M.O. 400.

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia, and Kew, and the results of soundings of the upper atmosphere by means of registering balloons

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PREFACE

From 1908 to 1921, the serial statistical publications of the Meteorological Office were grouped together as though they were parts of one comprehensive book. This book, which was entitled " The British Meteorological and Magnetic Year Book," consisted of :—

Part I	The Weekly Weather Report
Part II	The Monthly Weather Report
Part III, Section I	Daily Readings at Meteorological stations of the First and Second Orders
Section II	Geophysical Journal, Daily Values of Meteorological and Geophysical Elements
Part IV, Section I	Hourly Values from Autographic Records, Meteorological Section
Section II	Hourly Values from Autographic Records, Geophysical Section
Part V	Réseau Mondial

The data for the year 1922 and subsequent years are found in the following publications :—

New Publication from 1922.	Corresponding parts of the British Meteorological and Magnetic Year Book until the end of 1921
The Weekly Weather Report	.. Part I
The Monthly Weather Report	.. Part II
The Observatories' Year Book	.. Part III, Section II; Part IV, Section I *; Part IV, Section II
The Réseau Mondial	.. Part V

It will be noticed that Part III, Section I, of the old publication is not included in the new issues. This part contained " Daily Readings at Meteorological Stations of the First and Second Orders," and it has been decided that as the Observatories' Year Book contains daily values of the meteorological elements for the principal first order stations and the Daily Weather Report contains daily values for these and about 40 other stations, it is not necessary to revive the issue of this section, which ceased with the data for 1921.

The present volume is the fifteenth issue of the Observatories' Year Book. It contains geophysical data for Lerwick, Eskdalemuir, Valentia and Kew, meteorological data for Aberdeen, Eskdalemuir, Valentia and Kew, and in addition an aerological section giving the results of soundings of the upper atmosphere by means of registering balloons.

The table of mean annual values of magnetic data for observatories of the globe has been contributed by the Astronomer Royal. It will be found at the end of the Eskdalemuir section.

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*Part IV, Section I, Hourly Values from Autographic Records, Meteorological Section, was discontinued after the data for 1913 had been published. The hourly values for the years 1914 to 1921 are, however, available in manuscript

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ERRATA IN PREVIOUS VOLUMES

Hourly Values, 1917.
P. 52. Table XLV.—December 14th at 12 h. *For* 867 *read* 967.

Year Book, 1922.
P. 174. Table 237.—Figures in first line giving hours G.M.T. from 6 h. to 9 h. *For* 7, 9, 10, 8 *read* 6, 7, 8, 9.
P. 174. Table 238.—November 1st at 21 h. *For* 754 *read* 654.

Year Book, 1923.
P. 196. Table 247.—October 8th at 7 h. *For* 1132 *read* 1032.

Year Book, 1925.
P. 202. Table 254.—November 25th at 5 h. *For* 0153 *read* 1053.

Year Book, 1932. P. 176; 1933. P. 177; 1934. P. 178.

The factor $\frac{180 \times 60}{\pi}$ should be inverted in the first two equations on these pages; the misprint is confined to these items and no consequential errors are involved.

Year Book, 1933.
Eskdalemuir, Terrestrial Magnetic Force, Vertical Component.

After the data had been published it was discovered that there had been an accidental reversal of the chart for the period January 11 d. 10 h. 36 m. to 13 d. 10 h. 25 m.

The period was a very quiet one and only small errors in the hourly values are involved.

The only data appreciably affected are:—

(a) P. 272. Table 325.—The quiet day inequalities, which should read as follows:—

Jan. 0·0, −1·0, −0·9, −1·2, −1·6, −1·8, −1·7, −1·6, −1·6, −1·8, −1·3, −1·6, −1·0, +1·0, +2·9, +2·2, +1·8, +1·0, +1·1, +1·2, +1·6, +2·4, +1·1, +0·8.

(b) P. 247. Table 272. The following are the correct values:—

Date	Max. h.	Max. m.	V Max. γ	V Min. γ	Min. h.	Min. m.	Range	$\frac{HR_H + VR_V}{10000\gamma^2}$
11	14	35	917	910	8	38	7	69
12	15	14	915	910	7	45	5	52

The range on the 12th is the smallest of the month.

Year Book, 1934.
P. 59. Table 12.—Horizontal Force, heading for minimum. *For* 4000+ *read* 14000+.
Pp. 175 and 176. Last column. *For* 46,000+ *read* 44,000+.
P. 184. Line 4. *For* D 14° *read* D 13°.
P. 193. Table 171.—22 h. on 9th. Delete underlining.
P. 293. Table D.—Total. The following are the correct values:—

Valentia Observatory. Magnetic Data for the year 1934.

	γ		γ		γ		γ		γ
January ..	47474	April ..	47462	July ..	47446	October ..	47433	Year ..	47461
February ..	47492	May ..	47471	August ..	47453	November	47474		
March ..	47453	June ..	47465	September	47443	December	47470		

P. 357. Table A.—Heading. *For* °A *read* mD.
P. 357. Table B.—Heading. *For* mb. *read* °A.
P. 367. Last formula. *For* $f(u) = \left[\frac{2u}{1+u^2}\right]$ *read* $f(u) = \left[\frac{2u}{1+u^2}\right]^2$

Year Book, 1935.
P. 163. §5, line 6. *For* July *read* May.
P. 164. Table, column α 1 1911–20, December. *For* 87 *read* 97.
P. 165. §4, line 1. *For* wetter *read* drier.
P. 165. §4, line 2. *For* 6·6 *read* 2·8.
P. 165. §4, line 2. *For* greater *read* less.
P. 169. §3, line 3. *For* 22 *read* 2.
P. 462. Table 551, Ascent No. 1056, at 16 Kiloleos. *For* 116 *read* 106.

D VARIOMETER SCALE VALUE USED LERWICK FOR WHOLE YEAR
FOR 0·95'mm READ 0·97'mm (SEE ERRATA O.Y.B 1962).
D VARIOMETER SCALE VALUE USED AT ESKDALEMUIR FOR WHOLE YEAR
FOR 0·94'mm READ 0·97'mm
SEE ERRATA 1962 O.Y.B

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	Latitude	Longitude	G.M.T. of Local Mean Noon	Height above M.S.L.
	° ′	° ′	h m	metres
Lerwick, Shetland Isles	60 8 N.	1 11 W.	12 5	81·7
Aberdeen	57 10 N.	2 6 W.	12 8	24·1†
Eskdalemuir, Dumfries-shire	55 19 N.	3 12 W.	12 13	242·0
Valentia Observatory, Cahirciveen, Co. Kerry.	51 56 N.	10 15 W.	12 41	9·1
Kew Observatory, Richmond, Surrey ..	51 28 N.	0 19 W.	12 1	5·5

Note.—The height given is that of the site of the rain-gauge. The heights of other meteorological instruments are shown in the appropriate Tables.

† The site of the rain-gauge was altered on 1st June 1928 to a height of 11·4 metres and on 1st April 1933 to a height of 24·1 metres.

NORMAL VALUES AND MONTHLY SUMMARIES

Monthly and annual normals of pressure, dry bulb temperature, and rainfall for each hour of the day and for the period of 45 years, 1871–1915, are published for the observatories, Aberdeen, Valentia, Kew and Falmouth in *Hourly Values from Autographic Records*, 1917 (Part IV of the British Meteorological and Magnetic Year Book, 1917), and in previous volumes of that series. Corresponding normals of wind-speed and sunshine* are published there for the same observatories and for the period of 35 years, 1881–1915, while corresponding normals of relative humidity are also published there for the period of 30 years, 1886–1915. For Eskdalemuir the same publication gives hourly averages for the months and for the year, referred to the period 1911–1915.

It should be noted, however, that the normal hourly values in the case of wind, rainfall and sunshine refer to periods of 60 minutes centred at exact hours G.M.T., and are therefore not directly comparable with the values printed in this volume which refer to periods of 60 minutes ended at exact hours G.M.T.

Summaries giving additional mean values and frequencies of occurrence of various meteorological phenomena will be found for all the observatories in *The Monthly Weather Report* and its Annual Summary. The latter also contains special summaries of the tabulations of the anemographs.

Monthly normal values of maximum, minimum and mean temperature, rainfall and sunshine for the period 1881–1915 are published in the *Book of Normals, Section I*, for Aberdeen, Valentia, Kew and Falmouth. *Section IV* of the same publication gives information regarding the range of variation of temperature and rainfall at the same observatories, and monthly frequencies of the normal numbers of days of hail, thunder, snow, snow-lying and ground frost. *Section VI* of the *Book of Normals* gives tables and isopleth diagrams showing the normal diurnal and seasonal variation of relative humidity at all the observatories for which data of relative humidity are included in this volume.

Monthly average values of maximum, minimum and mean temperature for 1906–1935 in the cases of Aberdeen, Valentia and Kew, and for the period 1910–1935 in the case of Eskdalemuir are published in *Averages of Temperature for the British Isles.*

Averages of total monthly duration and daily mean duration of bright sunshine for similar periods are published in *Averages of Bright Sunshine for the British Isles.*

*The normals of hourly values of sunshine for Aberdeen for all months except February are incorrect, owing to an error in computation. The published values except February, should be increased by one-third

GENERAL INTRODUCTION TO THE METEOROLOGICAL TABLES

The elements dealt with in the following meteorological tables for the Observatories at Aberdeen, Eskdalemuir, Valentia and Kew are :—barometric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, minimum night temperature on the grass, temperature in the ground, cloud, visibility and weather, and in some cases solar radiation and level of underground water.

The positions of the Observatories and the heights of the sites are given on p.10.

Notes on the Instruments and Tabulation of the Records.

A detailed description of the barograph, thermograph, and Beckley rain-gauge used for obtaining the records of pressure, temperature, humidity, and rainfall is given in the *Reports* of the Meteorological Office for the years 1867 and 1869; for a description of other instruments in use reference may be made to the *Meteorological Observer's Handbook* and to the article on Meteorological Instruments in the *Dictionary of Applied Physics*, Vol. III. The following notes are supplementary and are given partly for reference and partly as containing information necessary for the interpretation of the tables.

Barometer.—The record of barometric pressure is obtained photographically from a mercurial barometer.

By means of a source of light, a condenser and an objective arranged as in the ordinary optical lantern, an image of the space above the mercury in the tube, reduced to very small width by means of a diaphragm, is projected upside down upon a sheet of photographic (" bromide ") paper carried upon a cylinder which is rotated by means of clockwork and makes one revolution about its vertical axis in rather more than 48 hours. The image is in the form of a vertical line of light, the upper edge of which is defined by the position of the mercury in the barometer tube, while the lower edge is defined by a plate actuated by a zinc rod. The purpose of the zinc rod is to provide an automatic compensation for temperature changes, the arrangement being such that any shortening of the line of light due to a rise of temperature and consequent expansion of mercury in the tube is balanced by an equal lengthening due to movement of the plate carried on the zinc rod.

The barogram is, therefore, a continuous photograph of a narrow illuminated vertical line and appears as a horizontal ribbon, the depth of which is constantly varying with the rise or fall of the mercury in the tube of the barometer.

A time-scale is recorded upon the barogram by means of a shutter actuated by the clock. This shutter cuts off the light for the space of four minutes every two hours, thus producing interruptions which appear on the record as narrow white spaces corresponding with intervals of four minutes centred at the half hours 1h 30m, 3h 30m, etc. Until 1918 these time-breaks occurred at the even hours, 2h, 4h, 6h, etc., but it was found that when the edge of the record was not critically sharp owing to various causes, a systematic error was introduced when measuring the records, whereby the values at the even hours were slightly in excess of those at the odd hours where no time-break existed. From 1918 onwards the clock was so arranged that the time-breaks should occur half an hour before the even hours; by this means both even and odd hour-values are measured at points on the trace which are unaffected by any systematic difference.

Control readings of a standard barometer are taken three times a day by different observers. The control readings are first corrected for index error, temperature and gravity, and then compared with the corresponding readings of the barogram. The differences between the control readings and the corresponding tabulated values

are then found and a correction derived therefrom is applied to all the tabulated values. This correction, known as the " residual correction," is so applied as to run smoothly throughout the whole length of each record—a period of 48 hours—and alterations in the amount of the correction occur, where necessary, in steps not exceeding 0·1 millibar.*

The scale value of the barograms is found from a comparison of a series of such standard and curve readings. The indications of a curve are converted into numerical values by measuring the ordinates with a tabulating instrument, graduated according to the ascertained scale value.

Thermometers.—The air temperature and humidity data at each Observatory are derived from records obtained photographically from two mercurial thermometers. One thermometer is used as a dry bulb and the other as a wet bulb thermometer.

Each thermometer has a large cylindrical bulb four inches long and a very long stem. The latter is bent twice at right angles to enable the bulb to be exposed outside the building in a louvred screen attached to the north wall of the Observatory.† The column of mercury in the vertical portion of the stem inside the building is broken at a convenient point by a small air space which moves up or down the stem with rise or fall of temperature. The record is obtained by passing a reflected beam of light through the air space and photographing its image upon a moving sheet of " bromide " paper in the same manner as described in the case of the barometer. A base line is traced on the paper by a pencil of light passing through a small aperture in the brass frame carrying the recording thermometer. The time-scale is automatically recorded upon the curves, a time-break occurring half an hour before each even hour.

Two large standard thermometers with very open scales graduated in degrees absolute and having bulbs similar to those of the thermograph are mounted in the screen side by side and close to the thermograph bulbs. One of the thermometers is arranged as a dry bulb, the other as a wet bulb. Control readings of these thermometers are made three times a day for comparison with the corresponding readings obtained from the thermograms.

The scale-value of the curves is found by a comparison of the readings of the standard thermometers, corrected for any errors they may have, with the corresponding measurements of the curves. The curves are measured by means of a plate of glass ruled with lines corresponding with the ascertained scale-value of the record, both for temperature and for time. The scale is graduated so as to read degrees vertically and hours horizontally.

Two alternative methods of reading the curves have been adopted.

(*a*) At Kew the scale is set by the base-line and after hourly readings have been obtained for the whole record comparisons are made with the control readings. The residual correction so determined (normally the same for the whole record of 48 hours) is applied to the tabulations.

(*b*) At Aberdeen, Eskdalemuir and Valentia, the practice is to adjust the glass scale so that the readings at the control hours on the trace are made to show general agreement with the corresponding eye-readings of the standard thermometers. The temperature equivalent of any part of the curve can then be read off. The base-line photographed on the record serves as a useful check.

---

* At Valentia and Kew the rule is to apply the same correction for the whole chart

† At Eskdalemuir the screen stands in the open

Rainfall.—This element is recorded by a Beckley self-registering rain-gauge, in which the rain as it falls is collected in a receiver supported on a float in a vessel of mercury. As the rain passes into the receiver, the float gradually sinks, carrying with it a pen which records its position upon a chart wrapped round a clock-driven cylinder. The displacement of the mercury by the float is arranged so as to give a uniform scale throughout. When five millimetres (two-tenths of an inch) of rain have entered the receiver a siphon comes into action, and, by discharging its contents, causes the float to rise till the pen is brought back to the zero line, from which the record begins again.

The collecting funnel of the Beckley rain-gauge has an area of approximately 100 square inches. Each gauge stands on level ground and its distance from every other object is greater than twice the height of the object. The height of the rim of the Beckley rain-gauge above the surface of the surrounding ground varies from 0·4 m. to 0·6 m. at the different observatories. Details are given at the head of the tables of hourly values. A check gauge with funnel 8 inches in diameter is installed near by.

The records obtained from the Beckley self-registering rain-gauge are, if necessary, subjected to a proportional correction whereby they are brought into agreement with the amount of rainfall as recorded by the check rain-gauge which is read twice daily at, 7h. and 18h.

Rate of Rainfall.—The instantaneous rate of rainfall is registered by means of the Jardi recorder a description of which is given in *British Rainfall* 1930, Part IV, p. 284. In this instrument, rainwater collected by a funnel, 1 metre in diameter, enters a chamber at the bottom of which is a hole through which passes a tapering spindle attached to a float. When water enters the chamber the float rises and thereby opens the hole in the bottom of the chamber to an extent which increases as the float rises, until a position is reached when the rate of outflow is equal to the rate of inflow. The equilibrium position of the float is therefore a measure of the rate of rainfall, and the record is obtained by recording the movements of the float on a suitably graduated chart.

Sunshine.—The record of sunshine is obtained from a Campbell-Stokes recorder in which instrument the sun's rays are focussed through a 4-inch spherical lens of crown glass upon a strip of blue card, which is scorched, or burned right through, according to the intensity of the sun's rays. Three different patterns of card are used at different seasons of the year. The cards are exposed in a metal bowl, and the focussed image of the sun leaves its mark behind it as it travels along the surface of the card with the apparent motion of the sun through the heavens. The intensity of the burn is not measured, but the record is regarded as that of " bright " sunshine whenever the card has been distinctly scorched. When measuring the duration of sunshine which is represented by intermittent burns, an allowance is made for the extension of the trace by the charring of the card.

Wind - Speed and Direction.—The hourly values of wind-speed and direction which appear in this volume are derived from the records of Dines Pressure Tube Anemometers, a description of which will be found in the *Meteorological Observers' Handbook*. In the case of Aberdeen, hourly values from the Dines Pressure Tube Anemometer on the Glebe site were included for the first time in the volume for 1935. A description and illustration of the instrument will be found in the Aberdeen Sectional Introduction to that volume. At Eskdalemuir records of Dines Pressure Tube Anemometers have always been used, but at the older observatories the data printed in volumes previous to that of 1926 were obtained from Robinson cup anemo-

graphs. At Kew a new Dines Pressure Tube Anemometer, erected on the dome in the position formerly occupied by the Robinson cup anemograph, but with its vane 3 metres higher than the original height of the cups, has been brought into use from January 1st, 1931. At Valentia Observatory a new Dines Pressure Tube Anemometer, with 1-inch connecting pipes, was brought into use as from January 1st, 1932. The new instrument was erected alongside the old instrument, and a comparison extending over the period May, 1931, to January, 1932, showed that the new instrument recorded higher velocities than the old. In hourly mean values the difference was nearly uniform and equal to 0·4 m/s or 1 mi/hr. In gust velocities the increase was approximately 12 per cent. of the velocity recorded by the old instrument. At Eskdalemuir a new Dines Pressure Tube Anemometer with 1-inch connecting pipes was brought into use as from 11th August, 1933. The diameter of the connecting pipes of the old instrument was ½ inch. Particulars of the exposure of the instruments at each Observatory will be found in the sectional introductions.

The relation between the values of wind speed recorded by the cup and pressure tube anemometers at the several observatories was briefly discussed in the General Introduction to the volume for 1926. The following table gives, for the various wind directions, the mean values of wind speed recorded by the pressure tube anemometers, expressed as percentages of the corresponding values recorded by the cup anemographs:—

Average values of the quantity 100 $\times$ $\frac{\textit{Speed by pressure tube anemometer}}{\textit{Speed by cup anemograph}}$

at the three observatories, arranged according to the direction of the wind.

North = 360°, East = 90°, South = 180°, West = 270°

Wind Direction in degrees from North	Aberdeen (to 1929)	Aberdeen 1935	Valentia (to 1931)	Kew 1926–30	Kew 1931	Wind Direction in degrees from North	Aberdeen (to 1929)	Aberdeen 1935	Valentia (to 1931)	Kew 1926–30	Kew 1931
10	131	110	103	99	114	190	138	120	137	96	107
20	132	110	103	100	113	200	132	120	134	99	107
30	130	110	104	103	114	210	124	110	128	99	104
40	117	90	103	103	110	220	115	105	115	100	104
50	115	90	104	104	109	230	108	110	102	100	104
60	115	85	105	99	103	240	110	110	90	100	103
70	119	80	105	99	102	250	112	110	88	101	106
80	113	85	104	97	99	260	114	130	85	101	107
90	110	65	102	101	103	270	128	120	82	101	108
100	126	65	98	104	106	280	124	110	81	103	111
110	121	85	97	102	103	290	110	100	83	101	111
120	118	95	98	100	102	300	99	90	88	96	108
130	118	100	100	104	105	310	100	100	92	93	103
140	125	105	103	102	105	320	108	105	95	96	107
150	128	120	107	98	102	330	111	110	97	99	115
160	137	130	114	92	99	340	120	110	98	98	116
170	133	130	123	92	103	350	138	100	99	103	119
180	135	135	134	95	106	360	135	100	102	104	122

Details in regard to the comparison of the new and old pressure tube anemometers at Kew will be found in the sectional introduction for the year 1931.

Minimum Night Temperature on the Grass.—This is the temperature determined by a minimum thermometer exposed freely over the surface of the grass. The stem of the thermometer is enclosed in an outer glass jacket, but the spirit bulb is freely exposed to the air. The thermometer is supported on two small Y-shaped pieces of wood so that it lies horizontally, with its bulb about one or two

inches above the ground, which is covered with short grass. When snow has fallen the thermometer is supported so as to lie just above the surface of the fallen snow, but not touching it.

The thermometer is laid out at 18h. each day, having been kept in an upright position, bulb downwards, inside the Stevenson Screen during the daytime, so that any spirit that may have condensed in the upper part of the stem may be able to run down and join the main spirit column.

Earth Temperature.—At each observatory the earth temperature is read daily at 9h at depths of 30 cm. and 122 cm. below the surface. For this purpose use is made of Symons' earth thermometers, in which the bulb is embedded in paraffin wax for the purpose of introducing sufficient "lag" to ensure that the reading will not change appreciably during the process of drawing up the thermometer in order to take the reading. The thermometers are supported at the correct depth in steel tubes sunk into the ground. At Aberdeen discontinuities have occurred on several occasions in recent years owing to changes of site. (See sectional introduction).

Notes on the Tables

General.—Interpolated values are printed within brackets, ( ). Maximum and minimum values are underlined.

Standard of Time.—The observations are referred to *Greenwich Mean Time* except as regards sunshine, for which element *local apparent time* is used.

Units.—In accordance with the practice introduced in 1911, as a consequence of certain resolutions of the Gassiot Committee of the Royal Society, the values in the tables are expressed throughout in units based upon the C.G.S. System: tables for conversion to other units are given in the *British Meteorological and Magnetic Year Book* (*Part IV*) for 1913 and are also to be found in the *Computer's Handbook.*

Daily Mean Values.—The daily means of pressure, temperature, and relative humidity are obtained by adding half the sum of the values for the initial and final midnights to the sum of the 23 intermediate hourly values and dividing by 24.

For wind speed the tabulated hourly values are means for periods of 60 minutes between the exact hours oh and 1h, 1h and 2h, etc.* The daily mean is therefore obtained by dividing the sum of the 24 hourly values by 24.

In the preparation of the tables of diurnal inequalities for individual months and for the year, it is assumed that the difference of value between the means for the initial and final midnights, which may be termed, so far as the hourly variations are concerned, the non-cyclic variation, is equally distributed over the whole 24-hour period.

A note on the computation of the correction for non-cyclic change will be found at the end of this Introduction.

Annual Values.—The mean values or totals for the whole year (given either in separate tables or at the end of the corresponding monthly tables), are computed as the means or sums of 365, in leap year 366, daily values.† The annual values of pressure at sea level are computed from the annual means at station level and the annual means of air temperature; the annual values of vapour pressure are derived from the annual means of air temperature and relative humidity.

Atmospheric Pressure.—All pressures recorded in this volume are expressed in *millibars*, one millibar being equal to 1000 dynes per square centimetre. The following are the values of physical constants used in evaluating the data :—

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* See Note, p. 19

† At Eskdalemuir the annual values for the years 1922 to 1926 were computed as the means or sums of 12 monthly values

Density of Mercury=13·5955 grams per cc. at 0°C.
Intensity of Gravity at Sea Level (Lat. 45°) =980·617 centimetres per second per second.
1 inch=25·4000 millimetres.

Hence a pressure of 1000 millibars corresponds with a reading of 750·076 millimetres on a mercury barometer at temperature 0°C. in Lat. 45° and is equivalent to 29·5306 inches under standard conditions of temperature (mercury at freezing point, scale at 62° F.) in Lat. 45°.

The true pressure in millibars can only be obtained from the reading of a barometer after the latter has been suitably corrected for (*a*) index error, (*b*) temperature, and (*c*) gravity. These corrections have been applied to the barometer readings in obtaining the pressure values published in this volume. The corrections for index error (including those for capillarity) are given in the certificates issued by the Kew Observatory or the National Physical Laboratory in respect of the standard barometers at each observatory. The corrections for temperature are equivalent to those published in the *International Meteorological Tables* (Gauthier-Villars, Paris, 1890). The correction for the variation of gravity from its standard value at sea level in latitude 45°, quoted above, is in accordance with the formula adopted in the *International Tables*, viz. :—

$$g_{z,\lambda}/g_{0,45^\circ} = (1-0{\cdot}00259\cos 2\lambda)\ (1-5z/4E)$$

where z =height of the station above M.S.L.
E =earth's radius, both expressed in the same units,
and λ =latitude of station.

Except at Eskdalemuir, the correction for the variation of gravity with height, contained in the second factor of the above equation, is insignificant.

Unless otherwise stated, all pressure values refer to the level of the observatory, as given in the headings of the tables. The reduction to sea level, wherever made, is effected by tables drawn up for each observatory in accordance with the following scheme :—

If p is pressure at station level, and P is pressure at sea level, the correction required to reduce p to sea level is $P-p$ where

$$\log_e (P/p)=\bar{g}z\ (1-3\ \bar{w}/8p)/K\bar{T}.$$

z=height of station in centimetres.
e=base of Napierian logarithms.
K=gas constant for dry air=$10^9/348{\cdot}4$ C.G.S. units.*
$\bar{T}$=mean absolute temperature of the air column between station level and mean sea level.
$\bar{w}$=mean value of water vapour pressure in the column.
$\bar{g}$=mean value of the acceleration of gravity in the air column. Even at Eskdalemuir, the highest station, the effect on the correction of the variation of gravity with height is, in this case, negligible, so that

$$g=980{\cdot}617\ (1-0{\cdot}00259\cos 2\lambda).$$

The factor $(1-3\ \bar{w}/8p)$ in the above formula is practically unity except at Eskdalemuir. Its value for that observatory was discussed in the Introduction to the Eskdalemuir section for the year 1928.

In the same way, the value of $\bar{T}$ at each observatory differs inappreciably from the value of air temperature at the observatory, except in the case of Eskdalemuir (*see* Introduction to Eskdalemuir section for details).

* This value depends on a coefficient of expansion of dry air of 1/273 and on the density of dry air at pressure 1013·23 mb. and temperature 273°A, viz., 1293·052 g/m^3

Hence at all observatories except Eskdalemuir, no corrections are applied for the effects of water vapour, or of change of air temperature in the column of air between the station and sea level.

The scheme for correcting barometer readings outlined above was introduced for Eskdalemuir at the beginning of 1927 and for the other observatories as from 1st January, 1928.

The tables contain values of pressure at exact hours obtained from the photographic barograms in the manner described on p. 11 ; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. Monthly and annual means of the hourly values after reduction to mean sea level are also given.

There is also a table showing the daily extremes of pressure, *i.e.*, the maximum and minimum values recorded during each day.

Temperature.—The scale on which temperatures are recorded is such that the freezing point of water under atmospheric pressure is 273°A precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale.

The scale approximates to the absolute scale defined by Lord Kelvin, on which the temperature of the freezing point is 273·1 to the nearest tenth of a degree.* Accordingly, to convert temperatures published in this volume to the Kelvin scale, a correction + 0·1 is to be added to each reading.

As an alternative to the application of this correction modified values may be used for the constants which enter certain formulæ. For example :—At temperature t on the scale adopted in the Year Book, the radiation according to Stefan's Law† is

$$5{\cdot}709 \times 10^{-5}\ (t+0{\cdot}1)^4 \text{erg/(cm.}^2\text{ sec.)}\ ;\ \text{or}\ 5{\cdot}717 \times 10^{-5} t^4 \text{erg/(cm.}^2\text{sec.)}$$

In using the modified formulæ we are virtually adopting a scale of temperature with the degrees greater than those of the Centigrade scale, in the ratio of 273·1 to 273. This is the practice of the *Computer's Handbook* of the Meteorological Office.

The tables give the values of temperature at exact hours obtained from the photographic thermograms ; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. There is also a table showing the daily extremes of temperature.

Humidity.—When the temperature of the wet bulb is above 273°A, values of relative humidity at exact hours are deduced from the corresponding values of dry and wet bulb temperatures obtained from tabulations of the photographic thermographs, complete saturation being taken as 100. Until the end of the year 1925 the reduction was effected from tables based on Glaisher's hygrometric factors,‡ but from 1st January, 1926, tables have been employed which proceed from Regnault's formula

$$x = f - Ap\,(t - t'),$$

where x = vapour pressure under the conditions of observation.
f = saturation vapour pressure at the temperature (t') of the wet bulb.
p = pressure of the air.
t = temperature of the dry bulb in absolute (Centigrade) degrees.
t' = temperature of the wet bulb in the same units.
A = a constant.

The tables used in this volume for determining the hourly values of relative humidity when the wet bulb is above the freezing point are *Jelineks Psychrometer-Tafeln* (6th edition, Leipzig, 1911).§

* A. L. Day and R. B. Sosman, *Dictionary of Applied Physics*. Macmillan, London, 1922. Vol. I, p. 840

† The constant 5·709 is the value which has been adopted by the International Research Council for publication in the "*International Critical Tables*"

‡ Glaisher's Hygrometical Tables, 7th edition, London, 1885

§ These tables give values which are in almost exact agreement with those given by *Hygrometric Tables* published by the Meteorological Office in 1924 (M.O. 265) for general use at second and third order stations. The latter tables are not suited to the purposes of this Year Book, because in them temperature is expressed in Fahrenheit degrees, whereas the absolute Centigrade scale of temperature is used at the observatories

No allowance for variation of pressure p is made and the standard value used in Jelinek's tables, *i.e.*, 755 mm. of mercury (1006·57 mb.), is adhered to. Similarly no allowance is made in the adopted value of the constant "A" for the speed of the air flowing past the wet bulb, though it is well known that "A" is not independent of the ventilation. "A" is regarded as fixed and equal to ·0008. In view of the well-marked diurnal variation of wind-speed, the diurnal variation of humidity, derived in this manner, is subject to slight modification.

When the wet bulb reading does not exceed 273°A, the above method of reduction is not followed, but values of relative humidity are derived from the record of the hair hygrograph. To these values are applied appropriate corrections based on a comparison between the readings of the record of that instrument and the corresponding values of humidity computed from dry and wet bulb readings during neighbouring periods when the wet bulb readings exceeded 273°A.

The mean values of vapour pressure are computed by slide rule from a table* of saturation vapour pressure over water, and the corresponding mean values of relative humidity and air temperature.

The normal hourly values of relative humidity for the period 1886–1915, published for certain Observatories in "Hourly Values from Autographic Records, 1917," were derived from tables based on Glaisher's factors. The application of the new tables to the normal hourly values of dry and wet-bulb temperature gives results for normal relative humidity which are only slightly different from those which have been published. At Kew Observatory in winter the difference is negligible; in July it does not exceed 1 per cent. at any hour, in October it does not exceed 2 per cent. at any hour. The effect is greatest in April, when the published normal values of average relative humidity are reduced by 3 per cent. at noon and at 16h. and by smaller amounts at other hours.

Of greater importance is the effect on the values of absolute minimum humidity. Under the old system, entries of relative humidity less than 30 per cent. seldom occurred; under the new system, such entries may occur not infrequently.

Tables are printed giving the values of relative humidity at exact hours together with daily, monthly and annual means of hourly values. Monthly and annual means of vapour pressure computed from the corresponding mean values of temperature and relative humidity, together with monthly and annual means of diurnal inequalities of relative humidity, are also given.

Rainfall.—Tables are given showing for the 60-minute intervals between exact hours† the amount of precipitation, expressed in millimetres, derived from the record of the Beckley gauge (see p. 13). Totals of amount are given for each day, and for each month; the latter totals referring both to the complete days of the month, and to each of the hours of the day. When zero rainfall is assigned to a particular hour, the entry appears as " ... ". Corresponding totals of durations of rainfall are also given, the duration being regarded as the number of hours during which rain falls at a rate of not less than 0·1 millimetre per hour. If slight precipitation, due to rain, snow, fog or dew, extends over some hours, and if the amounts collected in some or all of the hours are less than ·1 mm., the fact is indicated by a succession of entries, each of which is enclosed within brackets, covering the period over which precipitation is known or believed to have occurred. In such cases entries of (·1) are allocated evenly among the hours concerned in such a way that their sum is equal to the aggregate fall during the period, and the

* The saturation vapour pressures used are those employed in the preparation of *Hygrometric Tables*. They are equivalent to those published by Scheel and Heuse in *Annalen der Physik*, 1910

† For the years 1904 to 1920 it was the practice to tabulate rainfall for the periods of 60 minutes centred at the exact hours; the reversion to the method in use before 1904 occurred on 1st January, 1921

remaining entries are (...), (*), (≡) or (⌓) according as the precipitation took the form of rain, snow, fog or dew. Slight precipitation which takes other forms such as hail, sleet, hoar frost, glazed frost and rime is dealt with similarly. When it is impossible to determine the hourly amounts of precipitation, *e.g.*, during snowfall or on occasions when the record has failed, the normal procedure is to consider each case on its merits, and to assign hourly values derived from estimates made by the observers as soon as possible after the event. Such values are also enclosed in brackets.

Annual totals of hourly amounts and duration and notes on special features of the rainfall of the year are also given.

Maximum Rate of Rainfall.—The last column of the rainfall tables shows the maximum instantaneous rate of fall as registered by the Jardi recorder. When, owing to an instrumental defect, the value has been estimated from the Beckley record or otherwise, the reading is entered within brackets. When the maximum rate exceeded 5 mm./hr. the hour in which the maximum rate occurred is shown by a dagger (†) in the appropriate column of the table.

Sunshine.—Tables are given showing for each of the 60-minute intervals between exact hours* according to *local apparent time*, from sunrise to sunset, the duration of bright sunshine recorded by the Campbell-Stokes instrument. The sums and means of hourly amounts are also given. For each day is shown the total duration of bright sunshine, and also the percentage this represents of the " possible " duration for the day. The " possible " for each day is computed as the period of time beginning and ending at the instants when the centre of the sun is apparently on the horizon, due allowance being made for atmospheric refraction. Even on a clear day the sun, when at an altitude less than $2\frac{1}{2}^\circ$ to 3° above the horizon, fails to make a scorch on the card of the Campbell-Stokes recorder.

A distinction is made in the tables between (*a*) sunshine not possible, and (*b*) sunshine possible but none recorded. If, in any hour, sunshine is not possible, the symbol " — " is used ; if more than 3 minutes of " possible " sunshine falls in the 60-minute interval between exact hours according to local apparent time, and if no sunshine was recorded, the symbol " ... " is printed.

The values for the months and for the year of percentage of possible duration of sunshine are obtained by comparing the total recorded sunshine for the period with the total " possible " sunshine for the period.

Wind.—Tables are printed giving the hourly values of wind speed and direction, together with the mean speed for each day, each hour, and for the month and year. Values of speed are expressed in metres per second (1 metre per second=2·2369 miles per hour) : those of direction are given in degrees from true north. The values of direction and speed† are averages for periods of sixty minutes, between the exact hours of Greenwich Mean Time. They are obtained by estimation from the records with the aid of a transparent scale, with engraved graduations corresponding with the velocity, direction and time scales of the record.

When the record shows that the vane is sticking and is not responding to the variations of the wind the readings of both direction and velocity are regarded as untrustworthy and are not tabulated, the symbol "..." being entered instead. In such cases the velocity is usually less than 1 m/s and the symbol "..." is regarded

* Before 1st January, 1921, sunshine was tabulated for the periods of 60 minutes centred at exact hours

† Before 1st May, 1915, it was the practice to take the direction at the exact hour whilst wind speed referred to 60 minute intervals centred at exact hours. Thereafter until 1st January, 1932, both wind speed and direction were tabulated for periods of 60 minutes centred at the exact hours. At a meeting on 17th December, 1931, the Gassiot Committee resolved that hourly values of terrestrial magnetism, potential gradient and wind velocity and direction should be brought into accordance with the practice decided upon for Polar Year stations by the International Commission for the Polar Year 1932-1933, *viz.*, that hourly mean values should refer to periods of 60 minutes between exact hours of standard time. (See also Introduction to *Hourly Values from Autographic Records*, 1913, p. xv.)

as equivalent to 0·5 m/s for the purpose of evaluating the daily mean velocity. In other cases of lost record, estimated values are entered within brackets wherever possible.

The daily values of the speed and time of occurrence of the maximum gust and the monthly distribution of wind are shown in other tables.

Minimum Night Temperature on the Grass.—Values are given for each day of the year together with monthly and annual mean values. The interval to which the reading refers is from 18h the previous day to 7h on the day to which it is entered.

Diary of Cloud, Visibility and Weather.—In these tables are given particulars of the cloud forms observed daily at 7h, 13h, and 18h, the total cloud amount observed at 7h, 9h, 13h, 15h, 18h, and 21h, the range of visibility at each of these six hours and the kind of precipitation when any was falling at those hours. There is also a column devoted to remarks on the weather of the day.

Cloud Form.—The observations of cloud form are made in accordance with the International classification, and the following abbreviations are used in the tables:—

Cirrus	Ci.
Cirrocumulus	Cicu.
Cirrostratus	Cist.
Altocumulus	Acu.
Altostratus	Ast.
Stratocumulus	Stcu.
Stratus	St.
Nimbostratus	Nbst.
Cumulus	Cu.
Cumulonimbus	Cunb.
Fracto (prefix as in fractostratus)	Fr.
Cumuliformis (as in stratus cumuliformis) ...	Cuf.
Lenticularis (as in altocumulus lenticularis)...	Lent.
Mammatus (as in cumulus mammatus) ...	Mam.
Castellatus (as in altocumulus castellatus) ...	Cast.

All the cloud forms noted by the observer at the time of observation are printed where space permits. When the number of forms is too great to allow of this, the predominating forms selected at the time of observation to give the best representation of the cloud canopy are printed. If high or medium cloud can be seen, one of the selected types is normally a high or medium cloud.

Cloud Amount.—The figure given for the amount of cloud denotes the proportion of the sky covered by cloud, the numerical scale running from 0, cloudless, to 10, completely overcast. The figure denotes the total cloudiness irrespective of form. In the case of fog through which it is impossible to discern the sun or stars the cloud amount is entered as 10, but if cloud can be seen through the fog, the form and amount of that cloud are entered in the usual way. If the sun or stars are visible through fog and if there is no evidence of cloud above the fog the amount is entered as 0.

Visibility.—Observations of the range of horizontal visibility made every day at 7h, 9h, 13h, 15h, 18h, and 21h, are printed in the diaries of cloud and weather.

As described in detail in the *Meteorological Observer's Handbook*, a series of selected objects, A, B, C. . . , as nearly as possible at the standard distances given in the table which follows, is used for this observation. The objects are selected so as to be readily seen and identified from specified observing points in daylight, when the air is clear. A variation up to 10 per cent. from the standard distances is considered admissible. Particulars of the objects in use at each observatory, together with a statement of their actual distances and bearings from the point of observation and notes on local peculiarities which affect the observations, will be found in the Introductions to the sections for the individual observatories.

The method of observing consists in determining which is the most distant of the selected objects that can be identified and entering the corresponding letter. In cases of uncertainty when the observer, though recognising the presence of an object, would be unable to identify its nature from the observations he is able to make *at the time*, the letter corresponding with the next nearer object is entered. If object A, the nearest of the selected objects cannot be identified, an entry X is made. At night the letters are used to denote as nearly as possible corresponding degrees of atmospheric obscurity.

SCHEME FOR OBSERVATIONS OF RANGE OF VISIBILITY AND OF FOG, MIST AND HAZE

Indication Letter of Object.	Standard Distance of Object	Verbal Description	Beaufort Letters	
			Detailed Scale	Contracted Scale
	Metres.			
(X)	—	Dense fog	8 f	F
A	25		7 f	
B	50	Thick fog	6 f	
C	100		5 f	
D	200	Fog	4 f	f
E	500	Moderate fog	3 f	
F	1,000	Mist, haze or very poor visibility	m or z	m or z.
G	2,000	Poor visibility	m_o or z_o	m_o or z_o
H	4,000	Moderate visibility		
I	7,000			
J	10,000	Good visibility		
K	20,000	Very good visibility		
L	30,000			
M	50,000	Excellent visibility		

NOTE.—The grouping of the letters by the horizontal lines indicates the limits of the several figures of the International Telegraph Code for visibility, from 0 to 9, which grouping is also adopted in the tables of frequencies published in the *Monthly Weather Report*.

Small letters are used to indicate interpolations or extrapolations made in cases where it has not been possible to find suitable objects within 10 per cent. of the standard distances. In such cases the observer may use objects at other than the standard distances to guide his judgment. Particulars of such auxiliary objects will be found in the sectional introductions.

At Valentia, visibility is recorded in both landward and seaward directions. The observations of visibility landwards are printed in the main tables. Particulars of occasions when visibility seawards differed from visibility landwards are set out in the Introduction to the Valentia Section.

* Not used in this Year Book

Fog, Mist and Haze.—The table of standard distances of visibility objects also summarizes the descriptions used in connection with the phenomena of fog, mist and haze, and relates them to the scale of visibility. It also contains the Beaufort letters used for these phenomena in the Remarks column of the diary. In this Year Book as in other publications of the Meteorological Office, statistics of fog, mist and haze are based solely on visibility observations. The term *fog* is restricted to occasions when the visibility is less than 1 kilometre (*i.e.*, object F not visible); the terms *mist* and *haze* to occasions when the visibility is greater than 1 kilometre, but less than 2 kilometres (*i.e.*, object "F" visible, but "G" not visible). The distinction between mist (m) and haze (z) is determined by the depression of the wet bulb. When the visibility is between the limits specified for mist or haze, haze is recorded when the depression of the wet bulb is more than 1°F; if the depression of the wet bulb does not exceed this limit, the term *mist* is used.

In volumes previous to 1926, occasions of haze, mist and fog were indicated by the International symbols for these phenomena, viz., ∞, ≡ ° and ≡ respectively, but the relation of these terms to the visibility scale was less rigorous. In order to indicate that a change in procedure has occurred in this matter, the three International symbols for haze, mist and fog are no longer used.

Precipitation.—Whenever precipitation is falling at one of the six hours of observation there is printed in the Diary of Cloud and Weather under the heading "Precipitation" the International weather symbol which indicates the kind of precipitation, in accordance with the list below.

Remarks.—For the purposes of the column headed "Remarks on the Weather of the Day," it is usual to consider the day as divided into three portions, viz., morning, afternoon and night, denoted by *a*, *p*, *n*, respectively, but it should be noted that no arrangements are made for regular eye observation of weather changes in the period 21h 30m to 6h 30m.

The entries in the remarks column consist very largely of international weather symbols and the letters of the Beaufort scale. These symbols and letters are as follows:—

Beaufort Notation and International Weather Symbols

b		blue sky, whether with clear or hazy atmosphere.
c		cloudy, *i.e.*, detached opening clouds.
o		overcast, *i.e.*, the whole sky covered with one impervious cloud.
g		gloomy.
u		ugly, threatening.
v	0	visibility, abnormal transparency of atmosphere.
z		haze.*
m		mist, light fog.*
f		fog.*
fe		wet fog, *i.e.*, fog which deposits water copiously on exposed surfaces.
w	⌓	dew.
x	⊔	hoar frost.
	V	rime.
	⌒	glazed frost.
e		water deposited copiously on exposed surfaces, without rain falling.
y		dry air. (Relative humidity less than 60 per cent.)
p		passing showers.
d		drizzling rain.

r	●	rain.
	←	ice crystals in the air.
s	✱	snow.
rs	✱	sleet.
	✱	drift snow.
	▩	snow lying. (More than half the surrounding country covered with snow.)
h	▲	hail.
	△	soft hail.
t	⊤	thunder.
l	↯	lightning.
tlr	⊼	thunderstorm.
	⌟	gale.
q		squalls.
	⊙	solar corona.
	⊕	solar halo.
	⋓	lunar corona.
	⊙	lunar halo.
	⌒	rainbow.
	⋓	aurora.
	◥	zodiacal light.
	⋈	mirage.

* To indicate varying intensities of haze, mist and fog the notation shown in the last two columns of the table on p. 21 is used

The letter *i* preceding a letter or symbol which denotes some form of precipitation indicates that the precipitation is of an " intermittent " or " occasional " character.

The letter *j* preceding a letter or symbol which denotes some form of precipitation indicates that the precipitation is within sight, though not actually falling at the station.

The figure o written after and above a symbol indicates slight, whilst the figure 2 indicates strong or heavy; thus $\bullet^0$ slight rain, $\bullet^2$ heavy rain. The figures o and 2 written after and below the letters of the Beaufort notation are also used with a similar significance, thus d_0 stands for slight drizzle.

The letters b, c, o, g and u, are used to describe the general appearance of the sky. The use of the letters g and u is sufficiently clear from the definitions given above. o is used whenever the sky is completely overcast with a uniform layer of thick or heavy cloud; c is used to denote that there is some cloud present, but o is not appropriate; b denotes that there is some blue sky.*

In order to meet difficulties which occur when there are only small quantities of cloud or blue sky present, c is not used unless the sky is more than a quarter covered, and b unless there is more than a quarter of the sky free from cloud. If there is more than a quarter of the sky covered with cloud and more than a quarter of the sky free from cloud b and c are both recorded.

Up to 1931 the gale symbol ⌐ was used in this publication to indicate that the wind as recorded by the anemometer averaged at least 17·2 *m/s* for one or more " centred " hours. At Kew Observatory the symbol has been used with the word gust in brackets to indicate the occurrence of gusts reaching 17·2 *m/s*.

The symbol is now used to indicate occasions when the mean velocity reached or exceeded the lower limit corresponding to Beaufort Force 8 at any time in the 24 hours of the civil day. The lower limit of velocity is dependent upon the "effective height" of the anenometer (see *Meteorological Magazine* **67**, 1933, p. 278). The allotted values at the several observatories are:—

Aberdeen	Eskdalemuir	Valentia	Kew
17·2	17·2	17·2	18·8 m/s.

Note on the Computation of the mean for the day, diurnal inequalities and the non-cyclic correction

In this publication hourly tabulations are of two types (*a*) instantaneous readings at exact hours G.M.T. (*b*) means for periods of 60 minutes beginning and ending at exact hours G.M.T. Let x_n denote the value at hour n G.M.T. and let $[x]_n$ denote the mean for 60 minutes ending at hour n. The main tables of hourly values contain entries ranging from $n=1$ to $n=24$ for either type of tabulations.

The mean for the day is clearly represented exactly by

$$[x]_D = \tfrac{1}{24}\{[x]_1 + [x]_2 + \ldots + [x]_{24}\}$$

or, in other words, for (*b*) type tabulations the daily mean is the simple average of the 24 hourly values. In the case of (*a*) type tabulations we arrive at the daily mean by writing, as an approximation,

$$[x]_n = \tfrac{1}{2}\{x_{n-1} + x_n\}$$

Substituting in the above formula we obtain

$$[x]_D = \tfrac{1}{24}\{\tfrac{1}{2}(x_0 + x_{24}) + x_1 + x_2 + \ldots + x_{23}\}$$

* The present usage with regard to b, c and o dates from 1st Jan., 1926

The diurnal inequality is derived from monthly or group means of hourly values by subtracting the mean for the whole day from the mean hourly values; thus the diurnal inequality at hour n may be represented by

$$\delta x_n = \bar{x}_n - [\bar{x}]_D$$

In the case of (*b*) type tabulations the sum of the 24 diurnal inequalities is clearly equal to zero. For (*a*) type tabulations the sum of the 24 diurnal inequalities from $n = 1$ to $n = 24$ is $\frac{1}{2}(\bar{x}_{24} - \bar{x}_0)$ and this is not, in general, equal to zero.

The non-cyclic change is defined as the average increase of the variable from one midnight to the next, and is therefore equal to $\bar{x}_{24} - \bar{x}_0$. For (*b*) type tabulations the value of the non-cyclic change is not derivable directly from the tabulations, and it is necessary to estimate its value from readings in the form $[\bar{x}]_n$.

The estimate is obtained by means of the approximations

$$\bar{x}_{24} = \tfrac{1}{2}\{[\bar{x}]_{24} + [\bar{x}]_{25}\} \text{ and } \bar{x}_0 = \tfrac{1}{2}\{[\bar{x}]_0 + [\bar{x}]_1\}$$

$[\bar{x}]_{25}$ being the mean value for the hour following the second midnight.

The correction for the non-cyclic change is applied by assuming that the non-cyclic change is the result of a linear rise or fall; the correction applicable at hour n is therefore

$$\frac{12 - n}{24}\left\{\bar{x}_{24} - \bar{x}_0\right\}$$

It will be seen that the application of the correction brings the value of $\bar{x}_{24}$ into equality with $\bar{x}_0$; consequently the sum of the corrected diurnal inequalities for (*a*) type tabulations now becomes equal to zero.

For (*b*) type tabulations we assume that the correction appropriate to the inequality for the hour ending n h G.M.T. is the value corresponding to $n - \frac{1}{2}$ in the above formula,

$$i.e., \quad \frac{25 - 2n}{48} \times \text{(the non-cyclic change)}$$

$$\text{or} \quad \frac{25 - 2n}{48}\left\{\frac{[\bar{x}]_{24} + [\bar{x}]_{25}}{2} - \frac{[\bar{x}]_0 + [\bar{x}]_1}{2}\right\}$$

$$i.e. \quad \frac{25 - 2n}{96}\left\{[\bar{x}]_{24} + [\bar{x}]_{25} - [\bar{x}]_0 - [\bar{x}]_1\right\}$$

In the volume for 1935 and in preceding volumes, all published values of diurnal inequalities and values of mean range and average departure derived from them were corrected for non-cyclic change. Following a resolution of the Commission for Terrestrial Magnetism and Atmospheric Electricity approved by the Conference of Directors at Warsaw in 1935, it has been decided as from 1st January, 1936, to print values of diurnal inequalities for magnetic elements *uncorrected* for non-cyclic change.

Attention is also drawn to the fact that in this volume the derived values of mean daily range and average departure from the mean, as well as the vector diagram printed in Sectional Introductions, are based on diurnal inequalities uncorrected for non-cyclic change. The practice in respect to meteorological and geophysical elements other than terrestrial magnetism remains unchanged.

M.O. 400.
(Lerwick)

Air Ministry
METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia, and Kew, and the results of soundings of the upper atmosphere by means of registering balloons.

LERWICK

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1938

LERWICK OBSERVATORY

Latitude	60° 8′ N.
Longitude	1° 11′ W.
G.M.T. of Local Mean Noon	12h. 5m.
Height of Site above Sea-level	From 80·5 metres to 90·0 metres

INTRODUCTION

GENERAL REMARKS.

In 1919 the establishment of an observatory in the Shetlands was included in the programme of the Meteorological Office. A wireless station, built in 1913 by the Admiralty and transferred after the war to the Post Office, but used by that Department only in case of emergency, offered suitable accommodation in the way of offices and living quarters. It proved possible to make an arrangement under which the Air Ministry has the use of the station as an observatory.

The Observatory was opened on the 7th June, 1921, when the first instalment of the instrumental equipment arrived. Later on in the same year the construction of a magnetograph house and of huts for absolute magnetic and auroral observations was commenced. The magnetograph house is a heavy concrete structure with walls 2 feet 6 inches (76 cm.) thick, of internal dimensions 16 feet by 10 feet (4·9 m. x 3 m.), and after construction several months had to elapse before the thick concrete walls and roof could be thoroughly dried and the recording instruments placed in position. These instruments, which are described below, consist of magnetographs recording magnetic declination and horizontal and vertical force. More recently subsidiary magnetographs recording the same elements have been installed in one of the adjacent non-magnetic huts; the records obtained therefrom are used to cover lacunæ in the standard traces or for special investigations.

Other instruments installed at the Observatory included barometers, barograph, hygrograph, psychrometers, nephoscope, rain-gauges (ordinary and self-recording), sunshine recorder and Dines Pressure Tube Anemometer and, later, an electrograph; and in 1928 a Krogness auroral camera. But meteorological observations have been restricted, and the time of the somewhat limited staff available has been devoted chiefly to magnetic work, to some work in atmospheric electricity, and to auroral observations.

The site and the work in Atmospheric Electricity and Terrestrial Magnetism will now be described.

SITE

The Observatory is situated on a ridge of high ground about a mile and a half (2·4 km.) to the south-west of Lerwick and adjoins the main road between Lerwick and Scalloway. The site slopes upwards from west-north-west to east-south-east, the average height above M.S.L. being about 280 feet (85 metres). The ground to the east and south-east rises slightly for about ¼ mile (·4 km.) then slopes sharply down to the sea. In other directions there is a downward slope for about ¼ mile extending to the Loch of Trebister on the south-west, Sandy Loch to north-west, and to the Burn of Sound to north-north-west; beyond these and distant about ¾ mile (1·2 km.) from the Observatory are small hills - Munger Hill to the south is about 320 feet (97 metres) above M.S.L., Shurton Hill to west-north-west rises to 576 feet (176 metres), and Stany Hill to the north to about 400 feet (122 metres). In clear weather it is possible to see the Outer Skerries, 25½ miles (41 km.) north-east by north, and Sumburgh Head, 20 miles (32 km.) south by west; the horizon in other directions is limited to a few miles.

The average depth of soil in the vicinity is about a foot, and outcrops of sandstone occur in many places. The surrounding country is barren and desolate, the vegetation being chiefly coarse grass, stunted heather and moss, with occasional patches of bare black peat. The Observatory ground is of a very uneven nature and owing to lack of proper drainage is frequently waterlogged. Views of the station, a map of the surrounding country and the arrangement of buildings and situation of instruments are set out in the Observatories' Year Book, 1935.

ATMOSPHERIC ELECTRICITY

Notes on the Instruments:- The records of potential gradient are obtained from a Benndorf electrograph (No. 108, by L.Castagna, Vienna) which since 1926 has been installed in the west corner of the Office Block.

Though there is distortion of the equipotential surfaces by adjacent houses etc., and though the site is a comparatively large distance (236 metres) away from the ground where absolute determinations are made, yet the values of the reduction factor suggest that these disadvantages are less serious than might be anticipated.

The collectors are of polonium deposited on a copper rod, about 4 cm. long by 0·5 cm. diameter; these are recoated periodically by arrangement with the Government Chemist, and a fresh collector is brought into use on the first day of each quarter. The collector is screwed into the end of a tube which projects about 120 cm. through a window in the north-west wall, at 190 cm. from the corner of the building and 476 cm. above ground. The inner end of the tube passes through a hole in a wooden box in which it is supported horizontally by two metal rods embedded in sulphur. A number of small 2-volt electric bulbs are kept burning inside the box in order to improve the insulation of the supports for the collector rod during wet weather, and a similar bulb is placed inside the case of the electrometer. The rod is connected to the base of the acid pot of the Benndorf electrometer by a fine wire. A

detailed description of this instrument is to be found in "Phys.Zeit." 7 (1906), p. 98, whilst the general principle is described in Mathias' "Traité d'Electricité Atmosphérique et Tellurique," p. 54, and in Chauveau's "Electricité Atmosphérique," pp. 61-64.

The record consists of a series of dots made once a minute on a long roll of paper as it is unwound from a drum by clockwork, exact hours being indicated by dots near the edge of the sheet. Timing is taken from electric clock No. 1,031, governed by the Observatory standard, Shelton No.35. The needle of the electrometer is earthed at least once daily, and a zero line is obtained by connecting up these earth marks; owing to the constancy of the perpendicular distances between the zero line and the line through the hour marks, further intermediate positions of the zero are easily obtained. The scale value has been about 24 volts per millimetre, which permits a range from + 1550 to - 1550 volts per metre in the open to be recorded.

Combined tests of the insulation of the system and scale value of the record are made daily, the procedure being to remove the collector and to charge the needle, which is connected to a Wulf electrometer. The rate of leak is obtained for a period of 4 minutes with a positive charge and for the same interval with a negative charge. Considering the climatic difficulties the behaviour of the instrument in the matter of insulation has been very satisfactory. The rate of leak has been in general small, the average during 1936 being such that the instrument would lose half its potential in 43 minutes. It has been found that the scale value remains reasonably steady and may, for all practical purposes, be taken as constant across the full width of the sheet. The factor by which the recorded potential must be multiplied for conversion into potential gradient in the open is obtained from absolute measurements above a levelled piece of ground near the old site of the electrograph. An insulated wire, stretched horizontally between two stout wooden posts about 9m. apart, carries at its centre a burning fuse exactly 1 metre above the ground. A Wulf electrometer, usually No. 5225 (Gunther & Tegetmeyer, Brunswick), is connected to one end of the wire and twenty to thirty readings are obtained from the electrometer at half-minute intervals. The reduction factor is deduced from the mean of these values and the corresponding mean potential at the collector as recorded by the Benndorf electrograph. Smoothed monthly means of the factors so obtained are employed in reduction of the records. The calibration of the Wulf Electrometers is checked periodically, using a Gambrell potentiometer and standard cells. There was no change in any essential part of the apparatus or in the observational technique throughout the year 1936.

Monthly scale values and exposure factors, together with data relating to rate of leak, are shown in the following table:-

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Mean value of $-\frac{d}{dt}\log_e V$	·017	·014	·013	·014	·014	·017	·017	·018	·019	·017	·016	·018	·016
No. of days used in mean	14	14	19	20	21	20	18	23	18	20	19	19	225
Highest - $\frac{d}{dt}\log_e V$	·021	·017	·017	·017	·023	·024	·033	·023	·021	·026	·023	·025	-
Lowest - $\frac{d}{dt}\log_e V$	·014	·010	·006	·009	·007	·013	·011	·013	·015	·009	·010	·011	-
Scale Value (v/mm.)	24·2	24·0	24·0	24·2	24·2	24·4	24·5	24·1	24·0	24·2	24·2	24·2	24·2
Mean Exposure Factor	1·25	1·30	1·29	1·29	1·29	1·30	1·29	1·32	1·23	1·24	1·28	1·28	1·28
Applied Exposure Factor	1·27	1·29	1·29	1·29	1·29	1·29	1·30	1·29	1·25	1·25	1·27	1·28	1·28
No.of determinations of Exposure Factor	4	4	7	6	9	9	6	7	9	5	5	3	74

Tests of the rate of rise of potential of the Benndorf recorder with a polonium collector were made in September, 1930, and it was found that the potential rose from zero to half the final value in about 4 seconds. Sometimes when there is no wind the rate of rise of potential is very much slower and apparently nearly linear. If the instrument rises through a potential V and has a capacity C* a quantity of electricity CV has to be given to the air in the neighbourhood of the collector, and in the absence of wind and the presence of fog this may hang about in the form of a heavily charged cloud for a considerable time before being dispersed. Fortunately these conditions are rare at Lerwick except in early summer.

If we assume the leaking and the charging to be exponential, i.e., -

$$\text{If } \frac{dV}{dt} = -K_1 V$$

$$\text{and } \frac{d(V_o - V)}{dt} = K_c (V_o - V)$$

where K_1 measures the rate of leak,
K_c " " charging,
and V_o is the potential of the air near the collector,

then the potential finally acquired by the instrument is $V_o K_c/(K_1 + K_c)$.

The ratio K_1/K_c is only about 1/600 so that there is no appreciable error in the readings from this cause.

* The capacity was measured in October, 1930, and found to be approximately 75 cm.

In the mean for the years 1927-33 the exposure factor shows a maximum of 1·33 in June and a minimum of 1·25 in January with secondary maximum of 1·32 in September and secondary minimum of 1·28 in August. In individual years however the variations are somewhat irregular. The vegetation in the vicinity of the site for the absolute observations changes very slightly throughout the year and the grass on the site itself is kept short. A larger contribution to the variations of the factor is probably made by a combination of effects due to pecularities of the electrograph site and wind direction. In this connection the following table shows the mean values of the exposure factor for 1927-33 summarized according to wind direction:-

	Calm	N	NE	E	SE	S	SW	W	NW	1927-33
Mean Factor	1·32	1·31	1·31	1·26	1·26	1·33	1·31	1·30	1·27	1·30

Relatively high values of the factor are on the average associated with winds from north and north-east, south and south-west and with calms. The courtyard is open at the north-east and south-west sides and the electrograph is situated near the open south-west side. The exposure in other directions is obstructed by buildings, and the depression of the factor probably results from the higher potential of the collector when shielded from the wind.

On 28th June, 4th July, and 12th September, 1928, measurements were made of potential gradient above fairly smooth ground near sea level. The determinations on the two earlier dates were taken at the Point of Trebister, 2¼ km. south-south-east of the Observatory, those on the third near the Sands of Sound, 1 km. to the east. In all, ten series of observations were obtained. The mean electrograph exposure factor computed therefrom works out at 1·36, a value in close agreement with the standard determinations.

IDENTIFICATION NUMBERS OF INSTRUMENTS USED IN 1936

Benndorf electrograph (L. Castagna, Vienna) 108
Wulf bifilar electrometer (Günther & Tegetmeyer, Brunswick) 5225
" " " " " 2965

Review of Results.- Days when there was a complete trace have been classified as follows by means of an electric character figure:-

0, denotes a day during which, from midnight to midnight, no negative potential was recorded.

1, denotes a day with excursions to the negative not amounting in the aggregate to more than three hours.

2, denotes a day with negative potential amounting in the aggregate to more than three hours.

a, denotes that the range of potential gradient in the open did not exceed 1,000 volts in any of 24 hourly periods of the day.

b, denotes that this range was exceeded in at least one, but in fewer than six, of these periods.

c, denotes that this range was exceeded in six or more of the hourly periods.

The character figures so assigned are given in Table 4.

In the Observatories' Year Book for 1928, for the first time, this table contained also details of the duration of negative potential for each day for which an estimate could reasonably be made. If the record failed when no precipitation fell it was assumed that the potential gradient remained positive; if, however, precipitation fell when part of the record was lacking no estimate was made except when the part of missing record was small enough and the conditions of precipitation sufficiently continuous to permit the interpolation of the gradient conditions from those obtaining before and after the break.

In the year 1936 there were 139·8 hours less negative potential gradient than in 1935, and four more days on which negative gradients occurred. The daily mean duration of negative gradient was thus 0·82 hours, against 1·80 for 1935, 1·66 for 1934, 1·32 for 1933, 1·53 for 1932, 1·52 for 1931, 1·55 for 1930, 1·55 for 1929 and 1·63 for 1928. In each year the month-to-month variations of mean duration of negative gradient and of mean electric character figure show a close relationship to the variations in rainfall.

Curves are read by use of a mean value glass scale graduated in millimetres, the tabulated values being 60 minute means between exact hours G.M.T. The ordinates are converted into volts per metre in the open by multiplying by the product of the appropriate scale value and reduction factor. Values are assigned for the hours ending at 3h, 9h, 15h and 21h, on all days, and for each hour on "a" days.

An indication of the characteristics of indeterminate potentials may be obtained from the tabulations, in which:-

1. Values prefixed by the symbols > , <, indicate that for one or more periods during the hour potential passed beyond the range recorded by the electrograph.

2. z is marked against hours when the potential passed beyond the recorded range in both directions.

The values for the hours ending at 3h, 9h, 15h, and 21h, are given in Table 1; estimated values, enclosed within brackets, are given in cases where the record was in some manner defective; a dash is entered against hours for which no value can be given with any degree of assurance. Two sets of mean values are given:- "a" the means of all positive values; hours when the trace passed off the top of the sheet are included in obtaining these means, the upper limit of registration being taken as the value for the period not recorded; "b" the means for all days on which all four hours were completely recorded or could be estimated.

In all months except June the general "a" mean from the four selected hours exceeds the "b" mean, the difference over the year as a whole amounting to 19 v/m. In ten months the means from the 0a days are greater than the "a" means; over the year as a whole the 0a day mean is 10 v/m greater than the "a" mean. The

annual mean daily values derived in these three ways for the ten years 1927-1936 during which the electrograph has been in the same position are:-

	Oa	"a"	"b"
1927	213 v/m	179 v/m	160 v/m
1928	166 v/m	156 v/m	134 v/m
1929	162 v/m	161 v/m	133 v/m
1930	181 v/m	175 v/m	158 v/m
1931	161 v/m	163 v/m	147 v/m
1932	159 v/m	159 v/m	141 v/m
1933	168 v/m	170 v/m	152 v/m
1934	188 v/m	182 v/m	159 v/m
1935	165 v/m	165 v/m	142 v/m
1936	171 v/m	161 v/m	142 v/m

It is a defect of the Benndorf recorder that even with such a high scale value as 24 v/mm the width of the sheet is frequently exceeded during oscillatory movements. In 1936 there were 84 days on which the electrometer needle went beyond the limits of registration on the positive side and 120 on the negative side; these occasions were mainly when precipitation was falling on the collector. The greatest number of extreme positive excursions were associated with snow or sleet showers and were almost invariably only momentary.

The following are the occasions of potential gradients(positive and negative) exceeding 1000 v/m persistent over periods of at least one hour, a specified hour defining the 60 minute interval ended at the exact hour G.M.T:-

Positive. Feb. 2d 15-16h.

Negative. Jan. 9d, 2h-3h; Mar. 8d 1h-2h; July 15d 6h-7h, 21h-22h.

Occasions when the potential gradient was negative for prolonged periods with perhaps only a few temporary changes to positive were noted as follows:-

(1) January 1d 03h 36m to 10h 15m. Potential negative for all but 2 mins. of this period. Mean gradient - 510v/m. Continuous slight rain.

(2) January 26d 11h 54m to 19h 04m. Potential negative for whole period. Mean Gradient < -672 v/m. Continuous moderate rain.

(3) March 7d 21h to 8d 03h 21m. Potential negative for all but 4 mins. Mean Gradient < -1184 v/m. Continuous moderate rain.

(4) July 30d 21h 54m to 31d 04h 55m. Potential negative for all but 1 min. Mean Gradient < -491 v/m. Continuous moderate rain.

(5) August 3d 01h 45m to 16h. Potential negative except for 2 periods totalling 44 mins. Mean gradient < -563 v/m. Continuous moderate to heavy rain.

(6) September 26d 09h 45m to 20h 33m. Potential negative for all but 2 mins. Mean gradient < -438 v/m. Continuous moderate rain.

c

(7) November 28d 18h 30m to 29d 03h 15m. Potential negative for whole period. Mean Gradient -442 v/m. Continuous moderate rain.

Notable spells of high potential were:-

(1)	March 21d 11h to 22d 21h.	Mean gradient	445 v/m.	Slight mist.
(2)	June 17d 10h to 18d 8h.	" "	365 v/m.	" "
(3)	June 19d 11h to 20d 08h.	" "	614 v/m.	Mist and fog.
(4)	August 14d 20h to 16d 15h.	" "	488 v/m.	Intermittent moderate fog.
(5)	September 13d 08h to 22h.	" "	474 v/m.	Thick fog.
(6)	" 15d 19h to 16d 07h.	" "	435 v/m.	" "
(7)	" 16d 15h to 23h.	" "	507 v/m.	" "

There were 60 days on which there occurred apparent changes of potential gradient from the limit of the sheet on the positive side to the limit on the negative side, at least once within an interval of 60 minutes. If these changes were real and not due to charges given to the collector rod by precipitation, they connote a range exceeding 3100 v/m within an hour. Assuming that in Shetland the charge associated with rain may occasionally attain 10 E.S.U. per cc., it has been found that the gradient recorded may contain a contribution of not less than 50 volts arising from the charge given by the rain. In some of the hours the extreme reversal occurred at least twice within the period.

The diurnal inequalities for 0a days for the months, seasons, and year, are given in Table 2, together with mean values of the potential gradient and particulars of the non-cyclic change and the number of days used; the inequalities and other entries for the seasons and year are the means of the corresponding entries for the appropriate months. Similar data for the 1a and 2a days together are given in Table 3.

The annual mean diurnal variation for 0a days during 1936 has a minimum at 4h and a maximum at 19-20h. The 12-hour component is not well marked, though it is clearly seen in the inequalities for equinoxial and summer months. The range is largest and the maximum occurs earliest in winter, the smallest range being in summer.

The inequalities for 1a and 2a days are similar in shape to those for 0a days, and of about the same range, but in the mean for the year the 12-hour variation is more clearly developed, owing to the augmentation of the morning maximum in summer.

TERRESTRIAL MAGNETISM

Notes on the Instruments

Up to April 20th, 1934, the standard records of declination (D) and horizontal force (H) were obtained from the Munro magnetographs, which were in use at Falmouth until 1912, and those of vertical force (V) from the Watson quartz fibre instrument, which at the end of 1929 had replaced a Munro variometer.

Early in 1934 a complete magnetograph set of the la Cour type was received. This set had been used by the British Polar Year Expedition at Fort Rae, Canada, during 1932-33. It was installed in the magnetograph house and was adopted as the standard on April 20th, 1934, the former standard set becoming the auxiliary.

The La Cour set consists of H, D and V variometers. The H and D magnets are about 1 cm. in length, and each is supported by a single quartz fibre. A description of the H variometer is given in Publikationer fra det Danske Meteorologiske Institut, Communications Magnétiques, No. 11 (le Variomètre de Copenhague). The V magnet is larger; it is supported by knife edges resting on agates, and is enclosed in a sealed vessel. A description of this instrument is given in Pub. fra det Danske Met. Inst., Communications Magnétiques, No. 8 (la Balance de Godhavn).

The recording apparatus is so designed that the three elements are recorded on one sheet of photographic paper, with a single electric lamp as source of light. Time marks are made by a second lamp, the circuit of which is closed by a clock for about 10 seconds every five minutes. The width of paper is 10 cm. for each element, but the effective width is increased by a number of small prisms which reflect light from the lamp into the variometers, producing a series of light-spots at intervals of slightly less than 10 cm.

Scale values of H and V are measured by passing a current through Helmholtz-Gaugain coils placed over the variometers, the resulting deflexions being recorded on the photographic paper. The current is measured by a small milli-ammeter (Weston, No. 55896), which is periodically calibrated. It is thought that the scale values adopted are accurate within 1%; these were about 4·2 γ/mm for H and 5·5 γ/mm for V. The scale value of D depends only on the geometry of the system, with a small correction for torsion, and is 0·95/mm.

The H and V variometers are capable of accurate compensation for temperature. The temperature coefficient of the V record was zero throughout the year. The H record had a small temperature coefficient, for which allowance was made in the base line values, up to July 4th, after which the coefficient was zero.

In July 1935 a la Cour quick-run magnetograph set was installed; this also had been used by the British Polar Year Expedition. The variometers are similar to those of the standard set, but the time-scale is twelve times as great.

The standard records of declination, horizontal force and vertical force have been tabulated hour by hour. The values are read off by means of graduated glass scales, a value being the mean for 60 minutes between exact hours G.M.T.

Base values for the records are obtained from the results of absolute observations, the determinations of horizontal force being made twice, those of declination and dip six times, in each week. Horizontal force and declination are determined with the unifilar magnetometer on the centre pillar (No.2) of the absolute hut, the azimuth of the fixed mark being taken as $8^{\circ}\ 43'\ 2''$ east of south. In the deflection experiment three distances, 25, 30 and 35 cm., are used for obtaining the distribution coefficients, the horizontal force being computed from the deflection at 25 cm. only.

Mean annual values of the P and Q correction have been derived from observations during the period March 1923 to the end of 1936.

The values during these years are as follows:-

Year	P	Q	$\log_{10}(1 + P/25^2 + Q/25^4)$
1923 (March-December)	-2·40	-30	$\bar{1}$·99830
1924	-1·24	-481	99860
1925	-1·17	-892	99820
1926	+1·23	-1727	99893
1927	+2·23	-2200	99910
1928	+0·22	-1412	99858
1929	-0·54	-969	99855
1930	-1·21	-853	99821
1931	-1·04	-911	99826
1932	+1·37	-1866	99887
1933	-0·12	-1098	99869
1934	+2·98	-2397	99940
1935	+0·67	-1490	99881
1936	-1·49	- 650	99824

The mean value of $\log_{10}(1 + P/25^2 + Q/25^4)$ employed in the reduction of all observations for 1936 was the mean of the values derived up to the end of 1935, namely, $\bar{1}$·99865. If the 1936 value is added, the mean for the total available period becomes $\bar{1}$·99862. The adoption of this latter value would reduce all the hourly values, monthly means, etc., as given in the tables by 0·5γ in the case of H and 1·5γ in the case of V.

In April 1935, with the kind permission of the Astronomer Royal, the earth inductor which had been in use at Fort Rae during the Polar Year was borrowed again from the Royal Observatory, Greenwich and sent to Lerwick. This instrument, with the recommended correction of +11" added to the observed dip, was the standard in deriving base line values of V during 1935 and 1936.

As stated in the general remarks, the walls of the magnetograph chamber are of concrete, 76 cm. in thickness. The diurnal variation of temperature within the chamber is, for most days of the year, negligibly small and no corrections for this diurnal variation have been applied to the diurnal inequalities or other data published in this volume. From the magnetograph house temperatures for each day given in the Tables, however, it will be noted that the day-to-day change of temperature is sometimes considerable. The average day-to-day change in degrees absolute over each of the twelve months of 1936 and for the year as a whole was as follows:-

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
0·46	0·31	0·28	0·34	0·37	0·46	0·29	0·25	0·36	0·32	0·34	0·43	0·35

There were 13 occasions on which the change reached or exceeded 1°A.

The results of the absolute determinations of D, I and H are summarized in the subjoined table, and the values of m, the moment at 0°C of collimator magnet 3951A are also given. It should be noted that the values of m obtained are affected to an appreciable extent by changes of H between the vibration and deflection experiments and that no part of the H observation is actually taking place at the "mean time", which occurs in the interval between vibration and deflection. Considerations of space make it necessary to limit observations printed to about two per week, but, as indicated above, absolute observations of D and I are made more frequently. For each set of absolute observations are shown the deduced base line values of H, D and V, and, in brackets, the adopted base line values. Thus, the entry 428 (427) under H signifies: deduced base line value 14,428, adopted base line value 14,427. Apart from a few discontinuities in V, the base line values were very steady, and therefore the values corresponding to dates between those given in the table may be obtained by interpolation.

All values of H at Lerwick, as amended by the correction table on p21 of the Observatories year book 1938, are 5γ too low. This means that the values originally published are only 1γ too high.

(errata

ABSOLUTE DETERMINATIONS OF D, I AND H, AND BASE LINE VALUES OF H, D AND V

Lerwick												1936
	Declination			Inclination		Horizontal Force			Base line values (deduced and adopted)			
Date	Mean Time	D		Mean Time	I	Mean Time	H	m	H	D		V
	h m	° ′ ″		h m	° ′	h m	γ		14,000γ+	° ′ ′		46,000γ+
Jan. 4	11 55	13 3 48		10 59	72 51·3	12 21	14,430	1048·3	359 (359)	12 57·7 (57·9)		678 (687)
7	11 49	4 8		15 19	50·7	12 23	436	8·0	354 (353)	57·8 (58·0)		- (687)
11	11 51	7 5		-	-	12 18	426	8·4	358 (358)	57·6 (58·0)		- (673)
14	11 27	3 43		15 9	50·8	12 0	422	8·2	351 (351)	58·0 (58·0)		669 (670)
17	11 47	4 6		10 45	51·7	12 16	425	8·3	348 (348)	58·4 (58·1)		668 (668)
21	11 51	2 21		10 43	50·9	12 24	435	8·4	349 (345)	57·9 (58·1)		666 (665)
24	12 21	4 11		10 39	51·4	12 46	434	8·1	395 (395)	51·0 (50·8)		659 (663)
28	10 35	3 14		11 1	51·7	12 11	424	8·0	395 (399)	50·9 (50·8)		658 (661)
31	11 41	5 38		12 3	52·0	10 33	427	8·2	402 (402)	50·6 (50·8)		664 (660)
Feb. 4	11 5	13 9 57		10 50	72 51·7	12 11	14,425	1048·3	400 (398)	12 50·9 (50·8)		667 (659)
7	12 12	3 11		10 45	50·4	12 37	435	8·1	395 (396)	50·7 (50·8)		642 (658)
11	10 56	6 27		10 37	52·3	12 3	423	8·1	398 (401)	50·6 (50·8)		655 (656)
14	11 45	5 21		10 44	51·0	12 17	436	8·1	403 (399)	50·7 (50·8)		645 (646)
18	10 51	4 15		10 35	52·3	12 7	411	8·2	398 (402)	51·0 (50·8)		653 (655)
21	12 11	2 41		10 45	51·6	12 39	436	7·9	404 (404)	50·7 (50·8)		612 (616)
25	10 27	2 54		12 28	51·9	11 55	420	8·3	404 (402)	50·7 (50·8)		622 (615)
28	12 7	4 25		11 47	52·2	12 32	414	8·1	404 (402)	50·6 (50·8)		601 (614)
Mar. 3	12 11	13 4 9		11 51	72 51·3	12 35	14,426	1047·9	402 (399)	12 50·9 (50·8)		595 (613)
6	11 1	2 13		10 47	52·4	11 59	415	8·6	401 (401)	50·7 (50·8)		610 (613)
10	11 13	4 53		10 55	53·3	12 12	392	8·4	403 (403)	50·6 (50·8)		622 (615)
13	12 1	5 2		14 43	50·6	12 31	419	8·1	405 (403)	50·7 (50·8)		605 (616)
17	10 38	0 17		10 23	51·7	12 3	416	8·3	404 (405)	50·7 (50·8)		613 (618)
20	12 4	6 52		10 48	52·8	12 32	405	8·0	407 (407)	50·8 (50·8)		609 (619)
24	10 44	12 59 29		15 23	51·9	12 0	407	7·1	408 (411)	50·4 (50·8)		630 (623)
27	12 21	13 11 3		10 46	54·0	12 45	394	8·7	410 (410)	50·9 (50·8)		624 (620)
31	-	-		10 45	53·1	12 0	388	7·7	409 (409)	- (50·8)		622 (620)
Apr. 3	9 57	12 58 7		16 38	72 48·2	10 29	14,394	1048·5	407 (407)	12 50·5 (50·8)		604 (619)
7	12 2	13 7 2		10 47	52·6	12 33	396	7·7	405 (407)	50·5 (50·8)		609 (619)
10	10 56	12 59 24		10 37	52·9	12 27	400	8·1	410 (409)	50·6 (50·8)		609 (618)
14	10 53	13 1 10		10 37	54·7	11 49	395	7·7	411 (410)	50·5 (50·8)		614 (618)
17	12 7	6 45		11 49	54·1	10 20	387	7·9	411 (407)	50·6 (50·8)		610 (618)
21	8 45	4 47		8 29	57·7	10 50	397	8·4	406 (405)	50·5 (50·8)		604 (618)
24	11 12	1 32		9 45	53·0	11 43	398	8·0	407 (405)	50·2 (50·8)		605 (617)
28	8 47	12 51 38		8 28	51·8	10 48	411	8·4	412 (412)	50·5 (50·8)		623 (617)
May 1	11 10	13 3 54		9 44	72 52·5	11 35	14,390	1048·6	414 (413)	12 51·2 (50·8)		619 (616)
5	9 47	12 57 3		9 33	53·7	11 10	402	8·1	412 (413)	50·2 (50·8)		614 (616)
8	11 11	13 3 35		9 42	52·9	11 38	403	8·2	412 (413)	50·9 (50·8)		600 (616)
12	9 52	12 59 23		8 41	54·2	11 9	401	7·1	417 (413)	50·8 (50·8)		592 (616)
15	10 53	59 9		9 42	54·3	11 24	400	7·5	412 (413)	50·6 (50·8)		604 (616)
19	8 46	47 54		8 29	53·1	10 24	379	8·3	416 (413)	- (50·8)		611 (616)
22	10 41	59 31		9 41	54·9	11 13	390	7·5	413 (413)	50·8 (50·8)		633 (616)
26	9 23	56 46		8 42	53·4	10 29	386	7·8	413 (413)	50·6 (50·8)		602 (616)
29	11 9	13 2 45		9 43	54·7	11 35	435	5·8	417 (413)	50·8 (50·8)		607 (616)
June 2	8 49	12 54 19		8 33	72 51·6	10 41	14,410	1047·9	410 (412)	12 50·5 (50·8)		614 (616)
5	11 3	55 19		9 47	53·5	11 29	405	7·9	410 (412)	37·2 (37·8)		619 (616)
9	10 59	13 1 12		9 40	57·2	11 29	400	7·7	411 (413)	38·7 (37·7)		625 (616)
12	8 42	12 56 42		8 29	52·6	10 17	404	8·4	413 (416)	37·4 (37·6)		611 (616)
16	10 2	53 21		9 45	54·1	11 11	386	8·6	417 (417)	37·6 (37·5)		624 (616)
19	10 31	52 21		10 16	60·9	14 5	615	9·4	422 (417)	37·2 (37·4)		628 (616)
24	10 21	56 10		10 1	53·6	11 18	393	8·4	426 (425)	37·2 (37·3)		602 (616)
26	10 46	59 9		10 32	53·5	11 31	412	8·4	426 (424)	37·2 (37·3)		601 (616)
30	10 22	57 13		10 9	52·8	11 23	405	8·4	422 (422)	37·6 (37·3)		613 (616)

ABSOLUTE DETERMINATIONS - (Continued)

Lerwick 1936

Date	Declination		Inclination		Horizontal Force			Base line values (deduced and adopted)		
	Mean Time	D	Mean Time	I	Mean Time	H	m	H	D	V
	h m	° ′ ″	h m	° ′	h m	γ		14,000γ+	° ′ ′	46,000γ+
July 3	10 38	13 0 24	11 29	72 53·9	11 19	14,401	1048·4	422 (422)	12 37·3 (37·4)	619 (617)
6	10 25	12 58 43	10 9	53·1	11 16	413	7·5	389 (392)	37·4 (37·5)	627 (618)
11	10 45	58 31	9 50	56·3	11 13	408	8·5	392 (393)	38·0 (37·8)	627 (619)
15	13 59	13 3 57	15 33	50·8	14 39	441	7·9	394 (393)	37·8 (37·9)	624 (620)
18	10 47	12 58 6	8 45	53·8	11 15	398	7·9	394 (393)	37·7 (37·9)	614 (621)
21	14 1	13 4 28	15 15	50·5	14 31	432	7·7	396 (393)	38·0 (37·9)	621 (622)
24	10 47	12 57 55	11 49	51·9	11 13	415	7·7	393 (393)	37·8 (37·9)	623 (623)
29	8 54	13 1 41	8 39	51·3	11 25	410	7·6	391 (393)	- (37·9)	612 (624)
Aug. 1	11 7	12 55 46	12 8	72 53·7	11 32	14,399	1047·8	389 (394)	12 37·8 (37·8)	622 (625)
4	11 45	13 1 4	11 26	53·3	13 59	433	7·8	394 (384)	37·8 (37·8)	633 (625)
7	10 47	12 55 17	13 45	52·0	11 27	405	7·8	392 (394)	37·7 (37·8)	621 (625)
11	9 54	50 15	9 37	53·9	11 19	401	8·4	395 (394)	37·3 (37·8)	623 (625)
14	11 1	58 35	9 44	52·7	11 29	412	8·0	399 (394)	37·6 (37·8)	626 (625)
18	11 11	57 33	14 35	51·7	11 35	396	7·8	393 (394)	37·6 (37·8)	619 (625)
21	14 17	13 3 5	13 59	53·0	11 31	389	8·0	394 (394)	38·0 (37·8)	635 (625)
25	11 4	12 58 11	9 45	53·8	11 28	393	7·5	389 (394)	37·8 (37·8)	628 (625)
28	14 5	59 5	13 44	51·8	14 33	430	7·7	390 (394)	37·6 (37·8)	622 (625)
Sept. 1	11 3	12 57 35	13 41	72 52·0	11 30	14,397	1047·9	393 (393)	12 37·7 (37·7)	611 (624)
4	10 59	58 38	9 42	55·6	11 28	383	7·5	386 (393)	37·5 (37·7)	625 (624)
8	10 21	59 47	9 56	53·9	11 4	394	8·5	393 (393)	37·7 (37·7)	623 (623)
11	11 13	13 1 16	9 47	53·9	11 37	373	7·9	391 (392)	38·0 (37·8)	617 (623)
15	13 47	3 5	11 48	54·1	14 27	416	8·5	392 (392)	37·8 (37·8)	615 (622)
18	11 1	12 59 29	10 41	53·3	11 28	400	7·9	389 (392)	37·7 (37·8)	629 (622)
22	13 49	13 3 11	9 57	53·9	14 8	402	8·0	389 (391)	37·9 (37·9)	619 (622)
25	10 47	12 53 35	14 12	52·6	11 16	381	8·4	392 (390)	37·9 (37·9)	620 (622)
29	11 51	13 2 56	11 39	54·2	14 5	416	7·7	388 (390)	38·0 (37·9)	619 (622)
Oct. 2	11 15	12 55 27	9 43	72 54·4	11 41	14,382	1047·7	387 (389)	12 37·9 (37·9)	617 (620)
6	14 45	13 1 18	16 30	52·7	15 35	429	8·5	391 (389)	37·9 (37·9)	620 (618)
9	12 1	5 32	10 41	54·6	12 29	380	7·4	389 (389)	38·4 (37·9)	613 (617)
13	12 34	12 59 3	12 20	53·9	14 6	419	8·0	389 (389)	38·0 (37·9)	617 (616)
16	9 52	56 40	11 41	56·4	10 30	390	8·4	382 (388)	37·7 (37·9)	612 (614)
20	12 48	59 29	16 7	52·3	15 22	431	7·8	387 (387)	38·0 (37·9)	608 (613)
23	12 24	59 30	12 45	52·6	14 47	432	8·0	388 (388)	37·9 (37·9)	613 (612)
27	12 39	56 25	12 23	53·5	15 6	421	8·0	385 (387)	37·9 (37·9)	626 (628)
30	12 8	58 18	10 35	53·3	12 33	421	7·8	387 (387)	38·3 (37·9)	630 (627)
Nov. 4	14 45	12 58 18	12 48	72 55·9	15 13	14,404	1048·1	386 (387)	12 38·2 (38·0)	625 (627)
6	12 5	56 19	12 33	54·7	15 6	403	8·0	386 (386)	37·8 (38·0)	620 (626)
10	12 29	56 59	12 13	53·4	14 30	421	8·3	387 (387)	37·9 (38·0)	631 (626)
13	11 50	55 26	10 45	53·7	12 17	407	8·1	389 (386)	37·9 (38·0)	621 (626)
17	11 42	55 33	11 25	53·1	12 26	409	8·0	384 (385)	37·6 (38·0)	628 (625)
20	11 57	58 21	14 40	54·4	12 28	389	8·3	386 (385)	38·2 (38·0)	619 (625)
24	11 45	56 15	11 27	52·6	13 30	418	7·9	385 (387)	38·1 (38·0)	623 (625)
27	12 13	56 9	11 54	53·0	12 37	412	8·0	387 (386)	38·1 (38·0)	625 (624)
Dec. 1	11 4	12 53 49	10 49	72 54·6	12 18	14,392	1047·7	384 (386)	12 37·7 (38·0)	622 (623)
4	12 11	54 28	11 51	52·7	12 44	410	8·0	387 (386)	38·2 (38·0)	636 (623)
8	12 10	53 27	14 41	53·0	12 39	411	8·3	387 (386)	37·8 (38·0)	635 (623)
12	11 52	54 53	10 51	52·6	12 25	425	7·7	387 (386)	37·8 (37·9)	625 (623)
15	11 7	54 3	10 51	52·5	12 9	414	8·1	386 (386)	37·2 (37·9)	618 (623)
18	11 45	55 16	14 44	52·1	12 19	423	7·9	389 (386)	38·1 (37·9)	615 (623)
22	11 42	52 55	15 55	51·1	13 31	423	7·9	386 (386)	37·7 (37·9)	613 (622)
30	11 45	51 48	11 29	54·6	12 32	397	8·0	387 (386)	37·5 (37·9)	621 (622)

AURORA

From about September to April a watch for aurora is maintained, normally until about 23h G.M.T. each evening, and observations - as a rule at intervals of 15 to 20 minutes - are made of the northern horizon and of general meteorological conditions. The records form what is called the auroral log, a brief summary of which is given in Table 67. When any auroral display is observed, a second observer is called and detailed observations are maintained until the display subsides. These detailed observations have consisted in noting and making descriptions of the phenomena seen during the display. The descriptive notes are entered in a second log reserved for records of actual auroral displays. Extracts from this latter log may be obtained by anyone requiring the detailed information.

A general auroral table for Scotland (Table 68) is also included. This table has been compiled from the records of all stations at which climatological observations or weather logs are maintained. The observers at these stations, whilst noting occasions of aurora which they may happen to observe, do not in general maintain a special watch.

Notes on the Tables.

The hourly values of H, D and V, obtained as described above, appear in three of the four monthly tables. The variations in D, being expressed in minutes, may be readily converted to units of force (γ) of the component perpendicular to the magnetic meridian by multiplying by a factor which for 1936 is approximately 4·20. The mean value for the day is computed as the mean of the twenty-four hourly values.

The letters "Q" and "D", affixed to dates, denote the five quiet and the five disturbed days as selected at De Bilt.

In the fourth table for each month are given:-

(a) The values and times of the daily maximum and minimum and the values of the absolute daily range for each of the elements H, D and V.

(b) The value of $HR_H + VR_V$ for each day, where R_H and R_V denote the absolute ranges in force for a calendar day of the horizontal and vertical components.

(c) The daily magnetic character figures, assigned according to the international scheme wherein "0", "1", "2", respectively, denote quiet, moderately disturbed, and highly disturbed conditions.

(d) The daily values of temperature in the magnetic chamber.

Mean diurnal inequalities of H, D and V on all days and on international quiet and disturbed days are given, for the months, seasons and year, in Tables 53 to 61.

In calculating diurnal inequalities in the present year the non-cyclic change* has not been eliminated, but the values of the non-cyclic change are given, as in former years, in Table 64. The values of the range of the mean diurnal inequalities of the several elements in the three categories of days

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* See General Introduction p. 23

are brought together in Table 62. The "Average Departures", or mean values of the 24 hourly constituents of the inequalities irrespective of sign, are given in Table 63.

The mean values of $HR_H + VR_V$ are summarized in Table 65.

In earlier years Table 66 gave, for the months and year, the mean values of N, W, V, D, I, H and Total Force T on all days. Since 1934 the Table has been extended to give in addition the mean values of the primary elements H, D and V on the internationally selected groups of quiet and disturbed days. For all days the means of N, W, I and T are derived from the corresponding values of H, D and V.

Finally, in Tables 67 and 68 are given summaries of auroral observations obtained as already described.

Review of Results.

Mean and Extreme Values of the Magnetic Elements, 1936.- The mean values of the magnetic elements for the years 1935 and 1936 are given in Table I. The values of H, D and V have been computed from the hourly values derived from the autographic records of all days, standardized by means of the absolute observations; those of N, W, I and T have been deduced from the values of H, D and V.

TABLE I

Year	H	D (West)		I		N	W	V	T
	γ	°	′	°	′	γ	γ	γ	γ
1935	14446	13	9·5	72	49·9	14067	3289	46758	48939
1936	14429	12	57·8	72	51·7	14061	3237	46791	48965

The annual rates of decrease of westerly declination for the epoch January 1st of each year during the last thirteen years are summarized as follows:-

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
Rate of decrease	′ 13·8	′ 13·0	′ 14·9	′ 12·9	′ 12·8	′ 13·7	′ 12·4	′ 11·6	′ 13·6	′ 12·1	′ 12·1	′ 12·4	′ 11·7

In comparing the values of I, V and T for the two years in Table I with those given in the corresponding tables for years earlier than 1934 the discontinuity of +3′ in I or +144γ in V on Jan. 1st 1934 is to be borne in mind. (See O.Y.B. 1934, p.35).

Mean values derived from (a) international quiet days and (b) international disturbed days are as follows:- (a) H, ~~14449~~ 14433 γ; D, ~~13° 04′.6~~ 12° 57′.9; V, ~~46759~~ 46792 γ (b) H, ~~14441~~ 14421 γ; D, ~~13° 04′.3~~ 12° 58′.1; V, ~~46756~~ 46788 γ.

The extreme values of H, D and V recorded during 1936 are given in Table II.

TABLE II

Element	Maximum		Minimum		Absolute Annual Range
	Value	Date 1936	Value	Date 1936	
		d h m		d h m	
Horizontal Force	14849 γ	Oct.24 17 40	13463 γ	Jun.19 3 54	1386γ
Declination	13° 58′.5	Nov. 3 20 32	12° 6′.6	Apr.21 23 25	1° 51′.9
Vertical Force	47066 γ	Oct.24 18 14	46354 γ	Jun.19 4 32	712 γ

The range of 1° 51′.9 in declination is equivalent to a range of 470γ in the component of force perpendicular to the magnetic meridian. In the year 1935 smaller ranges were recorded in H and V.

Magnetic character of the year.- The following table shows the same sunspot numbers for recent years, together with the mean absolute daily range of declination, as a rough measure of magnetic activity:-

Year	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
Sunspot No.	5·8	16·7	44·3	63·9	69·0	77·8	65·0	35·7	21·2	11·1	5·7	8·7	36·1	78·2
Absolute daily range of D.	14′·9	15′·4	18′·1	25′·0	20′·0	21′·4	24′·3	28′·5	19′·2	21′·3	19′·6	18′·0	20′·4	20′·9

In these fourteen years the sunspot numbers show a fairly regular rise from the minimum year 1923 to a maximum in 1928 and a fall to the second minimum in 1933 after which the rise in the new cycle is small in the first year and then more rapid in 1935 and 1936. The second minimum in the D ranges occurs one year after the sunspot minimum and the maxima occur in 1926 and 1930, the latter the larger, although its sunspot number was less than in 1935.

In the next table the mean absolute daily ranges of D for individual months of the year 1936 are set out, together with their sunspot numbers.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Sunspot number	60·4	73·8	77·7	77·1	54·1	70·5	52·4	87·6	75·1	85·5	113·4	117·5
Mean Absolute daily range of D	20′·6	22′·0	21′·8	30′·7	21′·0	21′·6	21′·0	16′·8	16′·2	22′·3	22′·8	13′·6

In addition to summarizing the local and international character figures for each month, Table III gives the annual totals of the separate characters and the annual means from 1924. Comparative data for all, q and d days derived from the numerical indes of disturbance($HR_H + VR_V$)10^{-4} are given for each month of 1936 and annual means from 1930. April was the most disturbed month of 1936. As a whole 1936 was more disturbed than the three preceding years.

TABLE III

Month.	Magnetic Character Figures			Mean Character Figures		Mean Value of $\frac{HR_H + VR_V}{10{,}000\ \gamma^2}$		
	Number of "0" days	"1" days	"2" days	Ler-wick	Inter-national	All days	Q days	D days
January	10	20	1	·71	·69	440	88	1126
February	9	19	1	·72	·78	595	132	1343
March	12	16	3	·71	·64	622	137	1506
April	8	15	7	·97	·82	1124	208	2989
May	12	17	2	·68	·70	666	249	1209
June	11	18	1	·67	·69	757	251	1706
July	6	20	5	·97	·73	763	247	2024
August	10	21	0	·68	·45	360	220	625
September	13	17	0	·57	·46	328	186	658
October	14	14	3	·65	·69	660	156	2199
November	11	16	3	·73	·70	625	110	1874
December	17	13	1	·48	·47	293	97	809
Year,1936	133	206	27	·71	·65	603	173	1506
Year,1935	100	245	20	·78	·67	564	175	1482
Year,1934	168	173	24	·61	·56	465	155	1151
Year,1933	157	169	39	·59	·64	563	166	1413
Year,1932	97	230	39	·84	·71	644	182	1602
Year,1931	121	212	32	·75	·66	589	196	1394
Year,1930	64	235	66	1·01	·83	1063	250	2515
Year,1929	113	214	38	·80	·67			
Year,1928	126	211	29	·74	·63			
Year,1927	137	206	22	·68	·63			
Year,1926	208	134	23	·50	·65			
Year,1925	207	130	28	·51	·56			
Year,1924	229	114	23	·44	·55			

The values of mean absolute daily range for the months and seasons of the year are given in Table IV where, for convenience of comparison, the ranges of declination in angle have been converted to units of force of the component perpendicular to the magnetic meridian. If comparison be made with the corresponding table in the Eskdalemuir Section it will be seen that in 1936 the ratios of the annual mean ranges of H, D and V at Lerwick to those at Eskdalemuir are 1·1, 1·1 and 2·0. For the five years 1932-36 the means of these ratios are 1·3, 1·1 and 2·3. The ratios of the mean daily ranges for the six years 1926-31 of Lerwick H to Eskdalemuir N, Lerwick D to Eskdalemuir W, and Lerwick V to Eskdalemuir V, are 1·4, 1·1 and 1·9; from year to year scarcely any variation appears in the ratio of the W or D components but there are variations in the case of the H or N and V components.

TABLE IV -ABSOLUTE DAILY RANGE. MEAN MONTHLY VALUES

Month	Mean Absolute Daily Range 1936			Mean Daily Range expressed as Percentage of Yearly Mean 1936		
	H	D	V	H	D	V
	γ	γ	γ	%	%	%
January	69	87	73	59	99	78
February	79	92	103	68	105	110
March	104	91	101	90	104	108
April	236	129	168	205	147	180
May	137	88	100	118	100	107
June	166	91	111	143	104	119
July	164	88	113	142	100	121
August	87	71	50	75	81	54
September	77	68	47	67	78	51
October	123	94	103	106	107	110
November	98	96	103	85	110	110
December	49	57	48	42	65	52
Winter	74	83	82	64	95	88
Equinox	135	95	105	116	108	112
Summer	139	85	93	120	97	100
Year	116	88	93	-	-	-

The frequency distribution of absolute daily ranges recorded in 1936 is shown in Table V. A comparison with the corresponding figures for Eskdalemuir (Table V on page 187) indicates that ranges in excess of 200γ are as usual much more frequent at Lerwick than at Eskdalemuir, even in the case of D ranges, of which the frequency distributions at the two places usually show less divergence. Apart from this it is notable that the ranges of maximum frequency at Lerwick fall in the intervals 60-69γ or 70-79γ for H and 60-69γ for D, and 20-29γ for V, that is, at much the same points as at Eskdalemuir, though H and V have many more ranges in excess of 200γ than has D.

TABLE V.- FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE

	Number of Cases, 1936			Percentage Distribution		
	H	D	V	H	D	V
0- 9	0	0	6	0·0	0·0	1·6
10- 19	5	1	46	1·4	0·0	12·6
20- 29	23	16	56	6·3	4·4	15·3
30- 39	31	27	39	8·5	7·4	10·7
40- 49	23	25	21	6·3	6·8	5·7
50- 59	32	39	29	8·7	10·7	7·9
60- 69	41	61	18	11·2	16·7	4·9
70- 79	41	46	13	11·2	12·6	3·6
80- 89	38	36	16	10·4	9·8	4·4
90- 99	19	19	15	5·2	5·2	4·1
100- 109	17	22	6	4·6	6·0	1·6
110- 119	7	12	7	1·9	3·3	1·9
120- 129	10	9	8	2·7	2·5	2·2
130- 139	6	10	5	1·6	2·7	1·4
140- 149	9	7	8	2·5	1·9	2·2
150- 159	7	5	6	1·9	1·4	1·6
160- 169	5	3	5	1·4	0·8	1·4
170- 179	3	5	5	0·8	1·4	1·4
180- 189	4	3	7	1·1	0·8	1·9
190- 199	1	4	4	0·3	1·1	1·1
200+	44	16	46	12·0	4·4	12·6
Days omitted	0	0	0	-	-	-

TABLE VI - PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT LERWICK, 1936

Where the beginning of a disturbance has been marked by a "sudden commencement", the serial number is followed by an asterisk (*), and the time entered in the second column is that of the sudden commencement, estimated to the nearest minute. In other cases, the exact hour nearest the time at which disturbance may be regarded as having begun is entered in the second column. To the tabulated values of maximum and minimum, the following have to be added:- H, 14,000γ; D, 12°; V, 46,000γ.

No.	From		To	Horizontal Force					Declination					Vertical Force				
				Max.	Time	Min.	Time	Range	Max.	Time	Min.	Time	Range	Max.	Time	Min.	Time	Range
		d h m	d h	γ	d h m	γ	d h m	γ	′	d h m	′	d h m	′	γ	d h m	γ	d h m	γ
1	Jan.	24 16	Jan. 26 23	826	24 19 24	200	24 23 31	626	100·8	24 19 27	26·6	24 22 15 and 26 21 15	74·2	930	24 18 40	564	24 22 26	366
2*	Feb.	16 10 56	Feb. 20 6	583	17 18 19	258	19 21 27	325	89·0	17 18 27	26·6	19 20 51	62·4	939	17 18 19	575	19 21 26	364
3	Feb.	21 12	Feb. 24 4	501	21 18 45	357	22 0 55	144	75·1	21 16 17	38·5	23 23 37	36·6	893	21 17 55	661	22 1 24	232
4	Mar.	19 19	Mar. 28 6	524	23 18 45	164	24 20 40	360	103·2	24 20 46	31·3	25 23 34	71·9	912	23 18 38	558	24 23 53	354
5	Apr.	1 6	Apr. 4 3	595	1 18 4	339	3 23 53	256	74·4	3 18 57	24·7	2 21 40	49·7	962	1 18 10	602	3 23 50	360
6	Apr.	12 10	Apr. 16 6	582	15 16 32	290	16 1 15	292	79·5	15 16 35	33·1	16 1 56	46·4	895	13 17 4	635	16 1 14	260
7	Apr.	17 10	Apr. 24 8	732	22 14 32	-299	22 0 15	1031	110·1	21 22 32	6·6	21 23 25	103·5	975	19 17 2	372	21 23 41	603
8*	May	10 8 4	May 13 11	603	12 18 30	240	12 21 31	363	87·3	12 18 45	46·3	12 7 57	41·0	859	10 20 16	594	12 21 56	265
9	May	14 10	May 21 24	553	16 18 3	239	18 1 10	314	78·9	18 22 44	38·4	18 19 23	40·5	886	16 13 54	555	18 23 16	331
10*	May	29 8 48	June 4 2	569	2 18 29	268	31 1 15	301	73·8	1 11 34	36·5	1 21 4	37·3	870	29 14 27	575	31 1 12	295
11	June	8 12	June 17 4	555	8 17 51	297	8 22 55	258	76·7	9 16 8	35·5	8 22 41	41·2	895	9 16 20	607	8 22 53	288
12*	June	18 9 41	June 20 20	654	19 13 2	-537	19 3 54	1191	108·8	19 3 47	22·1	19 4 47	86·7	979	19 12 58	354	19 4 32	625
13	July	2 1	July 3 21	779	2 15 34	94	3 1 5	685	81·0	2 19 20	33·6	2 7 59	47·4	1054	2 14 56	583	3 1 6	471
14*	July	5 2 30	July 7 24	608	6 13 42	240	6 1 12	368	75·8	6 15 0	39·2	6 1 18	36·6	922	6 14 34	616	7 1 30	306
15	July	10 4	July 13 19	609	10 16 10	149	10 23 0	460	81·1	11 16 25	34·5	11 1 29	46·6	898	10 16 45	532	11 0 39	366
16*	July	29 6 5	July 30 8	602	29 14 30	333	30 1 54	269	79·7	29 16 5	47·8	30 7 42	31·9	947	29 16 26	687	29 21 50	260
17	Sept.	26 0	Sept. 27 17	526	26 17 13	362	27 11 43	164	74·8	26 13 54	35·2	26 22 38	39·6	961	26 17 21	746	26 1 5	215
18	Oct.	7 20	Oct. 10 20	512	9 18 51	319	10 4 21	193	72·9	10 5 7	25·5	10 3 1	47·4	881	10 15 44	615	10 3 51	266
19*	Oct.	16 15 1	Oct. 18 16	725	16 18 6	-243	16 22 31	968	103·5	16 19 32	8·4	17 1 10	95·1	1030	16 19 34	428	17 2 43	602
20	Oct.	23 12	Oct. 25 16	849	24 17 40	380	23 22 33	469	81·6	24 17 45	35·0	23 22 18	46·6	1086	24 18 14	726	24 23 10	340
21*	Nov.	2 14 21	Nov. 5 13	525	3 18 4	71	3 20 34	454	118·5	3 20 32	14·3	3 20 7	104·2	948	3 18 6	497	3 20 28	451
22*	Nov.	10 16 58	Nov. 12 6	611	11 17 6	99	11 21 26	512	72·1	11 16 34	10·4	11 21 42	61·7	988	11 17 20	592	11 21 24	396
23*	Nov.	28 23 37	Nov. 29 22	468	28 23 40	-22	29 4 25	490	95·9	29 4 25	29·5	29 0 19	66·4	840	29 20 57	358	29 4 45	482
24*	Dec.	27 3 29	Dec. 28 18	556	28 14 7	225	28 5 3	331	71·5	28 4 39	28·4	28 2 43	43·1	964	28 16 29	596	28 2 39	368

Diurnal Inequalities. -The mean diurnal inequalities for all days, international quiet and disturbed days, for the months, seasons and the year, are given in Tables 53-61, and the corresponding inequality ranges in Table 62. The inequalities of H, D and V for international quiet and disturbed days are shown graphically in Plate I, whilst in Plate II are given vector diagrams illustrating the diurnal variation of magnetic force in the horizontal, the prime vertical and the meridian planes.

All days.- The ranges of the mean inequalities of H and D for the year and seasons are with one slight exception the highest reached in the series since 1930. In the case of V the ranges approximate to those of the year 1933.

Quiet days.- The ranges of the mean inequalities of H for the year, equinox and summer and of D for the year and summer are the highest yet recorded at Lerwick; in winter the H and D ranges are not outstanding. Those of V, except in summer, are not much above the average.

Disturbed days.- The ranges of the mean inequalities of H for the year and equinox are the highest since 1930; the range in April is particularly outstanding. In the case of D, except in winter, the ranges are the highest for a rather longer period. In V, except in equinox - and this is due largely to the April range - the ranges are not outstanding, and except in summer and equinox they are rather under the average of past years.

A comparison of the records of Eskdalemuir and Lerwick shows that in general the declination inequalities at the two places for all, quiet and disturbed days are very similar in general appearance, although minor irregularities on the one set of values are not always reproduced on the other, or, if so, only with diminished amplitude. Differences are more obvious on the horizontal and vertical force curves, especially on disturbed days. The table below shows the ratios of the ranges of the inequalities in the various months. On the average of the eleven years 1926-36 it is found that this ratio in the case of H on quiet days rises to a maximum of about 1.15 at midsummer and falls to a minimum of about .85 at midwinter. In the case of V on quiet days the ratio behaves in the opposite way, ranging from a minimum of about ·8 at midsummer to from 1·3 to 1·6 in winter months. On disturbed days the average values of the ratio in the case of V show no systematic variation with season, and remain mostly between 1·9 and 2·3. In the case of H individual months have shown wide fluctuation. On the eleven year average the factor has a minimum of 1·6 near midsummer and maxima of about 2·3 and 2·8 have been attained in October and February.

Ratio of the Range of the Inequality at Lerwick to that at Eskdalemuir (1936)

Type of Day	Element	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
q	D	1·04	1·10	1·02	·98	·98	1·02	1·03	1·05	·96	·93	·92	1·02
d	D	1·16	1·15	1·19	1·10	1·05	1·23	1·04	1·07	1·04	1·15	1·28	1·23
q	H	·84	1·13	1·22	1·09	1·17	1·05	1·10	1·11	1·04	1·04	·92	·92
d	H	2·92	1·62	1·66	3·54	1·08	1·45	2·45	1·09	1·14	2·66	1·54	1·48
q	V	1·22	·81	·60	·55	·83	·58	·66	·61	·71	·67	·97	1·77
d	V	1·35	2·15	2·39	1·88	2·35	1·55	2·34	1·99	1·84	1·80	1·92	1·87

Plate I

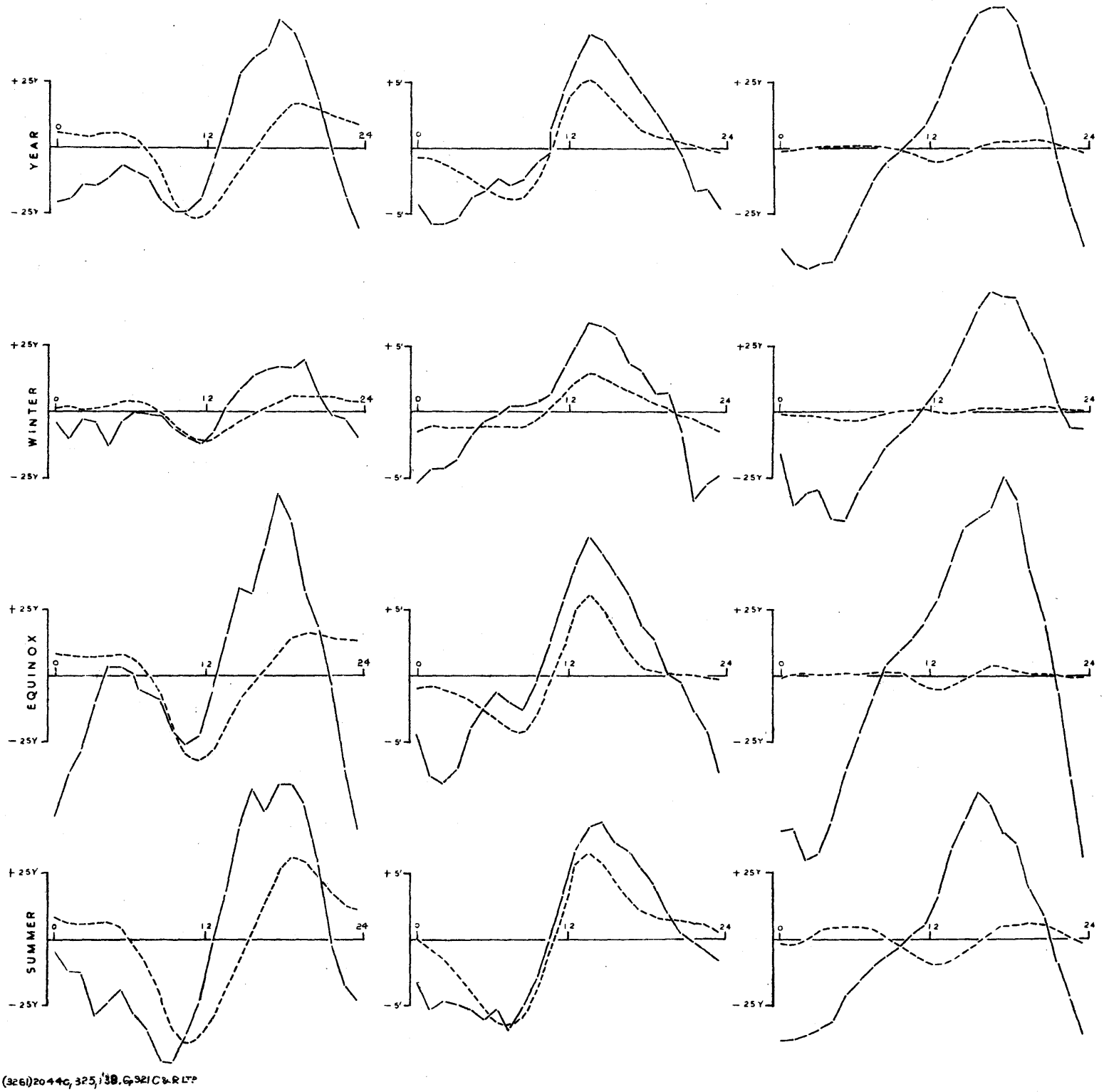
To face page 46.

DIURNAL VARIATION OF THE MAGNETIC ELEMENTS

LERWICK 1936

QUIET DAYS ---- DISTURBED DAYS ——

HORIZONTAL FORCE	DECLINATION	VERTICAL FORCE
YEAR		
WINTER		
EQUINOX		
SUMMER		



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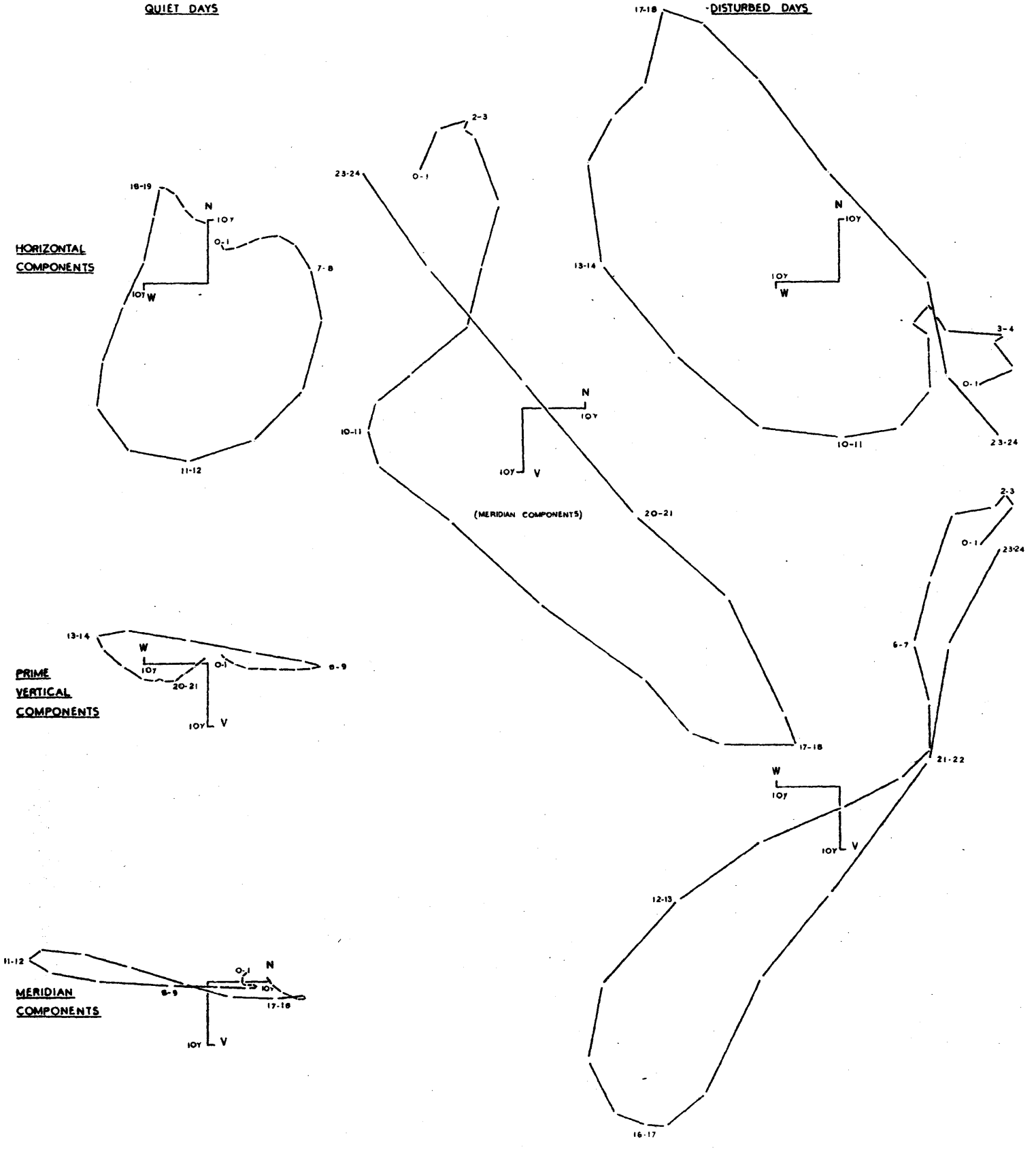
VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE

LERWICK 1936



Magnetic Disturbances.- Particulars of the principal magnetic disturbances recorded at Lerwick during the year are given in Table VI. In the Eskdalemuir Section will be found a similar list which deals with the same disturbances as recorded at that Observatory. Within the limits of accuracy of measurement and registration, "sudden commencements" appear to occur simultaneously at the two Observatories.

Remarks on the Autographic Records, 1936

JANUARY.- (Average Character Figure 0·71)

Conditions were moderately quiet until the evening of 24th, when a rapid rise in all elements after 18h marked the beginning of a brief disturbance. The maxima of H and D were reached in sharp peaks between 19h and 20h, but in this interval the movement of V was reversed and a secondary minimum was superposed on the normal evening hump. Between 22h and midnight all elements were mainly below their undisturbed values and reached sharp minima after sudden and rapid descents. The ranges were:- H, 626γ; D, 74′2; V, 366γ.

After midnight there was only minor activity until the end of the month.

Aurora was seen from one or more places in Scotland on the evenings of January 13, 15, 18 and 21-27, the display of the 24th being the most brilliant.

FEBRUARY.- (Average Character Figure 0·72)

Apart from minor disturbance on the evening of 2nd, and on 9th, 10th and 11th, conditions were quiet till the afternoon of 14th, rather less quiet thereafter. After a small "sudden commencement" at 16d 10h 56m there was an increase of activity, with a marked tendency during the next 18 hours for short periods of disturbance to occur at intervals of about 3½ hours. Disturbance was renewed on the afternoon of 17th, but died away after 21h.

Further slight disturbance occurred on the night of 19th-20th, the ranges being:- H, 281γ; D, 52′9; V, 343γ. Conditions continued to be slightly disturbed until the end of 27th.

Aurora was seen from one or more places in Scotland on the evenings of February 10, 12, 15, 16, 19, 20, 26 and 29.

MARCH.- (Average Character Figure 0·71)

From February 28d 0h till March 17d 12h conditions were almost entirely quiet. Small disturbances took place on the nights of 20th-21st and 21st-22nd.

At 24d 10m a rapid fall in H and V and rise in D marked the beginning of moderate disturbance, which lasted till 25d 4h. H and V were below their undisturbed values throughout this period, while D fluctuated irregularly. The most notable features were three sharp minima in H, at 24d 20h 40m, 24d 23h 25m and 25d 2h 23m, of the order of 180γ in depth. Nearly coincident with the first of these were a small but sharp minimum in V and a peak of 40′ in D.

Disturbance was renewed on the night of 25th-26th, when all three elements were below their undisturbed values between 22h and 4h, and again on the night of 27th-28th. Conditions were quiet from the afternoon of 28th till the end of the month.

Aurora was seen from one or more places in Scotland on the evenings of March 6, 10, 18, 21, 23 and 25-27, the display of the night 21st-22nd being the most outstanding.

APRIL.- (Average Character Figure 0·97)

Small disturbances occurred on the afternoon of 1st and the night of 3rd-4th. Conditions were mainly very quiet from 4d 16h till the morning of 12th, and rather less quiet after that. There was a small disturbance of normal type on the night of 15th-16th, and then, after an interval of quiet, considerable disturbance from the end of 17th till the end of 23rd. On each of the nights 17th-18th, 19th-20th, 20th-21st, 21st-22nd and 22nd-23rd, at about midnight, there was one or more sharp minima in H, from 300γ to 600γ or more in depth, accompanied by peaks in D. The most disturbed period was the night of 21st-22nd, from 20h till 5h. On each of the seven nights the movements of V were of normal type, viz., an irregular hump in the afternoon, followed by a trough from about 22h till 6h, during which occurred the most rapid oscillation in all elements.

Conditions became less disturbed during 23rd, and were quiet from 26th-30th inclusive, apart from slight disturbance on 28th.

Aurora was seen from one or more places in Scotland on the evenings of April 1, 3, 6, 8, 10, 12, 13, 15-23, 25, 26, 29 and 30, the display of the night of 21st-22nd being the most outstanding.

MAY.- (Average Character Figure 0·68)

Some disturbance took place on the morning of 1st, and on 4th, 10th-21st and 29th-31st; the rest of the month was almost entirely quiet. On the night of 12th-13th ranges of 363γ in H, 39′ in D and 246γ in V were recorded; the minima occurred rather early, viz., before 22h, and the disturbance died away after 2h.

Disturbance was of moderate intensity during most of 18th and 19th, and for the first four hours of 31st. There was a small "sudden commencement" at 29d 8h 48m, but the disturbance which followed was only slight.

JUNE.- (Average Character Figure 0·67)

There was slight disturbance during the first two days including a "sudden commencement" at 1d 16h 44m, the greatest activity being between 2d 10h and 3d 1h. Conditions were then very quiet from the afternoon of 4th till the early hours of 7th. Disturbance began to develop on 8th. After a brief period of activity between 22h and 24h, there was considerable agitation on 9th from 3h till the evening. Disturbance then decreased, but there was minor activity throughout 11th and 12th, and the 13th-16th were again somewhat disturbed.

A large disturbance began on the evening of 18th following a "sudden commencement" at 18d 9h 41m. There was a small trough in H and V between 22h and 19d 1h. Then, shortly after 2h H and V began to fall. The fall was very rapid in H, and from that time until 8h there was great disturbance in all elements; H and V were below their undisturbed values, but the fluctuations of D, though having an extreme range of 87', were about an approximately normal mean. The minimum of H at 3h 54m, about 975γ below the normal value for this hour, was very sharp, and was followed by a rapid but irregular rise; this rise was interrupted temporarily at 5h, but continued after 9h until the maximum at 13h 2m. V rose, with irregular fluctuations, from its minimum at 4h 32m to its maximum at 12h 58m. The ranges in H and V were 1191γ and 625γ respectively. H remained at a high value from 13h till 15h, and then began to fall. There were no further large movements, but small and rapid oscillations continued for the next 24 hours.

Conditions were then mainly quiet until the end of the month, the quietest periods being 21d 0h to 24d 12h, 25d 8h to 26d 3h and 27d 12h to the end.

JULY.- (Average Character Figure 0·97)

The morning of 2nd was characterized by small and rapid oscillations in all elements, H and D falling slightly below their normal values. During the afternoon H and V rose rapidly, reaching maxima in irregular peaks at about 15h. After a rapid fall in H, there was a pause in the disturbance between 16h 30m and 18h 40m, followed during the next 50 minutes by a very sharp peak some 240γ high in H and oscillations in D and V. Disturbance was again slight from 20h till 24h, after which H fell rapidly; V began to fall at 0h 40m, and the minima occurred almost simultaneously shortly after 1h, that of H being about 380γ below the undisturbed value. Both components made a rapid recovery, and the disturbance was at an end. Ranges for 2nd-3rd: H 685γ, D 47·4, V 471γ.

Disturbance was renewed after a "sudden commencement" at 5d 2h 30m. This was only of minor intensity at first, but developed somewhat during 6th, after small depressions in all elements between 0h and 3h. Maxima of all elements occurred in the early afternoon and were followed by an irregular fall to the minima between 7d 1h and 2h. Ranges: H 368γ, D 36·6, V 306γ.

Disturbance was slight during the next three days, but increased in intensity on the afternoon of 10th. There was much activity between 19h and 11d 4h, all elements being below their normal values. A "sudden commencement" at 8h 47m marked an increase of activity, but movements during the rest of the day were not large, and the disturbance died out during 12th and 13th.

Conditions continued to be slightly disturbed until the end of 20th. The rest of the month was mainly quiet except the period 29d 6h to 30d 10h.

AUGUST.- (Average Character Figure 0·68)

No disturbance worthy of description occurred during this month. The following periods were slightly disturbed:- 5d 6h to 6d 20h, afternoon of 8th to afternoon of 10th, 29d 22h to morning of 31st.

SEPTEMBER.- (Average Character Figure 0·57)

Conditions were quiet throughout almost the whole month. Slight disturbance occurred from the morning of 8th to end of 11th. At 26d 0h 20m a sharp but small rise in H and a drop in V marked the beginning of a small disturbance. All elements rose in the normal manner during the afternoon, but activity died away before midnight and there were no night minima. Slight disturbance continued till the end of 30th.

Aurora was seen from one or more places in Scotland on the evenings of September 7, 13, 15, 22 and 26.

OCTOBER.- (Average Character Figure 0·65)

Conditions were quiet during the first four days. There was some disturbance during 5th-10th, which reached its greatest intensity during the early hours of 10th, when there was a depression of 160γ in V. A small "sudden commencement" at 11d 13h 31m was not followed by any disturbance. After another at 13d 5h 53m there was slight disturbance, which had almost died out when another small "sudden commencement" at 16d 15h 1m marked the beginning of a very large disturbance. H, V and D rose to high peaks about 18h, falling irregularly after 18h 30m. Between 18h 36m and 18h 54m H fell by 360γ, and during the next hour there were large and rapid oscillations in all elements, D and V reaching their maximum values for the storm almost simultaneously with a sharp minimum in H. After 20h the general fall in all elements continued, and at 22h there was an outburst of activity which continued till 17d 5h, all elements being below their normal values. Minima occurred in all elements between 22h 30m and 23h 0m; that of H, 680γ below the normal value for the hour, was the absolute minimum for the storm. The intensity of disturbance decreased after 17d 4h, but small and rapid oscillations persisted until the afternoon of 18th. Ranges on 16th-17th: H 968γ, D 95'1, V 602 γ.

There was a small disturbance on 20th, and again on the night of 23rd-24th. On the following afternoon also there was some disturbance, peaks occurring in all elements about 18h, that of H reaching 420γ above the normal value.

Conditions were fairly quiet from 25th to 30th, but the 31st was slightly disturbed, especially between 9h and 16h.

Aurora was seen from one or more places in Scotland on the evenings of October 5-7, 9, 15, 16, 18, 19, 23, 24 and 26.

NOVEMBER.- (Average Character Figure 0·73)

Slight disturbance followed a "sudden commencement" at 2d 14h 21m. This increased somewhat in intensity during the afternoon of 3rd, and between 20h and 21h there were large oscillations with a range of 420γ in H, 104' in D and 400γ in V. Dips occurred in all elements between 4d 1h and 6h, and were repeated on a smaller scale twenty-four hours later.

Conditions continued to be slightly disturbed until the morning of 9th. At 10d 16h 58m there was a small "sudden commencement". It is to be re-

marked that this is the fourth "sudden commencement" occurring between 13h and 17h within 30 days. Only slight disturbance followed at first, but there were outbursts of activity on 11th, between 16h 30m and 18h, and between 20h 22m and 22h, the ranges being: 512γ in H, 61′7 in D, and 396γ in V. Slight disturbance continued till 12d 5h.

The 15th-19th were slightly disturbed, after which conditions were quiet (apart from some activity on the afternoon of 26th) until a "sudden commencement" at 28d 23h 37m marked the beginning of a large but brief disturbance. All elements fell rapidly, V remaining below its undisturbed value till 8h, H till 14h. The period of greatest activity was between 4h and 5h on 29th, during which the minima of H and V and the maximum of D occurred. After 5h V rose rapidly; there were no large movements, but rapid oscillations continued till about 22h. The ranges during this period were: H 490γ, D 66′4, V 482γ, the maximum of V occurring shortly before 21h.

Aurora was seen from one or more places in Scotland on the evenings of November 2, 3, 5, 6, 7, 9-12 and 15-18.

DECEMBER.- (Average Character Figure 0·48)

There was slight disturbance on the first seven days of the month and on 12th-14th, after which conditions were quiet until a small "sudden commencement" at 27d 3h 29m marked the beginning of small and rapid oscillations in all elements. There was minor disturbance during the evening, slightly increasing in intensity about midnight. From then till 28d 8h H and V were below their normal values, and all elements fluctuated irregularly. H and V rose after 11h, reaching irregular double peaks with maxima about 14h and 16h. The disturbance then rapidly died away, and came to an end at 18h. The ranges were: H 331γ, D 43′1, V 368γ.

Aurora was seen from one or more places in Scotland on the evenings of December 5, 6, 12, 20 and 31.

POTENTIAL GRADIENT (reduced to level surface): VOLTS PER METRE
Mean values for periods of sixty minutes, ending at exact hours, Greenwich Mean Time

1 LERWICK 1936

Day	JANUARY Factor 1·27				FEBRUARY Factor 1·29				MARCH Factor 1·29			
	2 - 3 h	8 - 9h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21h
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	-31	-230	104	46	Z±	143	-12	161	112	>744	152	127
2	-203	-307	-31	-184	233	Z±	>853	>558	74	105	139	295
3	55	104	123	74	124	171	161	171	93	81	109	121
4	40	80	141	>543	195	<-201	229	155	180	155	167	90
5	52	92	107	80	121	124	127	198	71	93	109	233
6	61	52	-92	123	124	146	208	155	19	195	<-357	189
7	135	98	-138	>184	186	96	279	505	68	133	112	Z±
8	123	111	61	95	353	515	446	310	<-1069	-242	-195	50
9	<-1474	500	411	249	301	384	121	115	59	71	112	164
10	92	227	61	153	81	201	130	152	81	115	139	158
11	107	>522	>322	187	62	109	124	143	65	71	90	124
12	<-31	104	Z±	---	74	109	136	127	105	96	-6	-71
13	---	---	---	---	124	127	186	124	174	245	201	87
14	---	172	64	-6	87	124	105	-139	87	121	220	214
15	92	153	Z±	64	50	186	360	273	139	109	124	109
16	104	163	92	153	146	<-775	133	152	25	93	102	112
17	193	138	147	184	109	<-1116	124	93	115	171	109	93
18	120	147	307	<-445	43	93	112	-12	109	56	>248	<155
19	138	Z±	169	193	62	65	198	133	56	74	102	37
20	123	166	230	169	50	62	65	158	74	133	295	329
21	104	126	Z±	Z±	102	233	87	-102	270	301	558	384
22	>261	>322	Z±	92	59	127	195	77	341	459	791	543
23	95	153	261	147	81	118	152	149	372	201	>325	301
24	111	123	276	193	77	112	139	155	155	158	152	127
25	117	157	144	<-445	62	62	105	50	118	155	105	124
26	80	123	<-936	-190	-43	-3	155	139	105	164	167	205
27	206	261	273	<-322	102	279	155	180	171	155	211	214
28	273	>1243	80	319	Z±	161	152	146	155	109	118	105
29	101	-178	276	52	59	93	102	77	87	180	198	-279
30	-104	31	0	92	---	---	---	---	136	186	251	220
31	92	117	169	209	---	---	---	---	-3	12	84	130
(a)	120	211	174	164	118	160	191	179	125	165	196	180
(b)	58	51	119	106	102	154	167	136	117	144	186	155
Mean		(a) 167		(b) 83		(a) 162		(b) 140		(a) 167		(b) 151

Day	APRIL Factor 1·29				MAY Factor 1·29				JUNE Factor 1·29			
	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	78	115	56	144	66	97	125	203	88	28	63	189
2	90	106	97	122	172	178	268	256	98	189	Z±	129
3	78	109	134	119	530	122	237	131	63	95	252	129
4	-94	47	78	87	200	144	94	215	95	113	120	126
5	>250	62	112	97	122	100	109	103	69	126	142	110
6	<-265	109	109	112	>374	156	84	144	98	95	88	66
7	122	78	209	212	94	109	128	134	35	79	91	28
8	125	75	94	106	106	147	125	172	60	88	79	324
9	75	103	112	109	153	200	172	184	117	151	157	110
10	62	62	81	90	197	97	97	125	142	157	139	202
11	69	90	81	94	115	109	131	150	186	221	173	117
12	90	100	119	172	153	81	12	-3	54	82	88	123
13	109	140	128	94	87	137	87	187	101	142	221	126
14	78	78	62	109	25	115	218	218	142	139	151	173
15	62	97	109	175	156	253	187	243	135	107	31	198
16	90	109	125	144	159	178	243	193	113	356	283	208
17	119	94	122	75	203	144	243	243	375	164	425	454
18	94	<-140	59	Z±	75	87	197	-119	397	(473)	504	882
19	218	<-125	<-187	150	94	197	203	140	583	(630)	473	819
20	Z±	109	109	100	94	90	72	125	567	441	95	173
21	94	112	156	Z±	94	112	140	147	76	186	362	378
22	156	122	106	153	103	9	119	184	224	217	312	208
23	109	90	94	97	109	112	78	106	132	343	161	274
24	94	62	94	156	66	125	90	144	208	283	186	142
25	218	125	125	268	90	122	97	122	113	224	139	205
26	153	200	250	94	137	184	50	78	161	110	211	189
27	97	90	119	206	78	62	47	72	85	120	98	126
28	109	309	203	50	53	-16	115	115	79	110	54	154
29	119	137	137	165	109	-593	94	97	95	142	309	170
30	119	144	109	0	78	0	34	>156	104	221	239	252
31	---	---	---	---	109	Z±	<-515	90	---	---	---	---
(a)	114	110	117	125	136	124	130	154	160	194	195	226
(b)	97	112	119	127	130	97	135	142	162	195	195	229
Mean		(a) 117		(b) 114		(a) 136		(b) 126		(a) 194		(b) 195

Note:- The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the notation Z is used
(a) Mean of all positive readings (b) Mean from all complete days using both positive and negative readings

POTENTIAL GRADIENT (reduced to level surface): **VOLTS PER METRE**
Mean values for periods of sixty minutes, ending at exact hours, Greenwich Mean Time

1 LERWICK 1936

Day	JULY Factor 1·30				AUGUST Factor 1·29				SEPTEMBER Factor 1·25			
	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	424	287	239	163	137	149	109	124	114	105	105	138
2	118	255	166	399	87	320	93	121	108	123	147	162
3	364	169	380	348	-529	-171	-103	121	138	135	75	162
4	220	236	166	115	78	109	65	103	9	150	180	456
5	156	124	239	163	78	56	68	72	255	111	300	255
6	153	255	112	201	47	50	78	112	225	342	276	207
7	73	431	96	319	143	146	152	280	234	150	144	204
8	274	207	-255	255	351	124	165	267	126	186	177	342
9	70	26	159	169	124	124	100	140	180	228	210	252
10	156	204	195	153	81	56	93	118	102	54	75	102
11	144	-41	223	332	87	131	218	227	81	264	270	234
12	233	211	290	383	121	168	155	128	330	264	222	144
13	258	268	207	191	93	180	112	211	189	438	495	441
14	223	351	108	128	106	190	128	473	219	204	225	216
15	159	223	198	<-1132	510	619	367	557	195	237	294	405
16	172	204	64	112	529	610	454	488	315	270	300	465
17	121	96	124	153	323	386	218	128	264	177	228	207
18	156	345	-351	169	109	140	155	137	93	99	165	204
19	128	112	6	128	78	140	233	106	165	267	144	255
20	48	236	<6	159	165	376	233	327	249	174	168	252
21	Z±	159	124	128	109	134	78	149	102	153	186	342
22	118	182	191	169	121	174	180	205	252	150	138	132
23	147	163	128	223	152	264	239	193	96	90	105	186
24	191	577	271	392	112	124	112	124	93	123	75	99
25	242	207	159	255	109	140	90	140	123	123	138	135
26	185	319	223	163	109	115	152	258	87	30	-546	-180
27	64	159	(96)	(128)	258	271	131	264	90	114	138	174
28	134	201	172	284	314	463	155	292	117	114	105	117
29	191	156	140	128	295	236	109	87	84	141	108	111
30	128	112	159	226	90	140	109	109	48	78	87	105
31	-271	494	96	115	118	131	109	143	---	---	---	---
(a)	174	232	163	208	168	209	155	200	156	170	182	224
(b)	163	225	136	213	145	197	147	200	156	170	158	211
Mean	(a) 194			(b) 184	(a) 183			(b) 172	(a) 163			(b) 174

Day	OCTOBER Factor 1·25				NOVEMBER Factor 1·27				DECEMBER Factor 1·28			
	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	79	97	136	124	101	86	107	-258	Z±	102	>1054	245
2	70	88	76	130	86	92	114	-507	295	155	124	>279
3	112	121	139	179	138	107	107	89	96	133	105	-74
4	115	103	124	164	43	144	Z±	181	62	186	155	183
5	91	115	115	239	111	196	169	166	87	81	96	124
6	48	124	121	188	117	114	107	224	74	115	127	105
7	88	124	127	151	163	71	-126	169	90	155	171	158
8	61	115	73	124	153	34	215	196	112	74	>263	139
9	61	82	151	106	129	166	181	114	71	155	143	28
10	36	103	139	85	74	92	-25	111	167	40	130	161
11	94	91	115	133	111	101	126	132	136	369	118	171
12	76	136	109	182	92	132	61	157	74	-77	47	180
13	>15	70	>142	91	89	(132)	120	215	130	183	152	155
14	45	79	121	209	77	101	Z±	316	-350	183	155	310
15	100	33	124	394	107	153	>316	196	<118	Z±	146	149
16	Z±	Z-	106	121	61	107	255	147	-105	121	139	>853
17	27	139	<121	145	89	163	215	169	93	(465)	-102	-15
18	0	67	<-394	142	107	332	230	163	31	96	109	Z±
19	82	94	<-242	121	120	129	138	89	50	620	152	-217
20	39	70	121	-73	49	153	135	123	121	161	0	139
21	45	76	151	106	80	101	172	215	118	124	406	220
22	106	179	203	145	166	181	200	157	127	171	Z±	136
23	103	191	106	130	157	126	193	292	99	105	77	139
24	112	Z±	164	170	230	141	307	304	62	Z±	189	77
25	212	148	Z-	124	89	71	74	233	136	124	143	155
26	Z±	106	<-242	182	68	83	<-261	239	109	124	127	124
27	-48	-12	212	212	135	114	120	147	112	62	205	155
28	230	185	76	121	95	101	117	-691	205	167	304	205
29	88	55	21	151	-117	71	80	123	167	171	295	198
30	97	161	121	212	107	74	>307	Z±	136	171	217	112
31	103	103	64	(121)	---	---	---	---	77	155	257	205
(a)	83	109	121	157	108	122	167	179	113	170	193	189
(b)	80	105	119	154	105	125	136	91	90	173	151	127
Mean	(a) 117			(b) 115	(a) 144			(b) 114	(a) 166			(b) 135
Annual Means								(a)	131	165	165	182
								(b)	117	145	147	158
									(a) 161			(b) 142

The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the notation Z is used
(a) Mean of all positive readings (b) Mean from all complete days using both positive and negative readings

POTENTIAL GRADIENT (reduced to level surface): DIURNAL INEQUALITIES (in volts per metre)
The departures from the mean of the day are adjusted for non-cyclic change†
*0a DAYS ONLY

2 LERWICK 1936

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	† Non-cyclic Change	No. of Days Used.	Mean Values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m		v/m
Jan.	-39	-42	-48	-59	-60	-70	-47	-57	-24	-23	-31	- 7	+99	+41	+83	+143	+73	+69	+56	+25	+ 7	- 1	-32	-55	+11	2	170
Feb.	-28	-29	-40	-31	-33	-25	-15	- 3	+15	- 9	+ 3	- 5	+ 1	+ 1	+28	+27	+39	+46	+34	+44	+12	+ 1	-15	-19	-14	8	164
Mar.	-32	-43	-47	-38	-30	-28	-28	-19	- 8	-15	+ 5	+ 7	+41	+51	+66	+28	- 7	+15	+37	+56	+24	+ 7	-15	-26	+ 4	10	205
Apl.	- 5	-29	-34	-36	-41	-31	-20	- 8	-18	-12	-18	- 7	+ 3	+15	+21	+18	+19	+24	+25	+38	+39	+24	+19	+13	-49	6	114
May	+37	+35	+13	- 8	-15	-13	+ 2	+ 9	- 3	-22	-36	-38	-25	-10	- 5	- 3	+ 1	+ 6	0	- 2	+ 8	+ 8	+18	+47	+17	13	159
June	+ 1	-15	-31	-23	-20	-28	-12	- 8	+ 5	+16	+28	+17	+15	+28	+17	- 4	+ 1	-12	- 8	- 2	+ 3	+14	0	+16	- 4	16	203
July	+12	-19	-26	-22	-13	+ 3	-19	-17	-21	-19	-23	-12	-12	+15	+ 5	+11	+ 2	+ 8	+22	+13	+31	+33	+32	+17	-12	10	203
Aug.	-19	-14	-14	-24	-14	+25	+35	+23	+15	+26	-10	- 5	-19	-23	-26	-27	-23	-21	- 9	+18	+38	+49	+20	- 1	+ 8	14	193
Sept.	- 1	-23	-25	-20	-20	-18	-13	+27	- 4	+ 4	-11	-33	-35	-20	- 5	+17	+ 9	+28	+37	+47	+38	+15	+12	- 5	0	17	190
Oct.	-16	-28	-32	-34	-36	-28	-19	-20	- 4	- 5	- 2	-11	- 3	- 1	+ 7	+12	+29	+47	+45	+35	+34	+26	+ 8	- 4	+ 5	11	118
Nov.	+ 7	- 7	-27	-44	-49	-53	-55	-51	-49	-32	-47	-36	-22	+17	+30	+68	+46	+65	+87	+56	+53	+27	+23	- 5	+ 6	4	187
Dec.	-10	-25	-27	-20	-18	-21	-19	-24	-29	-24	-18	+12	+26	+35	+31	+24	+14	+13	+21	+25	+15	+22	+ 2	- 6	-33	3	148
Year	- 8	-20	-28	-30	-29	-24	-17	-12	-10	-10	-13	-10	+ 6	+12	+21	+26	+17	+24	+29	+29	+25	+19	+ 6	- 2	- 5	114	171
Winter	-17	-26	-35	-39	-40	-42	-34	-34	-22	-22	-23	- 9	+26	+23	+43	+65	+43	+48	+49	+37	+22	+12	- 5	-21	- 7	17	167
Eqnx.	-13	-31	-35	-32	-32	-26	-20	- 5	- 9	- 7	- 7	-11	+ 1	+11	+22	+19	+13	+29	+36	+44	+34	+18	+ 6	- 5	-10	44	157
Summer	+ 8	- 3	-15	-19	-15	- 3	+ 1	+ 2	- 1	0	-10	- 9	-10	+ 3	- 2	- 6	- 5	- 5	+ 1	+ 7	+19	+26	+17	+20	+ 2	53	189

† See page 23.

3 LERWICK *1a AND 2a DAYS ONLY 1936

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	† Non-cyclic Change	No. of Days used	Mean Values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m		v/m
Jan.	-21	-10	-18	- 8	-32	-26	-76	-34	+ 9	+16	+ 1	+29	+ 1	+26	+19	+12	+18	+12	+32	+ 9	+21	- 5	-20	+45	- 5	4	96
Feb.	-18	-14	-10	-75	-85	- 1	-10	+ 8	+38	+34	+35	+28	+15	+10	+11	+26	+48	+72	+18	+ 5	- 5	-27	-47	-56	+59	5	137
Mar.	+14	+ 7	0	-10	-11	-13	- 3	+ 5	+11	+11	-22	-53	-41	-21	+14	+ 4	-14	-15	+16	+14	+17	+79	+15	- 5	+13	7	98
Apl.	+ 8	+ 1	+ 4	+ 3	-41	-12	- 3	- 6	- 8	- 2	+ 6	-10	-19	-19	- 9	+ 3	- 1	+17	-12	+ 8	+19	+44	+22	+ 6	+ 5	3	106
May	+ 5	+ 9	+ 1	+ 6	+10	+ 1	- 8	-28	-26	-27	-16	-10	- 3	- 1	- 3	- 3	- 4	+ 8	+ 6	+34	+28	+ 2	+13	+ 6	+13	9	107
June	+36	- 6	-33	-25	- 5	-23	+ 4	- 1	- 4	-19	-28	- 2	-35	-26	-16	-12	- 2	+13	+13	+25	+33	+37	+46	+30	+ 8	9	126
July	- 2	+13	- 3	-36	-22	+11	+24	+54	+49	+53	+ 9	-67	-51	-26	-19	-28	- 9	-11	+32	+27	+31	+10	-28	-14	-40	8	183
Aug.	+11	- 5	+21	+ 7	- 4	+21	+26	+24	+48	- 5	-12	-21	-30	-64	-22	-11	-31	-15	-10	- 5	+23	- 2	+26	+32	+50	10	142
Sept.	+27	-34	-34	-56	-26	-27	+ 3	+ 8	-20	-23	-25	-24	-18	- 6	-18	-14	-10	+ 1	+ 3	+32	+80	+61	+66	+55	-21	7	139
Oct.	-15	- 9	-19	-19	+ 5	+19	+51	+37	- 4	-37	-13	+12	- 8	+23	-19	+32	- 2	+26	+23	+12	+15	-11	-45	-55	+59	4	113
Nov.	- 6	-30	-36	-62	-35	-30	-53	-14	+30	+36	+38	+25	+13	+24	+12	+17	- 6	+ 6	+39	+43	- 1	- 6	+ 3	- 5	- 5	7	131
Dec.	-28	-22	-23	-14	-19	-10	+ 5	+ 3	+ 3	-38	-28	-44	-14	- 5	+33	+65	+17	+ 2	+45	+63	+45	+24	-11	-47	-55	10	111
Year	+ 1	- 8	-13	-24	-22	- 7	- 3	+ 5	+11	0	- 5	-11	-16	- 7	- 1	+ 8	0	+10	+17	+22	+25	+17	+ 3	- 1	+ 7	83	124
Winter	-18	-19	-22	-40	-43	-17	-33	- 9	+20	+12	+11	+ 9	+ 4	+14	+19	+30	+19	+23	+33	+30	+15	- 3	-19	-16	- 1	26	119
Equinox	+ 9	- 9	-12	-21	-18	- 8	+12	+11	- 5	-13	-13	-19	-21	- 6	- 8	+ 6	- 7	+ 7	+ 7	+17	+33	+43	+15	0	+14	21	114
Summer	+13	+ 3	- 3	-12	- 5	+ 3	+11	+12	+17	+ 1	-12	-25	-30	-29	-15	-13	-11	- 1	+10	+20	+29	+12	+14	+13	+ 8	36	139

* Note for explanation of 0a, 1a, 2a Days, see page 55.

ELECTRICAL CHARACTER OF EACH DAY, AND APPROXIMATE DURATION OF NEGATIVE POTENTIAL GRADIENT

Day	January		February		March		April		May		June		July		August		September		October		November		December	
	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.	Character	Duration of negative pot. grad.
		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.
1	2b,	9·5	1b	3·1	1c	0·7	1b	1·3	1a	0·1	1b	3·0	1a	0·1	0a	...	0a	...	0a	...	1b	2·1	1c	1·4
2	2c	8·5	1b	0·8	1a	0·2	0a	...	0a	...	2b	4·8	0a	...	1a	0·1	0a	...	0a	...	1b	2·7	1c	1·1
3	1a	0·6	1b	0·1	1b	0·1	0a	...	0a	...	0a	...	0a	...	2b	14·5	1a	0·2	0a	...	1b	1·1	2b	3·5
4	1b	1·1	1b	0·7	1b	2·8	1b	1·3	0a	...	1a	0·1	0a	...	1a	0·8	1a	0·8	0a	...	1c	1·1	2c	3·1
5	1a	0·1	0a	...	1b	1·6	1b	1·3	1b	0·2	1a	0·2	0a	...	1a	0·3	1b	0·2	0a	...	1b	0·7	0a	...
6	2b	5·2	0a	...	2b	3·9	1b	2·7	1b	0·7	1a	1·4	1b	0·8	0a	...	0a	...	0a	...	1b	1·3	1a	0·6
7	2b	5·3	2b	3·7	2c	6·1	0a	...	1a	0·2	1b	1·3	1a	1·8	0a	...	0a	...	0a	...	2b	3·4	1a	2·3
8	1a	1·4	0a	...	2c	12·3	1a	0·6	0a	...	1a	0·1	2b	4·6	1a	2·0	0a	...	0a	...	1b	2·7	1c	1·9
9	2b	4·8	1a	0·1	1a	0·1	1b	0·3	0a	...	1a	1·1	1a	2·8	0a	...	0a	...	0a	...	1a	0·1	1a	0·9
10	2b	5·3	0a	...	0a	...	1b	0·7	0a	...	0a	...	0a	...	0a	...	1a	0·1	1b	0·4	1a	1·0	1a	0·7
11	1c	1·1	1a	0·3	0a	...	1b	0·5	0a	...	0a	...	1b	1·6	0a	...	0a	...	0a	...	1a	0·1	1a	2·3
12	(2b)	-	0a	...	2a	8·4	0a	...	2a	4·4	1a	0·7	0a	...	1a	0·9	1b	1·8	1b	1·1	1b	1·4	2a	7·6
13	(1c)	-	0a	...	0a	...	0a	...	1a	0·1	0a	...	1a	1·2	0a	...	1b	0·6	1b	1·7	0a	...	1b	0·3
14	(1b)	-	2b	4·5	1a	0·9	1a	0·1	1b	1·3	0a	...	1b	1·0	1a	0·1	0a	...	1a	0·5	2b	3·3	2b	4·3
15	1b	1·7	1a	2·6	(0a)	...	1b	0·7	0a	...	1a	2·2	2b	5·9	0a	...	0a	...	1c	2·5	1b	2·2	1c	0·7
16	0b	...	2b	3·6	2b	4·1	1b	1·0	0a	...	0a	...	1a	0·1	0a	...	0a	...	1b	0·5	1b	1·1	2b	3·2
17	1b	0·3	2b	3·7	1a	0·1	1b	0·8	1a	0·9	0a	...	0a	...	1b	1·2	0a	...	2b	3·7	1a	0·2	1b	3·0
18	1c	1·9	2b	5·7	1b	0·7	1c	1·6	2b	5·9	(0a)	...	1b	1·9	1b	2·2	0a	...	2c	5·9	1a	0·1	1b	1·4
19	1b	0·7	1b	2·4	1a	0·7	1c	2·1	0a	...	0a	...	2b	4·3	1a	0·1	0a	...	1b	2·7	1a	0·6	2c	5·1
20	0a	...	1a	0·8	0a	...	1b	0·6	1a	0·6	0a	...	1b	1·3	1b	0·5	0a	...	2b	8·5	2a	3·1	1b	2·0
21	1c	2·1	2b	5·5	0a	...	1b	0·7	1b	0·4	0a	...	1b	2·5	1a	0·1	1a	0·1	1a	0·9	0a	...	1c	1·3
22	2c	3·2	2c	4·9	0a	...	1b	0·3	1a	0·3	0a	...	0a	...	0a	...	1a	0·2	0a	...	0a	...	1c	1·2
23	1b	1·5	0a	...	0b	...	0a	...	0a	...	0a	...	1a	0·3	1b	1·9	1a	0·4	1a	1·0	0a	...	1a	0·1
24	0a	...	0a	...	0a	...	1b	1·2	0a	...	0a	...	1b	0·8	1a	0·1	1a	0·7	2c	4·8	0a	...	1c	1·4
25	1b	2·0	1b	0·6	0a	...	1b	1·8	0a	...	0a	...	1a	0·5	0a	...	1b	0·3	2c	3·1	1b	1·6	1a	0·1
26	2c	10·1	2c	3·1	0a	...	1b	0·9	1b	2·9	0a	...	1a	0·2	0a	...	2b	11·5	1c	2·9	1b	1·9	0a	...
27	1b	1·8	1c	1·5	0a	...	1b	1·0	1a	0·4	0a	...	(0a)	...	0a	...	1b	0·7	2c	7·0	1b	2·4	1a	0·3
28	1c	1·9	2c	7·9	1a	0·9	2b	3·1	1a	2·7	1a	0·1	0a	...	1a	0·1	0a	...	1c	0·9	2b	6·3	0a	...
29	2c	5·7	1a	0·1	1b	2·9	1a	0·1	2b	3·3	0a	...	0a	...	1b	2·2	0a	...	1a	1·1	2b	5·8	1b	0·3
30	2b	9·0			1b	2·3	1b	1·2	2c	5·1	1a	0·2	1b	2·9	1b	1·3	0a	...	1b	0·7	1c	1·8	1a	2·7
31	1a	0·9			2b	6·1			2c	4·4			2b	5·1	0a	...			(1b)	-			1b	3·0
Total	39	85·7	30	55·7	25	54·9	25	25·9	23	33·9	13	15·2	24	39·7	18	28·4	14	17·6	26	49·9	30	48·1	34	55·8
No. of days used	31	28	28	28	31	31	30	30	31	31	30	30	31	31	31	31	30	30	31	30	30	30	31	31
Mean	1·26	3·1	1·07	2·0	0·81	1·8	0·83	0·9	0·74	1·1	0·43	0·5	0·77	1·3	0·58	0·9	0·47	0·6	0·84	1·7	1·00	1·6	1·10	1·8

Annual Values :-

	0	1	2
Character Frequency	121	189	56

Mean Character Figure 0·82 (366 days)

Duration of negative pot. grad: Total 510·8 hrs.
No. of days 362
Mean 1·41

Explanatory Note:- The electrical character of the day is indicated by the figures 0, 1, or 2, according to the character of the trace of the electrograph as regards negative potential gradient. The explanation of these symbols is as follows:-

0, denotes a day during which from midnight to midnight no negative potential was recorded

1, denotes a day with excursions to the negative not amounting in the aggregate to more than three hours.

2, denotes negative potential extending in the aggregate over three hours or more.

a, denotes that within the 24 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation, there was in no case a range of potential gradient in the open exceeding 1000 volts.

b, denotes that a range of potential gradient in the open exceeding 1,000 voltsbwas reached in at least one but in fewer than six of the 24 hourly periods referred to above.

c, denotes that a range of 1,000 volts or more occurred in at least six of the 24 hourly periods.

11.3 B.1936.012.01.BB1140 GREEN

56 10.5

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — JANUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	441	435	435	435	432	433	433	432	429	430	431	432	431	437	439	438	438	442	446	447	445	443	442	442	437
2	440	441	439	438	436	437	437	437	434	435	435	435	437	441	441	443	443	446	446	445	444	449	446	443	440
3 Q	439	442	441	437	439	438	438	438	437	434	433	433	432	436	441	441	437	441	445	444	448	445	444	446	440
4 Q	443	441	441	440	440	440	440	439	437	434	432	431	430	435	438	439	440	443	451	446	447	450	449	446	441
5	444	442	442	443	443	442	444	444	443	443	437	437	433	432	434	436	442	444	446	448	448	448	448	445	442
6 Q	443	442	442	444	446	449	450	451	448	444	444	438	436	439	441	443	444	447	448	448	449	450	449	446	445
7 Q	445	445	446	448	449	449	448	447	442	436	434	433	436	440	443	445	448	450	451	453	451	453	452	449	446
8 D	449	447	445	450	457	464	460	446	445	444	443	438	429	427	432	426	425	430	423	429	433	437	441	443	440
9	442	433	433	438	451	456	446	438	427	428	419	420	428	432	434	430	438	441	437	434	403	414	421	427	432
10	423	431	434	437	447	448	450	441	441	435	417	415	429	428	438	439	431	434	455	421	431	436	432	435	435
11	432	433	435	436	441	442	443	445	437	422	431	432	426	435	432	433	445	437	441	444	444	443	442	442	437
12	442	449	437	424	446	455	444	445	445	440	426	417	413	423	424	438	435	438	436	454	432	429	433	437	436
13	438	434	432	440	442	454	446	437	436	432	434	431	432	434	441	425	435	442	442	432	418	422	431	441	435
14	433	427	427	430	436	443	442	438	434	419	421	419	428	437	439	443	442	434	438	442	443	441	450	435	435
15	437	434	436	439	433	445	448	447	434	436	438	432	435	438	438	440	442	441	447	443	445	445	443	437	440
16 Q	438	441	443	445	447	449	449	449	448	440	438	432	430	432	435	439	442	444	443	445	444	444	436	436	441
17	428	433	436	435	452	452	452	450	446	436	428	423	425	430	434	440	444	446	447	448	448	443	438	438	440
18 D	445	447	447	428	426	456	453	449	444	439	422	422	420	424	440	444	450	437	438	442	430	440	441	446	439
19	427	433	433	430	433	438	438	444	439	439	437	432	431	430	427	433	443	437	438	434	428	433	437	438	435
20	437	438	440	437	438	442	442	438	433	433	435	432	431	437	439	441	441	441	437	436	440	420	428	437	436
21	436	440	428	431	437	435	437	437	437	439	439	437	431	432	436	430	442	450	450	455	450	425	429	458	438
22	417	421	425	433	438	437	442	444	438	446	435	424	424	439	447	449	447	443	443	444	436	437	431	426	436
23	440	435	435	434	431	432	434	431	427	438	438	438	435	437	436	442	444	443	444	446	444	442	442	438	438
24 D	428	414	425	427	427	430	431	436	434	435	431	432	431	429	430	433	444	459	542	714	599	493	473	358	456
25 D	416	420	411	395	374	398	417	429	422	413	421	421	411	417	426	430	436	427	426	426	422	425	427	426	418
26 D	409	387	412	414	426	417	411	414	407	410	403	406	405	427	423	430	424	435	435	436	437	429	419	432	419
27	430	428	430	428	423	428	424	429	430	429	425	422	425	428	426	429	435	430	437	435	434	435	452	426	430
28	430	428	415	412	431	436	421	434	429	430	426	423	426	425	429	432	433	437	437	441	429	433	434	437	429
29	436	436	436	435	434	436	437	436	436	434	436	435	432	433	433	438	444	438	434	436	428	434	440	426	435
30	425	431	429	426	435	434	441	443	434	434	425	421	413	425	429	431	442	437	439	443	445	439	421	422	432
31	425	428	434	433	435	434	434	431	425	427	426	422	417	425	430	437	437	440	443	437	442	434	451	438	433
Mean	434	433	434	433	436	440	440	439	435	433	430	428	427	432	435	437	440	440	445	450	443	439	439	435	437

11.3 B1936/011/01/BB 1813.
10.5

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

6 LERWICK (D) — 13° + — JANUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	2·0	1·1	0·9	1·3	3·0	1·9	2·4	3·1	3·6	4·6	6·2	6·3	6·5	6·8	6·5	5·3	5·5	5·4	2·2	3·6	4·2	3·2	2·6	3·2	3·8
2	2·6	2·9	2·0	1·4	1·9	2·1	2·4	2·6	3·2	4·2	5·0	5·5	5·9	5·3	5·2	5·0	5·2	4·2	4·5	4·9	3·9	3·9	3·4	2·8	3·7
3 Q	2·2	1·3	1·5	2·2	2·2	2·2	2·4	2·5	2·9	3·7	4·2	4·4	4·4	5·4	5·2	5·4	5·9	4·9	4·5	3·5	1·3	3·2	2·9	2·6	3·4
4 Q	0·3	1·6	1·5	1·7	1·9	2·2	2·4	2·5	2·6	3·3	3·8	4·2	4·5	5·5	4·8	4·5	4·6	4·6	5·0	4·8	3·1	3·7	2·6	2·7	3·3
5	2·4	1·2	2·4	2·7	2·3	3·0	2·0	2·3	4·0	2·5	1·4	4·1	5·9	5·6	5·1	4·8	4·7	4·6	4·2	3·8	3·2	3·2	3·1	2·7	3·4
6 Q	2·6	2·3	2·2	1·5	1·9	2·7	2·8	2·7	2·7	3·0	4·5	4·7	5·9	6·7	7·2	6·4	6·5	6·2	4·7	3·7	2·7	2·3	2·4	2·4	3·8
7 Q	2·3	2·9	3·4	4·0	3·3	3·2	2·9	2·6	2·3	1·8	2·7	3·9	5·3	6·0	5·6	4·8	4·7	4·2	4·0	3·2	2·9	2·7	2·5	1·3	3·4
8 D	1·2	1·7	3·1	3·0	2·7	2·7	1·6	2·5	2·9	3·6	5·0	6·1	9·0	8·8	12·8	11·4	9·0	6·3	3·9	3·3	1·0	0·5	-0·8	0·2	4·2
9	-0·7	0·4	2·1	6·6	2·4	2·5	3·4	4·6	5·2	7·0	5·6	5·7	6·2	6·4	6·1	4·7	3·7	5·7	3·6	-0·3	-6·9	-6·3	-1·0	0·4	2·8
10	-0·1	3·6	3·5	3·5	3·3	4·6	6·3	4·3	2·9	4·5	6·8	9·0	8·1	10·3	5·2	6·9	7·1	3·9	11·0	-3·4	-3·3	1·3	1·8	0·9	3·3
11	2·7	4·1	3·0	3·2	2·4	2·6	2·4	2·7	2·8	7·6	7·8	7·6	6·1	6·7	5·8	1·6	3·0	1·8	1·9	3·3	2·3	1·9	2·1	2·3	3·7
12	2·6	5·0	-0·3	1·4	2·7	2·0	4·2	4·9	4·3	6·3	6·0	7·0	7·7	11·9	8·1	7·2	4·3	2·1	0·9	-9·6	-6·9	-2·9	-0·7	0·9	2·9
13	1·4	7·2	1·8	-2·9	-0·5	1·3	3·3	5·9	4·9	3·7	6·1	5·1	7·1	4·3	6·1	4·3	2·7	5·3	-4·1	-3·9	-6·7	-1·5	-1·4	-1·1	2·0
14	-1·7	-0·8	-1·3	-0·7	-0·5	1·0	2·3	2·4	3·5	3·0	4·9	4·6	4·2	5·1	5·5	4·7	4·4	3·7	4·2	4·4	2·7	2·3	-5·8	-2·2	2·1
15	-2·9	1·3	2·1	2·9	2·4	3·1	3·0	3·2	3·9	2·6	4·2	4·3	4·8	6·3	5·3	4·3	3·6	1·9	3·2	2·6	2·2	2·4	-0·5	-0·5	2·7
16 Q	0·9	2·8	3·2	3·2	3·2	3·1	3·0	2·6	2·3	2·5	2·4	3·4	5·0	6·0	5·5	5·0	4·1	3·9	3·2	2·7	2·3	2·4	-0·1	-2·7	2·9
17	1·0	1·0	0·9	3·5	0·3	-1·0	1·5	1·7	2·4	2·2	2·7	3·7	5·3	5·6	5·2	4·5	4·0	3·7	3·3	3·3	3·0	2·9	1·5	0·2	2·6
18 D	2·2	2·9	2·3	4·5	8·0	-3·3	-1·5	1·9	1·7	4·1	5·4	9·3	9·1	12·7	9·2	10·0	8·8	6·6	-0·5	5·1	0·3	1·8	0·9	-3·4	4·1
19	-2·5	-1·9	-0·5	1·0	0·5	1·0	1·4	2·5	2·5	3·4	3·9	4·6	5·1	8·0	7·9	6·7	6·9	5·5	2·3	-7·0	-2·0	1·9	2·7	3·0	2·4
20	2·3	2·8	2·9	2·0	2·8	2·8	2·5	2·4	2·4	3·6	4·4	5·1	5·2	6·6	6·6	7·1	7·7	9·1	9·1	7·6	0·0	-3·1	-0·3	0·8	3·9
21	0·9	-2·7	-0·1	0·6	-1·5	1·3	1·0	1·5	2·6	3·2	2·8	2·7	4·2	7·3	8·1	7·0	6·6	7·6	8·1	7·5	6·2	-2·1	0·0	-4·6	2·8
22	-6·1	-6·8	-7·1	-7·8	-5·2	-2·8	-1·0	0·7	2·8	6·5	6·6	5·3	9·1	9·9	9·9	10·0	11·2	12·2	7·1	9·3	8·5	2·3	-4·3	-5·0	2·7
23	-4·8	-3·1	-2·5	-5·0	-0·6	3·7	2·0	1·0	5·7	5·3	5·2	4·9	6·6	6·3	5·8	5·9	5·3	5·1	4·3	4·2	3·1	2·6	2·9	1·5	2·7
24 D	-1·8	-10·4	-6·9	-1·1	0·5	1·9	1·7	2·6	3·0	3·7	3·6	5·1	5·3	6·5	6·0	6·0	5·6	10·5	13·9	28·4	15·2	4·3	-5·6	-7·0	3·8
25 D	-8·5	-1·2	1·8	-0·2	-1·9	-3·4	-0·4	1·6	3·3	3·8	6·7	7·3	6·5	8·8	12·3	7·9	4·3	4·9	2·7	3·2	1·7	1·2	1·3	-1·1	2·6
26 D	-8·8	-9·9	-5·0	-6·9	-5·6	-1·6	2·5	7·5	6·3	6·9	5·7	10·7	6·4	8·5	7·1	5·1	4·3	4·4	2·6	2·0	2·8	-15·1	-1·2	2·0	1·3
27	1·2	1·8	3·4	-2·2	-0·6	1·6	1·5	0·0	1·3	2·2	3·1	4·7	5·3	8·1	8·6	7·5	5·6	2·4	3·1	3·1	1·9	1·2	-3·3	-2·2	2·5
28	-3·1	-0·7	-2·2	-1·5	-3·1	-0·1	5·7	2·6	0·8	2·8	3·5	3·6	7·2	4·8	6·3	5·9	3·7	4·4	3·7	3·9	1·2	2·2	2·4	2·3	2·3
29	1·9	1·6	0·9	1·6	1·4	1·7	1·5	2·0	2·8	3·6	4·1	4·4	3·9	4·0	3·6	4·0	5·7	4·7	3·1	3·6	-4·7	1·7	0·2	-2·9	2·3
30	-1·0	-1·2	-1·7	-0·7	-2·4	-2·5	3·2	2·1	3·0	5·1	5·6	7·1	7·3	6·3	5·4	3·1	6·4	5·4	5·4	4·4	-0·2	-0·7	-1·3	-1·2	2·4
31	-3·0	-8·3	-2·5	-0·1	0·6	1·1	0·8	1·3	2·2	2·6	4·5	5·9	5·3	5·7	5·5	5·9	4·3	2·4	4·8	4·0	-1·0	-0·7	2·1	-0·6	1·8
Mean	-0·4	0·1	0·5	0·7	0·9	1·3	2·2	2·7	3·1	4·0	4·7	5·5	6·1	7·0	6·7	5·9	5·5	5·1	3·5	3·5	1·4	0·7	0·4	-0·1	3·0

11 3 B1986 013 01 BB460 BLUE.
10.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

7 LERWICK (V) — 46,000 γ (·46 C.G.S.Unit) + — JANUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	783	772	774	777	781	784	786	787	788	787	787	785	784	784	784	784	784	784	787	786	785	787	789	786	784
2	787	784	783	783	781	781	783	784	785	785	785	785	784	782	781	781	783	785	785	785	788	785	788	789	784
3 Q	790	788	784	783	782	782	782	784	785	786	791	792	791	784	783	783	785	784	784	786	785	784	786	785	785
4 Q	786	786	785	783	782	781	782	783	785	788	790	790	787	784	784	784	784	783	781	785	787	786	787	789	785
5	789	789	787	785	784	783	781	782	780	781	785	786	787	786	786	786	785	784	783	783	784	785	785	788	785
6 Q	788	789	788	786	783	781	780	780	781	782	784	788	788	786	787	788	789	787	787	787	787	786	786	786	786
7 Q	787	786	785	784	782	782	781	781	781	783	782	784	784	784	784	786	786	784	783	782	782	781	783	785	783
8 D	785	784	786	785	782	778	778	780	779	777	780	783	792	807	812	819	822	820	828	809	800	790	781	761	792
9	734	759	770	762	766	770	777	780	782	780	785	788	787	787	793	799	797	802	812	827	820	793	766	751	783
10	752	768	780	786	784	783	777	783	781	779	784	787	791	805	825	819	821	821	818	805	805	794	791	789	793
11	785	785	787	789	789	788	787	785	787	784	778	783	788	790	797	805	800	804	802	793	789	786	784	782	789
12	780	758	761	772	765	767	770	768	772	774	779	783	786	794	826	817	817	812	809	794	786	785	778	774	784
13	766	754	719	750	762	764	767	772	773	779	778	781	788	797	795	810	808	798	803	798	803	792	774	759	779
14	760	755	755	762	773	777	781	787	790	793	791	790	787	786	787	787	791	800	798	793	790	791	786	782	783
15	773	773	773	774	773	773	778	781	785	786	781	784	785	786	788	790	793	794	791	793	790	787	782	780	783
16 Q	773	772	775	777	777	780	781	781	782	785	782	782	781	781	782	784	784	784	785	785	784	784	786	785	781
17	783	773	772	774	758	764	770	774	776	781	783	782	781	781	782	783	783	782	782	781	781	782	784	784	778
18 D	777	776	775	776	736	726	746	755	761	770	778	779	785	797	802	797	814	842	859	858	852	811	797	790	790
19	787	785	783	784	781	779	781	780	781	781	783	783	783	786	793	791	790	798	799	802	799	793	790	788	787
20	785	775	769	772	777	778	778	780	781	779	782	787	787	783	785	787	789	790	801	814	819	813	799	791	788
21	789	782	787	784	781	784	782	782	781	782	783	783	781	784	789	789	785	784	790	797	827	839	811	770	789
22	768	777	776	767	760	764	766	769	774	775	778	780	779	778	782	786	791	802	812	818	832	833	808	799	786
23	786	797	783	766	766	768	773	773	770	770	780	782	781	784	784	785	783	782	780	778	779	783	783	788	779
24 D	789	774	770	781	782	783	782	779	777	775	778	778	777	780	783	784	782	794	893	843	865	802	702	764	788
25 D	808	815	820	811	758	753	773	779	778	783	784	787	804	811	830	836	821	805	796	793	797	791	786	784	796
26 D	783	729	735	756	762	773	754	743	746	757	775	792	794	797	799	823	825	803	795	791	790	785	775	779	778
27	782	783	779	773	777	770	767	774	775	778	781	781	779	784	790	797	798	800	798	794	795	791	766	753	782
28	762	767	758	740	741	751	732	747	768	776	780	780	780	783	785	787	788	791	791	791	804	794	788	784	774
29	783	783	781	782	783	784	783	784	780	779	779	780	777	776	777	776	787	798	801	800	807	794	785	766	784
30	770	776	780	785	785	782	771	769	774	775	779	784	787	785	789	796	791	798	799	792	797	792	785	780	784
31	742	754	772	780	779	779	780	780	782	785	783	781	781	779	781	786	788	791	788	791	790	789	766	767	779
Mean	778	776	775	776	773	774	774	776	778	780	782	784	785	787	792	794	795	796	801	798	800	793	782	779	785

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

8 LERWICK — JANUARY, 1936

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 14,000 γ +			Horizontal Force: Minimum 14,000 γ +			Horizontal Force: Range	Declination: Maximum 13° +			Declination: Minimum 13° +			Declination: Range	Vertical Force: Maximum 46,000 γ +			Vertical Force: Minimum 46,000 γ +			Vertical Force: Range	$\frac{HR_H + VR_V}{10{,}000\gamma^2}$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	1	7	456	419	1	31	37	11	12	7·4	-1·5	1	40	8·9	22	10	790	768	1	19	22	157	0	77·7
2	21	25	458	429	9	0	29	16	8	6·4	0·2	3	21	6·2	22	49	790	780	15	40	10	89	0	78·0
3 Q	20	26	454	431	12	34	23	16	43	6·2	-1·3	20	21	7·5	11	55	794	780	4	24	14	99	0	78·0
4 Q	21	3	456	429	12	0	27	13	38	5·7	-1·6	0	20	7·3	10	40	791	780	18	20	11	90	0	77·5
5	22	29	450	429	13	28	21	12	10	6·7	0·1	1	19	6·6	0	16	790	776	8	48	14	96	0	76·7
6 Q	18	8	456	439	2	12	17	14	18	7·7	1·1	3	5	6·6	1	40	790	780	7	0	10	72	0	76·0
7 Q	17	57	459	433	11	4	26	12	43	6·2	0·8	23	23	5·4	23	40	787	781	7	40	6	66	0	75·5
8 D	23	52	478	405	12	57	73	14	2	15·4	-3·5	22	50	18·9	18	17	836	716	24	0	120	668	1	75·5
9	0	0	465	391	20	38	74	3	12	9·9	-11·8	20	54	21·7	19	34	841	715	0	2	126	697	1	76·0
10	18	25	498	404	19	38	94	13	16	13·8	-28·7	18	24	42·5	18	18	860	740	0	0	120	698	1	76·6
11	7	54	448	417	9	10	31	10	59	10·0	-4·2	18	4	14·2	18	0	815	777	10	34	38	223	1	77·2
12	19	47	473	407	12	28	66	13	55	14·9	-16·8	19	44	31·7	14	34	832	742	1	50	90	517	1	76·5
13	5	47	458	403	15	25	55	1	47	14·6	-17·2	18	56	31·8	15	30	819	707	2	18	112	604	1	75·7
14	22	23	459	414	9	55	45	10	57	6·8	-10·7	22	35	17·5	17	46	802	749	1	58	53	313	1	74·5
15	6	26	454	428	4	28	26	13	24	7·3	-4·0	0	15	11·3	17	47	796	770	0	12	26	160	0	74·0
16 Q	7	1	451	430	12	26	21	14	1	6·4	-4·3	23	13	10·7	22	53	790	772	0	49	18	114	0	73·6
17	4	35	457	423	0	34	34	13	5	6·3	-2·8	4	50	9·1	22	30	787	755	4	42	32	199	0	73·4
18 D	19	2	466	408	12	44	58	13	13	16·7	-11·7	23	19	28·4	18	4	898	714	5	5	184	945	1	72·9
19	16	52	452	421	0	15	31	14	10	11·3	-10·8	19	28	22·1	19	34	806	776	7	46	30	185	1	72·4
20	20	56	454	398	21	20	56	17	49	10·3	-8·6	20	45	18·9	20	37	826	767	2	40	59	357	1	72·4
21	23	37	496	417	21	54	79	20	9	12·4	-12·8	21	15	25·2	21	15	861	738	23	47	123	691	1	72·3
22	0	0	458	393	0	24	65	19	57	13·6	-19·4	0	35	33·0	21	49	841	749	0	0	92	525	1	72·7
23	19	14	452	421	8	35	31	8	45	7·7	-7·3	0	42	15·0	1	20	799	759	3	55	40	232	1	73·1
24 D	19	24	826	200	23	31	626	19	27	40·8	-33·4	22	15	74·2	18	40	930	564	22	26	366	2621	2	73·4
25 D	15	57	448	359	4	37	89	14	16	15·7	-10·1	0	20	25·8	15	46	849	735	4	50	114	663	1	73·1
26 D	21	16	495	373	1	38	122	11	21	15·2	-33·4	21	15	48·6	16	7	839	720	1	24	119	734	1	73·3
27	22	40	476	411	23	20	65	13	4	10·7	-8·1	22	36	18·8	18	0	803	747	23	2	56	356	1	74·0
28	19	27	446	389	3	1	57	12	30	9·4	-6·5	2	37	15·9	20	44	810	718	6	40	92	514	1	75·0
29	22	59	456	405	23	53	51	17	10	6·9	-13·9	20	25	20·8	20	21	815	762	23	15	53	322	1	75·7
30	20	54	457	402	0	5	55	11	20	9·0	-6·3	22	46	15·3	18	7	804	766	0	15	38	258	1	76·1
31	22	33	465	413	12	29	52	11	6	6·9	-11·8	1	27	18·7	19	13	794	730	0	43	64	375	1	76·0
Mean	--	--	473	405	--	--	69	--	--	10·9	-9·7	--	--	20·6	--	--	819	746	--	--	73	440	0·71	75·0
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 40 — Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56-61

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022 — 140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

9 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — FEBRUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	428	433	433	437	436	439	438	437	433	427	423	420	424	427	432	435	438	441	443	440	437	438	438	432	434
2	437	435	433	434	435	437	435	436	431	428	427	423	421	426	430	443	442	456	451	465	445	432	424	424	435
3	423	427	427	424	423	416	429	437	440	430	419	423	426	433	435	440	439	436	427	430	435	442	436	435	431
4	435	438	435	442	439	444	444	436	411	416	424	426	425	427	428	432	428	430	431	431	433	431	434	432	431
5 Q	434	435	436	436	436	432	434	439	440	433	430	429	427	422	424	430	438	438	438	440	440	438	437	433	434
6	438	440	438	440	442	446	446	443	441	435	432	428	429	431	433	434	436	433	438	438	437	434	435	438	437
7 Q	438	438	438	441	444	446	447	442	441	440	437	434	435	439	445	439	436	438	433	434	437	440	439	442	439
8	438	438	441	440	441	442	441	441	442	436	429	429	434	441	443	443	438	440	438	433	429	425	437	441	437
9	440	442	446	432	447	453	455	447	440	427	417	426	429	420	432	433	432	436	443	443	435	438	435	415	436
10	397	429	414	426	443	442	441	440	437	432	417	418	415	422	433	440	413	443	438	440	427	439	411	420	428
11	430	440	431	432	431	422	437	445	439	426	419	420	424	428	430	436	437	440	439	438	438	446	449	442	434
12	437	436	436	435	436	438	439	440	434	433	426	422	421	425	431	434	437	442	440	443	444	444	444	441	436
13 Q	444	441	440	440	441	443	444	445	443	439	430	427	426	425	427	430	434	437	443	445	444	443	443	444	438
14	448	438	439	440	441	442	445	447	446	447	436	433	431	442	453	476	447	427	434	432	426	424	419	426	439
15	427	420	427	428	424	428	432	430	427	424	420	418	419	424	440	452	422	430	428	431	433	418	414	416	426
16 D	423	431	437	440	443	445	442	432	425	419	411	384	402	447	444	449	428	458	445	454	463	458	445	441	436
17 D	426	402	419	423	411	425	427	423	422	426	429	421	434	444	459	458	477	490	479	402	418	432	414	416	432
18	423	409	415	419	419	422	422	419	424	425	419	415	418	430	426	429	442	443	434	429	429	427	429	431	425
19 D	430	433	427	428	426	423	430	420	423	428	418	402	401	420	423	467	475	464	476	461	427	356	390	415	428
20	396	382	412	421	426	425	428	431	427	421	420	416	418	419	425	421	427	434	444	433	433	434	433	423	423
21 D	419	418	426	429	436	441	424	433	441	441	432	422	432	436	425	429	450	463	465	438	444	435	433	418	435
22 D	403	402	422	423	397	418	425	432	404	392	422	424	427	422	427	447	427	430	434	441	432	459	419	422	423
23	427	415	422	434	432	430	428	427	431	424	417	415	423	430	425	443	448	440	440	441	412	425	412	419	427
24	422	425	417	420	422	424	427	426	421	414	412	415	410	414	426	432	443	434	440	436	445	448	427	430	426
25	432	432	426	431	432	433	434	434	433	427	421	419	422	431	422	436	444	438	448	431	432	430	435	433	431
26	430	422	425	423	433	430	426	433	436	425	412	396	408	425	434	455	470	468	461	455	419	425	426	442	432
27	413	411	402	422	425	424	405	424	426	414	420	422	425	433	433	432	447	450	438	430	432	436	433	430	426
28 Q	430	435	430	428	428	426	427	426	423	421	415	412	412	416	417	428	430	435	439	440	436	438	437	437	428
29	439	438	436	435	436	437	439	438	436	425	413	418	426	427	441	445	431	438	445	439	439	440	429	437	434
Mean	428	427	429	431	432	434	434	435	432	427	422	419	422	429	433	440	440	443	443	438	434	434	430	430	432

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MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

10 LERWICK (D) — 021 — 13° + — FEBRUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 Q	-1·2	1·8	-0·7	-0·8	-1·4	-1·4	-0·7	0·8	1·9	2·6	3·9	4·5	6·4	6·5	6·5	6·3	6·3	6·6	5·6	5·1	2·2	1·0	1·3	2·0	2·7
2	2·2	1·1	0·7	1·3	0·9	1·2	1·3	0·9	1·7	2·7	4·6	4·6	5·1	6·0	5·7	8·5	8·9	14·1	13·0	14·5	3·1	2·7	-0·3	-6·5	4·1
3	-3·5	-4·8	-4·3	-6·8	-7·1	-4·5	-3·1	-0·6	1·8	2·7	3·1	4·6	6·6	6·3	4·4	3·7	3·8	3·7	3·4	2·7	2·7	2·2	1·9	1·9	0·9
4	2·0	2·2	3·9	1·7	3·1	1·7	0·0	2·3	5·1	11·7	10·3	8·8	7·6	7·9	6·3	6·2	4·6	4·4	2·4	0·6	2·0	1·0	0·6	0·7	4·0
5 Q	1·0	1·3	1·3	0·0	0·0	0·3	0·9	0·7	0·9	0·9	1·6	3·2	4·1	5·7	5·2	3·9	4·0	3·4	3·2	2·9	2·4	2·1	1·7	-0·1	2·1
6	2·7	-0·6	-1·1	0·4	1·2	1·5	1·9	1·8	1·6	1·4	2·2	3·7	4·1	3·4	4·2	4·3	3·6	3·6	4·3	3·9	3·2	1·9	0·6	1·6	2·3
7 Q	2·0	2·3	2·2	2·7	2·4	2·7	2·9	2·0	3·1	4·1	3·6	3·3	3·2	2·6	3·1	3·6	3·1	2·8	1·8	1·7	2·9	1·6	-0·1	0·4	2·5
8	0·8	1·2	1·5	1·5	1·5	1·3	1·3	1·3	1·8	2·2	3·5	4·2	4·6	4·3	3·9	3·1	2·8	2·2	3·2	3·8	1·5	-1·1	1·1	2·7	2·3
9	2·2	1·0	-0·2	4·8	3·6	-0·1	2·9	2·6	3·0	3·8	6·7	8·1	11·0	9·8	8·2	5·1	1·6	-3·4	4·5	4·3	1·2	-0·5	-1·2	2·2	3·4
10	0·8	-3·2	-4·5	0·6	-1·8	-0·9	1·5	1·7	3·1	3·5	3·6	7·0	7·8	5·4	6·7	8·0	-3·7	0·5	2·2	-0·7	-3·4	-7·1	-13·0	-1·0	0·5
11	0·0	7·2	0·1	-0·7	0·3	3·9	2·4	2·3	2·0	2·8	3·9	5·7	6·5	5·7	3·7	3·9	3·2	1·8	0·9	0·8	1·3	-0·3	-0·8	1·4	2·4
12	1·0	0·7	0·6	0·9	1·5	0·5	0·1	0·2	0·2	0·7	2·3	3·4	5·2	4·6	4·9	4·7	3·7	3·8	2·1	2·6	2·0	1·6	1·4	1·3	2·1
13 Q	1·3	1·3	1·3	1·7	1·6	1·3	1·9	1·3	1·4	2·8	4·1	4·6	5·9	5·6	6·0	4·3	3·2	2·7	2·2	2·4	1·4	1·3	1·0	0·4	2·5
14	0·5	1·1	1·7	1·4	1·3	1·5	0·8	1·7	2·0	2·6	4·3	6·0	5·0	6·9	8·9	11·3	10·4	4·5	4·1	1·1	-3·7	0·0	-0·1	1·0	3·1
15	-3·0	-0·4	-5·9	-3·4	-0·6	-0·2	-0·2	0·8	1·0	1·7	3·3	6·4	7·4	6·6	6·0	7·5	2·7	3·1	2·0	1·7	-0·4	-5·7	-5·2	-4·5	0·9
16 D	-5·6	-2·2	-2·5	-0·6	-0·1	1·3	3·1	3·7	5·4	7·1	7·1	4·7	10·2	12·3	10·8	4·1	7·4	10·2	6·3	8·6	5·6	-6·7	-4·3	-1·0	3·5
17 D	-4·3	-1·7	-9·7	-10·1	-7·7	-3·0	-1·7	-0·9	0·9	2·5	6·1	9·2	10·5	14·6	13·5	11·2	6·9	1·3	1·7	-7·5	-1·8	-8·3	-5·4	-3·5	0·6
18	-2·0	-1·8	-0·2	-0·6	-1·9	-0·7	-0·5	0·1	1·8	2·9	4·1	4·9	5·8	6·2	6·1	4·7	0·5	-2·0	3·5	3·1	-0·6	-1·0	0·3	0·7	1·4
19 D	-0·2	1·0	-1·3	-3·0	-0·9	0·6	-0·2	5·8	5·7	4·4	5·1	6·4	6·8	8·2	8·5	7·6	-4·0	6·5	8·9	4·5	-7·0	-6·6	-8·7	-5·6	1·8
20	-1·9	4·5	-5·5	-1·8	-3·0	-0·2	0·3	0·8	0·9	1·0	2·0	2·9	4·1	4·2	4·1	3·1	1·0	1·0	2·9	1·3	1·6	-2·8	-3·1	-1·8	0·7
21 D	-2·1	4·5	-1·4	-3·9	-5·9	-2·8	1·1	2·8	1·5	3·4	3·4	3·6	7·9	11·5	12·4	11·4	11·5	9·9	-0·8	4·0	1·2	-6·6	-2·5	-2·3	2·6
22 D	-1·8	-4·8	-7·3	-8·7	-3·3	2·2	0·9	1·7	4·4	6·6	3·3	5·6	7·4	7·5	8·1	6·6	5·1	3·8	2·9	2·0	0·8	-11·3	-7·5	-3·6	0·9
23	-1·9	0·8	-0·6	-1·0	-2·2	-1·4	-0·1	1·8	2·7	3·1	4·0	5·8	6·9	8·6	6·7	6·7	6·7	6·5	6·5	1·9	-1·2	0·4	1·8	-11·0	2·1
24	-6·1	-5·8	-3·5	0·3	0·0	0·3	0·9	1·7	2·2	1·7	2·9	5·6	7·1	5·8	5·1	4·5	3·4	3·5	3·6	3·7	1·4	-1·1	-1·4	-2·3	1·4
25	-0·8	-0·6	1·3	-1·6	-0·9	-1·0	-0·9	-0·3	0·3	1·3	3·0	4·6	7·7	9·7	9·1	6·6	5·1	4·5	4·9	-0·5	1·3	-0·6	-4·9	-2·2	1·9
26	0·3	-3·8	-3·7	-5·1	-5·6	-3·5	-1·4	-0·5	-0·8	0·9	4·0	6·9	10·4	13·7	15·8	15·1	11·0	6·0	9·6	-0·6	-6·2	-4·5	-1·9	-13·9	1·8
27	-17·2	-7·2	-6·8	-6·5	-2·0	-2·0	1·8	1·3	0·9	0·9	1·8	6·0	8·8	8·3	9·0	8·0	6·6	2·7	1·4	3·6	1·0	-0·9	-1·0	-4·4	0·6
28 Q	-2·0	1·1	0·5	-1·1	-1·6	-0·2	-0·4	-0·3	-0·2	0·6	1·3	4·1	4·2	5·6	3·9	3·8	3·6	3·0	2·3	2·2	1·2	1·4	1·3	0·8	1·5
29	0·9	0·3	-0·2	-0·4	-0·1	-0·3	-0·7	-0·7	-0·6	0·5	4·1	7·4	10·1	8·0	8·7	9·6	6·9	5·1	5·2	3·7	3·5	1·5	1·9	-5·4	2·9
Mean	-1·2	-0·1	-1·5	-1·3	-1·0	-0·1	0·6	1·3	1·9	2·9	3·9	5·4	6·8	7·3	7·1	6·5	4·5	4·0	3·9	2·7	0·7	-1·5	-1·6	-1·8	2·1

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TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

11 LERWICK (V) — 46,000 γ (·46 C.G.S.unit) + — FEBRUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	776	777	780	782	776	775	777	779	780	782	782	780	779	779	779	780	782	784	786	791	794	792	789	789	782
2	785	784	783	782	782	779	779	779	780	781	784	787	787	785	784	784	789	795	830	897	878	845	825	807	800
3	785	781	788	782	784	781	754	755	765	774	781	785	783	778	780	781	783	786	794	795	789	784	788	781	781
4	784	780	776	760	765	766	768	771	779	772	776	781	783	784	787	795	802	807	809	805	793	790	784	780	783
5 Q	776	774	774	775	773	772	771	771	773	778	778	779	780	782	783	784	783	782	779	779	777	777	777	779	777
6	763	756	760	762	763	764	766	768	769	774	776	778	779	779	782	785	786	788	785	782	782	782	780	775	774
7 Q	777	778	779	778	777	776	772	773	772	767	769	772	773	770	770	778	782	782	786	786	780	778	777	774	776
8	775	774	771	777	777	777	774	773	772	771	771	773	773	771	771	778	782	783	786	791	793	788	778	772	777
9	775	771	764	767	730	742	753	762	765	770	772	772	777	783	790	802	817	808	789	781	792	776	777	745	774
10	691	693	720	743	756	762	763	771	776	774	776	778	782	782	785	794	835	818	808	802	805	770	742	745	770
11	731	725	753	768	772	770	765	770	773	775	777	773	777	781	784	784	783	783	785	784	782	774	758	750	770
12	760	769	773	775	774	774	775	774	774	772	772	773	774	777	778	777	780	780	781	780	776	774	772	772	774
13 Q	770	771	770	771	772	772	772	770	769	767	768	770	770	769	770	770	770	774	772	773	774	774	771	768	771
14	760	764	767	769	770	770	768	766	767	766	767	766	767	760	762	773	807	805	792	800	798	787	792	786	776
15	783	774	760	762	779	782	780	779	778	775	774	777	775	779	780	790	817	806	803	795	791	787	780	759	782
16 D	712	734	746	749	750	753	758	767	772	771	774	791	790	786	810	832	827	849	847	804	810	801	797	787	784
17 D	769	738	741	743	744	735	752	759	768	772	775	782	783	789	808	854	880	865	830	741	801	780	773	769	782
18	761	758	758	775	783	785	785	786	785	785	787	790	793	800	803	802	810	820	811	809	801	793	789	785	790
19 D	785	777	763	749	756	768	772	769	769	769	776	792	803	804	815	844	861	850	873	884	816	671	761	788	792
20	773	702	711	769	783	785	785	785	785	784	781	784	784	782	784	792	799	791	789	804	812	779	786	789	780
21 D	790	758	763	779	772	768	767	769	775	773	779	783	792	807	817	819	834	848	843	809	836	846	825	806	798
22 D	782	690	750	747	720	742	765	770	776	773	772	781	791	798	834	860	828	798	788	786	800	771	736	759	776
23	772	770	764	763	762	774	778	777	774	774	777	781	782	792	805	815	833	846	837	822	817	798	778	764	790
24	782	761	758	757	772	782	784	786	786	788	786	784	787	784	784	786	797	796	791	791	784	768	757	771	779
25	776	773	773	776	784	784	782	778	775	771	767	769	773	784	795	799	814	808	799	816	830	829	812	795	790
26	782	741	767	766	761	771	772	763	767	772	771	777	775	778	798	821	857	864	897	861	822	806	790	772	794
27	746	751	717	722	762	772	782	777	776	782	776	776	783	809	806	821	825	834	832	818	802	794	784	773	784
28 Q	770	775	784	785	784	783	782	783	783	780	779	778	777	781	781	781	784	786	785	784	788	786	784	782	782
29	780	779	779	779	779	779	779	781	780	778	779	774	770	771	771	784	790	790	795	809	803	800	779	768	782
Mean	767	758	762	766	768	770	772	773	775	775	776	779	781	784	790	799	808	808	807	803	801	786	781	776	782

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

12 LERWICK — FEBRUARY, 1936

Day	Terrestrial Magnetic Elements																		HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 13° +			Minimum 13° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range	10,000γ²		
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1 Q	17	2	444	418	11	20	26	12	46	7·5	-2·6	2	51	10·1	20	50	795	773	0	0	22	141	0	75·6
2	19	18	489	404	23	37	85	19	26	25·9	-12·3	23	7	38·2	19	46	929	778	7	30	151	830	1	75·6
3	23	10	445	407	5	44	38	12	30	7·4	-9·2	3	28	16·6	19	8	803	746	6	48	57	322	1	75·2
4	5	58	449	395	8	52	54	9	28	14·3	-1·9	6	39	16·2	18	3	813	755	3	15	58	349	0	74·5
5 Q	19	48	444	415	13	53	29	13	37	6·9	-1·8	23	34	8·7	15	22	786	770	6	10	16	117	0	73·7
6	6	28	448	425	11	38	23	0	25	6·6	-2·4	1	8	9·0	17	13	790	748	1	0	42	230	0	73·1
7 Q	6	11	451	426	19	13	25	9	41	4·9	-1·7	18	51	6·6	19	14	791	766	9	46	25	153	0	73·5
8	8	50	445	422	21	52	23	19	22	5·6	-3·8	21	59	9·4	20	4	797	768	2	19	29	169	0	74·5
9	21	25	500	399	23	54	101	4	2	16·5	-8·8	17	35	25·3	16	42	820	700	24	0	120	708	1	75·4
10	21	24	460	371	0	19	89	11	52	11·5	-18·5	22	25	30·0	16	50	847	678	1	20	169	920	1	75·5
11	21	54	455	410	5	14	45	1	12	10·7	-5·0	0	24	15·7	14	15	786	718	1	15	68	383	1	75·5
12	21	27	445	409	12	54	36	12	30	6·9	-0·7	9	4	7·6	18	36	783	755	0	0	28	183	0	75·3
13 Q	23	1	451	422	13	4	29	13	52	6·9	-0·7	23	9	7·6	20	35	775	765	9	45	10	89	0	75·3
14	15	32	491	411	22	4	80	16	14	15·8	-7·0	20	11	22·8	16	38	817	756	0	40	61	401	1	75·0
15	15	44	464	402	1	35	62	12	44	10·1	-8·2	2	13	18·3	16	24	822	739	24	0	83	478	1	75·0
16 D	21	5	526	347	11	45	179	17	40	20·8	-15·9	21	32	36·7	18	7	893	693	0	45	200	1196	1	75·6
17 D	18	19	583	339	19	6	244	18	27	29·0	-23·0	19	26	52·0	18	19	939	694	19	33	245	1501	1	76·0
18	16	57	453	402	1	29	51	13	55	7·4	-5·6	16	55	13·0	17	17	824	750	2	11	74	420	1	75·7
19 D	20	17	539	258	21	27	281	21	29	19·5	-33·4	20	51	52·9	18	59	918	575	21	26	343	2012	2	76·0
20	21	10	455	350	1	27	105	20	55	8·6	-9·0	2	17	17·6	20	16	820	663	1	55	157	887	1	76·6
21 D	18	45	501	398	15	25	103	16	17	15·1	-11·1	21	15	26·2	17	55	893	744	1	55	149	846	1	76·6
22 D	21	20	498	357	0	55	141	13	55	11·3	-18·9	21	35	30·2	15	36	865	661	1	24	204	1159	1	76·6
23	19	24	473	390	22	44	83	13	10	9·5	-21·5	23	37	31·0	17	23	850	742	23	2	108	625	1	76·6
24	21	26	459	400	12	43	59	11	52	8·9	-12·5	0	0	21·4	17	19	801	743	22	9	58	357	1	76·3
25	16	24	458	414	14	26	44	14	10	11·3	-5·9	21	58	17·2	20	50	836	767	10	26	69	387	1	76·0
26	16	50	479	392	11	33	87	18	25	16·9	-18·3	24	0	35·2	18	37	928	724	1	18	202	1071	1	75·8
27	16	40	459	377	2	27	82	12	51	11·7	-20·2	0	5	31·9	17	9	836	693	3	0	143	788	1	76·0
28 Q	19	36	443	409	11	28	34	13	43	6·9	-3·4	0	0	10·3	20	25	790	766	0	27	24	161	0	76·0
29	15	12	462	411	10	29	51	12	26	11·0	-8·9	23	17	19·9	19	23	812	749	23	0	63	369	1	75·8
Mean	--	--	471	392	--	--	79	--	--	11·9	-10·1	--	--	22·0	--	--	833	730	--	--	103	595	0·72	75·5
No. of Days Used	--	--	29	29	--	--	29	--	--	29	29	--	--	29	--	--	29	29	--	--	29	29	29	29

§ For explanation see page 40 — Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56-61

11-3 / 10-5 } B/1936/032/01/BB/140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

13 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — MARCH, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	439	437	436	437	439	436	438	442	429	417	419	419	419	425	430	442	442	444	444	444	442	441	441	440	435
2	439	439	439	439	439	441	438	438	435	424	415	410	414	417	422	429	434	438	445	446	440	438	433	437	433
3 Q	441	442	442	441	440	441	442	442	438	431	424	423	423	427	428	433	439	441	450	451	448	447	447	444	439
4 Q	444	443	442	442	442	441	441	444	444	436	426	419	419	425	430	436	441	444	449	450	452	450	450	450	440
5	447	443	435	438	441	442	443	445	440	433	425	415	414	423	436	428	437	446	446	450	452	448	445	443	438
6	445	443	443	443	443	445	447	447	444	435	418	416	410	419	429	449	435	440	445	449	442	433	433	431	437
7 Q	439	438	439	439	440	441	437	439	436	426	418	417	420	420	418	430	434	441	445	447	447	447	446	448	435
8	447	447	449	449	448	446	447	452	443	431	422	411	403	417	447	454	427	434	440	441	444	439	439	438	438
9	438	438	434	434	439	441	441	439	433	419	413	416	412	423	434	432	425	427	443	430	437	437	439	438	432
10	441	443	440	439	440	442	435	432	429	416	403	395	394	403	420	421	435	442	444	448	445	446	451	445	432
11 Q	445	444	445	444	444	446	445	445	439	426	415	413	413	417	422	427	433	438	443	449	451	451	451	451	437
12 Q	450	449	449	451	451	448	447	446	439	426	415	415	414	418	427	434	433	440	446	446	448	450	451	450	439
13	448	446	448	448	448	452	454	451	439	427	419	414	417	423	430	439	445	452	449	445	447	448	448	447	441
14	446	445	446	449	445	449	446	441	431	422	422	421	419	424	430	444	449	452	441	444	449	447	446	444	440
15	445	435	427	429	440	444	442	427	413	420	415	410	411	423	424	440	444	457	449	440	440	453	444	447	434
16	437	441	440	441	444	444	445	436	429	421	415	414	415	427	439	441	441	452	449	457	455	453	448	447	439
17	444	445	448	435	433	433	431	430	429	425	422	422	419	429	440	442	442	446	448	451	451	443	436	430	436
18	434	438	429	447	438	438	438	430	414	416	414	407	405	416	432	439	447	450	468	454	430	430	438	413	432
19	411	414	427	418	433	444	441	430	428	420	410	402	408	421	427	430	441	446	455	450	457	442	432	442	430
20 D	439	433	427	389	426	444	428	432	417	394	401	410	404	410	421	456	453	452	443	452	452	452	453	403	429
21 D	379	345	307	377	404	416	410	401	407	383	342	368	402	415	442	428	456	454	473	447	432	393	395	390	403
22	326	296	395	430	433	428	429	428	425	416	411	405	402	423	403	432	423	437	464	450	459	436	438	441	418
23 D	438	437	425	431	433	387	416	426	408	408	406	391	418	423	439	461	476	477	488	442	433	435	438	429	432
24 D	434	429	428	407	425	418	387	425	426	401	396	398	418	458	462	433	430	444	455	452	358	381	334	303	413
25 D	371	393	286	408	435	434	434	426	417	409	408	394	408	431	417	420	428	434	441	451	444	436	349	348	409
26	353	330	357	417	427	402	412	423	417	407	389	390	405	412	421	433	438	442	441	455	438	444	410	436	412
27	425	416	408	427	436	434	421	423	423	398	394	387	395	407	430	435	453	465	462	461	430	421	419	412	424
28	362	342	401	431	447	442	435	432	420	407	390	382	390	407	422	431	438	442	453	450	442	445	442	442	421
29	442	441	427	419	437	435	438	433	425	414	406	402	403	417	429	424	431	440	446	449	447	446	444	438	431
30	435	438	440	438	437	445	447	432	422	407	399	395	405	418	425	433	441	445	451	454	455	453	452	446	434
31	446	441	443	446	446	450	452	444	424	419	409	393	394	395	408	420	428	451	463	467	463	458	461	460	437
Mean	427	423	423	432	438	437	436	435	428	417	409	406	409	420	429	435	439	446	451	449	443	440	434	430	431

11-3 / 10-5 } B/1936/031/01/BB/B13

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

14 LERWICK (D) — 13° + — MARCH, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	-0·1	0·4	1·3	0·3	-0·9	1·0	-0·7	-1·8	-2·5	-0·1	1·5	3·9	6·0	5·6	5·5	5·1	4·1	3·2	3·1	2·7	2·1	1·6	1·6	1·3	1·8
2	1·1	0·7	0·5	0·3	0·3	0·5	0·4	0·0	-1·3	-2·1	-0·9	2·1	5·0	6·0	6·0	4·7	2·8	1·9	1·4	2·1	2·8	2·6	-2·3	-2·4	1·3
3 Q	-0·1	0·6	1·0	0·8	0·8	0·3	0·3	0·0	-0·8	-0·8	0·3	2·9	4·5	5·3	4·9	4·0	3·2	2·6	2·7	2·5	2·7	2·2	1·9	1·5	1·8
4 Q	1·0	0·7	0·3	0·0	0·0	-0·3	-0·4	-0·5	-0·9	-0·7	0·5	2·7	5·1	6·3	6·8	5·6	4·3	3·7	3·5	3·1	2·8	2·1	1·8	1·8	2·1
5	-2·2	-7·8	-7·1	-1·9	-0·3	-0·5	-0·6	-0·6	-1·1	-1·2	1·1	3·6	6·0	7·4	7·6	6·3	4·7	3·2	2·9	2·9	2·7	1·4	1·4	1·4	1·2
6	1·1	1·1	1·1	1·0	0·7	0·2	0·1	-0·4	-1·3	-1·1	1·3	5·3	6·4	8·0	7·7	7·7	4·5	3·4	3·6	2·7	0·9	-1·5	-8·4	-2·7	1·7
7 Q	0·1	1·0	1·3	0·6	0·3	-0·7	0·4	0·1	-1·5	-1·3	0·6	4·5	7·6	8·8	6·6	4·9	3·9	3·1	2·4	1·8	1·6	1·3	0·8	0·8	2·0
8	1·1	2·3	1·3	0·5	0·0	0·2	-0·3	-2·5	-2·6	-1·6	2·6	8·0	9·4	10·0	11·7	10·7	3·6	3·3	2·4	1·8	1·3	-2·3	-6·3	0·7	2·3
9	1·3	1·4	1·6	3·1	-0·1	0·1	-0·2	-1·1	-1·9	-1·6	1·3	6·7	10·8	12·7	13·3	13·1	11·5	6·4	2·2	-0·2	0·3	-0·3	1·1	0·6	3·4
10	0·0	-0·5	0·5	0·8	0·3	-1·8	-1·2	-0·8	-1·6	0·6	3·8	6·4	8·5	7·5	8·2	5·7	3·6	2·3	1·8	1·8	1·6	-0·1	0·7	1·3	2·1
11 Q	1·1	1·0	0·7	-0·7	-0·6	-0·6	-0·3	-0·6	-1·4	-1·0	0·8	3·4	5·7	7·3	7·4	5·2	3·6	3·1	2·9	2·8	2·3	1·8	1·3	1·4	1·9
12 Q	1·3	1·0	0·6	0·3	0·7	0·6	-0·1	-1·1	-2·4	-1·4	1·1	5·1	6·7	7·4	7·6	5·4	3·6	2·1	1·3	1·7	1·4	1·4	1·3	1·1	1·9
13	1·7	1·5	1·5	1·1	0·8	0·8	0·5	-1·0	-1·9	-1·5	0·7	3·5	6·7	9·5	7·6	6·2	4·2	3·6	3·5	2·2	1·6	1·3	1·3	1·4	2·4
14	1·3	1·2	1·1	0·8	0·3	-0·9	-1·0	-2·5	-2·9	-1·6	0·0	2·7	5·1	5·6	5·4	5·1	3·4	2·6	2·6	3·1	2·9	2·0	1·7	-0·9	1·5
15	-3·4	-6·7	-4·1	0·4	-0·2	-1·6	-2·1	-1·3	1·7	-0·6	1·6	4·8	6·1	7·9	7·5	6·4	3·4	0·9	1·7	0·5	-1·0	-2·0	-3·2	-4·5	0·5
16	-0·4	1·1	0·4	-1·0	-1·9	-0·5	-1·8	-2·3	-3·0	-2·5	0·4	4·6	7·5	8·6	7·9	5·1	3·1	2·8	1·3	3·1	3·4	3·9	2·8	0·2	1·8
17	-2·0	-4·5	-7·2	-5·9	-5·2	-4·4	-2·7	-2·5	-2·5	-1·8	0·8	4·6	6·7	7·9	7·3	4·8	3·1	1·4	1·5	2·1	0·1	-3·1	-2·2	5·3	0·1
18	-4·9	-7·3	-0·3	-1·5	-1·5	-1·0	-2·0	-3·5	-3·5	-1·6	2·1	6·5	7·8	8·4	8·2	5·6	3·4	1·8	2·8	0·8	-2·7	-3·2	-5·9	-0·8	0·3
19	-1·0	-2·9	-5·5	-4·9	-2·5	-3·7	-3·9	-3·9	-4·0	-2·9	0·5	4·6	8·2	9·1	8·8	5·6	3·8	3·1	2·8	-1·2	-0·7	-5·4	-3·6	-1·1	0·0
20 D	-3·0	-3·4	-6·0	-3·2	-9·6	-5·0	-2·0	0·3	-2·7	0·7	1·4	5·9	9·2	12·7	11·4	12·6	11·1	10·2	5·2	3·6	3·1	3·7	-5·4	-7·9	1·8
21 D	-14·7	-11·1	-10·1	-13·6	-8·3	-1·1	-4·1	0·3	-1·7	-0·2	4·3	7·9	10·3	10·6	11·3	8·0	5·1	3·6	1·3	-0·3	-4·5	-0·8	-2·0	-1·9	-0·5
22	-11·7	-6·9	-0·5	-5·1	-1·2	-1·1	-1·9	-2·7	-3·8	-3·1	-0·6	3·5	7·5	9·1	7·4	8·1	4·9	3·8	2·6	-2·2	-7·3	-5·4	0·0	1·4	-0·2
23 D	0·7	-0·5	-2·3	-8·1	-3·2	-6·2	4·0	0·3	-0·6	0·3	3·5	6·8	8·9	10·2	11·2	9·4	7·6	3·6	-4·9	-7·6	0·5	1·6	0·0	0·7	1·2
24 D	-5·3	-6·5	-4·0	-5·6	-2·0	-4·4	5·3	1·6	-2·0	0·6	0·1	5·3	9·9	11·3	11·7	9·1	6·3	4·6	2·8	-1·9	9·3	-2·5	-7·7	-17·6	0·7
25 D	-1·4	-11·6	-19·9	-4·9	-3·0	-2·2	-2·3	-3·2	-2·8	-1·6	1·5	4·9	9·2	12·2	10·9	7·4	4·2	2·3	1·7	1·5	2·0	-12·3	-3·1	-22·9	-1·4
26	-14·6	-21·3	-5·8	-6·6	-4·0	-0·6	0·6	-3·6	-4·7	-2·5	1·6	5·1	10·2	11·9	10·0	6·6	4·1	3·0	1·7	1·9	0·7	-5·4	-10·4	-4·2	-1·1
27	-2·8	-2·4	-3·4	-1·8	-2·4	-3·2	-4·2	-2·2	-2·2	0·2	2·7	6·3	10·9	11·2	11·9	8·4	5·7	2·2	1·3	-3·3	-6·6	-7·1	-8·5	-5·3	0·2
28	-5·9	-6·6	-11·0	-9·9	-3·7	-3·9	-5·8	-6·9	-6·5	-5·0	-1·7	1·7	5·2	7·7	8·4	5·6	2·7	1·7	1·8	1·7	3·1	2·9	1·6	0·8	-0·9
29	0·1	0·1	1·3	-0·8	-5·6	-6·4	-3·2	-6·8	-6·1	-4·2	0·4	5·1	8·2	10·8	10·2	7·1	3·1	0·8	0·2	0·1	0·5	1·3	0·2	-3·2	0·5
30	-4·5	-3·7	-2·7	-3·2	-3·7	-3·9	-4·5	-5·5	-5·9	-5·6	-1·4	4·1	7·8	9·2	8·8	6·8	4·3	2·5	2·0	1·3	1·5	1·5	0·4	-0·9	0·2
31	-4·6	-5·4	-2·5	-3·7	-4·9	-5·5	-6·1	-6·9	-5·4	-3·2	0·7	5·4	8·2	10·0	10·5	7·8	5·1	2·4	2·4	2·5	1·3	0·7	0·8	1·2	0·5
Mean	-2·3	-3·1	-2·5	-2·3	-2·1	-1·8	-1·3	-2·0	-2·6	-1·6	1·1	4·8	7·6	8·9	8·7	6·9	4·6	3·1	2·1	1·1	1·0	-0·6	-1·6	-1·7	1·0

DAILY EXTREMES OF TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT
for periods of twenty minutes ending at the hours of Greenwich Mean Time

15 LERWICK (V) 46,000 γ (·46 C.G.S.unit) + MARCH, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	777	778	779	779	776	777	777	778	780	779	776	774	776	776	775	776	780	780	779	780	780	781	780	780	778
2	780	779	778	777	776	776	776	778	781	782	782	778	773	772	773	775	779	778	775	777	781	775	773	777	777
3 Q	776	776	775	775	774	774	773	773	774	775	773	768	765	766	769	771	771	771	770	771	773	774	774	777	772
4 Q	776	776	776	774	773	771	769	768	766	767	766	766	766	767	767	769	770	769	769	769	769	771	771	773	770
5	768	760	762	768	769	769	769	768	768	770	769	766	765	766	773	780	781	779	779	775	773	774	774	775	771
6	772	775	776	775	774	772	770	769	769	768	771	768	772	774	776	780	790	786	780	777	782	788	773	775	775
7 Q	775	776	775	777	777	776	772	770	770	770	770	769	769	777	783	784	783	781	778	776	776	776	776	775	775
8	775	772	769	772	774	773	770	769	769	769	768	769	771	771	779	809	841	816	801	790	784	780	773	771	781
9	775	775	774	772	775	777	777	776	775	776	775	771	776	779	785	797	813	809	796	818	801	790	786	782	785
10	777	772	776	772	766	767	772	773	773	770	771	773	774	775	780	788	787	786	785	782	781	777	770	771	776
11 Q	773	775	775	775	777	776	775	773	773	773	771	769	768	767	771	778	781	781	780	778	777	776	775	773	775
12 Q	773	775	776	776	777	778	777	777	777	776	772	768	772	775	778	785	787	786	785	783	781	777	775	774	777
13	774	776	776	777	778	778	777	777	779	777	772	771	768	767	767	770	774	777	778	781	781	778	777	777	775
14	777	777	777	777	778	776	778	780	780	776	769	764	764	767	769	774	784	795	799	790	784	783	783	781	778
15	768	757	763	764	759	768	772	775	773	768	767	767	769	772	778	782	794	800	810	813	801	779	767	752	776
16	758	769	777	777	773	763	762	770	775	775	772	772	772	775	782	787	786	784	787	783	784	785	787	787	777
17	788	780	762	759	764	771	774	777	775	778	776	778	780	779	783	793	802	799	798	792	794	789	781	744	780
18	749	755	756	747	772	779	781	783	785	783	780	782	785	783	784	792	794	794	799	815	817	777	774	746	780
19	680	704	720	743	758	769	777	783	787	789	787	785	785	788	792	788	785	784	785	796	789	778	792	781	772
20 D	774	769	756	696	694	726	743	753	767	777	767	774	786	800	804	814	828	851	848	825	814	809	806	761	781
21 D	698	680	641	665	689	723	738	757	769	777	795	801	808	812	810	820	831	834	825	783	779	695	691	724	756
22	690	657	686	748	779	782	785	787	787	790	789	789	799	808	806	801	806	799	812	825	782	780	785	788	777
23 D	792	795	774	723	693	696	732	754	781	782	786	799	793	800	799	815	848	886	882	805	805	809	803	792	789
24 D	743	727	749	750	750	770	749	736	769	783	789	785	788	813	862	848	815	809	820	835	770	724	669	613	769
25 D	611	697	621	703	770	787	789	792	793	793	791	797	802	815	821	813	804	800	798	801	810	795	671	600	761
26	601	612	653	699	766	775	764	778	790	793	791	786	782	783	786	791	797	800	800	797	809	770	769	778	761
27	768	734	734	744	769	787	795	790	787	788	781	785	786	791	804	819	824	849	850	823	766	781	775	754	787
28	700	659	684	721	746	771	790	796	797	797	799	798	794	790	793	796	799	796	795	805	804	798	797	796	776
29	793	792	786	724	724	748	758	772	778	783	782	785	790	791	797	802	797	793	792	794	798	797	796	797	782
30	791	777	765	767	773	776	777	786	787	787	785	781	781	781	785	785	787	787	788	789	790	790	791	790	783
31	765	772	776	775	775	773	775	779	784	777	776	779	778	787	792	806	809	802	801	801	802	802	789	785	786
Mean	752	751	750	753	761	768	771	774	778	779	778	778	779	783	788	793	798	799	798	794	788	779	771	763	776

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS:
MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

16 LERWICK MARCH, 1936

Day	Horizontal Force: Maximum 14,000 γ +			Horizontal Force: Minimum 14,000 γ +			Horizontal Force: Range	Declination: Maximum 13° +			Declination: Minimum 13° +			Declination: Range	Vertical Force: Maximum 46,000 γ +			Vertical Force: Minimum 46,000 γ +			Vertical Force: Range	$HR_H + VR_V$ § / 10,000 γ²	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	17	5	448	415	9	45	33	12	14	7·0	-3·5	8	33	10·5	21	43	782	773	11	50	9	90	0	75·5
2	19	0	448	408	11	41	40	14	14	6·5	-2·9	22	51	9·4	21	24	784	765	21	45	19	147	0	75·4
3 Q	19	24	453	421	11	41	32	13	6	5·6	-1·5	0	0	7·1	23	25	779	764	12	50	15	116	0	75·0
4 Q	21	19	453	414	12	16	39	14	36	7·3	-1·6	8	45	8·9	1	39	778	764	12	0	14	123	0	75·0
5	17	53	458	410	11	47	48	14	28	9·1	-11·0	2	4	20·1	17	22	782	752	1	55	30	210	1	75·0
6	15	34	456	407	12	28	49	14	0	9·0	-13·9	22	27	22·9	21	6	795	766	22	36	29	207	1	75·4
7 Q	23	45	451	413	13	4	38	13	38	10·3	-2·3	8	50	12·6	15	44	785	766	11	45	19	144	0	76·1
8	14	45	468	399	11	17	69	14	39	14·5	-8·6	22	26	23·3	16	33	848	766	8	2	82	484	1	76·5
9	18	40	463	406	12	2	57	13	54	14·6	-2·5	8	20	17·1	17	30	824	767	3	43	57	350	1	75·6
10	22	30	454	388	12	0	66	12	53	9·5	-2·6	6	5	12·1	15	54	791	765	4	32	26	218	0	76·3
11 Q	23	29	453	410	12	5	43	14	8	7·9	-1·8	9	20	9·7	17	11	782	767	13	43	15	132	0	76·3
12 Q	23	9	454	408	11	1	46	14	18	8·6	-2·7	8	37	11·3	16	12	788	766	11	26	22	170	0	76·1
13	17	50	460	409	11	55	51	13	24	12·3	-2·4	8	24	14·7	19	36	783	764	13	30	19	163	0	76·5
14	17	40	458	418	12	18	40	13	50	6·3	-3·6	8	7	9·9	18	6	802	763	12	10	39	241	0	76·7
15	21	33	466	407	12	24	59	13	59	9·9	-9·3	23	4	19·2	19	20	816	748	1	12	68	404	1	76·8
16	19	30	459	410	12	5	49	13	43	9·6	-3·7	8	17	13·3	22	45	789	751	0	0	38	249	0	76·7
17	18	3	463	413	12	14	50	23	30	11·2	-8·6	2	23	19·8	16	55	807	726	23	50	81	452	1	77·0
18	19	27	478	368	24	0	110	13	28	10·7	-10·1	1	53	20·8	20	30	822	685	24	0	137	801	1	77·7
19	20	36	479	367	0	2	112	14	44	10·1	-9·8	21	36	19·9	20	2	813	669	0	22	144	836	1	77·8
20 D	15	28	479	355	3	26	124	15	1	14·8	-11·9	4	22	26·7	18	6	859	661	3	53	198	1107	1	77·7
21 D	18	36	491	257	2	15	234	14	17	12·3	-21·9	20	46	34·2	18	23	849	607	2	48	242	1472	2	78·0
22	19	54	488	232	1	54	256	13	56	10·4	-18·5	0	57	28·9	19	16	845	625	1	34	220	1401	1	78·7
23 D	18	45	524	363	5	5	161	13	0	13·8	-22·5	18	49	36·3	18	38	912	675	5	3	237	1342	1	79·4
24 D	14	3	493	164	20	40	329	20	46	43·2	-26·4	23	38	69·6	14	46	877	558	23	53	319	1970	2	79·4
25 D	21	21	467	179	2	23	288	13	55	13·9	-28·7	23	34	42·6	14	14	824	563	0	25	261	1639	2	79·3
26	21	20	474	255	1	50	219	13	30	14·3	-26·7	1	39	41·0	20	15	817	582	0	20	235	1418	1	79·0
27	19	33	520	376	19	51	144	14	25	13·1	-20·7	19	56	33·8	19	30	897	710	24	0	187	1084	1	78·7
28	18	58	460	226	1	6	234	13	50	9·6	-14·1	2	34	23·7	19	57	809	631	1	5	178	1172	1	78·8
29	19	49	452	401	12	6	51	13	47	11·5	-8·0	5	44	19·5	15	20	803	710	3	36	93	509	1	78·7
30	20	28	456	392	11	23	64	13	40	9·5	-6·6	8	56	16·1	0	25	794	762	2	47	32	243	0	78·7
31	19	32	469	386	11	54	83	14	25	11·0	-8·9	0	50	19·9	16	12	812	753	0	44	59	396	1	78·6
Mean	--	--	468	364	--	--	104	--	--	11·5	-10·2	--	--	21·8	--	--	814	714	--	--	101	622	0·71	77·2
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 40 Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 55-61

62 11-3/10-5/B/1936/042/01/BB/1140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

17 LERWICK — 14,000 γ (·14 C.G.S.unit) + — APRIL, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	456	451	450	449	450	451	455	450	435	422	418	412	405	403	444	452	488	530	505	450	438	440	441	446	448
2	437	429	433	438	436	441	441	437	428	414	403	396	391	399	409	423	429	448	458	457	461	459	445	442	431
3	444	444	445	447	449	449	448	435	422	409	396	388	393	412	423	429	474	486	534	486	415	401	416	391	435
4	414	431	430	432	429	432	426	421	422	416	400	400	405	416	425	431	441	447	446	447	444	444	444	443	429
5 Q	441	440	440	439	437	441	440	433	419	399	388	385	394	405	410	415	431	439	450	449	449	444	447	447	428
6 Q	446	445	443	446	448	450	450	441	424	407	398	395	395	403	420	429	435	450	452	456	455	454	452	452	435
7	451	450	451	447	448	451	450	444	433	421	413	400	399	413	424	408	423	444	444	452	455	453	452	450	437
8	448	448	449	451	448	440	443	429	416	419	415	407	410	390	388	413	422	451	452	462	459	455	455	451	434
9	449	445	445	445	446	448	454	448	436	418	403	395	407	410	427	437	440	448	458	463	457	450	447	445	438
10 Q	444	443	443	445	445	445	449	444	436	417	406	396	399	412	427	425	434	445	453	455	455	450	446	451	436
11	455	455	450	446	445	447	438	434	416	404	399	396	406	408	422	421	439	449	458	467	460	456	447	447	436
12	443	432	438	436	438	441	436	434	433	421	403	387	399	426	447	445	438	489	466	451	459	441	387	428	434
13	440	439	439	439	430	416	424	429	419	419	409	424	417	445	453	465	489	480	478	472	451	435	445	447	442
14	445	442	438	435	435	438	437	431	418	408	388	387	394	408	418	427	448	465	487	482	422	411	433	434	430
15	438	436	433	431	425	430	422	412	369	369	385	394	394	408	429	477	542	518	480	472	442	442	434	400	433
16	357	335	361	414	431	431	430	427	414	401	393	388	389	405	418	433	452	452	455	457	464	446	442	440	418
17	422	431	440	440	442	440	435	415	406	392	381	387	399	421	432	460	481	479	486	484	465	418	390	292	427
18 D	250	327	375	389	374	294	340	378	404	403	396	387	390	426	443	499	581	569	567	450	454	435	424	412	415
19 D	387	380	404	438	439	421	420	426	415	379	368	362	400	408	447	452	542	557	470	457	458	453	395	185	419
20 D	213	291	364	364	415	422	402	388	380	375	363	375	403	444	454	410	454	518	527	460	424	303	341	290	391
21 D	320	318	360	396	398	407	415	382	343	372	394	408	441	492	510	459	441	492	489	509	414	226	17	-34	374
22 D	-140	187	302	198	325	413	369	364	334	343	376	418	423	433	632	508	449	488	469	481	438	433	382	206	368
23	428	401	395	410	377	326	402	378	370	380	391	384	397	449	551	527	547	515	458	439	448	429	416	411	426
24	411	425	428	428	414	400	401	423	411	409	400	398	398	420	443	455	477	477	463	452	446	437	433	417	428
25	407	398	405	432	430	432	432	426	415	401	397	387	392	418	435	431	447	457	461	457	454	456	441	439	427
26 Q	437	439	435	436	434	431	433	429	422	409	402	404	407	410	424	429	438	455	462	458	453	447	446	446	433
27	445	442	441	439	439	440	439	436	426	409	398	394	398	406	415	427	455	466	463	463	457	450	450	451	435
28	449	452	449	438	426	438	436	429	425	411	413	407	415	416	427	449	464	482	484	472	456	429	442	444	440
29 Q	448	447	446	444	447	451	452	447	438	420	407	395	399	418	418	434	443	455	459	458	456	453	451	451	439
30	451	450	449	450	443	433	429	437	429	412	410	396	400	407	424	427	450	458	466	463	460	458	461	458	438
Mean	398	412	423	425	428	427	428	424	412	403	397	395	402	418	441	443	463	477	473	463	449	430	417	396	427

11-3/10-5/B/1936/041/01/BB/B12 (Yellow)

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

18 LERWICK (D) — 12° + — APRIL, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	60·5	60·7	59·9	59·3	59·0	57·9	56·5	54·5	53·2	55·7	59·0	62·1	65·6	66·2	69·8	67·4	68·9	67·5	61·3	61·4	61·5	60·9	60·7	55·3	61·0
2	60·1	62·6	62·2	58·0	57·1	57·9	57·7	56·8	55·9	56·9	59·0	62·4	65·8	67·1	66·7	65·3	63·9	62·3	61·9	61·7	60·8	45·6	52·9	60·0	60·0
3	60·8	60·3	59·6	58·9	58·1	56·2	54·8	53·3	54·4	56·8	60·8	65·6	67·9	68·7	68·2	65·7	63·1	63·4	68·4	59·1	44·6	49·3	50·5	54·6	59·3
4	51·9	57·1	57·5	55·3	58·0	58·8	56·2	55·1	55·2	57·7	60·3	63·2	66·6	67·2	65·5	62·9	60·7	59·7	59·3	59·7	59·6	59·8	60·1	61·0	59·5
5 Q	61·0	60·3	60·1	59·9	59·1	57·6	55·5	54·0	54·1	55·3	58·8	63·8	67·3	68·6	66·7	64·8	61·5	58·8	57·9	58·8	58·9	58·9	60·3	61·0	60·1
6 Q	61·2	60·7	59·9	59·7	58·7	57·4	55·1	52·7	54·9	58·8	62·6	66·2	67·9	68·9	67·9	65·1	61·3	60·3	60·7	61·4	60·6	60·7	60·8	60·8	61·0
7	60·0	59·5	59·3	58·8	58·2	57·5	56·0	54·3	54·0	54·8	58·4	63·5	69·2	72·2	73·7	71·5	66·9	62·6	59·3	59·8	60·4	60·7	60·8	61·1	61·4
8	61·1	60·3	59·3	58·8	57·3	58·0	58·9	55·6	56·0	57·5	59·8	66·1	72·1	75·1	69·5	67·4	63·3	59·9	57·3	58·1	60·0	60·9	61·2	60·8	61·4
9	60·7	59·9	60·1	59·8	59·4	59·1	57·5	57·0	56·4	58·5	60·7	63·8	67·0	68·1	67·1	64·8	63·1	61·7	60·8	60·1	57·4	59·1	60·7	61·2	61·0
10 Q	61·1	60·5	60·3	59·8	59·3	58·7	58·7	57·3	55·1	56·7	58·0	61·7	66·4	68·1	66·7	64·4	62·1	60·4	60·1	60·8	60·7	61·2	60·8	60·7	60·8
11	60·3	61·1	60·5	59·4	58·7	57·1	57·8	57·5	57·4	61·6	63·5	65·2	66·1	66·6	66·5	64·5	63·1	61·3	60·3	61·2	60·8	60·5	58·4	55·8	61·1
12	49·3	56·3	58·0	60·2	58·5	56·6	56·0	55·5	55·5	58·3	62·1	66·4	69·1	69·7	70·7	66·9	65·9	66·8	64·4	63·0	61·5	55·1	61·6	57·2	61·0
13	55·2	53·9	53·7	57·1	54·5	59·4	58·4	55·2	57·0	59·3	61·8	65·2	66·9	70·2	71·5	72·1	70·9	60·7	63·1	63·2	56·6	59·0	58·3	59·7	60·9
14	59·7	59·3	58·0	57·6	57·0	56·9	55·7	54·2	55·4	58·1	61·5	63·6	64·7	66·7	66·0	64·9	64·1	63·5	64·4	56·9	52·6	56·3	58·8	60·2	59·8
15	59·7	59·4	58·0	57·4	56·3	55·6	56·5	54·9	61·9	65·6	64·6	66·5	70·3	72·3	68·0	70·0	68·3	61·9	61·7	61·2	55·9	54·2	56·8	54·8	61·3
16	53·9	48·7	38·9	42·9	49·9	49·5	53·7	53·6	54·6	57·0	59·9	62·6	64·1	65·7	66·2	64·7	63·5	62·7	62·3	62·3	61·6	60·7	61·1	59·9	57·5
17	60·2	54·9	53·3	54·2	53·2	53·2	52·0	52·2	54·1	58·4	61·8	65·5	67·5	67·7	66·6	66·0	64·6	62·1	63·1	62·7	58·0	50·8	47·4	53·2	58·4
18 D	54·6	33·7	29·7	38·5	58·4	55·5	60·7	56·9	57·4	56·5	59·1	62·2	65·2	69·5	69·0	70·7	70·7	67·8	66·5	54·2	54·0	57·5	59·0	50·4	57·4
19 D	53·6	49·8	43·6	42·4	48·2	55·0	55·1	57·0	54·8	58·8	62·0	64·9	69·7	71·1	71·5	70·2	71·7	62·0	63·1	63·0	63·3	50·0	50·5	47·0	58·3
20 D	62·7	44·9	51·9	51·7	52·3	53·7	52·8	54·6	56·7	57·5	60·3	65·2	67·3	67·1	66·2	66·0	67·3	66·0	60·1	61·7	59·6	54·1	56·5	47·2	58·5
21 D	60·5	60·9	53·4	50·6	57·5	53·8	54·5	51·6	58·4	64·1	63·6	67·1	71·0	71·7	72·7	69·9	67·9	65·4	63·2	57·7	59·4	56·5	63·6	39·8	60·6
22 D	58·1	53·7	53·1	52·0	53·2	56·2	57·0	53·5	60·6	63·6	64·8	65·7	66·5	69·0	63·1	65·1	65·8	59·6	63·1	59·4	56·5	58·2	55·1	63·4	59·6
23	59·1	56·7	54·4	57·7	57·0	59·4	59·5	61·3	58·0	58·4	59·5	62·8	67·9	70·6	68·4	67·9	67·9	66·1	63·1	63·1	58·6	62·0	60·2	59·4	61·6
24	63·9	60·8	57·5	57·8	57·5	56·5	60·6	61·1	57·5	57·2	59·5	62·8	65·3	66·2	65·2	64·7	62·6	61·0	60·5	61·3	58·9	60·9	58·5	61·4	60·8
25	54·1	52·4	59·3	56·5	55·3	56·0	56·0	55·2	54·4	54·7	58·4	62·3	68·4	69·3	69·2	66·9	65·6	62·6	60·8	59·5	59·4	53·8	57·5	58·8	59·4
26 Q	58·4	57·7	56·6	56·6	56·5	55·7	55·4	54·2	54·0	55·2	57·7	61·3	64·5	65·3	65·3	64·2	63·3	62·8	61·8	59·8	59·6	59·6	60·0	59·8	59·4
27	59·1	58·5	57·7	56·7	55·3	54·3	53·0	52·3	52·2	55·2	59·0	62·2	65·3	66·7	66·7	65·3	64·7	62·2	59·4	61·4	61·4	60·3	60·3	59·9	59·5
28	58·5	58·6	58·6	58·9	58·9	54·4	52·4	52·8	52·6	56·8	56·7	58·4	62·0	63·9	65·7	65·2	65·3	62·4	61·0	60·1	59·8	51·9	53·7	58·7	58·6
29 Q	59·2	59·4	59·9	61·3	59·5	55·1	53·8	52·9	52·7	55·2	58·4	62·2	65·2	67·1	66·0	64·4	61·8	59·6	59·0	59·4	60·1	60·8	60·7	60·3	59·7
30	59·9	59·8	59·1	58·4	56·6	56·0	55·7	52·7	53·0	58·3	58·8	62·0	65·2	66·0	64·7	63·0	61·9	59·6	58·9	59·4	59·5	60·2	61·4	60·3	59·6
Mean	58·6	56·7	55·8	55·9	56·6	56·3	56·1	55·0	55·6	57·9	60·3	63·7	66·9	68·4	67·7	66·4	65·1	62·4	61·6	60·4	58·7	57·3	58·3	57·5	60·0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

19 LERWICK (V) 46,000 γ (·46 C.G.S.unit) + APRIL, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	785	789	790	788	787	786	786	788	789	788	784	783	780	783	794	822	863	906	930	873	846	799	770	752	807
2	774	771	746	768	781	785	790	792	795	797	798	794	795	794	794	799	800	796	793	795	793	762	760	779	785
3	786	790	791	789	787	785	786	789	788	786	785	786	784	781	785	800	809	843	895	889	779	737	745	704	792
4	669	746	771	771	766	754	754	765	774	776	779	779	784	789	791	789	790	790	789	789	791	791	789	789	774
5 Q	791	793	793	793	793	790	789	788	788	789	786	783	785	792	797	799	802	805	804	801	796	794	788	787	793
6 Q	788	790	793	792	790	790	789	790	788	781	780	777	776	780	783	789	793	790	788	787	787	787	787	787	787
7	788	790	791	792	791	789	790	789	786	783	784	788	789	794	805	819	819	821	818	801	790	788	785	786	795
8	787	789	790	790	787	786	773	770	774	768	773	778	787	799	796	801	799	811	822	810	799	792	787	784	790
9	779	787	789	792	793	793	791	790	787	787	787	787	786	786	784	789	794	797	794	794	796	792	788	787	790
10 Q	788	789	792	792	792	792	787	785	787	790	787	787	780	777	786	797	796	792	790	790	792	790	789	785	789
11	779	775	766	779	785	788	789	785	787	783	781	779	776	780	785	796	798	798	796	789	791	790	794	784	786
12	766	773	773	775	773	778	781	780	775	777	777	783	777	780	794	822	822	822	846	831	814	805	754	698	787
13	728	745	768	775	774	783	780	779	777	775	778	775	786	792	804	811	834	862	833	829	827	775	788	788	790
14	788	788	788	789	792	790	792	790	788	781	784	782	777	774	778	783	789	803	817	829	792	782	810	803	791
15	794	795	794	792	790	780	782	783	789	779	785	797	794	795	811	799	855	858	845	834	825	764	757	730	797
16	676	653	705	734	768	779	783	789	796	798	799	798	795	794	795	790	790	796	796	797	788	789	793	793	775
17	773	736	748	770	776	781	784	787	782	783	787	786	784	783	787	794	812	826	819	819	828	810	737	693	783
18 D	596	600	563	572	564	607	677	726	754	784	788	789	794	799	814	824	868	887	888	804	769	809	789	667	739
19 D	643	659	656	648	704	732	753	765	778	785	793	801	798	827	825	850	863	892	841	820	799	794	740	640	767
20 D	657	649	681	677	709	751	776	782	784	790	800	803	831	872	899	857	823	863	857	810	774	654	640	620	765
21 D	647	616	638	736	765	762	769	784	789	785	788	796	838	891	908	885	839	848	844	817	752	622	545	517	758
22 D	699	680	691	676	691	766	757	782	796	785	783	808	838	846	899	885	861	839	820	811	761	755	680	611	772
23	661	692	726	762	769	743	739	760	773	780	794	802	802	822	857	884	853	846	839	825	794	737	757	747	782
24	760	755	776	793	793	779	760	761	779	793	799	794	795	802	821	824	831	838	825	805	793	789	783	735	791
25	685	705	722	754	783	790	793	799	801	802	801	801	802	802	802	802	802	814	816	813	809	790	782	788	786
26 Q	791	788	790	792	797	800	800	798	797	797	799	797	792	792	791	794	796	797	800	807	806	801	797	795	796
27	795	794	796	796	797	797	796	794	795	792	789	784	782	782	783	786	788	802	811	803	800	799	796	793	794
28	793	793	795	793	787	761	774	781	779	778	774	776	777	789	795	799	811	833	838	835	814	772	787	795	793
29 Q	795	796	794	792	783	791	792	790	791	796	795	789	787	783	788	789	792	795	798	798	797	796	796	796	792
30	796	795	795	796	797	793	785	775	781	789	794	794	787	787	791	800	796	798	798	796	796	794	792	775	792
Mean	745	747	754	762	769	773	777	781	785	786	788	789	792	799	808	813	816	826	825	813	797	775	763	744	785

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

20 LERWICK APRIL, 1936

Day	Terrestrial Magnetic Elements																				HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force										
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	18	4	595	392	12	6	203	18	12	73·9	51·7	8	16	22·2	18	10	962	748	23	33	214	1294	1	78·9
2	20	52	475	387	12	33	88	13	38	67·7	24·7	21	40	43·0	16	6	803	730	21	45	73	469	1	78·8
3	19	5	574	339	23	53	235	18	57	74·4	34·7	20	30	39·7	19	0	938	602	23	50	336	1910	2	78·0
4	18	57	449	354	0	2	95	13	38	68·0	44·9	0	8	23·1	20	58	793	619	0	0	174	951	1	77·7
5 Q	19	0	452	382	11	25	70	13	25	68·9	53·2	7	33	15·7	17	35	807	781	11	24	26	223	0	77·2
6 Q	19	5	460	391	12	46	69	13	57	69·6	51·6	7	25	18·0	16	35	794	774	12	3	20	193	0	77·6
7	20	10	458	393	12	15	65	14	20	74·5	52·9	7	53	21·6	17	48	825	781	9	33	44	300	1	77·8
8	19	50	466	362	13	56	104	13	31	76·9	50·8	8	7	26·1	18	54	830	757	9	25	73	492	1	78·0
9	19	22	472	389	11	16	83	13	44	68·8	54·9	6	27	13·9	20	15	799	775	0	26	24	232	0	78·7
10 Q	20	9	459	390	11	22	69	13	30	68·5	54·0	8	35	14·5	15	31	798	775	13	38	23	207	0	79·0
11	19	55	478	390	11	27	88	13	4	67·4	51·4	24	0	16·0	16	48	802	761	2	14	41	319	0	79·1
12	17	40	499	314	22	53	185	15	5	72·3	44·6	0	32	27·7	18	26	851	667	23	2	184	1127	1	79·0
13	16	26	523	402	12	48	121	16	34	73·1	50·8	1	47	22·3	17	4	895	719	0	0	176	998	1	79·0
14	19	24	507	380	10	46	127	13	42	66·9	46·6	19	56	20·3	19	46	855	762	21	10	93	618	1	79·1
15	16	32	582	357	8	16	225	16	35	79·5	46·1	20	13	33·4	16	40	890	689	23	56	201	1265	1	79·0
16	20	25	479	290	1	15	189	14	10	67·4	33·1	1	56	34·3	10	38	800	635	1	14	165	1044	1	78·5
17	18	42	496	-48	24	0	544	24	0	87·9	44·1	23	16	43·8	20	53	841	531	24	0	310	2234	2	78·1
18 D	16	8	602	-48	0	0	650	0	4	93·4	21·8	1	41	71·6	18	24	902	531	0	0	371	2672	2	77·9
19 D	17	4	599	-106	23	36	705	24	0	83·1	24·2	23	44	58·9	17	2	975	580	23	57	395	2864	2	77·5
20 D	18	4	557	120	0	4	437	0	4	87·6	34·6	1	16	53·0	14	24	915	559	21	46	356	2295	2	77·3
21 D	19	35	547	-246	23	54	793	22	32	110·1	6·6	23	25	103·5	14	40	914	372	23	41	542	3679	2	77·1
22 D	14	32	732	-299	0	15	1031	14	6	75·4	23·2	0	15	52·2	14	30	923	506	0	12	417	3437	2	76·8
23	16	43	605	299	5	40	306	15	0	73·4	43·2	20	51	30·2	15	36	891	633	0	1	258	1648	1	76·9
24	16	40	486	385	5	53	101	13	50	67·5	55·3	5	27	12·2	17	4	842	692	24	0	150	847	1	77·1
25	21	26	473	376	12	3	97	13	1	70·5	47·6	21	19	22·9	18	18	818	676	0	33	142	805	1	77·9
26 Q	18	44	467	398	10	15	69	14	35	66·0	53·7	8	13	12·3	20	0	812	786	1	23	26	221	0	78·7
27	17	10	480	392	11	20	88	14	23	67·5	51·3	8	7	16·2	18	5	813	779	13	19	34	286	0	79·7
28	18	15	488	404	13	47	84	14	54	66·9	46·1	22	0	20·8	17	54	842	757	5	15	85	519	1	80·1
29 Q	19	10	460	388	11	44	72	13	30	67·7	51·9	8	10	15·8	19	5	799	779	4	40	20	198	0	80·2
30	18	19	473	392	11	14	81	13	27	66·7	50·5	7	55	16·2	15	15	802	746	24	0	56	379	1	80·6
Mean	--	--	513	277	--	--	236	--	--	74·1	43·3	--	--	30·7	--	--	851	683	--	--	168	1124	0·97	78·4
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 40 Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61

1-3 B/1936/052/01/BB/1140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

21 LERWICK (H) 14,000 γ (·14 C.G.S.unit) + MAY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	414	433	429	447	450	434	437	443	432	419	413	395	398	391	411	428	443	456	460	461	458	454	453	454	434
2	451	455	450	447	450	450	450	446	434	419	412	408	415	432	424	439	444	449	458	457	458	456	451	451	442
3	449	447	443	446	448	445	441	430	416	405	402	406	414	430	436	444	451	463	470	471	464	463	464	468	442
4	470	468	467	457	460	456	451	441	423	409	405	405	430	473	518	439	449	484	522	479	458	418	428	419	451
5	430	435	434	438	434	429	417	404	401	398	401	403	405	409	422	441	460	465	461	463	454	451	451	452	432
6	447	446	444	444	444	444	439	429	411	399	395	400	410	415	426	435	444	461	462	460	453	449	447	445	435
7 Q	447	449	449	450	451	449	440	423	407	392	394	399	414	424	433	440	449	456	458	459	456	451	447	447	437
8 Q	446	447	447	447	448	451	448	439	425	411	403	404	407	414	422	436	452	468	471	463	456	450	447	444	439
9 Q	443	443	441	439	441	438	435	424	408	396	391	395	400	411	416	435	449	460	465	464	460	455	451	450	434
10	449	447	446	443	442	438	433	420	413	404	398	414	399	402	433	436	447	477	504	525	476	458	470	463	443
11 D	446	433	431	435	438	438	434	420	402	383	382	403	418	426	452	421	450	458	461	458	460	462	459	451	434
12 D	441	442	432	430	413	400	417	411	381	391	396	399	388	404	427	449	479	513	521	464	443	341	369	383	422
13	378	411	417	412	433	432	428	419	410	392	390	389	401	408	421	438	458	467	469	462	464	456	441	441	427
14	437	437	437	430	430	438	431	424	405	398	393	393	396	438	485	528	511	507	512	480	457	428	422	427	443
15	421	394	414	416	410	419	413	403	378	379	396	402	408	418	430	435	446	468	468	489	482	436	417	407	423
16	412	411	393	426	418	390	412	404	381	385	381	407	438	444	479	464	481	514	515	483	462	447	400	392	431
17	397	408	404	413	432	429	402	398	392	398	388	390	403	424	437	453	468	469	472	476	460	435	435	426	425
18 D	373	311	409	420	432	432	401	322	335	399	408	417	417	449	475	477	458	470	473	517	472	439	375	348	418
19 D	412	393	376	367	365	368	384	418	402	392	373	385	434	464	467	494	481	451	463	509	464	402	404	429	421
20	419	426	424	399	389	405	407	404	379	376	394	404	411	431	446	482	458	497	510	468	457	447	436	436	429
21	440	436	425	424	408	390	398	414	409	398	390	388	403	409	428	445	463	484	494	470	477	455	446	429	430
22	428	430	436	443	444	439	430	416	403	389	388	395	411	417	434	447	456	447	447	452	454	456	453	453	432
23 Q	449	433	433	436	435	434	427	413	399	386	384	387	400	417	434	444	442	451	452	457	456	453	451	444	430
24 Q	441	441	443	446	445	438	427	417	404	391	390	396	408	419	432	443	451	462	464	460	455	453	450	449	434
25	449	451	451	451	450	447	441	437	429	419	411	404	399	422	428	444	458	464	484	480	464	451	451	451	443
26	456	449	447	451	452	450	441	428	407	384	386	399	427	392	419	451	482	495	504	492	466	459	458	441	443
27	438	441	442	442	439	442	434	421	400	383	375	392	399	410	424	438	467	467	478	473	468	465	450	447	435
28	444	441	447	448	444	438	435	427	408	393	390	397	420	421	423	443	462	508	484	472	470	459	458	453	441
29 D	447	447	447	450	451	450	443	430	417	387	380	424	438	436	432	458	477	501	480	477	483	430	403	427	442
30	436	441	438	438	441	436	418	405	409	409	405	409	414	428	427	436	447	472	492	503	501	486	473	475	443
31	406	342	394	436	451	444	434	424	412	400	397	400	401	423	438	449	456	465	470	468	461	456	455	452	431
Mean	433	429	432	435	435	432	427	418	404	396	394	400	410	423	438	449	459	473	479	475	463	446	439	437	434

11-3 B/1936/051/01/BB/B12

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

22 LERWICK (D) 12°+ MAY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	54·1	53·1	52·2	53·1	54·2	52·4	53·7	53·9	55·8	57·0	60·5	64·0	67·1	67·0	65·9	63·4	60·8	59·3	59·1	60·0	60·2	60·1	59·9	60·2	58·6
2	60·9	62·8	61·0	57·2	55·4	54·1	53·6	54·0	53·5	55·5	59·4	62·8	65·1	65·9	65·2	63·0	61·5	60·2	60·2	60·5	61·0	61·2	60·7	60·2	59·8
3	59·6	60·0	58·6	58·7	56·1	54·2	51·4	51·2	52·8	55·6	59·7	63·1	66·2	67·2	66·1	64·3	63·6	63·2	62·6	62·2	61·9	61·6	61·3	60·2	60·1
4	58·7	58·1	58·4	58·1	58·4	59·4	57·3	58·4	58·3	59·6	62·9	66·6	67·6	68·5	65·7	65·1	63·8	62·9	56·0	55·5	62·4	57·9	59·0	58·3	60·7
5	60·3	59·5	58·4	55·4	53·8	52·4	50·3	51·6	54·3	57·3	61·0	64·4	65·7	65·9	65·2	62·8	60·8	61·2	60·3	61·2	59·9	61·5	61·4	61·3	59·4
6	60·9	60·3	59·4	58·0	55·5	53·6	52·4	52·5	53·9	57·2	63·1	66·7	69·4	67·5	64·4	61·8	59·4	58·2	59·0	59·4	59·7	60·2	60·2	60·2	59·7
7 Q	60·0	59·6	59·5	58·4	56·7	54·3	52·4	51·9	52·8	58·0	63·1	67·5	69·8	67·9	64·4	61·8	60·2	59·0	59·7	60·3	60·6	61·2	61·1	59·9	60·0
8 Q	59·4	59·1	58·4	57·5	56·5	55·7	55·0	54·3	55·0	56·6	61·1	64·4	66·7	66·2	64·3	62·5	60·9	60·9	60·3	60·6	60·8	60·1	60·1	59·6	59·8
9 Q	59·0	58·4	57·9	56·7	55·6	54·4	53·7	53·7	54·0	55·6	58·6	61·6	63·7	64·8	64·3	63·4	62·2	61·8	61·4	61·3	61·3	61·3	60·6	60·3	59·4
10	60·0	59·1	58·1	56·8	55·7	54·6	53·4	53·4	54·2	58·4	62·8	66·7	70·7	71·1	69·4	70·0	70·0	69·4	68·8	67·2	60·5	61·9	59·0	55·4	61·9
11 D	53·8	53·3	56·5	55·4	52·3	52·0	52·0	52·1	54·1	57·5	61·2	67·2	72·4	73·5	74·2	68·9	69·5	68·9	67·1	63·5	62·2	62·1	61·3	59·2	61·3
12 D	60·5	59·4	58·2	55·3	55·6	60·7	60·2	54·4	57·6	61·3	61·1	65·1	68·9	70·6	71·1	66·0	66·9	65·6	67·9	62·3	61·1	60·8	59·0	56·6	61·9
13	63·1	53·7	54·1	57·9	55·5	53·7	52·2	53·9	53·9	56·8	59·0	61·1	63·2	65·1	64·4	63·0	61·8	59·4	59·4	60·3	60·4	55·4	54·0	55·3	58·2
14	56·7	56·9	56·5	55·1	56·3	54·8	52·4	51·7	51·4	54·8	58·0	62·4	65·1	67·9	65·7	66·8	63·8	62·5	60·3	59·8	60·5	54·0	55·1	58·0	58·6
15	58·3	55·7	54·8	54·6	54·7	55·8	53·4	53·7	55·2	58·1	58·5	60·9	63·4	66·1	66·0	65·1	64·0	63·7	61·9	62·7	62·9	55·4	51·0	50·0	58·2
16	47·9	52·9	59·4	52·7	51·8	57·0	59·1	55·4	58·7	59·1	61·3	65·1	68·9	70·5	69·2	70·3	69·2	65·6	62·4	58·8	59·1	60·7	63·1	61·1	60·8
17	57·9	53·9	57·5	58·7	54·8	51·7	50·6	54·9	54·5	56·5	59·0	63·1	66·6	67·8	66·7	64·0	62·7	61·8	61·1	59·2	58·3	57·5	58·0	55·0	58·8
18 D	62·5	51·0	54·5	52·7	54·6	52·4	55·9	60·5	64·3	57·0	58·4	64·2	67·7	69·5	67·5	67·2	64·3	63·0	58·5	46·0	53·7	59·4	68·1	54·6	59·5
19 D	55·1	58·1	61·6	59·4	57·8	56·5	53·7	50·5	48·5	53·7	57·5	62·7	64·4	67·5	68·5	64·6	60·5	59·9	60·8	53·3	60·0	61·4	59·5	58·9	58·9
20	59·9	60·6	57·5	57·6	59·2	57·8	54·8	49·3	49·9	54·1	57·5	61·3	64·5	66·8	63·2	62·7	62·7	63·1	60·3	60·4	61·2	63·3	61·4	61·0	59·6
21	59·5	58·2	57·8	59·2	58·9	56·0	59·8	57·9	54·0	53·0	56·3	58·4	63·1	65·0	63·1	63·3	63·5	57·7	59·7	61·2	58·4	59·8	57·4	56·7	59·1
22	60·5	61·3	59·1	57·7	53·7	51·7	50·1	49·9	50·4	53·8	59·3	63·2	66·0	66·8	63·3	60·7	60·9	60·2	60·9	61·1	61·4	61·3	60·2	60·9	58·9
23 Q	58·4	55·5	58·0	56·9	55·3	53·9	53·7	53·0	53·8	56·8	59·8	63·8	67·1	66·8	65·0	63·5	62·0	61·5	61·4	61·4	61·3	61·1	61·1	59·0	59·6
24 Q	58·4	57·4	56·0	55·3	55·2	54·1	53·2	53·1	53·9	56·5	60·7	64·4	66·3	67·8	67·4	65·5	63·9	62·6	61·6	60·8	60·3	60·0	59·5	59·0	59·7
25	58·4	58·3	57·8	56·7	56·5	56·0	53·9	52·0	51·7	52·0	55·5	59·9	63·1	65·9	67·1	65·3	63·1	61·6	61·8	61·1	58·6	60·6	61·3	61·0	59·1
26	59·4	56·8	59·2	58·1	56·8	54·1	52·6	52·1	52·1	56·8	61·3	65·8	67·9	68·6	68·7	68·0	67·3	63·1	59·2	61·8	62·1	62·8	59·1	59·1	60·5
27	58·9	58·5	57·1	56·3	54·9	52·5	50·0	49·5	52·7	55·4	60·1	62·1	63·5	65·1	64·6	62·3	61·4	59·5	59·1	59·9	60·4	61·3	57·1	58·4	58·4
28	61·0	58·3	53·0	55·0	55·5	55·7	54·0	52·2	52·9	54·8	57·6	62·2	65·8	67·0	66·5	64·2	63·1	63·2	59·3	61·3	61·5	61·3	60·7	61·4	59·5
29 D	59·8	58·3	57·2	55·2	54·0	51·6	50·7	49·2	51·3	51·6	59·4	62·2	64·0	66·6	66·2	65·9	63·5	62·2	59·5	61·0	64·4	59·0	55·5	58·4	58·6
30	56·7	58·0	57·1	52·0	52·2	51·7	53·7	55·7	55·5	56·0	60·1	63·7	64·8	66·0	64·5	63·1	61·8	63·0	63·3	65·4	63·1	61·6	61·1	62·7	59·7
31	62·5	57·0	49·3	45·1	47·3	48·1	49·8	51·1	53·8	56·7	58·6	61·7	63·1	62·1	60·6	59·3	58·3	58·1	59·4	59·6	59·1	59·5	60·2	60·3	56·7
Mean	58·8	57·5	57·3	56·0	55·2	54·3	53·5	53·1	54·0	56·2	59·8	63·5	66·2	67·3	66·1	64·4	63·1	62·0	61·1	60·3	60·3	60·2	59·6	58·9	59·5

11-5/B/1936/053/10/B/40
10-5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

23 LERWICK (V) 46,000 γ (·46 C.G.S.unit) + MAY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	679	710	708	720	758	781	782	779	781	785	787	791	786	791	788	792	794	795	790	788	791	793	793	793	773
2	793	782	766	770	782	787	783	784	788	791	791	790	787	792	800	809	810	797	790	789	792	792	794	793	790
3	795	794	795	792	787	790	789	788	784	780	782	781	778	779	778	780	786	787	785	786	788	789	788	789	786
4	790	791	790	794	791	791	787	787	786	783	781	778	782	789	813	853	842	822	848	844	816	788	776	753	799
5	777	794	800	804	805	806	805	801	791	787	786	782	787	794	799	805	815	811	809	805	808	799	794	790	798
6	795	797	800	801	800	797	796	793	790	783	782	777	780	790	793	799	801	798	796	796	795	792	792	792	793
7 Q	792	793	795	796	796	795	796	793	785	777	767	767	768	776	783	792	794	792	792	791	790	790	789	788	787
8 Q	790	792	795	796	795	794	796	797	795	792	790	787	785	786	786	791	793	790	790	794	795	793	791	790	792
9 Q	792	793	795	797	798	797	799	799	793	787	784	780	777	780	786	788	791	794	791	790	792	790	790	790	791
10	790	791	794	795	796	796	798	797	788	777	770	768	781	781	778	785	787	794	818	840	849	816	802	795	795
11 D	793	787	772	757	780	793	794	795	792	790	777	765	760	768	770	795	783	781	782	787	789	787	788	789	782
12 D	774	752	769	774	782	750	743	757	769	758	770	783	793	800	809	820	810	811	780	762	783	670	672	708	767
13	653	679	735	748	765	786	797	802	801	802	797	790	783	781	783	787	795	804	800	797	795	800	786	771	777
14	782	787	789	785	784	785	792	797	799	792	786	783	781	785	808	834	853	847	831	820	802	780	774	764	798
15	759	712	723	749	763	777	791	796	800	791	782	784	785	782	784	786	789	789	789	802	805	786	774	759	777
16	745	755	692	707	736	740	729	761	777	778	781	780	795	857	874	869	836	858	857	831	810	785	735	683	782
17	695	725	734	739	770	786	787	782	777	780	790	786	777	782	795	800	799	802	804	798	792	794	781	775	777
18 D	715	688	736	756	773	785	786	777	754	755	776	786	797	828	846	849	837	820	821	784	749	766	702	597	770
19 D	674	709	691	712	702	720	756	780	796	802	808	813	828	847	838	849	846	827	808	795	780	735	726	758	775
20	768	763	780	782	768	763	773	790	798	795	787	779	780	787	817	830	831	811	803	812	804	787	764	763	789
21	776	784	788	790	781	772	760	763	778	788	786	787	786	795	808	810	808	808	807	802	796	777	769	770	787
22	764	758	758	781	794	801	800	797	794	795	788	785	793	800	813	818	814	810	796	790	789	786	785	775	791
23 Q	768	766	777	785	793	799	800	803	801	791	782	780	779	779	787	794	800	795	793	789	739	789	786	783	788
24 Q	783	786	786	786	786	789	794	796	795	793	789	782	775	777	780	787	795	800	803	801	798	795	793	793	790
25	790	790	792	794	795	794	799	800	798	794	788	776	770	771	781	783	790	801	804	808	811	802	793	787	792
26	772	770	779	787	789	794	797	799	798	793	785	784	789	808	799	805	814	844	852	834	826	810	790	785	800
27	789	794	798	800	795	797	804	804	800	798	798	788	788	783	785	786	794	811	814	807	801	799	799	798	797
28	788	744	771	789	789	788	789	796	796	787	782	780	779	793	794	792	793	794	819	815	806	803	798	793	791
29 D	792	793	794	794	793	792	792	793	789	786	782	778	803	838	863	841	827	826	839	826	819	789	772	780	804
30	779	785	779	767	771	778	782	782	779	786	787	786	783	790	797	803	803	793	786	793	802	802	793	785	787
31	731	608	650	666	732	765	782	787	789	792	788	782	783	783	789	795	795	796	790	788	789	792	793	792	765
Mean	764	760	766	771	779	783	786	790	789	787	785	783	784	793	801	807	807	807	806	802	798	786	777	770	787

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS:
MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

24 LERWICK MAY, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force							Declination						Vertical Force							
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	19	1	463	385	13	23	78	12	45	68·4	48·1	0	56	20·3	17	42	796	648	0	36	148	805	1	80·8
2	19	47	463	401	11	34	62	13	17	66·3	52·6	6	33	13·7	16	6	813	760	3	16	53	337	0	81·1
3	18	54	472	399	10	29	73	13	7	67·7	50·0	6	5	17·7	0	45	796	777	14	43	19	194	0	81·4
4	14	13	557	395	10	15	162	13	46	70·6	45·3	18	45	25·3	18	36	880	742	23	9	138	879	1	81·9
5	17	24	472	396	9	28	76	13	37	66·2	47·9	6	55	18·3	16	17	817	765	0	0	52	352	0	82·5
6	17	46	472	391	10	30	81	12	23	69·9	51·5	6	46	18·4	16	37	802	775	11	55	27	243	0	82·6
7 Q	19	15	461	387	9	33	74	12	57	70·7	51·2	7	33	19·5	3	50	798	764	12	7	34	266	0	82·5
8 Q	18	8	475	398	9	45	77	12	34	67·5	53·3	7	14	14·2	7	20	799	783	12	38	16	186	0	83·0
9 Q	18	31	467	389	10	16	78	13	19	65·0	53·3	6	40	11·7	6	56	801	775	12	55	26	234	0	83·7
10	19	30	543	385	12	53	158	13	39	71·8	52·2	23	45	19·6	20	16	859	767	11	53	92	659	1	84·0
11 D	14	34	501	365	11	36	136	14	25	77·7	50·2	7	55	27·5	15	14	800	749	12	30	51	435	1	84·6
12 D	18	30	603	240	21	31	363	18	45	87·3	46·3	7	57	41·0	18	20	840	594	21	56	246	1674	2	85·0
13	18	28	473	297	0	13	176	0	9	72·8	50·4	1	59	22·4	17	44	806	634	0	7	172	1058	1	84·8
14	15	5	542	374	12	14	168	13	43	68·9	49·8	8	9	19·1	16	15	857	759	23	30	98	701	1	84·3
15	20	20	503	364	8	53	139	13	43	66·8	48·3	23	40	18·5	20	15	813	701	1	38	112	724	1	84·3
16	18	3	553	351	22	37	202	13	10	73·4	45·5	0	34	27·9	13	54	886	662	23	20	224	1339	1	84·3
17	19	22	502	362	0	16	140	13	25	69·4	47·9	6	1	21·5	19	14	809	679	0	0	130	810	1	84·5
18 D	19	25	547	239	1	10	308	22	44	78·9	38·4	19	23	40·5	15	28	855	555	23	16	300	1848	2	84·6
19 D	19	25	529	331	5	57	198	13	38	70·5	46·1	8	39	24·4	15	50	870	642	0	0	228	1352	1	84·0
20	18	1	521	354	9	2	167	13	56	67·9	47·5	7	24	20·4	14	50	841	756	1	16	85	638	1	83·8
21	17	56	523	377	6	13	146	13	49	65·9	51·3	17	50	14·6	17	45	814	752	6	54	62	500	1	83·0
22	16	25	467	382	10	55	85	13	42	67·3	47·9	7	43	19·4	15	6	821	749	2	3	72	459	0	82·9
23 Q	19	25	459	381	10	35	78	12	34	67·9	52·6	7	46	15·3	7	25	803	763	1	6	40	299	0	82·7
24 Q	18	13	467	388	10	0	79	14	1	68·4	52·7	7	8	15·7	18	53	804	773	12	7	31	259	0	82·8
25	18	35	489	396	12	34	93	14	25	67·5	51·3	7	49	16·2	20	7	814	766	12	51	48	359	0	83·0
26	18	26	513	375	10	30	138	14	16	69·4	50·5	8	35	18·9	16	10	862	765	1	21	97	653	1	83·8
27	16	54	481	373	10	32	108	13	55	65·4	48·8	6	37	16·6	17	42	817	783	13	47	34	315	0	84·0
28	17	36	517	388	10	25	129	13	34	67·7	50·5	7	36	17·2	18	17	825	736	1	40	89	603	1	83·6
29 D	17	50	506	357	10	3	149	13	49	70·2	45·1	9	34	25·1	14	27	870	759	22	1	111	734	1	82·8
30	19	9	509	400	10	16	109	23	56	69·3	48·6	3	56	20·7	15	40	804	754	24	0	50	391	1	82·0
31	18	49	480	268	1	15	212	0	55	72·1	42·2	3	32	29·9	15	56	798	575	1	12	223	1349	1	81·5
Mean	--	--	501	364	--	--	137	--	--	69·9	48·9	--	--	21·0	--	--	825	725	--	--	100	666	0·68	83·2
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 40. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56-61

11-3 / 10-5 | B | 1936 | 062 | 01 | 33 | 40

25 LERWICK (H)

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

14,000 γ (·14 C.G.S.unit) +

JUNE, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	448	448	449	451	451	446	435	420	400	387	412	422	443	446	432	445	463	469	490	488	484	474	457	456	447
2 D	451	454	454	437	417	406	413	427	421	415	413	415	408	422	437	453	470	527	556	507	439	373	367	349	435
3	387	427	424	428	410	411	430	424	412	401	390	399	398	406	426	450	462	471	478	478	469	471	465	457	432
4	455	445	448	448	447	444	437	425	413	404	398	399	407	415	443	437	451	456	463	465	463	463	462	450	439
5 Q	445	442	439	441	441	440	436	427	406	400	405	407	402	400	412	432	442	461	471	468	457	450	447	449	434
6 Q	449	446	443	442	444	443	436	423	413	404	398	400	408	418	421	431	450	461	469	471	466	458	454	450	437
7	447	447	447	448	446	441	438	435	427	407	396	400	408	420	427	444	457	478	479	486	476	464	458	460	443
8	461	453	442	446	451	451	449	437	423	407	402	400	404	422	432	430	469	511	487	494	487	470	396	405	443
9 D	455	460	464	435	355	427	409	343	354	356	375	398	426	407	405	446	443	474	483	472	473	463	443	440	425
10 D	441	446	429	407	419	405	415	429	413	402	394	386	428	423	434	437	473	481	495	510	482	462	441	390	435
11	407	378	414	437	436	429	425	420	410	404	403	407	422	425	455	457	449	462	474	466	468	456	448	450	433
12	438	437	432	427	425	420	417	401	410	410	407	410	412	417	425	442	445	459	458	465	462	458	441	432	431
13	423	410	424	443	429	417	431	421	413	403	397	395	408	429	424	442	461	480	503	507	481	464	445	439	437
14	444	441	438	432	445	431	410	407	420	413	410	418	423	413	424	448	494	495	498	484	467	457	440	423	441
15	428	410	391	363	423	435	420	419	392	363	381	402	398	418	454	470	496	522	503	481	470	432	423	444	431
16	413	420	436	438	432	414	426	419	397	398	393	389	405	456	482	485	484	490	492	484	482	451	443	437	440
17	418	439	432	436	438	436	427	412	407	409	408	414	407	423	431	440	454	472	485	481	476	461	449	439	437
18	436	438	436	439	440	439	434	425	410	400	398	399	411	415	441	450	487	488	483	493	507	498	428	328	438
19 D	406	439	226	-96	-23	107	25	91	92	205	353	399	545	619	607	587	515	483	474	476	481	469	448	438	349
20	438	446	446	442	441	443	420	408	393	385	383	382	391	398	410	418	433	454	466	453	446	437	437	434	425
21	431	431	429	431	440	434	428	416	405	389	372	373	387	412	435	438	450	441	455	460	462	456	453	447	428
22	440	439	442	436	439	437	430	422	411	393	387	386	396	414	437	466	479	475	476	479	457	450	445	444	437
23 Q	443	442	438	438	438	439	434	421	411	395	385	377	386	395	415	430	445	459	466	466	466	458	453	452	431
24	451	450	452	453	450	451	452	445	426	409	395	391	400	412	431	465	497	476	455	480	481	470	456	446	446
25	442	442	446	442	449	455	447	434	425	413	405	406	417	426	434	447	457	465	464	471	467	460	453	451	442
26	452	452	452	455	453	445	436	428	418	403	403	410	418	424	446	422	462	454	474	493	488	466	437	427	442
27	415	421	410	443	442	439	436	429	415	400	393	396	410	422	433	448	459	469	472	469	462	455	455	451	435
28	442	440	445	446	448	444	438	429	416	399	392	399	403	416	426	440	451	460	469	472	467	469	466	460	439
29 Q	453	455	450	450	449	447	445	444	433	413	403	409	418	422	422	438	448	462	478	475	469	453	442	441	442
30 Q	440	439	438	444	446	442	436	431	425	419	409	405	418	414	428	442	461	474	486	483	472	465	452	452	443
Mean	437	438	431	420	421	424	417	410	400	394	395	400	413	425	438	449	464	474	480	479	471	458	443	435	434

11-3 / 10-5 | B | 1936 | 061 | 01 | BB | B12.

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

26 LERWICK (D)

12° +

JUNE, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 D	59·0	57·5	56·4	56·1	55·5	53·5	52·7	55·5	58·7	58·5	64·3	70·7	66·1	66·3	65·1	63·9	63·1	64·1	63·2	64·7	59·1	57·3	59·2	59·9	60·4
2 D	58·4	57·4	54·1	50·8	50·8	56·4	55·6	53·9	53·5	57·0	61·0	65·1	66·0	66·5	66·6	65·3	65·1	67·2	65·5	61·4	57·3	54·2	56·2	59·8	59·4
3	55·6	53·8	52·2	52·6	52·3	53·6	52·1	55·0	54·0	55·0	59·8	62·5	65·8	65·4	64·8	64·0	64·1	61·6	61·3	61·1	60·4	61·2	59·1	55·0	58·4
4	56·1	56·0	56·0	55·4	54·1	54·1	53·6	52·0	51·2	52·0	55·1	59·9	64·2	66·2	66·0	63·2	62·6	61·6	60·3	59·8	59·0	59·5	58·0	57·8	58·1
5 Q	58·6	57·7	56·8	55·7	54·9	52·9	51·2	52·8	53·0	54·2	55·3	57·6	61·1	63·4	62·6	61·8	61·5	60·9	60·6	59·9	59·4	59·1	59·5	59·4	57·9
6 Q	59·4	58·2	57·2	54·8	53·9	53·4	52·1	51·1	50·4	51·5	54·1	57·9	61·0	62·5	63·2	62·7	61·6	60·2	59·2	59·7	60·4	59·8	59·8	59·7	57·7
7	58·5	57·7	57·4	56·8	55·6	55·1	54·7	53·7	53·4	54·6	57·5	61·7	65·4	67·1	68·2	67·3	65·1	63·3	61·4	61·0	60·8	60·1	59·4	59·9	59·8
8	61·0	59·9	53·7	51·3	51·8	52·0	50·3	49·9	50·3	53·5	56·2	61·3	65·8	67·0	65·9	64·8	64·5	65·3	62·5	62·4	60·8	61·7	53·5	46·5	58·0
9 D	55·2	55·5	57·2	57·6	55·8	54·5	53·4	53·3	63·4	59·2	62·8	62·0	66·7	70·0	64·3	67·8	66·4	65·1	64·7	61·4	61·6	58·4	59·4	53·4	60·4
10 D	54·2	54·4	53·9	54·6	53·3	50·0	50·5	49·3	48·7	51·1	55·1	59·6	64·0	67·1	67·7	64·9	63·9	59·6	61·0	55·8	58·4	62·2	61·8	59·4	57·5
11	58·1	61·3	56·4	54·4	53·2	53·7	50·2	50·6	50·3	53·5	56·8	59·9	62·1	62·8	62·9	62·9	61·9	61·5	61·2	59·5	59·1	59·4	59·5	59·7	58·0
12	55·3	58·1	54·5	53·0	51·2	51·8	52·8	53·7	56·3	58·0	59·3	61·2	62·9	63·0	62·1	61·0	59·7	59·5	59·8	60·7	60·0	58·3	55·2	55·0	57·6
13	54·7	50·1	53·2	50·1	49·9	51·7	50·7	52·4	54·8	57·8	59·8	61·9	63·7	65·8	64·9	65·7	63·8	62·8	63·5	57·3	59·9	61·5	58·6	57·6	58·0
14	54·2	54·4	54·8	52·7	51·5	53·6	53·5	53·2	53·3	54·6	57·1	60·1	62·9	63·0	62·3	61·4	61·3	57·7	56·3	58·9	58·7	59·1	62·5	53·6	57·1
15	49·3	55·6	61·5	56·9	51·4	49·7	49·8	52·0	50·8	55·6	57·7	61·3	62·9	63·8	66·1	62·9	63·5	61·2	61·5	61·4	60·2	62·5	60·4	58·2	58·2
16	58·8	60·7	59·6	52·7	53·6	51·1	50·5	49·4	51·4	52·5	56·5	59·8	61·8	64·7	63·3	57·9	59·8	60·1	61·1	60·3	59·0	58·5	59·4	59·9	57·6
17	59·6	55·0	53·7	55·1	52·8	52·0	51·1	49·6	50·3	53·5	57·0	59·7	62·8	62·6	62·1	61·2	60·5	60·3	60·0	58·6	58·5	59·0	58·8	60·9	57·3
18	59·4	55·6	55·0	54·7	53·8	52·6	50·5	50·4	51·2	52·6	55·7	61·0	64·4	66·7	66·8	64·5	65·0	62·9	59·9	62·6	62·8	62·1	58·9	47·7	58·2
19 D	49·7	48·9	50·7	61·6	55·9	56·9	67·8	53·4	55·0	55·7	53·6	58·8	65·1	67·6	72·5	68·6	69·7	69·8	70·3	68·1	68·0	62·8	60·9	59·0	61·3
20	56·4	56·2	52·9	52·0	49·5	47·8	47·5	51·9	52·5	54·1	56·5	59·1	61·0	62·0	63·6	62·4	60·2	58·2	59·2	58·7	58·7	58·8	58·0	57·2	56·4
21	56·6	55·6	54·9	53·9	51·3	51·5	50·6	52·4	53·4	55·4	57·5	60·9	63·3	65·2	64·9	62·2	59·8	59·2	58·0	57·8	58·2	58·2	58·1	58·4	57·4
22	57·7	56·0	53·5	54·5	52·8	50·3	48·8	49·8	50·3	54·4	57·2	61·0	63·1	64·0	63·4	63·4	61·4	59·3	60·6	59·4	61·9	61·1	60·1	59·7	57·7
23 Q	58·7	58·2	56·1	53·3	51·6	51·1	50·8	50·4	50·8	54·4	57·6	60·1	62·4	64·2	63·9	61·2	59·2	58·6	59·2	60·1	60·1	59·8	59·3	59·6	57·5
24	58·6	57·2	57·2	55·7	55·1	53·7	50·3	49·6	50·2	52·9	56·5	61·4	65·5	66·3	66·1	65·0	62·2	60·5	60·5	61·3	59·2	59·7	59·6	60·0	58·5
25	56·3	55·5	57·3	59·3	58·7	53·4	50·6	49·9	50·2	51·8	55·1	57·8	61·0	62·2	61·7	61·2	60·1	59·2	59·2	59·1	58·7	57·5	57·2	56·8	57·1
26	56·4	56·5	55·5	54·5	52·5	50·6	49·2	49·5	50·3	55·1	58·9	61·3	64·4	65·5	66·3	65·1	65·1	62·4	61·2	61·5	61·3	60·2	55·9	56·4	58·1
27	53·6	51·4	49·0	50·3	50·8	49·6	49·6	50·2	52·0	52·6	55·4	59·3	62·6	63·5	63·6	62·8	61·7	61·5	61·9	61·0	59·8	58·9	58·6	58·4	56·6
28	55·6	52·5	53·1	52·5	51·3	50·5	50·0	50·5	51·5	52·7	54·6	56·8	60·3	63·2	64·2	64·9	64·4	62·7	62·3	61·4	59·7	59·1	58·9	58·1	57·1
29 Q	57·0	56·7	53·3	53·4	53·5	53·4	51·6	49·6	49·3	51·7	54·9	57·8	60·5	61·7	63·3	64·1	63·0	60·8	59·6	58·2	57·6	58·8	58·4	57·1	56·9
30 Q	56·8	54·6	55·7	53·6	52·9	51·7	50·1	50·3	51·6	53·9	57·6	61·2	64·2	64·9	64·8	64·5	63·4	62·6	62·1	60·7	60·1	59·7	58·8	56·3	58·0
Mean	56·6	55·9	55·1	54·3	53·0	52·4	51·7	51·5	52·4	54·3	57·2	60·6	63·4	64·8	64·8	63·6	62·8	61·7	61·2	60·5	60·0	59·6	58·8	57·3	58·1

10-5 IB/1936/063/01/BB/460

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

27 LERWICK (V) — 46,000 γ (·46 C.G.S. unit) + — JUNE, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	793	792	793	793	791	788	788	785	785	790	791	798	797	798	802	804	802	798	798	798	790	782	789	790	793
2 D	798	800	798	793	779	752	756	763	774	782	785	778	779	782	787	789	793	799	811	782	769	741	707	677	774
3	699	729	732	729	741	755	758	767	773	785	797	794	799	803	808	815	824	818	808	799	797	798	781	735	777
4	770	788	794	797	794	793	789	790	789	790	789	788	787	790	796	811	805	797	790	789	792	793	788	788	792
5 Q	792	794	798	799	795	792	793	791	788	782	785	791	803	801	799	799	800	797	795	794	793	792	791	789	794
6 Q	787	787	793	798	798	796	796	797	790	780	779	780	779	784	789	793	797	796	794	793	793	793	790	789	790
7	790	793	794	794	795	794	792	790	786	785	781	773	766	766	774	776	782	788	793	791	793	793	790	786	786
8	776	763	753	770	779	784	787	793	792	787	782	774	776	776	790	802	803	812	838	829	820	793	715	685	782
9 D	757	782	779	728	708	723	743	759	730	748	760	758	753	783	835	859	871	823	807	800	794	803	789	796	779
10 D	799	796	797	774	779	770	766	769	782	787	785	790	793	814	800	808	809	832	819	817	809	801	791	747	793
11	732	710	718	762	783	794	801	800	801	795	785	781	785	801	803	816	817	809	803	802	798	798	794	776	786
12	747	738	746	750	769	782	784	785	783	782	782	778	778	782	785	789	794	793	795	794	799	796	789	767	779
13	750	735	741	756	767	771	775	778	781	776	772	774	778	779	790	786	795	799	801	816	810	798	790	793	780
14	788	791	770	755	762	762	769	774	779	788	785	780	788	794	788	789	796	821	823	809	802	797	758	697	782
15	715	732	684	652	727	753	779	782	785	788	786	784	789	789	792	817	821	824	821	814	805	778	750	762	772
16	738	710	717	737	768	779	783	792	797	795	794	801	802	805	816	831	815	804	799	808	780	785	790	779	784
17	752	752	773	785	786	788	789	793	791	785	785	786	795	795	800	803	806	807	806	809	803	800	798	784	790
18	767	775	785	793	795	798	799	799	796	790	787	787	784	782	779	787	787	799	809	800	793	795	739	659	783
19 D	664	718	654	564	495	631	665	688	740	795	861	870	935	914	893	884	869	856	837	833	824	841	829	815	778
20	814	810	817	812	810	806	809	806	811	811	809	808	816	822	827	822	821	815	809	810	811	808	799	797	812
21	799	802	806	808	809	811	812	809	808	804	806	802	803	799	798	804	809	813	809	808	804	801	799	798	805
22	799	800	803	804	806	808	807	803	801	798	801	799	801	797	793	800	816	824	816	814	809	803	801	798	804
23 Q	798	798	801	805	807	809	806	798	796	799	798	792	788	785	782	788	795	799	803	805	805	805	801	797	798
24	794	796	798	800	804	799	795	798	799	798	794	785	778	780	785	787	804	826	830	815	810	809	805	789	799
25	782	791	793	797	787	790	801	806	803	794	792	785	787	787	787	787	788	789	792	795	797	798	797	794	792
26	792	790	792	792	794	799	799	799	799	797	793	792	788	783	782	795	785	799	799	798	804	809	795	761	793
27	737	711	715	735	771	788	795	797	799	802	801	794	787	783	784	786	785	788	789	792	796	797	794	791	780
28	773	774	782	788	789	789	790	796	793	793	784	776	777	779	783	787	788	789	791	792	794	794	794	794	787
29 Q	796	788	791	792	789	787	786	787	790	793	786	776	772	776	781	778	780	783	790	803	805	803	799	794	789
30 Q	792	787	784	782	787	789	793	793	790	787	785	782	780	784	780	778	787	791	791	797	799	798	788	782	788
Mean	770	771	770	768	772	779	783	786	788	790	791	789	791	794	797	802	805	806	806	804	800	797	785	770	788

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

28 LERWICK — JUNE, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1 D	16	47	529	379	9	22	150	11	34	73·8	36·5	21	4	37·3	16	46	811	759	21	23	52	459	1	81·1
2 D	18	29	569	312	23	47	257	17	45	70·0	48·2	4	19	21·8	18	7	823	635	24	0	188	1250	1	81·1
3	19	10	488	338	0	6	150	12	40	66·4	50·7	6	17	15·7	16	45	832	634	0	1	198	1143	1	81·1
4	19	48	472	381	11	56	91	13	55	67·1	50·7	8	27	16·4	15	11	815	760	0	0	55	388	1	81·6
5 Q	18	40	473	394	9	7	79	13	30	63·9	50·3	6	27	13·6	12	57	804	780	9	26	24	226	0	81·9
6 Q	18	31	474	395	10	43	79	14	4	63·5	50·1	8	44	13·4	4	0	799	777	10	10	22	217	0	82·0
7	19	45	496	393	10	40	103	14	27	68·6	52·8	8	15	15·8	19	17	796	762	13	31	34	307	0	82·2
8	17	51	555	297	22	55	258	17	52	67·8	35·5	22	41	32·3	18	33	847	607	22	53	240	1495	1	82·6
9 D	17	51	527	307	4	20	220	16	8	76·7	45·3	6	6	31·4	16	20	895	687	4	35	208	1290	1	82·8
10 D	19	49	528	363	23	50	165	14	45	69·3	46·9	5	10	22·4	17	31	841	702	23	57	139	889	1	83·0
11	15	3	486	359	1	33	127	1	22	66·0	48·4	6	49	17·6	15	56	821	665	1	48	156	913	1	83·6
12	19	48	475	394	7	27	81	13	31	63·7	49·9	4	31	13·8	20	15	801	736	1	10	65	421	1	84·4
13	19	44	523	389	10	25	134	13	56	67·7	47·0	1	22	20·7	19	40	823	724	1	14	99	656	1	84·7
14	16	47	525	389	7	15	136	22	30	65·5	45·6	23	51	19·9	18	8	832	688	23	22	144	870	1	85·1
15	17	53	549	326	3	10	223	14	48	67·7	45·3	0	53	22·4	17	5	830	638	3	35	192	1220	1	85·1
16	20	17	506	381	11	30	125	13	30	66·0	47·0	7	3	19·0	15	33	841	700	1	33	141	840	1	84·8
17	18	22	489	398	12	29	91	13	0	63·1	49·0	7	34	14·1	16	55	812	746	0	46	66	440	0	84·9
18	20	16	528	256	23	10	272	14	7	68·2	39·2	23	35	29·0	18	16	811	627	24	0	184	1253	1	85·6
19 D	13	2	654	-537	3	54	1191	3	47	108·8	22·1	4	47	86·7	12	58	979	354	4	32	625	4640	2	85·0
20	18	18	471	367	11	15	104	15	3	64·2	44·4	4	45	19·8	14	35	831	795	23	50	36	318	1	86·5
21	18	57	467	365	10	46	102	14	0	65·7	49·5	6	31	16·2	17	20	816	796	14	43	20	241	0	87·2
22	16	10	493	375	10	48	118	13	50	65·8	47·3	6	28	18·5	17	25	826	787	13	54	39	353	0	88·6
23 Q	19	0	471	372	11	16	99	13	54	64·8	50·1	7	40	14·7	5	27	809	781	14	35	28	274	0	89·8
24	16	15	503	389	11	18	114	13	45	67·1	49·5	7	3	17·6	18	14	835	776	12	45	59	440	1	91·0
25	19	53	472	402	11	14	70	13	40	62·8	49·6	8	1	13·2	7	43	808	779	0	53	29	237	0	91·0
26	18	58	507	397	10	33	110	16	19	67·4	48·5	6	30	18·9	21	37	811	740	23	49	71	490	1	90·4
27	18	40	473	390	10	58	83	12	47	63·9	45·9	2	18	18·0	10	4	804	699	2	15	105	611	1	90·0
28	19	23	474	391	10	20	83	15	45	65·0	48·8	6	27	16·2	21	24	798	761	0	57	37	293	0	89·5
29 Q	18	52	484	402	10	25	82	15	40	64·5	48·6	8	2	15·9	20	10	808	771	12	34	37	291	0	89·0
30 Q	18	35	494	402	11	34	92	14	4	65·4	49·6	6	32	15·8	20	30	801	776	15	0	25	249	0	89·0
Mean	--	--	505	339	--	--	166	--	--	68·0	46·4	--	--	21·6	--	--	825	715	--	--	111	757	0·67	85·5
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 40. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tabl

11-3/68 10-5/B/1936/042/01/BB/140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

29 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — JULY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	455	448	447	451	450	444	434	425	416	410	409	410	424	432	440	450	451	457	463	468	472	463	458	452	443
2 D	460	467	474	479	462	435	437	418	372	360	368	392	424	485	621	722	499	464	471	488	449	440	428	416	460
3	343	277	434	432	424	432	426	410	404	403	400	403	414	428	422	442	453	458	471	478	454	442	435	430	421
4	429	428	428	426	427	425	425	417	409	390	391	399	411	412	420	438	455	457	468	455	456	463	447	445	430
5	443	444	453	452	464	464	457	427	430	400	379	394	423	442	440	447	487	511	481	490	458	450	441	442	447
6 D	378	318	414	443	444	435	419	411	411	406	409	431	466	576	569	557	496	506	471	462	448	447	405	375	446
7	368	321	385	413	436	443	429	415	399	352	351	383	427	406	430	445	479	509	488	481	466	447	442	436	423
8	442	434	434	429	431	435	420	408	396	391	391	404	408	429	437	431	453	470	472	496	455	447	444	434	433
9	433	436	438	440	438	430	425	420	413	400	396	393	401	427	437	454	473	480	485	484	468	446	442	438	437
10 D	443	438	443	435	427	404	429	432	423	411	409	403	399	413	465	567	584	534	525	440	369	304	228	228	423
11 D	276	300	353	393	429	432	419	404	374	345	381	407	429	450	505	546	521	511	503	482	461	440	419	422	425
12	436	418	415	435	443	440	438	426	420	407	406	400	399	401	420	435	449	466	477	485	480	491	448	428	436
13	438	428	421	421	401	411	434	432	422	401	385	394	432	439	447	462	488	492	501	470	447	442	441	438	437
14 Q	435	435	438	437	435	432	428	424	417	404	396	401	398	413	424	446	470	479	477	472	466	449	439	436	435
15 Q	435	431	438	435	434	423	415	415	413	401	396	401	405	429	440	443	448	457	465	453	457	453	445	443	432
16	442	441	418	375	404	422	428	419	420	401	395	392	397	417	428	442	459	477	479	468	470	468	464	458	433
17	457	439	416	422	445	440	427	424	413	407	401	401	404	434	444	465	466	500	512	511	471	463	463	480	446
18	470	463	439	444	445	440	431	419	400	393	395	398	404	413	419	443	457	460	475	480	468	457	451	450	438
19	445	432	437	443	442	434	434	431	415	402	395	404	413	429	442	444	455	463	463	465	463	457	457	448	438
20	437	429	439	441	438	425	428	417	407	411	407	407	413	424	460	468	482	486	462	456	450	446	444	447	439
21 Q	446	441	440	441	445	447	443	435	422	407	400	393	396	413	429	452	468	470	474	467	463	455	449	447	439
22	447	447	445	443	441	446	440	426	408	396	400	403	410	426	432	436	442	457	467	473	473	462	453	440	438
23 Q	441	441	443	446	446	442	435	425	410	396	386	387	403	423	432	435	448	454	456	457	455	452	451	450	434
24 Q	449	446	446	448	446	443	439	429	417	417	416	418	424	423	417	437	459	470	475	478	471	462	457	455	443
25	452	449	448	448	443	444	443	435	424	412	411	394	387	406	413	443	461	467	475	473	470	460	456	448	440
26	446	452	449	445	443	436	427	419	405	397	395	404	416	431	443	452	460	461	460	457	453	450	448	445	437
27	445	440	440	444	446	446	442	434	422	407	403	405	417	434	440	457	452	474	489	480	469	452	452	443	443
28	430	432	424	408	440	448	426	415	402	395	396	416	430	436	446	435	445	455	465	465	460	454	450	452	434
29 D	452	452	452	451	449	441	444	448	438	414	410	414	438	424	531	498	503	549	551	499	467	412	405	416	457
30	391	357	363	400	388	416	423	406	399	396	397	398	402	415	435	441	447	451	456	454	449	445	440	438	417
31	435	435	437	438	438	436	435	430	421	401	389	414	428	433	431	448	485	481	479	468	464	460	444	449	441
Mean	429	420	431	434	437	435	432	422	411	398	396	402	414	431	450	467	471	478	479	473	459	448	437	433	437

01/BB/1012

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

30 LERWICK (D) — 12° + — JULY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	56·9	55·4	54·6	54·1	51·7	49·3	49·6	49·9	51·6	54·7	58·4	62·6	63·9	64·9	64·7	64·5	63·3	61·8	60·2	60·0	69·2	58·4	58·5	57·2	57·7
2 D	56·0	53·6	52·4	51·3	48·6	44·9	43·8	37·6	41·7	47·9	50·9	54·1	60·2	63·0	61·2	64·8	60·7	61·7	61·2	65·3	60·0	61·3	57·6	57·1	54·9
3	59·8	56·6	53·5	53·5	53·2	53·0	54·2	57·1	58·6	56·9	60·1	62·9	65·3	65·4	65·4	64·4	62·8	61·8	59·9	59·4	60·6	60·5	58·7	57·5	59·2
4	56·2	55·3	54·2	53·3	52·6	52·2	51·7	52·2	53·1	54·7	57·8	60·2	61·5	61·5	61·4	60·7	59·3	59·3	60·0	59·2	58·6	60·1	58·3	58·3	57·2
5	57·3	56·9	56·5	55·5	55·2	56·0	55·6	61·5	59·5	54·9	55·6	60·2	63·4	64·8	64·6	62·6	62·4	61·4	57·5	58·7	58·7	59·1	58·4	58·6	59·0
6 D	55·5	44·2	47·4	51·6	54·4	54·6	55·4	52·8	53·6	56·1	57·7	56·5	63·3	63·8	68·8	68·1	65·5	64·0	65·0	65·0	62·3	58·2	55·6	57·8	58·2
7	49·4	51·4	57·1	53·5	52·0	51·9	50·2	48·9	48·2	50·1	56·0	58·3	62·4	61·8	62·1	62·1	62·9	62·2	60·5	60·1	60·4	59·0	58·5	58·0	56·5
8	58·2	55·7	52·0	51·9	56·6	53·7	52·6	52·9	51·9	54·0	55·9	59·8	64·7	67·1	66·5	65·2	64·8	63·3	61·9	57·7	58·2	58·4	56·7	58·3	58·3
9	56·2	55·8	54·6	54·0	52·5	50·6	49·1	49·0	49·5	51·5	52·0	54·8	58·3	61·0	62·6	62·6	61·9	62·1	61·9	60·8	60·2	58·3	58·8	56·8	56·5
10 D	56·4	55·6	53·8	53·4	56·1	54·6	56·8	52·0	52·7	50·5	51·9	58·2	63·5	66·9	69·1	67·0	66·4	63·5	68·1	66·2	62·9	51·6	54·8	45·3	58·2
11 D	40·7	41·4	51·3	49·3	52·0	51·1	49·5	49·9	50·2	56·7	58·0	58·8	62·2	65·0	70·1	66·5	77·0	72·5	67·1	63·0	61·9	60·0	60·1	60·3	58·1
12	56·8	55·0	54·0	55·7	51·6	50·7	49·2	49·4	49·7	52·1	55·6	58·2	59·9	62·8	63·9	63·7	62·6	60·4	59·7	60·0	58·7	55·3	51·1	55·2	56·3
13	53·4	56·5	58·3	50·9	54·5	57·2	52·2	50·9	52·1	53·5	55·4	58·1	57·7	62·1	60·6	61·5	58·2	60·4	58·3	59·8	59·7	59·2	58·8	58·2	57·0
14 Q	57·5	56·8	56·1	55·7	54·0	52·6	51·1	49·3	49·6	51·8	52·9	55·5	59·9	62·9	63·2	62·2	60·9	59·6	60·0	60·5	59·3	59·6	58·3	57·9	57·0
15 Q	57·7	56·3	56·1	54·7	53·6	52·8	52·8	54·7	53·7	55·0	57·1	60·2	63·6	64·8	63·1	61·6	60·7	60·0	59·3	58·1	57·2	57·2	58·5	58·4	57·8
16	57·1	56·8	62·9	58·9	59·0	56·3	48·3	43·4	45·5	50·4	54·1	57·1	60·2	63·4	62·3	61·7	61·8	62·0	60·7	60·7	60·7	59·6	58·6	59·6	57·5
17	55·7	56·0	57·9	52·0	51·3	50·2	50·3	50·9	52·1	54·3	56·6	59·9	63·6	65·0	66·3	66·6	64·8	66·4	66·6	57·7	60·2	59·2	57·8	57·1	58·3
18	57·0	55·6	57·8	55·7	54·2	53·9	52·2	51·9	53·5	54·0	56·9	60·6	63·2	64·7	65·0	63·0	61·6	60·6	60·4	59·5	57·7	58·9	57·6	58·2	58·1
19	57·1	59·8	58·9	55·6	52·9	52·2	51·1	49·8	50·2	51·0	54·0	57·4	63·0	64·9	62·4	61·7	60·0	58·8	57·2	58·0	57·4	57·2	57·0	55·8	56·8
20	57·0	60·7	59·1	56·0	54·2	55·8	54·8	53·2	53·6	52·3	54·3	59·8	63·6	63·9	64·0	63·6	59·9	61·0	58·5	58·8	59·4	59·2	58·5	58·0	58·3
21 Q	57·8	58·5	58·0	55·2	53·0	51·2	49·9	50·2	51·2	51·8	54·2	58·3	62·7	64·3	63·7	61·9	60·1	58·8	57·7	57·9	58·0	57·8	57·8	57·8	57·0
22	57·8	57·4	57·8	57·7	54·4	51·9	50·3	49·9	50·3	51·5	54·6	58·8	61·5	62·3	61·8	60·2	58·8	57·8	58·1	58·2	58·1	58·0	58·1	56·9	56·8
23 Q	57·4	57·1	56·2	55·2	54·2	52·5	51·5	51·0	52·6	55·2	60·0	63·2	64·7	63·3	62·4	61·4	60·0	58·3	57·5	58·0	57·8	57·6	57·8	58·0	57·6
24 Q	58·0	57·8	56·0	54·8	53·7	51·6	51·4	52·8	54·8	55·9	57·3	61·2	64·3	65·4	64·6	63·6	60·9	59·5	59·2	59·3	58·1	57·8	58·6	59·1	58·2
25	58·9	56·0	54·2	53·3	51·4	51·0	48·1	48·4	49·3	52·2	54·8	60·4	66·4	67·7	64·6	62·4	59·8	57·6	56·6	57·1	58·2	54·0	55·9	55·7	56·4
26	57·1	57·8	52·2	52·2	51·7	51·7	50·2	50·0	51·5	56·0	58·7	62·8	66·2	65·9	64·4	63·3	61·4	59·1	58·1	57·8	58·0	57·8	58·6	56·3	57·4
27	56·0	55·3	54·2	52·9	51·2	49·8	49·7	49·3	50·2	53·1	56·9	60·9	64·6	66·1	65·4	65·7	62·0	60·3	59·5	57·8	55·2	57·9	58·3	57·1	57·1
28	57·1	47·9	52·4	52·7	50·2	46·4	48·1	50·1	51·5	55·7	59·1	63·4	66·1	66·0	65·2	61·5	59·8	59·6	59·9	59·8	59·2	58·9	58·5	58·0	57·0
29 D	56·6	55·4	54·2	53·4	52·6	52·9	54·0	55·4	58·2	61·7	64·9	65·5	64·5	65·9	69·0	69·2	73·2	68·3	60·0	58·3	59·0	61·5	56·1	57·7	60·3
30	57·8	62·6	62·3	58·0	53·6	53·3	53·8	52·3	54·3	53·1	55·1	58·2	60·3	61·6	61·0	59·1	57·3	56·9	56·9	57·2	57·6	57·4	57·1	56·4	57·2
31	55·1	54·5	53·9	53·1	51·9	50·8	51·2	52·8	54·4	56·5	59·5	61·4	64·5	65·9	65·3	63·8	61·7	54·7	56·7	58·6	58·9	57·3	53·1	54·7	57·1
Mean	56·2	55·3	55·5	54·0	53·2	52·2	51·2	51·0	51·9	53·7	56·3	59·6	62·9	64·3	64·3	63·4	62·3	61·1	60·1	59·6	59·1	58·3	57·4	57·1	57·5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

31 LERWICK (V) 46,000 γ (·46 C.G.S.unit) + JULY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	784	791	794	794	794	795	798	795	794	793	791	789	785	786	789	791	794	793	788	785	787	792	794	794	791
2 D	789	788	786	784	791	794	776	774	784	780	789	815	874	965	1019	1019	965	886	869	775	801	809	794	778	833
3	732	658	765	798	794	801	808	809	805	807	812	809	809	816	816	811	812	811	810	807	802	805	805	805	796
4	806	807	806	806	807	806	803	800	800	802	803	802	798	800	800	796	794	796	798	807	804	800	803	801	802
5	800	802	801	790	781	769	778	781	775	788	810	817	829	832	826	833	831	837	847	828	815	803	801	794	807
6 D	710	647	689	759	795	803	799	795	785	781	784	792	823	887	891	888	890	854	833	817	818	788	743	691	794
7	665	644	706	739	783	807	815	817	816	823	816	797	790	807	805	801	801	811	831	827	811	805	797	787	788
8	754	760	765	776	780	782	796	804	804	802	801	793	787	783	787	793	796	802	809	799	802	802	796	786	790
9	785	789	797	800	801	801	800	800	796	791	785	783	778	782	791	799	811	814	811	818	822	818	802	786	798
10 D	748	754	773	788	781	761	760	776	784	780	782	785	790	790	790	830	887	874	837	776	682	682	655	585	769
11 D	559	604	619	687	774	793	799	807	816	821	811	808	803	809	821	850	832	828	824	829	817	813	786	755	778
12	775	766	758	779	790	799	803	803	810	808	798	790	791	794	794	795	799	802	806	812	816	782	783	783	793
13	769	784	748	739	754	744	771	790	799	808	819	817	831	833	838	828	828	824	827	817	813	808	804	802	800
14 Q	800	800	801	801	801	800	802	803	807	802	798	795	790	784	786	789	798	807	808	806	805	800	801	799	799
15 Q	796	795	795	798	798	797	795	792	794	794	793	796	796	791	790	790	797	799	798	803	803	802	799	789	796
16	790	794	769	667	684	691	728	768	783	788	789	789	795	794	798	795	794	798	804	805	799	799	794	778	775
17	766	781	737	726	770	787	792	795	797	798	797	795	791	792	796	804	813	803	814	821	809	799	793	787	790
18	788	787	774	762	779	784	790	795	798	795	786	772	772	786	799	806	808	806	801	802	804	802	795	794	791
19	793	791	778	790	794	799	797	798	802	796	798	799	802	808	817	818	811	803	802	796	797	796	789	785	798
20	784	779	777	787	793	795	790	799	798	796	794	790	793	795	802	812	824	827	827	818	807	800	799	798	799
21 Q	799	799	798	803	806	809	808	800	800	799	797	794	789	788	789	793	801	809	812	816	813	807	801	797	801
22	795	798	799	799	800	797	798	800	799	794	792	793	792	791	799	805	806	805	800	799	801	803	792	789	798
23 Q	792	796	799	800	801	803	804	804	799	796	795	786	773	778	788	793	792	797	803	800	799	798	796	795	795
24 Q	796	795	799	802	805	805	801	799	796	791	791	785	786	795	801	797	798	805	807	805	808	806	801	797	799
25	792	789	794	799	801	790	792	797	800	799	799	797	790	784	791	797	802	806	805	805	804	802	789	789	796
26	790	773	762	775	786	792	793	797	799	789	786	783	780	779	785	793	796	801	804	801	800	800	798	797	790
27	794	795	797	799	800	799	800	800	799	797	794	792	785	786	797	805	817	813	817	818	806	807	801	791	800
28	759	752	769	768	759	772	790	795	795	791	794	790	786	785	786	798	802	801	799	798	802	803	802	801	787
29 D	801	801	801	801	801	801	798	793	795	797	792	795	801	823	841	928	930	912	917	881	828	773	768	774	823
30	773	740	707	700	727	753	776	795	799	802	801	805	800	800	801	805	807	805	801	802	805	805	805	806	784
31	807	807	806	806	805	801	797	798	800	807	809	798	797	798	811	810	821	851	838	822	814	798	785	781	807
Mean	771	767	770	775	785	788	792	796	798	797	797	795	797	805	811	818	821	819	818	810	803	797	789	780	796

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

32 LERWICK JULY, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range	10,000γ²		
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	′	h	m	γ	γ	h	m	γ			°A
1	19	21	474	405	11	4	69	13	36	65·8	48·1	5	49	17·7	6	50	798	783	19	26	15	169	0	89·0
2 D	15	34	779	345	8	56	434	19	20	81·0	33·6	7	59	47·4	14	56	1054	703	19	9	351	2268	2	89·0
3	19	34	484	94	1	5	390	0	48	75·0	46·9	1	10	28·1	13	47	821	583	1	6	238	1532	1	89·0
4	18	55	473	381	9	37	92	12	25	62·0	51·3	6	24	10·7	19	43	811	789	16	0	22	235	1	89·4
5	17	26	536	364	10	20	172	14	14	65·4	51·5	4	1	13·9	18	0	855	765	5	15	90	669	1	90·0
6 D	13	42	608	240	1	12	368	15	0	75·8	39·2	1	18	36·6	14	34	922	634	1	25	288	1878	2	90·0
7	17	19	521	293	1	30	228	16	36	63·9	44·7	1	49	19·2	18	45	833	616	1	30	217	1344	1	90·2
8	19	20	524	383	10	23	141	13	57	68·1	50·0	3	36	18·1	19	5	811	736	0	44	75	554	1	90·0
9	18	50	495	390	11	18	105	15	51	63·0	48·2	7	0	14·8	20	43	824	776	13	0	48	376	1	89·2
10 D	16	10	609	149	23	0	460	19	43	76·6	41·3	21	50	35·3	16	45	898	549	23	56	349	2295	2	88·8
11 D	15	58	596	208	0	0	388	16	25	81·1	34·5	1	29	46·6	15	46	858	532	0	39	326	2085	2	89·0
12	21	6	524	393	13	4	131	15	5	65·1	46·7	7	15	18·4	20	37	824	740	2	3	84	582	1	89·2
13	18	50	520	379	10	56	141	13	39	64·1	47·7	3	28	16·4	12	54	842	723	3	11	119	760	1	89·7
14 Q	16	45	485	393	10	34	92	14	32	63·6	48·6	8	0	15·0	19	56	810	783	13	35	27	258	0	89·8
15 Q	18	15	468	392	9	49	76	13	31	65·9	51·6	5	55	14·3	19	55	806	788	23	21	18	193	0	89·4
16	17	55	493	338	3	24	155	2	55	72·3	42·5	7	56	29·8	19	0	814	649	3	23	165	995	1	89·0
17	19	25	527	385	11	58	142	17	40	68·6	49·3	5	31	19·3	19	12	836	701	2	58	135	836	1	88·7
18	19	22	491	387	11	5	104	13	50	66·2	50·6	8	1	15·6	15	52	809	753	2	59	56	412	1	88·0
19	20	3	468	389	10	15	79	13	34	65·5	48·8	7	18	16·7	14	44	824	774	2	25	50	492	1	87·8
20	17	5	505	401	8	37	104	14	15	65·0	51·2	9	45	13·8	17	54	834	772	2	2	62	440	1	87·4
21 Q	18	25	482	388	12	0	94	13	28	64·8	49·0	6	26	15·8	19	12	819	786	12	44	33	289	0	87·8
22	20	2	479	394	9	10	85	13	54	62·8	49·3	7	30	13·5	16	11	808	788	13	7	20	216	0	87·7
23 Q	19	16	460	384	10	17	76	12	9	65·1	50·8	7	6	14·3	7	30	805	772	12	30	33	263	0	87·3
24 Q	19	46	481	408	11	5	73	13	15	65·4	50·3	6	4	15·1	20	31	810	783	11	58	27	231	1	87·4
25	18	14	481	376	12	51	105	13	20	68·4	47·5	6	3	20·9	17	45	808	782	13	34	26	273	1	87·6
26	17	45	465	392	10	27	73	12	51	67·1	49·3	7	57	17·8	18	27	805	755	2	11	50	339	1	87·3
27	18	6	496	397	11	3	99	13	50	67·3	48·3	7	55	19·0	18	55	825	783	13	8	42	340	1	87·0
28	19	5	472	387	10	14	85	12	38	67·0	45·2	5	0	21·8	21	23	805	738	1	4	67	436	1	87·1
29 D	14	30	602	341	21	56	261	16	5	79·7	50·8	6	36	28·9	16	26	947	687	21	50	260	1593	2	87·4
30	18	36	458	333	1	54	125	3	11	66·1	47·8	7	42	18·3	16	30	808	691	3	26	117	728	1	87·2
31	16	38	506	377	10	32	129	13	35	66·4	49·8	5	36	16·6	17	36	854	771	24	0	83	574	1	86·8
Mean	--	--	515	351	--	--	164	--	--	68·2	47·2	--	--	21·0	--	--	838	725	--	--	113	763	0·97	88·5
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 40. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61

11-3 /B/1936/082/01/BB/140
10-5

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

33 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — AUGUST, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	437	410	412	436	444	439	422	425	428	412	405	406	406	414	432	450	465	466	464	449	451	445	446	450	434
2	433	435	434	437	440	435	434	431	421	408	404	407	421	431	444	456	449	458	471	468	464	468	445	444	439
3	444	441	444	447	442	438	435	428	418	408	404	408	424	442	460	449	450	460	473	464	464	464	438	436	441
4	439	433	437	428	424	436	433	419	406	403	398	406	413	424	438	448	457	461	461	459	453	451	451	448	434
5 D	447	443	444	447	446	439	430	422	412	412	411	416	421	435	462	440	453	497	497	479	465	447	439	427	443
6 D	417	401	407	428	437	419	389	406	398	388	388	399	407	415	420	441	458	462	459	467	453	446	443	442	425
7 Q	443	443	441	441	440	435	430	425	417	410	404	406	413	419	431	439	448	459	460	464	458	455	453	445	437
8 D	451	443	441	441	441	438	430	425	418	407	404	401	418	440	438	454	467	501	485	505	487	441	442	437	444
9	445	436	429	424	426	428	427	422	417	405	395	390	397	408	437	444	458	483	481	485	460	450	442	417	434
10 D	434	427	430	436	443	443	435	415	391	401	398	408	427	405	429	438	450	458	462	455	448	445	441	441	432
11 Q	439	439	436	433	436	431	425	419	414	403	400	399	402	415	435	438	449	458	460	453	449	446	441	439	432
12	439	439	441	441	439	436	434	429	421	407	400	402	409	417	449	446	453	456	469	473	464	451	447	442	438
13	438	440	441	440	447	444	436	422	414	409	402	401	406	421	432	448	452	454	463	471	460	447	443	441	436
14	439	445	446	446	445	442	436	430	425	415	408	407	411	421	433	443	443	450	462	467	466	462	457	453	440
15	455	450	450	453	452	454	445	447	434	416	403	397	400	409	414	427	446	455	455	457	453	455	442	441	438
16	444	444	436	441	444	446	446	437	427	411	401	401	404	417	434	443	461	465	476	466	451	444	439	439	438
17	439	433	430	438	440	441	435	425	413	401	398	397	404	416	423	434	447	462	463	461	454	451	444	441	433
18 Q	441	441	443	441	439	441	438	429	411	393	388	397	408	416	428	441	446	451	455	453	450	448	448	448	433
19 Q	446	444	445	445	446	445	436	424	411	396	391	391	400	416	432	444	444	448	458	458	454	453	451	450	435
20	448	447	446	445	445	444	444	438	428	416	405	398	404	419	449	449	457	470	480	472	459	446	441	447	442
21	450	438	439	441	442	441	437	423	408	397	386	389	400	413	422	430	442	450	453	452	453	451	449	448	431
22	445	448	440	441	440	442	435	423	414	406	403	402	399	407	417	435	453	475	480	465	458	450	448	446	436
23 Q	444	442	441	441	441	440	436	420	417	407	399	394	402	419	431	433	445	460	466	467	458	453	453	451	436
24	444	444	445	445	446	443	435	422	408	398	393	394	406	422	424	433	448	461	463	465	461	455	453	452	436
25	456	453	448	448	448	444	441	430	416	404	396	399	416	432	443	450	442	458	468	472	463	459	445	441	441
26	439	446	441	443	441	438	433	427	418	406	397	400	405	421	441	444	444	450	457	461	458	456	453	450	436
27	446	443	446	444	441	443	445	443	427	411	406	391	416	413	443	434	444	449	455	457	457	453	449	455	438
28	447	440	439	436	418	429	434	425	417	413	411	416	422	430	435	440	446	452	454	454	457	456	447	445	436
29	442	439	443	446	443	443	441	434	425	414	409	413	419	424	428	436	444	452	457	463	462	456	454	442	439
30 D	432	402	383	339	421	443	440	434	418	404	403	407	409	414	433	424	428	471	461	478	456	437	439	438	426
31	434	441	433	427	429	430	425	417	405	397	392	392	409	422	429	439	437	440	456	464	452	443	439	438	429
Mean	442	438	438	437	440	439	434	427	416	406	400	401	410	420	434	441	449	461	465	465	458	451	446	443	438

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

34 LERWICK (D) — 12° + — AUGUST, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	55·0	59·7	57·3	51·7	50·9	49·0	47·7	48·9	51·7	53·0	54·1	57·1	59·8	61·9	62·3	61·2	58·2	55·9	55·6	55·9	57·2	56·8	56·8	57·2	55·6
2	57·3	59·9	55·9	54·0	52·3	52·1	52·1	51·3	51·3	53·1	56·0	59·6	62·7	64·8	64·4	62·5	59·9	58·7	58·9	59·0	59·7	54·9	55·1	55·9	57·1
3	55·7	55·1	55·6	53·7	52·0	50·7	50·9	50·8	51·2	54·5	58·3	63·4	66·5	68·2	67·7	63·3	61·2	59·7	58·7	57·5	57·7	51·4	53·5	57·0	57·3
4	55·5	56·0	58·0	52·8	53·8	49·9	50·6	52·2	53·7	55·4	57·1	59·7	63·1	65·3	65·4	63·0	60·0	58·2	56·8	56·6	56·4	56·6	56·0	56·4	57·0
5 D	56·4	56·6	55·2	53·6	51·6	49·8	50·2	49·4	50·4	53·4	57·6	62·5	67·6	68·8	66·3	64·7	62·4	61·5	58·0	57·4	52·1	55·0	54·1	53·6	57·0
6 D	50·9	47·6	53·5	55·1	54·9	53·4	53·9	51·6	50·1	51·7	55·6	59·7	63·1	65·8	64·8	62·9	62·3	59·9	58·1	57·4	57·4	57·3	57·7	56·8	56·7
7 Q	56·2	55·4	54·6	53·8	51·9	49·9	48·5	48·4	49·0	51·1	54·3	57·7	60·0	61·3	61·9	61·6	60·4	59·1	57·9	57·7	58·5	58·2	58·1	56·6	55·9
8 D	55·9	53·9	52·6	51·9	51·2	48·3	48·6	49·6	53·2	57·2	60·2	62·9	66·5	67·6	66·2	64·6	63·5	62·8	58·3	61·3	52·7	51·1	56·4	58·2	57·1
9	55·3	52·5	54·9	50·2	50·1	51·3	48·9	47·3	48·8	51·7	54·9	59·1	61·7	62·8	64·1	62·5	60·3	58·3	59·1	59·7	58·8	59·7	59·4	60·6	56·3
10 D	52·4	53·0	51·6	48·3	48·4	50·3	51·7	51·9	54·3	57·3	59·9	61·8	64·6	65·9	66·0	65·0	63·1	60·1	59·3	58·3	57·3	57·2	56·6	55·9	57·1
11 Q	55·3	54·5	53·0	52·6	52·3	50·7	50·1	50·0	49·2	49·9	51·1	53·7	59·0	61·2	60·6	59·7	59·3	58·7	57·3	57·7	57·8	57·7	56·8	56·0	55·2
12	54·7	53·9	54·1	53·7	52·1	51·7	51·7	52·6	52·6	53·1	53·9	57·2	61·2	63·2	65·0	63·6	61·5	59·7	59·8	59·3	59·2	58·7	60·5	53·9	57·0
13	52·1	53·5	53·0	53·4	50·1	48·1	48·8	52·3	56·1	56·3	55·9	57·8	60·8	62·2	61·3	60·2	59·7	58·9	58·8	59·0	58·1	59·0	57·7	56·2	56·2
14	54·9	54·2	53·3	53·4	52·1	50·6	49·7	50·2	52·1	54·1	56·9	60·0	62·6	63·6	62·5	60·7	59·9	58·6	58·0	58·2	58·2	57·6	57·2	57·4	56·5
15	57·4	57·3	55·7	54·0	53·5	54·7	56·0	54·5	54·3	53·9	55·4	58·0	61·9	64·1	63·6	62·2	59·8	58·0	57·2	56·9	56·6	55·0	56·4	56·2	57·2
16	57·6	58·2	55·0	54·4	52·6	52·2	52·0	52·0	51·8	52·2	53·9	56·9	60·3	61·5	61·1	59·9	59·1	57·4	56·9	57·0	56·3	56·5	56·5	55·9	56·1
17	55·5	53·4	55·0	51·5	51·6	50·9	50·1	50·1	50·1	52·1	54·5	57·7	59·9	60·6	60·1	59·7	57·9	56·6	55·5	56·5	57·5	56·0	54·9	56·1	55·2
18 Q	57·3	57·9	55·7	54·3	53·9	52·0	50·9	50·7	51·3	52·9	55·0	58·9	61·8	62·0	60·3	58·8	57·5	56·4	56·7	57·2	57·3	57·0	56·8	56·8	56·2
19 Q	57·0	55·9	55·7	54·9	52·8	50·1	48·3	48·3	49·4	52·1	55·5	60·2	63·6	64·4	64·0	62·5	60·3	58·7	57·8	58·3	57·7	57·3	56·8	56·3	56·6
20	55·9	55·9	55·7	55·6	54·4	53·0	51·5	50·9	51·2	53·8	57·7	60·8	63·1	64·4	63·1	59·8	59·6	59·7	58·7	56·7	54·8	57·8	56·0	53·9	56·8
21	54·7	54·8	54·7	53·7	52·7	51·2	50·0	50·9	54·0	55·2	57·3	60·8	63·7	64·2	61·7	59·3	56·9	56·7	57·3	57·4	57·0	56·8	56·4	56·8	56·4
22	57·5	54·8	53·8	52·9	51·6	50·5	49·2	51·3	51·8	53·9	55·4	57·8	59·7	60·6	59·6	59·0	58·0	57·5	56·5	57·8	58·0	57·0	56·5	55·7	55·7
23 Q	55·3	54·9	54·6	54·4	53·6	52·6	51·3	50·1	50·9	52·6	55·9	59·9	63·0	63·4	61·5	58·8	58·3	58·7	58·8	58·7	58·5	58·1	56·9	56·8	56·6
24	56·3	55·9	55·0	54·0	52·9	51·1	49·6	48·2	49·1	52·1	55·9	59·8	62·6	62·5	60·3	58·2	57·7	58·0	59·3	59·4	59·0	56·4	55·9	56·4	56·1
25	56·9	56·0	54·6	53·8	52·8	51·4	49·9	48·7	49·1	51·9	55·9	60·5	64·5	64·2	62·0	60·8	58·7	58·9	57·7	58·4	59·3	58·9	53·9	54·3	56·4
26	51·1	50·3	53·7	53·4	52·2	52·1	51·4	52·1	52·7	54·8	57·6	60·4	61·8	62·2	62·2	59·7	58·8	58·7	59·1	57·8	57·2	57·3	56·3	55·8	56·2
27	55·5	54·8	54·5	52·1	51·3	50·8	52·0	52·1	54·9	57·7	62·0	65·3	66·5	65·9	65·0	60·0	58·7	57·3	58·1	58·4	57·7	56·1	54·3	53·7	57·3
28	51·1	53·2	53·9	54·2	54·9	55·9	55·5	54·9	55·5	54·9	57·6	59·3	60·6	60·5	59·2	58·2	57·4	56·3	55·1	56·8	56·4	56·2	55·9	55·8	56·2
29	55·9	55·9	54·6	53·9	53·5	53·5	52·4	52·9	53·2	53·8	56·0	58·7	59·8	59·6	58·7	57·6	57·3	57·0	57·2	57·7	58·7	55·6	54·5	56·2	56·0
30 D	54·2	47·8	42·3	43·5	46·8	45·0	46·8	48·9	46·9	53·2	55·3	57·2	59·0	60·3	61·1	58·2	57·3	58·4	60·1	58·9	46·7	55·2	56·2	56·3	53·1
31	54·2	51·5	53·0	48·3	52·1	50·9	50·4	53·9	54·4	56·6	59·6	60·6	62·9	62·7	60·9	58·3	57·3	57·0	58·0	57·6	55·5	55·8	55·7	55·3	55·9
Mean	55·2	54·7	54·2	52·8	52·2	51·1	50·6	50·9	51·8	53·7	56·3	59·5	62·4	63·4	62·7	60·9	59·4	58·4	57·9	58·0	56·9	56·6	56·3	56·1	56·3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

35 LERWICK (V) 46,000 γ (·46 C.G.S.unit) + AUGUST, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	765	739	708	752	774	789	800	805	802	805	809	807	802	803	803	804	814	820	817	814	807	804	802	789	793
2	783	780	787	795	796	800	801	802	803	803	798	793	786	786	791	799	807	807	806	807	806	777	786	799	796
3	802	803	798	802	806	806	805	802	801	799	796	792	789	799	804	814	812	808	807	813	807	804	802	797	803
4	798	794	788	793	788	778	783	791	791	785	787	787	786	786	791	796	798	801	902	802	801	796	795	796	792
5 D	797	799	801	799	804	807	800	795	792	782	780	781	780	796	820	833	827	821	838	838	823	808	801	784	804
6 D	744	726	722	744	747	768	776	780	791	795	793	793	796	800	805	804	797	802	806	804	808	803	800	798	783
7 Q	798	802	804	808	810	810	807	803	802	802	801	796	791	787	787	794	798	802	805	806	802	801	798	799	801
8 D	789	791	794	799	803	801	799	797	792	791	788	785	781	788	802	803	804	809	834	824	836	807	811	807	801
9	797	794	781	770	788	786	789	792	795	796	797	796	797	805	812	829	837	835	833	829	826	814	806	774	803
10 D	766	775	769	755	748	745	761	777	785	783	788	797	810	820	823	820	814	813	804	802	802	803	802	801	790
11 Q	800	795	796	801	802	803	801	804	804	809	806	799	796	797	799	803	802	807	811	811	808	806	806	806	803
12	804	803	802	800	801	802	803	803	800	797	796	791	792	795	797	803	805	805	802	806	810	812	792	766	799
13	793	802	802	797	786	792	794	794	794	796	799	791	791	796	799	801	802	803	802	802	808	809	807	807	799
14	807	803	802	803	804	803	802	800	794	790	789	788	788	796	800	805	807	804	801	801	801	800	801	802	800
15	801	801	796	797	798	793	792	788	794	797	795	794	797	804	814	810	809	806	803	802	802	802	803	802	800
16	800	784	788	797	800	800	798	802	798	798	802	801	802	806	806	804	808	817	820	819	816	812	807	803	804
17	799	797	792	788	802	807	810	810	808	804	802	797	792	789	793	798	809	816	817	812	808	803	796	796	802
18 Q	793	792	794	802	806	807	808	805	800	796	796	789	787	794	801	805	807	804	802	801	798	796	796	796	799
19 Q	797	800	801	803	804	806	805	803	796	792	789	789	791	794	800	804	810	808	803	802	800	797	796	796	799
20	797	798	801	803	804	803	801	797	793	791	791	785	784	791	799	815	820	821	820	824	820	804	799	785	802
21	755	786	782	794	802	804	806	806	797	788	791	791	788	793	803	807	807	804	799	799	799	800	798	796	795
22	793	781	783	788	794	794	795	796	791	790	791	791	793	796	799	801	801	806	817	824	815	809	802	798	798
23 Q	797	799	801	802	804	807	808	806	799	794	788	791	795	796	802	809	811	807	807	807	806	802	799	792	801
24	796	797	797	801	802	806	808	809	807	801	796	789	781	788	796	800	800	803	803	803	802	802	802	796	799
25	791	791	794	798	801	803	803	806	808	804	798	793	788	789	792	793	797	794	795	799	802	802	807	804	798
26	798	791	796	797	798	799	798	798	799	796	792	788	788	783	783	786	791	791	792	795	798	797	798	799	794
27	799	799	794	794	797	797	796	794	797	794	789	792	792	799	804	817	812	808	801	799	799	803	803	794	799
28	787	794	797	798	799	787	791	798	803	804	796	791	793	796	800	802	803	807	808	807	802	793	789	796	798
29	797	799	797	797	799	799	798	799	798	796	798	796	788	788	792	796	799	801	802	802	803	802	780	731	794
30 D	734	707	698	713	713	759	782	791	797	806	803	800	799	797	799	813	809	801	825	821	816	796	802	808	783
31	799	782	788	778	785	788	795	795	797	797	797	796	792	796	796	801	802	800	796	798	807	805	801	800	795
Mean	790	787	786	789	792	795	797	798	798	796	795	793	791	795	800	805	807	807	809	809	808	802	800	794	798

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

36 LERWICK AUGUST, 1936

Day	Terrestrial Magnetic Elements																		$\frac{HR_H + VR_V}{10{,}000\gamma^2}$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000 γ +			Minimum 14,000 γ +		Range	Maximum 12° +			Minimum 12° +		Range	Maximum 46,000 γ +			Minimum 46,000 γ +		Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	18	16	479	372	1	55	107	1	58	68·9	46·4	8	34	22·5	17	34	822	697	2	5	125	739	1	86·6
2	21	13	479	402	11	0	77	13	39	65·3	50·1	8	8	15·2	16	28	810	771	21	30	39	294	1	86·7
3	18	46	480	403	10	17	77	13	37	69·1	48·3	21	46	20·8	15	31	817	788	12	38	29	247	1	86·8
4	18	36	464	392	10	53	72	14	2	66·1	49·2	5	39	16·9	18	46	803	775	4	56	28	235	0	86·6
5 D	18	6	506	402	11	27	104	13	24	70·9	47·5	7	53	23·4	18	46	844	772	24	0	72	487	1	86·2
6 D	16	57	471	377	6	26	94	13	37	67·0	44·6	1	28	22·4	20	13	809	719	2	10	90	556	1	86·0
7 Q	19	18	469	402	10	25	67	14	48	62·2	48·0	6	52	14·2	5	5	812	786	14	20	26	218	0	86·1
8 D	19	22	514	397	11	3	117	13	32	68·0	36·2	20	46	31·8	20	39	856	779	12	36	77	528	1	86·3
9	19	29	494	379	11	6	115	23	25	65·0	46·3	6	53	18·7	16	46	843	755	23	41	88	578	1	86·3
10 D	18	35	467	386	8	36	81	13	26	66·9	46·6	4	28	20·3	14	51	825	740	5	23	85	515	1	86·3
11 Q	18	24	466	397	11	35	69	13	25	61·3	48·8	8	14	12·5	18	43	814	792	1	52	22	202	0	86·8
12	19	6	478	393	10	46	85	14	26	66·5	50·8	24	0	15·7	21	44	814	756	23	15	58	393	1	86·5
13	19	3	474	394	12	15	80	13	9	62·4	46·6	6	35	15·8	21	15	812	780	0	0	32	265	1	87·9
14	19	55	474	404	11	0	70	14	20	64·7	49·1	6	35	15·6	15	31	811	785	12	23	26	223	1	88·0
15	19	20	464	393	11	9	71	13	56	64·9	52·1	21	36	12·8	14	40	817	784	7	4	33	256	1	87·8
16	18	24	483	398	10	53	85	13	20	61·5	51·2	6	20	10·3	18	19	821	776	1	39	45	333	1	88·0
17	17	37	469	396	11	25	73	13	33	60·8	49·6	6	44	11·2	17	50	818	780	3	0	38	283	1	88·1
18 Q	18	27	457	386	10	12	71	12	47	62·7	50·2	7	55	12·5	5	46	809	785	12	15	24	214	0	88·2
19 Q	18	36	461	386	10	34	75	13	5	65·1	48·0	7	8	17·1	16	42	814	787	10	20	27	234	0	88·0
20	18	43	487	393	11	17	94	13	29	65·1	50·4	7	30	14·7	19	35	825	780	24	0	45	346	1	87·7
21	0	17	467	382	11	8	85	13	4	64·6	48·8	6	55	15·8	7	30	810	744	0	27	66	431	1	87·3
22	18	32	483	397	11	57	86	13	27	61·0	48·3	6	35	12·7	19	6	825	780	1	43	45	335	0	87·0
23 Q	19	21	471	391	11	49	80	13	12	63·8	49·2	7	23	14·6	16	2	812	787	10	16	25	232	0	86·9
24	19	7	470	390	11	17	80	13	20	63·3	47·5	7	46	15·8	7	6	810	780	12	35	30	255	0	86·7
25	19	6	482	392	10	21	90	12	50	65·3	48·0	7	56	17·3	22	54	809	786	12	13	23	238	1	86·7
26	19	15	463	394	10	32	69	14	6	63·2	48·4	1	14	14·8	0	8	801	780	14	6	21	197	0	86·3
27	19	54	463	379	11	11	84	12	24	67·4	50·0	5	25	17·4	15	48	819	785	12	7	34	280	1	86·4
28	21	38	463	406	10	26	57	13	5	61·8	49·2	0	11	12·6	18	3	810	782	0	5	28	213	0	86·9
29	20	7	467	408	10	17	59	23	20	60·2	51·3	6	53	8·9	20	34	806	719	23	30	87	492	1	87·0
30 D	17	58	528	300	3	29	228	19	35	62·5	35·9	3	13	26·6	20	2	838	686	3	55	152	1039	1	87·0
31	19	18	468	384	11	29	84	12	34	63·8	43·5	3	45	20·3	0	0	812	773	3	33	39	304	1	86·7
Mean	--	--	476	390	--	--	87	--	--	64·6	47·7	--	--	16·8	--	--	818	767	--	--	50	360	0·68	87·0
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 40. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61

11-3 / 10-5 | B | 1936 | 09 | 20 | 11 | BB | 1140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

37 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — SEPTEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	439	437	436	433	432	430	422	415	403	393	390	397	413	422	432	433	434	438	441	449	446	441	441	442	427
2	441	436	436	427	430	430	423	412	401	388	385	397	405	433	430	430	440	446	445	443	443	441	441	442	427
3 Q	440	439	438	437	433	433	428	417	400	386	382	390	401	411	421	436	438	441	443	445	445	445	446	443	426
4	445	443	445	435	438	437	433	426	407	382	380	390	404	420	433	439	446	435	438	451	449	453	449	439	430
5	441	441	442	445	434	439	443	432	417	400	393	396	408	421	433	443	448	447	448	444	447	451	443	442	433
6	440	439	442	431	426	428	425	417	408	398	393	397	407	420	431	435	435	434	438	443	447	450	443	441	428
7 Q	440	439	438	438	438	436	431	423	413	404	402	399	405	416	428	433	437	435	441	444	447	449	449	448	431
8	447	446	444	444	443	440	435	431	412	399	398	398	402	406	416	433	435	442	449	451	452	443	438	439	431
9	442	441	435	437	435	436	431	420	420	396	385	387	412	432	422	406	425	446	447	447	448	449	443	441	428
10	439	439	441	443	442	437	435	427	415	406	403	396	417	421	436	437	433	439	441	448	445	442	441	441	432
11 D	439	434	428	432	434	427	437	432	419	400	373	378	396	429	435	463	500	451	436	432	427	428	432	444	429
12	427	423	424	416	427	435	434	430	421	409	400	397	403	403	411	421	427	432	435	443	438	435	430	428	423
13 Q	431	435	430	429	429	431	432	425	413	398	386	387	394	404	415	419	426	434	440	445	445	442	439	439	424
14	439	438	438	436	437	438	439	428	412	394	382	390	392	406	421	424	423	429	441	445	444	444	443	443	426
15	448	443	434	432	438	437	437	431	426	411	403	395	400	414	416	415	424	445	447	445	441	437	432	432	428
16 Q	437	435	437	436	435	431	425	415	402	388	382	386	397	407	415	423	431	438	441	444	444	443	442	441	424
17	441	443	445	441	439	441	435	427	415	405	395	394	396	407	415	424	431	440	443	444	445	446	451	450	430
18	450	450	447	445	445	442	441	437	421	403	403	399	390	398	406	420	427	441	445	448	450	453	449	443	431
19	442	442	440	440	440	439	436	429	419	403	394	390	391	399	413	426	429	437	443	447	451	451	448	446	429
20	444	442	439	439	437	438	442	435	423	407	397	388	393	409	418	435	426	435	446	450	450	450	448	448	431
21	447	447	446	446	447	450	451	442	427	410	388	387	385	392	404	420	430	438	446	450	450	442	444	441	430
22	442	445	444	443	445	447	444	434	423	405	385	376	381	393	408	427	439	448	448	452	454	457	447	448	431
23 D	447	452	451	457	455	449	415	427	428	405	378	376	381	400	402	402	423	436	438	439	437	437	438	439	425
24	438	434	430	426	434	437	436	425	411	396	384	376	385	396	406	421	423	431	437	439	439	436	441	435	421
25 Q	433	433	432	434	436	437	435	428	417	400	385	378	383	399	417	428	433	438	442	442	441	440	439	442	425
26 D	451	442	439	438	446	441	426	413	386	385	386	384	395	429	465	485	505	499	454	435	425	421	422	418	433
27 D	422	425	423	424	425	426	424	413	407	400	388	374	379	392	405	412	417	421	430	437	440	438	438	434	416
28	432	430	432	433	432	431	425	412	397	382	379	390	378	392	415	419	421	429	434	440	445	441	440	442	420
29 D	437	433	426	437	433	426	431	425	416	405	400	399	398	403	420	439	419	424	434	435	433	436	445	435	425
30	433	432	431	431	432	432	430	421	408	392	384	386	391	397	404	417	423	428	435	435	436	445	437	429	420
Mean	440	439	437	436	437	436	433	425	413	398	389	389	396	409	420	429	435	440	441	444	443	443	441	440	427

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

38 LERWICK (D) — 12° + — SEPTEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	54·2	53·9	54·3	52·0	51·3	49·8	49·9	50·1	50·6	52·5	55·7	59·2	61·6	60·8	57·8	55·6	55·1	55·2	56·0	57·4	57·7	55·8	55·2	54·5	54·8
2	54·7	54·4	55·0	47·5	48·9	50·9	50·7	50·5	50·5	52·1	55·3	59·6	61·0	62·4	59·8	58·7	57·4	55·8	55·9	56·5	56·2	55·8	55·2	54·7	55·0
3 Q	54·8	54·7	54·3	53·8	52·4	51·6	50·2	49·8	50·5	53·0	56·7	60·1	62·8	62·5	60·5	59·2	56·8	55·7	55·5	55·8	55·8	55·5	55·8	55·3	55·5
4	55·3	54·7	52·1	49·8	51·2	50·6	48·9	50·9	48·4	52·0	56·2	61·3	63·7	63·4	61·1	58·8	56·7	55·2	56·4	55·1	54·3	57·4	48·3	49·5	54·6
5	49·8	47·5	48·0	46·6	48·5	49·1	51·9	51·3	50·7	52·1	57·0	60·9	63·1	63·9	62·2	60·0	58·0	56·7	57·1	57·6	57·2	55·9	55·8	55·8	54·9
6	54·9	53·0	49·6	46·2	50·8	50·6	50·8	51·6	52·8	54·5	57·6	61·8	63·6	62·5	59·9	56·7	55·4	55·7	56·7	56·6	56·5	57·0	56·1	55·4	55·3
7 Q	55·1	54·4	53·7	53·3	52·6	52·0	51·4	52·0	52·9	54·5	57·2	60·3	61·6	61·2	59·3	57·6	57·1	56·4	57·6	57·5	57·2	57·1	56·3	56·2	56·0
8	55·8	54·8	54·0	53·1	52·7	52·0	51·6	51·0	53·2	57·3	60·3	60·8	61·4	61·8	60·2	58·0	54·4	52·8	55·1	56·8	57·1	55·3	55·3	55·9	55·9
9	58·6	58·4	55·0	53·7	52·4	51·6	50·6	53·1	55·6	57·0	60·6	61·7	62·2	64·5	63·8	60·7	57·6	55·6	54·1	53·7	55·5	56·0	55·5	55·4	56·8
10	55·3	55·4	55·3	54·6	50·1	51·7	50·1	49·7	50·9	53·3	57·9	61·0	64·7	64·0	64·2	61·4	59·8	56·3	55·8	55·2	54·8	54·4	53·4	55·5	56·0
11 D	56·6	55·3	55·7	56·3	55·5	57·5	55·9	52·8	50·1	50·9	55·7	61·2	63·8	67·6	65·9	63·6	60·3	62·5	57·8	56·2	54·3	56·2	55·6	56·4	57·7
12	54·0	55·6	58·0	56·2	55·7	53·1	52·4	51·1	51·6	53·4	56·2	58·2	59·8	60·3	59·4	58·2	56·0	54·1	54·9	55·3	56·1	54·4	51·5	52·0	55·3
13 Q	53·7	55·1	54·2	52·6	51·5	51·2	51·0	50·3	50·7	52·1	54·5	57·7	60·3	61·7	60·6	58·2	56·8	55·3	54·8	55·1	55·9	55·5	55·4	55·9	55·0
14	55·4	55·3	54·9	54·5	53·6	52·0	50·8	51·0	50·9	53·4	56·4	59·6	60·0	60·0	60·1	57·8	56·3	55·6	56·0	56·4	56·3	56·0	55·9	55·8	55·6
15	54·4	53·0	53·4	54·9	53·5	52·5	52·4	51·7	52·1	53·5	56·7	60·9	63·9	63·1	61·9	59·9	57·5	55·9	55·4	56·2	56·3	56·5	54·7	54·3	56·0
16 Q	54·6	54·2	53·9	53·7	53·5	52·5	51·3	50·6	51·1	52·8	56·8	60·1	62·2	62·6	60·8	58·2	56·8	56·0	56·0	55·4	56·2	56·0	55·9	55·5	55·7
17	55·4	55·6	54·5	53·8	53·9	53·5	52·5	51·1	51·4	53·5	56·2	59·5	61·9	61·7	60·3	58·6	57·3	56·8	56·7	56·3	56·1	55·9	55·6	55·2	56·0
18	54·9	54·4	54·2	53·9	54·0	53·5	52·1	49·8	50·5	55·4	58·1	60·6	60·0	61·1	62·0	61·5	58·2	56·0	57·1	56·5	56·3	56·1	55·3	54·7	56·1
19	54·5	54·4	54·2	53·9	53·6	53·0	51·8	50·2	49·7	51·0	52·9	55·2	57·8	59·7	59·6	59·1	58·7	58·7	57·7	56·8	55·9	55·9	55·7	54·4	55·2
20	54·0	53·7	53·3	53·1	52·9	53·4	53·1	51·6	50·7	51·8	54·0	57·1	59·8	62·0	62·2	61·7	59·5	58·0	56·9	56·6	55·8	55·3	55·1	55·2	55·7
21	55·1	55·0	54·6	53·4	52·6	52·0	50·7	49·0	47·9	50·2	53·9	58·7	61·8	63·4	62·9	61·3	59·4	57·8	57·1	56·6	57·1	56·0	54·4	50·7	55·5
22	53·7	53·5	53·6	52·8	52·8	53·0	52·2	49·9	48·7	49·8	52·7	57·0	61·8	63·2	62·4	61·1	58·9	57·5	56·3	56·4	56·7	53·6	53·2	53·5	55·2
23 D	53·8	53·0	54·2	54·7	54·8	54·8	51·7	53·7	51·6	53·0	54·9	61·2	64·1	68·8	66·9	63·6	59·4	57·2	56·0	55·4	54·9	55·0	54·5	54·4	56·7
24	54·0	52·2	52·0	52·2	52·5	53·1	50·8	48·9	49·1	50·0	53·7	59·2	63·0	63·1	62·1	60·7	57·8	56·1	56·0	55·2	55·6	54·8	53·8	51·9	54·9
25 Q	52·0	54·0	54·0	53·7	53·9	52·6	51·8	50·3	49·5	50·6	52·9	56·4	59·3	61·6	61·6	59·8	58·2	57·3	56·9	57·3	56·5	56·4	55·6	55·4	55·3
26 D	52·1	43·6	48·6	50·0	52·2	48·9	49·7	56·4	54·6	57·2	60·1	62·6	66·5	71·2	70·2	68·2	68·7	61·7	60·5	53·9	56·4	53·9	44·0	48·2	56·6
27 D	52·9	54·0	53·4	52·8	52·5	52·2	51·9	50·9	50·7	53·2	56·4	58·2	60·1	61·0	60·0	58·0	56·5	56·2	56·6	56·4	56·0	55·8	55·3	54·8	55·2
28	53·6	55·0	54·5	54·0	53·0	52·6	51·5	50·2	49·1	51·0	55·4	61·5	61·7	61·8	61·0	58·8	57·3	56·8	56·4	56·0	55·6	55·4	54·8	49·9	55·3
29 D	46·2	47·1	46·8	49·7	49·0	50·2	48·8	48·4	48·8	51·8	56·6	62·1	65·0	68·6	64·5	59·0	59·1	56·9	56·2	56·0	55·6	54·8	51·9	52·6	54·4
30	53·8	53·7	53·0	53·5	53·2	53·0	52·3	50·9	50·1	51·2	53·7	56·2	58·6	59·2	58·3	57·2	56·4	56·4	56·4	56·0	56·0	55·7	53·2	51·4	54·6
Mean	54·1	53·6	53·4	52·7	52·5	52·1	51·4	51·0	50·8	52·8	56·1	59·7	61·9	63·0	61·7	59·7	57·9	56·6	56·4	56·1	56·1	55·6	54·3	54·0	55·6

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TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

39 LERWICK (V) — 46,000 γ (·46 C.G.S.unit) + — SEPTEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	796	798	793	794	799	798	797	794	794	794	792	791	787	791	797	802	801	798	794	792	794	796	795	795	795
2	793	782	766	779	795	798	799	800	801	800	796	789	790	793	808	809	804	804	801	796	794	794	794	794	795
3 Q	796	800	801	803	805	806	807	807	805	802	797	791	784	788	792	793	799	800	798	796	795	794	793	794	798
4	793	791	779	788	796	798	797	803	799	803	799	790	788	788	794	798	800	806	801	800	803	797	767	771	793
5	773	763	754	749	758	762	771	785	796	798	798	793	788	789	794	799	803	807	809	805	800	793	793	794	786
6	794	787	774	775	788	794	800	801	804	805	799	796	797	796	794	797	800	801	799	799	800	799	801	800	796
7 Q	798	798	798	799	801	804	806	807	806	804	797	794	792	791	794	795	794	796	795	797	798	797	797	796	798
8	795	796	796	797	797	800	801	801	804	799	798	796	791	794	796	801	816	824	819	813	809	807	806	801	802
9	787	774	782	792	797	799	800	802	799	805	803	804	801	811	825	826	813	806	815	815	809	806	804	803	803
10	803	800	791	778	768	782	792	797	801	801	799	801	801	809	811	825	836	835	822	814	813	803	797	795	803
11 D	790	796	798	790	788	789	782	788	794	795	802	800	804	814	833	864	898	899	879	849	836	818	808	778	816
12	783	792	788	783	769	778	786	790	797	800	801	801	801	804	804	805	810	815	807	803	806	776	786	794	795
13 Q	794	794	796	795	792	794	797	801	803	805	803	795	792	796	800	800	798	798	798	798	799	800	799	798	798
14	798	798	794	793	793	796	797	801	802	801	799	794	796	797	803	818	823	817	804	799	797	796	796	796	800
15	789	789	795	799	797	798	797	798	797	798	797	801	801	802	815	822	819	815	819	818	817	810	806	803	804
16 Q	800	804	805	805	805	805	805	805	801	797	795	792	790	790	791	794	798	799	800	799	797	796	796	797	799
17	798	797	792	795	797	795	796	797	795	796	794	785	783	786	792	794	795	794	795	795	794	794	791	792	793
18	793	794	796	796	797	797	798	795	794	787	786	789	790	788	792	794	805	813	812	809	804	797	795	796	797
19	796	796	798	799	799	801	802	802	799	796	796	793	789	782	781	784	790	793	793	794	792	792	793	794	794
20	794	795	797	796	797	795	793	796	797	798	794	791	786	785	790	797	801	797	797	796	796	795	793	792	795
21	792	790	790	790	792	792	792	796	798	796	795	786	786	785	785	788	792	792	793	796	798	803	793	787	792
22	790	788	791	792	793	795	798	803	801	798	794	789	786	784	785	786	790	792	795	795	794	793	795	793	793
23 D	793	789	789	775	762	761	776	772	788	795	801	798	801	805	817	816	807	804	803	804	803	800	798	796	794
24	790	787	789	792	792	793	797	804	807	810	807	805	800	794	791	796	800	800	799	799	799	801	794	789	797
25 Q	789	791	794	795	794	796	798	802	803	805	801	796	792	788	789	791	795	795	796	798	801	800	801	798	796
26 D	775	751	765	771	759	760	772	789	805	806	822	836	842	857	892	909	918	938	916	874	855	839	806	791	827
27 D	804	805	807	806	804	803	803	804	804	803	803	804	800	797	796	796	796	796	794	794	796	798	800	804	801
28	805	805	803	801	801	801	803	806	807	802	798	795	799	795	794	799	798	793	794	794	794	796	798	785	799
29 D	775	776	773	781	792	793	786	792	794	793	795	798	807	808	827	844	827	809	806	808	810	802	793	793	799
30	797	802	802	803	803	802	802	804	805	804	803	797	793	795	797	799	801	799	797	799	798	790	782	774	798
Mean	792	791	790	790	791	793	795	798	800	800	799	796	795	797	803	808	811	811	808	805	803	799	796	793	799

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

40 LERWICK — SEPTEMBER, 1936

Day	Terrestrial Magnetic Elements																		HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range	$10{,}000\gamma^2$		
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	19	55	454	388	9	53	66	12	57	62·4	48·9	5	36	13·5	15	40	804	786	12	46	18	179	0	86·1
2	17	35	447	381	10	9	66	13	31	63·3	46·4	3	36	16·9	15	6	812	760	2	38	52	338	1	85·4
3 Q	22	30	448	378	10	4	70	12	34	63·4	49·2	8	12	14·2	6	55	809	782	12	35	27	227	0	85·0
4	21	41	468	375	9	51	93	12	45	64·7	45·4	7	17	19·3	17	35	808	765	22	38	43	335	1	84·8
5	18	3	460	391	10	25	69	13	25	64·7	45·7	1	35	19·0	18	56	810	745	3	6	65	403	1	84·9
6	21	4	452	392	10	44	60	12	37	64·0	44·8	3	25	19·2	9	15	806	770	3	12	36	254	0	85·4
7 Q	22	27	451	397	11	7	54	12	50	62·0	50·8	6	44	11·2	8	6	808	789	13	24	19	167	0	86·1
8	20	45	455	385	10	44	70	13	1	63·4	50·0	7	45	13·4	17	10	825	784	12	57	41	293	1	86·2
9	17	52	456	382	11	1	74	13	27	65·1	49·7	6	14	15·4	15	0	831	770	1	55	61	392	1	87·0
10	20	15	456	385	11	24	71	12	24	65·6	48·8	4	34	16·8	16	51	839	762	4	21	77	462	1	87·2
11 D	16	2	519	363	10	20	156	13	38	69·1	47·9	9	28	21·2	16	33	911	754	23	42	157	960	1	87·0
12	21	33	451	395	11	5	56	21	7	62·1	46·5	21	26	15·6	17	18	817	761	4	38	56	343	1	86·8
13 Q	19	27	447	384	10	55	63	13	24	62·1	50·0	8	0	12·1	9	55	807	789	4	47	18	175	0	86·5
14	23	36	447	379	10	47	68	11	33	60·7	50·5	6	55	10·2	16	27	824	792	11	24	32	248	0	86·4
15	17	56	454	392	11	21	62	12	28	64·4	50·8	7	50	13·6	15	39	824	786	0	35	38	267	1	86·8
16 Q	19	47	446	380	10	23	66	13	10	63·4	50·1	7	41	13·3	3	0	806	789	12	38	17	175	0	86·9
17	21	58	456	393	10	28	63	13	6	62·2	50·7	7	57	11·5	4	29	799	781	12	10	18	175	0	87·0
18	20	53	459	384	12	6	75	15	9	62·6	47·8	8	11	14·8	17	50	817	782	9	50	35	272	1	86·9
19	21	20	455	387	11	52	68	13	36	60·2	49·4	8	17	10·8	7	5	802	780	14	15	22	201	0	86·8
20	19	20	452	384	11	37	68	15	20	63·5	50·3	8	28	13·2	15	55	804	782	13	15	22	201	0	86·3
21	19	47	453	378	12	46	75	13	20	64·2	46·4	8	0	17·8	21	40	806	778	22	53	28	239	1	86·2
22	21	44	470	370	11	5	100	13	26	63·5	47·1	21	46	16·4	7	10	804	780	13	32	24	256	1	86·3
23 D	3	56	462	370	12	31	92	13	36	70·1	49·5	8	25	20·6	14	50	822	758	5	27	64	432	1	86·2
24	22	24	446	373	11	48	73	13	0	63·9	48·3	7	27	15·6	9	24	811	784	1	0	27	231	0	85·7
25 Q	23	46	446	375	11	33	71	14	16	62·5	49·2	8	25	13·3	9	24	805	787	0	12	18	186	0	84·7
26 D	17	13	526	369	8	37	157	13	54	74·8	35·2	22	38	39·6	17	21	961	746	1	5	215	1232	1	83·6
27 D	20	.4	443	362	11	43	81	13	48	63·8	49·1	8	35	14·7	11	5	808	792	13	50	16	192	1	82·2
28	23	0	450	368	12	21	82	11	58	65·4	48·2	23	5	17·2	8	25	808	774	23	55	34	277	1	82·0
29 D	22	27	456	390	11	44	66	13	15	69·4	43·7	2	14	25·7	15	15	851	770	3	5	81	474	1	81·8
30	21	38	452	383	10	39	69	13	42	59·6	49·7	8	33	9·9	8	26	806	770	23	43	36	267	0	82·0
Mean	--	--	458	381	--	--	77	--	--	64·2	48·0	--	--	16·2	--	--	821	775	--	--	47	328	0·57	85·5
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 40. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61

11-3 / 10-5 B/1936/102/01/BB/140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

41 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — OCTOBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	425	437	423	441	446	439	434	420	402	385	379	379	391	402	412	418	423	434	336	429	435	435	447	434	421
2 Q	433	432	433	433	432	430	427	420	408	394	385	383	386	401	416	425	423	429	438	440	437	437	438	439	422
3 Q	436	436	436	436	439	439	434	430	419	404	392	385	386	398	409	421	425	433	438	441	441	441	439	436	425
4	433	433	434	435	436	438	437	432	422	404	393	389	392	398	412	424	435	439	444	447	446	451	441	439	427
5	441	442	441	443	445	447	449	446	434	418	406	398	401	396	409	425	435	447	442	434	439	419	406	407	428
6	409	396	420	425	422	435	434	434	423	405	385	374	385	394	408	426	425	434	431	433	427	420	406	420	415
7	424	427	429	431	432	437	436	437	411	383	381	389	383	399	410	424	421	425	429	440	424	416	410	400	417
8	413	418	416	427	424	422	423	421	416	411	397	394	396	404	424	437	435	425	431	450	427	430	431	430	421
9	427	428	430	429	434	434	433	424	397	388	388	387	380	406	426	442	437	433	448	413	418	415	422	422	419
10 D	420	386	386	384	362	393	397	398	382	355	377	394	408	424	421	434	437	430	425	422	421	421	422	422	405
11	424	424	422	423	425	426	426	421	409	394	384	378	383	394	409	418	425	429	433	435	435	433	433	432	417
12	430	429	429	430	431	431	429	422	411	393	384	386	396	403	409	415	423	428	432	434	434	434	436	434	420
13	434	434	434	434	434	433	436	430	420	406	397	399	402	413	421	428	438	434	432	432	434	436	435	434	426
14	434	435	435	436	435	434	434	429	418	406	403	405	408	415	425	432	431	414	424	426	432	432	434	437	426
15	432	426	422	407	426	432	437	436	413	393	392	390	393	401	409	418	424	433	434	435	432	413	411	425	418
16 D	429	432	433	432	431	430	433	420	410	400	396	395	397	406	419	432	461	546	599	346	426	346	135	274	409
17 D	161	72	127	329	346	340	356	377	388	396	389	373	389	413	394	401	412	414	417	425	424	421	422	423	359
18	423	424	423	425	423	428	426	412	403	396	394	396	405	409	414	420	417	419	422	424	425	425	425	426	417
19	425	426	428	428	431	427	424	423	413	399	394	391	401	407	402	417	428	427	428	432	420	424	428	427	419
20	414	399	393	404	415	422	421	419	413	400	392	390	400	418	425	436	434	427	422	417	421	420	422	422	414
21	429	423	423	423	423	421	419	414	410	404	394	398	406	411	417	415	417	423	427	429	430	430	429	430	419
22 Q	428	427	427	429	429	430	430	428	419	410	401	398	403	406	412	419	424	429	432	433	432	433	433	433	423
23	434	431	429	432	434	434	433	430	421	412	407	405	415	425	432	432	432	436	441	424	419	428	394	409	425
24 D	422	425	418	429	432	439	437	433	427	414	390	389	397	396	403	446	497	697	531	473	433	418	427	414	441
25	415	417	418	420	421	425	424	417	412	405	401	401	396	401	412	410	419	423	425	428	426	424	423	422	416
26	420	420	423	423	426	428	426	423	414	405	403	403	400	406	412	420	426	428	431	429	431	430	428	428	420
27 Q	425	425	426	427	428	429	430	427	421	409	402	401	406	414	419	422	424	427	431	431	432	430	432	430	423
28 Q	428	427	428	428	429	432	435	431	423	407	400	406	408	415	422	423	425	430	432	433	434	435	433	433	425
29	431	430	429	431	434	436	437	431	416	408	402	406	409	412	425	423	425	431	435	437	437	432	426	428	425
30	431	432	430	426	436	433	432	427	414	405	405	412	421	426	427	428	432	434	432	432	433	433	433	431	427
31 D	428	432	436	440	440	449	448	438	410	369	370	386	432	476	434	394	394	398	403	407	407	407	406	406	417
Mean	418	414	416	424	426	428	428	424	413	399	393	393	399	409	416	423	429	441	440	429	429	425	416	421	419

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

42 LERWICK (D) — 12° + — OCTOBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	52·0	46·4	46·4	45·1	47·4	50·9	50·8	51·5	53·5	55·1	55·8	57·5	58·5	59·2	59·4	58·5	58·3	57·7	56·2	56·0	56·2	55·2	56·7	53·3	54·1
2 Q	52·6	54·0	53·6	53·6	53·3	52·8	51·8	50·2	49·6	49·7	52·4	56·2	59·7	61·4	61·6	59·8	57·3	55·9	56·7	56·5	56·0	56·0	54·2	54·0	55·0
3 Q	53·9	54·0	53·8	54·3	54·4	53·5	52·7	51·9	51·6	52·9	56·3	59·8	62·3	64·6	64·1	61·6	58·8	56·5	56·5	56·0	55·9	55·2	55·0	53·6	56·2
4	51·7	53·3	54·1	54·4	54·0	53·6	52·6	51·2	50·2	50·2	52·6	56·3	60·0	60·9	61·2	60·2	58·8	57·7	57·4	57·0	56·4	54·3	53·8	54·4	55·3
5	54·9	54·9	55·4	54·3	52·6	52·3	51·8	50·2	49·2	50·7	53·6	58·1	62·0	61·3	61·0	58·3	56·1	58·3	61·6	52·0	52·2	45·5	45·8	45·8	54·1
6	48·7	52·4	48·5	47·2	53·1	58·0	54·0	50·7	49·5	51·4	55·5	57·5	59·8	60·6	61·2	59·8	57·6	57·0	56·1	54·5	53·1	50·8	50·7	45·0	53·9
7	48·4	51·0	52·6	52·3	52·8	52·2	52·6	50·8	51·4	54·5	54·8	57·2	58·7	60·1	60·9	56·5	56·5	56·9	56·0	56·0	48·6	50·4	46·3	41·7	53·3
8	51·1	55·0	53·1	50·5	50·7	56·4	55·0	53·5	51·7	51·3	51·6	54·3	57·6	59·8	61·3	57·7	58·9	57·4	55·9	48·8	54·3	55·5	55·0	55·0	54·6
9	54·7	54·4	54·7	57·4	53·7	52·2	52·1	51·3	54·0	53·2	56·7	62·2	64·9	65·0	63·9	60·6	58·2	55·0	49·0	44·6	49·7	49·9	53·5	53·3	55·2
10 D	51·8	41·4	35·0	44·2	58·6	62·4	61·8	59·8	51·2	55·5	60·4	61·8	64·0	66·4	66·2	61·3	56·4	54·8	54·4	54·1	54·2	54·2	54·2	54·5	55·8
11	55·6	54·7	54·4	54·5	54·0	53·2	52·1	50·0	48·4	49·6	52·5	55·5	58·3	59·3	59·4	57·3	56·1	56·2	56·3	55·8	55·4	54·7	54·5	54·2	54·7
12	54·2	54·0	54·0	53·9	53·6	53·3	52·2	50·2	49·5	50·7	54·4	57·0	58·1	58·6	57·5	56·4	55·6	55·5	55·4	55·1	54·7	54·4	54·5	54·3	54·5
13	54·3	54·2	54·1	53·8	53·3	52·7	52·1	50·9	49·8	51·4	55·0	58·2	59·1	59·0	57·7	56·9	56·8	57·5	56·7	55·4	54·5	54·7	54·3	54·4	54·9
14	54·3	54·4	54·4	54·2	53·9	53·2	52·7	51·9	50·8	51·9	55·6	59·2	62·7	63·2	64·1	62·1	65·5	60·2	56·4	54·0	53·5	53·1	53·1	54·0	56·2
15	53·8	53·1	52·5	42·4	47·0	48·7	48·9	50·0	51·7	53·5	55·1	58·3	59·5	60·1	59·1	56·4	55·2	55·4	55·8	54·7	54·4	46·7	45·3	44·7	52·6
16 D	52·7	54·1	53·1	53·6	53·6	54·7	54·1	53·3	54·8	55·8	57·1	59·4	59·8	60·8	60·0	60·9	63·3	55·7	75·9	66·9	45·1	41·8	38·4	27·3	54·7
17 D	27·7	37·0	46·3	46·0	53·2	64·0	67·4	59·9	54·5	54·6	59·2	63·8	61·1	63·2	60·9	55·5	54·2	54·5	53·9	54·5	54·0	53·3	52·7	53·0	54·3
18	53·1	53·2	53·3	53·4	52·9	52·2	52·2	50·2	49·6	52·2	55·7	58·8	60·0	60·0	58·2	56·4	54·8	54·5	54·0	53·7	53·8	53·7	53·4	53·8	54·3
19	54·0	54·1	54·0	53·7	52·7	52·6	51·7	50·8	50·8	52·6	55·7	59·5	60·3	61·5	59·3	57·3	56·9	55·5	54·5	55·2	52·2	50·1	51·5	52·4	54·5
20	52·2	45·5	41·7	45·6	50·9	51·5	51·7	51·0	50·8	52·6	55·1	57·3	59·4	61·6	61·3	53·7	54·7	62·6	60·3	55·6	55·3	54·0	53·2	52·6	53·8
21	51·0	50·2	53·8	53·9	52·6	52·5	52·1	53·1	52·5	53·8	56·5	59·6	60·1	60·7	60·7	58·8	57·6	56·1	55·3	54·6	54·2	53·7	53·7	53·7	55·0
22 Q	53·8	53·6	53·6	53·6	53·4	53·0	52·7	52·3	51·5	51·8	54·0	56·4	58·3	58·5	56·9	56·4	56·4	55·7	55·5	55·0	54·4	54·0	53·9	54·0	54·5
23	53·6	53·2	53·5	53·6	53·4	52·7	52·7	51·9	51·1	52·2	55·2	57·3	58·8	58·2	58·4	58·2	57·8	58·6	60·6	54·2	52·2	47·3	39·3	45·8	53·7
24 D	50·5	49·0	50·7	53·1	52·3	49·8	50·2	50·5	51·7	53·7	56·4	57·8	64·1	63·2	58·8	65·1	64·5	69·2	58·4	55·5	52·5	52·6	46·6	51·6	55·3
25	51·3	53·0	53·7	53·4	52·9	52·6	52·2	51·6	51·7	52·6	54·1	57·3	56·8	57·7	56·9	54·8	54·8	55·0	55·0	54·7	54·5	54·5	53·6	53·6	54·1
26	52·6	52·3	52·7	51·9	52·7	52·6	52·2	52·3	53·0	55·4	59·4	61·2	60·2	59·4	58·3	56·5	55·5	54·6	54·8	54·5	54·0	53·6	53·6	53·5	54·9
27 Q	53·4	53·1	53·1	52·9	52·6	52·6	52·1	51·9	51·6	52·3	54·8	56·3	56·4	56·8	55·5	54·6	54·5	54·4	54·2	54·7	53·7	53·8	54·0	53·5	53·9
28 Q	53·7	53·7	53·5	52·6	52·6	51·8	51·2	51·2	51·1	52·2	55·2	58·4	58·6	58·6	57·8	55·8	55·8	55·2	55·1	54·2	54·0	53·9	53·5	53·5	54·3
29	53·7	52·9	53·2	52·8	52·2	51·2	51·8	51·2	50·2	51·5	55·3	59·2	59·1	58·4	58·4	56·4	55·1	55·8	55·0	54·7	54·7	54·0	51·5	51·8	54·2
30	53·1	53·1	52·3	53·4	51·7	50·8	51·3	51·6	51·0	53·1	55·7	57·5	57·8	56·8	55·8	55·3	55·3	56·1	56·2	55·0	54·4	54·0	53·7	52·8	54·1
31 D	53·1	56·3	56·0	50·1	51·3	49·9	51·9	53·2	53·9	53·2	63·1	60·3	61·8	66·1	67·4	60·9	55·6	53·9	53·4	53·4	52·8	52·7	52·6	52·7	55·7
Mean	52·0	52·0	52·0	51·8	52·7	53·2	52·9	51·9	51·4	52·6	55·6	58·4	59·9	60·7	60·1	58·1	57·2	56·8	56·5	54·7	53·6	52·5	51·7	51·2	54·6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

43 LERWICK (V) 46,000 γ (·46 C.G.S.unit) + OCTOBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	751	753	758	746	757	768	775	785	794	797	801	803	805	805	804	801	799	799	804	809	801	798	771	776	786
2 Q	792	799	801	802	803	803	804	805	807	806	803	800	797	794	796	804	814	811	808	799	799	798	798	797	801
3 Q	800	801	801	802	801	801	803	802	801	801	798	797	796	795	799	807	811	810	805	801	800	797	797	796	801
4	796	796	797	798	800	800	802	804	801	800	797	793	791	789	787	790	794	796	797	799	799	791	793	794	796
5	793	793	792	789	789	788	789	794	796	792	792	789	791	792	791	796	807	814	839	877	851	826	793	769	802
6	742	716	724	753	764	753	763	752	790	796	800	805	801	798	801	817	820	814	814	812	814	807	718	752	780
7	757	776	789	793	795	796	797	799	804	807	805	805	806	800	811	825	823	812	805	801	809	753	762	747	795
8	757	736	703	679	711	745	763	786	796	802	807	811	812	813	818	842	836	817	809	797	800	800	801	801	785
9	800	799	797	812	779	788	792	801	808	808	804	806	814	820	830	864	864	839	836	808	805	803	792	792	811
10 D	747	711	656	631	643	672	719	751	787	813	819	845	848	851	854	874	860	836	828	822	816	809	807	806	784
11	801	798	801	802	801	802	803	806	811	818	816	813	812	810	802	801	800	799	797	797	797	799	800	801	804
12	802	803	802	801	800	799	800	804	807	808	804	800	800	801	805	804	800	797	796	795	796	797	797	799	801
13	800	801	801	800	800	799	797	800	803	800	796	797	799	798	798	796	796	798	797	796	796	793	795	796	798
14	796	797	797	796	796	796	796	799	806	798	792	792	799	808	818	833	852	866	841	823	807	800	796	794	808
15	795	788	748	741	754	771	782	787	793	796	794	793	794	795	802	809	809	805	804	802	802	803	756	764	787
16 D	789	797	799	799	799	793	788	796	797	797	797	796	801	803	807	816	856	959	915	871	848	766	663	628	803
17 D	569	628	554	563	592	688	732	781	803	814	820	823	812	830	827	820	816	812	809	803	801	803	801	800	754
18	802	803	804	805	806	804	804	808	812	809	809	810	811	811	814	816	813	809	808	805	803	801	800	799	807
19	799	800	799	801	801	802	803	805	804	804	805	809	816	816	815	807	805	807	804	801	813	805	798	799	805
20	789	698	712	749	772	788	798	802	802	806	805	805	804	806	813	834	835	841	864	857	835	818	810	806	802
21	796	799	800	802	802	803	803	803	804	804	804	802	806	808	810	815	810	809	808	806	805	804	802	799	804
22 Q	798	798	799	799	800	802	802	803	806	806	801	796	794	797	799	799	799	800	800	801	802	801	800	798	800
23	797	798	797	793	792	796	799	802	803	799	794	796	795	795	796	799	800	800	807	852	835	809	768	773	800
24 D	778	778	786	780	791	794	797	799	800	797	797	792	791	804	810	822	886	982	1008	935	873	841	798	745	824
25	779	793	798	801	801	801	800	803	805	807	807	808	809	802	802	808	803	800	799	800	801	803	803	803	801
26	804	804	800	800	799	799	799	802	805	807	804	805	811	811	812	807	800	798	798	800	800	801	803	802	803
27 Q	802	801	800	798	796	795	795	795	798	796	795	798	799	801	800	798	798	796	795	795	795	798	798	799	798
28 Q	799	798	798	797	795	791	791	793	795	800	797	798	801	801	802	804	801	796	795	794	793	794	797	797	797
29	798	797	797	795	794	791	791	793	797	795	791	790	793	796	797	806	801	794	792	791	791	796	801	799	795
30	798	798	799	797	787	790	791	793	795	791	789	789	791	795	797	798	799	798	797	795	794	794	794	797	794
31 D	799	795	762	778	786	784	783	782	783	793	797	823	850	869	883	895	878	846	822	811	807	804	802	803	814
Mean	781	779	773	774	778	784	789	795	800	802	801	803	805	807	810	816	819	821	819	815	809	800	788	785	798

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

44 LERWICK OCTOBER, 1936

Day	Terrestrial Magnetic Elements																		HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000 γ+			Minimum 14,000γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000γ +			Minimum 46,000γ +			Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			
1	22	6	459	374	11	15	85	14	30	60·2	44·2	1	58	16·0	19	6	813	741	0	36	72	459	1	82·2
2 Q	23	43	443	381	11	5	62	14	6	62·6	48·8	9	22	13·8	16	55	817	782	0	0	35	253	0	82·7
3 Q	19	34	443	382	11	39	61	13	30	65·5	50·6	8	9	14·9	16	44	812	794	13	23	18	172	0	82·8
4	21	36	462	386	11	52	76	14	14	61·4	49·6	8	38	11·8	7	57	804	786	14	0	18	193	0	82·9
5	18	2	454	386	13	5	68	18	30	64·3	38·8	21	38	25·5	19	35	884	761	23	56	123	674	1	82·9
6	22	13	445	368	22	34	77	13	38	61·8	41·1	23	10	20·7	16	3	826	656	22	27	170	907	1	82·7
7	19	23	443	376	9	28	67	14	13	63·3	37·5	23	33	25·8	16	6	830	736	21	35	94	536	1	82·4
8	19	15	488	390	12	7	98	14	8	61·9	37·0	19	14	24·9	15	34	848	667	3	41	181	988	1	82·2
9	18	51	512	369	12	21	143	12	41	67·0	35·0	19	16	32·0	15	45	878	775	4	9	103	688	1	82·2
10 D	16	14	448	319	4	21	129	5	7	72·9	25·5	3	1	47·4	15	44	881	615	3	51	266	1431	1	82·1
11	18	22	437	376	11	10	61	13	38	60·9	47·6	8	26	13·3	9	43	818	796	18	47	22	191	0	82·0
12	22	36	438	378	11	4	60	11	48	59·0	48·5	7	20	10·5	9	30	809	795	19	41	14	152	0	82·2
13	16	51	444	392	10	58	52	13	35	59·8	49·5	8	35	10·3	8	26	804	792	21	25	12	131	0	82·5
14	16	9	444	398	12	10	46	16	40	67·1	49·9	8	57	17·2	17	19	872	788	11	13	84	459	1	81·8
15	20	15	444	385	22	15	59	13	42	61·2	39·5	3	13	21·7	16	5	811	727	22	46	84	478	1	81·2
16 D	18	6	725	-243	22	31	968	19	32	103·5	9·1	22	58	94·4	19	34	1030	528	22	54	502	3743	2	81·3
17 D	19	16	433	-48	1	53	481	5	2	76·9	8·4	1	10	68·5	13	54	834	428	2	43	406	2593	2	81·3
18	6	27	436	383	11	16	53	12	58	61·6	44·8	6	53	16·8	15	30	816	798	9	50	18	160	1	81·4
19	19	38	439	387	11	38	52	13	43	63·0	48·4	21	36	14·6	20	27	818	798	0	4	20	169	1	81·1
20	15	27	454	383	1	13	71	17	54	64·6	38·8	1	50	25·8	18	41	870	669	1	50	201	1043	1	80·2
21	0	34	434	391	10	38	43	14	4	61·5	48·7	1	0	12·8	15	49	816	791	0	40	25	179	0	79·6
22 Q	21	28	436	397	11	10	39	13	27	59·4	51·1	8	48	8·3	9	3	808	793	12	30	15	126	0	80·1
23	21	53	444	380	22	33	64	18	46	61·7	35·0	22	18	26·7	19	25	865	757	22	6	108	597	1	81·0
24 D	17	40	849	381	10	48	468	17	45	81·6	43·6	22	45	38·0	18	14	1066	726	23	10	340	2265	2	81·4
25	5	52	430	392	13	16	38	13	10	58·6	49·6	8	35	9·0	12	4	812	769	0	6	43	256	0	81·1
26	18	8	434	393	12	49	41	11	23	62·1	51·2	2	30	10·9	14	16	815	797	18	4	18	143	0	80·8
27 Q	22	55	434	399	11	5	35	13	19	57·6	51·3	8	47	6·3	0	16	803	794	18	23	9	92	0	80·0
28 Q	21	24	437	398	10	12	39	11	53	59·8	49·6	7	43	10·2	15	34	807	790	6	50	17	136	0	79·8
29	19	48	442	400	10	28	42	11	56	61·2	49·6	8	29	11·6	15	45	808	789	19	50	19	149	0	79·2
30	4	45	438	402	9	56	36	12	6	58·2	50·1	5	7	8·1	3	2	801	786	4	49	15	122	0	79·5
31 D	13	6	536	347	9	43	189	13	28	71·0	47·7	3	11	23·3	15	16	903	755	2	36	148	965	1	79·8
Mean	--	--	471	348	--	--	123	--	--	64·9	42·6	--	--	22·3	--	--	844	741	--	--	103	660	0·65	81·4
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 40. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

45 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — NOVEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	408	409	410	411	411	412	410	406	399	393	391	392	391	394	393	403	407	411	418	423	420	419	418	419	407
2	421	420	421	423	423	423	421	418	410	401	395	394	398	405	420	426	431	434	436	432	422	420	417	424	418
3 D	421	417	418	418	404	442	427	413	404	400	381	380	391	406	420	445	457	458	471	439	298	422	402	387	413
4	402	384	281	347	381	378	409	410	406	395	385	376	372	379	398	404	407	421	425	425	425	424	421	415	395
5	410	377	384	413	419	423	427	427	421	401	397	393	388	393	400	409	418	421	424	425	426	417	419	422	411
6	420	417	414	419	426	432	432	429	421	404	389	393	392	396	399	406	417	423	417	421	423	421	414	417	414
7	417	418	419	422	426	429	425	423	417	407	392	384	392	403	416	424	419	425	422	423	407	394	409	409	413
8	412	414	416	421	424	422	422	424	417	406	399	396	397	403	416	422	416	422	418	417	420	422	417	401	414
9	401	374	373	402	407	415	421	411	413	407	398	390	392	398	406	418	421	424	430	430	430	427	427	429	410
10	429	427	430	434	439	440	439	438	423	415	410	405	408	415	421	424	430	449	442	447	443	428	418	419	428
11 D	415	418	421	420	428	433	419	432	423	406	398	391	397	400	421	439	466	485	409	419	412	304	387	397	414
12	392	396	395	385	408	405	409	409	402	394	392	394	399	405	406	410	412	423	423	420	424	426	426	423	407
13 Q	422	421	419	420	422	425	425	420	415	407	401	402	405	411	414	417	420	423	426	427	429	429	429	425	419
14	426	414	419	422	426	431	431	429	423	410	405	406	407	409	413	416	420	417	423	431	432	433	431	428	421
15 D	426	434	423	423	430	442	441	418	420	414	410	405	403	406	426	414	409	422	425	425	430	427	428	409	421
16 D	409	417	417	418	414	419	423	426	417	403	397	400	397	395	411	429	429	427	422	429	421	422	410	420	415
17	420	416	414	419	423	425	423	417	414	409	413	411	409	416	420	422	426	430	425	425	430	455	426	410	421
18	415	419	409	398	423	429	430	410	394	408	405	396	402	408	412	421	424	425	421	425	439	433	421	418	416
19	408	409	417	415	413	426	427	422	413	410	407	400	392	405	412	420	423	424	439	430	437	436	430	428	418
20	432	421	423	423	421	425	434	429	410	393	388	387	388	391	395	407	407	419	420	422	424	419	418	421	413
21	423	424	422	424	425	426	426	424	420	412	407	407	406	405	418	424	429	428	427	426	425	424	428	436	421
22 Q	431	429	429	425	425	429	427	427	425	419	415	415	412	417	417	419	421	425	428	428	427	428	429	429	424
23 Q	429	429	431	431	431	431	432	429	424	419	416	413	414	419	421	424	429	430	430	430	431	432	431	429	426
24 Q	429	428	429	430	433	432	433	433	429	423	421	417	415	417	422	432	430	432	436	437	437	436	434	432	429
25 Q	431	430	429	430	433	435	435	432	423	417	417	417	420	421	424	427	432	435	437	437	437	436	435	432	429
26	426	425	428	428	429	428	428	426	424	419	420	420	423	429	431	438	439	439	443	446	438	429	430	428	430
27	424	422	428	426	427	428	429	427	422	414	409	411	411	416	421	423	427	431	432	433	434	434	430	431	425
28	429	428	429	431	433	432	432	429	426	421	417	415	418	422	429	436	441	439	438	437	438	434	427	433	430
29 D	410	304	376	370	194	296	327	336	336	356	382	388	388	399	399	400	398	405	402	399	396	399	399	397	369
30	398	395	395	399	402	404	404	403	401	398	392	387	391	399	406	410	405	412	419	419	417	416	416	416	404
Mean	418	411	411	415	413	421	422	419	413	406	402	399	401	406	414	420	424	429	428	428	422	422	421	419	416

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

46 LERWICK (D) — 12° + — NOVEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	11-12	10-11	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	52·9	53·0	53·2	53·2	52·8	52·1	51·6	51·0	50·4	51·6	53·4	55·2	54·8	55·6	54·8	54·5	54·5	55·0	54·3	54·2	53·8	52·8	53·2	53·0	53·4
2	53·5	53·6	53·2	53·3	52·9	52·3	51·8	51·2	50·8	51·6	53·5	55·2	56·1	56·1	56·8	56·3	55·8	55·9	55·5	55·8	54·1	49·9	46·1	47·7	53·3
3 D	50·7	51·5	51·8	49·0	57·0	54·0	52·3	56·5	54·1	52·6	53·8	59·2	60·7	63·7	65·6	66·7	68·8	68·6	61·3	55·1	51·3	45·6	47·5	39·0	55·7
4	47·1	48·9	40·6	33·3	44·2	49·4	51·1	50·3	50·1	51·4	54·4	55·6	56·0	57·0	58·1	57·0	55·4	54·3	54·5	53·8	53·0	52·7	52·9	51·9	51·4
5	49·9	41·1	41·0	51·9	50·7	50·7	51·0	51·4	50·7	51·2	52·4	56·8	57·7	57·9	57·3	56·6	55·2	54·8	54·7	54·1	53·2	47·6	50·3	52·8	52·5
6	53·2	52·3	54·1	53·7	52·5	51·8	51·9	51·2	50·9	50·6	52·1	55·4	57·2	57·8	57·4	56·6	55·4	56·2	55·0	54·2	53·3	51·3	42·6	41·0	52·8
7	48·5	51·2	52·9	52·5	51·9	51·6	51·6	51·9	49·4	50·5	52·3	55·6	58·5	60·3	63·1	62·4	59·9	60·2	58·8	52·6	53·4	44·7	43·2	48·0	53·5
8	51·2	51·8	53·4	52·5	52·3	52·7	54·3	52·3	51·3	51·7	53·6	55·6	56·6	56·8	56·4	56·7	54·0	54·2	56·8	54·4	52·8	50·0	37·8	44·9	52·7
9	45·7	41·3	55·1	47·7	51·0	51·5	50·3	50·3	49·0	50·1	52·8	54·8	56·3	55·8	56·0	56·1	55·3	55·0	55·0	54·1	53·9	54·4	53·2	53·2	52·4
10	53·2	52·3	52·1	52·3	52·3	51·9	52·0	52·1	51·6	52·0	53·8	55·7	56·5	57·2	57·7	56·9	56·2	59·5	60·1	59·9	55·9	52·0	49·9	51·4	54·4
11 D	52·9	52·3	52·4	52·7	48·5	49·2	53·3	54·6	55·1	53·4	56·1	56·7	57·9	58·6	58·9	58·7	62·7	50·5	52·0	54·9	47·0	39·7	42·1	44·7	52·7
12	45·4	48·5	48·0	52·4	49·1	51·7	50·9	50·7	50·8	51·7	53·5	55·1	56·1	56·4	57·2	56·0	56·2	56·7	55·6	51·8	52·1	53·6	53·3	53·3	52·8
13 Q	53·1	52·9	52·7	52·6	52·3	52·0	51·6	61·5	51·4	51·9	53·8	55·2	56·1	56·1	55·8	54·8	54·4	54·1	53·8	53·4	53·3	53·4	53·4	53·0	53·5
14	51·4	49·0	49·6	50·3	51·1	51·2	51·3	51·4	51·6	52·3	54·4	56·9	56·6	56·7	56·4	46·1	55·5	54·6	55·1	54·2	53·6	52·4	52·3	52·3	53·2
15 D	51·5	48·6	49·6	51·1	51·6	51·6	52·2	54·1	55·1	52·6	55·5	57·0	60·5	63·4	63·1	67·9	61·4	55·6	54·5	53·7	49·8	35·8	42·6	47·0	53·6
16 D	50·4	54·1	53·6	52·6	53·9	55·5	55·4	53·7	52·5	52·8	53·0	56·7	58·4	62·0	58·7	60·4	52·9	55·7	53·6	47·2	49·1	47·9	52·7	51·0	53·9
17	52·1	51·8	52·2	52·5	51·9	51·5	51·2	51·8	51·3	51·9	53·7	55·3	56·2	57·4	57·1	56·2	58·1	53·6	55·3	54·1	48·6	45·2	45·8	46·6	52·6
18	50·0	48·1	49·4	53·5	51·6	51·3	53·0	55·4	61·5	55·7	57·9	57·8	60·6	58·4	55·9	55·5	48·1	51·9	54·0	53·2	50·7	48·6	50·3	47·5	53·3
19	48·4	50·2	51·5	51·0	51·3	50·4	50·8	51·3	50·6	51·1	53·7	56·3	55·8	58·8	57·9	58·5	59·5	54·4	49·8	53·4	46·2	49·8	52·0	50·7	52·6
20	51·6	52·1	54·0	53·3	52·3	51·4	52·9	53·5	53·0	53·6	57·4	58·6	58·5	59·9	60·2	60·1	56·9	54·6	52·0	51·2	50·8	51·1	49·7	51·3	54·2
21	54·4	52·1	52·7	52·3	52·4	52·3	52·5	52·3	52·0	52·7	53·8	55·9	57·6	55·9	55·9	55·5	54·8	54·6	54·1	52·7	52·6	51·9	52·0	53·3	53·6
22 Q	51·6	52·0	52·3	51·9	52·2	51·0	51·6	52·3	52·3	53·2	54·2	55·2	55·8	56·1	56·6	55·1	55·1	54·4	53·9	53·5	53·1	52·7	52·0	51·7	53·3
23 Q	52·8	53·4	52·4	52·9	52·0	52·0	52·0	52·0	51·7	52·1	53·5	54·4	55·3	55·6	55·3	54·2	53·4	53·4	52·7	52·1	52·6	52·8	53·0	53·0	53·1
24 Q	53·1	52·9	52·7	53·0	53·0	53·0	52·4	52·3	52·0	52·2	54·4	56·1	57·5	57·0	57·2	57·5	56·1	55·7	54·3	53·4	52·9	52·7	52·5	52·8	54·0
25 Q	52·0	51·9	51·6	52·3	52·3	53·0	52·3	52·4	52·3	53·4	54·1	55·7	56·9	56·6	56·2	56·1	55·1	54·6	54·1	53·8	53·2	52·6	52·6	52·4	53·6
26	51·4	50·9	51·6	52·4	52·4	51·3	52·5	52·3	52·3	53·6	55·3	56·9	57·9	57·9	57·4	57·8	59·4	58·0	63·5	58·9	57·0	54·3	52·9	52·1	55·0
27	51·4	50·8	50·3	52·9	52·6	52·2	52·1	51·9	51·5	52·5	53·7	55·6	56·1	56·1	55·8	55·1	54·5	54·0	53·7	53·3	53·1	52·9	52·7	52·8	53·2
28	52·6	52·9	52·7	53·2	52·9	52·6	52·3	52·0	51·5	52·3	53·5	55·0	56·6	56·8	57·3	56·9	56·3	55·1	54·6	54·6	54·7	54·4	52·7	52·3	54·0
29 D	35·0	35·1	43·1	49·7	53·7	66·9	62·9	51·1	54·1	58·2	56·1	57·1	58·2	58·7	57·7	54·8	53·9	53·5	53·3	52·5	48·2	50·6	50·3	51·4	52·8
30	51·5	51·0	51·0	51·1	50·8	50·8	50·8	50·5	50·1	50·4	51·9	52·5	53·8	54·1	54·1	54·1	51·7	52·4	54·1	53·2	52·2	51·9	51·1	49·5	51·9
Mean	50·6	50·3	51·4	51·4	51·9	52·3	52·4	52·2	52·0	52·4	54·1	56·0	57·1	57·8	57·6	57·4	56·2	55·4	55·0	53·8	52·2	50·1	49·8	50·1	53·3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

47 LERWICK (V) | 46,000 γ (·46 C.G.S.unit) + | NOVEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	804	807	807	808	810	810	810	809	807	807	808	809	811	812	816	818	820	819	814	809	807	804	802	801	810
2	801	803	804	805	806	806	806	806	808	807	804	802	801	801	797	797	797	798	799	804	811	796	780	781	801
3 D	784	780	771	775	760	734	757	768	778	786	798	803	819	827	837	856	876	908	937	918	723	829	823	806	811
4	799	787	702	687	736	732	732	776	795	808	810	811	811	811	813	817	820	815	809	808	807	805	804	797	787
5	762	738	727	740	781	793	796	798	802	808	809	808	807	803	802	801	801	802	802	803	803	811	807	799	792
6	798	798	796	790	793	796	797	800	805	809	808	802	806	806	805	801	802	807	814	808	808	807	785	765	800
7	772	784	792	796	796	795	796	793	798	803	805	804	802	807	815	823	823	826	838	848	815	788	790	788	804
8	767	771	788	797	797	796	793	792	798	802	804	803	801	802	804	813	833	833	836	828	820	805	776	768	801
9	724	698	646	684	764	790	796	805	808	813	813	813	813	809	806	806	809	805	800	800	799	801	802	801	784
10	801	802	794	785	785	790	792	793	797	796	798	800	800	798	800	800	798	793	810	844	855	844	828	820	805
11 D	814	804	801	802	792	785	784	771	780	790	794	801	814	834	862	861	890	907	860	877	823	711	730	763	810
12	775	789	790	751	747	790	798	802	806	811	812	813	813	812	816	814	810	808	814	818	812	804	802	802	800
13 Q	802	802	804	803	802	801	799	800	800	800	801	802	801	802	802	804	802	801	799	797	796	796	797	797	800
14	781	790	789	797	798	796	796	797	800	802	802	802	804	805	806	807	809	817	809	802	801	798	797	800	800
15 D	800	794	798	801	799	795	793	799	790	797	799	800	805	815	851	863	852	826	818	814	820	806	783	776	808
16 D	787	794	798	798	800	792	786	794	792	795	796	799	805	816	822	823	841	824	819	810	805	793	767	772	801
17	788	799	801	801	800	798	798	798	799	798	796	796	797	799	804	806	806	814	808	806	804	776	771	777	797
18	776	774	786	775	781	791	791	798	797	787	791	799	802	810	837	840	842	823	814	808	797	764	775	778	797
19	784	781	781	791	793	788	793	796	801	803	801	802	809	808	806	809	814	823	814	814	813	786	785	785	799
20	781	791	793	793	790	784	778	784	793	805	805	808	814	819	824	830	833	831	830	823	817	809	801	795	805
21	786	785	791	795	798	799	800	801	805	807	807	803	801	807	805	804	802	802	804	806	806	806	802	789	800
22 Q	782	789	789	792	793	795	797	799	801	801	802	800	799	799	802	804	803	802	802	804	806	805	801	800	799
23 Q	798	795	792	789	792	794	795	797	800	801	801	800	799	798	797	798	799	799	799	800	800	799	799	798	797
24 Q	796	796	795	793	791	791	792	793	795	795	795	796	796	794	794	795	796	795	795	795	796	796	796	798	795
25 Q	798	795	794	793	791	790	790	791	794	795	795	796	797	797	796	799	796	794	793	793	794	795	796	797	795
26	800	799	796	795	792	791	790	791	792	794	793	793	794	794	795	793	793	797	806	855	843	826	812	806	802
27	804	797	788	793	794	793	791	791	793	794	795	794	795	796	796	795	794	793	791	789	789	790	792	794	793
28	796	798	796	794	792	791	789	788	788	788	790	792	791	792	792	791	788	788	788	788	787	788	790	769	790
29 D	658	499	619	587	511	550	652	737	782	790	784	797	801	803	805	824	816	812	809	811	829	822	815	809	738
30	807	810	812	811	809	807	805	804	803	804	804	805	804	807	808	811	819	815	805	804	803	801	801	799	807
Mean	784	778	778	777	780	782	786	792	797	800	801	802	804	806	811	813	816	816	815	816	806	799	794	791	798

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

48 LERWICK | NOVEMBER, 1936

Day	Terrestrial Magnetic Elements																		HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 14,000γ +			Minimum 14,000γ +			Range	Maximum 12° +			Minimum 12° +			Range	Maximum 46,000γ +			Minimum 46,000γ +			Range			
	h	m	γ	h	m	γ	γ	h	m	′	′	h	m	′	′	h	m	γ	h	m	γ	γ			°A
1	20	19	427	12	24	387	40	13	10	56·8	50·0	8	30	6·8	16	32	822	23	55	801	21	156	0		79·8
2	16	55	440	11	32	393	47	14	26	60·1	44·2	22	20	15·9	20	39	814	23	9	777	37	241	1		79·8
3 D	18	4	525	20	34	71	454	20	32	118·5	14·3	20	7	104·2	18	6	948	20	28	497	451	2765	2		79·3
4	21	29	428	2	26	246	182	14	31	59·1	27·1	3	14	32·0	16	44	822	2	27	661	161	1015	1		79·6
5	7	8	432	1	37	354	78	12	3	60·9	35·8	1	41	25·1	21	41	814	2	45	694	120	674	1		79·5
6	5	28	434	12	33	386	48	12	15	59·5	37·9	22	48	21·6	18	9	818	23	29	763	55	326	1		79·1
7	20	7	444	21	5	375	69	14	45	64·4	34·9	21	49	29·5	19	36	856	0	0	767	89	516	1		79·0
8	18	11	431	11	25	393	38	18	25	59·0	33·8	22	27	25·2	18	34	841	0	36	752	89	472	1		79·0
9	24	0	432	2	45	339	93	2	35	62·7	35·9	1	27	26·8	9	55	814	2	39	625	189	1019	1		79·5
10	17	4	458	11	29	401	57	19	24	64·1	45·5	21	57	18·6	19	52	861	3	40	782	79	452	1		79·8
11 D	17	6	611	21	26	99	512	16	34	72·1	10·4	21	42	61·7	17	20	988	21	24	592	396	2590	2		79·6
12	17	22	428	3	22	361	67	13	59	57·9	42·3	0	5	15·6	19	11	822	4	7	720	102	573	1		79·0
13 Q	22	57	430	10	26	399	31	13	30	56·2	48·9	24	0	7·3	15	40	805	23	58	795	10	92	0		78·7
14	20	16	436	10	30	403	33	11	46	57·9	47·9	2	50	10·0	17	10	819	0	34	771	48	273	0		78·0
15 D	5	41	445	12	19	392	53	15	47	71·5	29·5	21	25	42·0	15	10	869	23	16	768	101	549	1		77·9
16 D	16	6	448	12	32	383	65	13	32	65·1	42·5	19	35	22·6	16	32	846	22	38	756	90	515	1		78·0
17	21	45	466	12	20	405	61	16	56	59·5	41·4	21	41	18·0	17	24	819	21	59	766	53	336	1		77·8
18	20	55	468	3	14	381	87	8	26	63·7	41·8	21	36	21·9	14	53	849	21	23	758	91	551	1		77·7
19	18	32	462	12	23	381	81	13	46	60·8	36·1	20	40	24·7	17	38	829	21	44	775	54	370	1		77·6
20	6	34	437	10	45	381	56	15	10	61·6	48·3	22	36	13·3	17	54	835	6	24	775	60	362	0		77·8
21	23	45	445	13	7	395	50	12	28	58·1	50·2	19	24	7·9	19	32	810	24	0	775	35	236	0		78·7
22 Q	0	0	441	12	25	411	30	14	15	56·9	50·3	5	32	6·6	20	40	806	0	0	775	31	188	0		79·4
23 Q	3	44	435	11	48	412	23	13	50	56·0	51·2	4	1	4·8	20	5	801	3	43	785	16	108	0		79·9
24 Q	19	44	439	12	20	414	25	15	1	57·9	51·5	9	5	6·4	16	43	799	5	8	790	9	78	0		79·6
25 Q	20	36	438	11	15	415	23	12	56	57·8	51·0	2	22	6·8	15	15	800	5	42	789	11	84	0		79·2
26	19	35	454	9	6	414	40	18	45	64·5	50·2	1	4	14·3	19	44	866	16	8	788	78	423	1		78·8
27	20	35	436	10	24	408	28	13	8	56·5	49·2	2	25	7·3	0	0	805	2	15	786	19	129	0		78·2
28	23	40	468	12	4	413	55	23	46	58·9	45·6	24	0	13·3	0	54	799	24	0	703	96	528	1		78·0
29 D	11	53	461	-22	4	25	483	4	25	95·9	29·5	0	19	66·4	20	57	840	358	4	45	482	2952	2		77·3
30	19	43	425	382	11	21	43	12	28	55·1	48·4	23	29	6·7	16	41	821	798	23	30	23	170	0		77·9
Mean	--	--	451	352	--	--	98	--	--	63·6	40·9	--	--	22·8	--	--	835	731	--	--	103	625	0·73		78·8
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30		30

§ For explanation see page 40. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56 61

11·3 B 1936 12 2 of 13 5 140
10·5

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

49 LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — DECEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	410	408	408	407	403	413	418	407	402	400	392	388	398	403	408	411	414	419	422	432	421	409	415	414	409
2	415	415	414	413	420	426	429	423	407	409	404	401	402	405	409	414	419	426	424	424	420	407	403	412	414
3	416	413	407	418	417	420	419	420	416	409	406	399	394	406	411	414	415	426	426	417	414	419	422	427	415
4 D	422	417	419	424	435	442	423	425	422	417	413	414	410	404	410	432	423	422	426	429	430	426	426	425	422
5	413	402	417	419	420	418	422	421	418	411	409	408	409	416	421	426	429	429	431	427	431	423	412	426	419
6	422	420	415	422	421	423	423	422	418	417	413	411	409	419	423	418	424	424	427	426	420	426	430	442	421
7	429	424	422	421	421	423	422	420	420	414	405	406	408	410	420	429	423	421	431	431	417	424	424	422	420
8	421	420	414	418	423	424	423	422	420	414	406	405	409	411	417	424	426	426	428	423	426	424	426	428	420
9 Q	428	426	426	425	426	428	428	426	422	414	406	405	411	416	411	421	425	428	431	430	429	429	431	430	423
10 Q	429	431	430	428	425	431	430	429	425	420	417	418	419	422	424	423	427	429	429	429	429	428	429	429	426
11	433	429	429	431	432	432	431	427	418	413	404	407	414	419	423	426	429	424	429	429	425	425	427	428	424
12 D	425	424	423	429	431	435	437	432	427	422	416	420	424	436	440	447	439	448	448	447	447	443	429	430	433
13 D	431	433	424	437	436	428	434	430	426	425	423	425	427	433	434	435	439	434	435	423	428	428	433	423	431
14	426	424	422	423	430	442	432	431	427	418	419	419	420	425	416	431	428	424	430	431	430	430	430	429	427
15	429	429	428	428	428	429	429	425	423	423	420	417	414	420	426	430	433	431	433	433	433	434	432	431	427
16	429	429	429	430	431	433	437	435	433	431	426	424	426	428	431	434	429	431	433	433	429	428	423	426	430
17	427	429	428	429	429	430	432	433	432	426	421	420	424	429	429	432	433	433	429	426	429	430	429	427	429
18	437	430	429	429	431	432	435	434	428	422	417	417	421	414	421	426	423	423	424	423	420	427	429	428	426
19 Q	429	430	430	431	432	433	434	433	429	421	417	417	421	425	428	429	430	432	433	432	433	433	433	432	429
20	431	431	432	433	437	437	440	439	433	424	414	411	415	422	418	424	429	430	428	424	409	411	419	416	425
21	418	420	419	423	427	427	430	429	428	423	419	416	409	414	420	420	423	421	425	433	435	432	432	429	424
22 Q	429	429	425	423	423	425	429	428	427	423	420	419	420	422	425	431	433	434	433	433	433	432	428	431	427
23	431	428	429	426	430	434	435	429	424	410	410	412	412	414	423	428	423	426	432	432	426	419	417	415	423
24 Q	417	423	420	420	420	426	424	422	419	413	411	410	411	415	418	421	423	426	429	429	428	427	429	432	421
25	431	429	430	431	432	433	432	430	427	422	419	420	420	420	426	430	430	429	434	433	436	432	430	431	429
26	432	432	430	430	431	432	433	432	429	428	424	421	420	422	423	425	427	429	431	436	438	437	437	437	430
27 D	434	433	432	440	446	439	441	436	435	428	419	414	415	421	412	416	414	415	409	414	417	393	397	364	420
28 D	331	363	367	332	338	287	363	371	397	422	400	409	455	509	521	471	462	400	393	393	391	392	387	395	398
29	399	399	401	405	407	407	409	403	396	394	394	391	388	392	393	396	394	401	405	401	401	402	408	414	400
30	413	412	414	413	415	416	417	414	412	407	399	392	396	403	405	405	411	415	415	406	402	403	411	414	409
31	417	417	419	420	422	424	425	425	423	416	409	403	403	408	408	410	412	417	423	427	428	429	423	422	418
Mean	421	421	421	421	423	424	426	424	421	417	412	411	414	419	422	425	425	425	427	426	424	423	423	423	422

425 at 0-1 h. Jan. 1st 1937

MAGNETIC DECLINATION

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

50 LERWICK (D) — 12° + — DECEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	50·1	51·9	51·1	52·3	51·0	51·8	50·1	51·3	50·9	52·5	53·2	54·2	56·2	56·7	57·9	57·7	55·9	53·2	51·6	47·9	50·0	50·0	50·1	50·6	52·4
2	50·7	52·0	52·8	54·1	52·6	51·6	52·0	52·1	51·0	51·8	53·2	54·1	54·9	56·0	55·7	54·8	54·2	54·0	53·3	52·5	52·6	49·1	49·7	46·5	52·6
3	47·5	47·4	47·5	47·3	47·8	50·6	51·5	51·1	51·3	52·3	54·5	56·0	57·1	57·6	57·5	58·8	55·4	52·9	54·7	53·9	51·6	50·0	50·8	48·5	52·2
4 D	47·2	50·3	51·0	53·6	56·1	53·1	52·1	51·9	52·0	50·8	52·5	56·7	56·8	58·5	56·3	57·7	56·9	55·6	53·4	53·9	53·1	52·7	52·3	51·6	53·6
5	53·6	52·4	50·3	50·3	50·8	50·8	51·5	51·8	51·6	52·1	52·7	55·0	55·7	56·6	56·5	55·5	55·3	54·9	55·7	53·4	52·7	52·3	50·3	49·5	53·0
6	51·3	50·9	51·4	50·0	50·9	51·5	51·2	51·1	50·9	51·8	53·5	54·7	55·6	56·1	57·0	55·6	56·0	58·1	57·5	55·7	51·4	52·4	50·8	46·7	53·0
7	49·7	49·4	51·8	52·7	51·8	51·7	51·9	51·6	50·9	52·3	53·1	54·5	55·1	55·7	56·1	55·9	57·6	57·8	57·9	56·8	49·4	52·8	52·3	52·3	53·4
8	52·5	51·6	52·0	52·2	52·0	51·4	51·9	51·6	51·6	50·9	51·3	52·0	53·9	55·2	55·3	54·5	54·1	53·9	54·2	54·5	49·4	52·8	52·3	52·2	52·6
9 Q	52·1	51·9	52·2	52·3	52·2	52·2	52·1	51·4	50·8	50·6	51·5	53·8	56·1	57·3	56·7	55·2	55·0	53·9	54·0	54·2	53·8	52·5	51·1	51·3	53·1
10 Q	52·2	52·1	51·6	51·2	52·6	52·1	51·1	51·1	50·8	51·3	53·1	55·4	56·5	57·5	57·5	56·1	54·2	54·1	53·1	52·9	52·3	52·1	51·8	51·5	53·1
11	52·5	52·3	53·0	52·3	51·8	51·5	51·4	50·8	50·6	51·2	53·1	55·3	57·0	56·8	55·7	55·3	54·2	53·3	53·5	52·8	51·5	51·6	51·2	51·7	52·9
12 D	51·8	51·6	51·7	53·3	53·1	53·2	52·5	52·0	52·2	52·7	52·7	54·1	56·0	57·8	59·4	59·3	59·8	59·2	58·1	56·8	60·2	55·2	53·7	51·2	54·9
13 D	52·0	53·3	52·6	51·8	53·1	53·1	52·6	52·0	52·0	52·5	53·7	54·8	55·0	55·4	54·5	54·2	54·4	54·7	54·0	56·0	51·7	50·2	46·2	50·4	52·9
14	51·7	51·2	52·2	50·4	51·2	48·7	51·1	51·0	52·5	52·8	52·2	54·0	56·4	56·9	56·0	55·9	56·2	52·2	53·7	52·9	51·9	51·3	51·2	51·0	52·7
15	51·5	52·2	52·2	52·2	51·9	51·7	51·6	52·2	52·9	52·0	53·6	55·6	55·2	55·7	55·1	54·1	54·0	54·0	53·1	52·6	51·9	50·7	51·2	51·7	52·9
16	52·0	52·1	52·3	52·4	52·6	52·3	52·2	52·2	51·6	51·3	52·2	53·5	54·6	55·4	55·2	55·8	55·3	54·2	53·6	53·2	50·9	46·5	50·3	50·8	52·6
17	51·1	52·0	52·2	51·9	52·0	52·0	52·0	51·7	51·7	51·8	52·8	54·1	55·9	55·7	54·7	54·5	54·0	54·3	53·5	52·6	52·1	51·5	50·8	50·2	52·7
18	46·8	49·5	49·9	52·0	51·9	51·8	52·0	52·1	52·1	52·6	53·7	55·0	54·9	56·0	56·1	55·5	55·7	55·2	53·3	52·6	50·6	50·7	50·8	51·1	52·6
19 Q	51·8	52·4	52·4	52·8	52·3	52·0	51·6	51·5	51·4	51·7	52·6	54·1	54·8	54·4	54·1	53·7	53·3	53·0	52·8	52·6	52·2	51·7	51·7	51·9	52·6
20	52·0	52·7	52·9	53·0	52·9	53·0	53·0	52·0	51·6	51·5	52·8	55·9	57·2	59·1	59·8	55·7	54·0	53·1	53·0	52·6	48·4	49·1	46·5	45·6	52·8
21	49·0	51·2	52·6	50·9	50·5	51·3	51·7	52·3	52·0	52·0	54·1	56·0	56·9	57·5	55·6	57·3	55·6	57·4	54·5	52·6	51·9	51·3	45·8	50·6	52·9
22 Q	51·5	50·8	50·2	50·7	51·3	51·5	51·8	51·6	51·2	52·1	52·6	53·0	54·0	54·3	54·5	54·1	53·7	53·0	52·8	52·3	51·9	51·9	51·2	49·1	52·1
23	48·3	49·9	52·0	52·2	51·3	51·2	50·9	51·7	52·1	51·3	52·3	54·0	54·2	55·0	55·4	55·6	55·0	54·0	54·0	53·1	52·8	50·5	48·8	48·7	52·3
24 Q	48·7	48·4	49·2	50·2	50·4	51·5	51·0	51·0	50·4	50·8	52·2	53·7	54·0	55·0	54·6	53·8	53·2	52·9	52·6	52·6	52·2	51·7	52·0	51·9	51·8
25	52·5	52·6	52·3	52·4	52·2	51·4	51·5	50·8	49·9	50·5	51·5	52·8	53·5	54·8	55·2	55·0	55·1	55·2	55·0	54·1	52·7	52·2	52·0	51·8	52·8
26	51·8	52·1	52·2	52·2	52·2	52·2	51·7	51·0	50·3	51·3	52·2	53·0	54·1	55·6	55·0	54·6	54·1	54·1	53·8	53·1	52·5	52·1	52·0	52·0	52·7
27 D	52·2	52·3	52·4	52·7	52·0	53·6	55·4	55·8	53·2	51·5	52·2	53·0	56·4	58·0	56·0	58·3	56·8	52·8	52·0	54·0	48·0	39·5	47·0	53·3	52·9
28 D	38·1	42·3	41·0	47·4	57·4	57·1	56·4	56·9	52·4	49·7	49·2	53·7	57·8	59·4	59·3	57·8	47·0	51·5	53·1	51·5	49·9	49·6	49·0	49·5	51·5
29	50·4	51·1	51·8	51·6	51·9	51·9	51·5	49·9	49·5	49·9	50·8	53·6	55·1	54·1	53·7	52·4	51·9	50·9	51·1	50·5	46·8	46·9	49·1	50·4	51·1
30	51·1	52·1	52·2	53·0	52·2	51·5	51·1	50·3	50·1	49·8	50·1	51·7	53·6	54·6	53·7	53·4	53·4	54·1	53·7	53·5	50·9	50·3	48·9	50·9	51·9
31	51·9	52·3	52·2	52·7	52·1	51·4	51·0	50·2	49·8	50·2	51·5	52·2	53·3	53·8	53·6	54·1	53·7	52·7	53·2	52·2	51·3	51·2	51·6	49·9	52·0
Mean	50·5	51·1	51·3	51·7	52·1	52·0	51·9	51·7	51·3	51·5	52·5	54·2	55·4	56·2	55·9	55·6	54·7	54·2	53·9	53·2	51·6	50·7	50·4	50·5	52·7

50·0 at 0-1 h. Jan. 1st 1937

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

51 LERWICK (V) — 46,000 γ (·46 C.G.S.unit) + — DECEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	797	794	789	791	785	791	799	804	808	811	810	811	812	822	824	824	825	820	816	808	797	800	793	795	805
2	794	797	798	797	798	799	798	798	804	799	795	794	792	795	799	801	801	800	803	804	807	815	808	773	799
3	784	789	791	776	783	786	789	795	800	803	803	801	804	804	806	809	813	815	815	825	828	817	808	892	801
4 D	776	782	782	781	767	772	788	791	791	793	791	788	788	789	791	793	801	808	811	805	805	809	807	803	792
5	795	774	774	789	795	798	797	798	799	800	800	800	799	795	795	797	798	799	800	811	804	807	800	799	797
6	799	797	804	798	799	799	799	799	800	801	803	803	800	799	799	805	807	811	825	836	830	817	812	803	806
7	803	797	797	798	797	797	797	799	800	801	803	803	802	799	797	796	803	805	813	822	830	811	808	806	803
8	805	804	801	792	796	796	797	798	799	801	800	800	800	798	799	800	799	797	797	803	805	799	799	800	799
9 Q	800	800	799	796	795	794	794	795	799	803	804	801	800	799	804	801	800	799	798	800	805	806	805	804	800
10 Q	801	800	799	797	795	791	793	793	796	797	798	799	796	797	801	804	803	803	800	800	800	800	800	800	798
11	796	799	800	799	798	796	796	797	800	801	805	805	804	803	805	809	807	810	807	805	809	807	805	803	803
12 D	802	798	794	796	799	797	795	797	798	796	796	800	799	795	798	800	807	805	806	813	825	836	834	821	804
13 D	808	803	799	797	795	796	793	793	793	791	793	793	794	795	799	800	799	800	801	812	811	807	807	798	799
14	800	801	802	800	793	780	787	786	788	789	789	789	793	796	803	805	807	811	802	798	797	796	795	796	796
15	795	796	797	798	798	797	795	794	793	793	793	795	797	797	799	800	800	800	799	799	797	796	794	793	796
16	793	794	795	796	795	795	792	792	791	790	792	793	793	793	794	797	800	799	799	799	800	803	799	795	795
17	795	794	795	796	796	796	795	793	793	794	793	793	791	791	795	796	798	800	805	806	802	799	795	793	796
18	777	778	783	789	793	794	793	793	796	796	795	794	795	798	799	803	808	809	811	811	812	805	800	798	797
19 Q	792	792	793	794	795	796	796	796	798	800	800	796	794	793	792	795	797	797	798	798	798	796	794	792	795
20	791	789	789	790	790	792	790	791	793	798	799	799	799	798	800	801	802	803	804	807	818	812	799	796	798
21	787	775	777	782	786	791	794	795	796	797	798	796	796	797	805	814	812	815	815	808	804	804	807	802	798
22 Q	798	796	796	795	794	794	794	796	798	800	800	801	800	796	795	794	793	793	794	796	796	797	798	796	796
23	792	791	787	787	787	788	787	792	794	798	798	796	796	795	795	797	799	798	796	799	803	808	808	805	796
24 Q	803	798	797	793	792	787	790	794	798	800	799	798	799	799	800	799	798	796	795	795	797	798	796	794	796
25	795	795	795	794	792	792	792	793	795	798	798	798	796	793	796	796	796	794	793	794	795	798	799	798	795
26	796	795	794	793	792	790	788	789	791	790	790	791	792	795	797	796	795	793	792	790	790	792	792	794	792
27 D	795	796	796	792	788	787	779	780	782	787	791	793	795	803	810	815	825	839	851	856	864	825	803	764	805
28 D	722	690	625	645	644	631	686	763	788	823	826	844	884	921	922	899	941	888	836	823	816	814	813	809	794
29	810	811	809	807	808	808	806	808	808	805	803	806	807	818	827	834	838	829	820	816	808	799	795	794	811
30	798	801	802	804	804	805	806	806	804	805	807	809	806	808	810	811	810	810	812	826	835	825	809	805	809
31	804	802	804	804	806	806	804	804	804	806	806	804	802	804	807	809	811	812	810	809	807	805	808	810	806
Mean	794	791	789	789	789	788	791	794	797	799	799	800	801	803	805	806	809	808	807	809	810	807	803	798	799

803 at 0-1h. Jan. 1st 1937

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

52 LERWICK — DECEMBER, 1936

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 14,000γ +			Horizontal Force: Minimum 14,000γ +			Horizontal Force: Range	Declination: Maximum 12° +			Declination: Minimum 12° +			Declination: Range	Vertical Force: Maximum 46,000γ +			Vertical Force: Minimum 46,000γ +			Vertical Force: Range	$HR_H + VR_V$ § / 10,000γ²	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	19	47	439	384	11	40	55	14	21	58·8	43·2	19	59	15·6	16	42	826	782	4	44	44	285	1	78·0
2	6	27	431	386	22	56	45	13	57	56·7	43·7	23	19	13·0	21	55	818	760	23	22	58	336	1	77·1
3	23	56	441	390	12	15	51	15	30	59·8	45·1	23	56	14·7	20	39	833	768	3	19	65	377	1	76·2
4 D	5	1	453	397	13	46	56	13	12	62·7	45·4	0	3	17·3	18	15	815	755	4	46	60	362	1	75·8
5	19	57	455	394	22	22	61	22	19	60·3	44·7	22	46	15·6	19	35	814	766	2	4	48	313	1	75·7
6	23	10	448	406	12	43	42	18	54	61·3	44·5	23	37	16·8	19	35	839	793	1	12	46	275	1	75·0
7	19	54	453	372	20	3	81	19	59	72·2	45·2	20	31	27·0	20	4	866	794	2	6	72	454	1	74·8
8	20	25	436	403	11	1	33	14	21	55·9	44·7	20	18	11·2	19	57	811	790	3	17	21	146	0	74·0
9 Q	22	47	438	403	10	55	35	13	59	57·9	48·9	22	40	9·0	20	54	808	794	5	7	14	116	0	74·6
10 Q	5	46	432	416	10	29	16	13	37	58·4	50·3	7	54	8·1	15	30	805	791	5	30	14	89	0	75·0
11	0	38	436	401	10	37	35	13	9	57·5	50·3	20	21	7·2	17	46	812	792	0	30	20	144	0	76·7
12 D	19	57	458	413	22	26	45	20	35	63·3	49·7	22	47	13·6	22	28	845	793	2	24	52	308	1	77·3
13 D	22	37	455	410	19	39	45	19	17	58·9	38·1	22	20	20·8	19	45	820	789	9	56	31	210	1	77·1
14	5	24	446	407	14	31	39	13	46	58·2	47·3	5	33	10·9	17	25	815	776	5	28	39	239	1	76·8
15	19	56	436	408	12	43	28	13	46	57·0	50·2	21	15	6·8	15	35	801	791	10	32	10	87	0	77·0
16	6	50	439	420	22	7	19	16	6	56·7	43·8	21	14	12·9	21	5	805	789	9	11	16	102	0	76·7
17	7	28	437	420	11	35	17	13	9	56·5	49·1	24	0	7·4	19	4	809	789	24	0	20	118	0	77·0
18	0	13	443	407	13	24	36	13	54	56·9	44·7	0	27	12·2	20	23	816	772	0	35	44	258	0	77·2
19 Q	22	25	436	415	10	47	21	12	30	55·3	51·2	6	51	4·1	9	58	801	790	0	55	11	81	0	77·8
20	6	36	441	405	20	34	36	14	13	61·3	42·8	23	18	18·5	20	42	822	788	2	51	34	211	0	77·6
21	21	0	437	401	12	52	36	17	55	59·4	37·9	22	41	21·5	17	57	821	771	1	38	50	286	1	78·2
22 Q	17	33	439	418	12	3	21	12	54	54·8	48·2	23	57	6·6	11	18	801	792	16	0	9	72	0	78·0
23	6	10	438	405	9	38	33	15	5	55·9	47·5	23	40	8·4	22	53	810	785	2	53	25	165	0	77·8
24 Q	23	26	433	409	11	23	24	13	50	55·6	47·6	1	30	8·0	0	0	807	787	5	20	20	129	0	77·5
25	20	7	439	417	10	56	22	19	2	55·8	49·5	8	23	6·3	22	25	799	791	18	29	8	69	0	77·9
26	20	20	438	420	12	45	18	13	30	55·9	49·6	8	55	6·3	14	34	798	788	6	50	10	73	0	77·5
27 D	3	32	449	298	23	56	151	23	32	63·5	29·2	21	15	34·3	19	56	873	713	23	54	160	966	1	78·0
28 D	14	7	556	225	5	3	331	4	39	71·5	28·4	2	43	43·1	16	29	964	596	2	39	368	2199	2	78·4
29	23	13	416	383	11	46	33	12	50	56·0	45·2	20	54	10·8	16	20	841	792	21	50	49	277	1	78·4
30	23	48	420	390	11	25	30	13	46	54·9	47·6	22	21	7·3	20	20	839	796	0	0	3	244	0	78·4
31	21	23	431	403	12	32	28	15	12	54·6	47·3	24	0	7·3	16	56	815	801	1	5	14	106	0	78·5
Mean	--	--	444	394	--	--	49	--	--	58·8	45·2	--	--	13·6	--	--	824	777	--	--	48	293	0·48	77·0
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	1	31	31	31

§ For explanation see page 40. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61

DIURNAL INEQUALITIES OF THE TERRESTRIAL MAGNETIC ELEMENTS - "ALL" DAYS

Departure from mean of the 24 hourly values
(uncorrected for non-cyclic change)

MONTH and SEASON	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
53 LERWICK — HORIZONTAL FORCE (ALL DAYS) — 1936																								
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-2·5	-3·3	-2·9	-3·6	-0·3	+3·6	+3·1	+2·7	-1·2	-3·3	-6·3	-8·7	-9·4	-5·0	-1·9	+0·1	+3·2	+3·8	+8·1	+13·3	+6·5	+2·4	+2·8	-1·2
February	-4·0	-4·8	-3·3	-0·7	0·0	+1·7	+2·4	+2·7	-0·3	-5·1	-9·6	-12·7	-9·6	-3·4	+0·6	+8·5	+8·0	+11·3	+11·4	+6·5	+2·6	+1·8	-2·3	-1·7
March	-3·8	-7·7	-8·0	+1·1	+7·2	+6·5	+5·1	+4·3	-2·8	-13·4	-21·5	-25·0	-21·1	-10·8	-2·1	+4·8	+8·7	+15·0	+20·3	+18·5	+12·3	+9·5	+3·4	-0·5
April	-28·9	-15·0	-4·1	-2·2	+1·3	-0·2	+1·5	-3·2	-14·9	-24·2	-29·7	-31·8	-24·8	-9·1	+14·5	+16·4	+36·3	+50·2	+46·5	+35·8	+22·2	+3·5	-9·4	-30·7
May	-1·7	-5·8	-2·5	0·0	+0·7	-2·4	-7·1	-16·5	-30·1	-38·2	-40·5	-34·2	-23·9	-11·9	+3·6	+14·4	+24·8	+38·8	+44·4	+40·1	+29·1	+11·4	+4·7	+2·8
June	+2·6	+3·9	-3·3	-14·4	-13·3	-10·0	-16·8	-23·6	-33·5	-40·5	-38·7	-34·1	-20·6	-9·0	+3·7	+15·3	+29·6	+40·4	+46·1	+45·2	+37·0	+23·8	+9·5	+0·7
July	-8·0	-16·9	-6·3	-2·8	-0·1	-1·7	-5·4	-14·4	-26·0	-39·1	-41·4	-34·9	-22·7	-5·8	+13·3	+30·2	+33·8	+41·4	+42·2	+35·8	+21·8	+10·8	0·0	-3·8
August	+6·0	+2·0	+0·7	+1·0	+3·7	+3·3	-2·2	-9·1	-19·8	-30·0	-35·7	-34·6	-26·2	-15·8	-1·4	+5·3	+13·4	+25·3	+29·5	+29·6	+22·2	+15·4	+10·1	+7·3
September	+12·6	+10·8	+9·9	+9·0	+9·4	+8·9	+5·5	-2·2	-14·3	-28·8	-37·8	-38·0	-31·1	-18·1	-7·4	+1·6	+7·7	+12·7	+14·3	+16·5	+18·3	+15·8	+14·1	+12·6
October	-0·9	-5·2	-3·4	+5·1	+6·9	+9·3	+9·4	+5·3	-6·0	-19·8	-25·9	-25·9	-19·7	-9·6	-3·1	+4·5	+10·3	+21·6	+20·6	+10·6	+10·5	+5·9	-2·5	+2·0
November	+1·9	-4·7	-5·4	-1·0	-2·6	+4·6	+6·4	+3·3	-2·9	-9·9	-14·4	-16·4	-15·4	-9·8	-2·4	+4·4	+7·8	+12·6	+11·7	+11·7	+6·4	+5·6	+4·9	+3·6
December	-0·5	-0·8	-0·9	-0·4	+1·6	+1·8	+4·7	+2·7	-0·2	-4·4	-9·6	-10·7	-7·9	-2·2	+0·8	+3·5	+3·9	+3·2	+5·0	+4·4	+2·8	+0·9	+1·0	+1·3
Year	-2·3	-4·0	-2·5	-0·7	+1·2	+2·1	+0·5	-4·0	-12·7	-21·4	-25·9	-25·6	-19·4	-9·2	+1·5	+9·1	+15·6	+23·0	+25·0	+22·3	+15·8	+8·9	+3·0	-0·6
Winter	-1·3	-3·4	-3·1	-1·4	-0·3	+2·9	+4·1	+2·9	-1·1	-5·7	-10·0	-12·1	-10·6	-5·1	-0·7	+4·1	+5·7	+7·7	+9·1	+9·0	+4·6	+2·7	+1·8	+0·5
Equinox	-5·3	-4·3	-1·4	+3·3	+6·2	+6·1	+5·4	+1·1	-9·5	-21·5	-28·7	-30·2	-24·2	-11·9	+0·5	+6·8	+15·7	+24·9	+25·4	+20·3	+15·3	+8·7	+1·4	-4·1
Summer	-0·3	-4·2	-2·9	-4·1	-2·3	-2·7	-7·9	-15·9	-27·3	-36·9	-39·1	-34·5	-23·3	-10·6	+4·8	+16·3	+25·4	+36·5	+40·5	+37·7	+27·5	+15·3	+6·1	+1·7

54 LERWICK — DECLINATION (ALL DAYS) — 1936																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	-3·35	-2·88	-2·47	-2·22	-2·05	-1·64	-0·73	-0·28	+0·17	+1·01	+1·71	+2·53	+3·13	+4·02	+3·74	+2·95	+2·50	+2·13	+0·53	+0·57	-1·53	-2·23	-2·59	-3·02
February	-3·29	-2·16	-3·58	-3·38	-3·04	-2·11	-1·49	-0·77	-0·13	+0·83	+1·85	+3·33	+4·79	+5·25	+5·04	+4·42	+2·43	+1·95	+1·87	+0·63	-1·39	-3·57	-3·65	-3·83
March	-3·31	-4·07	-3·53	-3·35	-3·16	-2·81	-2·29	-3·00	-3·59	-2·57	+0·04	+3·76	+6·58	+7·90	+7·68	+5·90	+3·57	+2·06	+1·07	+0·07	-0·06	-1·59	-2·57	-2·73
April	-1·36	-3·22	-4·20	-4·10	-3·35	-3·67	-3·85	-4·98	-4·39	-2·02	+0·38	+3·78	+6·96	+8·45	+7·72	+6·43	+5·09	+2·45	+1·59	+0·41	-1·26	-2·65	-1·70	-2·51
May	-0·74	-1·99	-2·26	-3·49	-4·33	-5·24	-6·00	-6·39	-5·49	-3·29	+0·23	+3·97	+6·67	+7·74	+6·56	+4·93	+3·62	+2·47	+1·54	+0·77	+0·75	+0·65	+0·06	-0·74
June	-1·44	-2·13	-2·95	-3·74	-5·03	-5·67	-6·33	-6·56	-5·68	-3·76	-0·85	+2·54	+5·36	+6·74	+6·69	+5·55	+4·72	+3·58	+3·17	+2·39	+1·88	+1·04	+0·70	-0·72
July	-1·33	-2·15	-2·03	-3·47	-4·35	-5·35	-6·26	-6·56	-5·61	-3·79	-1·18	+2·08	+5·37	+6·82	+6·84	+5·92	+4·83	+3·59	+2·63	+2·12	+1·57	+0·77	-0·99	-0·37
August	-1·13	-1·68	-2·13	-3·51	-4·17	-5·24	-5·72	-5·46	-4·58	-2·59	0·00	+3·20	+6·05	+7·09	+6·34	+4·52	+3·11	+2·10	+1·56	+1·63	+0·62	+0·26	0·00	-0·27
September	-1·45	-1·93	-2·15	-2·88	-3·06	-3·41	-4·20	-4·60	-4·73	-2·76	+0·52	+4·09	+6·34	+7·40	+6·16	+4·15	+2·35	+1·05	+0·84	+0·51	+0·50	+0·09	-1·28	-1·55
October	-2·58	-2·58	-2·59	-2·76	-1·87	-1·35	-1·63	-2·62	-3·21	-1·94	+1·08	+3·80	+5·37	+6·12	+5·54	+3·50	+2·63	+2·18	+1·97	+0·18	-0·96	-2·06	-2·88	-3·34
November	-2·67	-3·05	-1·93	-1·86	-1·45	-0·99	-0·90	-1·12	-1·26	-0·94	+0·76	+2·67	+3·80	+4·39	+4·31	+4·07	+2·92	+2·09	+1·71	+0·49	-1·10	-3·16	-3·53	-3·25
December	-2·17	-1·56	-1·33	-0·92	-0·60	-0·71	-0·75	-0·93	-1·33	-1·20	-0·20	+1·51	+2·74	+3·54	+3·27	+2·88	+2·01	+1·53	+1·19	+0·55	-1·09	-1·95	-2·27	-2·21
Year	-2·07	-2·45	-2·60	-2·97	-3·04	-3·18	-3·35	-3·61	-3·32	-1·92	+0·36	+3·11	+5·26	+6·29	+5·82	+4·60	+3·31	+2·27	+1·64	+0·86	-0·17	-1·16	-1·65	-2·05
Winter	-2·87	-2·41	-2·33	-2·09	-1·79	-1·36	-0·97	-0·77	-0·64	-0·07	+1·03	+2·51	+3·61	+4·30	+4·09	+3·58	+2·47	+1·93	+1·33	+0·56	-1·28	-2·73	-3·01	-3·08
Equinox	-2·17	-2·95	-3·12	-3·27	-2·86	-2·81	-2·99	-3·80	-3·98	-2·32	+0·51	+3·86	+6·31	+7·47	+6·77	+4·99	+3·41	+1·93	+1·37	+0·29	-0·45	-1·55	-2·11	-2·53
Summer	-1·16	-1·99	-2·34	-3·55	-4·47	-5·37	-6·08	-6·24	-5·34	-3·36	-0·45	+2·95	+5·86	+7·10	+6·61	+5·23	+4·07	+2·93	+2·23	+1·73	+1·21	+0·81	+0·17	-0·53

55 LERWICK — VERTICAL FORCE (ALL DAYS) — 1936																								
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-6·9	-8·9	-9·4	-8·3	-11·3	-10·7	-10·2	-8·3	-6·5	-4·9	-2·4	-0·5	+0·8	+2·8	+7·2	+9·8	+10·3	+11·7	+16·0	+13·2	+15·4	+8·6	-2·2	-5·3
February	-14·5	-23·8	-20·0	-15·8	-14·1	-11·3	-10·1	-8·9	-7·2	-6·9	-5·9	-2·9	-1·0	+1·9	+7·7	+17·1	+26·4	+26·8	+25·2	+21·0	+19·1	+4·5	-1·1	-6·2
March	-23·9	-25·3	-26·2	-22·8	-14·9	-8·2	-5·5	-2·0	+1·9	+2·9	+1·9	+1·8	+3·2	+6·7	+11·7	+17·1	+21·4	+22·6	+22·1	+18·4	+12·2	+3·1	-5·0	-13·2
April	-39·2	-37·1	-30·8	-22·1	-15·7	-11·1	-7·8	-3·3	+0·4	+1·5	+3·2	+4·8	+7·4	+14·5	+23·6	+28·1	+31·9	+41·1	+40·5	+29·0	+12·1	-9·2	-20·9	-40·9
May	-22·8	-26·4	-21·2	-15·4	-7·8	-3·3	-0·4	+2·7	+2·4	-0·1	-2·0	-4·3	-2·3	+6·5	+14·1	+20·5	+20·5	+20·0	+19·2	+15·3	+11·7	-0·5	-10·0	-16·4
June	-18·3	-16·9	-18·0	-20·0	-15·9	-8·7	-4·5	-1·8	-0·3	+1·5	+2·7	+0·4	+3·4	+5·8	+8·9	+14·3	+16·8	+18·3	+17·5	+15·4	+11·9	+8·5	-3·3	-17·7
July	-25·1	-29·2	-25·7	-20·9	-10·8	-7·7	-3·6	+0·3	+2·0	+1·5	+1·2	-0·6	+1·2	+8·7	+15·4	+22·7	+25·4	+22·9	+21·8	+13·7	+7·3	+1·2	-6·4	-15·3
August	-8·2	-11·1	-12·0	-8·4	-5·3	-2·5	-0·4	+0·6	+0·1	-1·5	-2·8	-5·1	-6·2	-2·4	+2·8	+7·8	+9·4	+9·9	+11·3	+11·1	+10·1	+4·5	+1·9	-3·6
September	-6·1	-7·7	-8·6	-8·1	-7·5	-5·8	-3·5	-0·4	+1·5	+1·3	+0·3	-2·2	-3·3	-1·9	+4·1	+9·5	+12·4	+12·6	+9·8	+6·4	+4·9	+0·5	-2·8	-5·4
October	-16·6	-19·0	-24·8	-23·8	-20·5	-14·2	-9·0	-3·4	+2·2	+4·1	+3·2	+4·8	+6·7	+8·8	+11·7	+18·3	+20·8	+23·2	+21·1	+16·6	+11·3	+2·3	-10·6	-13·2
November	-13·5	-19·3	-19·7	-20·3	-17·9	-15·5	-11·3	-5·3	-0·8	+2·3	+3·0	+4·1	+6·0	+8·5	+12·8	+15·7	+18·4	+18·3	+17·2	+18·4	+8·6	+1·1	-4·1	-6·7
December	-5·8	-8·2	-10·3	-10·3	-10·5	-11·0	-8·8	-5·1	-2·7	-0·5	-0·1	+0·3	+1·4	+3·4	+5·9	+7·1	+10·1	+8·9	+7·8	+9·3	+10·1	+7·1	+3·5	-1·6
Year	-16·7	-19·4	-18·9	-16·3	-12·7	-9·2	-6·3	-2·9	-0·6	+0·1	+0·2	+0·1	+1·4	+5·3	+10·5	+15·7	+18·7	+19·7	+19·1	+15·7	+11·2	+2·6	-5·1	-12·1
Winter	-10·2	-15·1	-14·9	-13·7	-13·5	-12·1	-10·1	-6·9	-4·3	-2·5	-1·3	+0·3	+1·8	+4·1	+8·4	+12·4	+16·3	+16·4	+16·5	+15·5	+13·3	+5·3	-1·0	-4·9
Equinox	-21·5	-22·5	-22·6	-19·2	-14·7	-9·8	-6·5	-2·3	+1·5	+2·5	+2·1	+2·3	+3·5	+7·0	+12·8	+18·3	+21·6	+24·9	+23·4	+17·6	+10·1	-0·8	-9·8	-18·2
Summer	-18·6	-20·9	-19·2	-16·2	-9·9	-5·5	-2·2	+0·5	+1·1	+0·3	-0·2	-2·4	-1·0	+4·7	+10·3	+16·3	+18·0	+17·8	+17·5	+13·9	+10·3	+3·4	-4·5	-13·3

Departures from the mean of the 24 hourly values
(uncorrected for non-cyclic change)

MONTH AND SEASON	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
56 LERWICK	HORIZONTAL FORCE (QUIET DAYS)																							1936
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-0·7	-0·2	+0·2	+0·5	+1·8	+2·6	+2·7	+2·4	0·0	-4·7	-6·2	-9·0	-9·5	-6·0	-2·8	-0·9	-0·2	+2·6	+5·3	+4·8	+5·4	+6·1	+3·6	+2·2
February	+0·2	+1·7	+0·8	+1·8	+2·4	+2·5	+3·4	+3·2	+1·4	-2·7	-7·6	-10·2	-9·8	-8·9	-5·6	-2·2	+0·6	+3·1	+4·6	+5·2	+4·2	+4·7	+4·2	+3·0
March	+5·6	+5·1	+5·2	+5·3	+5·3	+5·2	+4·3	+5·1	+1·0	-9·1	-18·6	-20·7	-20·4	-16·7	-13·2	-6·1	-2·1	+2·6	+8·5	+10·5	+11·0	+10·9	+10·8	+10·5
April	+8·9	+8·5	+7·1	+7·7	+7·9	+9·3	+10·5	+4·5	-6·5	-23·9	-34·1	-39·3	-35·5	-24·7	-14·5	-7·9	+1·9	+14·5	+20·9	+20·9	+19·3	+15·3	+14·1	+15·1
May	+10·3	+7·8	+7·7	+8·8	+9·1	+7·2	+0·5	-11·6	-26·3	-39·6	-42·5	-38·6	-29·1	-17·8	-7·5	+4·8	+13·7	+24·6	+27·1	+25·8	+21·7	+17·6	+14·3	+12·0
June	+8·4	+7·2	+4·1	+5·4	+6·0	+4·6	-0·2	-8·4	-19·9	-31·4	-37·6	-38·0	-31·2	-27·8	-17·9	-3·0	+11·6	+25·8	+36·4	+35·0	+28·5	+19·2	+12·0	+11·2
July	+4·3	+2·0	+4·1	+4·5	+4·3	+0·6	-4·9	-11·3	-21·1	-31·8	-38·1	-36·9	-31·7	-16·6	-8·5	+5·7	+21·7	+29·2	+32·5	+28·5	+25·5	+17·4	+11·3	+9·3
August	+8·2	+7·4	+6·8	+5·8	+6·0	+3·9	-1·4	-9·2	-20·4	-32·6	-38·0	-37·0	-29·4	-17·4	-3·0	+4·6	+12·0	+20·7	+25·4	+24·6	+19·4	+16·6	+14·8	+12·2
September	+10·4	+10·3	+9·2	+9·0	+8·4	+7·7	+4·4	-4·2	-16·8	-30·7	-38·4	-37·8	-29·8	-18·5	-6·6	+2·0	+7·2	+10·7	+15·2	+17·8	+18·6	+17·9	+17·2	+16·8
October	+6·7	+6·0	+6·7	+7·2	+8·0	+8·7	+7·8	+3·8	-5·3	-18·6	-27·3	-28·8	-25·5	-16·6	-7·7	-1·4	+0·8	+6·3	+10·8	+12·2	+11·9	+11·8	+11·7	+10·8
November	+2·8	+1·9	+1·9	+1·6	+3·3	+4·9	+4·8	+2·7	-2·3	-8·6	-11·5	-12·7	-12·4	-8·5	-5·9	-1·8	+0·9	+3·5	+5·8	+6·3	+6·7	+6·6	+6·1	+3·9
December	+1·0	+2·4	+0·8	0·0	-0·2	+3·3	+3·6	+2·2	-1·0	-7·2	-11·2	-11·6	-9·0	-5·4	-4·2	-0·4	+2·2	+4·5	+5·6	+5·2	+5·0	+4·4	+4·6	+5·4
Year	+5·5	+5·0	+4·5	+4·8	+5·2	+5·0	+3·0	-1·7	-9·8	-20·1	-25·9	-26·7	-22·8	-15·4	-8·1	-0·5	+5·9	+12·3	+16·5	+16·4	+14·8	+12·4	+10·4	+9·4
Winter	+0·9	+1·5	+0·9	+1·0	+1·8	+3·3	+3·6	+2·6	-0·5	-5·8	-9·1	-10·9	-10·2	-7·2	-4·6	-1·3	+0·9	+3·4	+5·3	+5·4	+5·3	+5·5	+4·6	+3·6
Equinox	+7·9	+7·5	+7·1	+7·3	+7·4	+7·7	+6·7	+2·3	-6·9	-20·6	-29·6	-31·7	-27·8	-19·1	-10·5	-3·3	+1·9	+8·5	+13·9	+15·3	+15·2	+14·0	+13·5	+13·3
Summer	+7·8	+6·1	+5·7	+6·1	+6·3	+4·1	-1·5	-10·1	-21·9	-33·9	-39·1	-37·6	-30·3	-19·9	-9·2	+3·0	+14·7	+25·1	+30·3	+28·5	+23·8	+17·7	+13·1	+11·2

57 LERWICK	DECLINATION (QUIET DAYS)																							1936
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	-1·70	-1·17	-0·99	-0·84	-0·85	-0·67	-0·66	-0·77	-0·79	-0·50	+0·17	+0·77	+1·66	+2·57	+2·31	+1·86	+1·81	+1·41	+0·92	+0·23	-0·89	-0·50	-1·29	-2·09
February	-2·05	-0·70	-1·35	-1·76	-2·07	-1·72	-1·35	-1·36	-0·85	-0·06	+0·63	+1·68	+2·49	+2·94	+2·67	+2·12	+1·77	+1·44	+0·75	+0·60	-0·25	-0·78	-1·23	-1·56
March	-1·28	-1·09	-1·18	-1·76	-1·72	-2·09	-1·98	-2·38	-3·36	-2·99	-1·30	+1·76	+3·96	+5·07	+4·70	+3·06	+1·76	+0·97	+0·60	+0·42	+0·20	-0·19	-0·54	-0·64
April	-0·04	-0·50	-0·85	-0·76	-1·60	-3·32	-4·52	-6·00	-6·05	-3·98	-1·12	+2·82	+6·04	+7·38	+6·31	+4·36	+1·78	+0·16	-0·32	-0·18	-0·23	+0·02	+0·30	+0·30
May	-0·67	-1·67	-1·75	-2·75	-3·81	-5·22	-6·11	-6·51	-5·81	-3·01	+0·95	+4·63	+7·01	+6·99	+5·37	+3·63	+2·13	+1·46	+1·17	+1·17	+1·15	+1·03	+0·77	-0·15
June	+0·50	-0·53	-1·68	-3·44	-4·24	-5·11	-6·44	-6·76	-6·58	-4·47	-1·70	+1·32	+4·24	+5·73	+5·96	+5·26	+4·14	+3·01	+2·54	+2·12	+1·92	+1·83	+1·56	+0·82
July	+0·18	-0·21	-1·03	-2·38	-3·81	-5·37	-6·16	-5·91	-5·13	-3·56	-1·21	+2·17	+5·54	+6·63	+5·89	+4·64	+3·01	+1·73	+1·24	+1·25	+0·57	+0·50	+0·69	+0·73
August	+0·12	-0·37	-1·37	-2·10	-3·19	-5·03	-6·28	-6·59	-6·13	-4·38	-1·73	+1·99	+5·38	+6·37	+5·57	+4·18	+3·07	+2·23	+1·60	+1·83	+1·87	+1·56	+0·99	+0·41
September	-1·47	-1·04	-1·50	-2·09	-2·74	-3·54	-4·37	-4·92	-4·58	-2·91	+0·10	+3·40	+5·73	+6·40	+5·04	+3·09	+1·62	+0·62	+0·65	+0·70	+0·80	+0·59	+0·28	+0·14
October	-1·30	-1·10	-1·25	-1·38	-1·52	-2·04	-2·68	-3·28	-3·69	-3·00	-0·24	+2·64	+4·28	+5·20	+4·41	+2·86	+1·78	+0·76	+0·82	+0·50	+0·15	-0·20	-0·66	-1·06
November	-1·00	-0·90	-1·17	-0·98	-1·16	-1·32	-1·54	-1·42	-1·57	-0·96	+0·48	+1·80	+2·80	+2·76	+2·71	+2·02	+1·30	+0·98	+0·30	-0·20	-0·47	-0·70	-0·82	-0·94
December	-1·29	-1·44	-1·43	-1·11	-0·79	-0·70	-1·03	-1·23	-1·63	-1·26	-0·15	+1·45	+2·53	+3·14	+2·93	+2·03	+1·33	+0·82	+0·51	+0·37	-0·07	-0·58	-0·99	-1·41
Year	-0·83	-0·89	-1·30	-1·78	-2·29	-3·01	-3·59	-3·93	-3·85	-2·59	-0·43	+2·20	+4·31	+5·10	+4·49	+3·28	+2·13	+1·30	+0·90	+0·73	+0·40	+0·21	-0·08	-0·45
Winter	-1·51	-1·05	-1·23	-1·17	-1·22	-1·10	-1·15	-1·19	-1·21	-0·69	+0·28	+1·43	+2·37	+2·85	+2·65	+2·01	+1·55	+1·16	+0·62	+0·25	-0·42	-0·64	-1·08	-1·50
Equinox	-1·02	-0·93	-1·19	-1·50	-1·89	-2·75	-3·39	-4·15	-4·42	-3·22	-0·64	+2·65	+5·00	+6·01	+5·11	+3·34	+1·73	+0·63	+0·44	+0·36	+0·23	+0·05	-0·15	-0·31
Summer	+0·03	-0·69	-1·46	-2·67	-3·76	-5·18	-6·25	-6·44	-5·91	-3·85	-0·92	+2·53	+5·54	+6·43	+5·70	+4·43	+3·09	+2·11	+1·64	+1·59	+1·38	+1·23	+1·00	+0·45

58 LERWICK	VERTICAL FORCE (QUIET DAYS)																							1936
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+0·7	0·0	-0·7	-1·6	-3·0	-2·9	-3·0	-2·4	-1·3	+0·6	+1·7	+3·0	+2·1	-0·4	-0·1	+0·8	+1·4	+0·3	-0·2	+0·8	+0·9	0·0	+1·5	+1·8
February	-3·8	-2·6	-0·3	+0·6	-1·2	-2·0	-2·8	-2·4	-2·3	-2·8	-2·4	-1·8	-1·8	-1·4	-1·1	+1·0	+2·6	+4·0	+4·0	+5·0	+4·9	+3·8	+2·0	+0·8
March	+0·6	+1·7	+1·4	+1·4	+1·6	+1·1	-0·8	-1·8	-2·0	-1·7	-3·6	-6·0	-6·0	-3·5	-0·4	+3·4	+4·4	+3·7	+2·4	+1·4	+1·2	+0·9	+0·2	+0·4
April	-0·9	-0·2	+0·9	+0·8	-0·4	+1·1	0·0	-1·2	-1·3	-0·8	-2·1	-4·8	-7·5	-6·6	-2·5	+2·2	+4·4	+4·3	+4·6	+5·2	+4·1	+2·2	-0·1	-1·4
May	-4·5	-3·6	+0·1	+2·5	+4·1	+5·2	+7·5	+8·1	+4·3	-1·6	-7·1	-10·3	-12·7	-10·0	-5·1	+0·9	+5·1	+4·6	+4·3	+3·5	+3·3	+1·8	+0·3	-0·7
June	+1·2	-1·0	+1·6	+3·4	+3·4	+2·9	+3·0	+1·4	-1·0	-3·6	-5·2	-7·6	-7·4	-5·8	-5·6	-4·6	0·0	+1·5	+2·8	+6·6	+7·2	+6·4	+2·0	-1·6
July	-1·4	-1·1	+0·3	+2·8	+4·1	+4·7	+4·0	+1·5	+1·1	-1·6	-3·3	-6·9	-11·2	-10·9	-7·3	-5·6	-0·9	+5·3	+7·6	+7·9	+7·5	+4·6	+1·5	-2·7
August	-3·6	-3·1	-1·4	+2·6	+4·6	+5·9	+5·2	+3·6	-0·4	-2·1	-4·6	-7·8	-8·6	-7·1	-2·8	+2·4	+5·0	+4·9	+5·0	+4·8	+2·2	-0·3	-1·6	-2·8
September	-2·2	-0·3	+1·2	+1·7	+1·7	+3·4	+4·9	+6·7	+6·0	+4·9	+1·0	-4·1	-7·6	-7·1	-4·4	-3·1	-0·9	0·0	-0·3	-0·1	+0·4	-0·3	-0·4	-1·1
October	-1·2	+0·1	+0·4	+0·2	-0·4	-0·9	-0·4	+0·2	+2·0	+2·5	-0·6	-1·6	-2·0	-1·7	-0·2	+3·0	+5·2	+3·3	+0·2	-1·4	-1·6	-1·7	-1·4	-2·0
November	-1·9	-1·8	-2·3	-3·2	-3·4	-2·9	-2·6	-1·2	+0·9	+1·2	+1·7	+1·6	+1·3	+0·8	+1·1	+2·8	+2·0	+1·1	+0·4	+0·6	+1·3	+1·0	+0·7	+0·8
December	+1·4	-0·1	-0·6	-2·3	-3·1	-5·0	-3·9	-2·5	+0·4	+2·7	+2·8	+1·7	+0·4	-0·5	+1·0	+1·3	+0·9	+0·2	-0·3	+0·5	+1·8	+2·1	+1·2	-0·1
Year	-1·3	-1·0	+0·1	+0·7	+0·7	+0·9	+0·9	+0·8	+0·5	-0·2	-1·8	-3·7	-5·1	-4·5	-2·3	+0·4	+2·4	+2·8	+2·5	+2·9	+2·8	+1·7	+0·5	-0·7
Winter	-0·9	-1·1	-1·0	-1·6	-2·7	-3·2	-3·1	-2·1	-0·6	+0·4	+0·9	+1·1	+0·5	-0·4	+0·2	+1·5	+1·7	+1·4	+1·0	+1·7	+2·2	+1·7	+1·3	+0·8
Equinox	-0·9	+0·3	+1·0	+1·0	+0·6	+1·2	+0·9	+1·0	+1·2	+1·2	-1·3	-4·1	-5·8	-4·7	-1·9	+1·4	+3·3	+2·8	+1·7	+1·3	+1·0	+0·3	-0·4	-1·0
Summer	-2·1	-2·2	+0·1	+2·8	+4·1	+4·7	+4·9	+3·7	+1·0	-2·2	-5·1	-8·1	-10·0	-8·5	-5·2	-1·7	+2·3	+4·1	+4·9	+5·7	+5·1	+3·1	+0·5	-1·9

Departures from mean of the 24 hourly values
(uncorrected for non-cyclic change)

MONTH AND SEASON	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
59 LERWICK — HORIZONTAL FORCE (DISTURBED DAYS) — 1936																								
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-5·1	-11·4	-6·4	-11·7	-12·4	-1·4	-0·1	+0·4	-4·0	-6·3	-10·4	-10·6	-15·3	-9·6	-4·2	-1·9	+1·4	+3·2	+18·3	+55·0	+29·8	+10·3	+5·8	-13·4
February	-10·5	-13·6	-4·5	-2·1	-8·1	-0·4	-1·1	-2·7	-7·7	-9·6	-8·3	-20·1	-11·5	+3·0	+4·9	+19·3	+20·7	+30·2	+29·1	+8·5	+6·1	-2·8	-10·5	-8·3
March	-4·9	-9·6	-42·5	-14·6	+7·5	+2·8	-2·1	+5·0	-2·1	-18·0	-26·5	-24·8	-7·1	+10·4	+19·1	+22·6	+31·5	+35·2	+42·9	+31·8	+6·7	+2·4	-23·3	-42·4
April	-187·4	-92·8	-32·5	-36·4	-3·2	-2·0	-4·2	-5·8	-18·3	-19·0	-14·0	-3·4	+18·0	+47·2	+103·7	+72·2	+100·0	+131·4	+111·0	+78·0	+44·1	-23·4	-81·6	-181·6
May	-3·6	-22·3	-8·5	-7·0	-7·7	-9·9	-11·6	-27·3	-40·1	-37·0	-39·7	-21·9	-8·4	+8·3	+23·1	+32·4	+41·5	+51·1	+52·2	+57·5	+36·9	-12·6	-25·5	-19·9
June	+22·2	+31·4	-13·6	-91·2	-94·2	-59·9	-78·6	-76·0	-82·0	-65·0	-28·6	-14·0	+32·0	+45·4	+45·0	+55·6	+54·8	+68·7	+81·6	+72·6	+53·8	+30·2	+13·2	-3·4
July	-40·2	-47·0	-14·8	-1·8	+0·2	-12·7	-12·4	-19·4	-38·4	-54·8	-46·6	-32·6	-10·8	+27·6	+96·2	+136·0	+78·6	+70·7	+62·2	+32·2	-3·2	-33·4	-65·0	-70·6
August	+2·4	-10·5	-12·8	-15·5	+3·8	+2·7	-9·0	-13·3	-26·4	-31·3	-33·0	-27·5	-17·4	-11·9	+2·6	+5·7	+17·4	+44·1	+39·0	+43·1	+28·0	+9·5	+7·0	+3·3
September	+13·5	+11·4	+7·7	+11·8	+12·8	+8·1	+0·8	-3·8	-14·5	-26·8	-40·7	-43·6	-35·9	-15·2	-0·3	+14·4	+27·0	+20·5	+12·6	+9·8	+6·7	+6·2	+9·3	+8·2
October	-34·3	-56·9	-46·3	-3·5	-4·1	+4·0	+7·9	+6·9	-2·9	-19·5	-21·9	-18·9	-1·7	+16·7	+7·9	+15·1	+33·9	+90·8	+68·7	+8·3	+15·9	-3·7	-43·9	-18·5
November	+9·6	-8·7	+4·4	+3·1	-32·7	-0·2	+0·7	-1·7	-6·6	-10·9	-13·0	-13·9	-11·4	-5·5	+8·8	+18·7	+25·1	+32·8	+19·1	+15·5	-15·2	-11·9	-1·4	-4·7
December	-12·2	-6·9	-5·8	-8·5	-3·6	-14·7	-1·2	-2·1	+0·6	+1·9	-6·6	-4·5	+5·4	+19·7	+22·6	+19·3	+14·6	+2·9	+1·4	+0·3	+1·8	-4·5	-6·4	-13·5
Year	-20·9	-19·7	-14·6	-14·8	-11·8	-7·0	-9·2	-11·7	-20·2	-24·7	-24·1	-19·7	-5·3	+11·3	+27·5	+34·1	+37·2	+48·5	+44·8	+34·4	+17·6	-2·8	-18·5	-30·4
Winter	-4·5	-10·1	-3·1	-4·8	-14·2	-4·2	-0·4	-1·5	-4·4	-6·2	-9·6	-12·3	-8·2	+1·9	+8·0	+13·9	+15·5	+17·3	+17·0	+19·8	+5·6	-2·2	-3·1	-10·0
Equinox	-53·3	-37·0	-28·4	-10·7	+3·3	+3·2	+0·6	+0·6	-9·5	-20·8	-25·8	-22·7	-6·7	+14·8	+32·6	+31·1	+48·1	+69·5	+58·8	+32·0	+18·3	-4·6	-34·9	-58·6
Summer	-4·8	-12·1	-12·4	-28·9	-24·5	-19·9	-27·9	-34·0	-46·5	-47·0	-37·0	-24·0	-1·1	+17·3	+41·7	+57·4	+48·1	+58·7	+58·7	+51·3	+28·9	-1·6	-17·6	-22·7
60 LERWICK — DECLINATION (DISTURBED DAYS) — 1936																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	-6·34	-6·58	-4·14	-3·34	-2·46	-3·93	-2·42	+0·02	+0·24	+1·22	+2·08	+4·50	+4·08	+5·86	+6·28	+4·88	+3·20	+3·35	+1·32	+5·20	+1·00	-4·66	-4·28	-5·06
February	-4·67	-2·51	-6·32	-7·13	-5·45	-2·21	-1·23	+0·75	+1·70	+2·93	+3·13	+4·03	+6·69	+8·95	+8·78	+6·31	+3·51	+4·47	+1·93	+0·45	-2·12	-9·37	-7·55	-5·07
March	-5·22	-7·00	-8·84	-7·46	-6·80	-4·16	-0·20	-0·52	-2·34	-0·42	+1·78	+5·78	+9·12	+11·02	+10·92	+8·92	+6·48	+4·48	+0·84	-1·32	+1·70	-2·44	-4·02	-10·30
April	-1·02	-10·32	-12·58	-11·88	-5·00	-4·09	-2·90	-4·20	-1·34	+1·18	+3·04	+6·10	+9·02	+10·76	+9·58	+9·46	+9·76	+5·23	+4·28	+0·28	-0·36	-3·66	-1·98	-9·36
May	-1·70	-4·02	-2·45	-4·44	-5·18	-5·40	-5·54	-6·70	-4·89	-3·82	-0·52	+4·24	+7·44	+9·50	+9·45	+6·48	+4·90	+3·88	+2·72	-2·82	+0·23	+0·50	+0·64	-2·50
June	-4·50	-5·05	-5·34	-3·65	-5·53	-5·54	-3·79	-6·71	-3·94	-3·49	-0·44	+3·45	+5·78	+7·71	+7·44	+6·31	+5·85	+5·36	+5·15	+2·49	+1·08	-0·85	-0·30	-1·49
July	-4·90	-7·91	-6·12	-6·15	-5·21	-6·32	-6·05	-8·41	-6·66	-3·37	-1·26	+0·67	+4·80	+6·97	+9·70	+9·17	+10·61	+8·06	+6·33	+5·61	+3·28	+0·57	-1·10	-2·31
August	-2·26	-4·44	-5·17	-5·74	-5·64	-6·86	-6·38	-5·94	-5·23	-1·66	+1·50	+4·60	+7·94	+9·46	+8·67	+6·86	+5·50	+4·32	+2·54	+2·44	-2·97	-1·06	-0·02	-0·46
September	-3·82	-5·53	-4·40	-3·43	-3·34	-3·41	-4·54	-3·69	-4·98	-2·91	+0·60	+4·93	+7·76	+11·31	+9·36	+6·35	+4·66	+2·77	+1·28	-0·55	-0·70	-0·99	-3·88	-2·85
October	-8·00	-7·59	-6·94	-5·75	-1·36	+1·01	+1·92	+0·19	-1·94	-0·59	+4·08	+5·47	+7·00	+8·79	+7·50	+5·59	+3·64	+2·47	+4·04	+1·73	-3·44	-4·23	-6·26	-7·33
November	-5·62	-5·41	-3·62	-2·71	-0·78	+1·71	+1·50	+0·27	+0·46	+0·19	+1·18	+3·61	+5·42	+7·55	+7·08	+7·97	+6·22	+3·05	+1·22	-1·05	-4·64	-9·81	-6·68	-7·11
December	-4·90	-3·20	-3·42	-1·40	+1·18	+0·85	+0·64	+0·56	-0·80	-1·72	-1·10	+1·30	+3·24	+4·66	+3·94	+4·30	+1·82	+1·59	+0·96	+1·28	-0·58	-3·72	-3·52	-1·96
Year	-4·41	-5·80	-5·78	-5·26	-3·80	-3·20	-2·42	-2·87	-2·48	-1·04	+1·17	+4·06	+6·52	+8·55	+8·23	+6·88	+5·51	+4·09	+2·72	+1·15	-0·63	-3·31	-3·25	-4·65
Winter	-5·38	-4·43	-4·37	-3·65	-1·88	-0·89	-0·38	+0·40	+0·40	+0·65	+1·32	+3·36	+4·85	+6·75	+6·52	+5·87	+3·69	+3·11	+1·36	+1·47	-1·59	-6·89	-5·51	-4·80
Equinox	-4·51	-7·61	-8·19	-7·13	-4·13	-2·66	-1·43	-2·05	-2·65	-0·69	+2·37	+5·57	+8·23	+10·47	+9·34	+7·58	+6·13	+3·74	+2·61	+0·03	-0·70	-2·83	-4·03	-7·46
Summer	-3·34	-5·35	-4·77	-4·99	-5·39	-6·03	-5·44	-6·94	-5·18	-3·09	-0·18	+3·24	+6·49	+8·41	+8·81	+7·21	+6·71	+5·41	+4·19	+1·93	+0·41	-0·21	-0·19	-1·69
61 LERWICK — VERTICAL FORCE (DISTURBED DAYS) — 1936																								
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-0·4	-13·2	-11·7	-7·0	-24·8	-26·2	-22·2	-21·6	-20·7	-16·4	-9·8	-5·0	+1·6	+9·6	+16·3	+23·0	+24·0	+24·0	+45·4	+30·0	+31·9	+7·0	-20·6	-13·2
February	-18·9	-47·1	-33·8	-33·1	-38·1	-33·3	-23·7	-19·7	-14·4	-14·9	-11·3	-0·7	+5·3	+10·3	+30·4	+55·3	+59·5	+59·5	+49·7	+18·3	+26·2	-12·7	-8·1	-4·7
March	-47·8	-37·9	-63·2	-64·0	-52·2	-31·1	-21·2	-13·0	+4·4	+10·9	+14·2	+19·8	+24·0	+36·5	+47·8	+50·6	+53·8	+64·5	+63·2	+38·4	+24·2	-5·1	-43·4	-73·4
April	-111·6	-119·2	-114·1	-98·2	-73·4	-36·4	-13·6	+7·8	+20·3	+25·8	+30·4	+39·4	+59·8	+87·0	+109·1	+100·2	+90·8	+105·8	+90·0	+52·4	+11·1	-33·2	-81·2	-149·0
May	-30·1	-33·8	-27·3	-21·0	-13·6	-11·7	-5·4	+0·8	+0·3	-1·4	+2·9	+5·4	+16·5	+36·6	+45·5	+51·2	+41·0	+33·3	+26·4	+11·2	+4·3	-30·2	-47·7	-53·2
June	-21·2	-5·8	-19·1	-53·0	-73·0	-50·6	-39·8	-30·6	-21·1	-3·0	+13·0	+15·4	+28·0	+34·8	+40·1	+45·4	+45·4	+38·2	+31·0	+22·6	+13·9	+10·2	-2·4	-18·4
July	-78·1	-80·6	-65·9	-35·6	-11·0	-9·1	-13·0	-10·4	-6·7	-7·6	-7·9	-0·4	+18·7	+55·4	+72·9	+103·6	+101·4	+71·3	+56·6	+16·2	-10·3	-26·4	-50·3	-82·8
August	-26·4	-32·9	-35·6	-30·5	-29·5	-16·4	-8·9	-4·5	-1·0	-1·1	-2·0	-1·3	+0·8	+7·7	+17·4	+22·1	+17·7	+16·8	+28·9	+25·3	+24·6	+10·9	+10·8	+7·1
September	-20·1	-24·0	-21·0	-22·9	-26·4	-26·2	-23·7	-18·4	-10·4	-9·1	-2·8	-0·2	+3·3	+8·8	+25·6	+38·3	+41·3	+41·8	+32·1	+18·4	+12·6	+3·9	-6·4	-15·0
October	-59·5	-54·0	-84·5	-85·7	-73·7	-49·6	-32·1	-14·1	-1·9	+7·0	+10·1	+19·9	+24·5	+35·6	+40·3	+49·5	+63·3	+91·2	+80·5	+52·5	+33·1	+8·8	-21·7	-39·5
November	-25·1	-59·6	-36·3	-41·1	-61·3	-62·6	-39·3	-19·9	-9·3	-2·2	+0·5	+6·3	+15·1	+25·2	+41·7	+51·7	+61·3	+61·6	+54·9	+52·3	+6·3	-1·6	-10·1	-8·5
December	-18·3	-25·0	-39·7	-36·7	-40·3	-42·2	-30·7	-14·1	-8·5	-0·8	+0·5	+4·7	+13·1	+21·8	+25·1	+22·5	+35·7	+29·2	+22·1	+22·9	+25·3	+19·4	+13·9	+0·1
Year	-38·1	-44·4	-46·0	-44·1	-43·1	-32·9	-22·8	-13·1	-5·7	-1·1	+3·1	+8·6	+17·6	+30·8	+42·7	+51·1	+53·0	+53·1	+48·4	+30·0	+16·9	-4·1	-22·3	-37·5
Winter	-15·7	-36·2	-30·4	-29·5	-41·1	-41·1	-29·0	-18·8	-13·2	-8·6	-5·0	+1·3	+8·8	+16·7	+28·4	+38·1	+45·1	+43·6	+43·0	+30·9	+22·4	+3·0	-6·2	-6·6
Equinox	-59·7	-58·8	-70·7	-67·7	-56·4	-35·8	-22·7	-9·4	+3·1	+8·7	+13·0	+19·7	+27·9	+42·0	+55·7	+59·7	+62·4	+75·8	+66·5	+40·4	+20·3	-6·4	-38·2	-69·2
Summer	-38·9	-38·3	-37·0	-35·0	-31·8	-21·9	-16·8	-11·2	-7·1	-3·3	+1·5	+4·8	+16·0	+33·6	+44·0	+55·6	+51·4	+39·9	+35·7	+18·8	+8·1	-8·9	-22·4	-36·8

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1936

NOTE.- The ranges are derived from the diurnal inequalities printed in Tables 53 to 61.

62 LERWICK 1936

	All Days			Quiet Days			Disturbed Days		
	H	D	V	H	D	V	H	D	V
	γ	′	γ	γ	′	γ	γ	′	γ
January	22·7	7·37	27·3	15·6	4·66	6·0	70·3	12·86	71·6
February	24·1	9·08	50·6	15·4	5·01	8·8	50·3	18·32	106·6
March	45·3	11·97	48·8	31·7	8·43	10·4	85·3	21·32	137·9
April	82·0	13·43	82·0	60·2	13·43	12·7	318·8	23·34	258·1
May	84·9	14·13	46·9	69·6	13·52	20·8	97·6	16·20	104·4
June	86·6	13·30	38·3	74·4	12·72	14·8	175·8	14·42	118·4
July	83·6	13·40	54·6	70·6	12·79	19·1	206·6	19·02	186·4
August	65·3	12·81	23·3	63·4	12·96	14·5	77·1	16·32	64·5
September	54·5	12·13	21·2	57·0	11·32	14·3	70·6	16·84	68·2
October	47·5	9·46	48·0	41·0	8·39	7·2	147·7	16·79	176·9
November	29·0	7·92	38·7	19·4	4·37	6·2	65·5	17·78	124·2
December	15·7	5·81	21·1	17·2	4·77	7·8	37·3	9·56	77·9
Year	50·9	9·90	39·1	43·2	9·03	8·0	73·2	14·35	99·1
Winter	21·2	7·38	31·6	16·4	4·36	5·4	34·0	13·64	86·2
Equinox	55·6	11·45	47·5	47·0	10·43	9·1	128·1	18·66	146·5
Summer	79·6	13·34	38·9	69·4	12·87	15·7	105·7	15·75	94·5

AVERAGE Ddeparture

Arithmetical averages of diurnal inequalities in Tables 53-61 taken regardless of sign

63 LERWICK 1936

	All Days			Quiet Days			Disturbed Days		
	H	D	V	H	D	V	H	D	V
	γ	′	γ	γ	′	γ	γ	′	γ
January	4·1	2·08	8·0	3·3	1·14	1·3	10·3	3·60	17·7
February	4·8	2·70	12·5	3·9	1·42	2·4	10·1	4·47	26·2
March	9·7	3·22	12·3	8·9	1·87	2·1	18·2	5·09	37·7
April	19·0	3·61	19·8	15·5	2·46	2·5	58·8	5·72	69·2
May	17·9	3·33	11·1	17·7	3·12	4·6	25·3	4·17	22·9
June	21·5	3·74	10·5	17·9	3·41	3·6	50·5	4·22	28·2
July	19·1	3·55	12·1	16·7	2·90	4·4	42·0	5·48	41·3
August	14·6	3·04	5·8	15·7	3·10	3·9	17·4	4·49	15·8
September	14·8	2·83	5·3	15·2	2·53	2·7	15·1	4·09	18·9
October	10·2	2·70	12·9	10·9	1·95	1·4	23·0	4·45	43·0
November	7·1	2·27	11·2	5·3	1·26	1·6	11·5	3·95	31·4
December	3·1	1·60	6·2	4·2	1·26	1·5	7·5	2·19	21·4
Year	10·7	2·79	10·0	10·9	2·09	1·7	21·3	4·07	29·6
Winter	4·6	2·12	9·2	4·1	1·26	1·4	8·2	3·31	23·4
Equinox	11·8	3·08	12·3	12·5	2·13	1·7	26·1	4·67	41·3
Summer	17·7	3·41	9·5	17·0	3·09	3·9	30·2	4·40	25·8

NON-CYCLIC CHANGE

64 LERWICK 1936

	All Days			Quiet Days			Disturbed Days		
	H	D	V	H	D	V	H	D	V
	γ	′	γ	γ	′	γ	γ	′	γ
January	-0·2	-0·11	-0·4	+0·7	-0·48	+0·8	-2·7	-0·78	-7·5
February	+0·2	-0·06	0·0	+3·5	+1·09	+1·9	-4·3	-0·50	+0·2
March	+0·6	+0·12	+0·4	+5·2	+0·70	-0·8	-34·3	-4·91	-52·0
April	-0·7	-0·12	-1·9	+6·1	+0·15	-0·3	+9·2	+1·47	-1·7
May	+0·5	+0·08	+2·1	+0·3	-0·18	+3·6	-13·6	+0·57	-21·7
June	+0·1	-0·10	-0·3	+1·2	-0·03	-3·0	-8·5	+2·99	+13·4
July	-0·3	-0·06	-0·3	+3·9	+0·33	-2·0	-35·0	+0·16	-28·0
August	-0·1	0·00	+0·8	+3·0	-0·01	-0·2	+0·3	-0·25	+22·2
September	-0·4	-0·10	-0·9	+7·7	+1·38	-1·5	-6·5	+1·06	+4·2
October	-0·6	+0·04	+1·3	+2·2	-0·02	+1·3	-5·1	+2·00	+10·1
November	+0·2	-0·10	-0·2	-0·3	-0·31	0·0	-16·3	-1·16	+9·3
December	+0·3	0·00	+0·3	+4·7	+0·30	-4·2	-9·2	+0·38	+5·3
Year 1936	0·0	-0·03	+0·1	+3·2	+0·24	-0·4	-10·5	+0·09	-3·9
Winter	+0·1	-0·07	-0·1	+2·1	+0·15	-0·4	-8·1	-0·51	+1·8
Equinox	-0·3	-0·01	-0·3	+5·3	+0·55	-0·3	-9·2	-0·09	-9·9
Summer	+0·1	-0·02	+0·6	+2·1	+0·03	-0·4	-14·2	+0·87	-3·5

MEAN VALUES OF $HR_H + VR_V$ * (Unit $10{,}000\gamma^2$)

65 LERWICK 1936

HR_H	VR_V	Sum	Mean Character Figure
100	340	440	0·71
114	481	595	0·72
151	472	622	0·71
340	785	1124	0·97
197	469	666	0·68
240	518	757	0·67
236	527	763	0·97
125	235	360	0·68
111	218	328	0·57
177	483	660	0·65
142	483	625	0·73
71	223	293	0·48
167	436	603	0·71
107	382	488	0·66
195	489	683	0·73
199	437	637	0·75

*See page 40

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

66 LERWICK For all (a), quiet (q) and disturbed (d) days for H, D and V and for all days for N, W, I and T 1936

	Horizontal Force a q d 14,000γ+			Declination (West) a q d 12° +			Vertical Force a q d 46,000γ+			North Component All days	West Component All days	Inclination (North) All days	Total Force All days
	γ	γ	γ	′	′	′	γ	γ	γ	γ	γ	° ′	γ
January	437	442	434	62·9	63·3	63·2	785	784	789	14064	3260	72 51·1	48961
February	432	435	431	62·1	62·3	61·9	782	778	787	14060	3255	72 51·3	48957
March	431	438	417	61·0	62·0	60·4	776	774	771	14060	3250	72 51·3	48951
April	427	434	393	60·0	60·2	58·9	785	791	760	14057	3245	72 51·7	48958
May	434	435	427	59·5	59·7	60·0	787	789	780	14065	3245	72 51·3	48963
June	434	438	418	58·1	57·6	59·8	788	792	783	14066	3239	72 51·3	48964
July	437	437	442	57·5	57·5	57·9	796	798	799	14069	3237	72 51·3	48972
August	436	434	434	56·3	56·1	56·2	798	801	793	14069	3232	72 51·4	48974
September	427	426	426	55·6	55·5	56·1	799	798	807	14062	3227	72 52·0	48972
October	419	423	406	54·6	54·8	55·1	798	799	796	14054	3221	72 52·5	48969
November	416	425	407	53·3	53·5	53·7	798	797	794	14053	3215	72 52·7	48968
December	422	425	421	52·7	52·5	53·2	799	797	799	14059	3214	72 52·4	48971
Year	429	433	421	57·8	57·9	58·1	791	792	788	14061	3237	72 51·7	48965

67 LERWICK 1936

Night commencing			Month
			JANUARY
3	b	..	Fine, moonlight.
4	c	..	Overcast after 20h.
10	cb	..	Variable cloud, bright moonlight.
11	cb	..	ditto
13		(Ш)	Weak glow between clouds.
15		(Ш)	Weak glow about 21h. Almost continuously overcast.
16	ca	..	Variable cloud.
17	a	..	Fine.
18		(Ш)	Glow 18h onwards.
19	a	..	Fine.
22		(Ш)	Glow 20h 30m onward.
23	a	(Ш)	Feeble glow.
24		(Ш)	Glow seen through breaks in cloud.
28	cb	..	Very cloudy.
30	cb	..	" "
31	cb	..	" "
			FEBRUARY
1	cb	..	Moonlight.
2	cb	..	" almost continuously overcast.
3	cb	..	Moonlight Variable cloud.
4	b	..	" Mainly fine.
5	b	..	" Some cloud.
10		(Ш)	Arch about 10° elevation, moderately bright 19h 30m to 20h 10m; glow later. Fine.
11	ca	..	Very cloudy, but clear intervals between 19h and 20h.
12	ca	..	Variable cloud at first, overcast after 20h.
13	c	..	Very cloudy; overcast after 19h.
16		(Ш)	Glow 19h 15m. Arch NNW-NE 19h 40m till 20h 50m, then faded. Glow at 21h. Some cloud.
23	ca	..	Overcast till 19h, then variable.
24	a-c	..	Fine at first, becoming overcast after 21h.
26		(Ш)	Weak glow in N all evening. Some cloud. Moonlight.
27	cb	..	Very cloudy, moonlight.
28	c	..	" " "
			MARCH
1	c	..	Very cloudy, overcast after 20h.
2	c	..	ditto
3	b	..	Fine, moonlight.
4	c	..	Very cloudy.
5	c	..	" "
6	c	..	" " overcast after 20h.
9	a-b	..	Cloudy, fine intervals.
10	c	..	Very cloudy.
14	b	..	Overcast till 19h, then clearing; hazy.
17	c	..	Very cloudy.
18		(Ш)	Faint glow to N through clouds 20h 30m till 21h 30m; type uncertain.
21		(Ш)	Arch with feeble rays, 20h 15m till 21h, becoming faint at 21h 15m. Fine.
22	c	..	Cloudy.
23	a	(Ш)	Faint glow all evening after dusk. Fine.
26	b	(Ш)	Glow all evening after dusk. Fine, moonlight.
27	b	(Ш)	Glow from 21h, fine, moonlight.

Night commencing			Month
			APRIL
1	b	..	Fine, moonlight.
3		(Ш)	Weak patches of auroral light 20h 30m; arch 21h-22h. Fine, moonlight.
5	cb	..	Very cloudy, moonlight.
6	cb	..	ditto
8	c	..	Cloudy.
9	c	..	Very cloudy.
10	a	..	Fine.
11	c	..	Cloudy.
12		(Ш)	Glow through breaks in cloud from dusk onward.
14	c	..	Very cloudy.
15	c	..	Variable cloud.
16		(Ш)	Faint glow after dusk.
17	c	..	Variable cloud.
18		(Ш)	Faint glow through breaks in cloud after dusk.
19		(Ш)	ditto
20		(Ш)	ditto
21	c	(Ш)	Cloud variable. No aurora seen at Observatory, but brilliant display reported seen after midnight (morning of 22nd).
22		(Ш)	Glow after dusk.
23	c	..	Very cloudy.
25	c	..	Some cloud.
26		(Ш)	Faint glow through breaks in cloud after dusk.
			SEPTEMBER
1	cb	..	Cloudy, moonlight.
2	cb	..	ditto
6	c	..	Very cloudy.
7		(Ш)	Weak glow in N 21h 30m. Cloudy.
8	a	..	Fine.
9	c	..	Cloudy.
13	c	..	Overcast till 21h, then very cloudy.
14	c	..	ditto
15		(Ш)	Weak glow after dusk. Fine at first, but thick fog after 21h.
18	a	..	Overcast at 19h, fine after 21h.
19	c	..	Very cloudy.
22	a	(Ш)	Faint glow 20h onward. Fine.
23	c	..	Very cloudy, overcast after 20h.
25	cb	..	Cloudy, moonlight.
26	cb	..	ditto
27	b	..	Some cloud, moonlight.
28	c	..	Very cloudy, moonlight.
29	c	..	ditto
30	c	..	ditto
			OCTOBER
1	c	..	Very cloudy.
2	c	..	" "
3	c	..	" " overcast after 21h.
4	b	..	Fine, bright moonlight.
5		(Ш)	Glow all evening. Fine, bright moonlight after 20h.
6		(Ш)	Arch, low elevation, all evening; no activity. Fine.
7		(Ш)	Glow seen through cloud, NW.
11	ca	..	Cloudy at first, then clearing.
12	c-a	..	Cloud variable, clear intervals.
13	c	..	Very cloudy.
15		(Ш)	Glow through breaks in cloud, 21h 15m onward. Few faint rays in W, 21h 45m, gone by 21h 55m.

Night commencing			Month
			OCTOBER (Contd.)
16		(Ш)	Glow, 19h 15m onward.
17	c	..	Overcast after 19h.
18	a	(Ш)	Faint glow 21h 15m onward. Mainly fine.
19		(Ш)	Glow all evening, varying in intensity. Mainly fine.
22	c-a	..	Cloud very variable.
23		(Ш)	Weak glow 19h 10m, becoming low arch with irregular distribution of brightness; vanished 19h 50m. Glow reappeared 20h 30m, no activity.
24	c	..	Overcast at first, then cloudy.
25	b-c	..	Cloud variable at first, overcast after 20h. Moonlight.
26	cb	..	Cloudy at first, overcast after 20h.
27	cb	..	Cloud very variable; moonlight.
28	c	..	Very cloudy.
29	c	..	" "
30	b	..	Fine, bright moonlight.
31	b-cb	..	Fine at first, becoming cloudy after 19h, moonlight.
			NOVEMBER
1	c-b	..	Overcast till 19h, then very cloudy; clearing after 21h, Bright moonlight.
3		(Ш)	Glow 18h 15m, with few rays in N. Very cloudy after 20h.
4	a-c	..	Some cloud at first, increasing after 21h.
5	c-a	..	Cloudy till 19h, fine after 20h.
6	c-a	(Ш)	Glow of varying intensity through clouds. N-NNE, 21h 20m onward. Overcast at times, but clear intervals after 21h.
7		(Ш)	Glow at intervals, 20h onward. Moderate cloud.
9	c	..	Very cloudy; overcast after 20h.
10		(Ш)	Glow through cloud 17h-21h; slight activity 21h 30m; bright arch 21h 50m, few feeble rays NNE; fading to glow 22h 5m. Fine after 21h.
11		(Ш)	17h 20m; bright ray reaching high altitude, with activity N-NNW for few minutes only; then glow, varying in intensity, seen through cloud. 21h 30m till 22h, faint rayed bands NNW and faint arch.
12	a-c	..	Variable cloud, increasing after 21h.
14	c	..	Very cloudy, overcast at times.
15	c-a	(Ш)	Glow, 20h onward. Cloudy till 19h, fine after 20h.
16	a	(Ш)	Weak glow all evening. Mainly fine.
17	a	(Ш)	Glow all evening. Cloud variable, fine periods.
18	a-c	(Ш)	Few rays with glow, 20h 50m onward
19	a-c	..	Cloud very variable, fine periods.
24	cb	..	Very cloudy, moonlight.
25	c	..	Very cloudy.
26	c-b	..	Cloudy at first, fine after 20h; moonlight.

Night commencing			Month
			NOVEMBER (Contd.)
27	b	..	Mainly fine; moonlight.
28	c	..	Very cloudy till 19h then overcast.
30	c	..	Cloud variable, overcast at times, moonlight.
			DECEMBER
1	c	..	Cloud variable, overcast at times; moonlight.
2	b-c	..	Some cloud at first, increasing after 19h.
4	cb	..	Largely overcast, but clear intervals between 19h and 20h and between 21h and 22h. Moonlight.
5	c	..	Same as 4.
6	b	(Ш)	Weak glow 20h 10m, fading soon after. Cloudy.
8	a-c	..	Fine at first, overcast after 21h.
10	a-c	..	ditto
12		(Ш)	Glow most of evening, variable intensity.
13	a-c	..	Fine at first, overcast after 19h.
14	a-c	..	Variable cloud.
15	a-c	..	Fine at first, becoming overcast after 21h.
16	c	..	Cloudy.
18	ca	..	Variable cloud, overcast at times.
20	c	..	ditto
21	c	..	Very cloudy "
22	c-b	..	Variable cloud, bright moonlight.
23	cb	..	Variable cloud.
24	c-cb	..	Very cloudy at first, clearing after 21h; moonlight.
25	b-c	..	Moderate cloud at first, overcast after 20h.
26	cb	..	Very cloudy, moonlight.
27	cb	..	do.
28	c	..	do.
29	b-c	..	Cloud variable, moonlight.
31	cb	..	Cloudy, moonlight.

In the interests of brevity there have been omitted from the table above all dates on which the sky throughout the evening remained completely overcast and on which, therefore, no opportunity arose of determining whether or not aurora occurred. The nights on which aurora was actually seen are indicated by the symbol (Ш). The nights on which aurora was not seen despite at least an occasional interval of more or less clear sky, are indicated by the symbol ..; in the latter case also, remarks on the weather are added to assist the reader in judging how far the fact of no observation of aurora may be taken as indicating that there was not actual aurora. The letters a, b, c, have the following significance.

a = Conditions favourable for seeing aurora.
b = Unfavourable for faint aurora (moonlight, mist, cist, etc.) but not such as to mask bright aurora.
c = Cloudy, but aurora not seen in clear intervals.
ca,cb= have been used for "cloudy, with conditions a or b in the intervals."
Changing conditions have been indicated by a hyphen, e.g., a-c.
A full description is available of the auroral phenomena observed.

68 OTHER SCOTTISH STATIONS 1936

Night commencing	Month
	JANUARY
18	Tiree; Ailsa Craig, 22·30-24·00.
21	Kirkwall.
22	Kirkwall.
23	Kirkwall.
24	B.; Pentland Skerries 19·15; D. brilliant display; Hoy High 19·00-23·30; Hoy Low, vivid display 19·00-24·00; Start Point, brilliant display, 20·00-24·00; Noup Head 19·00 to 04·30 on 25th; Whalsay, 21·00-23·00; Holburn Head, brilliant display, 21·00-24·00; Wick.
25	Cape Wrath, 20·00 to 03·00 on 26th.
26	G.C.
27	Aberlour.
	FEBRUARY
10	G.C.
12	Edinburgh.
15	G.C.
19	Fortrose; Aberlour; G.C., very bright.
20	Kirkwall, bright; Tiree.
26	Kirkwall; G.C.
29	G.C.
	MARCH
6	G.C.
10	G.C.
18	B.
21	B.; Kirkwall, faint; D.; Duncansby Head, 01·00-04·00; Start Point, brilliant display all night; North Uust, 19·00 to 04·00 on 22nd; Duntuilm (Skye), 22·00; G.C., bright; Edinburgh.
~~24~~ ~~25~~	Cape Wrath, 02·00-03·00.
26	B.
27	B.; G.C.
	APRIL
1	G.C.
6	G.C.
8	D., 21·00.
10	B.
12	Kirkwall, 21·00, fairly bright; Duntuilm; G.C.; Rhuvaal lighthouse, 23·30, NW to NNE.
13	G.C.
15	G.C.; Duntuilm.
17	Holburn Head, 23·00-24·00; Fortrose, 23·00; A., moderate 22·30 to 00·30 on 18th; G.C.; Duntuilm; Lismore, 23·00-24·00; Rhuvaal, 24·00, from NW to N; Bell Rock, 23·00.
18	G.C.; Duntuilm; Lismore, 22·00-24·00; Edinburgh, bright arch and streamers.
19	Tiumpanhead, 23·15 to 02·00 on 20th, fine display; A., moderate; 22·00-24·00; Lismore, 23·00-24·00; Rhuvaal, 23·00, WNW to NE.
20	Tiumpanhead, 22·45 to 01·00 on 21st; G.C; A., faint; 21·00-22·00; Ardnamurchan, 22·00-24·00, bright display; Rhuvaal, 20·45, NW to NE.
21	Kirkwall, 23·00, very bright; Start Point, about 24·00; Wick, 22·00; Fortrose, 22·00; A., moderate; 21·00-23·00; Ardnamurchan, 22·00 to 01·00 on 22nd, bright display; Duntuilm.
22	G.C.; A., 21·00-23·00; Tiumpanhead, 00·45-01·30.
23	Wick, 23·15.
25	G.C.
29	G.C.
30	Edinburgh, bright arch, about 5° alt., 21·00-22·00, then cloudy.
	MAY
12	LERWICK†
	Nil.
	JUNE
	Nil.
	JULY
	Nil.
	AUGUST
	Nil.
	SEPTEMBER
7	Edinburgh.
13	D., 20·00
22	Duntuilm, 22·00.
26	Whalsay, 21·00-23·00
23	LERWICK†
	OCTOBER
5	Kirkwall; Duntuilm.
7	Kirkwall; Duntuilm.
9	Duntuilm.
15	G.C.
16	B.
23	G.C.
24	G.C.; Duntuilm.
26	G.C.
	NOVEMBER
2	G.C.
3	Tiumpanhead, 19·45-21·00; Edinburgh, 19·00-20·00.
5	Duntuilm.
7	B.
9	Wick; Duntuilm.
10	D., 20·00; Wick; G.C.; Duntuilm; A., faint 21-22h.
11	B.; G.C., very bright; A.; Tiumpanhead, 20·30-21·30.
12	Duntuilm.
17	B.
18	B.; Wick.
	DECEMBER
5	Duntuilm.
6	G.C.; Duntuilm.
12	B.; Kirkwall, dim.
20	B.
31	G.C.

Note.- For brevity, stations which figure frequently in the above Table are represented by their initials, viz, D- Deerness, B- Baltasound, A- Aberdeen, G.C.- Gordon Castle.

† THESE TWO DISPLAYS WERE NOT SEEN FROM THE OBSERVATORY.

M.O. 400.
(Aberdeen)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia, and Kew, and the results of soundings of the upper atmosphere by means of registering balloons.

ABERDEEN

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1938

Latitude	57° 10′ N.
Longitude	2° 6′ W.
G.M.T. of Local Mean Noon	12h. 8m.

Heights in metres above Sea-Level

Barometer	26·0
Rain-gauge	24·1
Robinson Cup Anemograph	36
Dines Pressure Tube Anemometer	37

Heights in metres above ground

Thermometer Bulbs, North Wall Screen	12·5
Sunshine Recorder	20·7
Robinson Cup Anemograph	23
Dines Pressure Tube Anemometer	13
Beckley Rain-gauge Rim	0·6

INTRODUCTION

SITE

The Observatory, which was established in 1868 is housed in the top floor of the Cromwell Tower of King's College in Old Aberdeen. The College lies on a plain gradually rising from the sea from which it is distant about 1 mile (1·6 km.) There are no serious irregularities of surface in the vicinity excepting the two river valleys of the Don and the Dee. To the north at a distance of about 1 km. the Don flows eastwards to the sea; the Dee flows into the sea at a distance of about 3 km. to the south-east of the College. Between the College and the sea is a golf course covered for the most part with grass, but during the last five years the town has been gradually expanding to the north-eastward of the Observatory; this growth was very rapid during 1933 and 1934 with the result that there now exists an inhabited area stretching almost half a mile (1 km.) between the Observatory and the sea in the north-east quadrant. Westwards is the High Street of the Old Town and beyond this is another street. Further west grass pasture extends for about 1 km. To the southward and south-westward lies the main area of the City of Aberdeen.

Because of the aforementioned developments and of their possible further extension under new town-planning schemes, it became necessary in 1933 to seek another site for the Dines Pressure Tube Anemometer situated at Ladymill, east of the Observatory. This instrument was therefore dismantled, and a new pressure tube instrument, with one-inch pipes, was erected at a new site on the Glebe situated to the north-west of the Observatory, and at a distance of about 350 metres therefrom. To this site were also removed the Stevenson screen, rain-gauges, etc. from the Athletic Ground site north-east of the Observatory, because the surroundings of this latter site were likewise becoming unsatisfactory. All the outdoor instruments are therefore now grouped together. The change of site was made on 31st March 1933.

New plans and photographs appear in the volume for 1935. The changes that have occurred in the site and in the disposition of the instruments since 1928 can be ascertained by comparing these with the corresponding details in the 1928 volume.

Change of value adopted for height of Station above Mean Sea Level.- The numerous changes of late years call for some remarks upon the adopted values for the heights of station and instruments above M.S.L. Prior to 1st January, 1925, the value for the station level was 14·0m., and that for the height of the barometer cistern was 26·8 m. As from 1st January 1925, however, following a careful redetermination of these heights the values were altered to 13·4 m. for the Station level and 26·0 m. for the height of the barometer cistern. The change of site of the rain-gauge enclosure in June 1928 altered the value for the station level to 11·4 m. at which figure it remained until 31st March 1933, when the removal of instruments to the Glebe site again altered it to 24·1 m. as from 1st April 1933. The actual heights of the barometer cistern, of the north-wall screen thermometer bulbs, and of the Robinson Cup Anemograph and the Campbell-Stokes Sunshine recorder have remained unaltered throughout.

METEOROLOGY

The elements dealt with in the following tables are:- Atmospheric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, earth temperature and minimum temperature on the grass, together with a diary of cloud and weather.

The instruments from which values of the above elements have been obtained and the methods of tabulating the records are described in the General Introduction to this volume. The following additional information refers especially to Aberdeen.

Pressure and Temperature.- The photo-barograph, standard Fortin Barometer and thermograph are housed in the Observatory room. The pressure scale value of the photo-barogram is 1 mb. = 1·18 mm. on the paper, when the paper is at normal atmospheric humidity. In similar circumstances the time scale is 1 hour = 9·3 mm. The records of the photo-barograph are standardized by means of control readings taken from the standard barometer. Up to the end of 1928 this instrument was Fortin Standard Barometer M.O.273, but from the 1st January, 1929, it was replaced by Fortin Standard Barometer M.O.1149. The N.P.L. certificate of this latter barometer shows a standard temperature varying from 286° A at 1,050 mb. to 287° A at 910 mb; corresponding corrections have been applied to the control readings.

The recording thermometers are placed in the North-wall screen already referred to. The scale value of the wet bulb thermograph record is 1° absolute = 3·20 millimetres on the paper; for the dry bulb thermograph the scale value varies slightly with the temperature, but is approximately 1° absolute = 3·4 millimetres. The time scale is 1 hour = 9·23 millimetres. Reading of the photo-thermograms is done by means of glass measuring scales, the records being standardized by control readings from Standard Thermometers M. O. 1698 (dry bulb) and M.O. 1697 (wet bulb). These thermometers have corrections, varying at different parts of the scale, of between -0·1° A and +0·2° A; these corrections have been applied to the control readings. The heights of the barometer cisterns and of the bulbs of the thermometers are given at the top of the appropriate tables.

It may be here emphasized that the bulbs of the thermometers in the North-wall screen are at the considerable height of 12·5 metres above the ground, and that readings from these thermometers are exclusively used for this publication (except as noted below under Humidity) and for the corresponding summaries printed in the Monthly Weather Report.*

Rainfall.- The recording instrument in use is Beckley Rain-gauge No. 2 with an area of 101·1 square inches (653 cm.^{2}). The procedure adopted in tabulating the records is similar to that described in the General Introduction and calls for no comment. Control was by check gauge M.O.266 during the year 1936.

Humidity.- On those occasions when the temperature of the wet bulb has been 273°A or under, the relative humidity has been obtained from the records of a hair hygrograph. The instrument is accommodated in the North-Wall Screen beside the bulbs of the photo-thermograph and the standard thermometers. Prior to 16th September 1934 this had not been the case. Until 31st March 1933 the hair hygrograph was placed in the Stevenson screen at the Athletic Ground site, where its height was 13·2 m. below that of the thermometer bulbs in the North-wall screen, and from 1st April 1933 to 15th September 1934 the hygrograph was accommodated in the Stevenson screen at the Glebe site, and was at a height 0·5 m. below the level of the thermometer bulbs in the North-wall screen.

Sunshine.- The sunshine recorder (Campbell-Stokes type) is exposed on the small circular tower on the Observatory roof on which the Robinson Cup Anemograph is erected. It is rigidly held by lead flaps soldered to the lead roof. The actual diameter of the sunshine sphere is 4·02 inches, and the focal length 2·97 inches, these figures being slightly in excess of the standard values (diameter 4·00 ± ·01 inches, focal length 2·95 ± ·01 inches). The exposure is excellent; the only obstruction is a flagpole to the east, of angular diameter about 1°, which may obstruct 0·1 hr. record about 7h. between April and September. This loss has been allowed for, whenever practicable, in tabulating records. In computing the percentage duration of sunshine the actual possible values for each day of the year 1936 have been employed, a procedure similar to that adopted from 1926 onwards.

Wind Speed and Direction.- It was decided that as from 1st January 1935, the values for all the tables dealing with wind speed and direction should be tabulated from the records of the Dines Pressure Tube Anemometer which is installed on the Glebe site, instead of, as formerly, from the records of the Cup Anemometer situated on the Observatory Tower. No adjustments have been made to the values recorded by the Pressure Tube Anemometer to allow for the effect of the unsatisfactory exposure of the instrument to winds coming from directions between 35° and 115°. In this sector the "effective height" of the anemometer vane above ground is only 8 feet as compared with the standard "effective height" of 33 feet.

In consequence of this new procedure the values of wind speed shown in the Tables for 1935 and 1936 are not directly comparable with those shown in previous volumes of the Year Book and derived in the manner described on p.90 of the volume for 1934.

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*The temperatures for Aberdeen published in the "Daily Weather Report" and summaries from them given in the "Weekly Weather Report" are from different thermometers, viz., those in the Stevenson Screen, with their bulbs only 1·3 metres above the ground

On the very few occasions when records from the Dines Pressure Tube Anemometer have been defective, the required values have been taken directly from the records of the Cup Anemometer without any adjustment for exposure.

Earth Temperature.- Readings have been made at 9h. G.M.T. of earth temperature at nominal depths of one foot and four feet below the surface of the grass.

The thermometers and the method of exposure are of the standard type described in the "Meteorological Observer's Handbook". The depths of the thermometer bulbs below the grass-covered surface of the ground are 30 and 122 cm.

The data published in the "Observatories Year Book" 1922-1930 were the readings of an instrument with its bulb at a depth of 124 cm. This instrument, a description of which is given in the Year Book for 1930, p.86, was of unorthodox type, and was situated in the College Gardens until the end of June 1928. It was then removed to the anemometer enclosure, Ladymill. From 1st January, 1930, the published data refer to new instruments of standard type which were in the anemometer enclosure at Ladymill until 8th June, 1932. They were then removed to the Athletic Ground site, where they were installed near the screen and rain-gauges. The results of a comparison between the new and old instruments at a nominal depth of 122 cm. at the Ladymill site will be found in the Year Book for 1931, pp. 86-87.

For the period 18th June, 1932, to 25th March, 1933, comparative readings are available from the new 122 cm. thermometer at the Athletic ground and the old instrument at Ladymill. The results indicate that at 122 cm. depth the Athletic Ground is about 1·5°A to 2°A warmer than Ladymill during June, July and August, and about 1°A colder in November, December, January and February. Similar comparative observations are not available for the College Gardens site, but some idea of the differences between that site and Ladymill can be obtained by comparing the readings at Ladymill during the four years, June 1928 to May 1932, with those obtained for many years prior to June 1928, at the College Gardens. These indicate that Ladymill is warmer than the College Gardens from September to April and colder from May to August, the maximum differences being approximately +2°A and -1°A. The continuity of the earth temperature readings has thus been seriously affected by the changes of site. The thermometers were transferred at the end of March 1933 to the Glebe site, thus introducing another discontinuity the effect of which cannot yet be estimated.

Minimum Temperature on the Grass.- The grass minimum thermometer is exposed in the enclosure on two wire pegs about 4 cm. above the grass. It is set at 18h and read at 7h, the reading being entered to the day of observation. The instrument in use is the Glycol-ether Minimum thermometer M.O. 60385/35 which has a correction of -0·2°F at 12°F, -0·1°F at 32°F, and 0·0°F. at 52°F.

Cloud.- From the 1st January, 1931, the recording of cloud-forms at Aberdeen has been in conformity with the definitions laid down in "Instructions for Meteorological Telegraphy" M.O. 191/1 (1930.)

Visibility.- In the subjoined table there is given a list of the objects

used for the determination of the degree of visibility, together with their distances and bearings from the observation-point, which may be taken as the roof of the Observatory tower, the N.E. corner thereof being used for the nearer objects.

The range of visibility from the Observatory is somewhat limited by the high ground surrounding the city. From S.E. through S. to N. the distance of the visible horizon is between 2 and 4 miles (4 to 7km.), but in the N.W. a higher hill, at a distance of 5 miles (8·5 km.), rises above the nearer ridges. To the N.N.E. however there is a clear view of the coastline as far as Cruden Scaurs, where the coast consists of cliffs over 100 feet high, and is nearly 19 miles (30 km.) distant. From N.N.E. to S.E. there is only the sea-line as horizon, which from the height of the Observatory tower is about 10 miles (16 km.) distant.

Definite objects exist at standard distances from A to H, but from I to M there are no definite objects, though there are adequate identification marks for K and L. Owing, however, to these marks being on the sea-coast, and to the generally clearer visibility to the seaward side of the Observatory, it has been deemed advisable to employ small letter entries for all visibility distances that are not definitely landward estimates. The distances I and J are based upon estimates between other available distances. The 21h observations of weather and visibility are made as a rule not actually at the Observatory, but in the neighbourhood within a radius of one or two miles. Apart from that it has to be remarked that, during darkness when the usual fixed objects cannot be seen, the estimates depend upon personal judgment, and upon the degree of obscuration, and alteration in the colour, of the surrounding lights of the town.

VISIBILITY OBJECTS AT ABERDEEN

OBJECT	DESCRIPTION	DISTANCE	BEARING
A	Steam pipe on Boiler house	26 yards	N.E.
B	Top of finial at East end of University Library	55 "	E.S.E.
C	Tree near Gate in North Wall of Athletic Ground	110 "	E.N.E.
D	East wall of Athletic Ground and trees along it	218 "	E.
E	Ventilator tops on Sunnybank School	550 "	S.W.
F	Gasometer	1,100 "	S.E.
G	(i) Turret of Salvation Army Citadel ..	1⅝ miles	S.S.E.
	(ii) Coastguard watch-tower	1⅔ "	N.E.
H	(i) Girdleness Lighthouse top	2 "	S.E.
	(ii) Springhill House	2½ "	W.
I (i)	No object. Estimate between Strabathie Hill (3½ miles) and Brimmond Hill (5¼ miles).	(3½ ")	N.N.E.
		(5¼ ")	N.W.
J (j)	No object. Estimate between Brimmond Hill (5¼ miles) and Sea horizon (10 miles).	(5¼ ")	N.W.
		(10 ")	E.
K (k)	Sand-patch, mouth of Ythan River	12½ "	N.N.E.
L (l)	Cruden Scaurs	18⅝ "	N.N.E.
M (m)	Cannot see so far. Used when "L" object shows clear detail and colour-differences.		

IDENTIFICATION NUMBERS OF INSTRUMENTS USED IN 1936

The following were the instruments actually in use during the year 1936:-

Standard Fortin Barometer	M.O. 1149
" Dry Bulb Thermometer ..	M.O. 1698
" Wet " " ..	M.O. 1697
Recording Beckley Rain-gauge ..	2
Jardi Rate of Rainfall Recorder ..	M.O. 4
Hellman Fuess Snow-gauge	100532
Control Rain-gauge	M.O. 266
Glass for "	M.O. 1744/34 and 1739/34
Hair Hygrograph	M.O. 51/33
Campbell-Stokes Sunshine Recorder ..	M.O. 32
Robinson Cup Anemograph	M.O. 50
Dines Pressure Tube Anemometer ..	M.O. 1040
Earth Thermometers	M.O. 6, M.O.11
Grass Minimum Thermometer	M.O. 60385/35

REVIEW OF METEOROLOGICAL RESULTS

Pressure:- The mean pressure for the year 1936 was 1·2 mb. below its normal value. A conspicuous departure from the normal was shown in the month of January whose mean value of 995·4 mb. was about 16 mb. below the normal. July had a deficit of 8 mb., but in the remaining months the departures from normal did not exceed 5 mb. The greatest monthly range was 70 mb. in December, and the least was 25 mb. in May. The absolute extremes of pressure at Mean Sea Level were 1034·5 mb. on September 16th and 958·6 mb. on January 10th, a total annual range of 75·9 mb. The highest daily mean pressure at Station Level was 1030·4 mb. on September 16th and the lowest 967·6 on December 14th.

The results of the harmonic analysis of the diurnal inequalities of pressure for the months, seasons and year are set out in the accompanying Table. The unit employed is ·01 mb. The phase-angles are reduced, as previously, to Local Mean Time. The average values of the various Coefficients for the period 1871-1926, computed by Dr. A. Crichton Mitchell* are given for comparison. Dr. Mitchell gave the phase angles in Local Apparent Time and they were so quoted in all volumes prior to 1935; the angles published since 1935 are those computed by Dr. Mitchell, but converted to Local Mean Time; the amplitudes have been rounded off to ·01 mb.

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* Diurnal Variation of Pressure and Temperature at Aberdeen, 1871-1926, by A. Crichton Mitchell D.Sc., Q.J.R. Met. Soc. 1929, p.197

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF ATMOSPHERIC PRESSURE
ABERDEEN, LONGITUDE 2° 6′W.

Values of c_n, α_n, in the series $\Sigma c_n \sin(15\,nt^\circ + \alpha_n)$, t being Local Mean Time reckoned in hours from midnight

Month and Season	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
January	·41	·09	262	169	·17	·23	133	146	·14	·13	354	348	·07	·05	178	211
February	·02	·16	245	173	·25	·27	133	143	·09	·10	356	346	·02	·03	72	84
March	·17	·16	163	156	·34	·29	138	147	·05	·05	1	330	·03	·03	31	27
April	·04	·15	225	155	·21	·28	155	151	·03	·02	257	188	·03	·04	314	359
May	·12	·10	128	136	·27	·24	144	145	·03	·06	166	166	·02	·02	313	333
June	·18	·06	56	104	·24	·22	132	141	·06	·07	150	155	·01	·01	25	331
July	·27	·09	153	135	·21	·21	140	142	·04	·07	159	155	·01	·01	271	339
August	·12	·11	72	161	·21	·23	144	144	·03	·04	186	165	·02	·03	325	333
September	·32	·12	200	147	·25	·29	148	151	·02	·03	244	346	·03	·05	352	345
October	·54	·15	250	187	·31	·27	154	156	·09	·07	359	0	·04	·03	353	34
November	.13	·13	303	201	·21	·23	168	159	·12	·10	11	4	·00	·01	-	186
December	·73	·16	241	169	·34	·21	156	147	·12	·12	0	357	·07	·05	221	205
Arithmetic Mean	·25				·25				·07				·03			
Year	·15	·12	227	162	·25	·25	145	148	·04	·03	1	359	·01	·01	301	338
Winter	·31	·13	253	178	·23	·23	149	149	·12	·11	0	353	·03	·03	195	194
Equinox	·23	·14	221	162	·27	·28	148	151	·03	·03	341	345	·03	·04	351	6
Summer	·13	·09	110	139	·24	·22	140	143	·04	·06	162	159	·02	·02	317	334

NOTE.-"Winter" comprises the four months January, February, November, December, "Equinox" the months, March, April, September, October; and "Summer" May to August

The analysis shows great differences in the amplitudes of the 24-hour term, the values ranging from ·02 mb. in February to ·73 mb. in December, and considerable departure of the phase angles from normal.

The 12-hour term shows a close approach to normal in its phase-angles, and the seasonal variation in amplitude is well marked, though the autumnal maximum occurs a month later than usual.

The amplitudes of the 8-hour and 6-hour terms also follow their usual course, as likewise do their phase-angles, though the seasonal reversal of the 8-hour term is less sharply marked than usual, and the 6-hour term is somewhat irregular in summer.

Temperature:- The mean temperature for the year 1936 was 281·2°A, a value only slightly in excess of the normal, though within the period from May to October every month had a slight excess of temperature. The greatest departures from normal were -1·4°A in February and +1·3°A in August. The highest temperature during the year occurred on July 4th and 5th; on both these days it reached 296·0°A; while the lowest temperature of 263·6°A occured on January 20th. The month of June showed a temperature-range of 20·9°A, and January one of 18·8°A; while the smallest range, 12·6°A was recorded in May.

Relative Humidity:- The mean relative humidity for the year was above the normal by 0·6 per cent. Except in the case of November the individual months

showed considerable departures from their normal values. April, the driest month, with a relative humidity value of 71·6 per cent was 6·7 per cent below normal, while September, with 87·6 per cent was 7·1 per cent above its normal value.

The dampest day was March 29th with a mean relative humidity value of 99·0 per cent and the driest was June 6th with a mean value of 58·1 per cent.

Rainfall.- The rainfall during the year 1936 fell short of the normal value by 141 mm. The total mount recorded was 607 mm. The incidence of this rainfall was rather unusual; two months, January and July having the large excesses of 58 mm. and 48 mm. respectively. September had a small excess of 10 mm., but all the remaining months had values below the normal; in five cases the deficits exceeded 30 mm., that of 46 mm. in October being the largest. The very wet months of January and July both had mean pressures well below the normal. The driest month was April with only 18 mm., while the wettest month was July with 119 mm.

Sunshine.- For the year there was an excess over normal of about 3 per cent of the possible duration of sunshine. Large excesses were shown by June, - whose value of 52 per cent of the possible duration was 18 per cent above normal - and also by April and August, both of which months showed excesses of 8 per cent. March, with only 17 per cent of the possible,- a deficit of 13 per cent,- was the dullest month, while September had a deficit of 8 per cent.

Throughout the year there were 21 days whose percentage of possible sunshine was 80 or more, the highest value of 90 per cent being recorded on 10th and 11th of May. The day with the longest duration of sunshine was June 21st, whose record of 15·7 hours was 88 per cent of the possible. In all there were nine days with records of 14 hours or over.

Wind Speed.- The mean wind-speed for the year was 3·3 m/s. The individual monthly values ranged from 2·1 m/s in June to 4·8 m/s in December. The hour with the highest monthly mean wind-speed was 1-2 h. in December, the value being 5·6 m/s.

Only one day of gale was recorded, - October 27th. On this day the highest gust of the year - 34 m/s - occurred.

Minimum Temperature on the Grass.- There were 90 occasions of ground frost (temperature lower than 272·2°A) during the year. They occurred most frequently in January, in which month 20 were recorded. Ground frosts occurred in all months except May, July, August and September. The lowest value recorded was 262·3°A on January 20th and February 5th.

Temperature in the Ground.- The annual mean temperature in the ground at a depth of 1 foot (30 cm.) was 281·2°A, and that at 4 feet (122 cm.) was 281·3°A. At the depth of 1 foot the lowest monthly mean value was 274·6°A. in February and the highest 288·0°A in July. The absolute extremes at this depth were 274·0°A on various dates in January and February and 289·0°A in July. At a depth of 4 feet the corresponding monthly values were 275·8°A in February and 286·3°A in September, with extremes of 275·5°A in February and 286·6°A in August and September.

Cloud and Weather.- The mean cloud amount for the year was 6·7; March and July, both with a mean cloud amount of 7·9 were the most cloudy months, while June, with a mean cloud amount of 5·7 was the least cloudy.

Aurora.- Aurora was recorded on seven occasions during the year, five of these occasions occurring during the earlier half of the year and two during the later half. Dates of occurrence will be found in the General Auroral Table.

General Remarks.- 1936 was a brighter and drier year than normal; January and July were outstandingly rainy: the period from April to June was unusually sunny, and the summer as a whole was slightly warmer than normal.

69 ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres

JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	981·2	981·5	982·2	982·4	983·3	983·8	984·4	985·0	985·2	986·1	986·6	986·4	986·1	986·1	986·2	985·9	985·6	985·3	984·9	984·5	984·2	983·9	983·6	983·3	984·4
2	982·9	982·9	982·8	982·7	982·6	982·9	983·4	983·7	984·2	984·5	984·6	984·6	984·7	984·7	985·1	985·3	985·7	986·0	986·3	986·5	986·6	986·9	987·2	987·3	984·7
3	987·5	987·7	988·0	988·2	988·2	988·4	988·6	989·0	989·7	989·8	990·1	990·3	990·5	990·5	991·0	991·9	993·0	993·4	994·2	995·2	995·6	996·2	996·8	997·3	999·1
4	997·7	998·1	998·5	998·7	999·0	999·6	000·0	000·7	001·6	002·3	002·9	003·4	003·8	004·1	004·5	005·2	005·8	006·1	006·9	008·9	007·2	007·3	007·3	007·5	002·9
5	007·4	007·3	006·8	006·3	005·9	005·2	004·6	003·9	003·4	002·4	001·6	000·7	999·6	998·5	997·3	996·0	994·9	994·3	994·1	993·6	993·3	992·7	992·1	991·5	000·1
6	990·7	989·9	989·1	988·3	987·6	987·3	987·2	987·3	987·7	988·2	988·3	988·2	988·3	988·2	988·3	988·5	988·6	988·7	988·6	988·5	988·3	988·5	988·6	988·9	988·5
7	988·9	989·0	989·0	988·8	988·7	988·7	988·9	989·3	990·0	990·5	990·7	990·6	990·8	991·0	991·2	991·8	992·2	992·4	992·6	993·0	993·3	993·2	993·4	993·5	990·8
8	993·6	993·6	993·8	993·9	993·8	993·6	993·3	993·1	993·2	992·8	992·5	991·6	990·7	989·8	989·0	988·3	987·8	987·3	986·8	986·1	985·3	984·9	984·8	984·7	990·4
9	984·6	985·2	985·6	985·9	986·1	986·5	986·6	986·7	986·8	986·8	986·3	985·7	984·3	983·1	981·8	979·6	977·5	974·2	970·1	965·1	961·2	958·4	956·5	955·9	979·0
10	955·9	956·3	956·6	958·7	961·2	963·6	966·2	968·9	970·3	971·5	972·6	973·3	973·9	974·9	976·4	978·5	980·1	981·6	983·0	984·3	986·0	987·2	988·4	989·4	972·6
11	990·1	991·1	992·1	993·1	994·2	995·5	997·0	998·3	000·5	002·2	003·4	003·8	004·4	004·9	005·9	007·0	008·2	009·3	009·7	010·7	011·8	012·4	013·0	013·4	002·5
12	013·5	014·0	013·9	013·7	014·4	014·6	015·1	015·7	015·9	016·0	015·8	015·5	015·1	014·9	014·3	013·7	012·9	012·2	011·3	010·1	009·0	008·8	008·7	008·3	013·3
13	009·1	009·9	010·6	010·8	011·1	011·5	012·1	012·5	013·0	013·6	013·4	013·3	012·8	013·1	013·6	014·5	014·5	015·1	015·4	015·9	016·5	017·2	017·4	017·9	013·3
14	018·3	018·5	019·1	019·9	020·0	020·4	020·4	020·6	021·4	021·8	022·4	022·8	023·1	023·2	023·3	023·3	023·6	023·5	023·6	023·6	023·4	023·4	023·3	022·8	021·8
15	022·4	021·9	021·4	020·5	020·0	019·3	018·8	018·3	018·1	017·8	017·6	016·9	016·1	015·3	014·6	013·7	013·1	012·4	011·6	010·9	010·2	009·3	008·6	007·8	016·0
16	007·1	006·2	005·7	005·1	004·5	004·0	003·5	003·5	003·4	003·2	003·0	002·7	002·7	002·2	002·0	002·0	002·0	002·0	001·8	001·5	001·4	000·8	000·6	000·2	003·1
17	999·5	998·7	998·2	997·6	996·9	996·6	995·9	995·5	995·2	994·4	993·3	992·0	990·6	989·1	988·0	986·5	985·3	983·7	983·0	982·7	982·9	983·9	985·0	986·2	991·2
18	986·5	986·7	986·8	986·7	986·3	986·3	986·0	986·0	985·8	985·9	986·3	986·9	987·1	987·2	987·4	987·4	987·4	987·4	987·3	987·7	988·1	987·9	988·3	988·4	986·9
19	988·6	989·0	989·1	988·9	989·3	989·3	989·5	989·8	990·7	990·8	991·1	991·3	991·3	991·1	991·1	991·3	991·4	991·5	991·7	991·9	991·9	991·8	991·8	991·7	990·6
20	991·6	991·0	990·6	990·0	989·2	988·1	986·9	986·4	985·4	984·6	983·3	982·4	981·3	979·4	978·2	977·4	975·9	974·3	973·3	972·2	971·8	971·1	970·5	970·6	981·5
21	970·6	970·5	970·4	970·1	970·3	970·3	970·9	971·7	972·9	974·5	975·4	975·8	976·4	977·2	978·0	979·1	979·5	980·6	981·6	982·3	982·5	983·2	984·0	984·6	976·1
22	984·8	985·0	985·0	985·0	984·7	984·6	984·6	985·0	985·4	985·6	985·6	985·5	985·3	985·0	985·0	985·0	984·8	985·0	984·9	984·9	985·0	984·8	984·5	984·4	985·0
23	984·4	984·4	984·7	985·3	985·6	986·2	986·8	987·9	988·9	990·3	991·3	992·0	992·7	993·1	993·7	994·6	995·6	996·0	996·4	997·4	997·7	998·2	998·5	998·9	991·4
24	998·9	999·0	998·9	998·9	998·7	998·6	998·6	998·7	998·8	998·8	998·9	998·8	998·6	998·1	997·9	998·0	997·9	997·8	997·9	998·0	998·0	998·2	998·0	997·8	998·4
25	997·6	997·2	997·2	996·8	996·3	995·9	995·7	995·7	995·9	996·1	995·6	995·1	994·8	994·2	993·9	993·3	993·3	992·8	992·7	992·4	991·9	991·4	991·0	989·9	994·3
26	989·2	988·6	988·0	987·1	986·3	985·6	985·3	985·2	985·1	984·9	984·6	984·6	984·3	984·0	983·9	984·2	984·5	984·7	984·7	985·1	985·6	985·9	985·7	985·7	985·6
27	985·4	985·4	985·5	985·4	984·8	984·2	983·5	983·5	983·1	982·7	982·4	982·1	981·5	980·8	980·9	981·5	981·7	982·1	982·1	982·7	982·7	982·9	982·6	982·3	983·1
28	982·1	981·9	981·8	981·8	982·0	982·1	982·1	982·5	982·8	983·3	983·5	983·4	983·2	983·4	983·6	984·3	984·6	984·8	985·1	985·0	985·0	984·8	985·0	985·2	983·4
29	985·3	985·1	985·1	985·3	985·4	985·6	986·0	986·3	986·9	987·5	987·6	987·8	987·4	987·2	987·5	987·7	987·4	987·3	986·9	986·7	986·4	986·2	986·0	985·7	986·5
30	985·5	985·3	985·2	985·2	985·0	985·0	984·9	985·0	985·0	985·1	985·4	985·6	985·2	985·1	985·5	985·6	985·9	986·1	986·1	986·4	986·6	986·7	986·8	986·9	985·6
31	986·4	986·4	986·2	986·0	985·7	985·4	985·0	985·2	985·1	984·8	984·5	984·3	984·2	983·7	983·9	983·7	983·8	983·9	984·3	984·2	984·5	984·3	984·1	984·1	984·8
Mean (Station Level)	991 ·85	991 ·85	991 ·87	991 ·84	991 ·84	991 ·89	991 ·99	992 ·29	992 ·63	992 ·86	992 ·92	992 ·82	992 ·61	992 ·36	992 ·35	992 ·41	992 ·40	992 ·32	992 ·22	992 ·13	992 ·06	992 ·01	992 ·00	992 ·00	992 ·23
Mean (Sea Level)	995 ·05	995 ·06	995 ·08	995 ·05	995 ·05	995 ·10	995 ·20	995 ·49	995 ·83	996 ·07	996 ·12	996 ·02	995 ·80	995 ·55	995 ·55	995 ·61	995 ·60	995 ·52	995 ·43	995 ·33	995 ·26	995 ·22	995 ·21	995 ·21	995 ·43

70 ABERDEEN: H_b = 26·0 metres

FEBRUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	984·0	983·7	983·7	983·4	983·4	982·9	982·6	982·6	982·6	982·5	982·3	982·0	981·7	981·3	981·1	981·1	981·2	981·4	981·4	981·4	981·4	981·5	981·8	981·8	982·3
2	981·8	982·1	982·2	982·4	982·7	982·9	983·1	983·6	984·0	984·3	984·8	985·0	985·3	985·9	987·0	987·7	988·5	989·5	990·1	990·7	991·1	991·4	991·5	991·8	986·0
3	992·0	992·1	992·3	992·1	993·4	993·7	994·7	995·8	997·2	997·9	999·1	999·4	000·2	000·9	002·0	002·2	002·7	003·4	003·7	004·3	004·8	005·3	005·6	006·2	998·9
4	006·7	007·0	007·2	007·3	007·5	008·0	008·3	008·9	009·4	010·0	010·3	010·5	010·7	011·0	011·5	012·0	012·2	012·6	013·1	013·5	013·9	014·4	014·8	015·4	010·5
5	015·5	015·8	016·2	016·5	017·0	017·3	017·8	018·4	019·2	019·8	020·0	020·3	020·2	020·3	020·3	020·6	021·1	021·5	021·4	021·4	021·5	021·7	021·9	021·9	019·3
6	022·1	022·2	022·0	021·7	021·6	021·6	021·6	021·8	021·9	022·4	022·8	022·7	022·7	022·6	022·5	022·7	022·4	022·5	022·6	022·3	022·6	022·9	023·0	023·1	022·3
7	023·4	023·3	023·0	023·0	023·0	023·1	022·9	023·3	023·8	024·3	024·8	025·2	025·0	024·9	025·1	025·2	025·7	025·7	025·5	025·5	025·4	025·5	025·7	025·7	024·4
8	025·5	025·2	024·8	024·7	024·7	024·3	024·4	024·5	024·4	024·9	024·7	024·2	024·2	023·7	023·5	023·1	022·9	023·0	022·9	022·0	021·3	021·1	020·6	020·5	023·7
9	020·2	019·3	018·8	018·1	017·8	016·6	016·5	016·3	016·5	016·4	016·3	015·9	015·7	015·3	015·3	015·3	015·7	016·1	016·7	017·2	018·4	018·8	019·2	019·5	017·2
10	019·6	020·4	020·6	021·0	021·3	021·8	022·1	022·6	023·1	023·3	023·3	023·1	023·0	022·5	022·4	022·3	022·2	022·2	022·1	021·7	020·9	020·3	019·8	019·3	021·7
11	018·9	018·1	017·5	016·4	015·9	014·9	014·1	014·0	013·6	013·1	012·8	012·5	012·6	012·5	012·0	012·2	012·2	012·6	013·1	013·6	014·1	014·6	014·8	014·9	014·3
12	015·2	015·6	015·7	015·9	016·2	016·5	016·8	017·4	017·8	018·2	018·3	018·3	018·3	018·1	018·0	017·9	018·1	018·1	018·1	018·3	018·3	018·1	018·3	018·6	017·4
13	018·5	018·6	018·3	018·4	018·4	018·4	018·6	018·7	019·1	019·2	019·4	019·1	018·5	018·3	018·0	017·9	017·3	017·4	017·2	016·9	016·4	016·1	015·8	015·3	018·0
14	014·7	014·1	013·0	012·3	011·6	010·9	010·1	009·7	009·3	008·6	007·8	007·1	006·1	006·1	004·4	003·2	002·5	002·1	001·5	001·2	001·0	001·0	000·9	000·5	007·0
15	999·7	999·1	998·6	997·5	997·0	996·5	996·4	996·1	996·1	996·1	996·0	995·7	995·6	995·1	994·9	994·9	994·9	994·9	995·0	995·0	994·9	994·8	994·6	994·3	996·1
16	993·8	993·5	993·0	992·9	992·5	992·4	992·1	992·1	991·9	992·2	992·1	992·2	991·8	992·0	992·1	992·3	992·6	993·1	993·2	993·5	993·8	994·0	993·9	994·0	992·8
17	994·3	994·3	994·1	994·2	994·1	994·2	994·2	994·3	994·3	994·3	994·1	993·7	993·5	993·3	993·0	992·5	992·7	992·4	992·1	991·3	991·2	990·8	990·1	989·9	993·1
18	989·8	989·0	988·5	987·8	987·2	986·6	986·2	985·3	984·3	982·8	981·1	979·6	978·0	976·7	976·2	976·0	976·1	976·3	975·9	975·6	974·9	974·4	974·0	973·6	981·0
19	973·4	973·1	973·0	973·5	974·1	975·1	977·0	978·7	980·3	981·5	982·8	983·6	984·6	985·4	985·3	985·4	985·3	984·9	985·2	986·0	986·6	987·1	987·5	988·1	981·3
20	988·6	989·1	989·5	989·7	990·0	991·2	991·9	992·8	993·4	994·5	994·9	995·7	996·4	996·8	997·3	997·9	998·7	999·1	999·5	999·9	000·8	001·2	001·6	002·0	995·2
21	002·5	002·7	003·0	002·9	002·7	002·6	002·4	002·2	002·2	001·5	000·4	999·1	997·4	995·8	994·6	993·5	992·9	992·8	992·3	992·2	992·4	992·8	994·0	994·6	998·1
22	994·8	994·9	995·0	995·1	995·1	995·4	995·7	996·1	996·3	996·7	996·8	997·0	996·8	996·5	996·5	996·4	996·4	996·5	996·5	996·6	996·6	996·5	996·4	996·3	996·1
23	995·7	995·1	994·9	994·4	993·9	993·5	993·4	993·0	992·9	992·8	993·0	992·9	993·1	993·2	993·4	993·6	993·9	994·4	995·1	995·5	996·0	996·6	997·4	998·2	994·4
24	998·8	999·4	000·1	000·9	001·9	003·1	004·1	005·6	006·8	007·9	008·8	009·6	010·3	011·1	011·9	012·6	013·5	014·6	015·4	016·2	016·9	017·6	018·1	018·6	008·9
25	019·2	019·7	019·7	019·7	020·2	020·2	020·4	020·7	020·8	020·2	019·9	019·8	019·4	018·5	017·7	017·1	016·8	016·2	015·3	014·6	013·7	012·7	011·2	009·5	017·8
26	008·9	008·1	007·4	006·1	005·5	004·2	003·2	002·6	000·7	999·8	999·5	998·4	997·1	996·1	995·3	994·6	993·7	992·9	992·0	990·9	990·0	989·3	988·6	988·5	998·5
27	987·9	987·4	986·7	986·1	986·0	985·7	985·8	985·8	985·9	986·2	986·8	987·1	987·1	987·3	987·5	987·8	988·1	988·5	988·9	989·3	989·3	989·6	989·8	989·9	987·5
28	990·3	990·5	990·7	991·1	991·6	992·1	992·7	993·6	994·0	994·5	994·8	995·4	995·8	996·1	996·2	996·2	996·0	996·8	997·5	998·0	998·4	998·8	998·8	998·6	994·8
29	998·6	998·1	997·6	997·4	997·3	997·1	996·7	996·2	995·8	995·1	994·6	994·2	993·5	993·0	992·3	991·6	991·2	991·1	991·0	990·5	990·4	989·9	989·5	989·5	994·0
Mean (Station Level)	1003 ·26	1003 ·16	1003 ·00	1002 ·84	1002 ·88	1002 ·86	1002 ·96	1003 ·20	1003 ·37	1003 ·48	1003 ·53	1003 ·42	1003 ·26	1003 ·11	1003 ·01	1002 ·96	1003 ·02	1003 ·19	1003 ·25	1003 ·28	1003 ·34	1003 ·41	1003 ·42	1003 ·45	1003 ·19
Mean (Sea Level)	1006 ·50	1006 ·41	1006 ·25	1006 ·10	1006 ·13	1006 ·11	1006 ·21	1006 ·45	1006 ·61	1006 ·73	1006 ·76	1006 ·66	1006 ·49	1006 ·34	1006 ·23	1006 ·18	1006 ·25	1006 ·42	1006 ·49	1006 ·52	1006 ·59	1006 ·65	1006 ·67	1006 ·70	1006 ·43
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

71 ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	989·5	989·2	988·9	989·1	989·3	989·6	990·1	991·0	991·7	992·3	992·9	993·2	993·5	994·0	994·5	994·7	995·3	996·4	997·3	997·9	998·3	999·0	999·3	000·0	993·4
2	000·3	000·7	000·9	001·3	001·7	001·8	002·5	003·0	003·1	003·7	003·9	004·1	004·1	004·2	004·0	004·0	004·1	004·3	004·3	004·4	004·3	004·2	004·2	004·2	003·1
3	004·1	003·8	003·4	003·4	003·2	003·5	003·5	003·8	004·2	004·5	004·8	005·0	005·4	005·5	005·8	006·2	006·7	007·4	007·9	008·2	008·6	009·0	009·1	008·9	005·6
4	008·9	008·7	008·4	008·0	007·6	007·3	006·5	006·0	005·3	004·8	003·7	002·6	001·7	000·7	000·2	999·1	998·5	998·3	997·6	997·5	997·5	997·5	997·5	997·2	002·8
5	997·1	996·9	996·5	996·1	996·0	995·7	995·4	995·7	995·9	995·6	995·6	995·4	995·0	994·6	994·2	994·0	993·8	993·8	993·8	994·2	994·2	994·5	994·6	994·8	995·2
6	994·7	994·6	994·5	994·7	994·8	995·3	996·1	996·4	997·2	997·7	998·4	999·0	999·4	999·6	999·9	000·5	000·8	001·4	001·7	001·8	002·0	002·1	002·1	002·1	998·5
7	002·2	002·3	002·2	002·2	002·2	002·3	002·4	002·8	002·9	003·2	003·2	003·2	003·0	002·7	002·4	002·0	001·8	001·9	001·8	001·5	001·5	001·5	001·7	001·9	002·3
8	002·1	002·1	002·3	002·8	003·3	004·1	004·7	005·3	005·7	006·0	006·4	006·7	006·8	006·7	006·7	006·6	006·7	007·1	007·6	008·0	008·4	008·5	008·8	008·9	005·8
9	008·8	008·7	008·4	008·3	008·3	008·3	008·7	009·4	009·7	010·5	010·5	010·5	010·5	010·6	010·8	011·0	011·4	011·5	011·6	011·8	011·9	012·1	012·2	010·2	
10	012·1	011·8	011·8	011·9	011·9	012·2	012·5	012·9	013·0	013·0	013·0	013·0	013·0	012·9	012·6	012·4	012·5	012·6	012·6	012·6	012·5	012·6	012·4	012·1	012·5
11	011·7	011·4	011·1	010·7	010·5	010·5	010·6	010·5	010·4	010·4	010·2	009·9	009·6	009·5	009·3	009·1	009·2	009·4	009·5	009·6	009·7	009·7	009·6	009·7	010·1
12	009·6	009·6	009·6	009·7	009·9	010·1	010·5	010·7	011·0	011·3	011·6	011·6	011·7	011·9	012·0	012·0	012·2	012·6	013·2	013·5	013·9	014·1	014·2	014·5	011·6
13	014·4	014·6	014·5	014·7	014·6	015·1	015·6	016·1	016·5	016·7	016·9	017·0	017·0	017·1	017·2	017·2	017·5	017·9	018·3	018·6	018·7	018·9	019·0	019·3	016·7
14	019·5	019·5	019·4	019·3	019·2	019·4	019·7	020·1	020·5	020·7	020·7	020·5	020·1	019·8	019·7	019·4	019·3	019·3	019·2	019·0	018·6	018·6	018·4	018·1	019·5
15	017·9	017·8	017·2	017·0	017·0	017·2	017·8	018·7	019·2	019·9	020·4	020·4	020·7	020·7	021·0	021·2	021·8	022·2	022·4	022·2	021·8	021·6	021·2	020·5	019·9
16	020·2	019·1	018·3	017·7	017·3	016·8	016·5	016·2	015·7	015·5	015·2	015·1	014·4	014·1	014·1	013·9	014·1	014·5	014·7	014·8	014·6	014·5	014·6	014·7	015·8
17	014·7	014·6	014·4	014·4	014·4	014·8	014·7	014·8	014·9	015·0	015·2	015·1	015·0	014·9	014·8	014·8	014·8	015·2	015·5	015·8	015·8	016·0	016·0	016·2	015·0
18	016·2	016·5	016·8	016·9	017·2	017·5	018·1	018·5	019·0	019·3	019·3	019·4	019·1	018·8	018·7	018·5	018·4	018·4	018·2	018·2	018·1	018·1	017·8	017·4	018·1
19	017·2	016·7	016·0	015·6	015·3	015·0	014·8	014·7	014·5	014·2	013·8	013·1	012·5	012·0	011·1	010·3	009·9	009·9	009·1	008·8	008·3	008·3	007·9	007·7	012·6
20	007·1	006·5	005·9	005·4	005·3	004·9	004·9	004·9	005·0	005·0	005·0	004·7	004·5	004·4	004·3	004·2	004·3	004·4	004·7	004·7	004·8	005·0	005·3	005·6	005·1
21	005·1	005·5	005·5	005·6	005·9	006·2	006·6	007·0	007·5	007·8	007·8	007·9	007·6	007·3	006·9	006·6	006·5	006·3	006·4	006·4	006·2	005·8	005·5	005·2	006·5
22	004·6	004·4	003·8	003·5	003·2	003·0	002·9	002·8	002·3	001·9	001·3	000·8	000·4	999·6	999·5	999·1	999·1	999·2	999·2	999·1	999·3	999·2	999·1	001·4	
23	999·1	999·1	999·0	999·1	999·2	999·2	999·4	999·5	999·8	000·4	000·5	000·9	001·0	000·7	000·7	001·2	001·4	001·7	001·8	002·6	002·6	002·5	002·1	001·8	000·6
24	001·4	000·7	000·5	000·5	000·8	001·5	002·5	003·8	005·3	006·3	007·2	007·9	008·3	008·8	009·3	009·5	009·9	010·4	011·2	011·7	012·0	012·3	012·5	012·6	008·7
25	012·7	012·6	012·3	012·0	011·9	012·0	012·1	012·2	012·3	012·5	012·5	012·3	012·3	012·0	011·9	011·3	011·1	011·1	011·2	011·3	011·3	011·3	011·0	010·9	011·9
26	010·6	010·5	010·0	009·8	009·6	009·8	009·9	010·1	010·1	010·1	010·3	010·3	010·2	009·8	009·7	009·6	009·5	009·6	009·8	009·9	009·9	009·9	009·9	010·0	010·0
27	009·9	009·9	009·2	009·2	009·1	009·2	009·2	009·3	009·2	009·3	009·3	009·0	009·1	008·9	008·6	008·4	008·5	008·6	008·8	008·8	008·7	008·7	008·5	008·2	009·0
28	008·0	007·8	007·5	007·0	006·7	006·6	006·7	006·6	006·8	007·0	006·9	006·9	006·8	006·6	006·6	006·7	006·6	006·8	006·9	006·9	006·9	007·2	006·9	006·8	007·0
29	006·4	006·0	005·4	005·2	005·2	004·9	004·5	004·2	003·7	002·8	002·4	001·4	000·5	999·6	998·7	997·2	996·2	995·4	994·9	994·0	993·4	992·7	992·5	992·1	000·3
30	991·5	990·9	990·1	989·5	989·2	988·9	988·6	988·5	988·5	988·4	988·7	989·0	989·5	990·3	991·2	992·1	993·0	993·4	994·2	994·9	995·7	996·5	997·0	997·0	991·4
31	997·2	997·3	996·8	996·9	996·3	996·2	996·1	996·0	995·9	995·5	995·4	995·4	995·5	995·5	996·0	996·5	997·4	997·9	999·3	000·3	001·0	002·0	002·3	002·7	997·4
Mean (Station Level)	1006 ·93	1006 ·77	1006 ·47	1006 ·37	1006 ·33	1006 ·41	1006 ·59	1006 ·83	1007 ·01	1007 ·15	1007 ·21	1007 ·15	1007 ·05	1006 ·92	1006 ·85	1006 ·76	1006 ·83	1007 ·05	1007 ·25	1007 ·38	1007 ·43	1007 ·54	1007 ·52	1007 ·50	1006 ·96
Mean (Sea Level)	1010 ·16	1010 ·00	1009 ·71	1009 ·61	1009 ·56	1009 ·65	1009 ·82	1010 ·06	1010 ·24	1010 ·37	1010 ·43	1010 ·36	1010 ·28	1010 ·12	1010 ·05	1009 ·96	1010 ·04	1010 ·27	1010 ·47	1010 ·61	1010 ·65	1010 ·77	1010 ·75	1010 ·73	1010 ·19

72 ABERDEEN: H_b = 26·0 metres — APRIL, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	003·2	003·7	004·0	004·3	004·7	005·0	005·7	006·0	006·4	006·3	006·5	006·7	006·6	006·6	006·5	006·3	006·5	006·9	007·8	008·4	009·0	009·6	010·2	010·7	006·4
2	011·3	012·1	012·6	013·1	013·6	014·3	015·1	016·0	016·5	016·9	017·4	017·8	018·5	018·6	018·9	019·0	019·4	020·0	020·4	020·8	021·0	021·1	021·2	021·4	017·1
3	021·4	021·3	021·1	021·0	020·6	020·7	021·1	021·3	021·4	021·4	021·2	021·1	020·9	020·8	020·6	020·6	020·6	020·5	020·6	020·9	021·0	021·0	021·1	021·0	021·0
4	021·0	021·0	021·0	021·1	021·1	021·6	021·6	021·7	021·8	021·7	021·5	021·6	021·5	021·2	021·0	021·1	021·0	021·2	021·7	022·3	022·5	022·8	023·0	022·9	021·6
5	023·0	023·2	023·3	023·3	023·5	023·8	024·0	024·2	024·3	024·7	025·0	025·1	025·2	025·1	024·9	025·0	024·9	025·2	025·4	025·4	025·3	024·7	024·3	023·3	024·4
6	023·6	023·1	022·1	021·3	020·5	020·1	019·1	018·2	017·1	016·3	015·2	014·6	014·3	014·0	014·2	014·0	014·1	014·2	014·6	014·7	014·8	014·8	014·9	015·2	017·0
7	014·9	014·7	014·7	014·8	014·8	014·8	014·9	015·0	015·0	014·7	014·6	014·4	014·4	014·5	014·7	014·6	014·4	014·2	014·5	014·8	014·9	014·9	015·0	015·2	014·7
8	015·3	015·2	015·2	015·2	015·2	015·4	015·7	016·3	016·8	017·2	017·6	017·7	018·4	018·9	018·9	019·1	019·3	019·6	020·4	020·7	021·1	021·4	021·6	021·7	017·9
9	021·7	021·9	022·1	022·2	022·6	022·9	023·4	023·9	024·1	024·1	023·9	024·1	024·1	024·0	023·6	023·7	023·6	023·3	023·3	023·6	023·6	023·8	023·7	023·4	023·3
10	023·5	023·2	023·1	022·8	022·7	022·6	022·3	021·9	021·7	021·6	021·3	021·0	020·9	020·9	020·6	020·5	020·5	020·6	020·7	020·8	020·8	020·6	020·2	019·9	021·5
11	019·3	019·0	018·5	018·3	017·9	017·8	017·7	017·5	017·3	017·3	016·9	016·7	016·2	015·9	015·7	015·3	015·0	014·7	014·5	014·3	013·8	013·3	012·9	012·2	016·3
12	012·0	011·9	012·0	012·2	012·5	013·0	013·4	013·7	014·2	014·6	014·7	014·7	014·7	014·5	014·3	014·1	014·1	014·1	014·2	014·4	014·3	014·2	014·2	014·1	013·7
13	013·4	012·9	012·4	012·0	011·7	011·6	011·4	011·4	011·3	011·6	011·5	011·3	011·2	011·0	010·7	010·1	009·7	009·3	008·9	008·7	008·1	007·6	006·9	006·2	010·6
14	005·8	005·5	005·2	004·9	005·0	005·2	005·2	005·5	005·8	006·0	006·1	006·3	006·3	006·4	006·5	006·4	006·4	006·3	006·3	006·2	005·9	005·6	005·5	005·2	005·8
15	005·0	004·5	004·2	003·7	003·5	003·1	003·0	002·9	002·7	002·8	002·3	002·0	001·4	001·0	000·6	000·4	000·3	000·3	000·3	000·5	000·5	000·4	000·5	000·4	002·0
16	000·2	000·2	000·2	000·4	000·6	000·8	000·7	000·8	001·0	001·1	001·0	001·3	001·4	001·3	001·1	000·9	001·1	001·4	001·6	002·0	002·1	002·2	002·2	002·2	001·1
17	002·2	002·5	002·4	002·6	003·0	003·7	004·3	004·8	005·1	006·0	006·1	006·3	006·7	007·2	007·5	007·8	008·1	008·3	008·8	009·1	009·4	009·6	009·6	009·5	006·1
18	009·4	009·2	009·3	009·2	009·4	009·4	009·3	009·0	008·9	008·9	008·7	008·5	008·1	007·7	007·6	007·5	007·6	007·8	008·0	008·0	008·0	007·9	007·7	007·6	008·5
19	007·2	006·7	006·4	006·5	006·3	006·1	006·1	005·8	005·8	005·9	005·8	005·4	005·4	004·9	004·8	004·5	004·8	004·5	004·5	004·5	004·4	004·2	004·1	003·5	005·4
20	003·3	002·9	002·7	002·2	002·0	001·9	001·6	001·7	002·3	001·8	002·1	002·3	002·3	002·6	002·5	002·7	003·2	003·3	003·6	003·7	003·8	003·9	003·7	003·5	002·7
21	003·2	003·0	002·6	002·3	001·9	001·8	001·4	001·0	000·5	000·5	999·8	999·7	999·5	999·2	999·3	999·1	999·2	999·1	999·4	999·7	000·0	000·3	000·4	001·0	000·6
22	001·1	001·0	001·1	001·3	001·2	001·4	001·8	003·1	003·1	004·3	004·4	004·4	005·2	006·0	006·4	007·2	007·9	008·4	009·2	009·6	010·0	010·2	010·5	010·6	005·2
23	010·7	010·8	011·0	011·0	011·1	011·0	010·9	011·1	011·2	010·9	010·5	010·1	009·7	009·0	008·2	007·7	007·4	006·8	006·8	006·6	006·1	005·8	005·7	005·6	009·1
24	005·3	005·2	005·1	005·1	005·2	005·5	005·8	006·3	006·2	006·5	007·0	006·5	006·3	006·1	006·1	005·9	005·2	004·9	004·1	003·0	001·8	001·0	998·7	998·8	004·8
25	999·0	999·4	000·1	000·1	000·0	000·3	999·9	000·5	001·0	001·7	002·1	002·4	002·9	002·8	002·7	002·9	002·9	003·1	003·3	003·8	003·6	003·2	003·3	002·9	001·7
26	002·7	002·5	002·2	002·2	002·2	002·1	002·0	002·0	002·3	002·3	002·3	002·1	002·0	002·3	002·4	002·7	003·6	004·5	005·5	006·6	007·5	008·4	008·9	010·0	003·7
27	010·6	011·4	012·2	013·0	014·1	015·1	016·0	016·8	017·5	018·2	018·7	019·3	019·7	020·1	020·3	020·6	020·8	021·2	021·3	021·5	021·2	021·2	021·3	021·0	017·8
28	020·7	020·4	020·0	019·7	019·2	019·4	018·7	018·7	018·5	018·2	018·0	017·5	017·6	017·2	016·9	017·0	016·8	016·9	017·0	017·4	017·9	018·6	019·0	019·5	018·4
29	019·8	020·2	020·4	020·7	020·9	021·5	021·8	022·2	022·3	022·3	022·1	022·1	022·0	021·8	021·5	021·4	021·2	021·1	021·1	021·3	021·6	022·3	022·3	022·5	021·5
30	022·6	022·6	022·9	023·5	023·6	023·9	024·0	024·1	024·1	024·2	024·1	024·1	024·1	024·0	024·1	024·1	024·0	024·1	024·4	024·9	025·1	025·2	025·4	025·3	024·0
Mean (Station Level)	1011 ·75	1011 ·71	1011 ·67	1011 ·67	1011 ·69	1011 ·86	1011 ·93	1012 ·11	1012 ·21	1012 ·33	1012 ·28	1012 ·24	1012 ·25	1012 ·19	1012 ·10	1012 ·07	1012 ·12	1012 ·19	1012 ·41	1012 ·61	1012 ·64	1012 ·66	1012 ·60	1012 ·54	1012 ·14
Mean (Sea Level)	1015 ·00	1014 ·97	1014 ·93	1014 ·93	1014 ·95	1015 ·12	1015 ·18	1015 ·35	1015 ·44	1015 ·56	1015 ·50	1015 ·45	1015 ·46	1015 ·40	1015 ·31	1015 ·29	1015 ·34	1015 ·41	1015 ·64	1015 ·85	1015 ·88	1015 ·91	1015 ·85	1015 ·80	1015 ·38
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

73 ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	025·1	024·9	024·6	024·5	024·4	024·5	024·6	024·6	024·8	024·6	024·5	024·2	023·9	023·7	023·4	023·3	023·2	023·2	023·1	023·4	023·5	023·5	023·4	023·4	024·1
2	023·4	023·2	023·1	023·2	023·3	023·6	023·7	023·9	024·0	023·9	023·9	023·9	023·8	023·7	023·6	023·6	023·7	023·9	024·3	024·7	024·9	025·1	025·2	025·2	023·9
3	025·4	025·4	025·4	025·6	026·1	026·3	026·5	026·8	026·9	027·0	027·1	027·2	027·3	027·1	026·8	026·7	026·5	026·4	026·5	026·6	026·3	026·4	026·4	026·1	026·4
4	025·7	025·1	024·6	024·2	024·0	023·8	023·6	023·3	022·8	022·3	021·7	021·1	020·5	019·6	019·1	018·4	017·8	017·5	017·2	017·0	016·6	016·2	015·6	015·4	020·8
5	014·8	014·4	014·0	013·6	013·2	013·2	013·2	013·2	013·1	013·1	012·8	012·6	012·4	012·4	012·5	012·4	012·4	012·6	012·7	013·0	012·9	012·9	012·8	012·8	013·1
6	012·8	012·8	012·8	012·9	013·1	013·3	013·7	014·3	014·3	014·6	014·7	014·9	015·4	015·9	016·4	016·6	016·8	017·1	017·5	018·1	018·5	018·6	018·6	018·5	015·4
7	018·4	018·6	018·7	018·9	019·2	019·7	019·9	020·5	020·9	021·3	021·5	021·6	021·7	021·5	021·4	021·4	021·5	021·7	021·9	022·3	022·4	022·5	022·8	022·7	020·9
8	022·4	022·3	022·0	022·0	021·9	021·9	021·7	021·7	021·5	021·4	021·2	021·0	020·9	020·6	020·3	020·4	020·2	020·1	020·0	020·1	019·9	019·6	019·3	018·8	021·0
9	018·6	018·1	018·3	018·1	018·0	018·1	018·0	017·9	017·9	018·0	017·7	017·7	017·8	017·7	017·7	017·5	017·6	017·6	017·7	017·9	018·1	018·3	018·2	018·1	018·0
10	017·8	017·7	017·3	017·2	017·0	017·1	016·9	017·0	016·8	016·8	016·7	016·7	016·4	016·3	016·0	016·1	015·9	016·0	016·2	016·4	016·2	016·4	016·3	016·3	016·7
11	016·2	016·4	016·3	016·3	016·2	016·3	016·3	016·5	016·6	016·4	016·4	016·4	016·1	015·9	015·7	015·5	015·2	015·1	014·9	014·9	014·8	014·6	014·3	014·1	015·8
12	013·5	013·4	012·9	012·8	012·7	012·8	013·0	013·1	013·1	013·1	013·2	013·1	013·1	013·4	013·6	013·6	013·6	013·8	014·1	014·5	014·9	015·0	015·1	015·0	013·6
13	014·9	014·7	014·5	014·6	014·8	014·6	014·6	014·7	014·5	014·1	013·8	013·2	012·7	011·7	011·3	011·1	010·7	010·6	010·6	010·5	010·1	010·1	010·1	010·1	012·7
14	010·3	010·6	010·7	011·1	011·7	012·2	012·9	012·9	013·1	013·3	013·4	013·6	013·4	013·2	013·1	013·3	013·1	013·0	013·2	013·1	012·6	012·0	011·6	011·2	012·4
15	011·1	010·7	010·1	009·9	009·6	009·5	009·7	009·7	009·8	009·7	009·8	010·2	010·7	010·8	010·6	011·1	011·0	011·2	011·3	011·8	012·3	012·4	012·8	012·9	010·7
16	012·7	012·5	012·5	012·4	012·3	012·5	012·8	013·0	013·6	013·6	014·0	014·5	014·8	014·9	015·1	015·4	015·4	015·7	015·9	016·5	016·7	016·8	016·7	016·5	014·4
17	016·5	016·1	015·7	015·1	014·8	014·5	014·3	014·5	014·8	014·4	014·4	014·4	014·0	013·9	013·8	013·7	013·8	013·9	014·4	015·1	015·9	016·5	017·0	017·6	014·9
18	017·8	018·4	018·7	019·2	020·1	020·7	021·5	022·4	023·3	023·7	024·1	024·7	024·8	025·2	025·4	025·7	026·1	026·6	027·2	027·6	027·7	027·7	027·5	027·2	023·7
19	026·8	026·4	025·7	025·7	025·5	025·5	025·2	025·0	024·5	024·1	023·8	023·2	022·5	021·8	021·4	021·7	021·4	021·5	021·6	021·9	022·3	022·4	022·4	022·7	023·6
20	022·9	022·7	022·7	022·8	023·0	023·3	023·5	023·5	024·0	023·8	023·7	023·4	023·2	023·2	022·8	022·7	022·4	022·3	022·4	022·4	022·4	022·2	021·8	021·5	022·9
21	020·9	020·3	019·9	019·3	018·9	019·0	018·6	018·7	018·8	018·9	018·8	018·9	018·7	018·7	018·5	018·2	018·1	018·0	017·7	017·6	017·0	016·9	016·5	015·6	018·6
22	014·4	013·8	013·0	012·0	010·7	009·8	008·9	008·2	007·7	007·3	006·7	006·2	006·2	006·2	006·4	006·7	007·3	008·0	008·7	009·4	010·2	010·5	011·3	011·7	009·3
23	011·9	012·1	012·1	012·2	012·5	013·1	013·4	013·9	014·4	015·1	015·5	016·1	016·4	016·5	016·8	017·0	017·3	017·5	018·1	018·6	019·1	019·7	019·8	020·0	015·6
24	020·0	020·1	020·2	020·0	020·0	019·9	019·9	020·0	019·8	019·9	019·9	019·8	019·7	019·7	019·4	019·1	018·8	018·6	018·6	018·9	019·1	019·0	019·0	018·7	019·5
25	018·1	018·0	017·7	017·5	017·4	017·6	017·8	018·1	018·2	018·2	018·1	018·4	018·5	018·4	018·4	018·2	018·2	018·3	018·4	018·6	019·0	019·4	019·5	019·1	018·3
26	019·3	019·4	019·3	019·4	019·3	019·5	019·4	019·6	019·8	019·9	020·0	020·1	020·0	019·7	019·3	019·0	018·9	019·1	019·2	019·3	019·6	020·1	020·0	020·3	019·5
27	020·5	020·7	020·7	020·8	020·8	021·2	021·4	022·0	022·4	022·7	023·1	023·2	023·4	023·3	023·3	023·5	023·7	023·7	023·8	023·8	023·9	023·8	023·6	023·4	022·5
28	023·0	022·7	022·4	022·1	021·6	021·3	021·2	021·0	020·4	019·5	018·5	017·6	016·8	015·9	015·3	014·4	013·3	012·2	011·4	010·6	010·1	009·1	008·4	007·3	016·8
29	006·3	005·4	004·9	004·2	003·8	003·5	002·9	003·0	002·8	002·9	002·8	002·6	002·4	002·6	002·6	002·5	002·5	002·8	003·8	004·1	004·5	004·5	004·6	004·6	003·7
30	004·5	004·5	004·6	004·4	004·6	004·7	005·0	005·6	005·8	005·8	005·9	006·2	006·2	006·3	006·3	006·3	006·6	006·9	007·1	007·2	007·3	007·4	007·4	007·6	005·9
31	007·4	007·2	007·1	007·1	007·2	007·3	007·5	007·5	007·7	007·8	007·8	007·8	008·1	008·2	008·0	008·2	008·2	008·4	008·4	008·6	008·7	008·6	008·6	008·5	007·9
Mean (Station Level)	1017 ·21	1017 ·05	1016 ·85	1016 ·75	1016 ·70	1016 ·78	1016 ·83	1016 ·97	1017 ·04	1017 ·01	1016 ·95	1016 ·92	1016 ·83	1016 ·71	1016 ·59	1016 ·56	1016 ·49	1016 ·56	1016 ·71	1016 ·92	1017 ·02	1017 ·04	1016 ·99	1016 ·87	1016 ·86
Mean (Sea Level)	1020 ·43	1020 ·28	1020 ·09	1019 ·98	1019 ·93	1020 ·01	1020 ·04	1020 ·18	1020 ·24	1020 ·21	1020 ·15	1020 ·12	1020 ·03	1019 ·91	1019 ·79	1019 ·76	1019 ·69	1019 ·76	1019 ·92	1020 ·13	1020 ·23	1020 ·26	1020 ·21	1020 ·09	1020 ·07

74 ABERDEEN: H_b = 26·0 metres JUNE, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	008·2	008·0	007·8	007·6	007·6	007·6	007·6	007·8	007·8	008·0	008·3	008·8	009·1	009·3	009·6	009·8	009·9	010·3	010·8	011·1	011·6	011·9	012·2	012·3	009·2
2	012·6	013·0	013·2	013·2	013·6	014·0	014·2	014·5	014·5	014·7	014·7	014·8	014·7	014·7	014·5	014·4	014·4	014·4	014·4	014·5	014·7	014·8	014·6	014·6	014·2
3	014·4	014·3	014·1	014·2	014·0	014·0	014·2	013·9	013·8	014·0	014·0	014·1	014·0	013·8	013·6	013·5	013·4	013·5	013·6	013·7	013·9	014·1	014·3	014·2	013·9
4	014·2	014·1	014·0	014·1	014·2	014·6	014·8	015·3	015·9	016·6	016·8	017·2	017·1	017·0	017·2	017·3	017·6	018·0	018·2	018·5	019·0	019·4	019·3	019·2	016·5
5	019·1	018·7	018·3	018·3	018·0	017·7	017·3	017·2	016·6	016·0	015·4	014·6	013·8	013·3	012·4	012·0	011·0	010·4	010·2	009·8	009·3	008·6	008·2	007·5	014·1
6	006·6	005·7	005·0	004·7	004·1	004·0	004·1	004·0	003·6	003·6	003·2	003·4	003·0	002·8	002·3	001·7	001·6	002·1	002·1	002·5	003·1	003·3	003·3	003·2	003·5
7	003·0	003·3	003·4	003·4	003·9	004·3	004·6	005·1	005·4	006·2	006·8	007·1	007·6	008·2	008·6	008·8	009·3	009·3	009·7	010·1	010·5	010·9	011·3	011·6	007·0
8	011·7	011·5	011·6	011·7	012·2	012·4	012·6	012·7	012·7	012·7	012·4	012·2	012·0	011·8	011·5	011·3	011·4	011·7	012·0	012·7	013·5	014·1	013·9	013·9	012·3
9	013·3	013·2	013·0	012·6	011·7	011·4	011·4	010·9	010·4	009·9	009·0	008·6	007·7	007·3	007·2	007·4	007·5	007·6	007·8	008·2	008·6	008·9	009·2	009·7	009·8
10	010·0	010·9	011·4	012·3	012·8	013·2	013·8	014·5	014·7	015·3	015·3	015·7	015·7	016·1	016·4	016·5	016·4	016·5	016·3	016·4	016·4	016·3	016·0	015·6	014·7
11	015·2	014·5	014·0	013·5	012·9	012·2	011·8	011·4	010·8	010·3	009·7	009·1	008·7	008·3	008·0	007·7	007·4	007·1	007·2	007·2	007·2	007·6	007·8	008·0	010·1
12	008·2	008·2	008·1	008·5	008·6	009·3	009·8	010·0	010·2	010·5	010·8	011·0	011·1	011·3	011·7	012·0	011·9	012·4	012·8	013·4	013·9	014·1	014·0	014·1	011·0
13	014·3	014·3	014·2	014·5	014·5	014·6	014·7	014·8	014·8	015·1	015·2	015·1	014·8	014·7	014·4	014·1	013·8	013·5	013·3	013·3	013·1	013·0	012·3	012·0	014·1
14	011·7	011·4	010·8	010·3	010·1	009·5	008·6	008·2	007·3	006·6	005·7	005·3	004·6	004·3	003·5	003·2	002·6	002·3	002·2	001·8	001·6	001·3	001·1	000·9	005·9
15	000·6	000·4	000·0	999·7	999·8	000·1	000·1	000·4	000·6	000·5	000·4	000·8	001·3	001·6	001·4	001·5	001·5	001·4	001·3	001·6	001·9	002·4	002·9	003·3	001·0
16	003·4	003·4	003·4	003·4	003·6	003·6	004·0	004·5	004·5	004·7	004·8	004·6	004·5	004·6	004·7	004·9	005·0	005·2	005·7	006·1	006·5	007·5	008·0	008·4	004·9
17	008·9	009·3	009·3	009·2	009·5	010·0	010·6	010·7	010·7	011·2	011·7	012·2	012·7	012·7	013·1	013·5	014·2	014·7	015·4	016·2	016·9	017·5	018·1	018·5	013·0
18	018·9	019·0	019·5	019·7	020·2	020·6	021·0	021·6	021·9	022·2	022·3	022·8	023·0	023·2	023·1	023·1	023·0	023·2	023·4	023·6	023·9	024·1	024·2	024·3	022·0
19	023·8	023·2	023·0	023·1	023·0	023·1	022·9	022·8	022·4	021·9	021·6	021·1	020·6	020·1	019·5	019·1	018·8	018·6	018·3	018·5	018·3	018·1	018·0	017·9	020·9
20	017·4	016·9	016·6	016·9	016·5	016·2	016·3	016·3	016·0	016·2	016·3	016·2	015·7	015·4	014·8	014·7	014·5	014·6	014·6	014·7	014·8	014·9	014·9	014·5	015·7
21	014·4	014·4	014·1	014·0	014·2	014·1	014·2	014·8	015·0	015·0	015·0	015·0	015·0	015·0	014·8	014·8	014·7	014·9	014·9	014·9	015·3	015·5	015·5	015·7	014·8
22	015·6	015·6	015·2	014·9	015·0	015·1	015·4	015·7	016·1	016·0	015·9	015·8	015·8	015·6	015·3	015·2	015·0	014·9	014·9	014·9	014·9	015·0	014·9	015·0	015·3
23	015·0	014·9	014·6	014·7	014·6	015·1	015·3	015·4	015·6	015·5	015·8	015·9	016·1	016·0	015·6	015·6	015·5	015·6	015·7	015·9	016·1	016·2	016·2	016·0	015·5
24	015·7	015·6	015·6	015·8	015·8	015·9	016·2	016·6	016·6	016·7	016·7	017·0	016·9	017·1	017·1	017·1	017·1	017·2	017·5	017·7	018·3	018·7	019·1	019·2	016·9
25	019·1	019·1	019·2	019·1	019·3	020·0	020·2	020·2	020·2	020·2	020·3	020·2	020·2	020·2	020·1	019·9	019·8	019·7	019·5	019·4	019·4	019·5	019·5	019·5	019·7
26	019·3	019·1	018·8	018·5	018·3	018·4	018·4	018·2	018·2	018·3	018·2	018·1	018·1	018·1	018·1	018·0	017·9	017·8	017·7	018·0	018·2	018·5	018·5	018·5	018·3
27	018·2	018·1	018·0	018·1	018·2	018·3	018·3	018·4	018·3	018·4	018·3	018·5	018·5	018·2	018·2	018·0	017·8	017·7	017·6	017·3	017·9	017·8	017·7	017·6	018·1
28	017·3	017·2	016·8	016·8	016·7	016·5	016·3	016·4	016·0	015·9	015·4	015·2	015·0	014·8	014·5	014·2	013·6	013·6	013·6	013·6	013·5	013·4	013·3	013·2	015·2
29	012·9	012·6	012·1	011·9	011·7	011·7	011·5	011·3	010·9	010·9	010·5	010·3	010·2	009·6	008·9	008·7	008·3	008·1	007·7	007·5	007·3	007·1	006·4	005·5	009·9
30	004·7	004·0	003·7	002·1	000·9	000·3	999·8	998·9	998·4	998·1	997·8	997·8	997·2	997·0	997·0	997·6	998·4	999·1	999·5	000·0	000·6	000·8	000·9	001·1	999·9
Mean (Station Level)	1012 ·92	1012 ·80	1012 ·63	1012 ·56	1012 ·52	1012 ·59	1012 ·66	1012 ·75	1012 ·86	1012 ·71	1012 ·61	1012 ·62	1012 ·49	1012 ·40	1012 ·24	1012 ·19	1012 ·11	1012 ·18	1012 ·27	1012 ·45	1012 ·67	1012 ·84	1012 ·85	1012 ·84	1012 ·57
Mean (Sea Level)	1016 ·11	1015 ·99	1015 ·82	1015 ·75	1015 ·71	1015 ·77	1015 ·82	1015 ·91	1015 ·81	1015 ·85	1015 ·75	1015 ·76	1015 ·63	1015 ·54	1015 ·37	1015 ·32	1015 ·25	1015 ·32	1015 ·41	1015 ·60	1015 ·83	1016 ·01	1016 ·03	1016 ·02	1015 ·73
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

75 **ABERDEEN:** H_b (height of barometer cistern above M.S.L.) = 26·0 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	001·0	001·0	000·8	001·0	000·9	001·1	001·2	001·5	001·7	001·8	001·8	001·9	001·7	001·8	001·7	001·5	001·2	001·4	001·3	001·2	001·3	001·2	001·1	001·1	001·3
2	001·0	000·7	000·4	000·2	000·4	000·6	000·8	001·1	001·3	001·7	002·1	002·2	002·4	002·5	002·3	002·5	002·5	002·8	002·6	002·6	002·7	002·6	002·4	002·6	001·8
3	002·3	002·2	001·9	001·8	001·5	001·5	001·4	001·5	001·3	001·1	001·1	001·2	001·3	001·4	001·4	001·4	001·1	001·1	001·0	001·1	001·3	001·5	001·6	001·8	001·5
4	001·7	001·7	001·7	001·9	002·3	002·3	002·4	002·7	002·7	002·6	002·2	002·0	001·9	001·5	001·2	001·4	001·3	001·7	001·9	002·3	002·5	002·9	003·2	003·3	002·1
5	003·4	003·7	003·7	004·1	004·4	004·8	005·0	005·2	005·5	005·7	005·4	005·5	005·5	005·7	005·7	005·7	006·1	006·6	007·1	007·5	008·7	008·7	009·0	009·2	005·8
6	009·2	009·2	009·0	009·5	009·6	009·5	009·8	009·9	009·9	009·9	009·9	010·0	009·6	009·8	009·4	009·8	009·7	009·4	009·2	009·2	009·1	008·9	008·3	008·0	009·4
7	007·6	007·0	006·4	005·7	005·3	004·8	004·3	004·0	004·0	003·7	003·3	003·6	003·1	003·2	003·1	002·9	002·6	002·6	002·7	002·5	002·4	002·5	002·1	001·9	003·9
8	001·5	001·3	000·8	000·4	999·9	999·6	999·4	999·3	998·8	998·6	998·4	998·6	998·9	999·0	999·5	999·4	999·8	000·3	000·4	000·7	001·5	001·8	002·0	002·0	000·1
9	002·2	002·2	002·2	002·7	002·8	003·2	003·3	003·7	003·9	004·3	004·3	004·5	004·7	004·9	005·0	005·1	005·0	005·0	005·1	005·2	005·4	005·5	005·4	005·2	004·1
10	005·1	005·1	004·9	005·0	005·0	005·0	005·2	005·2	005·0	004·9	004·9	005·0	004·7	004·6	004·4	004·2	004·3	004·4	004·2	004·3	004·1	004·2	003·7	003·2	004·7
11	002·7	002·3	002·2	002·2	001·7	001·2	001·2	001·2	001·2	001·5	001·2	000·8	000·7	000·6	000·6	000·0	999·9	999·6	999·5	999·4	999·3	999·0	998·5	998·2	000·7
12	998·2	997·8	997·5	997·4	997·4	997·4	997·5	997·6	997·6	997·8	998·2	998·1	998·1	998·0	998·1	998·1	998·6	998·4	998·3	998·4	998·5	998·4	998·0	998·0	998·0
13	997·6	997·3	996·9	996·7	996·4	996·3	996·1	996·2	996·2	996·5	996·3	996·4	996·5	996·4	996·3	996·1	996·2	996·2	996·2	996·2	996·1	995·9	995·7	995·6	996·4
14	995·4	995·2	994·7	994·5	994·5	994·4	994·4	994·4	994·6	994·8	994·7	994·5	994·7	994·7	994·7	994·5	994·4	994·4	993·9	993·9	993·9	993·6	993·3	992·7	994·4
15	992·3	992·1	991·5	991·2	990·9	991·0	991·2	991·4	991·2	991·0	990·8	991·0	991·2	991·1	991·2	991·5	991·7	992·2	992·5	992·8	993·4	993·6	994·2	994·6	991·9
16	994·9	995·1	995·5	996·0	996·8	997·4	998·2	998·8	999·6	000·3	001·0	001·4	001·8	002·3	002·9	003·7	004·1	004·6	005·4	006·2	007·0	007·6	007·7	008·1	001·2
17	008·3	008·3	008·4	008·4	008·6	008·8	009·0	009·1	009·1	009·0	009·0	008·9	008·7	008·4	008·1	007·9	007·6	007·4	007·0	006·5	006·3	005·8	004·9	003·9	007·9
18	003·0	001·6	000·5	999·6	998·3	997·7	996·9	996·3	995·6	995·2	995·0	994·8	994·6	994·6	994·2	994·1	993·8	993·5	993·3	993·3	993·2	993·0	992·9	992·8	996·0
19	992·8	992·7	992·5	992·4	992·3	992·2	992·4	992·6	992·7	993·0	993·0	993·1	993·5	993·8	994·2	994·1	994·2	994·5	995·1	995·4	995·8	996·0	996·3	996·6	993·7
20	996·4	996·4	996·5	996·9	996·9	997·1	997·2	997·2	997·0	997·5	997·8	997·9	998·1	998·3	998·7	998·7	998·6	999·3	999·8	000·5	000·7	001·4	001·9	001·8	998·3
21	002·0	002·0	001·9	001·8	001·8	002·2	002·6	002·7	003·4	003·7	004·1	004·2	004·4	004·5	004·6	005·0	005·3	005·6	006·3	006·7	007·1	007·4	007·3	007·2	004·2
22	007·3	007·5	007·6	007·8	007·9	008·0	008·1	008·3	008·5	008·6	008·6	008·8	008·8	009·0	008·8	009·0	009·1	009·1	009·2	009·1	009·5	009·3	009·1	008·8	008·5
23	008·1	007·5	006·9	006·9	006·3	005·8	005·3	004·8	003·7	003·0	001·8	001·1	000·0	999·1	997·6	996·0	994·6	992·9	991·7	990·8	990·3	989·9	989·6	989·5	999·7
24	989·4	989·4	989·2	989·0	988·5	988·4	988·3	987·8	987·9	987·7	987·5	987·5	987·0	987·3	987·6	987·8	988·3	988·6	988·8	989·8	990·7	991·0	990·9	991·4	988·7
25	991·7	991·6	991·3	991·7	992·0	992·5	993·0	993·5	994·2	994·4	994·5	994·9	995·5	995·8	996·1	996·4	996·8	997·0	997·3	997·8	998·3	998·4	998·5	998·5	994·9
26	998·5	998·6	998·8	999·1	999·4	999·8	000·2	000·6	001·0	001·3	001·7	002·1	002·4	002·7	002·9	003·1	003·5	003·7	004·3	004·6	005·3	005·9	006·4	006·5	002·0
27	006·9	007·1	007·3	007·4	007·9	008·4	008·7	009·1	009·4	009·8	009·7	010·3	010·5	010·9	011·1	011·3	011·9	012·3	012·4	012·7	013·2	013·3	013·4	013·5	010·2
28	013·3	013·3	013·4	013·5	013·5	013·7	013·6	013·6	013·8	013·7	013·6	013·6	013·4	013·3	013·1	012·9	013·0	013·1	013·1	013·2	013·3	013·4	013·4	013·3	013·4
29	013·4	013·6	013·7	013·7	014·0	014·4	014·7	015·0	015·2	015·7	015·6	015·9	015·8	015·9	016·1	016·8	016·8	017·0	017·4	017·5	017·5	017·5	017·3	017·0	015·7
30	016·5	016·2	015·6	015·6	015·6	015·5	015·4	015·5	015·3	014·8	014·5	013·9	013·1	012·3	011·5	010·8	010·3	009·8	009·3	008·7	008·0	006·8	005·6	004·3	012·6
31	002·7	001·6	999·7	998·8	998·1	997·8	997·7	998·1	998·5	999·0	999·8	000·1	000·2	000·4	000·4	000·8	000·8	001·6	002·1	002·7	002·8	002·7	002·6	002·6	000·5
Mean (Station Level)	1002 ·14	1001 ·98	1001 ·72	1001 ·71	1001 ·64	1001 ·69	1001 ·76	1001 ·87	1001 ·93	1002 ·02	1001 ·99	1002 ·06	1002 ·03	1002 ·06	1002 ·02	1002 ·02	1002 ·04	1002 ·13	1002 ·21	1002 ·35	1002 ·55	1002 ·57	1002 ·46	1002 ·36	1002 ·05
Mean (Sea Level)	1005 ·26	1005 ·10	1004 ·85	1004 ·83	1004 ·76	1004 ·80	1004 ·87	1004 ·97	1005 ·03	1005 ·11	1005 ·08	1005 ·14	1005 ·11	1005 ·14	1005 ·10	1005 ·10	1005 ·12	1005 ·23	1005 ·30	1005 ·45	1005 ·67	1005 ·68	1005 ·58	1005 ·48	1005 ·16

76 **ABERDEEN:** H_b = 26·0 metres — AUGUST, 1936

Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	002·5	002·6	002·6	002·5	002·6	002·6	002·4	002·5	002·6	002·5	002·5	002·5	002·5	002·7	002·8	002·5	002·7	002·4	002·4	002·5	002·4	002·0	001·4	000·8	002·4
2	000·0	999·4	998·5	997·5	996·4	995·1	994·1	992·9	991·8	990·9	990·1	989·1	988·1	987·7	987·3	986·7	986·6	986·9	987·2	987·9	988·6	989·2	989·5	990·1	991·5
3	990·2	990·8	990·7	990·7	990·2	990·0	990·5	991·0	991·8	992·6	992·8	993·0	993·2	993·5	994·3	995·1	996·2	997·2	998·2	999·5	000·6	001·7	002·4	003·1	994·3
4	003·2	003·4	003·7	004·1	003·8	004·2	004·3	004·5	004·7	004·9	005·0	005·3	005·5	005·9	006·6	007·3	007·7	008·3	008·7	009·4	010·0	010·0	010·4	010·7	006·2
5	010·8	010·9	011·1	011·4	011·7	012·0	012·5	012·7	013·1	013·5	013·6	013·9	014·1	014·3	014·5	014·6	014·8	014·8	014·9	015·2	015·2	015·3	015·1	015·0	013·5
6	014·8	014·7	014·5	014·6	014·6	014·6	014·7	015·0	015·2	015·4	015·6	016·0	016·3	016·6	016·8	017·0	017·2	017·6	018·1	018·4	018·8	019·1	019·3	019·4	016·3
7	019·6	019·7	019·8	020·0	020·1	020·7	020·9	021·1	021·3	021·3	021·1	020·9	020·8	020·7	020·6	020·4	020·2	020·0	020·0	019·9	019·7	019·2	018·7	018·4	020·2
8	018·0	017·7	017·1	016·7	016·1	015·7	015·6	015·1	014·4	014·1	013·8	013·4	013·3	013·1	013·2	012·8	012·6	012·4	012·5	012·6	012·6	012·4	012·3	012·2	014·3
9	012·0	012·1	011·9	011·8	011·7	011·7	011·8	011·7	011·7	012·3	012·3	012·3	012·1	012·0	012·0	011·9	011·6	011·6	011·8	011·9	011·8	011·8	011·7	011·6	011·9
10	011·5	011·5	011·2	011·1	011·3	011·3	011·4	011·4	011·3	011·4	011·3	011·3	011·2	010·9	010·7	010·6	010·7	010·6	010·8	011·0	011·1	011·2	011·1	011·1	011·1
11	010·9	010·7	010·6	010·6	010·8	011·0	010·8	010·7	010·3	010·3	010·3	010·2	009·7	009·4	008·8	008·6	008·1	008·2	008·3	008·0	007·8	007·8	007·4	007·3	009·5
12	007·2	006·7	006·4	006·4	006·4	006·6	007·2	007·2	007·1	007·3	007·5	007·7	007·8	007·5	007·2	007·0	006·9	007·2	007·5	007·7	007·9	008·1	007·9	008·0	007·3
13	008·0	008·0	008·0	007·9	007·8	008·1	008·2	008·5	008·6	008·8	008·8	009·0	008·9	008·9	008·6	008·5	008·3	008·1	008·2	008·3	008·2	008·1	008·2	007·7	008·3
14	007·6	007·3	007·0	006·7	006·5	006·5	006·4	006·9	006·9	007·1	006·9	006·9	006·8	006·8	006·7	006·8	006·5	006·6	006·6	007·1	007·1	007·0	007·2	007·1	006·9
15	007·1	007·0	007·3	007·2	007·4	007·7	007·9	008·1	008·0	008·3	008·3	008·3	008·3	008·5	008·7	008·8	008·9	008·9	008·9	009·4	009·7	009·8	010·0	010·2	008·4
16	010·1	010·1	010·4	010·6	010·6	011·0	011·1	011·1	011·3	011·5	011·5	011·6	011·6	011·5	011·1	011·2	011·1	011·1	011·2	011·5	011·5	011·6	011·7	011·5	011·1
17	011·4	011·1	010·9	011·0	010·4	010·1	009·8	009·5	009·0	008·7	008·2	008·4	007·6	007·6	006·9	006·1	006·3	006·0	006·0	006·4	007·1	007·9	008·7	009·3	008·6
18	009·7	009·8	010·0	010·1	010·3	010·6	010·6	010·2	010·0	009·9	009·5	009·5	009·7	009·6	009·6	009·4	009·3	009·5	009·7	009·8	010·1	010·1	009·6	009·8	009·8
19	009·5	008·9	008·8	008·4	007·9	007·8	007·9	007·8	007·1	007·3	007·1	006·8	006·8	006·8	006·6	006·5	006·2	006·4	006·4	006·5	006·9	007·0	006·9	007·3	007·4
20	007·3	007·2	007·2	007·3	007·1	007·3	007·4	007·4	007·4	007·2	006·8	007·0	006·6	006·5	006·1	006·2	006·0	005·9	006·0	006·4	006·4	006·7	006·7	006·5	006·8
21	006·7	006·8	006·9	007·1	007·4	007·8	008·0	008·5	008·8	009·0	009·2	009·6	009·9	010·3	010·6	011·2	011·6	012·3	013·1	013·8	014·4	015·0	015·4	015·7	010·2
22	015·8	016·1	016·5	016·7	017·1	017·8	018·4	018·9	019·2	019·9	020·3	020·5	020·6	020·7	021·0	020·9	020·9	021·1	021·2	021·2	021·1	020·7	020·4	019·7	019·4
23	019·1	018·2	017·6	016·6	015·9	015·6	015·2	015·2	014·9	014·7	014·1	014·2	013·9	013·8	013·9	014·3	014·3	014·5	014·6	015·0	014·7	015·0	015·2	015·5	015·3
24	015·9	016·0	016·5	016·9	017·3	017·9	018·2	018·7	019·2	019·2	019·2	019·4	019·5	019·4	019·5	019·4	019·3	019·3	019·4	019·8	019·2	018·6	017·9	017·4	018·4
25	016·8	016·7	017·0	018·2	019·0	020·1	020·8	022·0	022·7	023·7	024·3	024·6	024·8	024·9	025·1	025·7	026·3	027·0	027·5	027·7	027·7	028·0	027·8	027·8	023·4
26	027·5	027·4	027·2	027·1	027·0	027·2	027·1	027·0	026·9	026·8	026·5	026·3	026·0	025·5	025·1	025·0	024·7	024·4	024·1	024·3	024·3	024·3	024·2	024·2	025·9
27	024·1	024·0	023·7	023·5	023·7	023·6	023·7	023·8	023·6	023·5	023·3	023·3	023·3	023·2	022·8	022·8	022·7	022·4	022·7	022·7	022·5	022·4	022·3	022·1	023·2
28	021·9	021·7	021·7	021·7	021·8	021·8	021·8	021·9	022·0	022·0	021·9	021·8	021·7	021·4	021·0	020·8	020·7	020·6	020·6	020·9	021·1	021·1	021·0	021·0	021·4
29	020·8	020·7	020·7	020·7	020·5	020·8	020·9	020·8	020·4	020·2	020·1	020·1	019·4	018·8	018·2	017·6	016·8	016·3	016·1	015·8	015·3	014·6	014·6	014·0	018·6
30	013·8	013·4	012·6	012·7	012·4	012·8	012·7	013·3	013·6	013·6	013·5	013·0	013·2	013·4	013·3	013·0	012·9	012·9	013·1	013·2	013·1	013·5	013·3	013·8	013·2
31	014·2	014·1	013·7	014·3	014·0	014·3	014·2	014·2	014·3	014·5	014·2	014·4	014·0	013·9	013·8	013·6	013·7	013·6	014·3	014·7	014·8	015·3	014·9	015·5	014·2
Mean (Station Level)	1011 ·87	1011 ·76	1011 ·67	1011 ·68	1011 ·61	1011 ·75	1011 ·82	1011 ·92	1011 ·91	1012 ·01	1011 ·92	1011 ·95	1011 ·85	1011 ·80	1011 ·72	1011 ·69	1011 ·67	1011 ·75	1011 ·94	1012 ·21	1012 ·31	1012 ·40	1012 ·36	1012 ·38	1011 ·91
Mean (Sea Level)	1015 ·02	1014 ·92	1014 ·83	1014 ·84	1014 ·77	1014 ·91	1014 ·97	1015 ·06	1015 ·04	1015 ·14	1015 ·04	1015 ·06	1014 ·95	1014 ·91	1014 ·83	1014 ·79	1014 ·78	1014 ·87	1015 ·06	1015 ·34	1015 ·45	1015 ·55	1015 ·51	1015 ·53	1015 ·04

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

77 ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres · SEPTEMBER, 1936

Hour G. M. T. / Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	015·8	016·0	015·9	015·9	016·0	016·3	016·7	016·9	016·9	017·1	017·0	017·0	016·9	017·0	016·8	016·8	016·8	016·7	016·3	016·1	015·8	015·5	015·6	015·4	014·9	016·3
2	014·2	013·6	013·1	012·5	012·2	011·9	011·4	011·2	011·0	011·0	010·9	010·8	010·6	010·4	010·1	009·5	009·0	008·7	008·5	008·5	008·3	007·8	007·4	007·0	010·6
3	006·4	006·0	005·4	004·8	004·3	004·2	003·8	003·7	003·3	003·2	002·3	002·2	002·1	001·5	001·3	000·6	000·1	999·7	999·7	999·0	998·7	998·7	998·1	997·6	002·1
4	997·2	996·5	995·8	995·1	994·5	994·3	993·7	993·5	993·4	993·2	992·9	992·3	992·0	991·6	991·2	991·2	990·9	990·8	990·7	990·7	990·5	990·2	989·9	989·8	992·7
5	989·4	989·0	988·5	988·5	988·4	988·3	988·5	988·7	988·8	988·9	989·3	989·2	989·1	989·0	989·0	989·0	989·2	989·4	989·7	990·1	990·3	990·4	990·8	991·1	989·2
6	991·4	991·5	991·9	992·4	992·8	993·0	993·6	994·1	994·2	994·3	994·4	994·6	994·6	995·0	994·6	994·6	994·2	993·9	993·4	992·5	992·0	990·9	990·0	988·9	993·1
7	987·9	986·8	985·0	983·1	982·1	981·0	980·5	980·1	980·2	980·6	980·7	981·1	981·4	981·7	981·9	981·9	981·9	982·3	982·8	982·8	983·3	984·0	984·0	984·2	982·7
8	984·3	985·8	987·4	989·4	991·1	993·0	994·5	995·9	997·3	998·7	999·9	000·8	001·5	002·4	003·2	003·9	004·3	005·2	005·9	006·5	006·8	007·4	007·8	008·1	998·7
9	008·2	008·2	008·3	008·5	008·8	009·1	009·5	009·8	010·2	010·3	010·2	010·4	010·4	010·2	010·0	010·1	010·1	010·3	010·4	010·7	010·7	010·8	010·7	010·9	009·8
10	010·7	010·9	011·0	011·1	011·1	011·2	011·4	011·7	011·9	012·0	012·2	012·5	012·8	012·7	012·7	012·5	012·5	012·8	012·9	013·4	013·7	013·5	013·4	013·5	012·2
11	013·4	013·2	013·2	013·1	013·1	013·1	013·1	013·3	013·1	013·4	013·5	013·4	013·3	013·1	012·8	012·6	012·5	012·2	012·1	011·9	011·5	011·3	011·2	010·8	012·7
12	010·5	009·7	009·3	009·0	008·8	008·6	008·6	008·1	008·3	008·4	008·4	008·3	008·2	007·8	007·9	007·9	007·8	007·8	007·7	008·2	008·7	009·3	009·9	010·5	008·7
13	010·8	011·1	011·6	011·7	012·0	012·5	012·9	013·2	013·6	013·7	013·9	014·1	014·2	014·2	014·0	014·1	014·0	014·1	014·5	014·8	014·9	014·8	014·8	014·8	013·4
14	014·7	014·5	014·5	014·4	014·6	014·7	015·0	015·4	015·7	015·9	016·1	016·2	016·6	016·5	016·6	017·0	017·4	018·1	018·6	019·0	019·2	019·5	019·7	019·9	016·8
15	020·2	020·5	020·7	021·2	021·6	021·9	022·6	023·0	023·5	023·7	024·0	024·3	024·6	024·9	025·1	025·4	026·1	026·6	026·9	027·2	027·8	028·2	028·8	028·7	024·3
16	028·9	029·1	029·2	029·3	029·6	030·0	030·3	030·8	030·7	030·8	030·8	030·9	030·8	030·7	030·5	030·4	030·7	030·8	031·1	031·2	031·3	031·1	030·9	030·6	030·4
17	030·3	030·1	029·8	029·3	029·1	028·9	029·0	028·9	028·9	028·4	027·6	027·2	026·9	026·4	026·0	025·9	025·5	025·5	025·7	025·6	025·1	024·6	024·1	023·8	027·3
18	023·4	023·0	022·4	021·8	021·5	021·2	021·4	021·1	020·5	019·9	020·0	020·2	019·7	019·5	019·5	018·9	019·0	019·3	019·4	020·1	020·0	020·1	020·2	020·2	020·6
19	020·6	020·5	020·7	021·0	021·4	021·9	022·6	023·0	023·6	023·8	023·8	023·8	024·0	024·0	024·0	024·2	024·4	024·5	024·9	025·3	025·3	025·6	025·5	025·4	023·4
20	025·3	025·2	025·1	025·2	025·2	025·3	025·5	025·9	025·8	025·7	025·5	025·3	025·1	024·9	024·3	023·9	023·5	023·4	023·3	023·1	022·9	022·4	021·9	021·4	024·5
21	021·1	020·7	020·3	019·8	019·3	019·2	019·0	018·8	018·8	018·8	018·7	018·7	018·2	018·0	018·0	018·1	018·0	018·2	018·5	019·0	019·3	019·7	019·7	019·9	019·1
22	019·8	019·9	019·9	019·9	019·8	019·9	019·9	020·2	020·4	020·4	020·2	020·1	020·2	021·3	021·8	022·7	023·1	023·5	024·1	024·5	024·4	024·7	024·8	025·0	021·6
23	024·8	024·7	024·4	024·2	023·9	023·8	023·5	023·5	023·4	023·4	023·0	022·4	021·8	021·0	020·5	019·8	019·4	019·2	019·0	018·9	018·5	017·8	017·5	016·6	021·6
24	016·1	015·7	015·1	014·5	014·0	013·7	013·2	012·9	012·7	012·5	012·0	011·6	010·8	010·2	009·5	009·0	008·6	008·4	008·3	008·0	007·8	007·7	007·7	007·4	011·3
25	007·2	007·1	007·0	007·3	007·8	008·7	009·6	010·5	011·4	012·3	013·2	014·0	014·7	015·2	015·8	016·2	016·7	017·3	018·0	018·5	019·0	019·5	019·9	019·9	013·4
26	019·9	019·8	019·7	019·8	019·9	019·9	020·3	020·8	020·3	020·1	020·0	019·8	019·4	018·7	018·1	017·0	016·1	015·7	014·8	013·5	012·2	010·9	009·2	007·1	017·5
27	005·7	004·4	004·1	004·1	004·1	004·1	004·2	004·4	005·5	006·7	008·0	009·4	010·4	011·1	011·8	012·8	013·7	014·3	015·3	016·0	016·8	017·5	018·1	018·5	009·8
28	018·9	019·5	019·9	020·0	020·5	021·3	021·9	022·2	022·6	022·9	023·2	023·2	023·2	023·1	022·9	022·9	023·1	023·3	023·3	023·3	023·6	023·4	023·4	023·3	022·2
29	023·3	022·9	022·7	022·5	022·4	022·3	022·6	022·8	023·1	022·8	022·8	022·7	022·7	022·6	022·5	022·8	022·8	023·2	023·5	023·7	023·8	023·7	023·7	023·6	023·0
30	023·5	023·3	023·1	023·1	023·0	023·0	023·0	023·1	023·4	023·2	022·9	022·9	022·8	022·8	022·4	022·5	022·6	022·8	023·0	023·1	023·1	023·0	022·8	022·7	023·0
Mean (Station Level)	1012 ·80	1012 ·64	1012 ·50	1012 ·42	1012 ·43	1012 ·54	1012 ·73	1012 ·92	1013 ·08	1013 ·20	1013 ·25	1013 ·31	1013 ·30	1013 ·25	1013 ·16	1013 ·14	1013 ·13	1013 ·25	1013 ·40	1013 ·50	1013 ·50	1013 ·47	1013 ·38	1013 ·20	1013 ·06
Mean (Sea Level)	1015 ·97	1015 ·81	1015 ·67	1015 ·59	1015 ·60	1015 ·72	1015 ·90	1016 ·08	1016 ·24	1016 ·35	1016 ·39	1016 ·46	1016 ·44	1016 ·40	1016 ·31	1016 ·29	1016 ·28	1016 ·41	1016 ·56	1016 ·66	1016 ·67	1016 ·64	1016 ·55	1016 ·37	1016 ·22

78 ABERDEEN: H_b = 26·0 metres OCTOBER, 1936

Hour G. M. T. / Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	022·6	022·4	022·3	022·2	022·2	022·4	022·4	022·7	022·8	023·1	022·9	023·0	022·7	022·7	022·6	022·6	022·8	023·0	023·3	023·3	023·4	024·0	023·9	023·8	022·9
2	023·7	023·7	023·5	023·5	023·3	023·4	023·6	023·9	024·0	024·0	024·0	024·0	023·6	023·4	023·1	023·0	023·1	023·2	023·4	023·4	023·3	023·2	023·1	022·9	023·5
3	022·8	022·2	021·7	021·5	021·2	021·3	021·2	021·0	020·9	021·0	020·8	020·5	019·9	019·4	018·9	018·7	018·5	018·4	018·5	018·3	018·2	017·8	017·7	017·5	020·0
4	017·4	017·3	017·1	017·0	016·7	016·9	017·1	017·2	017·3	017·5	017·5	017·5	017·3	017·2	017·1	016·9	016·9	017·0	017·2	017·2	017·2	017·3	017·4	017·6	017·2
5	017·8	017·8	017·9	018·1	018·0	018·1	018·6	019·2	019·5	020·0	020·1	020·5	020·5	020·8	020·8	020·9	021·0	021·3	021·6	021·8	022·1	022·1	022·1	022·2	020·0
6	022·4	022·5	022·4	022·3	022·1	022·7	022·9	023·1	023·3	023·5	023·5	023·6	023·8	023·8	023·7	023·8	023·8	024·1	024·3	024·3	024·3	024·3	024·3	024·4	023·4
7	024·3	024·1	023·9	023·8	023·7	023·8	023·8	024·0	024·0	024·0	023·6	023·5	023·2	023·1	022·9	023·0	023·0	023·2	023·5	023·5	023·5	023·4	023·4	023·3	023·6
8	023·1	022·8	022·8	022·7	022·8	022·8	022·9	023·3	023·3	023·3	023·3	023·1	022·9	022·8	022·6	022·5	022·7	023·0	023·3	023·4	023·4	023·6	023·6	023·7	023·1
9	023·6	023·5	023·4	023·5	023·7	023·8	024·3	024·6	024·6	024·8	024·5	024·3	024·2	024·0	023·8	023·8	024·2	024·6	024·6	024·6	024·8	024·5	024·4	024·5	024·2
10	024·4	024·4	024·2	024·1	024·2	024·3	024·5	024·9	024·7	024·6	024·5	024·4	023·9	023·7	023·5	023·4	023·4	023·5	023·2	023·0	022·9	022·8	022·7	022·4	023·9
11	022·2	021·7	021·3	020·8	020·8	021·0	021·0	021·3	021·6	021·9	021·6	021·4	021·2	021·2	021·0	021·3	021·2	021·6	021·8	021·7	021·6	021·7	021·3	021·1	021·4
12	020·7	020·1	019·7	019·4	018·9	018·7	018·4	018·1	017·3	016·9	015·9	014·8	013·4	011·9	010·9	009·9	009·1	009·7	010·0	009·9	009·8	010·1	011·0	011·8	014·6
13	012·0	012·6	012·8	013·0	013·3	013·5	014·1	014·6	014·5	014·7	014·6	014·5	014·2	014·1	014·2	013·8	013·1	013·1	012·2	011·7	010·7	009·8	008·8	007·6	012·9
14	006·7	005·5	004·5	003·6	003·1	002·9	003·0	003·1	003·2	003·6	004·3	004·6	004·7	004·8	005·1	005·3	005·3	005·7	005·4	004·9	004·6	003·7	002·2	001·8	004·4
15	001·3	000·8	000·7	000·3	000·5	000·9	001·3	001·7	001·9	002·4	002·3	002·4	002·4	002·4	002·3	002·2	002·2	002·4	002·8	003·1	003·0	002·8	003·0	002·9	002·0
16	002·6	002·3	001·8	002·0	002·2	002·6	002·4	002·7	003·0	003·6	003·7	004·4	004·8	005·2	005·5	006·2	006·7	007·2	007·2	007·0	006·2	005·6	004·3	002·9	004·3
17	001·1	998·6	996·3	994·3	993·0	991·8	990·7	990·5	990·3	991·0	990·8	990·5	990·7	990·4	990·1	989·6	989·3	989·5	988·1	987·5	986·8	985·9	985·8	985·1	990·9
18	985·4	986·9	989·2	991·0	993·0	994·9	997·2	999·1	000·9	002·3	003·8	004·5	005·6	006·2	006·6	006·9	007·4	007·5	007·3	007·1	006·6	005·5	004·3	003·1	000·6
19	001·8	000·2	998·7	997·7	996·7	996·5	996·6	997·5	998·3	999·8	000·7	001·8	002·4	003·1	004·1	004·5	005·0	006·5	006·8	007·3	007·5	008·4	009·5	010·6	002·4
20	011·2	011·9	012·1	012·2	012·8	013·4	014·2	015·0	015·4	015·7	015·8	015·8	015·5	015·0	014·4	013·8	013·2	012·3	011·7	011·7	011·3	011·0	010·7	010·4	013·2
21	010·3	009·7	009·3	009·1	008·7	008·8	008·9	009·5	009·6	009·5	009·0	009·0	009·2	009·4	009·2	009·0	009·2	009·5	010·2	010·3	010·8	011·4	011·5	011·3	009·7
22	011·3	011·1	011·1	011·3	011·6	012·0	012·3	012·9	013·1	013·4	013·1	013·1	012·8	012·9	012·8	012·9	013·1	013·0	012·9	012·8	012·6	012·4	011·7	011·1	012·4
23	010·4	009·9	009·0	007·7	007·0	006·7	006·2	006·1	005·6	005·4	004·6	004·5	003·8	004·2	004·7	005·1	005·0	005·6	006·2	006·1	006·0	005·8	005·7	005·4	006·2
24	004·9	004·5	003·8	003·3	003·2	003·1	002·7	002·8	002·0	001·2	999·6	998·3	996·1	993·7	991·7	988·8	987·0	985·8	984·6	982·9	982·3	981·1	979·7	979·8	994·8
25	979·1	979·3	979·4	979·6	979·8	979·9	981·2	981·5	982·1	983·2	983·6	983·7	984·0	984·2	984·2	984·5	985·1	985·6	986·5	987·2	988·0	988·5	988·5	988·8	983·5
26	989·0	988·8	988·6	988·9	989·1	989·1	989·1	989·0	988·6	987·7	986·4	984·8	983·0	981·2	978·6	975·7	972·4	969·5	968·2	966·5	962·9	959·7	958·6	959·3	979·6
27	962·1	964·8	966·8	969·5	970·4	973·2	976·2	978·8	980·2	982·2	983·0	984·0	984·3	984·9	985·0	985·4	986·0	986·4	986·6	987·6	989·3	990·7	992·0	993·7	980·2
28	994·8	996·5	997·4	998·7	000·4	001·8	003·3	004·7	006·2	007·8	009·1	010·0	011·5	012·0	013·9	015·5	016·2	017·0	017·7	017·8	018·0	018·3	018·0	018·0	008·9
29	017·6	016·8	015·8	015·2	014·1	013·4	012·8	012·5	011·9	012·0	010·9	010·4	009·5	009·1	009·1	009·5	009·9	010·1	010·1	010·6	011·5	012·6	012·8	013·1	012·2
30	013·7	014·4	014·1	014·3	014·6	014·7	014·6	014·6	014·6	014·4	014·1	013·9	013·5	013·4	013·1	013·1	013·4	013·9	014·5	014·7	015·0	015·6	015·9	016·0	014·3
31	016·1	016·0	016·1	016·3	016·4	016·5	017·1	017·7	017·9	018·2	018·1	018·0	017·9	017·9	017·9	018·0	018·2	018·4	018·5	018·3	018·3	018·4	018·1	017·8	017·5
Mean (Station Level)	1009 ·56	1009 ·45	1009 ·28	1009 ·25	1009 ·27	1009 ·51	1009 ·83	1010 ·25	1010 ·41	1010 ·73	1010 ·64	1010 ·60	1010 ·40	1010 ·26	1010 ·11	1009 ·99	1009 ·92	1010 ·05	1010 ·07	1009 ·98	1009 ·86	1009 ·74	1009 ·55	1009 ·48	1009 ·93
Mean (Sea Level)	1012 ·77	1012 ·66	1012 ·49	1012 ·46	1012 ·48	1012 ·72	1013 ·03	1013 ·45	1013 ·60	1013 ·92	1013 ·81	1013 ·78	1013 ·57	1013 ·43	1013 ·28	1013 ·16	1013 ·10	1013 ·24	1013 ·26	1013 ·18	1013 ·06	1012 ·94	1012 ·75	1012 ·68	1013 ·12
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

79 ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres — NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	017·2	016·8	016·3	015·9	015·5	015·3	014·1	013·0	012·3	011·5	010·1	008·9	007·4	006·3	005·4	005·2	005·0	005·2	005·5	005·8	006·3	006·9	007·7	009·6	010·3
2	011·4	012·3	013·0	013·8	014·3	014·9	015·8	016·1	015·9	015·9	015·7	014·9	013·8	013·0	012·0	010·1	009·1	007·5	005·5	004·5	004·2	004·1	004·1	004·1	011·2
3	004·4	004·0	003·8	004·0	004·0	004·2	004·2	004·3	004·3	004·3	004·4	004·2	003·9	003·9	003·9	003·9	004·0	004·1	003·8	003·5	003·2	002·9	002·4	002·1	003·9
4	001·7	001·2	000·8	000·8	001·3	001·5	002·1	002·9	003·1	003·4	003·5	003·2	003·2	002·7	002·2	002·1	001·5	001·4	000·7	000·2	999·6	998·8	997·7	997·5	001·5
5	997·0	996·7	996·3	995·4	994·9	993·9	993·7	993·2	992·2	991·1	989·5	988·4	986·9	986·2	985·0	983·9	983·2	982·3	981·1	980·9	981·1	981·6	982·0	982·7	988·6
6	983·3	984·0	984·1	984·4	984·5	984·7	985·2	985·6	985·6	985·4	984·8	984·2	983·5	983·1	982·4	982·0	981·7	981·6	981·1	980·9	980·4	979·5	978·7	977·8	983·0
7	976·8	975·4	974·1	973·1	972·3	970·9	970·0	970·2	970·4	971·0	970·7	970·3	969·9	969·7	969·0	968·8	968·4	968·1	967·9	967·5	966·9	965·9	964·8	964·1	970·1
8	963·9	964·3	964·7	965·0	965·2	965·5	965·8	966·7	966·9	967·7	967·9	967·9	968·4	968·7	968·8	969·0	969·3	969·5	970·1	971·0	971·5	971·8	972·3	972·6	967·9
9	972·9	973·6	973·8	974·2	974·3	974·7	975·2	975·9	976·4	976·8	977·2	977·5	978·0	978·4	979·0	979·5	980·2	980·9	981·7	982·3	982·9	983·3	983·8	984·2	978·0
10	984·5	984·9	985·0	985·2	985·6	985·7	986·2	987·0	987·4	987·7	987·8	988·0	988·1	988·2	988·5	988·9	989·5	990·0	990·6	990·9	991·3	991·8	992·1	992·6	988·1
11	992·7	993·2	993·4	993·6	993·6	993·5	993·5	993·8	993·9	994·3	994·1	994·2	993·9	993·5	993·5	993·1	993·0	993·0	992·6	991·9	991·7	991·4	991·3	991·3	993·1
12	991·2	991·1	991·1	991·3	991·4	991·7	992·0	993·1	993·6	994·6	995·1	995·5	996·2	996·9	997·7	998·8	999·9	000·9	001·7	002·6	003·5	004·5	005·6	006·5	996·6
13	007·8	008·1	008·3	008·8	009·5	010·3	010·9	011·9	012·0	012·3	012·7	012·9	012·7	012·6	012·9	013·1	013·0	013·2	013·1	013·0	012·9	012·6	012·3	011·7	011·5
14	010·6	010·1	009·3	008·6	007·9	007·2	006·7	006·5	006·2	006·0	005·6	005·2	004·8	004·9	004·8	005·1	005·5	005·9	006·6	007·0	007·6	008·2	008·8	009·4	007·1
15	009·3	009·1	008·6	008·5	008·0	007·0	005·3	004·0	001·6	000·0	998·8	997·4	997·2	998·5	998·1	998·0	998·2	998·3	997·5	996·5	995·3	994·1	992·8	992·5	001·0
16	992·7	993·1	994·3	996·1	997·5	998·9	000·0	001·8	002·2	003·6	003·9	004·2	004·7	004·8	005·0	005·1	005·6	006·0	006·0	006·2	006·3	006·2	006·2	006·1	002·1
17	005·8	005·8	005·6	005·6	005·5	005·7	005·9	005·8	006·0	006·3	006·3	006·6	007·0	007·6	008·1	009·2	010·0	011·0	011·7	012·3	013·0	014·1	014·9	015·7	008·4
18	016·5	017·1	017·5	018·0	018·5	019·0	019·7	020·8	021·9	022·3	022·1	022·3	022·5	022·4	022·8	023·4	023·8	023·9	023·8	024·0	024·2	023·9	023·7	023·7	021·4
19	023·6	023·4	023·1	023·0	023·0	023·1	023·1	023·2	022·9	023·4	023·2	023·6	023·4	023·1	022·8	023·1	023·3	023·8	023·9	024·3	024·7	025·3	025·2	025·2	023·6
20	025·0	025·1	025·3	024·6	025·0	025·2	025·2	025·7	025·9	026·7	027·0	026·9	026·4	026·4	026·8	026·9	027·3	027·9	028·1	028·1	028·3	028·5	028·3	028·6	026·6
21	028·4	028·1	028·2	027·7	027·2	027·1	026·8	026·9	026·7	026·4	026·1	025·5	025·0	024·7	024·3	024·3	024·3	024·8	024·9	025·0	025·3	025·1	025·1	024·8	026·0
22	024·6	024·3	024·0	023·9	023·9	024·0	024·4	024·4	024·7	024·7	024·6	024·7	024·5	024·3	024·1	024·2	024·2	024·1	024·0	023·9	023·7	023·1	022·8	022·3	024·1
23	022·3	021·8	021·0	020·6	020·0	019·7	019·5	019·2	018·9	018·5	017·9	017·3	016·9	015·9	015·4	015·5	015·1	014·4	014·0	013·6	013·5	013·1	012·7	012·3	017·3
24	012·1	012·0	011·6	011·5	011·7	011·7	012·1	012·5	012·9	013·5	013·2	013·3	013·3	013·3	013·6	013·8	014·4	015·0	015·7	016·0	016·4	016·4	016·7	016·9	013·6
25	016·9	017·3	017·4	017·5	017·5	017·8	018·1	018·5	019·0	019·4	019·2	019·2	019·1	019·1	019·1	019·3	019·5	019·6	019·7	019·6	019·6	019·5	019·4	019·3	018·7
26	019·1	018·8	018·2	018·3	017·9	017·7	017·6	017·5	017·6	017·4	017·0	016·7	016·1	015·9	015·7	015·5	015·7	015·8	015·9	015·9	015·9	015·8	015·8	015·8	016·9
27	015·8	015·6	015·5	015·5	015·3	015·2	015·2	015·3	015·2	015·3	015·1	015·0	014·6	014·5	014·2	014·2	014·3	014·5	015·1	015·4	015·8	016·3	016·7	017·2	015·3
28	017·5	017·8	018·3	019·1	019·4	019·7	020·2	021·1	021·0	021·0	020·8	021·2	020·6	020·4	019·7	018·5	018·6	018·1	017·3	015·9	015·5	013·6	011·9	010·2	018·4
29	009·3	007·3	005·7	004·0	002·9	002·7	002·9	002·8	003·3	003·5	003·3	003·4	003·5	003·3	003·5	003·5	003·6	003·0	002·4	001·3	000·2	998·0	997·9	996·9	003·1
30	996·8	995·8	995·6	995·1	995·3	995·6	995·6	995·9	995·8	995·4	995·0	994·0	994·0	993·9	993·7	993·8	993·7	994·4	994·5	994·9	995·4	995·7	996·9	997·1	995·2
Mean (Station Level)	1005 ·04	1004 ·94	1004 ·80	1004 ·77	1004 ·76	1004 ·80	1004 ·90	1005 ·19	1005 ·19	1005 ·31	1005 ·09	1004 ·89	1004 ·65	1004 ·54	1004 ·40	1004 ·39	1004 ·50	1004 ·61	1004 ·55	1004 ·50	1004 ·54	1004 ·40	1004 ·35	1004 ·36	1004 ·74
Mean (Sea Level)	1008 ·26	1008 ·16	1008 ·02	1007 ·99	1007 ·99	1008 ·03	1008 ·13	1008 ·42	1008 ·42	1008 ·53	1008 ·29	1008 ·08	1007 ·84	1007 ·73	1007 ·60	1007 ·60	1007 ·71	1007 ·82	1007 ·78	1007 ·71	1007 ·78	1007 ·82	1007 ·57	1007 ·58	1007 ·96

Station Level

80 ABERDEEN: H_b = 26·0 metres — DECEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	997·7	998·7	999·3	000·2	000·9	001·5	002·5	003·5	004·0	003·6	003·2	002·9	002·9	002·6	002·8	002·9	003·1	002·8	002·6	002·2	001·8	001·0	000·9	000·2	001·8
2	999·6	999·4	998·6	997·9	997·6	997·3	997·4	997·8	997·7	998·5	998·4	998·8	998·7	999·4	999·9	000·1	000·7	001·5	002·2	002·8	002·9	003·4	003·4	003·4	999·8
3	003·5	003·7	003·5	003·2	003·0	002·8	002·4	002·1	001·5	000·7	999·3	997·8	996·0	994·6	993·3	992·4	991·4	988·6	987·4	984·5	982·8	981·1	979·7	978·5	995·3
4	977·4	974·6	972·0	971·7	973·0	975·8	978·3	984·9	988·4	991·8	993·3	995·4	997·4	998·8	000·1	001·8	002·9	003·3	003·3	003·4	003·3	003·2	002·3	001·2	991·1
5	000·0	998·4	997·0	995·1	993·8	993·0	992·4	992·2	991·7	991·7	991·0	990·0	989·5	989·0	988·9	989·0	988·7	988·6	988·9	989·2	989·4	989·6	989·5	990·2	991·8
6	991·1	992·0	993·2	994·5	995·8	997·1	997·9	999·4	000·9	002·5	003·4	004·8	006·2	008·0	009·5	011·1	013·4	015·1	016·9	017·7	019·5	020·2	021·6	021·7	005·7
7	022·2	022·7	023·1	023·5	023·5	023·4	023·8	024·1	024·4	024·4	024·5	024·2	023·8	023·0	022·4	021·2	020·4	019·0	018·3	017·0	016·0	014·3	013·1	011·8	021·2
8	011·2	009·8	009·1	010·3	010·7	011·3	012·0	012·8	013·8	014·8	014·5	014·9	015·3	016·0	016·6	016·4	017·4	017·9	018·4	018·9	019·5	020·1	020·2	021·1	014·9
9	021·2	021·9	022·5	022·3	022·3	022·4	022·7	023·4	023·2	023·6	023·6	023·3	022·6	022·1	021·7	021·5	020·9	020·6	020·0	019·5	019·1	018·9	019·0	018·2	021·6
10	018·2	018·1	017·8	017·3	017·1	017·1	017·0	017·2	017·2	017·1	016·8	016·6	016·1	015·8	015·3	014·6	014·4	014·1	013·7	013·7	013·8	013·5	012·7	012·0	015·8
11	011·2	010·4	010·1	009·2	008·4	007·8	007·1	006·6	005·9	005·4	004·1	002·5	001·3	000·6	000·1	000·2	000·4	000·6	001·0	001·5	001·7	002·0	002·0	002·1	004·5
12	001·8	001·7	001·5	001·3	001·2	001·4	001·4	001·5	002·0	002·3	002·5	002·1	001·9	001·3	001·3	001·5	001·5	001·2	001·0	000·9	000·7	000·3	000·2	999·7	001·4
13	999·2	998·9	999·0	998·9	998·8	998·5	998·3	998·0	997·7	997·3	996·5	995·5	994·0	992·3	990·7	988·5	986·3	984·5	982·6	979·4	977·2	973·9	971·5	968·7	990·9
14	966·4	963·3	961·5	960·8	960·9	961·3	961·8	962·7	964·3	965·6	966·4	967·1	968·0	968·5	969·6	970·7	971·4	971·9	972·6	973·1	973·3	974·2	974·9	976·0	967·3
15	977·3	978·8	980·1	981·5	983·0	984·7	985·7	986·8	987·9	989·0	989·3	989·4	989·2	988·9	988·8	988·9	988·4	987·7	986·4	984·4	982·3	980·1	977·0	975·2	984·6
16	972·6	970·5	969·1	967·7	966·8	966·1	966·5	967·5	969·6	970·8	971·7	973·0	973·6	974·4	975·9	976·7	977·5	979·0	979·3	981·0	982·2	983·4	984·9	986·7	974·2
17	987·3	988·5	989·8	990·1	990·5	991·1	991·0	991·8	991·0	989·6	987·3	986·3	984·3	981·4	979·3	979·5	978·3	978·0	977·2	976·5	977·3	977·9	978·1	979·5	984·4
18	980·4	982·1	983·1	984·8	985·9	986·6	987·1	987·0	987·1	987·3	988·0	988·0	987·3	988·3	989·1	989·4	989·4	990·4	992·9	995·0	996·3	997·8	998·4	999·2	988·8
19	000·0	000·4	001·6	002·8	003·5	004·4	005·3	006·1	007·0	007·8	008·6	008·9	008·9	008·7	007·7	006·5	005·3	004·3	003·3	002·7	001·3	001·0	999·0	999·7	004·4
20	998·9	999·5	998·5	997·6	996·8	996·4	995·8	995·8	996·4	996·9	996·9	996·7	996·6	996·7	996·9	997·6	998·2	999·1	000·0	000·7	001·4	002·2	002·7	002·8	998·3
21	003·1	004·1	004·3	004·4	004·9	005·2	006·0	006·6	006·8	007·3	007·4	007·0	007·3	007·2	007·0	006·9	006·9	006·7	006·9	006·9	007·0	007·1	007·4	007·3	006·2
22	006·1	008·4	008·7	008·8	008·9	009·0	009·8	010·5	011·0	012·4	012·7	013·1	013·6	014·3	014·7	015·4	016·0	016·7	017·3	018·3	019·1	020·1	021·2	022·4	013·5
23	023·2	024·8	025·6	025·6	026·7	027·2	027·4	027·5	027·6	027·9	027·3	026·2	025·3	024·6	023·8	023·6	023·4	023·4	022·6	022·6	022·1	021·9	020·7	020·4	024·7
24	019·8	019·1	019·3	019·4	019·2	018·9	018·6	018·1	018·7	019·2	019·2	019·0	019·2	019·6	019·9	020·3	020·5	020·5	020·5	020·4	020·2	020·0	020·0	020·4	019·6
25	020·9	021·9	022·7	023·7	024·8	025·5	026·0	026·6	027·5	028·2	029·0	029·4	029·6	029·6	029·8	030·1	030·2	030·3	030·3	030·2	030·0	030·0	029·6	029·4	027·5
26	028·9	028·8	028·3	028·3	027·8	027·6	027·4	027·7	028·0	028·3	027·9	027·6	027·3	027·2	027·3	027·4	027·2	027·1	027·1	027·2	027·1	027·1	026·9	026·7	027·6
27	026·6	026·5	026·3	025·8	025·5	025·4	025·1	025·3	025·3	025·4	025·3	025·0	024·3	023·9	023·8	023·4	023·1	022·8	022·2	022·0	021·6	021·1	020·6	020·0	024·2
28	019·1	018·8	018·3	017·9	017·3	016·9	016·3	016·0	015·9	015·8	015·3	014·7	013·9	013·7	012·9	012·5	012·1	011·7	011·1	010·7	010·2	009·5	008·7	007·7	014·3
29	006·9	006·2	005·7	004·9	004·0	003·4	002·8	002·4	002·3	002·5	002·1	001·6	001·2	000·8	001·3	001·7	002·0	002·9	003·9	005·5	006·8	007·4	007·7	007·9	003·9
30	008·6	008·9	009·1	009·0	009·1	009·5	009·6	009·0	009·0	008·7	008·2	007·7	007·8	007·2	007·2	006·7	006·5	006·4	006·0	005·0	005·6	005·4	005·1	004·3	007·6
31	003·1	002·3	001·4	999·6	999·8	000·0	000·3	000·3	001·6	002·0	001·8	001·6	002·0	001·8	001·7	001·3	001·0	000·7	001·0	000·7	000·4	999·6	999·5	999·1	001·1
Mean (Station Level)	1003 ·40	1003 ·33	1003 ·22	1003 ·16	1003 ·27	1003 ·50	1003 ·73	1004 ·23	1004 ·69	1005 ·11	1005 ·03	1004 ·87	1004 ·70	1004 ·53	1004 ·49	1004 ·51	1004 ·48	1004 ·43	1004 ·42	1004 ·31	1004 ·26	1004 ·11	1003 ·82	1003 ·68	1004 ·14
Mean (Sea Level)	1006 ·62	1006 ·55	1006 ·44	1006 ·38	1006 ·49	1006 ·72	1006 ·95	1007 ·46	1007 ·92	1008 ·34	1008 ·25	1008 ·09	1007 ·91	1007 ·74	1007 ·71	1007 ·73	1007 ·70	1007 ·65	1007 ·63	1007 ·53	1007 ·48	1007 ·32	1007 ·04	1006 ·89	1007 ·36
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

Station Level

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE AT STATION LEVEL AND AT SEA LEVEL
ANNUAL MEANS FROM HOURLY VALUES
From readings in millibars at exact hours, Greenwich Mean Time

81 ABERDEEN: H_b = 26·0 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Station Level	mb 007·38	mb 007·27	mb 007·13	mb 007·07	mb 007·07	mb 007·17	mb 007·30	mb 007·53	mb 007·67	mb 007·82	mb 007·78	mb 007·73	mb 007·61	mb 007·50	mb 007·41	mb 007·38	mb 007·38	mb 007·47	mb 007·55	mb 007·62	mb 007·67	mb 007·67	mb 007·60	mb 007·54	mb 007·47
Sea Level	010·58	010·48	010·33	010·28	010·27	010·38	010·50	010·73	010·86	011·00	010·95	010·90	010·78	010·67	010·58	010·56	010·56	010·65	010·73	010·81	010·87	010·87	010·80	010·74	010·66

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

82 ABERDEEN: H_b = 26·0 metres 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
Jan.	992·23	−0·34	−0·34	−0·33	−0·35	−0·36	−0·31	−0·21	+0·07	+0·41	+0·64	+0·70	+0·59	+0·37	+0·12	+0·11	+0·17	+0·15	+0·06	−0·03	−0·13	−0·21	−0·26	−0·27	−0·27
Feb.	1008·19	+0·15	+0·04	−0·12	−0·28	−0·25	−0·28	−0·19	+0·04	+0·20	+0·31	+0·35	+0·23	+0·06	−0·09	−0·20	−0·26	−0·21	−0·05	+0·01	+0·03	+0·08	+0·14	+0·15	+0·17
Mar.	1006·96	+0·16	−0·02	−0·33	−0·45	−0·51	−0·45	−0·29	−0·07	+0·10	+0·23	+0·27	+0·19	+0·07	−0·08	−0·17	−0·27	−0·22	−0·01	+0·16	+0·28	+0·30	+0·40	+0·37	+0·32
Apr.	1012·14	−0·05	−0·12	−0·19	−0·23	−0·24	−0·09	−0·06	+0·09	+0·16	+0·25	+0·17	+0·09	+0·08	−0·02	−0·13	−0·19	−0·18	−0·14	+0·04	+0·21	+0·21	+0·20	+0·11	+0·02
May	1016·86	+0·10	−0·03	−0·21	−0·29	−0·32	−0·21	−0·15	+0·02	+0·11	+0·10	+0·07	+0·06	0·00	−0·10	−0·20	−0·21	−0·25	−0·17	+0·01	+0·24	+0·36	+0·41	+0·38	+0·28
June	1012·57	+0·24	+0·12	−0·04	−0·09	−0·12	−0·04	+0·04	+0·14	+0·06	+0·11	+0·08	+0·05	−0·07	−0·15	−0·30	−0·34	−0·41	−0·33	−0·23	−0·04	+0·19	+0·37	+0·39	+0·39
July	1002·05	+0·11	−0·06	−0·31	−0·33	−0·40	−0·35	−0·29	−0·18	−0·12	−0·03	−0·06	+0·01	−0·03	0·00	−0·04	−0·05	−0·03	+0·07	+0·14	+0·28	+0·48	+0·50	+0·39	+0·28
Aug.	1011·91	+0·15	+0·08	−0·08	−0·09	−0·18	−0·05	0·00	+0·09	+0·05	+0·14	+0·08	+0·04	−0·06	−0·14	−0·24	−0·29	−0·32	−0·26	−0·09	+0·16	+0·25	+0·32	+0·26	+0·27
Sept.	1013·06	−0·15	−0·32	−0·47	−0·56	−0·56	−0·45	−0·28	−0·10	+0·06	+0·17	+0·20	+0·26	+0·23	+0·17	+0·07	+0·04	+0·02	+0·14	+0·28	+0·36	+0·35	+0·31	+0·21	+0·08
Oct.	1009·93	−0·44	−0·54	−0·71	−0·78	−0·70	−0·45	−0·18	+0·29	+0·46	+0·79	+0·70	+0·67	+0·48	+0·35	+0·20	+0·09	+0·02	+0·16	+0·19	+0·11	−0·01	−0·12	−0·31	−0·37
Nov.	1004·74	−0·02	−0·09	−0·20	−0·20	−0·18	−0·11	+0·01	+0·33	+0·37	+0·51	+0·32	+0·15	−0·06	−0·15	−0·26	−0·23	−0·10	+0·04	+0·01	−0·01	+0·06	−0·05	−0·07	−0·04
Dec.	1004·14	−0·70	−0·78	−0·89	−0·95	−0·85	−0·62	−0·39	+0·11	+0·56	+0·96	+0·90	+0·74	+0·56	+0·39	+0·35	+0·36	+0·33	+0·28	+0·26	+0·15	+0·11	−0·06	−0·34	−0·49
Year	1007·47	−0·07	−0·18	−0·32	−0·38	−0·39	−0·29	−0·16	+0·07	+0·20	+0·35	+0·31	+0·26	+0·13	+0·02	−0·07	−0·10	−0·10	−0·02	+0·06	+0·14	+0·18	+0·18	+0·11	+0·05

† See page 23

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY
Maximum and Minimum for the interval 0h to 24h, Greenwich Mean Time

83 ABERDEEN: H_b = 26·0 metres 1936

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	986·7	981·1	984·1	980·9	000·0	988·8	010·7	002·7	025·3	023·1	012·3	007·5	002·0	000·8	002·8	000·8	017·2	014·9	024·1	022·1	017·8	004·9	004·1	997·1
2	987·3	982·6	991·8	981·7	004·4	000·0	021·5	010·7	025·3	023·1	014·9	012·3	002·9	000·2	000·8	986·5	014·9	007·0	024·1	022·9	016·2	003·9	003·5	997·2
3	997·3	987·3	006·2	991·8	009·1	008·2	021·5	020·5	027·3	025·2	014·6	013·4	002·7	001·0	003·1	990·0	007·0	997·6	022·9	017·5	004·5	002·1	003·9	978·5
4	007·5	997·3	015·4	006·2	009·0	997·2	023·0	020·9	026·1	015·4	019·5	013·9	003·3	001·2	010·7	003·1	997·6	989·8	017·6	016·8	003·5	997·3	003·5	971·6
5	007·5	991·5	022·0	015·4	997·2	998·5	025·5	022·8	015·4	012·3	019·2	007·5	009·3	003·2	015·3	010·7	991·1	988·3	022·2	017·6	997·5	980·8	001·2	988·5
6	991·5	987·0	023·1	021·5	002·2	994·4	023·6	013·8	018·7	012·7	007·5	001·5	010·0	007·9	019·4	014·5	995·0	988·9	024·4	022·1	985·7	977·8	021·7	990·2
7	993·5	988·6	025·8	022·8	003·3	001·4	015·2	014·1	022·8	018·4	011·9	002·9	008·0	001·9	020·4	018·4	989·0	980·0	024·4	022·9	977·8	964·1	024·5	011·7
8	994·1	984·4	025·7	020·5	009·0	001·9	021·8	015·1	022·7	018·8	014·2	011·2	002·1	998·4	018·4	012·2	008·1	984·2	023·7	022·5	972·6	963·8	021·1	009·1
9	986·9	955·9	020·5	015·2	012·2	008·2	024·2	021·5	018·8	017·5	013·9	007·1	005·6	002·0	012·4	011·1	010·9	008·1	024·8	023·3	984·2	972·6	023·7	018·2
10	989·4	955·6	023·4	019·2	018·1	011·7	023·6	019·9	018·1	015·9	016·6	009·7	005·3	003·2	011·6	010·5	013·7	010·7	025·0	022·4	992·6	984·2	018·3	012·0
11	013·4	989·4	019·3	012·0	012·1	009·0	019·9	012·2	016·6	014·1	015·6	007·1	003·2	998·2	011·1	007·1	013·6	010·8	022·4	020·7	994·3	991·2	012·0	999·9
12	016·0	008·3	018·6	014·7	014·5	009·5	014·8	011·9	015·2	012·6	014·2	008·0	998·7	997·2	008·5	006·2	010·9	007·6	021·1	009·1	006·5	991·0	002·5	999·7
13	018·0	008·2	019·4	015·8	019·3	014·2	014·1	006·2	015·0	010·0	015·2	012·0	998·0	995·5	009·0	007·7	014·9	010·5	014·7	007·6	013·2	006·5	999·7	988·7
14	023·7	017·8	015·3	000·5	020·8	018·1	006·6	004·8	013·7	010·1	012·0	000·9	995·6	992·7	007·7	006·3	020·0	014·4	007·6	001·8	011·7	004·7	976·0	960·8
15	022·8	007·8	000·5	994·3	022·6	016·9	005·2	000·2	012·9	009·4	003·3	999·7	994·6	990·8	010·2	007·0	028·9	019·9	003·1	000·2	009·4	992·4	989·6	975·2
16	007·8	000·1	994·3	991·8	020·6	013·8	002·3	000·1	016·8	012·3	008·4	003·2	008·1	994·6	011·7	010·0	031·3	028·7	007·3	001·7	006·4	992·5	986·7	966·0
17	000·3	982·6	994·4	989·8	016·2	014·3	009·7	002·1	017·6	013·6	018·5	008·4	009·2	003·9	011·5	005·9	030·6	023·8	002·9	985·1	015·7	005·4	991·9	976·4
18	988·5	985·7	990·1	973·6	019·4	016·1	009·6	007·4	027·8	017·6	024·4	018·5	003·9	992·7	010·7	009·3	023·8	018·9	007·6	985·0	024·3	015·7	999·2	979·5
19	992·0	988·3	988·1	972·9	017·4	007·7	007·6	003·5	027·2	021·3	024·3	017·9	996·6	992·2	009·8	006·2	025·6	020·2	010·6	996·3	025·4	022·6	009·2	998·7
20	991·7	970·4	002·0	988·1	007·7	004·1	003·9	001·5	024·0	021·5	017·9	014·5	002·0	996·3	008·5	005·8	026·0	021·4	015·9	010·4	028·6	024·6	002·8	995·6
21	984·7	970·0	003·3	992·1	007·9	005·0	003·5	999·0	021·5	015·6	015·7	013·9	007·4	001·7	015·7	006·5	021·4	017·9	011·5	006·6	028·6	024·2	007·8	002·8
22	985·7	984·4	997·1	994·6	005·2	998·9	010·6	000·9	015·6	006·1	016·1	014·7	009·6	007·2	021·3	015·7	025·0	019·7	013·4	011·0	024·8	022·3	022·4	007·8
23	998·9	984·3	998·2	992·7	002·7	999·0	011·2	005·6	020·0	011·7	016·3	014·5	008·8	989·5	019·7	013·8	025·0	016·6	011·1	003·8	998·4	012·3	027·9	020·4
24	999·1	997·7	018·6	998·2	012·7	000·4	007·0	998·7	020·2	018·5	019·2	015·5	991·4	986·8	019·8	015·5	016·6	007·4	005·4	979·3	016·9	011·5	020·6	017·8
25	997·8	989·9	020·8	009·5	012·7	010·9	003·9	998·8	019·6	017·3	020·3	019·0	998·6	991·2	028·0	016·7	020·0	007·0	988·8	978·6	019·7	016·7	030·4	020·4
26	989·9	983·8	009·5	988·5	010·9	009·5	010·0	001·9	020·3	018·8	019·5	017·7	006·6	998·4	027·8	024·1	020·8	007·1	989·2	958·5	019·3	015·5	029·4	026·6
27	985·7	980·8	989·9	985·6	010·0	008·2	021·6	010·0	024·0	020·3	018·6	017·6	013·5	006·5	024·2	022·1	018·5	008·9	993·7	959·3	017·2	014·1	026·7	020·0
28	985·2	981·6	998·9	989·9	008·2	006·5	021·0	016·7	023·4	007·3	017·6	013·2	013·8	012·9	022·1	020·5	023·6	018·5	018·3	993·7	021·2	010·2	020·0	007·7
29	987·7	985·0	998·7	989·4	006·8	992·1	022·5	019·5	007·3	002·4	013·2	005·5	017·6	013·3	021·0	013·9	023·8	022·2	018·1	008·9	010·2	996·8	007·9	000·7
30	986·9	984·9	-	-	997·1	988·4	025·5	022·4	007·6	004·4	005·5	996·9	017·0	004·3	014·0	012·4	023·6	022·3	016·0	012·9	997·1	993·4	009·6	004·3
31	988·9	983·6	-	-	002·7	995·8	-	-	008·8	007·0	-	-	004·3	997·7	015·5	013·6	-	-	018·6	015·9	-	-	004·3	999·1
Mean	996 ·92	986 ·96	1007 ·41	998 ·92	1009 ·90	1004 ·46	1014 ·70	1009 ·51	1019 ·21	1014 ·65	1015 ·35	1010 ·19	1004 ·83	999 ·46	1014 ·28	1009 ·81	1016 ·28	1009 ·61	1013 ·89	1005 ·11	1008 ·84	1000 ·50	1009 ·75	997 ·49

Note. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1012·3 mb. is written 012·3. This rule does not, however, apply to monthly means

Year	...	1010 ·93	1003 ·88

TEMPERATURE

Readings in degrees absolute, at exact hours, Greenwich Mean Time

84 ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·1	78·7	78·0	78·0	77·3	77·0	77·3	76·7	76·0	76·2	76·1	76·3	77·1	76·2	76·1	76·6	76·6	78·7	79·6	79·5	79·5	79·4	79·5	79·2	77·7
2	79·1	79·1	79·3	79·5	79·2	79·4	79·4	79·1	78·4	78·0	78·3	78·6	79·2	79·3	79·6	79·6	79·6	79·5	79·5	79·4	79·5	79·1	78·9	79·1	79·2
3	79·4	79·3	79·2	79·2	78·9	78·9	77·8	77·4	77·5	77·5	78·3	78·6	79·6	79·3	78·6	78·0	77·8	77·3	76·5	76·3	76·1	76·1	76·0	75·7	78·0
4	75·7	75·6	75·5	75·3	75·4	75·2	75·0	74·9	74·9	75·4	75·8	76·3	76·6	76·4	76·0	75·4	75·0	74·9	74·3	73·9	74·1	73·7	73·5	73·2	75·1
5	73·0	72·9	73·0	73·0	73·2	73·5	75·9	77·4	77·7	77·5	77·4	77·5	77·6	77·7	77·7	77·9	78·4	79·1	79·1	79·5	79·6	79·4	79·5	79·5	76·8
6	79·3	79·5	79·1	79·0	78·9	79·3	79·4	79·7	79·8	80·0	80·2	80·1	80·2	80·1	80·0	79·9	79·8	79·7	79·7	79·9	79·9	79·6	79·5	79·3	79·7
7	79·4	79·6	79·7	79·4	79·5	79·6	79·6	79·7	79·7	79·5	79·8	80·0	80·0	80·0	80·0	80·0	79·9	79·5	79·6	79·6	79·8	79·3	79·2	79·0	79·8
8	79·3	79·0	79·2	78·9	78·9	79·2	79·2	79·5	79·5	79·6	79·7	79·7	79·8	80·1	80·0	79·9	79·8	79·7	79·7	79·3	79·5	79·8	79·7	79·3	79·5
9	79·0	78·4	78·2	78·5	78·4	78·5	79·0	79·1	79·2	79·2	80·0	80·5	80·5	80·5	80·5	80·3	80·4	80·5	80·4	80·7	81·3	81·5	81·2	80·3	79·8
10	80·8	81·1	81·5	80·9	80·9	80·9	81·0	80·8	80·6	80·6	80·9	81·3	81·8	82·1	81·5	81·1	80·3	80·0	78·9	78·7	78·2	77·9	77·7	77·2	80·3
11	77·2	76·9	76·5	76·4	76·0	75·6	75·3	75·3	75·0	74·8	75·3	75·7	76·0	76·3	76·4	76·0	76·3	75·5	75·5	75·5	75·3	74·6	74·6	74·3	75·7
12	74·0	73·9	74·4	74·8	75·0	75·1	75·1	74·7	75·0	75·4	75·7	75·6	76·2	76·2	75·8	76·0	75·5	75·4	76·2	76·5	77·1	77·0	77·7	77·8	75·6
13	77·1	74·6	74·5	74·6	74·5	74·4	74·1	74·0	73·9	73·9	74·3	75·0	75·3	75·3	75·2	73·0	74·0	74·0	73·8	73·6	73·3	73·0	73·0	73·0	74·3
14	73·1	73·0	73·4	73·0	73·0	73·0	73·2	73·2	72·8	73·1	74·4	74·5	74·1	74·4	74·5	74·0	74·3	74·7	74·2	74·1	74·1	74·2	74·0	73·9	73·7
15	74·1	74·3	73·9	74·0	74·2	74·2	73·9	73·4	73·3	73·5	73·2	74·7	74·8	74·8	75·0	74·3	73·7	73·2	72·4	72·5	72·2	72·0	71·6	71·5	73·6
16	71·3	71·1	70·8	70·7	70·6	70·4	71·0	71·5	72·1	72·8	73·3	73·8	73·8	74·5	74·3	73·0	73·3	73·0	73·1	72·3	71·9	71·3	71·4	71·8	72·2
17	70·8	71·2	70·6	71·0	71·2	70·7	70·7	71·1	70·7	70·9	71·7	72·2	72·8	73·2	72·9	71·7	72·9	72·8	73·4	73·4	73·7	73·9	73·6	73·9	72·1
18	72·5	71·2	70·4	72·0	72·2	72·8	72·8	72·3	73·2	73·2	73·6	73·7	73·7	73·6	73·5	73·0	73·2	72·9	73·6	73·2	72·6	73·4	73·5	72·6	72·9
19	73·2	73·1	72·6	73·1	72·2	72·3	71·6	71·9	71·2	72·0	72·5	73·0	73·4	73·1	73·0	72·2	70·3	69·1	67·2	66·8	66·3	66·0	65·3	65·0	70·8
20	64·3	65·0	64·0	64·8	66·8	69·2	75·8	76·1	76·7	77·1	77·4	75·7	74·9	74·8	74·8	75·1	74·1	74·4	74·5	74·7	74·0	74·5	75·2	75·6	72·7
21	74·9	75·2	74·9	74·8	75·0	75·1	75·6	75·2	74·2	74·0	74·2	74·6	75·5	75·1	74·7	75·4	75·9	75·3	75·2	75·0	75·3	74·7	74·6	73·9	75·0
22	73·7	73·4	73·2	73·0	72·9	71·6	71·8	72·0	71·8	72·3	73·4	73·9	74·7	74·9	74·3	73·3	73·0	72·5	71·9	71·5	71·8	72·6	73·2	73·6	72·9
23	74·5	75·7	75·7	76·1	76·2	76·5	76·4	76·4	76·2	76·9	77·1	77·4	77·5	77·5	77·5	77·1	76·6	76·2	76·4	75·6	75·1	74·6	74·8	73·7	76·1
24	74·3	73·2	72·1	72·0	72·0	72·5	72·5	72·4	72·1	72·5	73·6	74·7	75·6	75·7	75·7	75·5	75·5	75·0	73·9	73·2	72·4	72·1	71·6	70·0	73·4
25	70·9	71·5	71·9	72·1	72·4	72·6	73·2	77·4	77·5	77·5	78·2	78·4	78·5	78·6	78·5	77·9	77·8	77·5	77·6	78·1	78·2	78·3	78·3	78·3	76·1
26	78·4	78·4	78·4	78·5	78·5	78·7	78·8	78·9	79·1	78·9	78·8	78·5	78·4	78·2	78·2	78·3	77·0	76·7	76·5	76·2	75·0	75·4	75·1	74·9	77·7
27	75·7	75·4	75·5	75·5	76·0	77·5	78·3	78·4	78·5	79·0	78·7	78·7	78·8	79·0	78·7	78·7	78·2	77·8	78·0	77·5	76·8	76·6	76·9	77·0	77·5
28	78·1	77·5	76·9	76·8	76·5	76·2	76·6	76·9	77·5	78·0	78·2	78·4	78·3	78·0	78·0	77·7	76·9	76·1	75·4	75·1	74·1	74·2	73·0	73·7	76·7
29	73·7	72·9	72·3	72·4	72·8	72·5	72·2	72·6	72·9	73·2	73·5	74·3	75·1	75·7	76·2	76·5	76·5	75·9	76·4	75·8	76·3	76·4	76·3	76·1	74·5
30	76·2	75·9	75·8	75·7	75·7	75·8	75·8	76·2	76·5	76·9	77·0	77·8	79·2	78·6	79·0	78·5	77·1	76·5	76·5	76·4	75·9	76·1	76·5	76·9	76·8
31	76·8	76·4	75·7	75·3	75·4	75·3	74·3	74·0	74·5	75·1	75·1	75·9	76·7	77·3	77·6	77·2	76·6	75·8	74·9	75·3	75·5	75·7	75·2	75·2	75·7
Mean	75·4	75·3	75·0	75·1	75·2	75·3	75·6	75·7	75·7	76·0	76·3	76·6	77·0	77·0	76·9	76·6	76·3	76·1	75·9	75·8	75·6	75·6	75·5	75·3	75·9

85 ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres FEBRUARY, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	74·6	75·1	75·3	74·7	75·1	75·2	74·9	75·4	75·4	76·0	77·4	78·2	78·4	78·6	78·0	77·5	77·0	76·6	76·3	76·0	75·7	75·4	75·2	74·6	76·1
2	74·7	74·3	74·6	74·9	75·1	74·5	74·1	73·9	74·2	74·6	75·5	75·0	74·5	76·0	76·0	75·5	75·3	74·5	73·7	73·5	73·2	72·5	72·6	72·5	74·4
3	72·7	72·7	72·5	73·1	72·6	74·2	74·5	74·6	74·0	74·6	74·1	74·9	74·6	73·5	72·8	73·4	72·7	72·5	72·0	71·9	72·0	71·9	71·5	71·5	73·1
4	71·4	71·0	71·0	71·0	70·9	70·9	70·6	70·5	70·6	71·5	72·2	72·9	73·6	74·0	73·7	73·1	72·0	72·4	71·6	70·6	71·1	70·8	69·6	68·3	71·5
5	67·3	66·6	66·8	66·8	66·9	65·3	65·4	64·9	65·4	66·1	67·6	69·0	71·2	72·0	75·5	75·4	75·3	75·5	75·6	75·8	76·1	76·2	76·2	76·2	70·6
6	76·5	76·7	76·5	76·8	76·8	76·7	76·8	76·8	77·1	77·1	77·1	77·9	78·3	78·4	78·2	78·0	78·0	78·0	77·9	77·6	77·4	77·3	77·1	77·0	77·3
7	77·1	76·8	76·6	76·7	76·5	76·2	76·2	76·2	76·4	76·5	76·7	76·6	76·2	76·6	76·5	76·2	76·0	76·3	76·2	76·0	75·9	75·6	75·2	76·3	76·3
8	74·9	74·5	74·7	74·2	73·9	73·9	73·9	73·7	74·1	74·2	75·5	76·8	76·7	76·8	76·9	76·3	75·8	75·1	74·8	74·6	74·9	73·2	73·6	73·7	74·9
9	74·0	72·8	72·2	71·5	71·7	70·9	70·9	71·2	72·0	72·5	74·3	74·7	76·4	77·4	77·9	78·1	78·2	78·3	78·2	78·0	77·6	77·3	77·1	77·0	74·9
10	76·6	76·4	76·1	75·9	75·7	75·6	75·5	75·6	75·8	75·8	76·0	76·1	76·4	76·1	75·8	75·3	74·9	74·9	74·7	74·3	74·4	74·2	74·1	74·2	75·5
11	74·2	74·0	74·0	74·0	73·9	73·4	73·3	73·3	73·5	73·8	74·6	75·2	75·7	75·8	75·4	75·4	75·2	75·0	74·9	74·9	74·8	74·9	74·8	74·3	74·5
12	74·0	74·3	74·0	73·8	73·5	73·0	72·9	73·2	73·6	73·6	74·4	74·6	75·3	75·3	75·3	75·1	74·3	73·6	72·5	71·9	71·3	70·7	70·6	70·5	73·5
13	69·8	70·0	70·5	70·0	69·9	69·8	70·8	71·3	71·9	72·3	73·0	73·6	74·0	73·7	74·0	73·7	74·1	74·5	74·5	74·6	74·5	74·4	74·8	74·9	72·6
14	75·0	75·0	75·2	75·5	76·0	76·1	76·5	76·6	76·8	76·9	77·0	77·2	77·1	77·2	77·1	77·1	77·0	76·9	76·7	76·8	76·4	76·4	76·3	76·1	76·4
15	75·1	74·7	74·8	75·0	75·0	74·8	74·8	74·5	74·6	75·5	75·7	76·8	77·3	77·9	77·7	77·2	76·3	75·5	75·0	74·1	73·5	73·2	73·1	73·0	75·3
16	72·4	71·9	70·9	71·2	71·0	71·0	72·1	73·5	73·8	75·3	76·0	77·2	79·0	79·4	79·8	79·6	78·8	77·9	77·0	76·4	75·0	74·1	73·5	74·4	75·0
17	74·0	73·4	73·8	73·6	75·2	75·8	77·3	77·8	78·2	78·1	78·1	78·3	77·9	77·8	77·6	77·0	76·9	77·2	77·7	77·9	77·9	78·0	78·0	78·1	76·8
18	78·2	78·2	78·3	78·4	78·6	78·5	78·5	78·6	78·5	78·4	78·5	78·6	78·8	79·0	79·3	79·2	79·4	79·4	79·4	79·2	79·2	79·3	79·4	79·5	78·8
19	79·6	79·6	79·4	79·0	79·1	78·9	79·0	79·1	79·3	80·2	80·1	80·4	80·4	80·4	80·4	79·4	79·1	78·6	77·5	76·5	75·7	76·6	77·3	78·0	78·9
20	78·1	78·3	78·5	78·5	78·7	78·6	78·4	78·3	78·6	78·6	78·6	79·3	80·0	80·3	80·1	79·5	79·3	78·9	78·8	78·8	78·5	78·4	78·0	77·4	78·8
21	76·9	76·8	76·1	75·6	75·7	76·3	77·4	78·0	77·4	77·3	77·9	77·6	77·9	78·3	78·3	78·2	78·3	78·5	78·3	77·1	75·5	76·5	75·9	75·8	77·2
22	75·5	75·6	75·7	75·6	75·2	75·8	75·6	76·0	76·2	77·1	78·2	78·2	78·8	78·9	79·0	78·7	78·5	78·3	78·3	78·3	78·3	78·3	78·2	78·1	77·3
23	77·8	77·5	77·3	77·2	76·8	76·0	75·5	75·5	75·4	76·1	76·3	76·4	76·5	76·8	76·8	76·9	76·9	77·2	77·3	77·4	77·7	77·7	77·3	77·5	76·8
24	77·3	77·5	77·2	77·2	77·1	77·1	77·1	77·0	77·1	76·8	76·8	76·8	77·1	76·9	76·8	76·4	76·4	76·3	75·9	76·1	76·1	76·0	75·5	76·0	76·7
25	76·1	76·3	76·3	75·2	75·2	75·0	75·1	75·1	75·5	76·7	77·2	77·5	77·7	78·0	77·9	77·3	76·8	76·4	76·3	76·5	76·5	76·7	76·8	76·5	76·4
26	76·5	76·4	76·1	76·1	76·3	76·3	76·7	77·0	77·3	77·8	78·2	78·5	79·7	81·2	81·0	80·4	79·7	78·6	77·6	77·2	76·5	76·2	75·6	75·2	77·6
27	75·5	74·9	74·2	73·9	73·8	73·3	73·9	74·7	75·1	75·9	76·7	77·0	77·6	77·6	77·6	77·4	77·3	77·3	77·0	77·1	77·5	77·7	76·5	76·0	76·0
28	75·6	75·9	75·4	75·5	75·9	77·2	76·9	76·0	78·1	78·4	77·6	76·9	77·2	76·8	76·4	76·6	77·5	77·8	77·9	77·5	77·4	77·1	76·8	76·9	76·9
29	77·0	76·9	77·0	76·9	77·0	76·5	76·0	76·8	75·0	75·5	76·2	76·4	77·0	76·0	76·3	76·1	75·1	75·8	75·4	75·6	75·2	75·3	76·0	76·1	76·1
Mean	75·1	75·0	74·9	74·8	74·8	74·7	74·8	75·0	75·2	75·6	76·1	76·5	76·9	77·1	77·2	76·9	76·6	76·5	76·2	75·9	75·7	75·6	75·4	75·3	75·7
	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

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Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	76·0	76·0	76·1	76·1	75·9	76·1	76·1	76·3	76·6	76·4	76·6	77·4	77·5	76·6	75·8	76·0	75·3	75·8	75·2	74·7	74·8	74·7	74·3	74·5	75·9
2	74·0	73·9	74·1	74·3	74·0	74·3	74·5	74·6	74·6	74·8	75·8	75·9	76·2	76·0	76·2	76·1	75·6	74·5	73·7	73·3	73·0	72·9	72·8	72·5	74·5
3	72·3	72·0	71·8	71·3	71·5	71·6	71·3	72·3	73·4	74·3	75·4	76·5	76·9	77·5	77·2	76·9	76·6	76·0	75·3	74·6	75·4	74·7	74·8	75·2	74·3
4	75·2	75·5	75·3	74·7	74·2	73·7	74·1	74·4	75·8	76·4	76·8	77·1	77·3	77·3	76·3	75·9	75·6	75·1	75·5	75·3	74·7	74·6	74·3	73·8	75·4
5	73·7	73·6	72·8	73·4	74·3	74·2	74·4	75·0	75·4	76·0	76·5	77·3	78·6	78·6	78·9	77·5	77·5	77·4	77·2	77·3	77·1	76·9	76·2	75·6	76·0
6	75·2	75·0	74·9	75·2	76·8	76·3	76·9	77·0	78·7	79·8	80·5	81·0	80·9	81·0	81·2	80·8	80·3	79·3	78·4	77·5	77·5	77·6	78·0	77·4	78·2
7	76·4	75·9	75·0	75·2	74·5	74·2	74·0	75·4	76·8	78·0	78·9	79·3	79·2	79·2	79·0	78·9	78·9	78·4	78·4	78·4	78·5	78·7	79·1	79·2	77·4
8	79·1	79·0	79·0	78·9	78·9	78·9	78·8	78·9	79·0	79·0	79·1	79·7	80·0	80·3	80·0	80·2	80·0	80·2	78·9	78·7	78·5	78·4	77·9	77·7	79·2
9	77·4	73·1	77·1	77·0	76·7	76·3	76·1	75·4	74·9	75·0	75·1	75·6	75·7	75·8	75·6	74·9	75·0	74·9	74·9	75·2	75·8	75·8	75·7	75·6	75·8
10	75·9	75·9	76·0	76·0	76·2	76·3	76·4	76·6	77·1	77·7	78·3	78·7	78·9	78·9	78·7	78·5	77·9	77·3	76·9	76·0	75·6	74·5	73·7	73·5	76·8
11	73·0	72·6	72·7	72·6	71·9	71·7	71·6	72·3	74·2	76·3	77·7	78·4	78·8	78·6	78·7	78·4	78·0	77·7	77·5	77·5	77·4	77·3	77·4	77·3	75·7
12	76·9	76·4	76·0	76·2	76·0	76·2	76·0	76·5	77·3	78·0	78·6	78·7	78·8	78·9	78·9	78·8	78·3	77·7	77·7	77·6	77·6	77·5	77·4	77·0	77·5
13	76·8	76·7	76·2	75·8	75·5	75·0	75·3	75·6	76·8	77·0	78·2	78·9	78·3	78·1	78·2	77·9	77·5	76·9	76·2	76·0	76·1	76·3	76·4	76·3	76·8
14	76·4	76·3	76·1	75·8	75·6	75·5	75·5	75·3	75·7	76·1	76·9	77·5	77·6	77·7	77·6	77·5	77·3	77·1	76·5	76·0	75·9	75·8	76·2	76·5	76·4
15	76·3	76·0	74·6	75·9	77·0	77·6	76·9	77·0	77·8	78·3	77·2	78·7	78·9	78·8	78·6	78·5	77·8	76·8	75·8	75·1	74·3	73·9	74·7	74·6	76·8
16	75·0	75·3	75·5	75·8	75·9	76·0	76·0	76·3	77·4	78·5	79·8	80·3	81·0	82·3	82·9	82·9	82·6	82·3	81·9	81·7	81·2	81·1	81·0	80·5	79·2
17	80·3	80·4	80·7	80·4	80·1	79·8	79·7	80·1	81·1	82·7	83·9	84·8	84·3	83·5	84·0	84·5	84·3	83·9	83·4	82·8	82·4	82·1	81·8	81·8	82·2
18	81·5	81·8	80·4	80·1	80·0	80·1	80·0	80·6	81·0	81·0	81·1	81·1	81·0	81·0	80·9	80·6	79·9	79·9	79·9	79·8	79·6	79·2	79·2	79·0	80·4
19	78·8	78·5	78·5	78·5	78·7	78·9	78·5	78·7	79·0	79·0	79·0	79·4	80·3	80·3	80·1	79·7	79·9	79·2	79·0	79·1	79·1	78·9	78·7	78·4	79·1
20	78·5	78·7	78·8	78·7	78·9	79·0	78·9	79·3	79·6	79·7	80·0	79·8	80·4	80·0	80·6	81·1	80·0	80·8	80·7	80·4	80·3	80·5	79·3	79·5	79·7
21	80·1	79·9	79·9	80·0	79·7	79·0	78·8	79·8	80·8	82·0	83·8	84·7	82·1	81·6	83·3	82·6	81·7	80·6	80·1	80·1	80·0	80·1	79·8	79·6	80·8
22	79·5	79·6	79·3	78·5	78·8	78·5	78·4	79·2	80·2	80·8	81·4	81·3	81·5	81·1	80·6	80·2	80·0	80·0	79·8	79·6	79·6	79·3	79·2	79·4	79·8
23	79·6	79·7	79·6	79·3	79·4	79·3	79·4	79·9	80·4	80·4	80·5	80·5	81·3	81·6	81·4	80·7	80·3	80·1	79·9	79·6	79·4	79·3	79·1	79·4	80·0
24	79·3	79·2	79·1	79·2	79·1	79·5	79·7	79·9	80·4	81·6	82·4	83·0	83·1	83·4	82·0	81·8	81·0	80·1	80·1	80·0	79·9	79·4	78·4	78·0	80·4
25	78·0	77·8	77·9	77·9	77·9	78·2	78·4	78·5	78·6	78·8	78·8	78·6	78·8	78·9	78·5	78·4	78·3	78·1	77·9	77·6	77·5	77·3	77·2	77·2	78·1
26	77·0	77·1	77·0	76·9	76·8	76·9	76·9	76·9	77·3	77·7	77·8	78·0	78·0	77·8	77·9	78·0	78·3	78·5	78·5	78·3	78·4	78·4	78·4	78·4	77·7
27	78·3	78·4	78·3	78·3	78·2	78·5	78·6	78·7	78·7	78·5	78·4	78·3	78·4	78·4	78·4	78·3	78·2	78·3	78·4	78·4	78·4	78·5	78·6	78·6	78·4
28	78·6	78·6	78·6	78·5	78·5	78·6	78·8	78·5	78·7	78·9	79·0	79·3	79·8	79·9	79·9	79·9	79·8	79·6	79·5	79·5	79·0	78·9	79·0	78·7	79·1
29	78·5	78·4	78·9	79·0	78·3	78·2	78·1	78·5	79·0	79·4	79·2	79·2	79·3	79·3	79·7	79·8	79·7	79·8	79·8	79·8	79·8	80·0	80·2	80·2	79·2
30	79·7	80·1	80·2	80·3	80·4	80·4	80·2	80·5	81·8	83·3	85·1	86·1	86·6	86·2	86·0	85·8	85·8	84·9	84·3	83·6	82·6	81·9	80·6	80·4	82·8
31	80·8	80·0	80·3	79·4	79·6	79·9	80·0	80·1	80·5	82·8	85·1	85·4	85·9	86·0	85·0	85·0	83·8	82·7	82·2	81·6	80·8	80·9	81·1	80·2	82·1
Mean	77·4	77·3	77·1	77·1	77·1	77·1	77·0	77·4	78·0	78·7	79·3	79·7	79·9	79·8	79·7	79·6	79·2	78·8	78·5	78·2	78·1	77·9	77·8	77·6	78·3

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Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·4	79·7	79·3	79·9	79·9	79·4	79·4	80·9	81·9	82·4	82·6	82·9	83·1	82·9	83·2	82·9	82·1	81·7	81·3	80·0	80·0	80·0	79·2	78·3	81·0
2	77·8	77·9	77·4	77·1	76·9	76·7	76·9	77·4	78·3	78·3	78·5	78·3	77·6	78·2	77·8	77·7	77·3	77·1	76·9	76·8	76·7	76·7	76·7	76·5	77·4
3	76·1	76·1	76·1	76·1	76·2	76·3	76·6	76·7	76·9	76·5	77·2	77·2	77·8	77·4	77·3	77·4	77·1	77·0	76·5	76·0	75·2	73·6	72·7	72·4	76·3
4	71·8	71·5	71·2	70·8	70·6	71·0	71·6	73·2	75·9	78·0	78·6	79·1	79·2	79·6	80·2	80·1	80·0	79·1	78·0	77·8	77·2	77·2	77·0	76·8	76·0
5	76·8	76·6	76·4	76·4	76·3	76·3	76·7	77·0	78·2	78·7	79·1	79·5	79·8	80·0	79·1	79·0	78·7	78·4	77·7	77·5	76·6	76·4	76·2	75·4	77·6
6	74·8	74·5	74·1	75·7	74·9	74·7	77·4	78·2	78·6	80·3	81·1	81·7	80·9	80·6	80·0	80·7	80·5	78·8	78·0	77·4	76·8	76·9	76·5	76·1	77·9
7	76·5	76·0	75·9	75·6	75·1	74·8	76·1	77·3	78·2	79·0	80·2	81·3	80·4	80·4	80·0	79·9	80·2	80·3	80·5	80·6	80·5	81·0	80·7	80·7	78·7
8	81·2	81·0	80·7	79·8	79·0	79·7	80·5	81·7	82·5	83·0	82·6	83·4	82·3	81·8	82·3	82·2	81·9	81·6	80·5	79·3	77·7	77·0	76·5	76·6	80·7
9	76·3	76·1	75·4	75·7	76·4	77·2	78·0	79·3	81·0	81·5	82·3	81·8	81·5	81·0	81·3	81·4	81·3	80·9	79·7	79·3	78·9	78·4	76·9	76·9	79·1
10	75·8	75·6	76·2	77·3	77·4	77·7	78·8	79·5	80·8	81·0	81·6	81·7	82·4	82·0	82·0	80·9	80·5	79·5	78·4	77·9	78·0	77·4	76·7	77·1	79·0
11	77·5	77·5	76·8	76·7	76·5	76·7	77·6	78·9	79·5	79·5	80·0	80·0	79·8	80·2	80·0	80·1	78·2	78·3	78·1	77·0	76·7	76·8	76·1	76·4	78·1
12	76·4	76·0	76·6	75·6	75·2	76·9	77·2	77·8	78·5	77·8	78·2	78·4	78·6	78·6	78·4	78·3	78·1	77·8	77·5	76·7	75·5	75·2	75·3	75·3	77·1
13	75·0	75·1	75·2	75·2	75·9	76·1	76·7	77·4	77·7	77·2	78·4	78·5	78·9	79·3	78·9	78·4	78·3	78·4	77·8	76·8	76·4	75·5	75·5	76·0	77·0
14	76·6	77·2	77·3	77·3	77·5	77·6	77·9	78·3	78·1	77·7	77·6	77·8	78·0	77·8	78·1	77·7	77·2	76·9	76·6	76·5	76·3	76·4	76·5	76·3	77·3
15	76·3	76·2	76·2	75·9	75·5	76·2	76·6	77·0	77·8	78·1	78·1	78·2	78·4	78·5	78·5	78·2	77·8	77·2	76·3	75·3	75·1	75·2	74·1	74·1	76·7
16	74·0	74·0	74·1	74·2	74·4	74·8	74·9	76·3	77·0	78·0	78·0	78·5	77·1	77·1	78·3	78·5	78·2	78·8	76·2	74·6	74·0	74·3	74·0	74·0	76·0
17	73·3	73·2	73·3	73·5	74·4	74·6	75·7	76·6	75·9	77·6	77·0	79·3	79·8	79·2	79·8	79·3	79·0	79·3	77·8	76·4	75·7	75·0	74·9	74·6	76·5
18	74·4	74·1	74·0	74·2	73·8	74·7	76·2	77·1	78·1	78·9	79·6	80·2	79·9	79·9	80·4	79·4	78·6	77·8	77·2	75·8	74·9	74·5	74·6	75·0	76·8
19	74·6	74·8	74·7	74·4	74·5	75·3	75·3	76·2	77·5	78·0	77·7	78·3	77·1	79·0	79·5	78·7	75·7	77·9	77·0	76·1	75·7	75·3	74·9	74·4	76·4
20	74·2	74·0	74·0	74·3	73·9	74·4	75·7	75·6	74·1	76·8	76·8	76·3	78·2	78·6	78·4	78·3	78·0	77·8	76·0	75·0	74·6	73·9	73·6	73·1	75·7
21	72·9	72·8	73·3	72·4	72·6	73·5	74·3	75·2	76·3	76·7	77·2	76·9	76·7	76·6	74·9	75·2	73·9	74·8	74·3	73·1	73·1	72·7	72·6	72·0	74·4
22	72·2	71·6	71·5	71·3	71·8	72·4	73·5	73·7	75·1	75·0	76·1	77·7	78·4	78·5	78·8	77·2	76·7	77·9	76·5	76·1	74·9	74·4	74·0	73·9	74·9
23	74·3	73·5	73·0	72·9	72·8	74·1	75·9	76·4	77·7	78·0	78·4	79·5	79·1	79·2	78·7	78·9	78·6	78·4	78·3	78·3	78·4	78·4	78·0	78·0	76·9
24	77·9	77·9	77·9	77·9	78·0	78·3	78·5	78·2	78·4	78·9	78·6	80·3	81·0	80·6	80·3	80·3	80·6	80·5	82·1	81·5	81·0	80·7	80·9	81·4	79·6
25	81·6	82·3	81·5	81·4	81·3	81·3	82·2	83·7	83·2	84·5	86·2	86·9	87·3	88·0	88·2	88·3	87·1	84·8	84·7	82·3	81·7	81·4	81·0	80·5	83·8
26	80·3	80·1	79·6	79·5	80·0	80·4	82·2	82·2	83·1	83·7	84·2	85·9	86·6	85·7	86·9	87·6	85·9	85·2	84·7	83·9	82·7	81·3	80·7	80·8	83·0
27	81·0	80·2	80·8	80·3	80·0	81·3	82·7	83·5	84·1	85·4	85·4	85·8	86·3	85·9	86·4	85·9	86·2	84·8	81·7	81·9	81·5	82·0	81·8	82·5	83·2
28	82·4	81·9	81·5	81·5	81·6	81·3	82·4	82·2	83·1	83·3	83·9	84·4	83·7	84·1	85·3	84·0	84·1	84·3	84·2	83·8	83·0	81·1	81·5	79·9	82·9
29	79·1	79·0	78·7	78·4	79·2	81·1	82·5	84·0	84·8	85·0	85·8	86·0	85·9	85·7	85·5	85·5	85·3	85·3	85·5	84·8	84·4	82·9	82·3	81·0	83·2
30	79·8	79·4	78·8	78·0	78·5	80·4	81·8	82·7	83·8	84·1	84·6	85·7	85·6	86·0	85·0	85·2	84·8	84·6	84·3	83·9	82·5	82·1	81·4	81·6	82·7
Mean	76·7	76·5	76·4	76·3	76·3	76·8	77·7	78·5	79·2	79·8	80·2	80·7	80·7	80·7	80·8	80·6	80·1	79·8	79·1	78·4	77·9	77·5	77·1	76·9	78·5

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

88 ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·6	81·6	81·3	80·6	80·5	80·7	81·5	82·5	82·9	82·2	82·4	82·8	82·5	82·8	83·6	84·0	84·0	83·8	83·1	82·9	83·0	82·8	82·1	81·2	82·4
2	80·2	78·5	78·0	77·0	77·0	78·2	80·2	82·6	84·6	84·7	85·8	85·6	85·7	86·0	85·9	86·2	86·8	85·6	84·2	83·5	82·8	82·2	81·5	81·3	82·7
3	81·1	80·7	80·2	80·2	80·0	80·0	81·7	83·0	84·0	83·6	82·9	83·1	81·9	81·2	81·0	81·0	80·5	80·7	80·3	80·2	80·0	79·2	79·0	79·0	81·1
4	78·9	78·7	78·4	78·2	78·0	77·8	77·7	78·4	79·3	80·0	80·2	80·5	81·7	81·6	82·0	82·1	82·0	81·9	81·3	81·1	81·1	81·0	81·0	80·9	80·1
5	80·7	80·5	80·5	80·3	80·4	80·5	80·7	80·7	80·9	80·8	80·7	80·7	80·7	80·7	80·6	80·5	80·5	80·5	80·4	80·4	80·4	80·6	80·7	80·8	80·6
6	80·9	80·9	80·8	80·7	80·9	81·0	81·0	81·0	81·1	81·0	80·9	81·0	80·9	80·8	80·8	80·9	80·6	80·2	80·2	80·2	80·3	80·3	80·3	80·5	80·7
7	80·5	80·5	80·5	80·6	80·7	80·9	81·1	81·3	81·9	82·4	82·2	82·3	82·1	82·0	81·9	81·7	81·4	81·1	80·7	80·7	80·6	80·6	80·6	80·5	81·2
8	80·1	79·6	78·3	77·5	77·3	78·8	81·0	83·1	83·3	82·9	83·0	82·6	82·7	82·6	82·2	82·2	82·7	82·7	82·4	81·6	81·0	80·5	80·0	78·7	81·2
9	78·1	77·8	77·8	78·0	78·5	79·5	81·3	83·2	84·8	85·0	84·0	83·3	83·9	83·5	83·4	84·0	83·0	83·2	83·2	81·9	81·3	81·0	80·0	79·2	81·6
10	78·6	77·7	77·1	76·8	77·2	78·7	81·4	84·0	85·9	86·9	85·7	84·9	84·6	84·3	84·3	83·7	84·4	84·4	83·3	82·3	81·8	81·1	80·5	80·4	82·1
11	79·7	78·2	78·0	77·2	77·7	80·6	84·0	83·7	86·1	86·3	86·5	86·7	86·5	86·3	86·1	85·9	85·2	85·0	84·4	83·2	82·8	82·6	81·7	81·1	83·1
12	80·8	81·0	80·9	80·8	80·9	81·0	82·0	82·9	83·1	83·0	83·3	83·3	83·2	83·0	83·9	84·3	84·6	83·3	82·9	82·4	82·1	82·1	82·0	82·1	82·4
13	82·0	81·9	81·8	81·8	81·7	82·3	82·5	82·0	81·3	81·7	81·7	82·3	82·8	84·1	85·1	84·1	84·7	83·7	82·9	82·9	83·2	82·8	82·7	83·0	82·7
14	82·7	81·6	80·3	79·2	79·9	81·8	82·7	83·9	85·2	85·7	85·7	86·0	85·7	86·1	85·4	84·7	84·7	84·5	82·9	82·3	82·4	82·4	82·2	81·9	83·3
15	81·9	82·2	82·0	82·0	82·2	83·4	84·3	84·7	85·5	85·8	86·0	86·0	85·5	84·4	83·6	84·0	83·7	83·5	83·5	82·9	83·0	83·0	82·5	82·2	83·7
16	82·3	82·6	82·7	82·5	82·5	83·2	83·9	84·0	84·1	84·3	84·2	84·4	84·6	83·9	83·6	83·4	83·1	82·7	82·7	82·5	82·2	81·8	81·5	81·4	83·1
17	81·6	81·3	81·3	81·4	81·9	81·7	81·8	81·8	81·3	82·2	82·3	82·3	82·3	81·9	81·9	81·9	81·5	81·5	81·6	81·6	81·6	81·6	81·6	81·8	81·8
18	81·9	81·7	81·8	81·7	81·9	82·1	82·3	82·9	83·3	83·3	84·2	84·7	85·3	84·7	84·5	84·3	85·2	84·3	83·4	82·9	82·6	82·4	82·4	82·3	83·2
19	82·3	82·0	81·9	81·9	82·1	82·2	82·5	83·1	83·3	83·4	83·3	84·6	85·6	87·2	86·3	81·8	82·3	82·0	83·0	83·1	84·2	83·5	82·7	81·7	83·2
20	81·8	81·9	81·6	81·3	81·7	81·2	81·2	81·7	81·4	81·5	81·4	81·7	82·1	81·8	81·7	81·5	81·7	81·5	80·2	79·5	79·2	79·2	79·2	78·5	81·1
21	78·4	77·9	78·3	78·8	79·5	80·3	82·1	82·0	82·2	82·7	82·7	82·9	83·2	83·8	83·5	83·3	83·7	83·5	82·0	80·7	80·0	79·0	79·5	79·8	81·2
22	80·3	80·4	80·1	80·4	80·9	80·8	82·5	82·8	82·6	82·3	82·2	81·6	80·7	80·5	80·2	79·1	79·1	79·4	79·6	80·0	80·2	80·2	79·8	79·7	80·6
23	79·5	79·4	78·9	79·0	79·5	80·5	81·4	82·5	82·5	82·4	82·4	82·3	82·0	82·3	82·2	82·3	82·6	83·5	83·2	82·0	81·5	81·2	81·0	80·3	81·4
24	79·5	79·0	78·8	78·8	80·0	80·8	82·0	82·4	83·2	84·0	83·4	83·8	83·0	82·8	82·2	82·4	82·9	82·6	82·6	81·7	80·9	80·9	81·2	81·2	81·7
25	81·7	81·6	81·8	82·0	82·1	82·1	82·3	82·3	82·2	82·4	82·8	83·0	83·2	83·0	83·1	83·1	83·1	82·8	82·5	82·3	82·1	82·1	82·0	82·0	82·4
26	82·1	82·0	82·0	81·9	82·1	82·5	83·5	83·7	84·3	84·2	85·1	85·5	85·6	85·8	85·7	86·1	85·2	84·6	84·2	84·1	84·3	84·3	84·0	83·2	84·0
27	82·8	82·3	82·0	81·9	81·8	81·9	82·5	83·4	83·4	83·5	83·4	83·7	83·1	83·3	82·9	82·5	82·1	81·2	81·4	80·0	79·7	79·4	78·8	79·0	82·0
28	78·8	78·5	78·2	77·5	77·3	79·6	80·1	81·1	81·8	83·0	83·9	84·4	85·3	85·0	83·6	83·5	83·5	83·4	83·3	83·7	84·0	83·9	83·5	83·5	82·0
29	83·6	83·6	83·2	81·6	82·5	82·3	83·1	83·5	84·1	84·2	83·5	84·7	85·0	84·2	84·0	83·2	82·6	81·1	80·4	79·9	79·7	79·4	79·1	78·5	82·5
30	78·8	78·6	78·0	77·3	78·4	80·2	80·7	80·0	79·5	80·5	81·6	81·7	81·6	81·4	81·6	80·7	79·5	79·6	79·1	78·8	77·9	77·0	76·7	77·1	79·5
31	76·5	76·1	76·4	76·2	77·0	77·7	79·4	80·2	80·6	81·0	81·5	81·8	80·9	81·1	82·0	81·3	81·8	81·4	82·1	80·9	79·3	77·9	77·9	77·4	79·5
Mean	80·6	80·3	80·1	79·8	80·1	80·8	81·8	82·4	82·9	83·1	83·2	83·4	83·3	83·3	83·2	82·9	82·9	82·5	82·2	81·7	81·5	81·2	80·9	80·7	81·9

89 ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — JUNE, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	76·9	77·0	76·9	76·9	78·0	79·6	80·7	81·2	81·9	82·1	82·3	81·2	81·0	81·8	81·0	82·1	82·0	81·9	81·3	80·9	80·7	79·3	78·2	77·5	80·1
2	77·5	78·3	78·3	78·2	78·6	79·0	80·1	80·2	81·0	81·2	81·6	81·3	81·4	81·5	81·9	81·8	81·1	81·6	81·7	81·1	80·5	79·8	78·5	77·7	80·2
3	77·3	76·4	76·1	76·0	77·4	79·8	81·1	81·1	82·1	81·9	82·0	82·0	82·4	82·4	82·3	82·6	82·4	82·6	82·7	81·3	80·4	79·9	80·0	80·0	80·5
4	79·3	79·1	78·6	78·7	79·7	81·2	82·5	82·0	82·4	82·7	83·2	83·3	83·7	83·8	83·9	84·0	84·0	84·0	83·5	82·4	80·8	78·8	77·7	77·3	81·6
5	76·2	76·1	75·1	75·0	76·7	80·2	81·9	84·2	85·1	86·0	86·5	87·2	87·0	86·5	86·4	85·7	87·6	89·8	88·7	88·1	86·6	86·2	85·5	84·9	83·7
6	84·5	84·1	83·7	84·2	84·1	84·7	86·2	86·8	87·2	87·9	88·6	87·1	86·4	86·4	88·8	89·5	88·1	87·3	87·0	85·8	84·4	84·0	83·1	83·2	86·0
7	82·9	81·8	81·9	81·9	81·7	83·1	83·8	84·5	85·1	84·5	84·2	85·7	85·2	83·3	83·3	83·7	83·1	84·0	83·2	82·7	82·9	82·6	82·4	82·3	83·3
8	81·9	81·4	80·9	81·1	81·5	82·5	83·8	84·3	84·7	85·5	86·1	86·8	87·1	87·0	85·9	86·9	88·4	89·0	89·5	88·7	87·3	85·9	85·0	84·7	85·2
9	84·0	83·5	82·0	81·6	83·7	84·1	85·1	86·9	88·1	89·0	90·9	92·0	89·7	95·0	93·9	93·0	91·9	91·7	90·6	88·9	88·3	87·6	85·8	85·2	88·0
10	84·5	83·1	82·4	82·3	83·0	83·4	84·0	85·0	85·8	86·0	86·5	87·1	88·1	88·3	86·5	86·0	86·0	86·0	85·7	84·9	83·9	83·0	82·8	82·1	84·9
11	81·7	81·1	81·2	80·9	82·9	84·6	85·2	85·4	86·2	87·4	87·1	88·1	86·9	87·4	86·7	87·4	88·0	86·4	85·6	84·6	84·7	84·9	84·3	84·0	85·1
12	83·9	83·9	84·0	83·5	83·1	83·0	83·1	83·6	84·9	85·2	85·4	86·0	86·5	87·1	87·0	87·0	87·4	86·8	87·0	85·8	84·4	82·3	81·6	80·5	84·8
13	80·2	79·5	78·9	78·9	79·4	79·8	82·4	84·2	84·4	84·5	84·8	84·7	85·3	85·3	85·5	84·8	85·4	85·0	84·5	84·3	83·3	82·6	82·3	81·7	83·0
14	81·3	80·4	80·1	81·3	82·4	83·2	83·9	84·3	84·7	85·3	85·5	85·5	85·6	86·2	85·8	85·2	85·0	85·3	85·0	84·7	84·5	84·6	84·6	84·7	84·1
15	84·2	84·0	83·2	83·0	83·1	84·1	84·4	84·7	85·4	85·8	87·0	85·7	85·0	84·8	85·2	86·0	86·0	85·3	85·1	84·0	83·5	83·0	83·4	83·1	84·6
16	82·3	81·4	81·1	81·3	82·4	82·9	83·2	84·1	84·0	84·1	83·6	83·7	84·5	85·7	87·1	87·3	87·1	86·8	86·6	87·0	86·3	86·3	86·3	86·2	84·6
17	85·7	85·0	85·1	85·1	85·7	86·1	86·3	88·6	88·6	89·6	90·0	89·3	87·9	88·8	90·4	89·2	90·7	89·5	88·9	88·5	87·0	86·5	85·7	85·8	87·7
18	84·3	83·0	82·8	81·7	82·9	84·7	87·3	88·7	88·9	89·4	89·3	89·0	89·3	88·3	89·5	90·0	90·1	90·6	88·2	88·7	88·3	86·0	86·1	85·3	87·2
19	84·2	83·9	83·7	83·0	83·9	86·2	87·7	87·9	89·2	89·0	89·0	89·1	88·9	89·2	89·0	89·0	89·7	90·9	88·8	87·8	87·6	87·4	87·0	85·6	87·4
20	85·5	84·9	84·5	84·3	85·9	87·5	88·0	88·1	87·9	87·8	88·2	88·3	88·7	88·8	89·2	88·9	89·0	89·2	88·9	88·7	87·5	86·6	85·3	84·4	87·4
21	83·3	82·9	82·5	82·9	84·0	85·5	88·9	89·5	88·7	89·7	90·3	89·9	90·5	90·3	89·9	89·5	89·3	89·2	88·7	88·4	87·6	87·1	86·6	86·3	87·5
22	85·4	85·1	84·7	84·7	85·5	86·8	89·3	90·5	90·8	90·7	90·2	90·0	90·5	90·1	90·3	89·8	90·0	89·7	89·0	87·8	87·1	86·6	86·6	86·6	88·2
23	86·4	86·3	86·4	86·0	85·8	85·9	86·8	88·1	88·8	90·3	91·6	92·7	93·4	93·1	93·2	93·2	93·3	93·0	92·9	90·9	91·0	90·2	89·5	88·9	89·9
24	88·5	88·7	88·4	88·0	89·1	89·6	89·5	89·5	90·1	90·7	91·8	90·8	91·8	89·3	88·9	88·7	88·2	87·9	87·6	87·4	87·5	86·2	86·0	85·6	88·8
25	85·5	85·5	85·3	85·1	84·9	84·8	84·9	85·2	86·1	87·2	86·7	86·7	86·7	86·0	86·6	86·0	86·5	86·3	86·1	85·7	84·9	84·4	83·9	83·4	85·6
26	82·7	81·9	81·5	81·1	82·1	84·1	86·8	87·4	87·2	88·1	88·3	88·9	88·6	88·3	87·8	88·1	88·2	88·1	87·2	85·4	85·1	84·1	84·0	83·8	85·8
27	83·0	82·5	82·4	82·1	82·9	85·1	87·3	87·8	87·8	86·9	87·9	87·5	87·9	88·9	88·6	87·4	88·4	88·1	87·5	87·2	87·3	87·3	87·3	87·1	86·4
28	87·2	87·3	87·1	87·2	87·2	87·2	88·1	88·8	89·0	90·4	90·7	90·3	90·4	90·4	90·8	89·9	90·0	88·5	88·9	88·0	87·3	87·1	86·9	86·8	88·6
29	86·7	86·6	86·6	86·7	86·9	87·3	87·8	88·0	88·2	88·5	89·4	89·6	89·3	88·7	88·3	88·2	88·4	87·9	87·7	87·4	87·1	86·8	86·6	86·2	87·7
30	86·0	85·9	85·9	86·2	85·5	85·1	86·0	87·2	87·0	86·9	87·3	87·2	87·1	87·1	87·5	88·5	88·0	87·4	87·3	87·6	87·5	87·2	87·3	87·1	86·9
Mean	83·1	82·7	82·4	82·3	83·0	84·0	85·2	85·9	86·4	86·8	87·2	87·2	87·2	87·3	87·4	87·3	87·4	87·3	86·8	86·2	85·5	84·8	84·3	83·9	85·5
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

90 **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	86·7	86·5	86·0	85·9	86·3	86·6	87·0	86·9	87·2	87·7	88·7	89·2	88·3	87·8	88·0	87·1	87·0	87·0	86·9	86·9	86·9	86·9	86·8	86·6	87·1
2	86·3	86·4	86·5	86·3	86·3	86·3	86·6	87·6	88·6	88·5	88·6	88·1	88·1	88·7	88·3	88·1	88·0	88·0	88·0	87·6	86·9	86·9	86·5	86·0	87·4
3	86·0	86·1	86·1	86·1	86·7	86·9	87·5	88·0	88·6	89·0	89·1	89·6	89·7	89·9	90·0	89·6	89·8	89·5	90·3	89·2	88·3	88·4	88·0	88·1	88·3
4	88·0	88·0	87·9	87·7	88·0	89·2	90·5	91·7	92·2	92·1	94·5	94·3	93·0	93·2	94·5	95·8	95·1	94·3	92·3	92·0	90·2	90·0	90·1	89·7	91·4
5	89·0	87·6	87·9	87·0	87·9	88·9	90·0	92·0	90·7	91·4	93·5	94·4	94·8	95·1	94·8	95·8	95·0	94·9	94·6	91·5	89·2	88·5	88·1	88·6	91·3
6	87·9	88·4	88·6	88·1	88·0	88·9	90·4	92·0	93·0	94·1	93·8	93·7	92·8	93·1	94·1	92·2	91·2	89·7	88·8	88·5	87·3	87·9	86·8	87·1	90·3
7	87·1	87·2	87·3	87·4	87·1	87·0	86·9	87·2	87·7	88·6	89·6	90·0	91·9	91·7	92·0	91·3	92·1	90·1	89·1	89·3	89·1	87·9	87·5	87·4	88·9
8	87·0	86·9	87·0	87·0	87·2	87·3	87·1	87·5	88·1	89·2	89·1	88·3	88·2	88·1	88·0	88·2	88·7	88·6	88·4	87·9	87·5	87·0	86·9	86·5	87·8
9	86·4	86·1	85·6	85·0	86·8	87·0	88·2	88·9	89·8	89·8	90·3	90·1	89·3	89·2	89·0	88·9	88·3	87·8	87·4	87·3	87·2	87·1	87·0	86·7	87·9
10	86·4	86·1	85·2	84·9	85·0	86·4	88·0	88·1	89·3	90·1	90·7	90·6	91·0	91·0	91·0	91·1	91·0	90·3	89·7	89·0	87·9	87·0	86·8	86·5	88·5
11	86·4	86·1	86·2	86·1	85·4	86·0	85·8	85·6	85·2	85·0	86·0	86·9	86·4	86·7	86·9	87·3	87·5	88·2	87·4	87·4	87·0	86·7	86·9	86·8	86·5
12	86·1	86·1	86·2	86·5	86·5	86·7	87·3	87·7	88·6	88·7	88·6	90·6	89·7	90·1	91·1	89·9	88·4	87·7	87·8	87·1	86·5	86·7	86·0	85·9	87·8
13	86·1	86·1	86·0	86·1	85·9	85·8	85·7	86·3	87·1	87·5	87·8	88·2	88·6	88·5	88·4	88·9	88·3	88·7	88·5	88·0	87·7	86·9	86·7	86·7	87·3
14	86·9	86·9	87·0	86·8	87·0	87·1	87·3	87·3	87·5	87·8	88·5	89·1	89·3	88·4	89·1	89·5	89·5	89·3	88·9	88·4	88·0	87·3	86·7	86·0	87·9
15	85·0	84·3	84·8	84·4	85·1	86·9	87·7	87·8	88·6	88·9	89·5	89·4	88·6	88·9	90·5	88·6	89·3	88·1	87·9	87·4	86·9	86·8	86·4	86·3	87·4
16	86·1	85·9	85·7	85·9	86·1	86·7	87·7	88·1	88·7	89·0	88·7	89·1	90·6	91·0	89·3	87·4	87·1	87·0	86·8	86·8	85·9	85·4	85·0	85·0	87·3
17	85·1	85·0	84·9	84·9	85·0	85·8	86·7	87·8	88·0	88·2	87·8	87·4	87·7	88·0	87·5	87·9	87·8	87·6	87·4	87·1	87·0	87·0	86·2	86·3	86·8
18	86·4	86·7	86·5	87·0	87·0	87·2	87·3	87·5	87·3	87·9	88·1	89·0	88·9	88·8	89·1	88·8	88·3	88·3	88·2	88·0	87·9	87·6	87·2	87·1	87·7
19	87·0	87·0	87·0	86·9	87·0	87·3	87·9	87·8	88·5	89·4	89·1	89·4	88·1	88·7	88·4	88·1	87·5	88·0	87·6	87·7	87·3	87·2	87·0	86·9	87·8
20	86·9	86·8	86·2	85·9	85·7	86·0	86·7	87·3	88·0	87·5	87·2	87·8	87·7	88·3	88·1	87·6	87·0	86·6	86·6	86·2	85·7	85·2	85·0	85·0	86·7
21	84·9	84·8	84·2	84·0	84·1	85·0	86·0	86·3	86·9	86·2	86·5	87·0	88·3	88·8	89·1	88·2	88·0	87·8	87·0	85·9	84·7	84·0	83·1	82·6	86·0
22	82·2	82·0	81·5	81·3	82·9	84·3	85·0	85·8	85·2	86·3	87·0	87·8	87·5	87·7	86·9	86·2	86·1	85·6	85·4	85·4	85·2	85·2	85·2	85·0	85·1
23	84·6	83·0	82·1	83·8	85·2	86·0	86·8	86·6	86·9	86·3	86·6	87·4	87·1	86·8	86·3	86·0	85·8	85·4	86·0	86·1	86·2	86·7	86·8	86·0	85·8
24	86·1	86·2	86·0	86·2	86·7	86·6	86·1	86·9	86·9	87·9	87·3	87·0	87·5	89·0	88·5	88·0	88·4	87·7	87·4	87·0	86·9	86·9	86·7	86·5	87·1
25	86·4	85·6	85·8	85·9	85·8	85·6	85·6	85·9	86·1	86·9	87·2	85·9	86·7	88·1	87·9	88·0	87·8	87·6	87·2	86·4	86·0	86·0	86·0	85·9	86·5
26	85·6	85·8	85·7	85·4	85·3	85·5	86·7	87·5	88·4	89·0	89·0	89·5	89·4	89·2	88·5	89·0	88·5	88·2	87·2	86·3	85·7	85·5	84·9	84·0	87·1
27	83·1	82·0	82·1	81·9	82·9	84·7	85·0	86·7	88·1	88·3	88·6	88·5	88·7	88·3	88·5	88·1	88·0	87·5	87·2	86·4	85·9	85·5	85·1	84·8	86·1
28	83·4	81·7	81·0	81·4	81·7	83·0	84·4	86·7	86·5	87·1	87·6	87·6	87·3	87·3	87·5	87·5	87·1	86·9	86·7	86·4	85·8	85·5	84·6	84·3	85·4
29	84·2	83·9	83·2	82·6	83·1	84·5	86·3	86·8	87·3	87·8	89·0	88·8	90·0	89·9	89·6	89·0	88·9	88·2	87·2	87·1	86·8	86·0	85·5	84·8	86·7
30	84·2	84·4	84·3	84·2	84·9	85·8	87·4	87·5	87·9	87·1	86·7	88·4	88·8	89·2	90·3	90·0	89·9	89·1	88·2	88·1	87·2	86·9	86·7	86·5	87·2
31	86·4	86·7	86·7	87·3	87·2	87·8	89·1	90·2	90·3	91·0	91·7	93·1	93·5	94·1	93·8	94·3	93·8	89·4	88·3	87·6	87·3	87·3	87·4	87·5	89·6
Mean	85·9	85·7	85·5	85·5	85·8	86·4	87·1	87·7	88·2	88·5	88·9	89·2	89·3	89·5	89·5	89·2	89·0	88·5	88·1	87·6	87·0	86·8	86·4	86·2	87·6

91 **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres AUGUST, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	86·9	86·5	86·2	86·2	85·8	86·1	88·0	88·1	88·4	89·0	88·2	89·5	89·8	87·8	87·3	88·1	87·2	88·0	87·8	87·1	86·7	86·6	86·1	85·6	87·4
2	84·4	85·1	85·2	85·5	86·1	86·5	86·2	86·1	86·4	86·3	86·5	86·4	86·6	87·3	87·8	89·0	88·4	88·0	88·4	88·0	87·6	87·4	87·4	87·5	86·8
3	87·1	86·8	86·5	86·0	86·2	86·7	87·2	87·5	87·7	87·0	87·4	88·0	88·8	89·6	87·9	87·1	85·6	86·6	86·1	86·2	86·2	86·0	86·0	85·6	86·9
4	85·3	84·8	84·7	84·6	84·5	84·5	85·4	86·2	87·2	87·2	88·2	88·2	86·3	86·4	87·0	87·1	87·5	86·2	85·8	85·3	84·1	83·9	83·9	83·5	85·6
5	83·3	83·1	82·5	82·5	82·6	83·3	84·1	85·3	85·6	85·8	86·9	87·0	87·4	87·9	87·6	87·4	87·0	87·0	86·6	85·8	84·3	84·1	84·7	84·9	85·3
6	84·9	84·3	84·0	84·1	84·2	85·2	85·4	85·5	85·7	85·9	86·5	86·5	87·1	87·1	86·8	86·5	86·5	86·5	86·0	85·7	84·5	83·2	81·6	81·0	85·3
7	81·1	80·0	80·1	79·3	79·3	81·5	84·2	87·1	87·8	88·6	89·5	89·7	90·4	90·6	90·3	89·7	89·5	89·0	88·6	87·4	86·6	86·1	85·7	86·5	86·1
8	86·5	86·2	86·2	85·5	85·9	86·7	87·2	88·7	91·0	91·3	92·5	93·5	94·2	94·3	92·3	93·8	92·7	91·9	91·1	90·5	89·6	89·6	89·4	89·2	89·9
9	88·8	88·1	87·6	87·0	86·7	86·8	86·9	86·8	87·1	86·2	86·4	86·3	86·7	86·8	86·6	86·5	87·1	86·6	86·3	86·2	85·7	85·7	85·2	84·5	86·7
10	83·8	83·4	83·2	83·3	83·9	83·7	84·4	85·1	85·2	85·7	86·7	86·7	86·8	88·4	88·4	88·9	88·6	87·7	86·7	84·9	85·0	85·2	85·1	84·4	85·6
11	84·3	83·4	82·4	81·7	81·3	81·5	83·9	86·4	89·3	91·0	90·4	90·6	90·8	90·1	90·4	90·0	89·4	88·6	87·9	87·2	87·1	87·2	86·9	86·8	87·0
12	86·7	86·5	86·5	86·3	86·4	86·1	86·4	86·4	86·5	86·9	87·3	87·3	87·4	87·8	87·9	88·0	89·0	90·2	88·8	88·1	87·7	86·8	85·7	85·4	87·2
13	85·6	85·8	85·6	85·3	85·1	84·8	85·9	87·1	87·2	86·5	87·0	87·0	87·1	88·9	88·6	88·4	87·7	87·8	87·6	87·5	87·3	86·9	86·9	86·9	86·8
14	86·7	86·5	86·4	86·3	86·4	86·7	87·5	88·2	87·9	87·6	87·3	87·3	88·7	89·0	89·4	89·8	90·0	90·5	89·9	89·5	89·1	88·9	88·7	88·1	88·2
15	88·5	87·8	88·0	88·2	88·3	88·7	89·1	90·0	92·0	92·5	93·0	93·7	92·0	92·9	93·5	92·0	92·1	92·2	91·2	90·7	90·0	89·1	88·3	87·8	90·5
16	88·0	87·4	86·5	86·0	85·9	86·5	87·1	89·2	90·9	90·6	91·9	92·6	92·9	92·4	93·1	92·9	93·0	94·2	92·4	91·0	90·0	89·0	88·6	88·3	90·0
17	88·5	87·7	87·5	87·2	87·5	87·5	88·2	88·7	89·1	89·2	88·8	88·5	89·1	89·5	88·7	91·6	90·7	90·4	89·8	89·9	89·4	88·5	87·3	86·1	88·8
18	85·6	85·7	85·4	85·5	85·0	84·7	85·4	86·3	87·8	88·8	89·7	90·5	91·0	90·7	90·6	91·2	90·9	90·3	88·2	87·2	86·2	85·6	85·2	84·8	87·6
19	84·3	83·9	83·4	83·0	84·0	84·7	84·9	85·4	87·0	88·2	89·6	90·3	89·2	89·2	88·8	88·0	88·3	87·9	87·9	87·0	86·5	85·8	85·0	85·2	86·6
20	84·2	82·0	80·9	80·7	80·1	82·7	83·8	85·9	87·4	88·8	88·7	88·6	89·5	89·3	91·0	90·9	90·0	89·9	89·7	88·9	88·3	87·6	87·3	87·2	86·8
21	86·9	86·9	86·8	86·0	85·7	85·8	86·5	87·5	89·3	89·9	90·9	90·9	91·9	91·9	91·7	90·6	89·9	89·0	86·7	87·0	86·2	85·4	84·6	84·7	88·1
22	85·2	84·8	84·5	84·6	84·4	84·6	85·7	86·3	87·6	88·2	88·6	88·7	89·3	89·7	89·7	90·0	89·3	88·8	88·1	87·5	87·5	87·5	86·9	86·3	87·2
23	86·4	86·5	86·5	85·9	85·7	86·0	88·7	90·0	91·0	90·4	89·9	90·2	89·7	90·0	90·9	92·9	92·5	92·4	92·4	91·0	90·2	89·2	88·8	87·5	89·3
24	86·7	85·4	84·9	85·0	84·0	83·3	87·5	88·8	89·5	90·1	91·5	91·7	92·1	93·0	94·0	92·0	91·8	92·3	89·3	88·3	88·1	88·5	89·0	88·7	89·0
25	88·5	89·1	89·2	90·1	89·3	88·1	87·9	87·6	88·5	87·5	87·1	87·7	89·1	89·3	90·2	89·5	88·9	88·2	87·2	86·7	86·6	86·5	86·4	86·2	88·2
26	86·4	86·3	86·3	86·1	85·6	85·7	86·9	87·7	88·6	88·8	89·5	90·4	90·9	91·3	91·1	91·0	91·0	90·7	89·1	88·6	88·7	88·3	87·8	87·2	88·5
27	86·6	85·4	85·7	84·4	82·9	82·9	85·1	87·2	91·2	93·1	94·3	94·5	94·2	93·7	92·7	92·2	91·5	90·2	89·5	88·2	87·7	87·4	87·0	86·3	88·9
28	85·5	85·6	85·3	83·4	82·7	82·7	84·3	85·8	89·3	91·2	91·1	92·1	92·1	93·2	93·4	94·6	91·9	90·0	89·2	87·9	86·9	86·2	86·6	87·0	88·2
29	87·3	86·6	86·5	85·7	85·1	84·7	86·3	88·9	89·3	88·9	88·8	89·3	90·4	90·7	90·1	89·5	89·5	89·2	89·2	88·6	88·4	89·7	90·3	90·8	88·4
30	89·6	89·0	88·9	88·8	89·3	88·6	88·7	89·2	89·8	90·4	90·3	90·8	90·9	90·4	90·1	90·4	89·8	89·0	88·5	88·3	87·8	86·9	86·6	86·7	89·2
31	86·0	85·4	85·2	84·1	85·0	85·0	86·5	87·4	88·0	88·3	89·0	89·7	90·3	90·4	90·7	90·3	89·8	89·3	87·9	86·6	86·0	85·2	85·3	84·7	87·4
Mean	86·1	85·7	85·4	85·1	85·0	85·2	86·3	87·3	88·3	88·7	89·1	89·5	89·8	90·0	90·0	90·0	89·6	89·3	88·5	87·8	87·3	86·9	86·6	86·3	87·7

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

92 **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres — **SEPTEMBER, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	84·7	84·7	84·0	82·9	83·7	84·1	85·1	85·3	86·2	86·0	87·2	87·5	86·3	85·7	85·5	85·3	85·0	84·7	84·6	84·4	84·2	83·3	82·9	83·0	84·9
2	83·0	83·1	83·3	83·3	83·4	83·6	83·5	83·7	83·9	83·9	84·0	84·3	84·3	84·4	84·8	85·2	85·5	85·5	85·5	85·5	85·4	85·5	85·6	85·8	84·4
3	86·0	86·2	86·3	86·3	86·5	86·6	86·6	86·7	87·0	87·1	87·5	87·4	87·6	88·4	88·5	88·2	88·2	87·8	87·7	87·4	87·3	87·6	87·1	87·1	87·2
4	87·0	87·0	87·0	86·9	86·8	86·9	87·1	87·0	88·0	89·1	89·8	90·1	90·1	89·3	89·0	88·7	88·1	87·2	86·8	86·7	86·2	86·3	86·2	86·1	87·7
5	86·1	86·0	86·0	86·1	86·3	86·2	86·3	87·0	88·3	89·4	89·2	90·0	90·9	90·7	91·3	91·3	90·1	89·3	88·9	88·4	88·3	87·6	87·2	87·0	88·2
6	86·8	86·3	86·0	86·2	86·4	85·6	86·5	87·0	88·0	89·1	89·9	89·9	89·8	88·9	89·5	87·7	87·7	87·3	87·2	86·6	86·0	86·0	86·1	86·0	87·4
7	86·0	85·3	85·7	86·0	86·1	86·1	86·2	86·5	86·4	86·0	86·1	86·2	86·9	87·1	86·1	86·2	86·1	86·0	85·7	85·4	85·3	85·3	85·0	85·0	86·0
8	86·0	86·0	85·8	85·9	86·6	86·4	86·8	87·0	87·8	88·1	88·2	89·0	89·2	89·1	89·1	88·9	88·4	88·2	87·1	86·2	85·4	85·0	84·4	84·3	87·1
9	84·0	84·5	84·3	83·8	82·9	82·9	85·0	87·4	87·2	88·4	88·6	88·3	87·5	87·2	87·8	87·5	87·3	87·1	87·0	86·9	87·0	86·9	86·7	86·6	86·3
10	86·7	86·5	86·6	86·5	86·3	86·3	86·3	86·4	86·4	86·5	86·5	86·5	86·6	86·6	86·9	87·1	87·1	87·0	86·9	86·8	86·8	86·9	86·7	86·8	86·7
11	86·8	86·7	86·7	86·6	86·7	86·9	86·9	87·0	87·8	87·7	88·5	88·3	88·5	88·4	88·2	88·0	87·5	87·5	87·3	87·3	87·2	87·2	87·4	87·6	87·4
12	87·5	87·3	87·2	87·1	87·1	87·0	87·3	87·2	87·4	87·4	87·4	87·3	87·6	87·1	86·9	86·9	86·9	87·0	86·8	86·9	87·2	87·6	86·9	86·4	87·1
13	84·0	83·8	83·3	82·5	81·5	80·9	81·8	83·7	86·1	88·3	87·2	85·9	85·3	85·5	87·2	87·1	87·2	87·1	86·4	86·4	85·9	85·4	85·0	84·1	85·1
14	83·2	82·9	83·5	84·6	84·9	84·7	84·7	85·1	85·4	85·7	86·4	86·3	86·6	86·7	86·8	86·4	85·7	85·3	85·3	85·1	85·0	85·2	85·3	85·5	85·2
15	86·0	86·0	85·9	85·6	85·4	85·2	85·6	86·1	86·6	87·2	87·4	87·3	87·1	87·2	87·4	87·1	86·9	86·7	86·6	86·6	86·5	86·3	86·2	85·6	86·4
16	85·0	84·8	85·1	85·1	84·8	84·7	84·9	85·4	86·5	87·5	87·4	87·1	87·1	87·2	87·2	87·2	86·9	86·5	86·1	86·3	85·9	86·2	86·3	86·3	86·1
17	86·1	85·8	86·1	86·1	86·0	86·1	86·3	86·8	87·5	87·7	87·5	87·9	87·9	87·8	87·4	87·4	87·0	86·9	86·7	86·5	86·7	86·8	86·9	86·8	86·9
18	86·4	85·8	85·5	85·4	85·3	85·3	85·2	85·6	85·9	86·4	86·9	86·9	87·2	86·8	86·6	86·9	86·7	86·7	86·6	86·7	86·7	86·6	86·5	86·2	86·3
19	86·1	86·0	85·9	85·8	85·7	85·8	85·8	86·1	86·5	86·9	87·0	87·5	87·8	87·8	87·4	87·3	86·9	86·7	86·5	86·4	85·7	85·8	85·7	85·9	86·5
20	85·7	85·6	85·5	85·4	85·3	85·5	85·6	86·1	86·9	87·2	87·5	87·8	87·7	87·6	87·4	87·1	87·0	86·9	86·8	86·9	86·9	87·0	86·8	86·6	86·6
21	86·5	86·4	86·2	86·0	86·0	85·9	86·0	86·5	87·2	88·0	88·1	88·4	88·8	89·8	89·8	89·6	89·2	88·2	86·7	87·2	87·3	86·6	86·6	86·1	87·4
22	85·7	86·1	85·6	84·4	83·9	84·7	85·8	86·6	87·2	88·5	90·3	92·0	92·2	88·2	86·7	86·4	86·0	85·4	84·8	84·0	83·2	81·3	81·1	81·0	86·0
23	81·0	81·4	80·9	80·7	81·3	81·3	82·6	84·0	85·9	86·1	87·5	87·5	87·6	87·4	87·0	86·4	85·9	85·3	85·4	85·5	85·5	85·3	85·3	84·7	84·6
24	84·1	83·8	83·9	83·5	83·5	83·5	84·3	85·0	85·4	85·5	85·8	85·5	85·9	86·4	86·3	86·3	86·3	86·1	86·0	85·9	85·8	85·6	85·3	85·3	85·2
25	85·5	85·7	85·7	85·5	85·1	85·0	84·5	84·6	84·6	84·7	84·5	84·7	84·4	84·7	84·1	83·3	82·6	81·9	81·3	80·7	80·4	80·7	80·3	79·8	83·6
26	79·0	77·6	77·0	76·5	76·8	78·2	78·6	79·5	81·3	81·7	82·2	81·3	82·6	82·0	81·9	81·2	81·3	80·8	80·1	80·0	80·3	80·3	79·9	79·9	80·0
27	80·3	81·5	81·8	82·3	81·6	81·1	81·2	82·2	82·2	83·0	84·5	83·9	84·4	83·4	83·1	83·3	81·9	81·5	80·9	80·6	80·3	80·7	80·2	78·6	81·9
28	80·0	79·9	78·3	78·0	77·9	77·4	77·7	79·6	82·0	82·7	83·2	83·8	83·7	84·0	84·3	84·1	83·9	82·9	82·0	82·5	81·8	82·0	81·0	80·4	81·3
29	80·9	81·5	81·7	82·0	82·1	82·2	82·6	82·8	83·7	84·3	84·4	84·7	84·8	85·0	85·0	84·6	84·2	83·9	83·7	83·6	83·1	82·9	82·8	82·6	83·3
30	82·4	82·2	82·4	81·8	81·8	81·9	81·9	82·1	83·0	83·8	84·0	84·5	83·3	83·8	84·3	84·1	83·7	83·3	83·0	82·3	82·4	82·1	82·1	82·1	82·9
Mean	84·6	84·5	84·4	84·3	84·3	84·3	84·6	85·2	85·9	86·5	86·8	86·9	87·0	86·8	86·8	86·6	86·2	85·9	85·5	85·4	85·2	85·1	84·9	84·6	85·5

93 **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres — **OCTOBER, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	82·0	81·6	81·0	80·0	80·6	80·9	81·5	82·2	82·9	83·6	83·9	84·1	84·2	84·0	84·1	84·1	83·9	83·6	83·2	83·1	83·0	82·3	81·9	81·8	82·7
2	81·6	81·7	81·8	81·5	80·9	80·9	81·5	82·2	83·2	84·0	84·9	85·0	85·5	85·3	85·3	85·0	84·4	83·5	82·7	82·1	82·0	81·7	82·2	82·0	82·9
3	81·4	81·0	80·5	79·4	80·0	80·0	80·4	80·3	80·9	82·8	84·2	84·8	85·3	86·1	86·0	85·5	84·9	83·7	82·7	81·3	79·9	78·7	78·1	77·3	82·0
4	76·4	77·1	77·4	78·2	79·8	80·5	81·3	81·9	82·8	82·7	82·8	83·0	83·2	83·3	83·5	83·5	82·8	82·6	82·3	82·2	82·3	82·4	82·4	82·2	81·5
5	82·8	82·6	81·9	81·0	80·8	79·9	80·8	82·7	83·3	83·7	84·7	84·7	84·9	84·9	84·3	83·9	83·4	82·4	80·3	78·3	77·4	77·3	77·4	75·7	81·8
6	76·2	75·5	75·2	75·0	75·0	75·3	75·3	76·6	78·7	81·0	83·4	83·9	84·0	83·7	83·6	83·5	83·0	81·6	79·7	79·1	78·2	76·7	76·3	75·9	79·0
7	75·5	75·1	74·6	74·5	74·3	74·4	74·4	75·5	78·0	80·8	82·7	82·9	83·6	83·8	84·0	83·4	82·6	81·3	79·8	78·7	77·2	76·3	75·6	75·5	78·5
8	75·1	74·8	74·8	74·5	74·8	74·5	74·9	75·5	76·6	78·3	81·0	82·7	83·6	83·5	83·4	83·3	82·9	82·5	82·0	81·8	81·5	81·3	81·5	81·5	79·3
9	81·4	81·1	80·8	80·5	80·4	80·4	80·2	80·9	81·9	82·0	82·7	83·3	83·7	83·7	83·2	82·8	82·4	81·9	81·3	81·3	81·2	81·0	81·0	81·0	81·7
10	80·9	80·9	80·8	80·7	80·6	80·5	80·6	80·9	81·3	82·7	83·5	83·8	84·1	84·0	83·7	83·8	83·0	81·9	81·5	81·5	81·4	80·8	80·9	81·0	81·9
11	81·0	81·1	81·5	81·6	82·4	82·8	83·1	83·7	83·7	84·5	85·2	85·6	85·8	86·0	85·7	84·3	84·2	83·7	83·7	83·4	83·5	83·7	83·1	83·4	83·6
12	83·1	83·5	84·1	84·0	84·2	83·8	83·3	83·8	85·2	86·2	86·7	86·7	87·3	87·7	87·0	86·3	85·8	86·1	84·3	84·0	84·0	83·4	81·6	81·0	84·8
13	80·9	80·5	80·2	79·5	79·3	79·6	79·2	79·5	79·5	80·6	81·1	81·3	81·7	82·3	82·0	81·3	80·5	79·5	79·4	80·3	80·4	80·0	79·8	80·3	80·4
14	80·4	80·3	80·4	81·1	81·7	82·9	82·7	83·0	83·3	83·7	84·3	84·2	84·3	84·3	83·9	84·3	84·0	83·4	83·1	83·1	83·3	83·1	83·3	83·8	82·9
15	83·9	84·6	84·7	85·3	86·1	84·7	83·9	84·0	84·5	85·0	85·6	85·5	85·7	86·2	85·6	85·5	84·2	83·2	82·9	82·4	82·3	82·2	81·5	83·1	84·3
16	83·2	83·3	82·7	83·2	83·4	82·7	82·7	83·4	83·9	84·4	84·5	85·0	85·8	85·2	85·0	84·5	84·1	83·9	83·0	83·3	83·4	82·7	82·5	82·0	83·7
17	82·3	82·8	84·0	84·9	85·2	85·3	85·4	86·0	86·5	87·9	87·6	88·0	87·2	86·7	86·2	85·5	84·5	82·9	82·1	82·5	82·6	81·9	81·9	82·7	84·7
18	82·0	81·5	80·0	81·0	81·1	81·3	80·7	80·6	81·0	81·8	82·2	82·8	82·6	81·7	82·7	81·3	80·3	80·1	79·9	79·6	79·5	79·7	79·8	80·0	81·0
19	80·0	79·8	79·1	78·6	77·9	76·5	76·2	76·4	80·3	80·8	80·5	80·4	80·3	80·9	80·4	79·9	78·6	78·2	78·4	78·8	78·8	78·0	78·0	77·7	79·0
20	77·2	77·2	77·3	76·9	77·1	77·6	77·9	78·0	79·3	80·0	80·9	80·9	80·8	80·9	80·7	80·0	80·1	80·4	80·5	82·0	82·9	84·3	84·6	84·4	79·9
21	84·7	84·4	85·0	85·0	84·6	84·9	85·1	85·0	85·6	86·5	87·3	87·7	88·3	89·5	89·4	89·2	88·3	88·0	88·2	88·5	88·4	88·4	88·3	87·5	86·9
22	87·3	87·2	87·7	87·8	87·2	86·4	86·3	86·2	87·2	88·9	90·7	90·6	91·1	90·7	90·3	89·3	87·3	86·1	85·6	85·4	84·9	84·5	84·4	84·2	87·5
23	84·3	84·7	84·6	84·5	84·5	84·5	84·6	84·5	85·0	85·3	85·7	85·3	85·5	85·5	85·6	85·3	83·9	82·9	82·3	81·7	81·0	80·5	80·6	80·3	83·9
24	80·7	81·1	80·7	80·3	80·1	80·1	80·1	80·5	81·0	81·8	82·5	83·1	83·4	83·7	82·8	83·2	83·5	84·2	84·5	84·8	84·7	84·8	84·5	84·0	82·4
25	83·5	82·5	81·9	81·0	80·0	80·2	79·4	78·8	79·7	80·8	81·0	81·6	81·0	81·4	80·4	79·8	78·9	78·3	77·9	77·5	77·5	77·3	77·1	77·0	79·9
26	76·8	77·3	77·0	76·1	75·5	76·1	76·7	77·4	78·0	78·6	79·1	80·1	80·2	80·4	80·5	80·9	81·4	81·7	81·6	81·1	79·5	80·0	80·1	80·8	79·0
27	79·1	77·6	77·6	77·7	79·0	78·7	79·0	79·0	79·0	79·3	80·2	79·6	79·9	79·8	78·9	78·3	77·7	77·8	77·5	78·2	77·9	78·5	79·0	78·5	78·7
28	79·1	79·3	79·6	79·3	79·3	79·1	79·3	79·6	79·8	80·0	80·2	80·7	81·1	81·3	80·4	80·3	79·3	78·5	78·0	76·9	76·0	75·2	75·0	75·1	78·9
29	74·8	75·6	76·9	77·5	78·4	78·3	78·5	79·4	80·4	80·9	81·2	81·9	83·3	83·5	84·5	84·7	84·5	84·6	85·0	85·4	85·9	83·7	83·4	82·9	81·3
30	82·6	82·6	82·4	81·7	81·9	81·6	81·3	81·1	82·3	83·3	83·5	83·7	83·7	83·8	83·6	82·9	82·1	80·8	80·0	78·9	78·6	78·9	78·4	78·4	81·7
31	76·8	77·3	76·6	76·8	76·7	76·7	76·3	77·0	77·2	80·3	81·4	82·3	82·5	82·9	82·7	82·1	81·6	80·3	80·1	79·1	78·7	78·6	79·3	79·0	79·3
Mean	80·5	80·5	80·4	80·3	80·4	80·4	80·4	80·8	81·7	82·7	83·4	83·7	84·0	84·1	83·9	83·5	82·8	82·2	81·7	81·5	81·2	80·9	80·8	80·7	81·3
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

94 **ABERDEEN**: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres **NOVEMBER, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	78·7	78·7	78·9	78·3	78·2	78·0	78·1	79·2	79·9	81·3	81·5	81·3	80·9	80·8	81·2	81·3	81·3	80·7	80·3	79·3	80·3	81·6	82·2	81·0	80·1
2	79·7	79·3	79·1	78·4	78·9	78·5	78·0	77·7	77·9	79·0	79·7	80·2	80·9	80·8	80·3	80·0	80·0	80·1	80·2	80·2	81·2	81·7	82·0	81·8	79·8
3	81·1	82·0	81·9	80·9	81·4	80·6	80·0	80·7	81·8	82·1	83·1	84·0	83·9	84·1	83·8	82·8	82·3	80·7	80·3	80·5	80·3	80·3	79·3	78·5	81·6
4	80·5	80·6	80·5	81·7	81·2	80·5	80·1	79·6	80·4	81·1	81·9	82·3	82·7	82·4	82·0	81·3	80·7	80·7	80·2	80·7	80·6	80·3	80·4	80·5	80·9
5	80·0	79·8	79·9	79·2	79·0	79·1	78·9	78·5	79·5	80·1	81·0	81·4	81·3	81·2	81·2	81·0	79·9	80·1	80·0	80·0	79·5	79·1	79·0	78·9	79·9
6	78·2	78·9	78·1	78·0	78·2	78·0	77·5	77·9	78·9	79·7	81·0	81·3	82·2	82·4	82·3	82·1	82·1	82·2	82·3	82·3	82·2	82·4	82·4	82·3	80·5
7	82·0	82·4	82·5	82·6	82·5	82·3	82·3	82·3	82·0	81·7	81·7	81·7	81·4	80·5	80·8	80·4	79·3	82·2	82·4	82·5	82·4	82·5	82·2	82·3	81·9
8	82·3	81·8	81·1	81·0	81·0	80·5	80·3	79·2	79·1	79·7	79·9	80·9	81·0	80·8	80·0	80·1	80·2	81·0	80·9	80·9	80·3	80·1	80·0	79·9	80·5
9	79·1	79·0	79·4	79·8	78·3	77·1	77·9	77·9	76·9	77·8	79·5	80·0	81·0	80·9	80·5	79·0	77·9	77·1	75·7	75·2	74·4	74·2	73·7	73·9	77·9
10	74·0	73·5	73·1	73·0	72·5	73·1	72·6	72·7	74·2	75·4	78·0	79·4	80·7	80·7	80·5	79·2	79·8	79·5	77·3	76·5	77·1	76·5	76·5	77·0	76·3
11	76·1	76·0	76·0	76·7	75·7	75·1	74·9	74·9	75·2	77·1	78·6	80·0	80·9	80·6	80·4	79·6	78·4	77·8	80·5	81·0	81·3	81·4	81·4	80·9	78·3
12	81·1	81·2	81·3	81·3	81·5	81·7	81·9	81·5	82·0	82·0	81·0	81·2	81·6	81·5	81·0	80·2	80·1	80·0	80·0	80·0	79·8	79·7	79·3	79·2	80·9
13	79·3	78·9	78·4	77·5	77·0	78·0	77·9	76·9	76·3	77·6	78·8	79·8	79·2	79·1	78·6	77·9	77·0	75·3	75·5	74·9	75·1	76·6	77·2	76·9	77·5
14	76·3	76·8	77·5	77·9	78·1	78·8	79·1	79·2	79·3	79·7	80·0	80·7	80·6	80·3	80·0	79·7	79·4	79·8	79·8	79·0	78·7	78·2	78·4	77·9	78·9
15	77·5	77·2	76·6	75·9	76·6	76·2	76·9	77·9	79·0	80·4	80·8	81·1	82·0	77·2	78·0	76·9	77·0	76·4	76·3	76·5	76·2	77·1	77·9	77·3	77·7
16	79·9	79·7	79·8	79·3	79·0	78·8	78·2	77·9	78·9	79·5	79·8	80·0	80·5	80·4	80·2	79·2	78·5	78·0	77·1	76·6	76·7	76·3	75·9	75·9	78·6
17	75·3	75·2	75·6	75·9	76·0	76·5	76·5	77·0	77·9	78·3	78·9	79·2	79·5	79·6	80·0	79·8	79·0	78·6	79·4	79·6	79·2	79·3	78·2	77·7	78·0
18	78·9	79·4	78·0	77·9	78·0	78·1	77·4	78·0	78·2	79·0	79·4	80·7	81·0	81·1	80·9	80·1	78·3	77·3	77·4	76·3	76·3	76·4	75·9	75·9	78·4
19	75·2	75·7	76·3	77·1	76·7	77·7	77·7	78·1	78·7	79·0	79·4	79·5	79·6	79·3	78·9	78·7	78·2	78·5	78·5	78·7	79·0	79·1	79·1	77·5	78·1
20	76·9	76·1	76·3	77·1	77·2	77·0	76·7	75·9	76·3	77·3	78·6	80·4	81·5	82·0	81·4	80·1	78·7	77·7	76·3	76·5	75·8	76·3	75·4	74·8	77·7
21	74·2	73·9	73·5	72·8	74·0	72·7	72·3	72·4	72·1	73·4	74·2	77·5	78·6	80·4	80·8	80·0	78·9	77·9	76·9	76·1	75·0	75·6	74·9	74·2	75·5
22	75·7	75·0	72·9	72·8	73·0	73·6	72·9	73·3	73·3	74·2	75·6	76·9	78·0	78·8	78·0	76·4	75·3	74·9	73·9	74·1	73·6	73·9	74·1	73·4	74·8
23	73·0	73·3	72·9	73·0	72·2	73·9	74·3	74·5	74·5	74·6	75·3	76·0	77·0	77·3	77·0	75·6	75·0	73·3	72·8	72·2	71·3	71·2	71·9	72·0	73·9
24	71·0	70·1	71·1	70·1	70·6	69·9	70·3	70·8	71·4	73·0	74·2	74·5	74·9	75·0	75·1	74·8	74·5	74·1	74·5	75·4	74·5	75·7	75·6	72·9	73·0
25	75·5	75·6	75·8	77·5	78·3	78·2	78·4	78·1	77·2	77·5	78·1	79·3	80·0	79·8	79·0	78·3	78·9	78·7	78·5	78·5	78·4	78·3	78·1	78·1	78·0
26	78·0	78·2	78·3	78·3	78·0	77·7	77·9	77·9	77·9	77·9	77·9	78·2	78·0	78·8	79·0	79·2	79·1	78·9	78·4	77·9	77·8	77·7	77·2	77·0	78·2
27	77·2	76·2	75·0	74·5	74·7	74·6	74·2	75·0	74·5	74·9	75·9	77·5	78·2	77·7	77·5	77·6	77·1	78·0	77·9	77·8	77·3	77·1	76·3	76·1	76·4
28	75·7	75·4	75·0	75·6	75·0	74·7	75·0	75·4	75·9	76·3	77·0	77·9	77·9	78·3	77·8	77·0	76·7	76·9	77·0	77·9	77·8	77·2	77·4	77·8	76·6
29	77·7	79·4	79·1	79·3	79·2	79·9	80·0	79·9	81·1	84·8	85·3	84·4	85·3	84·8	84·2	84·4	83·6	83·0	83·0	83·1	83·3	83·7	83·0	85·5	82·2
30	85·9	85·4	84·7	84·9	83·3	82·6	82·2	81·6	81·1	80·6	81·1	81·0	80·8	79·7	79·0	78·7	78·4	77·5	76·4	77·3	76·1	76·7	75·7	76·1	80·5
Mean	77·9	77·8	77·6	77·6	77·5	77·5	77·3	77·4	77·7	78·4	79·2	79·9	80·4	80·2	80·0	79·4	78·9	78·6	78·3	78·2	78·1	78·2	78·0	77·9	78·4

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Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	77·0	76·4	77·1	77·9	77·6	77·7	77·6	76·8	75·4	76·7	77·9	77·1	78·0	78·0	76·9	77·0	76·1	77·1	76·9	76·1	76·6	76·9	76·5	76·8	77·0
2	77·3	77·5	77·5	77·6	77·2	77·0	76·8	76·5	76·3	76·0	75·9	75·5	76·3	76·2	75·9	75·4	75·2	75·3	75·1	75·0	74·7	74·2	74·2	74·1	76·0
3	74·0	73·9	73·7	73·7	73·9	74·2	74·2	74·4	74·4	74·5	75·1	75·5	76·8	76·5	77·1	79·0	77·6	78·6	80·7	81·8	82·5	83·0	83·0	82·2	76·9
4	80·9	80·9	79·5	79·5	80·3	80·1	78·3	77·6	77·6	75·9	75·5	76·4	75·1	75·6	75·1	74·3	74·2	74·1	74·2	73·7	74·1	74·1	73·9	74·0	76·6
5	74·0	74·5	74·6	76·0	75·2	74·2	73·8	73·0	72·6	73·3	73·5	74·3	75·0	75·8	75·4	74·8	74·1	73·7	73·2	72·9	72·8	72·7	72·4	72·8	74·0
6	72·9	73·1	73·6	73·8	73·7	74·0	74·5	75·0	75·1	74·8	75·2	75·9	75·4	74·3	74·9	74·4	73·6	74·4	73·4	73·0	71·4	72·3	71·8	71·8	73·9
7	71·5	71·9	71·3	70·9	71·0	71·0	71·3	71·0	72·0	72·4	73·0	73·5	72·7	73·0	73·0	72·5	72·3	71·9	72·5	73·3	73·8	73·9	74·8	76·0	72·4
8	75·1	75·1	76·5	77·3	77·3	77·4	77·4	77·5	77·4	77·3	78·2	78·8	78·9	78·5	77·9	77·5	77·6	77·2	77·1	77·5	77·1	75·4	77·0	76·5	77·2
9	76·1	76·1	74·9	75·3	74·9	73·9	74·5	74·0	74·1	75·1	76·4	77·0	77·0	76·8	76·9	76·9	76·3	76·6	77·1	77·4	77·6	77·7	78·0	77·9	76·2
10	78·0	78·3	78·3	78·7	78·5	78·6	79·3	79·3	79·1	79·3	80·0	80·4	80·3	80·3	79·9	79·9	79·7	79·7	79·8	79·7	79·7	79·5	79·5	79·4	79·4
11	79·2	79·0	79·3	79·0	79·1	79·1	79·0	78·5	78·3	78·4	78·2	78·5	78·1	77·6	77·3	77·2	77·2	76·8	76·9	76·9	77·3	77·6	77·6	77·7	78·1
12	77·3	76·9	76·9	76·8	76·6	76·0	75·9	75·9	76·0	76·2	76·5	76·6	77·2	77·3	77·0	76·1	75·9	75·5	75·0	75·0	75·0	74·6	74·3	74·7	76·1
13	74·3	73·9	73·4	73·1	72·9	73·1	72·9	73·1	73·4	73·9	74·3	75·0	75·5	76·4	77·3	77·9	78·4	78·8	79·1	79·0	79·5	79·4	79·4	79·4	75·8
14	79·3	79·3	79·6	80·0	80·2	80·0	79·9	79·9	79·9	79·3	79·5	79·4	78·8	78·3	77·9	76·9	76·4	76·6	76·6	76·3	76·0	75·9	75·9	75·5	78·3
15	75·0	75·4	75·4	76·0	75·3	75·1	75·3	74·6	74·9	75·3	76·1	76·7	76·9	76·6	76·6	76·0	76·1	76·0	77·0	77·9	78·5	78·7	79·3	79·0	76·3
16	79·2	79·0	79·5	79·9	80·5	80·0	80·0	79·5	79·0	78·4	78·5	78·3	77·9	77·7	77·0	76·3	75·8	76·1	75·9	76·4	75·9	76·1	76·3	76·0	77·9
17	76·3	76·1	76·2	76·4	76·3	75·9	77·0	77·8	78·0	78·5	79·9	80·0	80·0	80·2	80·3	80·4	81·1	81·5	81·4	83·7	82·1	82·4	82·6	82·1	79·3
18	81·6	81·4	81·5	81·1	81·0	81·0	81·0	80·6	80·9	80·3	80·2	80·0	80·0	80·7	80·1	80·1	79·5	79·0	79·4	78·6	78·3	77·1	77·3	77·0	80·0
19	76·6	76·7	76·9	76·4	76·0	76·5	76·7	76·5	76·2	77·0	77·3	77·8	77·9	78·3	79·0	79·2	80·0	80·3	80·7	81·7	82·2	82·6	83·0	83·0	78·6
20	83·1	83·2	83·5	83·6	83·9	83·9	83·7	83·6	83·6	83·9	84·0	84·1	84·2	84·2	84·0	83·9	83·9	83·9	83·3	82·9	82·6	81·7	81·6	81·2	83·4
21	80·9	80·3	80·5	80·1	79·9	79·4	79·4	79·8	79·8	79·9	80·0	80·3	80·6	81·1	81·1	80·8	80·5	80·5	80·5	80·4	80·1	80·0	79·5	79·2	80·2
22	79·1	79·0	79·2	79·1	79·0	78·7	78·5	78·3	78·2	77·5	78·0	78·4	78·5	78·7	78·1	77·3	76·7	76·0	75·6	76·8	77·1	77·1	76·6	76·1	77·9
23	75·8	75·4	75·3	75·1	75·0	74·9	75·4	75·9	76·0	76·1	76·8	77·0	77·4	78·5	78·1	80·1	80·0	80·8	81·0	79·9	80·0	80·0	81·3	81·0	77·7
24	82·5	83·0	81·7	82·0	82·6	82·8	82·8	82·9	82·4	82·3	82·8	84·2	84·5	84·9	84·4	83·6	83·2	83·0	83·0	82·9	82·9	83·0	84·4	84·2	83·1
25	83·9	83·1	82·8	81·5	81·2	80·9	80·4	80·3	80·1	80·8	81·0	81·2	81·4	81·2	81·1	80·9	80·9	80·9	80·8	80·7	80·8	80·7	80·8	81·0	81·3
26	80·9	80·6	80·5	80·0	80·2	80·0	80·0	79·5	79·1	78·3	78·9	79·7	80·1	79·8	79·6	78·4	77·2	76·0	75·3	75·5	74·8	74·0	73·9	73·4	78·3
27	73·0	73·5	74·0	74·2	73·8	73·6	73·2	73·5	73·4	73·9	74·8	76·0	76·3	77·1	77·2	77·5	77·7	77·9	78·0	78·2	78·4	78·6	78·8	78·6	75·8
28	78·7	78·9	78·9	78·7	78·6	78·4	78·3	78·0	78·0	78·0	78·0	78·0	78·0	77·9	77·9	77·6	77·9	77·7	77·3	77·2	77·2	76·6	76·6	76·3	77·9
29	76·1	76·0	75·8	75·5	75·4	75·7	75·9	75·4	75·4	76·0	76·2	76·9	77·0	77·0	77·1	77·7	77·5	77·1	76·7	76·3	75·7	76·0	76·0	77·5	76·3
30	76·5	76·7	76·9	77·3	77·0	76·2	76·6	76·5	77·1	78·1	78·6	80·0	80·7	81·0	81·4	81·8	82·0	82·2	82·4	82·8	82·2	83·1	83·2	82·3	79·6
31	82·3	81·9	82·0	82·1	82·3	84·1	84·3	82·5	81·6	82·0	82·5	82·7	82·5	82·2	81·9	81·4	81·3	81·0	80·9	81·0	80·0	81·0	80·4	80·3	81·9
Mean	77·7	77·6	77·6	77·7	77·6	77·5	77·5	77·3	77·3	77·4	77·8	78·2	78·4	78·4	78·3	78·2	77·9	77·9	78·0	78·1	77·9	77·9	78·1	78·0	77·9
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES
From Readings in degrees absolute at exact hours, Greenwich Mean Time

96 ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres 1936

Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
80·11	79·93	79·77	79·68	79·78	80·02	80·48	80·91	81·40	81·87	82·32	82·66	82·84	82·88	82·82	82·57	82·27	81·98	81·59	81·26	80·93	80·71	80·50	80·30	81·23

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change †

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Month	Mean	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	275·87	-0·48	-0·67	-0·88	-0·81	-0·76	-0·63	-0·33	-0·14	-0·15	+0·07	+0·43	+0·76	+1·10	+1·12	+1·05	+0·70	+0·49	+0·27	+0·10	-0·04	-0·19	-0·25	-0·32	-0·49
Feb.	275·75	-0·62	-0·77	-0·88	-0·99	-0·94	-1·02	-0·89	-0·74	-0·55	-0·12	+0·37	+0·75	+1·19	+1·38	+1·43	+1·14	+0·86	+0·72	+0·41	+0·19	-0·04	-0·17	-0·35	-0·43
Mar.	278·25	-0·83	-0·92	-1·08	-1·14	-1·14	-1·17	-1·18	-0·87	-0·21	+0·41	+1·01	+1·44	+1·59	+1·57	+1·48	+1·28	+0·92	+0·56	+0·21	-0·06	-0·23	-0·38	-0·55	-0·71
Apr.	278·53	-1·83	-1·98	-2·13	-2·20	-2·18	-1·68	-0·79	-0·05	+0·68	+1·23	+1·66	+2·19	+2·18	+2·22	+2·24	+2·03	+1·52	+1·30	+0·60	-0·14	-0·69	-1·09	-1·45	-1·63
May	281·87	-1·29	-1·59	-1·83	-2·07	-1·78	-1·12	-0·15	+0·51	+1·02	+1·25	+1·31	+1·49	+1·47	+1·43	+1·34	+1·04	+1·02	+0·71	+0·33	-0·15	-0·36	-0·66	-0·92	-1·13
June	285·49	-2·24	-2·67	-2·99	-3·08	-2·40	-1·37	-0·22	+0·49	+0·93	+1·35	+1·72	+1·73	+1·73	+1·81	+1·84	+1·77	+1·88	+1·76	+1·27	+0·59	-0·10	-0·81	-1·30	-1·72
July	287·57	-1·64	-1·88	-2·05	-2·09	-1·77	-1·16	-0·45	+0·17	+0·60	+0·96	+1·35	+1·66	+1·70	+1·90	+1·95	+1·67	+1·44	+0·92	+0·51	+0·04	-0·53	-0·80	-1·13	-1·35
Aug.	287·66	-1·58	-2·02	-2·25	-2·58	-2·69	-2·44	-1·40	-0·39	+0·66	+1·04	+1·45	+1·83	+2·10	+2·34	+2·30	+2·35	+1·94	+1·67	+0·88	+0·20	-0·34	-0·72	-1·03	-1·31
Sept.	285·51	-0·93	-0·99	-1·10	-1·25	-1·27	-1·26	-0·91	-0·32	+0·42	+0·94	+1·61	+1·42	+1·48	+1·31	+1·28	+1·06	+0·75	+0·40	+0·06	-0·08	-0·30	-0·42	-0·62	-0·86
Oct.	281·77	-1·27	-1·31	-1·40	-1·51	-1·39	-1·44	-1·38	-0·96	-0·10	+0·87	+1·62	+1·95	+2·22	+2·33	+2·09	+1·72	+1·09	+0·51	-0·01	-0·25	-0·51	-0·83	-0·96	-1·06
Nov.	278·42	-0·60	-0·64	-0·84	-0·84	-0·94	-0·98	-1·11	-1·06	-0·74	+0·02	+0·78	+1·51	+1·94	+1·80	+1·57	+0·99	+0·46	+0·19	-0·08	-0·17	-0·33	-0·18	-0·35	-0·51
Dec.	277·85	-0·10	-0·14	-0·16	-0·10	-0·18	-0·29	-0·27	-0·48	-0·56	-0·44	-0·01	+0·38	+0·49	+0·58	+0·43	+0·28	+0·05	+0·05	+0·06	+0·18	+0·05	+0·03	+0·15	+0·05
Year	281·23	-1·12	-1·30	-1·46	-1·55	-1·45	-1·21	-0·76	-0·32	+0·17	+0·63	+1·08	+1·43	+1·60	+1·65	+1·58	+1·34	+1·08	+0·75	+0·36	+0·03	-0·30	-0·52	-0·74	-0·93

† See page 23

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY
Maximum and Minimum for the interval 0h to 24h, Greenwich Mean Time

98 ABERDEEN: North Wall Screen on Tower: h_t 12·5 metres 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·7	75·3	78·9	74·5	77·7	74·1	83·5	78·3	84·2	80·2	83·0	76·5	89·9	85·8	90·2	85·6	87·8	82·7	84·5	79·7	82·3	77·9	78·3	75·3
2	79·7	77·7	76·2	72·4	76·4	72·5	79·0	76·4	87·1	76·7	82·2	77·4	89·3	86·0	90·0	84·3	85·8	82·8	85·7	80·5	82·4	76·9	77·9	74·0
3	79·7	75·7	75·1	71·4	77·6	71·2	78·0	72·3	84·0	78·9	82·9	75·8	90·4	85·8	90·0	85·5	88·8	85·8	86·3	77·3	84·3	78·5	83·2	73·4
4	76·6	73·2	74·1	68·3	77·5	73·6	80·4	70·6	82·5	77·7	84·7	77·1	96·0	87·4	88·8	83·5	90·5	86·0	83·6	76·3	82·8	78·5	82·3	73·3
5	79·6	72·8	76·3	64·8	79·1	72·7	80·0	75·4	80·9	80·3	89·9	74·6	96·0	87·0	88·1	82·4	92·0	85·9	85·2	75·5	81·7	78·4	76·1	71·9
6	80·3	78·8	78·4	76·4	81·3	74·8	82·2	73·7	81·2	80·1	90·2	83·1	94·9	86·7	87·2	81·0	90·3	85·5	84·2	74·6	82·6	77·3	76·4	71·0
7	80·1	79·0	77·1	75·2	79·4	73·7	81·4	74·8	82·5	80·4	85·9	81·6	92·3	86·9	90·7	79·2	87·1	85·0	84·1	74·2	82·8	79·2	76·5	70·5
8	80·1	78·8	76·9	73·1	80·5	77·6	83·5	76·2	83·5	77·2	89·9	80·7	89·6	86·5	94·4	85·4	89·5	84·3	83·7	74·2	82·4	79·0	79·2	75·0
9	81·6	78·2	78·8	70·7	77·7	74·7	82·3	75·3	85·0	77·6	95·5	81·3	90·9	84·5	89·2	84·3	89·1	82·3	83·8	80·0	81·4	73·7	78·0	73·5
10	82·4	77·2	77·0	73·9	79·1	73·4	82·4	75·3	87·0	76·6	88·5	82·1	91·6	84·8	89·5	83·0	87·2	86·3	84·2	80·5	80·8	72·0	80·6	77·7
11	77·3	74·1	76·0	73·1	78·9	71·5	80·5	76·0	87·1	77·1	88·3	80·8	88·2	85·0	91·0	81·2	88·8	86·6	86·2	80·9	81·6	73·9	79·4	76·5
12	77·9	73·6	75·7	70·5	79·0	75·9	78·8	75·1	84·7	80·5	87·5	80·5	91·4	85·7	90·5	85·4	87·8	85·3	87·8	81·0	82·1	79·2	77·7	74·0
13	78·0	72·1	74·9	69·7	79·0	74·7	79·4	74·7	85·7	81·2	86·2	78·5	89·0	85·5	89·0	84·7	88·7	80·9	82·4	79·0	79·9	74·4	79·5	72·6
14	74·8	72·4	77·3	74·8	77·9	75·2	78·4	76·0	86·6	78·7	86·4	79·7	89·7	86·0	90·7	86·2	87·1	82·5	84·4	80·0	81·1	76·0	80·3	75·5
15	75·3	71·4	78·0	72·9	79·2	73·6	78·9	74·0	86·4	81·8	87·1	82·6	90·5	84·0	93·8	87·5	87·5	85·2	86·4	81·3	82·0	75·5	79·5	74·0
16	74·6	70·3	80·3	70·1	83·0	74·5	79·1	73·8	84·9	81·4	87·7	80·8	91·2	84·9	94·3	85·5	87·6	84·5	85·8	82·0	80·7	75·7	80·6	75·5
17	74·6	70·4	78·4	73·2	85·0	79·6	80·7	73·1	82·4	81·2	90·7	84·9	88·6	84·6	92·4	86·1	88·0	85·7	88·0	81·7	80·0	75·0	83·9	75·8
18	74·0	70·2	79·5	78·1	81·9	79·0	80·6	73·6	85·3	81·6	90·6	81·5	89·7	86·3	91·6	84·6	87·6	85·2	83·0	79·4	81·2	75·3	82·1	77·0
19	73·7	64·9	80·6	75·6	80·4	78·4	79·7	74·2	88·6	81·6	91·0	82·7	90·2	86·9	90·6	82·8	87·9	85·4	81·2	76·0	79·9	75·0	83·1	75·9
20	77·4	63·6	80·3	77·4	81·2	78·3	79·1	73·1	82·2	78·5	89·5	84·0	88·5	84·9	91·3	79·7	87·8	85·3	84·7	76·9	82·2	74·4	84·3	81·2
21	76·0	73·9	78·6	75·4	84·8	78·3	77·6	72·0	84·1	77·7	90·3	82·1	89·3	82·3	92·4	84·3	89·9	85·6	89·6	84·3	81·5	71·9	81·5	79·2
22	75·1	71·3	79·1	75·2	81·7	78·3	79·5	71·1	83·1	79·0	91·0	84·5	88·4	81·1	90·3	84·4	92·3	80·7	91·3	84·1	79·0	72·0	79·3	75·5
23	77·7	73·6	78·1	75·1	81·7	79·1	79·5	72·7	83·7	78·9	93·6	85·7	87·5	82·0	93·4	85·7	87·8	80·5	86·2	80·4	77·3	70·9	81·4	74·7
24	75·8	69·9	77·6	75·3	83·7	78·0	82·4	78·8	84·2	78·7	92·2	85·6	89·3	86·0	94·0	82·9	86·4	83·3	84·9	79·5	76·0	69·9	85·0	80·8
25	78·6	70·0	78·1	74·9	79·0	77·1	88·3	80·4	82·6	81·2	87·3	83·2	88·5	85·4	91·2	86·1	85·8	79·7	81·6	76·9	80·0	75·0	84·2	80·0
26	79·2	74·6	81·5	75·2	78·6	76·8	87·7	79·5	86·4	81·8	89·2	81·1	89·8	83·7	91·5	85·4	82·7	76·4	82·0	75·1	79·2	76·9	81·0	73·3
27	79·1	74·4	77·8	73·3	78·8	78·1	86·6	79·7	83·9	78·7	89·6	81·9	89·0	81·4	94·9	82·5	84·6	78·3	81·0	77·0	78·2	74·2	78·8	72·9
28	78·5	72·7	78·6	75·3	80·0	78·5	85·3	79·7	85·3	77·2	91·1	86·8	88·1	80·7	94·7	82·6	84·4	77·4	81·3	74·6	78·4	74·7	79·0	76·3
29	76·6	71·7	77·0	74·6	80·3	78·1	86·6	77·0	85·2	78·8	89·7	86·2	90·2	82·6	91·2	84·4	85·2	80·3	86·0	74·8	85·5	77·7	77·8	75·3
30	79·3	75·3	-	-	87·1	79·6	86·9	77·5	82·1	76·6	89·3	85·0	90·6	84·0	91·1	86·6	84·6	81·5	83·8	78·0	86·0	75·1	83·3	75·6
31	77·7	73·8	-	-	86·5	79·4	-	-	82·4	76·0	-	-	94·5	86·3	91·1	84·0	-	-	83·0	76·2	-	-	84·4	80·0
Mean	77·8	73·3	77·8	73·5	80·5	76·1	81·6	75·3	84·3	79·2	88·7	81·6	90·4	84·9	91·3	84·1	87·7	83·2	84·7	78·4	81·2	75·5	80·5	75·4
																						Year	83·9	78·4

Note. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees is printed 75·0

99 **ABERDEEN:** North Wall Screen Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	99	97	97	97	96	97	97	97	96	97	96	98	97	98	96	98	98	99	98	94	96	99	99	97	97·2	8·3
2	99	94	96	94	97	94	88	91	91	92	91	91	99	96	98	99	98	96	96	94	96	94	94	97	94·8	9·0
3	94	94	94	94	94	91	94	93	94	92	94	94	87	88	91	89	90	92	93	93	91	90	90	91	92·1	8·0
4	85	84	84	84	84	82	82	80	82	79	77	78	77	76	78	79	80	78	83	84	81	83	80	83	81·2	5·8
5	87	87	89	89	87	87	82	74	78	84	90	90	92	89	90	94	94	97	96	94	91	88	87	86	88·4	7·1
6	83	81	86	88	91	88	88	88	88	90	90	91	89	87	85	84	83	86	86	87	87	91	91	91	87·4	8·6
7	90	91	94	96	93	93	98	98	98	99	96	91	93	93	93	90	87	87	90	93	91	91	91	97	92·9	9·1
8	91	94	94	93	94	90	90	90	88	88	90	91	90	88	90	88	88	87	83	90	94	94	94	91	90·5	8·8
9	91	89	87	93	91	91	93	93	90	93	96	92	91	91	91	93	94	98	99	98	98	93	91	94	92·9	9·2
10	89	91	88	79	72	71	68	71	70	70	68	67	68	66	70	64	72	69	72	66	66	62	62	65	71·7	7·3
11	60	62	67	68	73	80	70	65	71	75	68	62	57	56	52	62	59	74	75	74	75	78	75	76	67·9	5·0
12	73	71	67	65	65	68	69	78	73	68	67	70	65	63	67	64	69	70	66	67	61	64	65	65	67·7	5·0
13	77	89	89	87	83	78	79	75	84	74	75	68	67	64	63	94	79	74	74	72	75	76	74	68	76·5	5·1
14	64	78	80	89	85	82	80	85	97	95	75	69	78	73	69	76	73	64	70	71	72	71	72	73	76·6	4·9
15	72	72	70	69	70	69	69	69	69	67	67	60	59	60	59	60	62	63	65	66	65	67	67	67	66·1	4·2
16	67	68	71	73	73	76	78	79	78	78	86	95	97	92	77	78	80	87	93	89	90	84	87	88	81·4	4·7
17	84	90	88	85	80	87	89	87	87	82	73	72	68	65	72	94	94	93	93	96	94	92	93	80	85·1	4·9
18	88	89	86	87	88	86	84	83	84	97	94	89	87	82	83	80	78	78	80	80	83	82	83	84	84·8	5·1
19	82	81	80	78	78	78	80	80	81	77	73	71	68	68	69	72	74	79	82	86	87	88	89	90	78·7	4·1
20	91	90	91	92	90	90	75	78	75	72	66	84	90	93	95	87	98	98	100	98	100	94	94	94	88·9	5·3
21	96	93	95	93	91	91	89	91	94	92	92	89	82	85	90	82	79	85	84	84	77	78	75	75	87·1	6·1
22	73	73	70	71	71	74	73	75	76	79	75	75	71	71	76	79	79	83	82	82	80	76	71	80	75·5	4·6
23	76	79	80	81	80	77	80	78	78	75	76	74	74	73	73	74	77	76	73	77	80	82	77	80	77·1	5·9
24	73	78	76	81	79	80	80	84	87	85	83	73	80	87	89	93	91	94	94	94	96	96	97	100	85·9	5·4
25	96	95	93	93	94	96	96	90	89	87	84	83	82	80	83	87	92	98	97	89	89	91	94	96	90·7	6·9
26	96	97	97	97	99	99	99	100	100	100	100	99	97	95	94	89	93	95	92	92	96	93	93	93	96·1	8·2
27	87	87	94	94	91	90	86	87	88	88	94	91	93	88	90	90	90	92	90	92	92	90	92	92	90·4	7·6
28	92	89	92	90	88	88	90	92	90	89	90	86	86	84	84	89	90	91	93	93	92	92	98	92	90·0	7·2
29	90	90	94	92	92	92	92	94	90	89	90	87	87	94	95	93	93	94	93	96	95	95	95	96	92·3	6·3
30	97	96	96	96	96	94	94	90	90	85	87	86	74	86	72	80	85	85	83	87	88	90	85	85	88·0	7·1
31	87	92	93	94	93	93	96	98	93	89	89	90	88	84	86	89	88	93	91	89	89	87	91	91	90·4	6·7
Mean	84·9	85·8	86·5	86·5	85·7	85·5	84·8	84·9	85·5	84·7	83·6	82·5	81·7	81·2	81·3	83·5	84·1	85·6	86·0	86·0	86·0	85·5	85·4	85·7	84·7	†6·5
Vapour Pressure*	mb 6·2	mb 6·2	mb 6·1	mb 6·2	mb 6·1	mb 6·2	mb 6·2	mb 6·3	mb 6·4	mb 6·4	mb 6·5	mb 6·5	mb 6·6	mb 6·6	mb 6·6	mb 6·6	mb 6·5	mb 6·5	mb 6·5	mb 6·4	mb 6·4	mb 6·3	mb 6·2	mb 6·2	mb ‡6·4	

100 **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres — FEBRUARY, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	93	93	89	93	85	85	86	87	87	88	84	80	78	83	84	84	87	88	88	90	91	91	93	94	87·5	6·7
2	91	92	89	88	85	83	79	84	85	85	75	87	93	83	79	77	72	67	73	72	72	76	72	70	80·9	5·5
3	67	71	72	83	98	87	82	80	90	76	85	71	76	84	94	85	82	82	87	81	85	85	86	80	81·8	5·0
4	84	94	90	88	88	83	83	80	81	74	72	73	69	66	67	68	73	72	72	76	77	75	79	84	77·7	4·3
5	87	89	89	92	90	93	93	93	96	86	83	82	80	77	65	65	65	61	67	66	62	68	66	73	78·9	4·0
6	82	80	85	87	90	90	92	92	90	90	92	84	83	83	83	86	84	83	82	78	79	79	82	82	84·7	7·0
7	79	82	83	80	80	76	73	71	71	77	73	75	87	78	75	76	78	71	76	78	74	69	70	74	76·3	5·9
8	73	69	70	70	70	68	63	66	60	52	57	54	58	60	61	65	66	71	77	80	75	78	74	75	67·1	4·7
9	62	72	75	80	76	85	83	82	77	74	69	75	78	92	94	90	90	92	84	75	74	74	71	69	79·0	5·5
10	69	68	68	68	60	58	60	57	55	59	62	56	55	51	52	52	53	55	56	55	57	58	61	63	58·9	4·4
11	63	63	64	68	68	70	72	74	76	80	71	70	69	69	72	72	72	73	71	71	71	69	71	78	70·4	4·8
12	80	80	83	83	82	79	79	78	75	74	72	71	70	70	72	73	76	78	83	91	92	94	94	91	79·7	5·1
13	93	93	91	91	91	90	90	92	89	88	86	85	81	82	79	80	81	80	80	82	78	82	78	78	85·3	5·1
14	80	78	79	79	78	78	80	78	77	75	77	77	79	77	79	80	78	82	83	83	83	83	83	85	79·5	6·2
15	91	93	90	87	91	90	88	91	89	80	87	78	79	76	79	82	88	91	94	96	94	96	96	94	88·1	6·4
16	94	92	94	94	94	94	93	92	90	84	83	79	75	78	73	78	82	81	85	87	89	92	92	93	87·0	6·1
17	94	96	96	100	96	98	96	89	86	82	82	74	82	79	78	82	85	87	89	89	90	92	94	95	88·7	7·1
18	95	97	96	94	94	96	94	93	94	97	97	100	99	100	98	99	99	98	99	99	100	100	99	96	97·2	9·0
19	93	91	88	88	90	94	91	86	87	84	84	83	80	79	79	91	97	93	94	90	91	90	89	84	88·4	8·2
20	88	87	89	89	88	85	85	87	86	86	86	81	72	70	71	77	78	75	75	73	79	77	76	77	80·9	7·5
21	78	80	83	85	87	90	89	86	80	87	79	90	94	96	96	98	99	97	96	93	94	90	90	89	89·2	7·4
22	89	89	91	93	94	91	91	90	90	85	86	86	87	86	85	88	89	89	86	91	91	87	80	80	88·3	7·3
23	81	79	80	84	88	90	93	91	93	88	88	92	93	90	88	88	92	93	92	93	92	89	89	89	88·8	7·1
24	89	86	90	89	90	87	85	87	84	85	85	85	82	84	83	83	83	83	86	85	78	81	87	79	85·0	6·8
25	74	73	73	82	82	84	82	84	79	67	65	66	60	60	59	71	75	76	80	78	80	77	75	78	74·2	5·8
26	82	83	87	90	92	90	88	90	90	86	84	85	76	69	65	73	64	75	73	70	82	85	87	85	81·1	6·9
27	84	84	87	89	89	89	89	88	87	82	80	85	81	82	82	84	82	80	78	85	86	84	87	90	84·6	6·4
28	89	86	91	91	91	87	87	90	82	80	89	92	89	88	90	88	82	86	82	79	82	77	80	77	85·9	6·9
29	75	75	73	73	69	72	74	72	89	79	70	68	67	79	83	78	89	79	84	80	85	84	76	73	77·0	5·9
Mean	82·7	83·3	84·0	85·4	85·4	84·9	84·1	83·8	83·3	80·3	79·4	78·8	78·3	78·3	78·1	79·8	80·7	80·6	81·8	81·6	82·2	82·1	82·0	81·9	81·8	†6·2
Vapour Pressure*	mb 5·9	mb 5·9	mb 5·9	mb 5·9	mb 5·9	mb 5·9	mb 5·9	mb 5·9	mb 6·0	mb 5·9	mb 6·1	mb 6·2	mb 6·4	mb 6·4	mb 6·4	mb 6·4	mb 6·4	mb 6·3	mb 6·3	mb 6·2	mb 6·1	mb 6·0	mb 6·0	mb 5·9	mb ‡6·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

101 **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	73	71	69	68	71	69	69	65	58	65	69	57	52	77	75	78	77	70	82	80	77	84	83	80	71·5	5·4
2	87	87	81	76	81	82	74	75	73	71	67	71	68	66	65	82	80	69	70	73	72	74	66	66	72·6	4·9
3	68	71	73	74	72	72	76	72	68	63	61	62	62	63	65	67	69	71	75	80	74	77	77	79	70·2	4·7
4	80	82	82	84	87	89	87	87	75	75	72	72	71	76	82	86	89	91	91	89	91	91	92	92	83·6	6·1
5	90	90	92	87	82	82	83	82	84	79	75	73	70	70	69	82	82	79	77	79	76	75	81	82	80·3	6·1
6	84	85	86	85	78	80	77	77	73	66	62	59	58	58	58	59	64	69	71	74	73	73	69	74	71·5	6·3
7	80	82	85	85	87	87	89	89	85	84	83	83	82	84	85	84	83	89	92	92	94	94	91	91	86·3	7·2
8	93	93	93	93	93	94	96	96	96	97	97	96	94	91	91	91	91	91	90	90	93	92	94	89	93·1	8·8
9	90	92	93	90	88	87	88	89	91	93	94	91	91	88	87	93	91	91	93	94	88	89	93	93	90·6	6·8
10	93	91	93	95	95	93	92	92	92	87	80	76	74	72	71	74	84	82	84	87	87	91	92	90	86·2	6·9
11	94	92	92	92	92	93	93	91	89	78	74	78	76	79	76	77	81	82	81	79	80	85	87	89	84·6	6·3
12	88	92	90	87	87	83	83	85	84	81	68	66	64	69	72	72	77	81	81	82	82	82	82	84	80·2	6·8
13	83	82	80	79	80	82	80	79	73	70	65	59	57	58	60	58	62	65	65	66	66	68	70	73	70·2	5·6
14	68	68	69	72	67	67	69	66	65	61	56	56	56	56	57	59	60	65	65	68	71	69	63	67	64·3	5·0
15	70	71	82	74	72	76	85	90	87	71	79	60	57	54	55	56	61	67	69	73	80	82	77	75	71·6	5·7
16	75	75	75	74	76	78	83	83	85	88	87	88	83	76	70	73	74	74	76	77	81	83	82	86	79·0	7·5
17	82	82	83	86	84	87	87	83	79	74	70	67	72	79	74	66	68	69	70	74	74	75	74	73	76·6	8·9
18	76	74	83	84	75	71	75	74	73	76	75	72	71	71	71	72	80	76	76	78	77	86	87	87	76·4	7·9
19	91	94	96	96	94	93	99	99	100	100	99	96	93	89	88	90	83	87	85	87	84	86	83	87	91·6	8·6
20	88	90	90	93	93	93	94	91	91	93	91	93	90	94	91	86	91	89	89	90	91	91	94	93	91·1	8·9
21	93	94	96	94	96	96	96	93	90	87	77	73	84	89	82	83	87	91	94	94	94	93	91	93	90·0	9·5
22	93	91	93	96	94	96	96	96	91	89	87	87	87	86	88	90	91	91	90	91	91	94	96	94	91·6	9·1
23	91	91	93	96	94	96	96	96	93	90	88	93	88	84	84	86	86	87	87	88	91	91	91	91	90·5	9·1
24	93	94	97	97	99	98	96	93	88	79	75	78	75	73	84	83	86	90	91	91	93	94	97	100	89·1	9·2
25	98	98	96	96	96	95	97	96	93	90	93	96	93	91	94	94	96	95	92	92	92	93	93	93	94·4	8·3
26	95	95	93	90	90	88	87	88	89	89	87	87	86	92	94	95	94	89	91	94	92	91	91	92	90·8	7·8
27	92	92	92	92	92	89	88	86	86	91	92	94	92	92	92	92	94	94	94	94	96	94	93	94	91·9	8·2
28	96	96	97	99	100	100	100	100	100	100	100	99	99	99	98	94	93	94	94	94	99	99	99	100	97·7	9·2
29	100	100	100	100	100	98	100	99	100	99	97	99	100	99	98	98	96	98	98	99	100	100	99	98	99·0	9·4
30	99	100	98	96	94	96	98	98	98	93	87	85	74	72	74	67	62	66	68	70	70	73	79	69	83·4	10·1
31	71	78	80	84	87	87	87	88	90	82	60	55	56	54	57	64	64	74	78	81	86	88	85	86	75·6	8·7
Mean	86·3	86·9	87·6	87·5	87·0	87·0	87·7	87·0	85·1	82·6	79·6	78·1	76·6	77·5	77·6	78·4	79·9	81·5	82·5	83·9	84·4	85·7	85·5	85·8	83·4	†7·5
Vapour Pressure*	mb 7·2	mb 7·2	mb 7·2	mb 7·2	mb 7·1	mb 7·1	mb 7·2	mb 7·3	mb 7·4	mb 7·5	mb 7·6	mb 7·7	mb 7·6	mb 7·7	mb 7·6	mb 7·6	mb 7·6	mb 7·5	mb 7·5	mb 7·4	mb 7·4	mb 7·4	mb 7·3	mb 7·3	mb ‡7·4	

102 **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres — APRIL, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	91	87	91	87	90	93	91	83	76	69	69	64	65	63	64	67	71	72	69	90	90	85	86	91	79·2	8·5
2	86	70	76	76	73	72	65	66	74	72	71	72	78	66	62	59	62	65	62	65	62	64	62	65	69·1	5·8
3	68	68	66	64	61	63	63	64	69	69	66	65	62	63	63	62	63	59	62	66	72	80	85	85	66·6	5·2
4	86	86	86	89	90	88	88	87	71	71	71	71	67	62	65	62	63	72	81	81	80	79	78	83	77·4	5·9
5	78	78	80	76	78	76	70	72	68	64	63	64	64	65	78	70	77	78	81	82	85	83	76	79	74·5	6·3
6	82	83	87	74	80	82	71	69	71	70	71	72	83	82	87	72	68	79	81	76	70	69	73	78	76·3	6·6
7	77	83	85	89	89	91	90	82	75	70	66	65	70	70	71	76	77	79	80	83	86	82	83	80	79·1	7·2
8	78	79	79	81	84	80	74	70	69	69	73	66	72	73	69	65	61	61	65	68	73	78	78	77	72·6	7·6
9	78	79	80	79	80	79	78	76	71	65	70	72	76	79	75	74	73	73	83	86	88	86	88	85	77·9	7·3
10	86	87	88	82	82	81	76	72	68	73	74	77	63	53	48	60	61	63	66	70	72	77	80	80	72·6	6·8
11	74	76	77	67	70	69	65	56	58	71	63	69	70	62	67	61	74	78	75	82	77	77	79	76	70·6	6·2
12	71	74	78	82	85	64	71	73	61	65	63	52	54	57	53	51	57	55	56	64	69	72	72	75	65·6	5·4
13	77	78	79	79	82	83	82	80	81	82	74	76	66	66	71	69	72	71	70	73	76	80	80	81	76·0	6·2
14	80	76	79	80	78	74	76	71	69	71	70	70	63	65	52	57	57	56	54	54	61	55	58	65	66·6	5·5
15	65	68	68	73	79	71	69	61	61	66	66	66	63	56	52	54	56	60	63	77	84	85	98	98	68·4	5·5
16	98	96	94	94	93	90	88	71	61	52	58	56	69	72	54	58	61	60	75	87	89	91	94	92	77·3	5·9
17	94	93	94	92	93	93	87	83	88	67	61	56	46	58	53	56	56	53	55	65	72	75	69	71	72·5	5·7
18	74	72	75	70	73	69	68	61	49	50	49	47	45	42	41	51	54	61	66	74	78	87	80	75	62·9	5·0
19	78	77	80	83	83	77	77	71	60	55	59	65	84	59	55	58	85	65	61	73	72	75	73	76	70·9	5·5
20	75	77	77	72	72	74	72	80	96	78	70	82	58	42	52	49	49	49	69	71	71	73	75	78	69·2	5·1
21	79	86	74	76	76	76	72	66	59	57	58	65	65	69	90	87	94	93	91	90	90	88	80	85	77·6	5·2
22	87	86	82	74	67	82	82	92	71	78	69	65	68	61	57	76	72	58	69	69	77	85	87	84	74·9	5·3
23	83	83	85	83	85	79	73	66	59	64	65	54	55	53	63	62	62	63	65	63	66	71	78	84	69·3	5·6
24	86	86	86	82	86	86	85	95	97	93	94	86	81	83	86	85	83	85	77	79	83	91	90	91	86·4	8·4
25	92	84	74	74	78	77	76	68	60	52	44	44	41	36	33	38	45	63	56	72	77	78	79	82	63·6	8·2
26	82	77	81	83	82	82	75	72	65	65	61	56	51	60	49	46	50	52	56	63	65	69	69	68	66·1	8·1
27	71	74	73	73	72	71	64	61	57	54	51	49	52	52	51	50	53	59	77	70	76	73	74	67	63·5	7·9
28	69	73	73	71	77	79	69	78	74	74	70	71	74	74	71	80	78	79	79	72	73	79	73	76	74·2	9·1
29	78	79	82	80	78	77	67	63	63	57	53	52	58	55	58	59	65	67	49	55	58	63	63	68	64·6	8·0
30	73	71	72	74	67	65	62	57	53	51	51	48	51	55	56	52	55	56	56	60	64	71	78	76	61·3	7·4
Mean	79·9	79·5	80·0	78·6	79·4	78·1	74·9	72·2	68·5	66·5	64·8	63·9	63·8	61·8	61·5	62·2	65·1	66·1	68·3	72·7	75·2	77·4	77·9	79·0	71·6	†6·5
Vapour Pressure*	mb 6·4	mb 6·3	mb 6·2	mb 6·1	mb 6·2	mb 6·3	mb 6·4	mb 6·5	mb 6·5	mb 6·6	mb 6·6	mb 6·7	mb 6·7	mb 6·5	mb 6·5	mb 6·5	mb 6·6	mb 6·6	mb 6·5	mb 6·5	mb 6·5	mb 6·5	mb 6·4	mb 6·4	mb ‡6·5	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

103 **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%%	mb
1	77	73	75	77	79	77	74	74	71	75	76	71	76	75	68	62	61	60	66	63	62	62	63	70	70·4	8·3
2	73	80	78	82	82	81	73	69	61	67	57	59	61	59	63	53	52	61	68	67	66	70	76	78	68·0	8·2
3	78	80	83	83	84	85	81	72	65	75	82	76	81	83	82	85	88	86	88	87	88	90	90	93	82·4	8·9
4	88	90	91	87	87	87	87	86	83	84	84	89	88	88	87	86	87	87	89	91	89	92	93	93	88·0	8·9
5	94	96	94	98	99	100	100	100	100	100	100	100	100	100	100	100	99	100	100	100	100	98	98	96	98·8	10·3
6	93	92	92	91	90	90	90	90	91	92	93	94	96	96	94	93	94	98	98	98	96	96	96	93	93·6	9·8
7	93	93	93	91	91	90	91	88	87	84	84	86	87	83	83	84	84	86	89	90	90	90	90	91	88·3	9·6
8	91	91	92	92	96	91	86	63	66	69	74	78	77	78	79	79	74	74	72	76	78	82	85	86	80·5	8·8
9	86	87	87	84	85	81	82	75	61	62	70	75	75	80	80	75	79	78	75	83	83	86	87	87	79·3	8·9
10	89	89	88	88	92	86	81	68	59	59	65	67	73	76	78	82	79	79	83	86	89	92	91	90	80·3	9·3
11	91	87	87	87	87	86	73	80	62	59	56	53	55	59	62	66	66	69	75	83	86	91	93	93	75·2	9·3
12	93	94	94	94	96	96	95	89	88	92	90	94	95	95	93	87	86	94	91	95	96	95	95	92	92·9	11·0
13	93	93	93	93	95	96	92	96	98	95	96	92	88	80	67	62	63	70	79	82	79	79	77	76	85·1	10·2
14	76	79	83	81	74	67	60	57	52	51	47	53	58	56	58	64	61	63	75	82	74	82	87	88	67·6	8·5
15	88	89	91	92	92	85	84	83	79	80	80	78	82	86	90	87	85	82	84	87	87	87	89	95	85·7	11·0
16	95	92	91	91	89	87	85	84	85	84	85	84	80	83	80	76	75	76	77	80	83	84	87	88	84·4	11·4
17	88	89	89	89	88	91	91	91	92	93	93	92	92	95	95	95	99	99	98	99	100	99	100	99	93·8	10·6
18	99	99	100	100	99	99	100	98	94	94	90	89	88	88	87	88	87	88	93	95	96	98	96	96	94·3	11·7
19	96	99	96	98	96	96	95	91	94	95	95	94	87	80	81	99	96	96	92	91	80	93	88	91	92·6	11·5
20	80	77	78	77	80	79	74	64	63	64	63	64	60	60	55	56	56	55	60	67	66	72	72	77	67·7	7·3
21	80	82	85	82	81	82	72	72	70	64	60	57	60	54	57	58	55	56	65	69	71	79	80	80	69·6	7·6
22	80	79	81	79	78	79	71	75	76	74	74	83	90	90	90	86	86	91	90	87	83	80	84	80	81·8	8·5
23	84	79	87	85	87	86	82	75	71	78	83	79	73	74	78	82	78	73	73	81	84	85	85	88	80·3	8·9
24	90	88	88	88	82	78	74	69	67	68	75	77	87	86	89	88	84	87	79	86	90	92	93	93	83·1	9·3
25	92	93	92	91	92	92	93	93	95	93	89	88	87	89	88	88	86	91	92	93	95	95	93	96	91·5	10·8
26	96	95	95	95	96	95	92	91	87	85	82	81	77	75	75	75	76	79	83	79	76	84	87	89	85·4	11·2
27	84	84	83	81	86	87	83	69	64	61	60	54	57	57	53	51	47	50	50	65	66	65	67	60	66·6	7·6
28	63	65	66	68	70	62	64	59	51	50	47	48	53	57	68	73	79	78	83	80	69	65	68	67	64·6	7·4
29	67	68	73	87	70	72	71	71	70	67	80	66	66	71	67	65	67	83	88	86	83	79	76	76	73·5	8·7
30	76	83	84	87	78	74	62	71	80	68	60	55	56	59	52	61	78	70	75	79	78	84	87	87	72·4	7·0
31	87	90	90	90	88	84	73	69	67	63	62	60	76	67	61	70	63	63	60	65	72	73	82	84	73·4	7·1
Mean	85·8	86·3	87·1	87·4	86·7	85·2	81·6	78·5	75·9	75·5	75·9	75·4	76·8	76·7	76·1	76·6	76·5	78·1	80·3	83·0	82·4	84·5	85·6	86·2	81·0	†9·3
Vapour Pressure*	mb 9·0	mb 8·8	mb 8·8	mb 8·7	mb 8·8	mb 9·0	mb 9·2	mb 9·3	mb 9·3	mb 9·3	mb 9·4	mb 9·5	mb 9·6	mb 9·6	mb 9·5	mb 9·3	mb 9·3	mb 9·3	mb 9·3	mb 9·3	mb 9·1	mb 9·2	mb 9·1	mb 9·0	mb ‡9·2	

104 **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres — JUNE 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	85	85	87	88	84	81	73	70	73	72	69	71	85	77	82	73	78	76	82	88	90	91	92	96	80·9	8·2
2	96	91	89	89	88	88	80	82	75	75	71	69	70	71	66	66	70	65	64	67	69	73	74	81	76·5	7·8
3	79	82	81	83	79	76	64	62	61	63	62	62	60	69	65	64	65	63	61	70	76	77	77	74	69·9	7·2
4	76	75	75	77	78	78	64	70	59	57	55	58	53	53	52	52	51	52	56	60	69	76	79	79	64·6	7·2
5	81	81	85	84	82	76	65	56	56	52	60	56	59	61	60	67	61	37	39	51	58	62	65	75	63·8	8·2
6	76	75	77	75	78	75	68	44	46	47	45	54	60	56	42	36	47	50	49	55	59	58	59	53	58·1	8·7
7	51	58	59	57	61	57	57	56	55	62	71	57	63	79	83	80	84	76	84	84	88	89	88	83	69·5	8·7
8	77	82	88	86	84	71	64	59	66	62	61	59	57	57	66	67	64	60	64	55	63	69	69	73	67·8	9·6
9	73	74	81	79	79	75	74	58	66	61	55	53	70	47	50	54	57	60	66	72	76	84	91	93	68·3	11·6
10	95	89	87	87	80	74	68	64	52	49	48	47	45	46	63	62	63	62	59	66	69	74	69	72	66·7	9·3
11	76	78	74	81	83	77	72	72	67	63	60	51	67	61	63	62	58	66	74	80	83	80	87	87	71·4	10·1
12	90	93	94	93	91	91	92	89	80	74	74	73	69	64	57	54	51	58	57	61	71	80	81	85	76·0	10·5
13	84	87	87	87	86	84	75	61	70	72	67	69	64	56	61	71	62	69	76	77	82	84	88	77	75·0	9·2
14	78	80	80	77	86	83	79	77	81	77	78	79	76	71	80	83	83	86	86	89	91	94	95	94	82·3	10·9
15	94	92	83	83	78	81	81	76	72	68	65	73	80	84	76	69	74	82	82	89	91	91	75	75	80·1	10·9
16	84	88	85	87	82	78	74	74	85	85	94	95	91	88	85	84	85	86	86	90	86	87	86	86	85·2	11·6
17	87	88	90	88	87	85	82	73	74	69	67	71	74	76	68	72	64	69	70	69	76	77	81	81	76·7	12·8
18	85	88	88	88	87	83	75	70	66	62	68	71	72	78	69	72	71	68	81	73	74	89	88	89	77·1	12·5
19	89	89	89	88	89	87	83	81	76	80	80	80	81	80	82	83	75	65	78	81	76	76	79	87	81·5	13·4
20	88	90	89	89	88	84	82	83	81	82	79	78	72	72	70	72	74	71	74	75	81	82	85	86	80·3	13·2
21	86	86	86	84	80	79	73	70	78	75	70	73	68	73	77	79	81	81	83	84	87	90	90	91	80·1	13·2
22	93	93	95	96	96	94	88	77	75	75	80	80	78	80	78	80	79	81	83	88	92	94	96	97	86·0	14·9
23	97	97	98	97	96	95	92	85	80	76	70	66	66	66	65	65	62	64	65	67	71	73	75	79	78·2	15·1
24	81	80	80	84	82	78	80	80	80	75	69	72	70	71	61	62	60	64	68	75	77	82	83	85	74·8	13·4
25	86	83	85	84	83	83	81	79	75	69	71	71	70	76	74	76	74	75	76	80	83	84	85	87	78·7	11·5
26	89	88	88	88	88	85	78	78	78	70	68	66	68	72	73	77	77	77	83	88	89	92	94	93	81·0	12·0
27	91	92	91	95	95	90	81	76	80	81	72	77	69	65	71	82	75	84	90	90	87	86	87	90	83·3	12·8
28	90	90	92	91	91	88	85	78	80	73	72	74	74	73	68	73	70	80	77	80	84	84	82	80	80·6	14·3
29	80	80	79	79	73	73	71	70	69	70	65	68	72	79	82	83	81	85	85	87	88	92	93	94	78·8	13·2
30	95	93	95	97	89	94	91	95	98	98	99	98	96	97	94	86	85	88	90	91	91	90	90	92	93·0	14·8
Mean	84·4	84·9	85·2	85·4	84·1	81·4	76·4	72·2	71·8	69·8	68·8	69·0	70·0	69·9	69·4	70·2	69·4	70·0	72·9	76·1	79·2	82·0	82·8	83·8	76·2	†11·2
Vapour Pressure*	mb 10·4	mb 10·2	mb 10·0	mb 10·0	mb 10·3	mb 10·7	mb 10·9	mb 10·7	mb 11·0	mb 11·0	mb 11·2	mb 11·2	mb 11·4	mb 11·4	mb 11·4	mb 11·5	mb 11·4	mb 11·4	mb 11·5	mb 11·5	mb 11·5	mb 11·4	mb 11·1	mb 11·0	mb ‡11·0	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

105 ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	94	94	96	96	97	99	100	100	100	96	91	90	96	96	96	99	100	99	98	98	97	96	96	96	96·6	15·5
2	97	97	97	98	97	97	95	93	87	88	83	86	86	82	83	87	87	89	89	92	94	95	96	96	91·3	15·0
3	98	98	97	97	95	94	92	89	87	88	87	82	85	83	87	80	80	84	78	83	86	84	89	89	88·1	15·3
4	89	89	89	91	90	86	73	67	64	62	60	56	55	54	54	41	45	46	53	57	63	65	63	67	66·3	14·0
5	71	77	75	75	68	64	57	53	61	61	54	51	51	49	48	42	46	44	44	62	75	76	78	73	60·5	12·7
6	77	75	75	77	77	74	66	55	50	49	52	51	57	55	52	59	67	79	84	87	92	89	92	94	69·8	13·3
7	94	94	93	94	95	94	95	96	92	88	86	83	74	73	74	78	75	84	88	86	87	90	93	94	87·5	15·8
8	93	93	95	96	97	96	98	94	94	86	88	86	87	88	88	85	83	81	86	87	85	87	86	87	89·6	15·1
9	87	82	80	78	69	68	65	64	63	65	67	66	67	70	69	75	78	84	85	86	87	88	90	92	75·9	12·9
10	90	91	94	90	86	83	75	76	64	63	58	61	59	57	58	57	57	58	60	64	67	76	73	75	70·9	12·5
11	73	75	80	77	87	81	86	88	91	94	90	86	90	92	94	95	94	90	94	91	94	94	93	94	88·1	13·6
12	95	96	96	94	95	93	93	87	82	81	83	73	80	73	67	75	80	83	82	87	89	88	91	94	85·7	14·4
13	93	94	96	97	97	96	96	98	95	82	81	79	77	79	73	71	79	68	75	81	82	88	87	86	85·6	14·0
14	85	86	82	81	78	77	75	75	76	76	74	72	74	78	78	74	72	72	70	70	76	81	81	82	77·0	13·1
15	84	87	85	83	80	73	67	69	66	68	66	60	65	74	66	74	76	87	89	88	91	91	86	88	77·5	12·7
16	88	89	90	88	87	81	77	74	72	71	75	78	66	70	76	91	90	94	91	92	81	80	79	79	81·8	13·3
17	75	76	76	77	78	73	69	69	69	61	70	74	77	83	83	83	84	87	90	94	93	92	98	97	80·0	12·6
18	96	93	99	98	97	96	94	94	99	94	98	90	89	87	87	86	89	89	90	89	90	92	95	95	92·8	15·5
19	96	95	96	96	96	96	94	93	94	92	97	87	94	92	97	98	98	97	94	92	94	93	93	92	94·5	15·9
20	92	93	94	93	92	89	85	78	76	84	82	80	75	77	77	78	79	82	80	78	81	87	88	88	83·7	13·1
21	85	80	84	76	76	75	76	74	71	78	74	71	61	57	55	62	60	64	68	70	78	80	84	87	72·8	10·9
22	86	88	88	89	88	83	80	70	76	64	61	58	60	62	75	75	76	78	76	74	76	79	79	83	76·1	10·7
23	84	88	88	84	83	77	76	76	76	85	86	87	90	90	90	91	99	99	99	100	100	99	97	96	88·9	13·1
24	88	85	89	87	82	82	88	80	81	78	81	88	85	79	81	81	80	84	86	90	88	87	86	87	84·5	13·6
25	86	93	91	90	89	90	88	86	83	77	73	85	79	70	71	71	74	76	79	88	90	90	89	88	83·1	12·9
26	90	87	87	88	90	89	85	85	71	69	71	68	68	71	75	76	76	75	79	90	88	89	90	83	80·9	13·0
27	88	89	84	83	79	73	69	67	63	65	56	52	56	54	58	61	65	71	76	83	87	89	91	91	72·7	11·0
28	92	91	93	94	95	95	97	87	88	87	83	84	86	86	86	84	87	88	88	89	91	93	94	94	89·6	12·9
29	94	94	95	92	92	89	83	76	71	64	61	56	58	55	61	64	61	66	74	76	74	77	77	78	74·8	11·7
30	79	75	73	71	69	67	65	59	59	59	63	62	67	67	59	64	65	68	77	76	82	84	87	88	70·0	11·3
31	89	92	93	90	91	90	79	75	74	68	60	55	53	51	52	52	62	78	81	85	90	90	91	84	76·1	14·4
Mean	88·0	88·3	88·7	87·7	86·8	84·5	81·9	78·9	77·3	75·6	74·5	72·8	73·1	72·7	73·2	74·5	76·3	78·8	80·7	83·4	85·4	86·7	87·5	87·6	81·1	†13·4
Vapour Pressure*	mb 13·1	mb 12·9	mb 12·9	mb 12·7	mb 12·8	mb 13·0	mb 13·2	mb 13·3	mb 13·3	mb 13·3	mb 13·5	mb 13·4	mb 13·5	mb 13·6	mb 13·8	mb 13·7	mb 13·9	mb 13·9	mb 13·8	mb 13·9	mb 13·7	mb 13·7	mb 13·5	mb 13·3	mb ‡13·4	

106 ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — AUGUST, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	81	80	81	77	76	77	65	66	66	65	74	73	72	85	87	85	86	88	85	88	92	92	91	95	80·1	13·1
2	97	93	91	93	94	94	96	97	98	99	97	96	96	94	94	89	96	93	94	94	89	86	83	78	93·3	14·7
3	77	77	75	70	69	68	67	70	72	76	76	72	69	70	78	84	96*	82	90	83	83	81	81	80	76·9	12·2
4	85	90	91	87	85	81	78	74	68	63	63	63	78	85	70	66	65	74	80	83	87	81	79	79	77·3	11·3
5	82	83	82	82	80	78	75	69	62	60	59	57	54	52	62	62	62	59	65	67	77	79	84	87	69·8	10·0
6	89	88	92	92	92	93	91	91	91	91	88	87	80	83	84	87	86	85	86	85	91	90	92	92	88·5	12·7
7	93	93	93	93	96	91	88	81	77	69	70	65	59	57	60	63	64	64	62	67	71	77	81	80	75·8	11·4
8	75	74	74	82	83	78	78	74	67	68	65	66	63	62	69	62	68	72	74	78	80	83	85	84	73·4	14·1
9	88	88	89	95	96	96	96	96	94	93	93	89	93	88	85	89	86	85	86	87	89	92	94	95	90·7	14·2
10	95	95	95	95	98	99	97	96	97	91	89	89	88	81	81	73	75	80	87	96	96	97	96	97	90·9	13·3
11	97	96	98	96	98	96	92	81	70	57	56	59	61	64	67	70	73	77	77	87	90	91	92	92	80·8	12·9
12	92	94	94	93	93	91	88	88	95	94	92	92	91	89	90	89	81	78	83	87	88	88	92	94	89·3	14·5
13	91	90	89	90	91	91	90	85	87	91	86	84	79	79	82	77	78	83	88	90	87	91	90	88	86·7	13·7
14	88	89	93	93	91	92	91	85	90	90	93	95	89	87	84	84	85	85	87	90	90	91	93	94	89·4	15·4
15	93	94	94	94	94	93	91	89	83	78	77	73	78	73	70	76	76	72	79	85	87	89	91	93	84·3	16·9
16	92	94	93	93	91	90	92	86	79	76	70	68	70	69	66	67	65	62	64	65	67	72	71	74	76·9	14·9
17	75	81	82	84	83	86	82	81	79	76	82	84	83	83	86	75	79	84	88	77	79	66	66	68	79·7	14·3
18	66	65	68	65	67	70	74	71	63	56	52	50	48	48	49	45	43	49	61	67	72	72	74	78	61·2	10·2
19	78	77	78	78	73	72	74	80	74	73	70	57	61	59	63	78	76	82	83	88	89	91	94	95	76·4	11·9
20	95	89	89	89	88	95	93	85	82	76	76	80	76	77	73	71	75	74	69	71	68	72	76	77	80·2	12·7
21	79	61	59	68	70	69	69	63	59	49	45	48	44	45	47	58	64	66	87	84	82	78	80	84	64·8	11·1
22	78	78	75	76	79	80	76	74	68	56	58	58	55	50	52	52	58	62	64	66	65	64	68	75	66·3	10·7
23	73	68	69	74	77	80	76	73	73	73	77	76	82	84	80	73	80	80	74	80	78	82	83	88	76·9	14·3
24	89	93	94	91	89	93	68	64	59	55	57	62	59	55	49	61	65	61	78	80	83	80	76	80	72·7	13·2
25	82	81	83	85	83	84	84	82	76	77	81	77	69	67	61	63	62	64	73	73	75	72	73	75	75·2	13·0
26	73	73	73	75	77	78	73	73	74	74	76	73	71	72	73	74	75	73	81	83	82	85	86	90	76·2	13·4
27	92	91	90	91	88	89	89	87	80	72	68	69	67	67	69	63	63	71	72	82	85	86	88	88	79·5	14·4
28	88	89	90	91	91	92	89	86	73	69	70	65	67	58	60	55	72	83	84	89	92	90	88	86	79·9	13·8
29	86	89	89	91	91	91	91	80	79	79	80	77	73	70	76	79	80	81	84	87	89	77	70	64	81·6	14·3
30	70	75	77	77	60	60	62	60	57	58	57	58	57	60	63	56	60	65	64	63	67	73	74	73	64·2	11·6
31	69	73	70	74	72	72	69	67	67	62	58	58	55	58	56	56	60	59	66	70	70	74	72	73	65·8	10·8
Mean	84·1	83·9	84·2	85·0	84·4	84·5	82·1	79·2	76·1	73·1	72·7	71·6	70·5	70·0	70·5	70·4	72·7	74·0	77·9	80·4	81·9	82·0	82·7	83·7	78·2	†13·1
Vapour Pressure*	mb 12·7	mb 12·3	mb 12·2	mb 12·0	mb 11·8	mb 12·1	mb 12·5	mb 12·9	mb 13·3	mb 13·0	mb 13·3	mb 13·4	mb 13·5	mb 13·6	mb 13·6	mb 13·6	mb 13·7	mb 13·7	mb 13·7	mb 13·6	mb 13·3	mb 13·0	mb 12·8	mb 12·8	mb ‡13·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

107 ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — SEPTEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	75	72	70	78	77	74	72	72	67	68	64	60	71	73	71	72	72	74	71	75	75	86	89	88	73·3	10·2
2	88	89	89	89	89	90	91	92	93	95	93	96	96	95	91	88	89	93	94	96	98	98	99	98	92·7	12·5
3	99	99	99	100	99	100	100	100	100	100	100	97	97	94	92	94	93	93	94	98	99	97	99	100	97·6	15·8
4	100	100	100	100	100	100	100	98	93	89	83	79	80	77	80	82	86	87	92	93	97	96	96	98	92·0	15·4
5	98	96	97	98	96	95	93	90	82	77	80	81	68	72	69	74	74	76	79	84	82	83	87	85	84·3	14·6
6	84	86	88	85	83	83	81	75	76	70	71	66	68	79	81	87	87	88	87	89	85	83	88	89	81·5	13·4
7	89	97	96	97	98	98	98	95	96	89	94	96	91	90	89	89	89	89	92	95	95	89	89	89	92·9	13·9
8	96	95	91	91	94	96	93	92	86	84	83	73	78	75	75	77	82	82	88	90	91	93	95	91	87·1	14·0
9	90	89	88	89	88	88	86	83	87	80	80	81	84	86	85	85	87	88	88	90	88	86	87	86	86·3	13·2
10	86	89	89	91	96	96	97	96	97	96	96	96	96	96	95	94	94	95	94	94	95	94	96	97	94·1	14·8
11	97	97	97	97	97	97	97	96	93	92	88	90	88	89	89	89	92	90	91	92	93	93	91	87	92·8	15·2
12	87	92	91	92	92	94	92	95	96	96	96	96	93	97	98	97	97	97	98	98	98	98	98	98	95·0	15·3
13	97	98	97	99	98	98	96	94	91	76	90	96	98	96	91	92	91	90	93	91	94	91	93	95	93·6	13·2
14	96	95	96	97	99	98	99	99	99	96	94	94	94	92	91	94	97	96	96	97	98	98	98	96	96·2	13·7
15	97	97	96	96	95	94	93	93	94	93	92	94	95	96	95	97	96	99	97	97	97	98	98	95	95·6	14·7
16	96	96	93	91	93	94	94	93	88	85	87	90	91	91	90	91	93	94	95	96	96	95	96	96	92·6	14·0
17	96	95	96	95	96	97	99	97	93	91	93	89	89	90	94	95	95	94	93	92	91	91	87	87	93·3	14·8
18	88	89	90	93	93	94	94	93	93	88	90	88	87	93	94	94	96	96	96	96	92	90	91	95	92·0	14·1
19	95	95	94	94	95	93	95	93	91	86	86	81	77	76	78	84	88	89	89	91	95	93	94	90	89·4	13·8
20	91	91	91	91	94	94	95	94	95	94	87	85	88	90	91	94	93	93	95	94	95	81	84	85	91·1	14·2
21	88	86	88	89	88	89	88	85	82	78	76	79	69	65	66	68	72	79	88	82	75	81	76	78	79·9	13·1
22	82	80	81	84	87	86	82	82	80	81	76	63	63	77	80	78	80	85	87	85	78	86	83	85	80·3	12·0
23	86	79	81	85	81	86	84	81	76	80	77	77	75	76	80	85	87	91	91	93	93	93	94	94	84·2	11·5
24	93	93	92	93	92	93	96	97	99	99	97	98	96	93	93	95	95	95	95	95	96	96	97	97	95·1	13·5
25	97	96	96	94	94	85	85	84	80	75	71	63	59	55	59	61	66	73	70	72	73	75	79	80	77·1	9·9
26	84	84	85	87	87	83	83	84	70	68	60	74	62	65	68	70	69	76	81	79	77	77	83	84	76·6	7·7
27	83	83	95	89	86	82	81	76	91	83	71	76	61	70	71	64	74	73	69	67	68	68	66	82	76·3	8·7
28	75	77	85	83	82	85	87	84	78	75	71	62	69	67	60	54	61	70	80	72	80	71	75	74	74·2	8·1
29	68	69	72	73	77	80	80	84	82	84	83	84	83	82	79	84	85	84	85	84	88	89	91	92	81·4	10·2
30	93	91	87	89	92	89	91	93	89	87	81	77	92	83	80	80	84	90	91	93	95	95	98	98	89·0	10·9
Mean	89·8	89·8	90·3	91·0	91·3	91·0	90·7	89·7	87·9	85·2	83·7	82·7	81·9	82·7	82·5	83·6	85·5	87·3	88·6	89·0	89·2	88·8	89·9	90·4	87·6	†12·9
Vapour Pressure*	mb 12·3	mb 12·2	mb 12·2	mb 12·2	mb 12·2	mb 12·2	mb 12·4	mb 12·7	mb 13·1	mb 13·2	mb 13·2	mb 13·2	mb 13·1	mb 13·1	mb 13·0	mb 13·0	mb 13·0	mb 13·0	mb 12·9	mb 12·8	mb 12·7	mb 12·5	mb 12·5	mb 12·4	mb ‡12·7	

108 ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — OCTOBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	93	92	92	94	94	96	94	93	88	80	79	79	81	79	76	75	76	75	83	83	83	95	92	91	86·1	10·4
2	93	93	93	94	94	93	94	93	87	80	76	73	69	70	73	76	79	85	87	89	91	91	87	87	85·4	10·4
3	89	89	91	93	91	88	86	86	86	83	77	78	77	73	80	86	91	92	91	93	91	91	90	92	86·7	10·0
4	93	97	93	92	91	90	89	88	80	79	78	79	79	82	82	80	87	88	89	87	80	74	72	75	84·7	9·4
5	63	67	74	79	81	84	86	92	88	82	68	66	60	57	58	59	60	69	74	80	80	84	82	87	73·9	8·4
6	85	85	85	82	82	82	80	77	73	65	72	72	63	63	62	62	64	71	77	81	83	87	88	88	76·2	7·1
7	89	87	91	91	91	91	91	89	86	81	74	68	64	64	67	70	73	78	81	85	89	90	93	93	82·2	7·4
8	93	93	93	93	93	91	91	91	90	87	82	77	62	63	63	69	71	72	77	80	81	82	83	78	81·3	7·8
9	82	85	85	86	89	91	90	89	83	81	77	71	70	70	72	76	82	88	93	89	91	90	90	89	83·5	9·4
10	88	88	89	89	86	86	83	81	79	69	67	64	62	63	65	69	74	80	83	81	82	89	89	89	79·0	9·0
11	93	93	93	93	93	94	92	92	97	89	86	80	80	77	82	91	86	84	84	89	84	79	86	80	87·6	11·2
12	82	75	70	71	72	76	78	75	67	63	54	53	54	52	57	59	64	66	79	69	70	73	91	82	68·8	9·5
13	79	83	89	88	88	86	88	88	86	83	78	75	74	69	72	74	82	86	88	82	85	87	87	83	82·5	8·5
14	85	89	93	94	98	94	98	99	96	97	92	92	91	91	94	93	94	95	95	94	93	91	89	87	93·0	11·3
15	85	85	88	71	69	70	63	65	62	58	58	53	52	48	52	52	61	65	63	66	62	62	69	59	64·7	8·7
16	60	58	63	60	59	64	64	60	60	57	54	54	52	55	58	62	62	65	70	70	68	74	80	87	62·6	8·1
17	89	92	90	90	88	88	90	88	87	55	56	42	50	44	44	45	47	62	63	56	54	57	53	53	66·7	9·2
18	65	89	90	75	75	67	64	67	65	64	62	56	64	72	63	69	73	73	73	73	72	70	73	74	69·1	7·4
19	77	78	88	89	89	92	92	92	83	83	93	90	82	79	70	70	73	77	77	73	72	84	84	82	81·9	7·7
20	87	84	80	82	80	79	76	76	72	70	65	64	73	78	80	90	91	90	90	92	89	80	80	81	80·4	8·0
21	79	82	75	74	75	72	69	69	68	65	66	66	66	64	68	67	70	72	73	74	75	79	79	83	72·0	11·4
22	81	80	76	77	82	86	86	86	80	75	68	66	63	61	61	62	79	80	80	78	77	81	82	80	76·2	12·6
23	80	83	84	83	83	83	85	88	85	82	77	83	78	75	64	65	64	70	70	72	78	82	80	82	78·1	10·2
24	82	79	77	80	77	77	77	80	83	80	78	76	73	72	78	81	82	84	86	87	86	84	86	83	80·3	9·5
25	69	70	70	63	69	65	66	69	66	59	57	56	59	55	55	54	60	63	65	70	70	73	71	69	64·6	6·4
26	70	66	66	71	77	73	72	70	74	74	76	76	79	85	86	86	92	93	83	70	80	75	77	71	76·7	7·2
27	75	82	86	79	60	64	62	60	60	56	54	56	55	54	57	59	62	61	65	66	81	82	76	79	66·1	6·1
28	74	74	68	69	68	68	66	64	68	70	70	69	70	67	68	68	79	79	76	80	79	82	82	84	72·5	6·7
29	84	79	73	71	71	77	77	79	82	88	91	93	90	90	93	95	95	95	94	93	89	95	95	96	86·6	9·5
30	98	89	88	89	81	87	87	91	95	92	84	79	71	71	73	74	72	78	81	87	83	78	78	78	83·0	9·3
31	85	80	82	82	80	80	80	78	80	69	66	65	64	59	61	63	66	73	73	75	74	75	72	78	73·3	7·0
Mean	82·2	82·1	83·1	82·1	81·5	81·7	81·2	81·1	79·2	74·7	72·1	70·0	68·6	67·8	68·8	71·0	74·5	77·7	79·5	79·5	79·7	81·2	81·6	81·3	77·6	†8·9
Vapour Pressure*	mb 8·6	mb 8·5	mb 8·6	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·6	mb 8·9	mb 9·0	mb 9·1	mb 9·0	mb 9·0	mb 9·0	mb 8·9	mb 9·0	mb 9·1	mb 9·1	mb 9·0	mb 8·8	mb 8·7	mb 8·7	mb 8·6	mb 8·5	mb ‡8·8	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

109 ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	76	76	79	83	83	84	85	91	88	81	81	84	89	90	91	92	92	93	91	94	91	91	96	94	87·0	8·8
2	96	94	86	77	72	76	80	81	82	78	74	72	64	67	69	71	71	73	73	74	78	77	76	83	77·1	7·6
3	81	70	68	73	73	73	74	67	64	67	61	56	60	60	60	64	65	73	73	73	74	74	81	82	69·4	7·8
4	79	79	83	80	83	79	71	76	79	79	76	70	73	76	76	79	76	76	83	76	77	82	83	85	78·1	8·3
5	85	84	77	84	85	84	84	85	78	74	68	69	69	71	70	68	74	80	79	75	80	81	78	74	77·6	7·7
6	80	71	71	71	72	74	79	84	86	83	83	84	78	78	76	76	76	75	74	74	76	78	83	84	77·5	8·0
7	88	87	88	84	80	86	89	83	74	73	72	70	73	80	82	80	88	78	74	74	78	78	86	87	80·4	9·2
8	76	74	75	76	76	82	80	82	84	80	79	73	72	73	74	83	86	85	82	75	77	73	74	73	78·0	8·1
9	78	78	79	77	85	90	87	87	87	87	78	81	71	76	80	85	86	87	87	93	93	92	92	87	84·0	7·3
10	87	90	90	87	92	90	89	92	89	87	75	72	69	71	76	82	77	80	85	88	87	90	90	90	84·3	6·5
11	90	90	91	85	87	85	84	84	85	79	75	72	72	76	77	81	85	86	79	76	81	76	76	79	81·5	7·3
12	74	74	69	74	70	72	73	73	73	73	86	83	78	78	76	77	78	75	77	78	80	80	84	82	76·5	8·2
13	78	74	74	79	84	75	73	78	82	74	72	60	67	69	71	70	77	84	85	86	84	72	71	75	75·7	6·4
14	83	85	86	86	94	93	96	96	96	90	91	89	86	89	91	90	91	81	76	76	74	80	72	70	86·0	8·0
15	73	74	73	76	75	83	84	84	85	86	89	85	71	82	69	78	70	75	78	75	80	80	71	74	77·8	6·7
16	69	70	70	68	67	69	72	75	77	81	88	90	86	80	84	88	86	84	85	88	88	90	90	90	80·3	7·3
17	93	91	89	91	93	95	95	95	94	92	91	90	86	86	87	88	93	94	90	90	90	91	90	94	91·1	7·9
18	88	87	94	92	95	94	97	97	95	91	93	89	79	77	71	71	83	87	84	93	93	92	90	90	88·5	7·9
19	93	91	93	87	88	82	84	83	79	78	78	77	74	72	75	74	78	77	77	77	81	81	83	84	81·2	7·1
20	84	87	85	82	82	84	83	85	88	84	80	74	71	71	79	81	82	82	90	87	89	87	85	90	82·9	7·1
21	91	90	94	92	89	90	92	92	92	87	85	73	73	68	64	66	74	75	78	85	84	77	82	82	82·5	6·0
22	72	75	85	85	83	80	83	80	80	82	72	69	71	66	69	76	79	78	84	83	87	85	87	89	79·0	5·7
23	92	90	92	96	96	94	96	96	98	98	98	98	97	96	95	98	98	98	98	98	99	99	97	97	96·3	6·3
24	96	95	94	93	90	90	86	87	88	88	88	85	87	88	89	91	90	93	92	93	91	93	91	89	90·5	5·5
25	93	94	93	90	87	89	92	92	97	97	95	91	91	93	94	96	91	93	93	93	94	94	95	95	92·9	8·1
26	95	94	96	94	97	98	97	97	97	97	98	97	100	96	94	91	91	90	94	94	96	94	96	93	95·3	8·4
27	87	92	94	93	91	93	94	89	91	86	85	79	75	79	81	79	80	81	86	89	92	90	90	88	86·9	6·8
28	85	89	89	85	84	85	85	85	80	76	73	71	71	69	71	75	72	70	67	65	70	77	84	82	77·6	6·1
29	89	86	87	86	87	84	85	87	86	74	73	78	73	75	79	77	81	86	83	84	85	84	88	78	82·3	9·6
30	70	66	64	60	60	65	60	59	58	65	61	56	61	66	67	68	60	73	82	68	79	65	79	74	66·2	6·9
Mean	84·0	83·2	83·6	82·9	83·3	83·9	84·3	84·7	84·4	82·2	80·6	77·9	76·2	77·3	77·9	79·8	81·0	82·1	82·6	82·5	84·3	83·4	84·7	84·5	82·1	†7·4
Vapour Pressure*	mb 7·3	mb 7·2	mb 7·1	mb 7·0	mb 7·0	mb 7·1	mb 7·0	mb 7·1	mb 7·2	mb 7·4	mb 7·6	mb 7·8	mb 7·8	mb 7·9	mb 7·8	mb 7·7	mb 7·5	mb 7·5	mb 7·4	mb 7·3	mb 7·4	mb 7·4	mb 7·4	mb 7·3	mb ‡7·4	

110 ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — DECEMBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	63	66	63	49	53	50	57	64	69	78	70	80	75	74	84	77	87	76	78	87	82	77	82	75	72·4	5·9
2	71	76	76	73	79	80	85	85	87	88	88	87	78	70	68	66	66	68	69	73	73	73	70	72	75·9	5·8
3	73	71	73	75	75	74	74	74	80	89	85	91	92	87	87	85	89	93	86	80	78	78	50	53	79·2	6·4
4	67	59	67	64	64	69	77	68	62	79	75	80	75	58	62	72	72	72	72	73	70	66	68	70	68·0	5·4
5	73	74	87	88	94	96	94	96	96	94	90	83	80	75	74	71	72	71	74	77	80	80	80	82	82·3	5·4
6	88	96	94	94	94	96	91	84	78	82	84	79	84	92	91	91	94	76	85	79	90	68	75	69	85·9	5·6
7	76	75	78	81	86	81	80	79	73	70	67	67	65	64	62	60	64	69	72	77	80	87	82	81	73·7	4·3
8	89	89	87	92	90	85	79	79	73	74	71	67	71	71	71	76	74	76	77	76	77	84	75	80	78·5	6·5
9	79	79	82	79	82	84	82	81	83	80	75	78	77	75	77	77	80	82	80	79	82	81	81	78	79·7	6·1
10	78	78	82	82	85	85	83	86	87	90	87	88	88	88	88	88	90	90	88	90	90	91	90	90	86·5	8·3
11	90	90	88	91	90	93	90	85	72	71	72	68	75	82	87	80	80	85	84	85	87	89	92	94	84·1	7·4
12	93	93	93	92	93	93	93	93	93	93	92	92	89	85	84	87	82	82	87	87	84	84	85	85	89·1	6·8
13	85	87	87	85	83	78	78	81	87	87	85	84	80	82	79	78	78	83	81	79	84	81	86	86	82·6	6·2
14	86	87	88	91	89	88	87	86	84	86	72	71	63	59	61	72	71	69	67	68	71	73	68	70	76·5	6·8
15	73	72	72	62	65	68	66	71	69	70	64	64	65	73	75	79	78	78	75	78	79	82	79	84	72·3	5·6
16	82	85	83	83	65	63	65	70	76	72	70	69	71	71	75	78	80	81	82	76	85	79	73	74	75·5	6·5
17	76	79	78	76	80	85	82	79	83	86	87	87	87	87	93	94	93	94	94	71	75	69	61	63	81·9	7·8
18	65	67	66	71	72	73	73	77	78	82	83	78	82	76	80	77	77	72	61	65	63	71	68	69	72·6	7·3
19	72	72	69	76	76	75	73	75	80	73	76	73	75	83	79	82	81	83	85	80	80	79	74	74	76·8	7·0
20	74	73	71	70	68	68	70	72	73	70	70	70	71	69	70	72	72	74	71	69	73	69	66	69	70·7	8·9
21	67	74	68	70	72	75	75	73	76	77	79	80	82	79	82	88	91	93	91	93	93	93	90	87	80·8	8·2
22	87	90	84	86	84	83	82	82	81	82	76	72	67	66	68	65	70	79	75	69	69	69	75	74	76·7	6·6
23	69	72	75	71	71	71	68	66	66	69	69	72	76	68	74	62	66	61	62	73	72	71	62	64	69·0	5·9
24	62	62	65	67	70	68	68	65	70	70	73	68	69	66	70	75	73	75	78	79	79	76	71	74	70·3	8·7
25	77	87	91	93	94	94	93	93	94	89	88	88	88	88	88	88	89	90	90	90	89	90	90	89	89·3	9·8
26	90	91	93	94	96	96	93	91	87	91	86	81	81	80	80	87	89	90	93	93	90	96	94	94	89·7	8·0
27	94	94	96	94	92	90	93	90	92	90	85	85	85	80	80	84	73	70	69	72	72	75	72	71	83·7	6·3
28	73	69	69	70	73	77	78	76	76	84	84	84	84	82	79	82	79	82	82	82	84	83	85	87	79·0	6·8
29	83	83	79	79	79	75	73	80	80	79	80	82	84	82	82	87	90	90	88	87	89	85	83	74	82·5	6·4
30	78	75	73	73	78	85	83	83	85	83	83	79	82	85	84	83	86	86	87	84	88	84	83	88	82·1	8·0
31	89	92	93	91	89	83	82	72	76	77	72	71	71	74	74	77	78	78	79	76	79	78	77	79	79·6	9·1
Mean	78·1	79·3	79·7	79·4	80·0	80·0	79·6	79·2	80·2	80·8	78·6	77·4	77·8	76·5	77·7	78·7	79·5	79·6	79·4	78·9	80·2	79·4	77·0	77·4	78·9	†8·9
Vapour Pressure*	mb 6·7	mb 6·8	mb 6·8	mb 6·8	mb 6·8	mb 6·8	mb 6·7	mb 6·6	mb 6·6	mb 6·8	mb 6·8	mb 6·9	mb 7·0	mb 6·9	mb 6·9	mb 6·9	mb 6·9	mb 6·9	mb 6·9	mb 6·9	mb 7·0	mb 6·9	mb 6·7	mb 6·7	mb ‡6·8	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY AND VAPOUR PRESSURE: ANNUAL MEANS FROM HOURLY VALUES
For exact hours, Greenwich Mean Time

111 **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Relative Humidity	% 84·2	% 84·5	% 85·0	% 84·9	% 84·6	% 84·0	% 82·4	% 81·0	% 79·6	% 77·6	% 76·2	% 75·0	% 74·6	% 74·4	% 74·6	% 75·7	% 77·1	% 78·5	% 80·1	% 81·4	% 82·5	% 83·2	% 83·6	% 84·0	% 80·4
Vapour Pressure in millibars*	mb 8·5	mb 8·4	mb 8·4	mb 8·3	mb 8·3	mb 8·4	mb 8·5	mb 8·6	mb 8·8	mb 8·8	mb 8·9	mb 9·0	mb 9·1	mb 9·1	mb 9·0	mb 9·0	mb 9·0	mb 9·0	mb 8·9	mb 8·9	mb 8·8	mb 8·8	mb 8·7	mb 8·6	mb 8·8

*Computed from the mean temperature and mean relative humidity

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

112 **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres 1936

Month	Mean	Hour G.M.T. 1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	84·7	0·0	+1·0	+1·7	+1·7	+0·9	+0·8	0·0	+0·2	+0·7	0·0	-1·1	-2·3	-3·0	-3·5	-3·4	-1·1	-0·6	+1·0	+1·3	+1·4	+1·4	+0·9	+0·7	+1·1
Feb.	81·8	+0·6	+1·2	+1·9	+3·4	+3·4	+2·9	+2·2	+1·9	+1·4	-1·5	-2·4	-3·0	-3·4	-3·4	-3·6	-1·9	-0·9	-1·0	+0·2	0·0	+0·6	+0·6	+0·5	+0·4
Mar.	83·4	+3·0	+3·6	+4·6	+4·3	+3·7	+3·7	+4·4	+3·7	+1·8	-0·8	-3·8	-5·3	-6·8	-8·0	-5·8	-5·1	-3·6	-2·0	-1·0	+0·3	+0·8	+2·1	+1·9	+2·2
Apr.	71·6	+8·1	+7·8	+8·3	+7·0	+7·8	+6·5	+3·2	+0·6	-3·1	-5·1	-6·8	-7·7	-7·7	-9·8	-10·0	-9·3	-6·4	-5·3	-3·2	+1·2	+3·8	+5·9	+6·5	+7·6
May	81·0	+4·9	+5·4	+6·1	+6·5	+5·7	+4·3	+0·7	-2·5	-5·0	-5·5	-5·1	-5·7	-4·2	-4·3	-4·9	-4·4	-4·5	-2·9	-0·7	+1·9	+1·3	+3·4	+4·5	+5·1
June	76·2	+8·3	+8·8	+9·1	+9·3	+8·0	+5·3	+0·3	-4·0	-4·4	-6·4	-7·4	-7·2	-6·3	-6·3	-6·8	-6·1	-6·9	-6·3	-3·4	-0·2	+2·9	+5·7	+6·4	+7·5
July	81·1	+6·8	+7·1	+7·6	+6·6	+5·7	+3·4	+0·8	-2·1	-3·8	-5·5	-6·5	-6·2	-7·9	-8·3	-7·8	-6·5	-4·7	-2·1	-0·2	+2·4	+4·5	+5·8	+6·5	+6·7
Aug.	78·2	+5·7	+5·5	+5·8	+6·6	+6·0	+6·1	+3·7	+0·9	-2·2	-5·2	-5·5	-6·6	-7·7	-8·2	-7·7	-7·8	-5·5	-4·2	-0·2	+2·3	+3·8	+3·9	+4·6	+5·7
Sept.	87·6	+2·6	+2·6	+3·1	+3·7	+3·9	+3·7	+3·3	+2·2	+0·4	-2·3	-3·9	-4·9	-5·7	-5·0	-5·2	-4·1	-2·3	-0·5	+0·8	+1·1	+1·3	+0·9	+1·9	+2·4
Oct.	77·6	+4·2	+4·2	+5·2	+4·2	+3·7	+4·0	+3·4	+3·4	+1·5	-3·0	-5·5	-7·6	-9·0	-9·8	-8·7	-6·5	-2·9	+0·3	+2·0	+2·1	+2·4	+3·8	+4·5	+4·0
Nov.	82·1	+1·8	+1·0	+1·4	+0·7	+1·1	+1·8	+2·1	+2·6	+2·2	+0·1	-1·5	-4·2	-5·9	-4·9	-4·2	-2·3	-1·1	0·0	+0·5	+0·4	+2·1	+1·3	+2·6	+2·4
Dec.	78·9	-0·7	+0·5	+0·8	+0·5	+1·1	+1·1	+0·7	+0·3	+1·3	+1·9	-0·3	-1·6	-1·1	-2·5	-1·3	-0·3	+0·5	+0·6	+0·4	-0·1	+1·2	+0·4	-2·0	-1·6
Year	80·4	+3·8	+4·1	+4·6	+4·5	+4·8	+3·6	+2·1	+0·6	-0·8	-2·8	-4·2	-5·4	-5·7	-6·0	-5·8	-4·6	-3·2	-1·9	+0·3	+1·1	+2·2	+2·9	+3·2	+3·6

† See page 23

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES
†Amounts, in millimetres; durations, in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time

113 **ABERDEEN:** H_r = 24·1 metres + 0·6 metres 1936

Hour G. M. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm 22·8	mm 31·4	mm 31·4	mm 32·0	mm 21·7	mm 18·1	mm 26·8	mm 13·2	mm 14·0	mm 18·8	mm 17·8	mm 17·7	mm 26·8	mm 31·8	mm 26·8	mm 32·4	mm 37·0	mm 29·9	mm 21·6	mm 26·9	mm 31·9	mm 27·7	mm 27·2	mm 21·5	mm 607·2
Duration	hr 25·9	hr 30·0	hr 30·3	hr 27·6	hr 26·3	hr 22·1	hr 23·1	hr 19·1	hr 20·6	hr 21·2	hr 18·8	hr 21·8	hr 23·8	hr 25·8	hr 29·1	hr 28·6	hr 32·2	hr 28·7	hr 28·2	hr 29·2	hr 25·7	hr 26·2	hr 29·5	hr 25·1	hr 618·9

† The totals and durations for individual months are printed in the tables on the following pages

NOTES ON RAINFALL

114 **ABERDEEN** 1936

Rainfall Duration

Hours	0·1-1·0	1·1-2·0	2·1-6·0	6·1-12	12
Number of Days	68	38	67	26	5

Notable Falls There was only one fall of 25 mm. or more. It occurred on 11th - 12th July, when 27 mm. fell in a little over 20 hours. 5 mm. of rain fell in 4 min. and 10 mm. in 15 min. on July 16th, while 5 mm. fell in 12 min. on July 8th and again on July 11th. On two of these dates, July 11th and 16th high instantaneous rates of fall were recorded.

Wet Periods There were no occasions of either "Rain Spell" or "Wet Spell"; the only period calling for remark being the 10 days from 11th to 20th July, during which 70 mm. in all fell.

Dry Periods There were no occasions of "Absolute" or "Partial Drought", and no "Dry Spell", but the following periods of unusual dryness occurred:-

Feb. 4th - 16th	13 days	with 1·0 mm.
Apr.25th - May 4th	10 "	" 0·4 mm.
June17th - 29th	13 "	" 0·1 mm.
Aug.15th - 31st	17 "	" 1·3 mm.
Sept.16th - 23rd	8 "	" 0·1 mm.

Rate of Rainfall (Jardi Recorder) The highest instantaneous rate of rainfall was 167 mm./hr. on July 16th. Other dates upon which rates of rainfall of 50 mm./hr. or more were recorded were 11th July, 12th Sept, and 17th Dec.

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

115 ABERDEEN: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 24·1 metres + 0·6 metres

JANUARY 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	1·0	·5	·9	1·6	1·0	0·3	7·0	5·8	1
2	...	...	·1	(...)	(...)	...	·1	...	...	...	...	...	2·8	·1	·3	·1	·1	...	...	...	...	·2	1·2	·7	5·7	5·2	?
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	(...)	...	·1	...	...	...	0·4	0·6	?
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	·4	·5	1·0	1·0	1·0	·5	·3	·6	1·0	·4	·3	·4†	·5	·4	·2	8·5	13·7	14
6	·2	·2	·8	·9	1·4	1·7	1·0†	...	...	...	(...)	·1	...	...	...	...	...	...	...	...	(...)	·2	1·5	·3	8·3	6·9	8
7	...	...	...	·6†	...	...	·4	·4	·5	·2	·1	...	...	...	(...)	...	...	...	...	...	...	...	...	·6	2·8	2·9	14
8	...	...	...	·7†	...	·1	·1	...	...	(...)	...	...	...	...	...	...	...	...	...	·7	·6	...	...	...	2·2	2·2	9
9	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	·4	3·1	4·3†	3·7	1·1	...	...	13·0	3·9	9
10	...	...	·3	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·6	4
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	·1	1·4†	·1	...	...	...	...	...	(*)	...	(*)	...	...	...	...	·4	(*)	(*)	...	...	·2	·2	·1	...	2·5	1·8	7
14	...	...	...	·1	...	...	...	...	·1	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·4	1·2	?
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	(*)	...	...	...	...	...	0·5	0·9	?
17	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	2·1	·7	·3	(*)	1·2	1·7	·4	·6	·1	7·2	6·2	?
18	...	...	...	...	...	...	...	...	(...)	·4	·4	·5	...	...	·1	...	...	...	...	...	...	...	...	...	1·4	1·6	?
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	1·3†	1·1	1·5	1·2	·7	1·8	2·1	1·5	1·5	2·3	2·5	·4	...	17·9	11·2	6
21	...	...	...	...	...	...	...	(...)	·9	2·2	1·9	1·0	(...)	·1	...	...	...	·1	...	·1	...	...	...	...	6·3	4·5	(2)
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	·1	·4	·4	·6	·1	...	...	...	(...)	(...)	(...)	·2	·5	·3	...	·5	2·5†	1·8	7·4	7·6	6
26	2·2	3·1	3·6	3·7†	1·5	·3	·2	·3	·1	(≡‡)	·1	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	15·1	7·8	6
27	...	...	(...)	·1	(...)	...	...	...	(...)	...	·2	·4	·1	...	...	...	...	...	...	...	...	...	...	...	0·8	2·1	?
28	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2	...
29	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	·1	·2	·2	·2	(...)	·1	·1	·6	·3	·1	2·3	6·4	?
30	·7	·5	·3	·1	...	...	...	...	...	...	...	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	·1	1·7	3·2	1
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	3·5	5·2	5·2	7·1	2·9	2·2	1·9	1·1	2·0	3·9	3·3	4·3	5·9	3·2	2·2	3·8	3·4	6·3	6·5	9·0	10·0	7·8	8·0	4·2	112·9	97·5	
Total Duration	hr 2·3	hr 3·2	hr 4·4	hr 4·2	hr 2·0	hr 2·3	hr 2·4	hr 1·8	hr 3·1	hr 4·3	hr 3·1	hr 4·5	hr 4·4	hr 3·0	hr 3·4	hr 4·5	hr 4·3	hr 6·0	hr 5·0	hr 7·2	hr 6·2	hr 6·2	hr 5·9	hr 3·8	hr 97·5		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

116 ABERDEEN: H_r = 24·1 metres + 0·6 metres

FEBRUARY, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	·1	(*)	·2	·7	...	(*)	...	...	...	...	...	...	(*)	(*)	...	1·0	1·1	?
3	...	...	...	(*)	2·0	·4	...	·1	(*)	...	(*)	·2	...	...	·4	(*)	(*)	...	...	(*)	...	...	...	...	3·1	1·9	?
4	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2	?
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4	1
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5	?
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	(≡)	(≡)	(≡)	(≡)	(≡)	(≡)	...	...	...	...	...	(...)	(...)	(...)	(...)	...	·2	·8	(...)	·3	1·7	(...)	(...)	·1	1·1	4·2	3·3	4
18	·7	·2	1·0	·1	...	...	...	(...)	·4	1·9	1·4	1·8	2·3	·7	·2	·4	...	...	...	...	...	...	...	...	11·1	9·7	4
19	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	3·0†	1·0	...	...	...	...	...	5·6	2·9	6
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·3	1·0†	·6	·7	1·5	·4	·4	·1	·3	·1	...	...	...	...	·3	...	5·7	6·9	5
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	·2	1·0	1·1	1·2	·4	·5	·1	·1	·2	(...)	(...)	(...)	(...)	·1	·3	·6	1·0	1·2†	·5	8·5	13·2	6
24	·4	·7	·2	(...)	·7†	·2	·3	...	...	...	·1	·1	·2	(...)	(...)	(...)	(...)	·2	·1	...	...	...	...	...	3·2	6·2	6
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	·9	...	...	...	...	...	...	...	...	...	·9	·3	·3	·4†	·3	·2	·3	·1	(...)	(...)	(...)	...	...	3·7	6·8	6
29	...	...	...	...	...	...	...	...	...	·2	...	...	...	·1	·2	·1	·2	·1	(...)	·2	·1	·1	(...)	(...)	1·3	3·5	4
Sum	1·7	2·6	1·2	0·1	2·7	0·8	1·3	1·2	1·9	3·6	2·6	4·0	5·3	1·7	1·6	1·1	2·5	3·7	1·6	2·2	0·7	1·1	1·6	1·6	48·4	57·6	
Total Duration	hr 2·8	hr 2·8	hr 1·2	hr 0·2	hr 1·6	hr 1·8	hr 1·4	hr 1·2	hr 1·8	hr 3·4	hr 3·4	hr 4·5	hr 5·1	hr 3·0	hr 3·1	hr 2·6	hr 3·2	hr 3·5	hr 2·7	hr 1·9	hr 1·5	hr 1·5	hr 1·6	hr 1·8	hr 57·6		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

117 ABERDEEN: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 24·1 metres + 0·6 metres

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

MARCH, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	·1	(...)	(...)	(...)	·1	...	...	...	...	·1	...	...	...	...	0·3	0·7	?
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·7	·7	...	...	...	...	...	1·7	2·4	?
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	0·6	0·9	2
6	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	...
7	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·3	·9	·7	·3	·2	...	...	2·4	4·2	?
8	...	...	...	...	...	...	(...)	(...)	·1	(...)	(...)	...	...	...	...	...	...	...	...	...	(...)	·2	(...)	·1	0·4	1·1	?
9	(...)	·1	·2	·4	·7	1·2	1·5	1·2	1·6	1·1	1·1	·6	·7	·9	·2	·4	·4	·2	·2	·4	1·4	·7	·8	·7	16·7	22·7	2
10	·5	·1	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	1·2	2·8	1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	(...)	(...)	(...)	(...)	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	?
16	...	...	...	...	...	...	·3	·5	·4	·3	(...)	...	...	...	...	...	...	...	(...)	...	(...)	...	...	...	1·5	3·7	?
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	·1	·3	·4	·2	(...)	(...)	(...)	(≡)	(≡)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	2·4	2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	·3	...	...	...	(ɔ)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4	1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	·4	·2†	(...)	(...)	·1	(...)	(...)	...	...	...	...	...	...	...	0·7	0·9	11
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	(...)	·1	(...)	·1	·1	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	·1	(...)	(...)	(...)	(...)	(...)	...	...	0·4	4·0	...
26	...	...	...	...	(...)	(...)	(...)	(...)	(...)	(...)	...	...	...	(...)	·1	(...)	...	...	...	...	...	...	...	...	0·1	1·0	...
27	...	...	...	...	...	...	...	...	...	...	...	(...)	...	(...)	·1	·3	(...)	·1	(...)	(...)	·4	(...)	...	...	0·9	2·5	?
28	...	...	·1	·1	·1	(≡)	(≡)	(≡)	...	...	...	...	(...)	·4	...	...	...	...	...	...	...	...	...	...	0·7	2·4	3
29	...	...	...	...	(≡)	(≡)	(≡)	(≡)	(≡)	...	...	...	(...)	·6	·8	1·6	1·7	1·5	·5	·7	1·0	1·5†	·1	...	10·0	9·1	7
30	...	...	...	...	...	...	·4	·4	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·9	1·0	2
31	...	...	...	...	...	...	...	...	(...)	...	...	...	...	(...)	(...)	·6	...	·5†	...	...	...	...	...	...	1·1	0·7	9
Sum	0·8	0·3	1·0	1·2	1·3	1·3	2·2	2·1	2·3	1·4	1·6	0·8	0·7	1·9	1·5	3·5	2·5	3·3	2·3	1·9	3·1	2·6	0·9	0·8	41·3	63·4	
Total Duration	hr 1·4	hr 2·3	hr 3·0	hr 2·4	hr 4·0	hr 2·0	hr 1·9	hr 2·6	hr 2·8	hr 2·0	hr 1·4	hr 1·3	hr 1·0	hr 2·8	hr 4·1	hr 4·1	hr 3·5	hr 4·4	hr 3·9	hr 3·2	hr 3·8	hr 2·7	hr 1·5	hr 1·3	hr 63·4		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

118 ABERDEEN: H_r = 24·1 metres + 0·6 metres

APRIL, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·1	...	(...)	0·2	0·5	...
2	·4	·1	...	...	...	...	...	...	...	(...)	(...)	...	·1	...	...	...	...	...	...	(...)	(...)	...	...	...	0·6	1·6	?
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	0·2	1
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·6†	...	...	...	·2	...	...	...	...	...	1·0	1·2	10
7	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2	4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	(...)	(△)	·6†	(...)	·3	...	...	(...)	·3	(...)	·3	...	(△)	...	...	1·5	0·9	16
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	·3†	...	(...)	...	(...)	...	...	(▲)	...	...	...	...	...	...	...	...	...	0·3	0·2	6
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	·2	(...)	...	...	...	(...)	...	...	...	...	...	...	...	...	...	(...)	...	...	·6	·5	1·3	2·4	2
16	·7	·3	·5	·6	·5	(...)	·2	...	...	...	...	(*△)	(*)	·1	(*)	(*)	...	...	...	...	...	...	(*)	...	2·9	4·5	4
17	...	...	(*)	...	·1	·1	...	...	(*)	...	(△)	...	...	...	...	...	(*△)	...	...	...	...	...	...	...	0·2	0·3	3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(△)	...	...	(...)	(...)	(...)	...	·1	...	...	0·1	0·2	...
19	...	...	...	...	...	...	·1	(*)	...	...	(*)	(*)	·2†	...	(*)	...	(△)	(△)	(△)	(△)	...	(△)	...	...	0·3	0·4	6
20	...	...	...	...	...	(△)	...	(*)	·5†	·5	...	·6†	·2	...	...	...	...	...	...	...	...	...	...	...	1·6	1·3	5
21	...	·1	...	...	...	...	...	...	...	...	(*)	(*)	...	(*)	1·2†	·1	1·4	1·5	(*)	...	...	...	...	...	4·3	2·8	(9)
22	·1	...	...	...	...	...	...	1·4	·5	(*)	...	...	...	(*)	...	(*△)	(*△)	·2	...	...	...	(*)	(*)	...	2·2	1·4	?
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	·1	(...)	...	...	...	...	(...)	(...)	·1	...	(...)	...	...	...	...	...	...	...	...	...	...	·1	·1	(...)	0·4	3·0	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·1	0·1	0·8	...
Sum	1·3	0·5	0·5	0·9	0·9	0·1	0·3	1·7	1·1	0·5	...	1·2	0·6	0·5	1·8	0·1	1·4	2·0	0·2	0·3	0·1	0·3	0·7	0·6	17·6	21·0	
Total Duration	hr 2·6	hr 1·3	hr 0·8	hr 1·0	hr 1·8	hr 0·2	hr 0·6	hr 0·7	hr 1·4	hr 0·4	hr ...	hr 0·6	hr 0·8	hr 0·3	hr 1·5	hr 0·2	hr 0·6	hr 1·4	hr 0·2	hr 0·2	hr 0·2	hr 1·8	hr 1·6	hr 1·8	hr 21·9		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

119 ABERDEEN: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 24·1 metres + 0·6 metres

MAY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·4	?
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	·4	·6†	·2	(...)	(...)	(...)	(...)	·1	·1	(...)	(...)	(...)	·5	(...)	·3	·3	·2	(...)	...	...	2·7	6·7	21
6	...	...	...	...	...	...	...	...	(...)	(...)	...	...	1·0†	1·8	·3	(...)	(...)	·1	·2	·3	(...)	·1	·3	(...)	4·1	5·7	18
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	(...)	(...)	·3	·3	·5	·4	·2	·1	(...)	(...)	·1	·1	...	...	...	2·0	6·3	1
13	...	·1	...	·2	·6	...	...	...	(...)	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	2·1	4
14	...	·2†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	6
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	1·5	·1	2·4†	·9	·6	...	...	5·9	4·9	11
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	·1	...	·2†	·3	·1	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·2	5
22	...	...	...	...	...	...	...	...	...	(...)	...	...	4·4†	1·2	·7	·5	·6	·2	·2	·1	...	...	...	...	7·9	7·5	6
23	...	·1	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·8	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	·1	...	...	...	...	(...)	...	...	·5†	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	0·6	0·3	9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	·3	·2	(...)	...	...	...	...	...	0·5	1·6	3
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	(...)	·3	·7	...	(...)	(...)	(...)	...	·2	·4†	·1	·2	·3	...	(...)	·1	·4	2·7	1·9	32
31	(...)	...	·2	·1	(...)	...	(...)	(...)	(...)	(...)	...	...	·5†	(...)	...	·2	...	...	...	...	...	...	...	...	1·0	0·6	8
Sum	0·3	0·6	0·4	0·6	1·1	0·6	0·2	...	0·3	1·8	0·1	0·4	6·3	3·5	1·4	1·2	2·2	2·1	1·0	3·5	1·2	0·7	0·4	0·4	30·3	41·1	
Total Duration	hr 1·1	hr 2·1	hr 0·3	hr 0·6	hr 1·0	hr 0·2	hr 0·3	hr ...	hr 0·4	hr 1·4	hr 0·2	hr 2·0,	hr 3·5	hr 2·6	hr 2·5	hr 2·6	hr 5·0	hr 3·0	hr 3·4	hr 3·6	hr 2·2	hr 1·8	hr 1·1	hr 0·2	hr 41·1		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

120 ABERDEEN: H_r = 24·1 metres + 0·6 metres

JUNE, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	·4†	...	·1	·7	(...)	·2	...	...	...	...	...	...	(ص)	(ص)	(ص)	1·4	1·4	10
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·2	1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	·2	...	·1	·2	·7	1·7†	·5	...	·8	·6	·3	...	...	...	5·1	3·1	7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2†	·2	1·4	1·3	6
10	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·8	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	0·3	1·2	1
12	·5	·5	·1	(...)	·1	...	(...)	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	1·2	3·6	2
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	(...)	·2	·1	(...)	·2	(...)	·4	·2	1·2†	2·3	4·0	8
15	·1	...	...	...	...	...	...	...	...	...	...	...	·7	3·2†	(...)	...	...	...	...	...	...	...	...	...	4·0	1·0	29
16	...	...	...	...	...	...	...	(...)	(...)	(...)	·6	·3	(...)	...	...	...	...	...	...	...	...	...	...	...	0·9	1·7	?
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	(≡)	·1	(≡)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1·0	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	·1	2·4†	·8	·6	·1	(...)	(...)	·1	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	4·1	3·6	10
Sum	0·9	0·7	0·3	2·4	0·9	0·6	0·1	...	...	0·5	0·8	0·4	1·5	3·4	0·9	1·7	0·7	0·1	0·8	0·8	0·3	0·4	1·5	1·7	21·4	23·9	
Total Duration	hr 2·1	hr 1·8	hr 2·1	hr 1·0	hr 1·8	hr 1·0	hr 0·3	hr ...	hr ...	hr 0·4	hr 0·9	hr 1·1	hr 1·3	hr 0·8	hr 0·7	hr 0·5	hr 1·3	hr 0·6	hr 0·3	hr 1·0	hr 0·4	hr 0·6	hr 1·6	hr 2·5	hr 23·9		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

121 ABERDEEN: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 24·1 metres + 0·6 metres

JULY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...	...	(...)	(...)	·1	(...)	0·1	0·5	...
2	(...)	1·3	·9†	·6	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	3·0	5
3	...	...	...	·1	·1†	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	(...)	0·6	0·5	7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	(...)	·4	·6	·4	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	3·1	...
8	...	...	·2	·2	2·2	2·2	8·6†	1·3	·3	(...)	(...)	·1	·4	·3	·2	·3	·1	...	(...)	·4	·1	...	...	...	16·9	10·3	42
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	·2	·1	(...)	·1	·3	·3	·4	(...)	·1	·6	·6	1·4	6·6†	(...)	·9	(...)	1·0	6·0	·1	3·0	21·7	10·2	105
12	·8†	(...)	·1	2·2	·1	(...)	(...)	(...)	(...)	...	...	...	2·1	...	...	...	...	(...)	(...)	...	...	...	...	...	5·3	2·1	28
13	...	...	...	·4	·9	·5	·6	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	3·2	4·7	?
14	(...)	·2	...	(...)	...	(...)	(...)	(...)	(...)	(...)	(...)	(...)	·1	·5	(...)	...	...	...	...	...	(...)	...	...	...	0·8	0·7	?
15	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	...	·4	·7	·8	(...)	1·5†	·7	·4	(...)	·3	5·7	5·2	13
16	(...)	·2	·6	·1	...	...	...	...	...	...	·1	·2	(...)	...	...	11·0†	·4	·8	...	·5	...	...	...	...	13·9	4·3	167
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	·4	·2	0·6	0·7	...
18	...	...	4·3	3·9†	1·0	...	...	...	(...)	(...)	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	9·2	1·5	39
19	·2	·7	·2	...	...	...	...	...	...	...	(...)	...	(...)	·4	2·8†	·7	1·9	·1	·8	·2	(...)	(...)	...	...	8·0	5·2	5
20	...	...	·5	1·0	(...)	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	1·5	1·4	?
21	...	...	...	...	...	...	...	...	...	(...)	·2	·4†	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·4	18
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	·6	·5	1·5	1·9	·8	·4	1·4	3·5†	...	...	11·0	8·4	49
24	...	...	...	...	...	...	·9	(...)	...	...	...	·1	·2	...	...	...	(...)	(...)	·1	·1	...	...	...	...	1·4	1·9	?
25	...	...	...	·2	·1	...	...	...	...	(...)	...	(...)	...	...	...	...	...	...	...	·6	·4	...	...	...	1·3	2·1	?
26	...	...	...	...	·2	...	...	...	(...)	(...)	(...)	(...)	(...)	(...)	(...)	·1	...	(...)	·4	1·0†	·2	·0	...	...	1·9	1·7	11
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	(...)	...	...	...	(...)	(...)	·1	1·0	1·1	1·2	1
31	3·3	4·5†	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	(...)	...	9·5	4·8	14
Sum	4·3	6·9	8·0	8·7	5·2	3·4	10·5	2·2	0·7	0·3	0·7	0·8	2·9	3·1	4·2	14·4	11·2	3·6	3·0	4·8	4·0	10·1	1·1	4·5	118·6	73·9	
Total Duration	hr 1·7	hr 3·9	hr 5·2	hr 5·3	hr 5·0	hr 3·2	hr 3·3	hr 2·5	hr 1·9	hr 0·4	hr 0·8	hr 1·0	hr 2·3	hr 4·1	hr 3·8	hr 4·9	hr 3·6	hr 2·0	hr 2·8	hr 4·6	hr 3·7	hr 3·3	hr 1·8	hr 2·8	hr 73·9		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

122 ABERDEEN: H_r = 24·1 metres + 0·6 metres

AUGUST, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	7·1†	·6	·5	(...)	1·2	...	...	·2	·1	·1	...	9·8	3·1	48
2	...	·1	·1	...	...	...	·1	·4	1·1	2·4	1·0	·9	...	·1	...	...	·9†	·6	·2	·5	·7	...	...	...	9·1	7·9	15
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	2·1†	·4	·2	·4	...	...	...	...	3·4	2·2	38
4	...	(...)	·4	...	...	·2	·2	...	...	...	...	...	·1	·5†	...	...	...	...	...	(...)	·1	...	...	...	1·5	1·9	6
5	...	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	(...)	·6	1·2	·5	1·8†	1·4	·1	(...)	(...)	·2	·2	(...)	...	·2	...	...	...	...	...	...	...	...	6·2	5·5	16
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	·4	·1	...	...	·3	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	2·7	1
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	(...)	...	·1	·1	0·2	0·2	...
14	...	...	...	...	...	...	...	...	(...)	·2	1·8†	·1	·3	...	...	...	...	...	...	...	...	...	...	...	2·4	1·6	7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	1·3	...	(...)	...	...	...	1·3	0·5	4
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	...	0·6	0·6	0·6	1·2	1·0	2·9	1·9	1·2	2·6	2·8	1·2	0·6	7·7	0·6	1·0	3·0	2·2	1·7	0·9	1·0	0·1	0·2	0·1	35·7	25·9	
Total Duration	hr ...	hr 0·8	hr 0·5	hr 1·0	hr 1·0	hr 1·6	hr 2·5	hr 2·3	hr 1·2	hr 1·1	hr 2·0	hr 1·1	hr 0·9	hr 1·3	hr 0·3	hr 1·0	hr 1·4	hr 1·7	hr 1·0	hr 1·2	hr 1·5	hr 0·1	hr 0·3	hr 0·1	hr 25·9		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

123 ABERDEEN: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 24·1 metres + 0·6 metres

SEPTEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	1·1	·2	1·8	3·3	2
2	·5	2·1	·9	·3	·9	·1	·1	·1	·2	·2	·2	·2	·5	·4	·2	(...)	(...)	·1	(...)	(...)	2·8†	·5	2	(...)	10·5	18·4	14
3	·5	1·4	·2	·3	(...)	·1	·1	(...)	·3	·6	·2	...	...	...	...	...	...	(...)	·1	·8†	...	...	(...)	(...)	4·6	9·6	28
4	(...)	2·4†	3·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	1·8	·1	(...)	(...)	7·5	2·7	34
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·2	...
6	(...)	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	(...)	(...)	·8†	...	...	...	...	...	...	...	...	(...)	0·8	0·2	21
7	·2	·2	1·8	1·1	·3	3·3	·6	·5	1·3	1·6	1·2	1·7	·4	·1	·8†	·2	·3	·3	·3	·1	(...)	·1	·3	(...)	16·7	19·5	27
8	...	...	...	...	·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌓)	(⌓)	0·5	0·3	21
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	·1	·1	·6	·4	·2	·7	·1	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	2·2	4·4	2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	(...)	...	·2	·8	...	...	·4	(...)	1·2	3·7	1·4	3·8	4·0†	1·1	·8	...	...	...	...	17·4	7·7	70
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	0·2	0·6	...
15	...	...	...	...	...	...	...	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	5
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	(...)	·1	(...)	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	0·1	1·0	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	(...)	·1	(...)	...	(...)	·1	...	(...)	(...)	(...)	...	...	...	...	...	...	0·2	0·8	...
25	...	...	...	...	(...)	·1	(...)	·1	(...)	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	·1	0·3	0·9	3
26	...	...	...	...	...	(...)	(...)	(...)	...	...	...	(...)	(...)	...	...	(...)	...	(...)	·2	·1	·1	...	·3	·1	0·8	3·6	(1)
27	·1	(...)	·2	·2	·1	·2	·1	...	·1	...	...	·2†	...	...	...	·1	·6	...	...	...	...	...	...	...	1·9	2·8	11
28	·1†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5	10
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	(...)	...	(...)	(...)	(...)	...	(...)	...	·1	...	...	(...)	(...)	...	...	...	(...)	...	...	...	0·1	0·3	...
Sum	1·4	6·3	6·3	2·0	1·9	4·4	1·3	1·1	3·4	2·6	1·6	2·7	1·0	1·8	5·5	1·7	4·7	4·4	1·7	1·8	4·8	1·1	2·1	0·5	66·1	77·0	...
Total Duration	hr 3·2	hr 4·1	hr 4·2	hr 3·5	hr 2·7	hr 4·4	hr 4·0	hr 2·9	hr 5·0	hr 4·4	hr 2·5	hr 2·6	hr 2·0	hr 2·7	hr 3·2	hr 2·2	hr 2·3	hr 2·5	hr 3·3	hr 3·2	hr 2·2	hr 2·9	hr 4·6	hr 2·4	hr 77·0		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

124 ABERDEEN: H_r = 24·1 metres + 0·6 metres

OCTOBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9†	·2	1·2	1·8	7
2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	·1	·2	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·3	...	...	...	...	...	0·3	0·5	2
10	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	·1	·1	0·3	2·5	...
11	·5	·8	·4	·1	·1	·2	·1	(...)	(...)	·1	...	...	...	...	(...)	...	(...)	(...)	...	(...)	...	...	...	...	2·3	4·9	2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	·8†	...	0·6	0·2	10
13	...	...	...	·3	...	...	...	...	...	...	...	...	(...)	...	...	·1	(...)	...	...	...	...	...	...	...	0·4	0·3	4
14	(...)	·1	·2	·2	·2	(...)	·8	·6	·4	(...)	...	...	...	(...)	·2	...	...	...	...	...	...	...	...	...	2·7	5·9	2
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·6	0·9	2·3	2
17	·3	·1	·1	·3	(...)	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	...	...	...	...	...	0·9	3·2	2
18	...	·1	2·5†	1·8	·3	...	...	(...)	...	...	...	...	·3	...	(...)	(...)	...	...	...	...	...	...	...	...	5·0	2·7	18
19	(...)	...	...	...	...	...	...	...	(...)	·1	·5	(...)	...	(...)	(...)	...	...	...	...	...	(...)	·4	·7†	...	1·7	2·0	5
20	·5	...	...	·1	...	...	(...)	...	...	...	...	...	(...)	(...)	·1	·3	·2	·3	·1	·4	·1	...	...	...	2·1	7·4	3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...	(...)	...	...	(...)	·1	0·1	0·4	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	1·2	·3	·3	1·1†	(...)	...	...	(...)	...	·1	3·3	3·3	21
27	...	·2	1·4	·2	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	(...)	·3	·4	·1	·2	2·8	2·8	4
28	...	...	...	...	(...)	...	(...)	...	...	...	...	...	...	...	(...)	...	·1	...	...	...	...	...	...	...	0·1	0·2	4
29	...	...	...	...	...	...	...	...	(...)	·6	1·9†	(...)	...	...	·8	1·0	(...)	...	...	...	...	...	·4	·1	4·8	4·3	8
30	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	1·4	1·3	4·7	3·0	0·6	0·2	1·0	0·8	0·4	0·7	2·0	0·5	0·3	0·3	2·3	1·7	0·6	1·4	0·5	0·4	0·4	1·1	3·0	1·4	30·0	45·8	
Total Duration	hr 2·6	hr 2·3	hr 4·8	hr 3·9	hr 1·4	hr 0·8	hr 1·7	hr 1·2	hr 0·7	hr 1·0	hr 1·2	hr 0·6	hr 0·2	hr 0·4	hr 2·6	hr 2·7	hr 1·6	hr 1·2	hr 1·7	hr 1·0	hr 1·1	hr 2·3	hr 4·5	hr 4·1	hr 45·8		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

125 ABERDEEN: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 24·1 metres + 0·6 metres

NOVEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	·4	·7	2·2†	1·7	·8	·2	...	...	...	...	...	·1	·5	6·6	5·7	11
2	·5	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	1·1	2·0	1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	(...)	(...)	·1	...	...	...	...	...	...	...	...	...	...	·2†	...	0·3	0·5	8
7	·5	1·8†	·2	...	...	·8	1·5	·2	...	...	...	...	(...)	·7	1·0	·4	2·6	(...)	·3	...	...	...	1·4	·8	12·2	6·6	48
8	·9†	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	1·0	0·5	17
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	·1	...	...	...	...	...	...	...	(...)	...	1·1†	(...)	...	...	...	...	...	·1	...	...	...	...	·1	·1	1·5	0·8	40
13	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
14	...	...	...	...	·1	...	(...)	(...)	(...)	...	...	...	...	·1	·8	·7	·2	·1	(...)	...	...	...	...	...	2·0	4·0	2
15	...	...	...	...	...	...	...	(...)	(...)	(...)	·1	·3	...	·3	·1	...	...	...	...	...	...	...	...	...	0·8	1·4	4
16	·1	...	(...)	...	...	...	...	...	...	(...)	·3	·3†	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·2	5
17	...	...	...	...	·6	·3	1·2	·1	·1	·3	·4	·1	...	...	(...)	(...)	·2	·1	(...)	·1	(...)	·2†	...	...	3·7	7·8	5
18	...	·2	...	...	·2	...	·1	·1	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·4	4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡)	·1	(≡)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	0·1	...	...
24	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	(⎵)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·1	(...)	...	...	...	0·1	...	...
26	...	...	...	...	...	...	(...)	...	...	(...)	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	·1	(...)	...	...	...	0·4	1·0	1
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	(...)	0·4	0·9	1
29	·4	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	1·0	1·1	3
30	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	(...)	(...)	·1	(...)	·1	(...)	·6	(...)	·6†	·3	1·7	1·2	6
Sum	2·5	3·1	0·2	...	0·9	1·2	2·8	0·4	0·2	0·3	2·1	1·2	0·7	3·3	3·6	1·9	3·4	0·3	0·7	0·3	0·7	0·3	2·8	1·7	34·6	36·3	
Total Duration	hr 2·8	hr 2·1	hr 0·2	hr ...	hr 1·0	hr 1·4	hr 2·5	hr 1·9	hr 1·1	hr 1·0	hr 2·3	hr 1·9	hr 1·0	hr 2·2	hr 2·5	hr 2·5	hr 3·0	hr 0·9	hr 1·1	hr 0·4	hr 0·6	hr 0·3	hr 2·1	hr 1·5	hr 36·3		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

126 ABERDEEN: H_r = 24·1 metres + 0·6 metres

DECEMBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	(...)	...	(...)	...	...	...	...	...	·2	·3	(...)	·1	·1	...	·7	...	·8†	...	·1	·5	(...)	(...)	·3	...	3·1	2·3	9
2	...	...	...	...	...	...	(...)	·3	·3	·2	·2	·1	...	...	...	(...)	...	(*)	..	(*)	...	...	...	...	1·1	4·5	1
3	...	...	...	...	...	...	...	(*)	...	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·0	...
4	...	...	...	...	...	...	1·2†	(...)	...	(...)	(...)	...	·5	·1	(*)	...	...	...	...	...	...	...	...	...	1·8	1·1	7
5	...	...	·2	·6	·3	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	3·6	4
6	·1	·6	·1	·2	·4	·6	·4	·2	...	...	...	...	(*)	1·2†	·4	·3	·2	(...)	·2	(...)	·1	...	...	(*)	5·0	7·3	(4)
7	...	...	...	...	(*)	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·2	...	...	...	...	0·2	0·1	...
8	...	...	...	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·9	3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	(...)	...	(...)	(...)	...	...	...	...	...	...	(...)	...	...	...	(...)	...	(...)	(...)	·1	·8	·6	1·5	2·1	2
12	1·3	·2	·9	1·7	1·1	1·3	·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·4	7·8	3
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	...	·7	1·1	3·5†	2·5	8·4	4·9	11
14	2·4†	1·2	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·1	3·0	7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·2	·2	·7†	1·1	1·5	5
16	·7	1·3†	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	...	·3	...	...	...	3·8	3·4	20
17	...	...	...	...	...	...	...	...	...	...	(...)	...	·4	·1	·1	(...)	...	·3	·1	...	3·4†	·3	...	...	4·7	3·5	56
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	·1	·5	·3	1·1	·4	·1	·2	3·0	6·5	2
22	...	...	(...)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·4	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	·1	2·2†	...	0·2	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	2·5	0·7	23
26	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	?
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	·2	(...)	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	·1
Sum	4·7	3·3	3·0	5·4	2·1	2·3	2·3	0·7	0·5	0·6	0·2	0·2	1·0	1·4	1·2	0·3	1·4	0·5	1·6	1·0	5·6	2·1	4·9	4·0	50·3	54·6	
Total Duration	hr 3·3	hr 3·3	hr 3·6	hr 4·5	hr 3·4	hr 3·2	hr 2·2	hr 2·0	hr 1·2	hr 1·4	hr 1·0	hr 0·6	hr 1·5	hr 2·1	hr 1·4	hr 0·8	hr 2·2	hr 1·5	hr 2·8	hr 1·7	hr 2·3	hr 2·9	hr 2·9	hr 2·8	hr 54·6		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

127 ABERDEEN: H_s (height of recorder above ground) = 20·7 metres — JANUARY, 1936

Hour L. A. T.	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	--	...	...	...	...	...	....	...	...	--	--	--	--	--	...	...
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
3	--	--	--	--	--	...	...	...	·5	·2	·8	·6	...	--	--	--	--	--	2·1	31
4	--	--	--	--	--	...	·8	1·0	·8	1·0	1·0	·6	...	--	--	--	--	--	5·2	76
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
6	--	--	--	--	--	...	...	...	....	...	...	...	...	--	--	--	--	--	...	...
7	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
8	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
9	--	--	--	--	--	...	...	·1	...	·1	...	...	...	--	--	--	--	--	0·2	3
10	--	--	--	--	--	...	·2	·6	...	·3	·4	·2	·1	--	--	--	--	--	1·8	26
11	--	--	--	--	--	...	·9	·9	·8	1·0	1·0	·8	...	--	--	--	--	--	5·4	77
12	--	--	--	--	--	...	·8	·6	·8	·9	...	...	·2	--	--	--	--	--	3·3	46
13	--	--	--	--	--	...	·9	·1	·1	1·0	1·0	·3	...	--	--	--	--	--	3·4	48
14	--	--	--	--	--	...	·3	·9	·1	...	...	...	...	--	--	--	--	--	1·3	18
15	--	--	--	--	--	...	...	·3	1·0	·7	·2	·4	...	--	--	--	--	--	2·6	36
16	--	--	--	--	--	...	...	...	...	...	...	·2	...	--	--	--	--	--	0·2	3
17	--	--	--	--	--	...	1·0	·8	·2	...	...	...	...	--	--	--	--	--	2·0	27
18	--	--	--	--	--	...	...	·1	·9	1·0	1·0	·3	·3	--	--	--	--	--	3·6	49
19	--	--	--	--	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	--	6·2	83
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
21	--	--	--	--	--	...	...	...	...	·2	...	...	...	--	--	--	--	--	0·2	3
22	--	--	--	--	--	·1	·9	·7	1·0	1·0	1·0	·8	...	--	--	--	--	--	5·5	72
23	--	--	--	--	--	·1	·6	·9	1·0	1·0	1·0	·9	·2	--	--	--	--	--	5·7	74
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
28	--	--	--	--	--	...	...	...	...	...	·2	·4	...	--	--	--	--	--	0·6	7
29	--	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
30	--	--	--	--	...	...	...	·1	·1	·7	1·0	·9	·2	...	--	--	--	--	3·0	37
31	--	--	--	--	...	...	·1	...	...	...	·1	·2	...	...	--	--	--	--	0·4	5
Sum	--	--	--	--	...	0·3	7·5	8·1	8·3	10·1	9·7	7·6	1·1	...	--	--	--	--	52·7	--
Mean	--	--	--	--	...	·01	·24	·26	·27	·33	·31	·25	·04	...	--	--	--	--	1·70	23

128 ABERDEEN: H_s = 20·7 metres — FEBRUARY, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	...	...	·1	1·0	1·0	1·0	·6	...	...	...	--	--	--	--	3·7	45
2	--	--	--	--	...	·8	1·0	·8	·5	·3	·2	·3	·4	...	--	--	--	--	4·3	51
3	--	--	--	--	...	...	·5	·6	1·0	1·0	1·0	...	...	...	--	--	--	--	4·1	48
4	--	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	7·3	86
5	--	--	--	--	...	·1	·7	·8	·9	1·0	1·0	·1	...	...	--	--	--	--	4·6	53
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
7	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
8	--	--	--	--	...	...	...	·4	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	5·1	58
9	--	--	--	--	...	...	...	...	...	·3	...	...	...	...	--	--	--	--	0·3	3
10	--	--	--	--	...	...	·5	·6	·9	1·0	1·0	·9	·3	...	--	--	--	--	5·2	58
11	--	--	--	--	...	...	·8	1·0	1·0	·9	·7	·2	...	...	--	--	--	--	4·6	51
12	--	--	--	--	...	...	...	...	...	...	·5	·6	·1	...	--	--	--	--	1·2	13
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
15	--	--	--	--	...	...	·1	·3	1·0	1·0	·9	·2	...	...	--	--	--	--	3·5	38
16	--	--	--	--	...	·5	·2	·1	·3	·6	·2	...	...	...	--	--	--	--	1·9	20
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
19	--	--	--	--	...	·4	1·0	1·0	1·0	1·0	1·0	...	...	...	--	--	--	--	5·4	56
20	--	--	--	--	...	...	...	·2	·4	·3	·8	·7	...	...	--	--	--	--	2·4	25
21	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
22	--	--	--	--	·3	·7	...	·4	·6	...	·1	...	...	...	--	--	--	--	2·1	21
23	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
25	--	--	--	...	...	...	...	·9	1·0	·3	·3	·4	...	...	...	--	--	--	2·9	29
26	--	--	--	...	...	...	...	...	...	...	·8	·4	·7	·2	...	--	--	--	2·1	21
27	--	--	--	...	...	·5	·1	·3	·1	·1	...	...	...	...	...	--	--	--	1·1	11
28	--	--	--	...	...	·6	·6	...	...	...	...	...	...	...	...	--	--	--	1·2	12
29	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
Sum	--	--	--	...	0·3	4·2	6·6	9·4	11·7	10·8	11·1	5·8	2·9	0·2	...	--	--	--	63·0	--
Mean	--	--	--	...	·01	·14	·23	·32	·40	·37	·38	·20	·10	·01	...	--	--	--	2·17	23
Hour L. A. T.	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per Cent of Possible

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

129 ABERDEEN: H_s (height of recorder above ground) = 20·7 metres — MARCH, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per Cent of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
2	--	--	--	...	...	·5	·8	1·0	1·0	·9	1·0	1·0	1·0	·7	...	--	--	--	7·9	75
3	--	--	--	...	...	...	...	·8	·3	...	...	...	...	...	...	--	--	--	1·1	10
4	--	--	--	...	...	·1	...	...	...	...	...	...	...	...	...	--	--	--	0·1	1
5	--	--	--	...	...	·2	·8	·8	1·0	·8	·2	·3	...	...	...	--	--	--	4·1	38
6	--	--	--	...	·4	1·0	1·0	1·0	1·0	·5	·8	·7	·2	...	...	--	--	--	6·6	60
7	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
8	--	--	--	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	--	0·1	1
9	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
10	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
11	--	--	--	...	...	·8	1·0	1·0	1·0	1·0	·6	·3	...	...	...	--	--	--	5·7	50
12	--	--	--	...	...	...	·1	·3	·1	·1	·5	·2	·1	...	...	--	--	--	1·4	12
13	--	--	--	...	...	·7	·2	...	·6	·8	·4	·5	1·0	·4	...	--	--	--	4·6	40
14	--	--	--	...	...	...	...	·3	·1	·1	...	...	...	...	...	--	--	--	0·5	4
15	--	--	--	...	...	·4	·1	·3	·9	·8	·9	·9	1·0	·4	...	--	--	--	5·7	49
16	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
17	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
18	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
19	--	--	--	...	...	...	...	...	·2	...	·5	·1	...	...	...	--	--	--	0·8	7
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
21	--	--	...	...	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	--	--	6·4	52
22	--	--	...	...	·1	·9	1·0	·8	1·0	1·0	·9	·1	...	...	...	...	--	--	5·8	47
23	--	--	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	--	--	0·1	1
24	--	--	...	...	...	...	1·0	·5	·9	·3	·7	·6	·5	...	...	...	--	--	4·5	36
25	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
26	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
27	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
28	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
29	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
30	--	--	...	...	...	...	·7	·9	·4	...	...	·4	·6	·6	·1	...	--	--	3·7	29
31	--	--	...	...	...	·2	·9	·5	·1	·3	·4	·1	·1	·1	·2	...	--	--	2·9	22
Sum	--	--	...	...	0·5	4·8	7·7	9·2	9·4	7·8	7·5	6·6	5·6	2·6	0·3	...	--	--	62·0	--
Mean	--	--	...	...	·02	·15	·25	·30	·30	·25	·24	·21	·18	·08	·01	...	--	--	2·00	17

130 ABERDEEN: H_s = 20·7 metres — APRIL, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	·9	...	·7	1·0	·5	...	...	--	--	8·8	67
2	--	--	...	...	...	·7	·7	·3	...	...	...	...	...	...	...	...	--	--	1·7	13
3	--	--	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	--	--	0·2	2
4	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	...	--	--	10·5	79
5	--	--	...	...	...	...	...	·1	...	·1	...	...	...	·6	·6	...	--	--	1·4	10
6	--	--	...	·2	...	...	...	...	...	...	...	...	·1	·4	...	...	--	--	0·7	1
7	--	--	...	...	...	·4	·8	1·0	·5	·5	...	...	...	...	...	...	--	--	3·2	24
8	--	--	...	·1	·3	·5	·1	...	·6	...	...	·2	...	·5	·3	...	--	--	2·6	19
9	--	--	...	·8	·9	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	11·1	81
10	--	--	...	...	...	·3	...	·1	·1	...	·2	1·0	1·0	1·0	·6	...	--	--	4·3	31
11	--	--	...	·2	·1	·5	·7	·4	·7	·7	·8	·8	·8	·3	·2	...	--	--	6·2	45
12	--	--	·4	·5	·5	1·0	·7	1·0	·4	1·0	1·0	1·0	1·0	·8	·2	·1	--	--	9·6	69
13	--	--	...	...	...	·1	·3	...	·9	·6	·8	·3	...	...	...	...	--	--	3·0	21
14	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
15	--	...	...	...	...	...	·1	...	...	...	...	·1	·6	·8	·1	...	...	--	1·7	12
16	--	...	...	...	·9	·9	1·0	·7	·7	·5	·5	·4	·7	·9	·8	·4	...	--	8·4	59
17	--	...	...	·5	·8	·7	·4	·3	·8	1·0	1·0	·9	·9	·6	·7	·4	...	--	9·0	63
18	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	·6	·6	·4	...	--	12·2	84
19	--	...	·3	·7	·8	1·0	·6	·1	·9	·7	1·0	·9	1·0	·6	·5	·3	...	--	9·4	65
20	--	...	·4	1·0	·9	·6	1·0	·8	·3	·9	·9	1·0	·9	1·0	1·0	·6	...	--	11·3	77
21	--	...	·9	1·0	1·0	1·0	·7	·6	·5	·5	...	...	...	...	...	...	...	--	6·2	42
22	--	...	·5	...	...	·5	...	·2	1·0	·9	1·0	1·0	·6	·4	·8	·6	...	--	7·5	51
23	--	...	·9	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·2	...	...	--	11·5	78
24	--	...	...	...	...	...	...	...	·1	·2	·1	...	...	...	...	...	...	--	0·4	3
25	--	...	·6	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·8	·6	...	--	12·3	82
26	--	...	·5	1·0	·2	...	...	...	·4	1·0	·2	·7	·6	·3	...	·1	...	--	5·0	33
27	--	...	1·0	1·0	1·0	·8	·9	·8	·5	·7	·7	·9	1·0	1·0	·3	...	...	--	10·6	70
28	--	...	...	...	...	·2	...	·1	...	...	...	...	...	·2	·1	·2	...	--	0·8	5
29	--	...	·8	·3	·4	·7	·1	·1	...	...	...	...	...	...	·2	·4	...	--	3·0	20
30	--	...	1·0	1·0	1·0	1·0	·8	·1	...	·1	·2	·1	...	...	·1	...	...	--	5·4	35
Sum	--	...	8·1	12·5	13·8	16·6	14·9	12·5	14·4	15·3	13·3	15·2	15·1	13·4	8·8	4·1	...	--	178·0	--
Mean	--	...	·27	·42	·46	·55	·50	·42	·48	·51	·44	·51	·50	·45	·29	·14	...	--	5·93	42
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per Cent of Possible

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

131 **ABERDEEN:** H_s (height of recorder above ground) = 20·7 metres — **MAY, 1936**

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per Cent of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	...	...	...	...	·5	·9	1·0	1·0	1·0	1·0	·7	·1	...	...	...	...	--	6·2	40
2	--	...	·1	·2	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	·2	...	--	10·7	69
3	--	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	...	...	...	...	--	6·9	44
4	--	...	...	...	...	...	...	...	...	·3	·7	...	...	·1	·5	·5	...	--	2·1	13
5	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
6	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
7	--	...	...	...	...	...	·1	·2	1·0	1·0	1·0	1·0	1·0	·2	...	...	...	--	5·5	35
8	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	--	14·3	89
9	--	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	--	11·5	72
10	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	14·5	90
11	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	14·6	90
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	·1	...	...	...	...	...	...	·7	1·0	...	...	...	...	...	...	1·8	11
14	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·9	1·0	1·0	1·0	1·0	·1	...	...	13·0	79
15	...	...	·1	·9	1·0	1·0	1·0	1·0	·4	...	...	...	...	...	...	...	...	...	5·4	33
16	...	...	·3	·4	·4	·1	·2	·7	·2	1·0	1·0	·7	...	...	...	...	...	...	5·0	30
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	·1	·5	1·0	1·0	·7	·2	...	...	...	...	...	3·5	21
19	...	...	...	...	...	·2	·4	·2	·3	·8	1·0	·5	...	...	...	·1	...	...	3·5	21
20	...	·3	·6	·2	·6	·3	·2	·5	·2	·1	·3	·2	·4	·9	·9	·6	...	...	6·3	37
21	...	·4	1·0	1·0	·5	·3	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	12·1	72
22	...	...	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	3
23	...	...	...	...	·2	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	10·9	65
24	...	...	...	·7	·8	·7	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	·3	...	11·6	68
25	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	0·2	1
26	...	...	...	...	·3	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	...	...	...	9·1	53
27	...	...	...	·1	·3	·2	·2	...	·4	·4	·6	·7	·8	·7	·1	·2	·1	...	4·8	28
28	...	·1	·9	1·0	·6	...	·5	...	...	...	...	...	...	...	...	...	...	...	3·1	18
29	...	·1	...	·2	·2	·4	...	·1	·7	·9	·7	·9	·6	·9	·4	...	...	...	6·1	35
30	...	...	·5	·8	·5	·1	·6	·7	·7	·2	·3	·6	·8	·5	·2	·6	·5	...	7·6	44
31	...	·2	·6	·2	1·0	·6	·7	·8	·9	·5	·3	·8	·6	1·0	·4	·8	·5	...	9·9	57
Sum	...	2·2	8·0	10·6	12·0	12·7	15·2	16·2	17·3	17·7	19·0	17·8	14·3	14·5	11·4	8·7	3·1	...	200·7	--
Mean	...	·07	·26	·34	·39	·41	·49	·52	·56	·57	·61	·57	·46	·47	·37	·28	·10	...	6·47	39

132 **ABERDEEN:** H_s = 20·7 metres — **JUNE, 1936**

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	...	...	·1	·2	·9	1·0	·6	·8	...	...	...	...	...	·1	...	...	...	...	3·7	21
2	...	...	...	·3	·1	·7	1·0	1·0	·3	...	·2	1·0	·9	·4	·1	1·0	1·0	...	8·0	46
3	...	·8	1·0	·6	·7	·9	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·4	...	13·3	76
4	...	·3	·6	·5	·2	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	12·0	69
5	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·1	·4	·5	...	...	...	11·4	65
6	...	...	...	...	·6	·9	·7	·5	·1	...	...	·2	1·0	·8	·8	·6	·4	...	6·6	37
7	...	...	·2	·2	·3	·7	·2	·2	·4	...	...	...	...	...	·1	...	...	...	2·3	13
8	...	...	...	·1	...	·1	...	·5	·9	1·0	·7	...	...	...	...	1·0	...	...	4·3	24
9	...	·7	·5	·6	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	...	...	·1	...	...	...	9·0	51
10	...	·3	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	1·0	·3	·9	·6	·6	·8	·6	...	12·8	72
11	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	·5	...	...	13·3	75
12	...	...	...	...	...	...	...	...	...	...	...	...	·7	·9	1·0	1·0	·7	...	4·3	24
13	...	...	...	·4	·6	·8	·1	...	...	...	·2	1·0	1·0	1·0	1·0	·9	·9	...	7·9	44
14	...	...	·3	1·0	·7	·2	·2	...	...	...	...	...	...	...	...	...	...	...	2·4	13
15	...	·3	·4	1·0	·5	·4	1·0	1·0	·1	...	...	...	·4	1·0	·3	·8	·1	...	7·3	41
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	·3	·7	·1	·8	·4	1·0	·8	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	...	10·4	58
18	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	15·3	86
19	...	·2	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·5	·2	·9	...	13·6	76
20	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	15·2	85
21	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	15·7	88
22	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	14·2	80
23	...	...	...	...	...	...	·4	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	10·1	57
24	...	·4	·7	...	...	·2	1·0	1·0	·5	·8	1·0	1·0	1·0	1·0	·1	·3	·3	...	9·3	52
25	...	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	10·1	57
26	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	14·8	83
27	...	...	·6	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	·5	1·0	·9	·6	...	...	12·4	70
28	...	...	...	...	...	·4	1·0	1·0	1·0	1·0	·9	1·0	·9	·5	·4	...	...	...	8·1	45
29	...	...	·1	...	...	...	...	·9	1·0	1·0	1·0	·8	...	...	...	...	...	...	4·8	27
30	...	...	...	...	...	...	...	...	...	...	...	...	·5	·6	...	...	...	...	1·1	6
Sum	...	6·7	14·0	14·9	16·4	17·7	18·9	22·3	19·2	18·6	19·2	19·2	19·9	20·22	16·6	17·5	12·3	0·1	273·7	--
Mean	...	·22	·47	·50	·55	·59	·63	·74	·64	·62	·64	·64	·66	·67	·55	·58	·41	·00	9·12	52
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per Cent of Possible

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

133 **ABERDEEN:** H_s (height of recorder above ground) = 20·7 metres — **JULY, 1936**

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9 10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	·3	·8	·1	...	·2	·7	·1	...	...	...	·1	...	...	2·3	13
3	...	...	...	...	...	·1	·4	1·0	1·0	1·0	·9	·6	·5	·5	·1	1·0	·5	...	7·6	43
4	...	...	·4	1·0	1·0	·7	·3	·9	·9	·3	·1	·8	1·0	1·0	1·0	·1	·3	...	9·8	56
5	...	...	·5	·3	·9	...	·2	·8	·7	·4	·8	·3	·7	·9	·6	·7	1·0	...	8·8	50
6	...	...	...	·6	·7	·9	1·0	1·0	1·0	·7	·1	·6	...	·3	·1	·1	...	...	7·1	40
7	...	...	...	...	...	...	...	·4	1·0	·8	1·0	1·0	1·0	1·0	·3	...	...	...	6·5	37
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	·8	·5	1·0	1·0	·6	·4	·7	·2	·6	...	·9	·9	·6	...	...	...	...	8·2	47
10	...	...	·8	1·0	1·0	1·0	1·0	·9	·7	1·0	·5	1·0	1·0	1·0	·9	1·0	·9	...	13·7	79
11	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	·2	...	...	...	0·4	2
12	...	...	...	...	·1	·2	...	...	·1	·2	·5	·8	·3	...	...	·1	...	...	2·3	13
13	...	...	...	...	...	...	...	...	...	·1	·1	·4	·9	·6	·4	·1	...	...	2·6	15
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	·6	·8	·1	...	·2	1·0	1·0	·8	·4	·3	·9	...	·2	...	...	...	...	6·3	37
16	...	...	·1	·4	...	...	...	...	·2	·1	·1	...	...	...	...	...	...	...	0·9	5
17	...	...	...	·1	·1	·4	·1	...	...	·1	·8	·3	...	...	...	...	...	...	1·9	11
18	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·3	2
19	...	...	...	...	...	...	...	·3	·5	...	...	...	...	...	...	...	...	...	0·8	5
20	...	...	·1	...	·4	·6	...	...	...	...	·3	...	...	...	...	·1	...	...	1·5	9
21	...	...	·2	·8	1·0	·8	·8	·2	·4	·7	·7	1·0	·5	·9	·4	·9	·4	...	9·7	57
22	...	·3	·7	·8	1·0	...	·4	...	·7	...	...	·2	...	...	...	...	...	...	4·1	24
23	...	·7	1·0	·8	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	3·2	19
24	...	...	...	...	...	...	·2	...	...	...	·4	·6	...	·2	...	·2	...	...	1·6	10
25	...	...	...	...	...	...	...	·1	...	...	·1	...	·1	·3	...	...	...	...	0·6	4
26	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·2	1
27	...	·6	·9	·5	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	14·1	85
28	...	...	...	·7	·9	·6	·4	1·0	·9	1·0	·1	·1	·6	·3	·7	·4	·1	...	7·8	47
29	...	...	·5	·7	·9	·8	·6	·8	·9	·8	·4	·3	·1	·2	...	...	...	...	7·0	43
30	...	·1	·1	·5	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·8	5
31	...	...	...	...	·2	·1	·7	1·0	1·0	1·0	1·0	·9	1·0	1·0	·1	...	...	...	8·0	49
Sum	...	3·1	6·6	9·4	10·8	8·4	9·1	11·2	12·6	10·4	9·9	11·8	9·6	10·0	5·8	5·8	3·6	...	138·1	--
Mean	...	·10	·21	·30	·35	·27	·29	·36	·41	·34	·32	·38	·31	·32	·19	·19	·12	...	4·45	26

134 **ABERDEEN:** H_s = 20·7 metres — **AUGUST, 1936**

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	...	...	·2	·8	...	...	...	...	·2	·1	...	...	·3	·2	·3	...	...	...	2·1	13
2	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	1
3	--	...	·1	...	·2	·4	...	...	·1	·1	·5	...	...	...	...	...	...	--	1·4	9
4	--	...	...	...	...	·6	·4	·1	·6	·2	·3	·1	·5	·6	·1	...	...	--	3·5	22
5	--	...	·5	·4	1·0	·8	·1	·1	·2	...	...	...	·1	...	...	·3	·1	--	3·6	23
6	--	...	...	...	...	...	...	...	...	·2	·1	·3	·7	·9	·9	...	...	--	3·1	19
7	--	...	...	·2	·5	...	·3	1·0	1·0	·9	1·0	1·0	1·0	·8	1·0	...	...	--	8·7	55
8	--	...	·4	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	·2	1·0	·9	·5	...	...	--	10·4	66
9	--	...	...	...	...	...	...	...	...	...	...	...	...	·8	·7	...	...	--	1·5	10
10	--	...	...	...	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	·9	·6	...	--	5·7	37
11	--	...	...	·9	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	11·5	74
12	--	...	...	...	...	...	...	...	...	...	...	·1	·1	·5	·6	...	...	--	1·3	8
13	--	...	...	...	...	...	...	...	...	...	·5	·6	...	...	...	...	...	--	1·1	7
14	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
15	--	...	...	...	·2	1·0	·4	·6	1·0	1·0	1·0	1·0	·2	...	·3	...	...	--	6·7	44
16	--	...	·2	·5	1·0	1·0	1·0	1·0	·7	·8	·4	·6	·7	1·0	1·0	·3	...	--	10·2	67
17	--	...	...	...	...	·2	·2	...	...	...	...	...	·8	·8	...	...	...	--	2·0	13
18	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	1·0	1·0	·7	·1	...	--	12·0	80
19	--	...	...	...	·1	1·0	·7	1·0	·7	1·0	1·0	·8	·7	·9	·2	·1	...	--	8·2	55
20	--	...	...	...	·1	·6	·4	...	·2	·7	·7	·6	·8	·4	·3	...	...	--	4·8	32
21	--	...	...	...	1·0	1·0	1·0	1·0	1·0	·8	·1	·1	·3	·3	·2	...	...	--	6·8	46
22	--	...	...	...	·5	1·0	1·0	·5	·1	·2	...	·1	·3	·3	·2	...	...	--	4·2	29
23	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	--	0·1	1
24	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	·1	1·0	...	...	--	10·2	70
25	--	...	...	·3	·5	·2	...	...	...	·8	·2	1·0	·8	·4	...	...	...	--	4·2	29
26	--	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	...	--	12·7	88
27	--	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	...	--	12·2	85
28	--	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	·4	...	...	--	10·6	75
29	--	...	...	·4	·9	·7	1·0	1·0	·6	·9	1·0	1·0	·8	·2	...	...	...	--	8·5	60
30	--	--	...	...	·1	·2	·2	...	·1	...	...	...	...	...	...	...	--	--	0·6	4
31	--	--	...	·8	1·0	1·0	·2	·3	·3	1·0	·8	1·0	1·0	·7	·8	·4	--	--	9·3	66
Sum	...	...	2·4	9·5	14·0	16·7	13·9	13·5	13·8	15·9	15·6	15·1	16·2	15·4	12·6	2·6	0·1	...	177·3	--
Mean	...	...	·08	·31	·45	·54	·45	·44	·45	·51	·50	·49	·52	·50	·41	·08	·00	...	5·72	38
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

135 ABERDEEN: H_s (height of recorder above ground) = 20·7 metres — SEPTEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	...	·1	·1	·5	·4	·4	·1	·2	...	...	...	...	...	...	--	--	1·8	13
2	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
3	--	--	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	--	--	0·4	3
4	--	--	...	...	...	·4	·4	·5	1·0	1·0	·5	1·0	1·0	·3	...	...	--	--	6·1	45
5	--	--	...	...	·8	1·0	1·0	1·0	·9	·6	·1	·4	·9	·4	...	...	--	--	7·1	52
6	--	--	...	·4	·2	...	...	·2	·2	...	·2	·2	·1	...	·2	...	--	--	1·7	13
7	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
8	--	--	...	...	·7	·9	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	10·1	76
9	--	--	...	·8	1·0	·9	1·0	1·0	1·0	·7	·1	·5	·2	...	...	...	--	--	7·2	54
10	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
11	--	--	...	...	...	...	...	·5	...	...	...	...	...	...	...	...	--	--	0·5	4
12	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
13	--	--	...	·7	1·0	1·0	1·0	1·0	·9	...	·5	·9	1·0	1·0	·7	...	--	--	9·7	75
14	--	--	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	--	--	0·5	4
15	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
16	--	--	...	...	·1	·9	·9	·6	1·0	1·0	1·0	1·0	1·0	·9	...	...	--	--	8·4	66
17	--	--	...	...	...	·2	·3	·7	1·0	1·0	1·0	·7	·1	...	...	...	--	--	5·0	40
18	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
19	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
20	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
21	--	--	...	...	...	·1	·8	·2	...	·1	·6	...	...	...	...	...	--	--	1·8	15
22	--	--	...	...	...	...	·3	·8	1·0	·7	·8	·4	·8	·4	·1	...	--	--	5·3	43
23	--	--	...	...	·1	·8	...	·2	·7	1·0	1·0	1·0	·9	·9	...	...	--	--	6·6	55
24	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
25	--	--	--	...	...	...	...	...	·8	·7	·6	·8	·5	·3	·2	--	--	--	3·9	33
26	--	--	--	...	·3	·5	1·0	·9	·5	·1	...	...	...	...	...	--	--	--	3·3	28
27	--	--	--	·1	·9	·1	·4	·8	·7	·6	·6	·5	·7	·3	·1	--	--	--	5·8	49
28	--	--	--	...	1·0	1·0	1·0	·8	·5	·1	·2	1·0	1·0	·9	...	--	--	--	7·5	64
29	--	--	--	...	·5	...	...	...	·3	·1	·1	·1	...	...	...	--	--	--	1·1	9
30	--	--	--	...	...	·5	·4	·1	...	...	...	...	...	...	...	--	--	--	1·0	9
Sum	--	--	...	2·1	6·7	8·8	9·9	10·4	11·6	8·9	8·7	10·0	9·2	6·4	2·1	...	--	--	94·8	--
Mean	--	--	...	·07	·22	·29	·33	·35	·39	·30	·29	·33	·31	·21	·07	...	--	--	3·16	25

136 ABERDEEN: H_s = 20·7 metres — OCTOBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
2	--	--	--	...	...	...	...	·2	...	1·0	·1	·8	1·0	1·0	...	--	--	--	4·1	36
3	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	9·4	83
4	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
5	--	--	--	...	...	...	...	...	·2	...	·9	1·0	1·0	·9	...	--	--	--	4·0	36
6	--	--	--	...	1·0	·8	·1	·9	1·0	·9	1·0	1·0	1·0	1·0	...	--	--	--	8·7	78
7	--	--	--	...	...	1·0	1·0	1·0	·8	·8	·5	·8	·8	·9	·1	--	--	--	7·7	70
8	--	--	--	...	...	...	...	·2	·1	·1	...	...	...	...	...	--	--	--	0·4	4
9	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
10	--	--	--	...	·2	...	·4	·9	·3	...	·5	...	·1	·1	...	--	--	--	2·5	23
11	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
12	--	--	--	...	·5	1·0	1·0	1·0	·6	·5	·6	·1	...	...	...	--	--	--	5·3	50
13	--	--	--	...	...	·4	·3	...	...	...	·9	·9	·4	...	...	--	--	--	2·9	28
14	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
15	--	--	--	...	...	·3	1·0	1·0	1·0	1·0	1·0	·9	1·0	·1	...	--	--	--	7·3	71
16	--	--	--	...	·2	1·0	1·0	·8	·9	1·0	1·0	1·0	·7	...	...	--	--	--	7·6	74
17	--	--	--	...	...	·1	...	...	·6	1·0	1·0	·6	·8	·4	...	--	--	--	4·5	44
18	--	--	--	--	·3	·8	·9	1·0	1·0	·8	·5	·8	...	...	...	--	--	--	6·1	60
19	--	--	--	--	...	·5	·2	...	...	·1	·1	·6	·9	·4	--	--	--	--	2·8	28
20	--	--	--	--	...	·2	·5	·9	·1	...	...	...	...	...	--	--	--	--	1·7	17
21	--	--	--	--	...	...	...	...	...	...	·3	·4	·1	...	--	--	--	--	0·8	8
22	--	--	--	--	...	·9	·8	·9	1·0	·9	1·0	1·0	1·0	·4	--	--	--	--	7·9	81
23	--	--	--	--	...	...	...	...	...	...	...	·7	·4	·4	--	--	--	--	1·5	15
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
25	--	--	--	--	·2	·8	·7	1·0	1·0	·4	1·0	·3	·7	·3	--	--	--	--	6·4	67
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
27	--	--	--	--	...	...	...	·7	·9	1·0	1·0	1·0	1·0	·3	--	--	--	--	5·9	63
28	--	--	--	--	·1	·8	1·0	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	--	6·5	70
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
31	--	--	--	--	...	·9	1·0	1·0	1·0	·8	·9	1·0	·9	...	--	--	--	--	7·5	82
Sum	--	--	--	...	3·1	10·5	10·9	13·5	12·5	12·3	14·3	14·5	12·8	7·0	0·1	--	--	--	111·5	--
Mean	--	--	--	...	·10	·34	·35	·44	·40	·40	·46	·47	·41	·23	·00	--	--	--	3·60	35
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

137 ABERDEEN: H_s (height of recorder above ground) = 20·7 metres — NOVEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	...	·1	...	...	...	...	...	...	...	...	--	--	--	--	0·1	1
2	--	--	--	--	...	·6	·1	...	·5	·3	...	...	...	...	--	--	--	--	1·5	17
3	--	--	--	--	...	·8	·9	·9	1·0	·1	1·0	·6	·2	...	--	--	--	--	5·5	62
4	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
5	--	--	--	--	...	...	·2	1·0	1·0	·6	·1	·3	...	...	--	--	--	--	3·2	37
6	--	--	--	--	...	...	...	...	...	...	·4	...	...	...	--	--	--	--	0·4	5
7	--	--	--	--	...	·1	·5	·4	·6	·2	...	...	...	...	--	--	--	--	1·8	21
8	--	--	--	--	...	...	...	·1	...	·9	·6	·2	...	...	--	--	--	--	1·8	21
9	--	--	--	--	...	...	·3	1·0	·7	·5	...	·3	...	...	--	--	--	--	2·8	33
10	--	--	--	--	...	·1	·9	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	--	5·6	67
11	--	--	--	--	...	·3	1·0	1·0	·7	·1	·7	·8	...	...	--	--	--	--	4·6	55
12	--	--	--	--	...	...	...	...	...	...	·4	...	...	...	--	--	--	--	0·4	5
13	--	--	--	--	...	...	·7	1·0	1·0	·5	...	...	...	...	--	--	--	--	3·2	40
14	--	--	--	--	--	...	...	...	...	·2	...	...	...	--	--	--	--	--	0·2	2
15	--	--	--	--	--	...	...	...	·1	·8	·6	·2	·5	--	--	--	--	--	2·2	27
16	--	--	--	--	--	·1	·3	·3	...	·2	·1	...	...	--	--	--	--	--	1·0	13
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	·1	·6	·6	·8	·7	·7	...	...	--	--	--	--	--	3·5	45
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	...	·1	...	...	·1	...	...	--	--	--	--	--	0·2	3
21	--	--	--	--	--	...	...	·5	·5	·5	·7	·5	·2	--	--	--	--	--	2·9	38
22	--	--	--	--	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	--	6·3	83
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
24	--	--	--	--	--	...	...	·3	·3	...	...	...	...	--	--	--	--	--	0·6	8
25	--	--	--	--	--	...	...	·5	·9	1·0	·6	·2	...	--	--	--	--	--	3·2	43
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
27	--	--	--	--	--	...	·1	1·0	1·0	·2	...	...	...	--	--	--	--	--	2·3	31
28	--	--	--	--	--	·1	1·0	1·0	·9	·4	·5	·3	...	--	--	--	--	--	4·2	58
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
30	--	--	--	--	--	...	·6	1·0	1·0	·9	·7	·5	...	--	--	--	--	--	4·7	66
Sum	--	--	--	--	...	2·6	8·2	12·7	13·0	10·1	9·2	5·5	0·9	....	--	--	--	--	62·2	--
Mean	--	--	--	--	...	·09	·27	·42	·43	·34	·31	·18	·03	...	--	--	--	--	2·07	26

138 ABERDEEN: H_s = 20·7 metres — DECEMBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	--	...	·5	·8	·5	·5	·5	...	...	--	--	--	--	--	2·8	39
2	--	--	--	--	--	...	...	...	...	·1	...	...	...	--	--	--	--	--	0·1	1
3	--	--	--	--	--	...	...	...	...	...	·8	·4	...	--	--	--	--	--	1·2	17
4	--	--	--	--	--	...	·2	·5	1·0	·7	1·0	·9	...	--	--	--	--	--	4·3	62
5	--	--	--	--	--	...	...	...	·8	·5	·8	·8	...	--	--	--	--	--	2·9	42
6	--	--	--	--	--	...	·4	1·0	1·0	·3	·3	·1	...	--	--	--	--	--	3·1	45
7	--	--	--	--	--	...	...	...	·2	·2	·6	...	...	--	--	--	--	--	1·0	15
8	--	--	--	--	--	...	·3	1·0	1·0	1·0	·8	·1	...	--	--	--	--	--	4·2	62
9	--	--	--	--	--	...	·1	1·0	·1	...	...	...	...	--	--	--	--	--	1·2	18
10	--	--	--	--	--	...	...	·6	1·0	·8	·5	·2	...	--	--	--	--	--	3·1	46
11	--	--	--	--	--	...	...	·6	·2	...	...	...	...	--	--	--	--	--	0·8	12
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
13	--	--	--	--	--	...	·5	·9	·2	1·0	·5	...	...	--	--	--	--	--	3·1	46
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
15	--	--	--	--	--	...	...	·8	·7	·4	1·0	·1	...	--	--	--	--	--	3·0	45
16	--	--	--	--	--	...	·2	·8	1·0	·9	·5	·2	...	--	--	--	--	--	3·6	55
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	...	...	...	·4	1·0	·8	·4	...	--	--	--	--	--	2·6	39
19	--	--	--	--	--	...	·6	1·0	·8	...	...	...	...	--	--	--	--	--	2·4	36
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
22	--	--	--	--	--	...	...	·2	·2	·1	1·0	·8	...	--	--	--	--	--	2·3	35
23	--	--	--	--	--	...	·2	·3	·9	·4	·3	...	...	--	--	--	--	--	2·1	32
24	--	--	--	--	--	...	...	·4	·3	·2	·1	...	...	--	--	--	--	--	1·0	15
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
26	--	--	--	--	--	...	...	·1	·5	1·0	1·0	·4	...	--	--	--	--	--	3·0	45
27	--	--	--	--	--	...	·1	·3	...	...	...	...	...	--	--	--	--	--	0·4	6
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
29	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
31	--	--	--	--	--	...	·2	1·0	1·0	·5	...	...	...	--	--	--	--	--	2·7	40
Sum	--	--	--	--	--	...	3·3	11·3	11·8	9·6	10·6	4·4	...	--	--	--	--	--	51·0	--
Mean	--	--	--	--	--	...	·11	·36	·38	·31	·34	·14	...	--	--	--	--	--	1·65	25
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

139 ABERDEEN: Dines Pressure Tube Anemometer H_a (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	220	1·4	240	1·9	210	1·7	220	2·0	210	1·0	190	0·9	200	2·4	230	1·9	210	0·4	190	1·2	180	0·9	210	0·9
2	100	0·2	50	0·4	70	1·5	60	1·0	100	0·8	120	1·4	140	3·1	130	2·2	110	0·6	100	0·5	320	0·9	320	1·0
3	360	2·6	350	2·5	340	2·4	350	2·9	340	2·7	340	2·9	320	2·8	320	3·1	320	3·5	320	3·4	320	3·1	320	3·2
4	280	3·1	290	3·7	300	4·0	280	3·3	290	4·1	300	5·5	300	4·2	280	4·0	290	4·1	290	5·3	290	5·4	290	5·5
5	280	0·6	290	0·4	310	0·8	310	0·4	...	...	...	...	320	0·3	120	4·6	120	5·5	130	6·7	120	7·5	120	7·8
6	130	9·4	130	9·3	130	9·3	130	9·3	130	8·9	130	8·8	140	6·8	130	6·3	130	7·2	130	7·2	130	7·4	130	7·1
7	90	5·4	90	4·6	80	4·3	80	3·7	80	3·5	90	3·8	90	4·3	100	3·5	120	3·4	120	4·1	120	3·5	130	3·3
8	130	1·5	130	0·5	120	0·3	110	0·4	70	0·3	110	1·0	120	2·9	110	3·2	110	3·0	110	2·7	120	2·3	120	2·2
9	230	1·4	220	1·9	220	2·3	190	3·0	180	2·6	150	1·3	140	1·4	170	3·0	200	2·8	180	3·4	170	3·4	180	4·8
10	220	2·7	210	3·4	230	5·4	280	7·6	270	9·6	280	9·9	280	12·3	260	7·0	250	5·5	240	5·5	220	3·5	230	3·5
11	280	1·9	270	3·0	240	3·1	250	4·3	240	3·3	280	4·8	280	5·3	270	5·2	280	5·8	280	5·0	280	6·0	280	8·0
12	260	4·0	260	3·5	250	4·2	260	5·1	270	4·6	280	4·4	270	4·5	270	4·6	270	4·6	260	4·5	260	4·2	220	2·2
13	260	5·9	310	4·5	300	3·1	260	2·0	260	1·9	270	2·2	290	1·9	290	3·2	280	4·9	280	4·4	270	3·3	270	4·7
14	(300)	6·6	(290)	6·5	(300)	5·8	(290)	4·9	(300)	4·4	(300)	5·9	(310)	5·6	310	6·7	320	7·2	310	6·3	310	7·1	310	5·6
15	280	3·1	280	3·0	260	2·7	260	2·1	310	2·4	260	2·7	260	3·4	250	4·1	240	4·2	250	4·4	250	2·6	240	3·9
16	230	1·9	240	1·0	210	0·8	230	1·3	220	1·4	240	0·7	240	0·2	290	0·5	280	0·1	280	0·1	300	1·1	280	1·4
17	310	3·1	310	5·1	310	3·9	310	4·0	310	4·0	290	2·9	290	4·0	300	3·5	290	3·2	300	3·1	290	2·5	300	2·2
18	330	(4·3)	310	(3·9)	300	(3·6)	300	(4·3)	290	(3·9)	280	(3·6)	300	(5·9)	290	(4·6)	300	(6·9)	300	7·3	310	6·2	310	5·0
19	290	4·2	280	4·5	280	4·1	280	5·4	290	4·1	290	2·3	290	4·6	300	4·4	290	3·0	280	3·7	280	3·0	280	2·7
20	310	2·7	310	2·5	310	3·3	320	3·4	320	3·1	330	2·6	320	2·7	60	5·5	70	6·8	80	7·2	70	7·4	70	7·8
21	310	1·4	320	1·3	310	2·7	300	3·8	300	3·1	300	3·0	360	3·5	350	6·0	350	8·2	350	8·3	350	7·7	350	6·4
22	290	5·0	280	6·1	280	4·5	280	5·0	280	4·4	240	3·6	250	3·9	250	2·8	250	1·6	240	1·8	230	1·9	210	2·4
23	240	4·5	270	7·0	280	9·2	290	8·3	290	8·3	290	9·0	300	10·1	310	8·3	300	6·3	280	6·6	280	4·2	290	4·6
24	280	4·4	280	2·8	310	2·7	310	1·6	250	0·5	300	0·6	320	1·2	320	0·9	330	0·5	330	0·3	340	0·3	240	0·4
25	330	1·1	330	1·6	310	0·9	(320)	(1·0)	330	1·7	330	1·6	340	1·4	150	1·8	170	3·8	160	4·6	150	5·0	140	5·1
26	140	5·8	150	5·2	140	4·8	140	4·6	150	4·9	150	4·5	150	4·0	150	3·5	160	2·7	170	1·7	200	1·1	200	1·6
27	240	0·9	190	0·5	210	2·5	190	2·5	210	2·1	190	2·7	180	4·7	180	6·5	180	6·7	180	6·1	180	6·9	180	8·4
28	200	3·0	220	4·0	200	3·6	200	4·2	200	2·7	220	0·5	210	2·1	200	1·8	200	1·2	200	2·3	200	2·5	210	2·4
29	230	0·8	330	0·5	320	0·4	240	0·9	320	0·7	320	0·8	330	1·2	330	1·5	...	...	330	0·8	320	1·7	320	1·6
30	330	4·0	330	4·4	330	4·3	330	4·8	320	4·5	320	4·5	330	4·9	330	3·5	310	2·6	300	2·6	300	1·4	190	0·7
31	240	1·4	140	0·4	220	0·5	240	0·5	220	0·3	300	0·2	---	0·0	220	0·7	230	0·7	310	0·4	320	0·7	330	0·9
Mean	---	3·2	---	3·2	---	3·3	---	3·5	---	3·2	---	3·2	---	3·7	---	3·8	---	3·8	---	3·9	---	3·7	---	3·8

140 ABERDEEN: H_a = 24 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	---	0·0	230	0·1	240	0·2	150	0·2	320	0·5	260	0·5	260	0·9	300	0·4	320	1·1	320	1·0	340	0·6	340	1·1
2	330	2·4	330	2·4	330	2·5	330	3·3	330	2·9	310	2·4	320	3·3	320	3·9	320	4·7	320	5·1	320	5·9	320	7·4
3	310	4·4	320	5·2	320	5·4	320	6·6	310	6·6	320	5·9	330	5·4	340	6·7	340	8·8	350	8·0	350	8·1	350	6·4
4	320	4·7	310	4·5	310	4·5	320	4·3	310	4·2	300	3·9	310	4·0	320	3·8	310	3·4	310	3·8	300	4·3	310	4·0
5	310	(3·3)	310	(3·6)	300	(2·6)	310	(3·0)	300	(3·0)	300	(3·0)	300	(3·3)	300	(3·3)	310	(2·3)	310	(3·0)	310	(3·0)	310	(2·6)
6	180	6·1	180	6·8	180	6·6	180	6·6	190	6·7	190	6·9	190	6·4	200	6·0	190	8·1	190	7·4	200	6·8	190	7·0
7	190	9·8	190	8·7	200	9·1	190	8·8	200	9·6	200	7·7	200	6·4	200	8·1	200	7·8	200	7·9	200	7·7	200	6·8
8	210	2·8	220	2·4	230	2·7	210	2·7	200	0·9	200	1·5	210	1·9	210	1·8	210	2·7	210	2·7	220	2·5	200	3·5
9	220	0·5	...	...	...	...	...	...	300	1·0	...	...	330	1·4	330	1·3	320	1·3	330	2·0	330	2·3	300	2·5
10	160	7·1	160	6·6	150	6·9	150	6·3	150	6·4	150	6·9	160	5·9	160	6·2	160	6·4	160	6·5	160	6·4	160	7·3
11	180	4·7	180	4·9	190	4·7	190	4·6	200	3·0	210	2·5	210	3·0	200	1·3	210	1·0	230	1·9	220	2·6	200	3·1
12	260	0·3	...	...	330	0·3	300	0·2	260	0·3	290	0·5	320	0·5	250	0·5	240	1·6	250	1·9	290	1·4	270	1·9
13	330	1·1	330	1·1	330	1·4	320	1·2	300	1·4	310	1·5	320	1·1	320	1·6	300	0·5	320	0·9	320	1·3	340	0·9
14	190	3·1	190	4·1	190	3·3	180	4·1	190	4·2	180	4·0	180	4·0	180	4·3	170	4·5	180	4·1	180	6·0	180	6·2
15	230	0·7	240	0·7	220	0·8	190	0·7	190	1·3	190	2·1	190	2·4	210	2·4	210	1·0	220	1·0	280	0·9	180	0·9
16	...	...	230	(0·4)	...	...	320	(1·1)	320	(1·1)	230	(0·4)	220	0·9	230	1·0	300	(0·3)	310	(0·2)	290	(0·3)	240	(0·5)
17	...	...	...	...	...	...	240	(0·4)	220	(1·0)	200	(0·8)	180	1·9	180	5·6	170	5·0	180	4·8	180	6·4	180	7·1
18	180	6·8	180	6·4	180	6·4	180	6·9	170	6·4	160	6·8	160	7·2	150	6·5	140	7·6	130	8·6	130	9·7	130	10·2
19	150	5·8	170	6·3	180	6·8	180	6·9	190	6·3	190	6·4	210	4·9	220	4·2	210	5·2	220	4·2	200	6·5	190	7·1
20	170	4·4	170	5·5	170	5·5	170	6·1	180	6·6	190	5·6	190	5·4	190	5·3	190	6·8	200	6·0	200	5·9	220	5·0
21	220	2·6	210	4·1	200	3·9	220	1·9	210	1·8	200	2·3	180	2·1	180	1·9	170	5·6	170	2·7	140	4·4	120	6·4
22	210	2·1	210	1·6	200	1·3	210	2·1	210	1·9	220	1·9	210	3·6	210	2·9	210	2·9	210	0·8	200	2·3	200	4·2
23	130	5·0	120	5·0	100	4·2	90	4·6	80	4·6	90	6·4	90	5·8	90	6·0	80	6·6	90	6·6	100	7·0	100	7·0
24	110	6·2	100	6·1	90	6·7	100	6·5	90	6·2	90	7·2	90	6·4	90	6·4	90	5·8	90	5·7	90	5·0	90	4·5
25	90	3·1	90	1·6	70	0·5	320	1·2	320	1·9	320	2·1	330	1·2	310	1·0	300	1·4	290	3·5	280	4·2	290	4·7
26	230	4·3	230	4·0	230	3·9	220	4·2	210	4·1	210	3·5	220	3·7	230	3·9	220	3·5	230	3·9	210	2·4	200	1·8
27	200	1·4	220	1·6	220	1·4	220	2·5	240	2·0	220	2·0	220	4·0	220	3·6	200	3·0	220	3·7	210	3·3	200	3·5
28	330	0·5	200	1·1	340	0·9	330	1·2	330	0·7	130	0·8	140	2·0	340	0·2	100	1·7	90	2·9	90	3·3	110	4·2
29	70	7·0	70	6·7	60	7·3	50	7·1	50	7·1	30	5·0	40	3·9	50	4·7	30	4·6	30	5·3	30	4·8	30	4·8
Mean	---	3·5	---	3·6	---	3·5	---	3·6	---	3·6	---	3·5	---	3·5	---	3·6	---	4·0	---	4·0	---	4·3	---	4·6
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 24 metres + 13 metres

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12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
220	0·6	310	0·8	320	1·1	310	1·9	320	1·9	320	2·0	50	3·4	50	3·7	60	3·0	50	3·1	70	3·3	110	1·9	1·8	1
30	1·6	340	1·1	360	2·1	10	2·9	360	2·9	350	3·3	350	3·2	340	3·7	350	3·8	360	3·4	350	3·5	350	3·4	2·0	2
320	3·8	340	4·5	330	4·8	330	5·2	320	5·2	320	4·5	320	3·0	310	2·7	310	2·8	300	3·0	300	2·8	280	2·2	3·3	3
300	5·3	300	5·1	300	4·9	300	3·4	280	2·6	270	3·0	280	1·6	300	1·4	300	2·5	290	2·2	300	1·5	300	1·4	3·6	4
120	8·1	120	8·3	110	8·9	100	7·7	100	7·4	100	4·6	180	3·7	160	4·5	150	5·1	150	5·8	140	6·7	130	8·4	4·8	5
120	6·4	120	5·5	120	5·5	110	5·8	100	5·7	100	5·5	100	6·6	90	7·2	90	7·5	90	7·5	90	7·5	100	6·1	7·2	6
130	3·2	130	2·4	130	2·3	140	2·0	150	2·7	140	2·1	150	1·4	130	1·2	130	2·0	120	1·4	130	2·0	120	1·6	3·0	7
130	2·3	140	2·8	150	3·0	150	3·9	150	4·9	160	4·6	160	5·4	150	6·1	150	5·5	160	4·3	180	3·7	210	2·4	2·9	8
170	7·8	170	8·0	170	6·5	170	5·6	160	7·1	150	6·7	140	8·5	140	9·3	140	8·7	160	6·9	170	6·1	190	3·1	4·8	9
250	1·8	260	2·3	280	5·4	280	3·6	260	2·8	230	2·3	280	2·8	290	6·1	280	3·8	280	4·4	290	2·9	270	2·2	4·8	10
290	9·5	290	8·9	290	8·5	290	7·6	280	5·9	270	6·0	270	5·6	280	5·3	290	4·9	290	3·2	290	3·8	270	4·2	5·4	11
250	4·5	260	4·4	250	3·5	230	2·5	210	1·9	210	0·9	240	2·6	240	3·8	250	6·5	260	6·1	260	6·8	260	7·1	4·2	12
290	7·5	310	8·3	300	7·7	300	7·2	300	5·5	310	6·4	310	6·2	310	5·2	300	6·2	310	5·6	300	6·0	300	6·0	5·0	13
310	4·7	310	4·8	310	3·4	320	4·4	310	3·7	320	4·6	320	4·1	310	2·9	300	3·6	290	2·6	290	3·6	280	3·0	4·9	14
250	3·5	250	3·1	250	3·9	240	3·1	250	3·2	240	1·9	240	1·5	220	1·4	240	1·4	250	0·6	260	0·7	220	1·5	2·6	15
20	2·3	340	2·0	330	3·0	310	3·1	310	3·4	320	3·7	330	4·5	330	3·9	310	2·7	320	2·6	320	5·1	320	4·4	2·1	16
230	3·1	220	2·5	220	2·8	210	3·6	160	(3·3)	190	(3·0)	220	(1·6)	100	(1·3)	80	(4·2)	80	(6·6)	50	(6·8)	40	(6·0)	3·6	17
310	4·9	310	4·8	310	5·3	270	4·7	290	5·5	280	6·4	300	5·5	280	3·7	300	3·9	300	4·8	250	3·6	280	3·2	4·8	18
280	2·8	250	1·4	240	1·1	300	0·5	300	0·1	320	0·4	310	1·9	310	2·0	310	1·9	310	2·3	300	2·4	310	2·7	2·7	19
90	8·9	70	8·6	70	9·0	60	10·2	50	10·7	40	11·4	30	12·1	30	10·9	10	8·5	10	6·9	350	5·0	350	2·8	6·7	20
350	5·7	340	5·9	330	6·1	320	6·8	330	6·7	320	7·0	320	6·1	320	7·0	310	6·4	310	8·0	310	6·9	300	5·3	5·6	21
230	2·7	230	3·0	210	2·5	210	2·1	210	2·1	220	2·1	230	3·1	230	2·9	230	2·6	220	3·9	230	4·1	230	3·9	3·3	22
300	5·5	290	4·6	300	5·4	320	5·9	310	4·1	300	4·0	290	6·0	310	3·4	300	1·9	260	1·8	280	2·6	260	1·9	5·6	23
210	0·3	230	1·4	230	1·9	240	1·5	230	0·1	190	0·3	260	1·0	300	0·5	320	1·1	250	0·8	330	1·4	330	1·1	1·1	24
140	6·2	140	5·9	150	5·7	150	6·0	150	6·2	150	6·5	150	6·1	140	5·9	140	6·4	140	6·5	150	6·0	140	5·7	4·3	25
220	1·2	240	1·0	240	1·5	240	1·8	240	2·4	240	1·5	240	1·4	240	1·0	220	2·2	240	2·3	220	0·6	180	0·5	2·6	26
190	7·9	190	6·6	200	4·8	210	4·3	210	3·1	210	2·8	210	3·3	210	3·0	230	1·8	210	0·1	200	2·6	220	1·0	3·8	27
210	1·1	240	1·6	270	1·4	180	1·2	190	1·5	220	1·5	220	1·7	240	0·7	270	0·3	170	0·4	220	0·2	230	1·6	1·8	28
330	1·4	330	1·4	340	1·1	340	1·4	360	1·5	340	2·0	340	2·5	330	2·7	330	3·9	330	4·5	330	4·3	330	3·8	1·7	29
260	1·5	310	1·1	280	1·4	260	0·7	240	0·5	240	0·9	250	2·1	250	1·3	250	0·5	80	0·1	230	1·0	240	1·9	2·3	30
330	0·3	350	0·4	330	0·4	320	0·4	330	0·4	...	...	320	0·5	320	0·5	320	0·5	320	0·4	270	0·2	330	0·2	0·5	31
---	4·1	---	4·0	---	4·0	---	3·9	---	3·7	---	3·6	---	3·8	---	3·7	---	3·7	---	3·6	---	3·7	---	3·2	3·6	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
340	1·9	330	2·3	340	2·0	320	2·0	320	2·4	320	2·3	320	2·1	320	2·3	320	2·2	330	2·5	330	2·7	330	2·4	1·4	1
320	5·7	330	6·0	350	6·2	340	6·9	350	7·3	340	6·9	340	5·6	320	4·4	320	5·4	310	4·4	300	4·0	310	3·5	4·7	2
340	7·9	340	9·8	330	6·6	330	5·2	330	5·7	330	4·6	330	6·7	330	5·5	330	6·0	320	5·9	320	6·1	330	5·5	6·4	3
330	3·6	320	3·1	300	2·8	310	2·4	310	1·9	300	2·9	290	3·2	310	2·8	300	2·6	260	2·3	230	0·7	310	1·3	3·3	4
330	1·5	330	0·9	170	2·7	170	2·8	180	3·2	170	2·8	170	3·8	170	4·0	170	5·2	180	4·7	180	5·6	180	5·7	3·3	5
190	8·1	190	8·6	190	8·6	190	7·8	190	8·9	190	10·0	190	9·0	190	9·9	190	8·9	200	8·8	200	8·2	190	9·9	7·8	6
200	7·0	200	6·2	200	6·1	210	4·3	210	2·4	210	3·5	200	2·5	200	3·0	210	4·5	220	3·3	220	3·3	210	2·9	6·1	7
200	4·3	200	4·4	210	3·0	210	3·4	210	2·6	210	2·6	220	1·6	230	2·1	230	1·9	300	0·3	220	0·6	...	...	2·3	8
330	1·9	330	1·3	80	1·3	130	2·3	140	3·6	140	4·3	140	8·5	150	9·1	150	8·2	150	8·0	150	8·2	150	7·6	3·3	9
160	7·5	170	7·5	170	7·2	170	6·8	170	6·3	170	6·5	170	6·4	180	6·4	180	6·5	180	6·4	190	5·6	180	5·3	6·6	10
190	3·4	180	3·3	200	3·2	180	2·4	170	1·7	170	1·5	160	0·9	150	1·0	150	0·6	140	0·5	160	0·8	340	0·1	2·4	11
240	2·0	240	1·2	180	1·2	190	1·4	230	1·1	230	0·5	330	0·3	330	0·6	320	0·9	330	1·4	330	1·7	330	1·5	1·0	12
290	1·0	280	1·4	250	1·6	220	2·0	200	1·8	200	1·9	190	2·5	190	2·5	180	2·8	180	2·7	180	3·2	180	3·2	1·7	13
180	6·6	180	7·1	180	6·8	180	6·7	190	6·4	190	6·0	190	6·3	180	6·2	200	3·7	190	4·7	200	3·4	230	1·3	4·9	14
210	1·6	180	1·0	210	1·0	200	1·0	210	0·5	190	0·4	210	1·4	240	0·7	210	0·5	230	0·5	230	0·6	190	0·5	1·0	15
330	(0·4)	230	(0·4)	240	(0·6)	250	(0·5)	---	0·0	340	(0·4)	340	(0·6)	330	(0·6)	330	(1·0)	330	(0·8)	340	(1·1)	...	...	0·6	16
160	6·6	170	6·6	170	7·2	170	7·5	170	7·1	170	6·5	170	6·5	170	7·1	180	7·0	180	6·6	170	6·2	170	6·8	4·8	17
140	9·6	140	9·9	160	7·4	170	6·0	180	5·7	170	4·4	170	5·4	160	5·4	160	4·5	160	5·2	150	5·6	150	5·6	6·8	18
200	7·1	190	6·2	180	4·4	150	3·7	150	3·8	150	6·8	190	5·1	210	2·8	210	3·3	190	2·1	180	3·5	180	4·6	5·2	19
220	5·5	210	5·5	220	6·0	210	5·8	200	4·1	210	3·7	210	3·3	210	5·0	210	3·5	210	2·5	200	3·7	200	4·1	5·0	20
140	9·2	140	9·9	150	9·4	150	8·5	150	7·7	150	5·5	150	4·0	180	3·4	200	3·7	220	3·6	250	4·6	230	2·2	4·6	21
190	2·5	190	3·4	180	3·9	170	3·1	180	3·7	180	3·1	200	1·6	140	1·7	150	3·0	150	3·6	150	3·8	140	4·1	2·7	22
100	7·1	100	6·3	100	6·4	90	6·4	90	6·1	90	5·5	100	5·8	90	5·0	90	4·2	90	5·1	100	4·6	90	5·8	5·7	23
90	4·5	90	3·9	90	4·1	100	4·6	90	4·5	90	4·2	90	5·6	100	4·0	80	3·5	90	3·4	90	3·4	90	3·1	5·1	24
270	4·1	260	4·7	240	4·1	230	3·8	230	3·4	230	3·1	220	2·1	230	2·5	230	3·0	240	3·1	230	3·1	230	3·7	2·8	25
220	0·9	260	2·9	280	5·2	270	3·9	250	2·6	220	2·0	230	3·1	240	3·2	220	3·7	220	3·0	210	1·5	220	1·5	3·2	26
200	4·4	190	4·8	190	3·3	190	2·6	180	2·5	160	2·7	160	2·1	140	1·5	140	2·3	150	2·1	150	2·3	250	0·8	2·6	27
120	6·2	110	5·8	90	6·1	90	6·0	80	5·5	70	6·8	90	7·7	90	8·2	90	8·1	80	7·7	80	7·2	70	7·1	4·2	28
40	6·0	40	5·7	20	5·6	20	5·6	30	6·1	30	6·0	10	7·0	20	6·5	10	7·3	10	8·0	10	7·7	10	7·4	6·1	29
---	4·8	---	4·8	---	4·6	---	4·3	---	4·1	---	4·0	---	4·2	---	4·0	---	4·1	---	3·9	---	3·9	---	3·7	4·0	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

141 ABERDEEN: Dines Pressure Tube Anemometer

H_a (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	20	7·2	10	7·7	10	8·7	10	7·5	10	7·5	10	8·4	10	8·6	10	8·8	20	7·6	20	8·4	20	7·5	20	7·5
2	360	6·8	360	5·9	20	5·1	20	3·6	10	3·2	340	3·3	350	3·4	350	3·8	350	4·8	340	4·2	350	4·6	320	4·8
3	250	0·9	240	0·9	230	0·7	230	0·5	230	1·0	220	0·7	220	1·1	230	1·3	230	1·2	220	1·9	210	2·6	210	4·2
4	220	1·1	230	1·1	230	0·4	220	1·1	200	1·2	210	1·2	210	2·5	210	3·2	210	3·4	210	5·0	200	5·5	210	7·1
5	200	0·4	230	0·3	200	0·1	230	1·2	230	2·4	230	2·6	220	2·5	230	2·8	220	2·2	230	3·1	220	4·7	230	5·2
6	190	1·8	210	2·3	210	3·2	190	2·7	240	3·6	240	3·0	230	3·3	230	2·7	230	2·3	280	5·5	290	6·7	290	7·7
7	250	0·2	270	0·1	170	0·2	---	0·0	250	0·2	330	0·4	230	0·6	220	0·7	200	2·4	210	3·4	200	4·0	190	3·6
8	200	6·3	190	6·0	190	5·7	200	3·7	190	4·0	200	3·5	200	4·4	200	4·1	220	3·2	210	3·5	210	3·8	210	4·2
9	10	3·4	10	3·5	20	3·2	30	3·9	30	4·6	30	4·5	20	5·3	10	5·3	360	5·2	10	4·8	20	5·4	30	4·7
10	360	3·4	10	4·0	10	3·9	360	4·5	360	4·3	350	3·9	350	3·6	360	3·2	360	3·1	360	2·9	10	2·9	10	3·4
11	330	1·9	330	1·7	330	1·4	320	0·8	320	1·2	320	1·6	320	1·4	330	1·0	320	0·6	200	1·1	190	2·9	210	2·5
12	210	3·2	210	1·7	210	2·5	200	3·0	220	2·4	210	3·1	210	3·4	190	4·4	200	4·9	210	4·9	210	7·0	210	7·0
13	210	4·4	210	2·5	210	3·2	220	2·6	210	2·5	210	2·4	220	1·3	220	1·1	210	1·8	200	2·5	210	3·2	200	4·1
14	210	1·9	210	1·9	230	2·0	230	1·6	230	1·5	230	1·6	230	1·5	240	1·5	240	1·5	230	2·0	230	3·2	230	3·9
15	290	2·3	290	2·2	290	1·5	270	1·5	300	2·0	300	4·3	320	5·9	330	5·6	350	3·2	10	4·3	10	4·2	20	4·2
16	240	2·1	240	2·6	240	1·6	230	2·0	240	0·9	230	1·8	230	1·0	230	1·5	230	2·4	230	1·8	230	1·7	230	1·6
17	230	1·0	240	1·2	270	0·3	310	0·4	290	0·2	310	0·2	280	0·2	230	0·9	250	0·5	230	1·3	250	0·5	230	0·6
18	280	2·9	300	3·0	320	3·0	300	0·6	240	0·4	310	3·0	320	2·0	310	0·3	300	0·2	110	0·6	120	0·7	130	1·9
19	130	1·9	130	2·3	110	1·7	110	1·6	130	2·1	130	2·1	130	3·4	130	3·4	140	3·0	140	3·7	130	2·2	150	3·2
20	120	1·4	130	1·1	150	3·0	150	3·9	160	2·4	160	2·0	160	2·0	170	2·4	160	3·5	150	3·4	160	4·3	170	4·1
21	180	1·3	180	1·4	190	1·3	190	1·1	200	1·1	200	0·9	220	0·8	60	0·5	110	0·2	180	1·1	190	3·4	170	3·3
22	110	0·4	140	0·9	150	0·7	100	1·0	120	1·0	130	1·1	30	0·2	50	0·3	70	0·6	70	1·5	80	1·7	100	2·5
23	130	1·0	130	2·5	140	1·4	110	0·5	100	0·3	100	0·2	120	0·8	110	0·3	80	0·2	80	1·3	110	1·4	110	1·0
24	90	2·2	110	3·6	120	5·5	130	5·9	130	6·0	140	5·2	150	4·8	170	4·5	190	4·0	180	5·6	180	6·4	170	5·8
25	130	3·4	120	3·0	120	2·3	120	2·1	120	1·9	120	1·8	130	2·1	130	2·6	130	3·0	130	2·9	130	2·0	130	2·7
26	120	2·9	120	3·0	120	2·7	110	2·7	110	2·5	100	2·5	110	2·9	90	3·1	110	3·1	100	2·9	90	3·0	90	2·9
27	100	4·2	100	3·1	100	3·3	100	4·1	100	3·7	100	3·1	110	3·9	110	4·4	110	4·2	100	4·5	110	5·4	120	6·1
28	130	3·5	130	2·4	120	2·1	120	2·0	130	2·3	130	2·9	130	2·5	130	2·8	130	2·5	140	2·7	130	2·4	120	1·6
29	150	1·9	160	3·0	150	2·0	140	1·0	160	3·6	150	2·8	160	3·2	160	4·4	150	5·1	150	5·3	140	5·9	140	6·0
30	120	1·2	170	1·6	170	2·9	170	3·0	170	3·2	180	3·9	180	3·7	180	3·2	180	1·6	180	2·6	210	3·8	190	3·0
31	200	2·8	200	4·0	190	4·2	190	2·2	180	2·8	160	1·6	190	1·9	190	2·6	180	2·3	180	2·0	170	2·5	260	3·7
Mean	---	2·6	---	2·6	---	2·6	---	2·3	---	2·5	---	2·6	---	2·7	---	2·8	---	2·7	---	3·2	---	3·7	---	4·0

142 ABERDEEN: H_a = 24 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	240	0·7	300	(0·4)	320	(0·3)	310	(0·3)	300	(0·8)	290	(0·4)	310	0·5	310	0·4	330	0·2	120	1·1	130	2·1	130	3·0
2	40	5·1	30	3·6	360	2·5	350	2·6	350	2·9	340	2·9	350	3·2	360	2·9	10	2·8	50	3·2	70	2·6	80	2·8
3	110	1·1	120	1·0	120	1·3	120	1·5	120	1·8	120	1·6	130	2·1	140	2·5	150	2·7	150	2·7	160	2·6	140	2·7
4	310	1·3	310	1·4	310	1·2	300	1·2	310	1·5	300	1·0	310	1·1	310	1·6	310	2·0	320	3·4	340	3·9	350	3·5
5	330	0·7	310	1·0	310	1·0	310	1·2	310	1·4	320	1·2	310	1·9	320	1·6	310	2·1	330	3·1	340	3·2	340	3·2
6	300	1·0	300	2·0	280	0·5	290	1·6	290	1·6	280	0·8	280	2·4	280	4·2	260	3·0	280	5·5	290	6·4	300	6·8
7	330	4·4	340	4·2	330	3·2	320	2·9	320	2·6	310	2·0	310	2·0	310	3·2	310	3·8	320	3·9	330	2·8	350	2·4
8	290	1·6	290	1·0	280	1·7	290	1·5	260	1·0	280	1·4	290	0·8	290	2·9	310	4·0	320	5·2	340	4·4	340	3·5
9	300	1·9	300	2·2	310	2·2	300	2·6	290	2·0	290	2·3	310	2·6	310	2·2	330	3·2	10	2·9	40	2·1	90	2·2
10	310	1·8	300	0·4	300	2·0	300	2·3	310	2·0	300	1·9	300	2·0	300	4·5	320	6·1	320	5·9	330	6·1	350	5·4
11	340	4·5	350	3·8	350	4·1	350	4·8	340	4·6	350	5·5	340	5·3	350	5·6	360	7·4	350	7·6	360	7·1	10	6·7
12	360	4·4	350	3·4	360	4·1	60	2·7	360	1·7	50	3·6	60	2·0	360	1·8	70	2·8	50	4·0	50	3·6	60	4·0
13	340	3·1	340	3·0	340	4·5	350	4·5	350	4·6	360	4·3	360	4·2	360	3·2	70	4·4	60	5·1	60	5·1	60	6·0
14	330	3·0	340	3·6	350	3·8	350	3·9	360	4·0	360	4·5	360	4·8	10	4·6	20	6·1	10	6·5	10	6·0	360	6·0
15	350	5·8	350	6·0	350	6·5	360	5·2	360	4·7	350	6·3	350	5·5	360	6·4	360	6·5	360	6·4	10	6·3	360	5·6
16	350	4·5	360	4·6	360	4·3	360	3·7	330	3·1	340	3·9	360	3·4	350	4·0	350	5·2	10	5·6	350	6·1	350	6·1
17	310	2·1	310	2·3	310	2·9	310	3·1	320	4·0	320	3·2	350	3·3	320	4·5	340	5·4	320	5·2	330	6·3	340	6·5
18	310	5·9	300	5·4	310	5·8	300	5·8	300	5·4	290	4·5	290	4·2	300	5·9	310	6·4	320	5·6	310	5·6	320	5·1
19	300	5·9	310	6·5	310	6·7	310	6·4	300	6·3	310	6·5	310	7·3	310	8·0	310	8·9	310	11·2	320	10·0	320	10·1
20	300	5·9	300	4·6	300	4·9	300	5·4	290	4·6	290	5·5	300	6·6	310	8·5	310	8·2	310	7·2	320	8·5	310	7·0
21	240	1·5	300	3·1	300	3·2	300	4·4	300	3·5	310	2·6	310	2·5	320	3·5	320	3·1	330	2·3	320	1·9	10	1·9
22	310	1·9	270	1·7	300	3·9	300	3·6	290	4·3	290	5·0	310	6·4	320	6·6	320	6·9	320	8·4	310	8·6	330	9·5
23	310	3·0	320	2·9	310	2·5	300	2·3	300	2·5	300	2·1	300	1·8	310	1·5	310	0·4	110	1·5	120	3·6	120	4·9
24	170	5·8	170	4·5	180	5·1	170	5·9	170	6·1	170	5·7	170	5·5	170	5·6	170	5·3	(160)	5·5	(170)	5·1	(170)	4·5
25	190	6·1	190	1·7	220	1·7	220	2·6	230	4·4	210	5·2	200	6·7	200	6·8	230	8·1	230	7·5	250	7·9	250	7·8
26	190	3·1	220	1·4	220	2·3	220	3·0	250	1·3	210	3·3	210	4·1	220	6·2	220	6·0	230	6·3	230	5·5	220	4·8
27	240	3·0	260	2·9	280	1·4	280	3·0	280	2·3	280	1·2	280	2·8	290	4·2	310	4·8	300	4·3	310	4·1	320	3·7
28	220	1·4	190	2·8	190	2·9	190	3·3	190	3·4	180	4·4	180	3·2	190	4·1	180	4·1	190	4·5	180	5·5	180	4·9
29	250	0·4	300	0·3	250	0·3	320	0·1	250	1·1	270	0·9	260	1·8	280	2·0	280	3·0	290	2·5	270	3·1	290	2·5
30	300	4·1	300	4·4	300	3·5	290	0·9	290	2·2	270	0·9	280	0·3	300	3·0	320	3·9	320	4·9	310	4·2	310	2·5
Mean	---	3·1	---	2·9	---	3·0	---	3·1	---	3·1	---	3·2	---	3·3	---	4·1	---	4·6	---	5·0	---	5·0	---	4·9
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 24 metres + 13 metres

MARCH, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
20	8·6	10	9·2	10	8·9	10	8·5	10	8·3	10	7·7	10	7·7	10	8·1	10	7·0	10	7·3	360	7·9	360	7·0	8·0	1
330	5·4	330	4·8	330	4·4	320	4·4	320	3·5	290	2·7	290	2·0	320	1·5	260	1·5	270	2·4	250	2·3	240	2·3	3·8	2
210	3·7	210	3·4	200	3·4	200	3·6	200	2·8	210	2·0	210	1·1	220	0·5	220	1·4	220	1·5	220	1·5	220	1·2	1·8	3
210	7·9	200	7·6	210	7·2	210	5·9	210	7·6	210	7·1	210	6·0	220	5·2	220	3·3	200	2·0	170	0·7	240	0·9	3·9	4
220	4·5	220	4·9	220	5·2	230	5·8	220	4·5	220	3·9	240	3·6	250	2·7	220	2·7	230	2·6	230	3·3	230	2·0	3·1	5
290	7·1	300	6·6	290	5·8	290	4·8	300	3·2	270	2·4	270	2·0	250	1·7	270	2·1	270	2·2	270	2·5	250	1·0	3·6	6
180	4·1	180	4·2	180	4·6	180	4·5	170	5·0	170	5·0	170	4·8	170	6·1	170	6·7	180	6·1	180	6·0	190	5·5	3·3	7
200	3·6	200	3·4	200	1·9	190	1·2	190	1·1	240	0·5	340	2·5	350	2·1	340	1·6	330	1·6	360	2·8	10	3·3	3·3	8
30	4·6	30	5·2	20	4·7	10	5·1	360	5·6	360	5·1	350	4·8	350	4·4	10	4·0	10	3·5	360	3·6	360	3·6	4·5	9
10	3·0	10	3·3	10	3·4	10	2·6	30	1·8	40	1·6	360	1·4	340	1·0	330	1·0	330	0·9	330	1·6	330	1·5	2·8	10
180	3·7	180	4·7	180	4·6	200	3·7	190	3·5	200	3·7	200	3·8	200	3·7	210	3·1	200	2·8	200	3·6	200	3·9	2·6	11
210	6·7	210	6·2	210	4·4	200	5·0	200	4·9	200	4·7	200	4·2	210	4·3	210	4·3	220	3·9	210	4·0	220	4·3	4·3	12
200	5·5	200	5·2	210	4·8	200	5·2	200	4·8	200	4·0	210	2·8	210	2·9	210	2·9	210	2·6	210	2·4	210	1·7	3·2	13
220	4·6	240	3·7	240	4·4	230	3·2	230	3·1	230	1·9	230	2·2	230	2·1	240	0·9	250	0·9	280	1·3	290	2·1	2·3	14
20	4·4	10	3·7	10	3·8	10	3·6	20	3·1	10	1·7	20	1·0	340	0·6	330	0·3	330	0·8	250	1·6	240	2·6	2·9	15
240	1·7	290	3·2	290	3·4	290	2·6	280	2·3	290	3·6	300	2·7	300	2·3	260	1·1	280	1·0	270	0·4	260	0·3	1·9	16
190	0·5	80	0·1	60	(0·9)	300	(1·3)	290	(1·8)	290	(3·1)	290	2·0	260	2·1	260	2·1	260	1·9	260	1·5	270	2·1	1·1	17
140	2·0	160	2·1	170	2·6	180	1·9	120	1·4	130	1·5	160	1·6	170	1·8	170	2·2	160	1·7	160	1·8	140	2·1	1·7	18
150	3·3	140	4·0	120	3·5	120	3·2	120	2·7	130	3·4	140	3·9	140	4·8	150	6·5	140	4·6	140	4·4	140	3·2	3·3	19
170	3·6	170	5·6	190	1·4	160	1·9	140	1·8	130	0·9	190	2·1	180	1·0	190	0·5	180	0·4	110	0·4	180	0·2	2·2	20
120	2·0	110	1·9	90	2·0	140	3·1	130	1·4	50	0·6	80	0·6	90	0·5	100	0·7	120	0·5	100	0·9	110	1·0	1·3	21
110	2·4	130	3·5	120	5·1	120	3·2	120	1·5	140	1·4	140	2·7	120	1·7	120	0·7	110	0·5	30	0·4	100	0·8	1·5	22
120	1·3	120	2·0	120	1·0	120	2·1	110	1·4	90	1·4	100	2·0	110	3·6	110	2·1	90	2·0	80	2·3	70	2·3	1·4	23
170	4·8	150	4·1	150	3·7	150	3·7	160	2·9	130	1·3	120	0·8	160	2·1	170	2·7	150	2·6	140	2·5	140	3·4	3·9	24
130	2·9	130	3·0	130	2·8	130	2·5	120	2·4	120	2·4	130	2·5	130	3·0	140	3·0	130	2·6	130	2·5	130	2·8	2·6	25
100	3·3	90	2·9	90	2·8	100	2·4	90	3·1	100	2·7	100	2·6	100	3·7	100	3·8	100	3·8	100	4·2	100	3·2	3·0	26
120	6·4	130	6·4	130	6·2	130	6·0	130	6·0	130	4·5	130	4·8	130	4·7	130	4·7	130	3·5	130	3·3	130	3·3	4·6	27
120	1·4	150	2·7	160	2·7	170	2·6	160	4·0	170	2·1	150	1·8	160	1·7	150	2·5	170	2·2	160	1·6	150	1·9	2·4	28
140	7·6	140	7·1	140	6·6	140	6·6	140	7·9	140	7·5	140	7·6	140	6·8	150	5·7	170	5·0	170	4·6	170	3·4	5·0	29
220	4·3	250	6·0	250	4·7	280	7·0	260	5·4	260	5·1	250	2·6	230	3·2	230	4·7	230	3·4	220	3·0	220	2·4	3·6	30
260	3·5	250	3·3	290	2·6	280	3·1	310	4·9	310	3·4	310	2·4	320	3·3	320	2·3	270	1·1	240	0·8	290	1·4	2·7	31
---	4·1	---	4·3	---	4·0	---	3·9	---	3·7	---	3·2	---	3·0	---	3·0	---	2·8	---	2·5	---	2·6	---	2·5	3·1	

APRIL, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
160	3·5	170	3·6	160	3·8	180	3·4	180	3·1	180	2·7	160	1·3	110	0·8	40	0·5	20	1·3	30	3·0	30	4·2	1·7	1
70	3·9	80	4·2	80	3·4	80	2·8	80	2·5	90	2·0	90	1·9	100	1·4	100	1·4	110	1·1	110	0·6	90	1·0	2·6	2
150	2·9	140	2·4	140	3·0	130	2·7	130	2·6	140	2·7	150	2·1	160	1·2	170	0·2	310	0·4	310	0·8	310	1·3	1·9	3
360	4·1	360	3·6	360	3·5	10	3·5	360	3·6	360	3·9	360	2·6	350	1·6	340	2·3	350	1·5	340	1·7	310	0·7	2·3	4
360	2·7	20	1·1	120	1·2	90	0·7	100	0·8	120	0·9	130	0·8	160	0·6	220	0·9	220	1·4	220	2·3	230	1·8	1·5	5
310	7·7	320	7·1	350	6·2	350	6·1	350	6·7	360	5·9	350	4·9	350	4·3	340	5·5	340	5·0	330	5·4	330	4·2	4·4	6
120	2·0	130	1·8	160	1·7	180	0·8	220	1·0	220	1·3	220	1·0	230	0·5	---	0·0	280	0·7	300	0·8	290	0·9	2·1	7
340	3·5	340	4·1	340	3·9	350	3·7	350	3·6	360	3·1	330	1·0	310	0·9	310	1·7	300	1·9	310	2·5	300	1·5	2·5	8
110	2·4	110	2·6	130	2·6	140	2·8	170	2·8	180	2·5	160	1·6	160	1·0	180	1·4	180	0·3	310	0·2	310	1·1	2·1	9
360	4·5	360	4·8	360	6·2	360	5·5	360	5·5	360	5·3	350	4·6	350	3·6	350	3·8	350	3·2	350	4·3	340	4·7	4·0	10
10	6·9	30	6·5	30	6·3	20	6·5	20	5·7	360	4·7	360	5·1	360	5·1	350	4·9	350	4·9	360	5·7	360	4·9	5·6	11
60	5·2	50	5·7	50	5·4	50	5·3	50	5·0	40	5·1	40	4·4	20	3·6	350	2·5	340	3·1	340	3·5	340	3·3	3·8	12
60	6·1	70	5·6	60	5·0	60	4·5	30	4·7	40	4·5	20	3·7	350	2·5	340	3·0	330	2·9	330	3·1	330	3·2	4·2	13
360	6·5	10	6·2	20	6·7	20	7·0	10	6·6	360	5·6	360	6·5	360	6·0	360	6·1	360	6·1	360	6·0	360	6·4	5·5	14
10	5·4	10	5·3	20	5·0	20	5·6	20	5·1	30	4·5	360	3·0	350	2·8	350	3·9	350	3·4	340	3·8	340	4·9	5·2	15
340	6·5	330	6·4	330	5·4	350	5·8	350	5·8	350	4·6	330	4·4	320	3·0	310	2·1	300	2·8	300	2·7	310	2·5	4·4	16
340	6·6	340	6·7	330	5·6	340	5·9	330	5·6	330	5·7	320	5·6	310	2·9	310	2·6	300	3·8	300	3·6	310	4·9	4·5	17
320	6·0	320	6·0	320	6·8	320	7·1	310	6·8	320	6·7	330	5·3	310	3·6	290	3·1	300	3·6	290	4·4	300	5·7	5·4	18
310	9·6	320	10·7	320	10·0	310	8·5	310	8·7	330	6·9	300	6·4	300	5·2	310	5·2	300	5·7	300	5·5	300	5·7	7·6	19
330	6·9	330	8·6	340	8·0	350	7·1	350	7·3	330	7·1	320	6·1	320	4·4	320	4·0	320	4·0	310	3·2	270	3·4	6·1	20
350	2·7	120	1·5	190	0·7	180	1·7	180	0·2	180	1·0	180	0·5	300	1·0	310	1·6	300	1·3	290	2·2	290	2·3	2·1	21
330	9·0	330	9·0	330	8·6	360	7·6	350	7·3	340	6·9	330	6·4	330	4·6	320	3·8	320	4·9	310	3·9	310	3·0	5·9	22
160	5·1	160	5·8	140	5·6	140	5·9	140	6·1	150	6·4	150	6·6	150	6·4	160	7·6	160	6·6	170	7·0	170	5·5	4·3	23
170	5·3	170	6·6	170	4·6	170	3·8	160	5·0	190	6·7	190	2·6	180	4·3	180	6·5	180	5·2	180	6·4	180	10·2	5·5	24
250	7·0	230	6·5	230	6·6	220	5·9	210	5·7	180	3·7	220	4·6	210	2·9	190	2·5	190	3·1	190	3·1	190	4·0	5·1	25
230	5·9	220	6·2	230	6·2	210	5·9	250	5·6	250	5·0	260	5·0	270	2·7	250	2·0	250	2·5	240	2·3	260	2·6	4·1	26
310	2·6	160	3·3	150	4·0	170	3·7	170	3·8	170	3·7	100	2·0	150	2·5	170	4·1	200	2·4	210	1·4	220	1·4	3·0	27
200	5·0	190	4·3	180	4·9	190	4·0	190	4·6	200	4·6	210	2·9	220	2·3	230	2·3	250	1·6	270	1·1	310	1·1	3·5	28
290	1·7	190	3·0	190	3·7	190	3·1	190	0·9	120	0·2	300	2·9	280	2·0	290	3·2	290	5·5	300	3·3	300	4·1	2·1	29
200	1·9	330	2·0	310	1·7	200	2·8	190	2·2	190	2·1	220	0·9	210	0·1	190	0·3	---	0·0	---	0·0	---	0·0	2·0	30
---	5·0	---	5·0	---	4·9	---	4·7	---	4·5	---	4·2	---	3·6	---	2·8	---	3·0	---	3·0	---	3·1	---	3·3	3·8	

12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

143 ABERDEEN: Dines Pressure Tube Anemometer

H_a (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	310	0·1	350	0·3	340	0·2	330	0·4	320	1·3	320	1·6	320	0·7	310	0·1	110	0·8	100	1·1	100	1·6	70	2·8
2	200	0·1	---	0·0	---	0·0	310	0·9	310	1·0	320	1·0	320	0·7	330	0·3	180	0·7	120	1·4	130	2·4	160	3·5
3	190	2·5	200	1·8	200	1·7	210	1·8	210	0·9	---	0·0	190	0·6	180	2·8	180	4·2	180	5·7	180	5·3	180	5·3
4	180	2·5	160	1·5	160	1·1	150	0·3	120	0·4	110	0·9	100	0·9	90	0·8	60	0·6	70	0·6	60	0·7	50	1·0
5	120	2·6	120	2·9	120	2·9	110	2·6	100	2·5	110	2·4	110	2·4	100	2·5	100	2·5	100	2·2	120	4·0	120	4·8
6	120	2·6	120	2·9	110	2·1	100	1·4	90	1·9	100	2·3	100	2·7	100	2·5	100	2·2	100	2·6	100	3·0	90	3·3
7	60	1·5	60	0·9	70	0·8	80	0·8	100	0·5	120	1·0	120	1·8	110	1·9	110	1·6	110	2·2	110	2·1	100	2·6
8	---	0·0	---	0·0	320	0·9	330	1·0	320	1·5	320	1·5	320	1·5	300	1·0	60	1·1	70	1·5	80	2·0	60	2·4
9	320	1·5	320	2·2	310	2·1	320	2·3	320	1·8	320	1·7	310	1·6	300	1·1	40	1·1	40	2·6	60	2·9	60	3·2
10	320	0·8	320	1·4	320	1·8	320	1·3	320	1·5	310	1·6	310	1·9	310	1·5	310	1·4	90	0·7	90	1·5	80	1·9
11	---	0·0	320	0·2	310	0·5	310	0·5	310	0·7	320	0·5	---	0·0	110	1·4	120	1·9	130	2·4	150	3·5	170	4·3
12	170	6·4	190	3·6	190	2·8	190	3·3	180	3·2	180	3·0	180	2·1	170	1·1	170	2·1	180	1·1	160	0·2	---	0·0
13	350	0·1	350	0·1	---	0·0	350	0·1	320	0·1	30	0·4	40	0·7	60	1·2	90	1·1	90	1·1	110	1·2	130	1·3
14	190	1·3	220	1·0	230	1·5	300	0·2	270	1·5	270	0·5	250	2·5	260	1·6	170	0·5	140	2·0	160	3·7	160	3·9
15	180	4·0	180	2·9	190	4·0	190	1·3	170	0·7	180	4·0	170	4·8	160	4·3	160	6·5	160	6·6	160	8·0	170	7·3
16	90	1·0	120	2·7	130	2·6	140	3·7	140	4·3	140	4·3	140	4·5	160	4·9	140	4·5	150	4·8	140	6·5	130	7·2
17	140	1·7	130	3·9	130	4·4	130	4·0	130	3·7	140	2·1	130	5·2	140	5·6	140	4·8	140	4·8	130	3·8	120	2·8
18	170	0·3	120	0·1	---	0·0	---	0·0	20	0·1	---	0·0	30	0·3	10	0·6	50	0·5	50	0·6	70	0·7	80	1·0
19	350	1·1	350	2·0	340	1·8	330	1·1	340	0·1	---	0·0	360	0·1	330	0·2	110	0·2	130	1·2	130	2·4	130	2·0
20	350	5·3	350	4·2	350	4·2	350	4·7	350	3·6	350	4·6	350	4·6	350	6·5	340	6·6	360	6·6	360	6·5	350	6·6
21	340	4·1	330	3·3	320	3·5	330	4·2	330	5·9	320	4·5	340	5·8	340	7·1	340	7·2	360	6·2	360	6·0	360	6·8
22	---	0·0	220	0·1	210	0·1	200	0·1	190	0·3	180	1·3	210	2·1	180	3·8	180	4·5	190	3·8	180	4·1	170	3·0
23	360	1·7	350	1·9	320	1·1	310	2·0	320	2·0	350	1·9	360	2·1	350	2·5	40	2·9	50	2·1	70	3·3	70	3·1
24	320	1·2	330	1·1	320	1·8	320	1·9	320	2·3	340	2·8	340	4·3	360	4·2	10	4·5	20	4·9	50	6·0	50	5·0
25	350	2·3	360	2·5	10	2·3	10	2·5	20	3·1	40	3·6	40	3·3	40	2·7	50	3·0	50	2·5	40	2·3	50	2·2
26	330	0·4	---	0·0	30	0·1	40	0·1	---	0·0	320	0·2	310	0·1	70	0·5	80	0·9	90	1·5	90	1·5	100	1·5
27	330	5·0	340	5·9	340	4·6	340	3·8	350	4·0	350	5·6	360	4·4	350	5·7	360	4·9	360	5·6	360	4·9	10	5·5
28	350	3·8	340	4·2	330	3·4	330	2·9	330	2·7	330	4·2	310	4·8	320	4·2	300	3·6	280	2·4	290	2·3	280	3·7
29	270	4·1	270	4·9	280	3·1	340	2·8	300	1·5	290	3·2	300	6·4	310	6·9	310	7·0	320	7·6	310	8·0	330	7·3
30	340	2·5	350	2·9	340	3·1	320	2·5	340	3·2	340	4·0	360	5·6	360	5·2	350	5·4	350	5·1	350	5·8	360	6·1
31	310	2·1	300	1·8	310	2·6	310	3·1	320	3·5	320	5·4	330	4·6	330	6·0	340	6·7	340	5·9	330	6·1	340	6·5
Mean	---	2·0	---	2·0	---	2·0	---	1·9	---	1·9	---	2·3	---	2·7	---	2·9	---	3·1	---	3·2	---	3·6	---	3·8

144 ABERDEEN: H_a = 24 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	250	0·1	310	0·8	310	0·5	310	0·1	320	0·2	---	0·0	---	0·0	120	0·9	120	3·0	160	2·9	170	4·4	180	4·0
2	310	1·1	310	1·6	320	0·5	350	0·6	330	0·8	330	1·4	10	1·1	360	1·6	20	2·1	70	3·2	80	3·7	70	3·1
3	310	1·2	310	1·4	310	1·5	310	1·4	320	1·7	330	2·8	350	3·3	360	4·1	20	4·0	50	4·0	60	5·0	60	6·0
4	340	4·2	340	4·2	340	3·6	340	3·6	330	2·8	340	4·0	350	4·0	20	5·4	360	5·0	360	5·5	350	6·3	360	5·6
5	320	1·1	320	1·5	310	1·6	310	1·3	310	0·9	310	0·2	230	0·4	200	0·9	170	1·6	170	3·3	180	4·5	170	5·4
6	190	2·8	210	3·0	210	3·1	230	2·3	220	3·5	220	2·4	240	0·6	310	3·3	300	4·4	300	3·7	270	2·4	150	3·0
7	270	3·6	270	2·5	210	2·0	240	1·5	220	0·5	270	1·5	280	3·1	290	4·7	310	4·8	330	4·8	340	3·2	340	3·3
8	270	0·4	280	0·3	320	0·2	---	0·0	310	0·2	300	1·1	280	1·1	280	1·4	220	1·5	190	2·3	170	1·2	170	3·5
9	230	0·8	220	0·4	---	0·0	320	0·1	---	0·0	190	0·5	200	0·5	210	0·1	100	0·3	110	1·1	170	2·2	130	2·9
10	320	2·6	340	4·0	340	3·9	330	2·0	320	2·6	320	4·0	320	5·6	330	5·9	330	5·8	320	4·5	320	4·2	330	3·3
11	220	1·5	220	0·3	180	0·2	180	0·3	170	0·3	170	1·8	180	4·4	170	4·9	170	4·6	170	4·6	170	5·4	170	6·2
12	330	0·2	---	0·0	320	0·7	340	1·1	330	2·9	310	2·5	340	1·8	330	2·7	330	3·0	330	3·5	340	3·2	350	3·2
13	310	0·9	310	0·8	310	1·3	310	0·7	310	0·5	310	0·9	310	0·4	310	0·5	90	0·5	110	1·5	120	2·3	120	2·1
14	180	0·2	---	0·0	190	0·1	190	0·5	190	2·2	180	2·7	190	3·0	180	5·0	180	4·8	170	5·2	170	5·7	180	5·5
15	310	(1·1)	300	(1·0)	320	(1·9)	300	1·7	290	2·5	290	4·0	310	4·1	310	3·3	320	2·7	340	3·3	330	2·5	350	1·9
16	240	0·6	230	0·3	260	0·1	---	0·0	210	0·1	220	0·5	200	1·7	220	2·5	190	3·0	170	3·6	180	3·7	160	3·6
17	180	0·5	190	3·6	180	3·0	180	2·1	180	2·6	180	3·5	190	3·1	190	3·8	180	3·7	170	4·7	180	5·0	180	4·8
18	---	0·0	---	0·0	---	0·0	320	0·4	310	0·1	310	0·3	---	0·0	---	0·0	100	0·4	90	0·9	110	1·4	110	2·0
19	---	0·0	---	0·0	330	0·3	330	0·1	310	0·1	320	0·1	---	0·0	80	0·1	90	0·3	120	0·8	120	1·3	110	1·5
20	150	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	100	0·1	110	0·6	110	1·1	110	1·5	110	1·5	110	2·0
21	320	0·4	320	0·5	320	1·0	320	0·9	320	0·1	320	0·6	---	0·0	90	0·1	90	0·5	100	0·7	110	1·0	90	1·2
22	330	0·2	330	0·4	330	1·0	320	1·0	320	1·0	320	1·2	320	0·4	60	0·2	80	0·5	90	0·8	70	1·0	90	2·0
23	70	0·2	60	0·1	---	0·0	60	0·1	60	0·1	70	0·2	70	0·3	130	1·9	180	2·3	190	2·1	180	3·1	170	3·8
24	220	1·1	230	0·4	310	1·0	330	0·1	310	0·8	310	2·9	310	3·3	330	2·6	340	3·4	350	3·1	360	2·9	360	3·2
25	330	2·3	350	1·5	350	2·0	350	1·9	350	2·2	350	2·0	360	2·0	350	1·6	340	1·5	350	1·3	90	2·0	90	2·1
26	---	0·0	...	...	320	0·5	320	0·5	320	0·5	330	0·2	320	0·1	70	0·1	100	0·8	120	1·1	110	1·4	110	2·0
27	320	0·7	320	0·9	310	0·5	310	1·0	320	1·3	310	0·8	---	0·0	80	0·3	110	0·5	90	1·0	100	1·1	120	1·9
28	160	0·6	160	1·6	170	2·6	170	2·1	170	1·9	170	1·7	170	2·6	190	3·9	170	3·3	170	4·4	160	4·3	170	4·7
29	170	2·4	170	1·8	170	1·7	170	2·0	160	2·1	150	3·0	150	3·1	140	3·1	140	3·2	130	2·9	130	3·4	130	3·3
30	10	0·3	10	0·4	350	0·4	350	1·7	360	2·5	360	1·5	350	1·6	10	3·0	40	2·8	60	1·8	100	2·7	110	2·6
Mean	---	1·0	---	1·1	---	1·2	---	1·0	---	1·2	---	1·3	---	1·7	---	2·3	---	2·5	---	2·8	---	3·1	---	3·3
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 24 metres + 13 metres

MAY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
90	2·6	120	2·8	120	2·7	120	2·3	170	2·1	170	3·8	170	4·9	190	3·1	200	3·1	210	2·0	210	1·5	230	0·4	1·8	1
150	3·9	170	4·0	180	4·3	180	4·3	190	5·4	200	5·2	180	3·8	190	2·9	190	4·6	200	4·2	200	3·3	190	3·1	2·5	2
170	5·5	170	6·2	170	5·6	170	5·8	180	5·0	180	4·6	180	4·6	170	4·4	170	4·3	170	3·9	170	3·2	180	2·3	3·7	3
50	1·4	60	2·0	70	1·8	80	1·4	100	1·2	120	1·5	110	0·9	120	1·5	120	1·8	110	2·1	120	2·8	120	3·0	1·4	4
120	5·0	130	5·4	130	5·9	130	5·1	130	4·2	120	3·7	120	3·2	110	3·7	110	3·1	110	2·7	120	2·9	110	2·2	3·4	5
90	2·5	80	2·4	80	1·6	80	1·2	80	2·2	70	2·1	70	1·5	70	1·4	60	1·0	50	0·6	50	1·0	60	1·1	2·0	6
100	2·9	100	2·8	100	2·7	90	2·3	80	2·1	80	1·5	80	1·1	90	0·5	90	0·7	100	0·4	90	0·1	---	0·0	1·5	7
70	2·0	60	2·5	60	2·3	60	2·5	60	2·0	60	2·4	60	2·3	70	1·4	40	0·8	30	0·5	340	0·6	340	1·0	1·4	8
60	3·2	60	3·2	60	3·0	60	2·4	60	2·5	50	2·0	30	1·3	30	0·8	360	0·6	360	0·5	330	0·7	330	0·7	1·9	9
70	1·8	70	1·9	90	1·5	80	1·9	90	0·6	100	0·1	110	0·4	110	0·3	110	0·1	---	0·0	---	0·0	---	0·0	1·1	10
170	3·6	160	4·3	170	4·0	170	3·4	140	2·8	160	3·0	170	4·3	180	4·4	180	3·6	180	4·2	180	4·6	180	5·6	2·7	11
---	0·0	---	0·0	310	0·3	330	0·5	350	0·2	50	0·5	70	0·3	40	0·1	---	0·0	---	0·0	---	0·0	350	0·1	1·3	12
130	1·7	160	2·6	180	4·6	170	4·3	190	3·9	190	5·0	200	3·3	200	2·4	180	1·7	190	1·4	210	1·2	210	0·3	1·7	13
170	5·4	170	6·9	170	6·2	170	6·6	180	6·9	170	5·0	170	5·2	160	5·2	160	3·7	160	5·9	160	5·2	170	5·5	3·7	14
180	5·3	170	4·9	160	3·3	170	3·5	160	4·8	170	3·7	170	2·5	150	1·5	110	0·2	110	0·2	70	0·5	80	1·1	3·6	15
130	7·2	130	8·2	130	7·7	140	6·7	140	6·0	140	6·0	140	5·6	150	4·6	160	3·8	150	4·1	140	5·6	130	5·3	5·1	16
120	3·8	120	4·0	120	3·4	120	3·1	130	3·8	130	3·8	140	2·9	140	2·5	140	1·2	150	2·0	160	2·2	170	2·2	3·4	17
70	1·6	90	1·8	70	1·5	60	1·7	40	2·5	350	3·6	350	4·1	350	3·7	350	2·8	330	2·4	330	2·0	330	0·6	1·4	18
130	2·5	160	2·0	160	1·4	100	2·0	110	0·2	90	0·4	---	0·0	40	0·2	350	1·0	350	3·0	350	3·8	350	5·6	1·4	19
350	6·5	360	6·1	360	6·2	360	7·0	360	6·8	350	7·1	350	6·9	340	5·9	340	5·0	350	3·4	340	4·6	340	4·8	5·6	20
360	6·6	360	6·9	360	6·6	360	6·0	360	6·0	360	4·6	360	3·4	20	0·7	350	1·1	330	0·2	300	0·1	---	0·0	4·5	21
140	2·4	120	3·5	120	4·3	110	4·6	110	2·8	90	1·6	80	1·7	60	0·8	50	1·0	40	1·6	360	1·0	360	1·2	2·1	22
60	3·6	50	3·3	60	4·6	60	5·1	50	4·9	40	3·9	10	3·5	10	2·6	360	2·4	10	2·5	360	2·4	350	2·1	2·8	23
50	4·6	50	5·0	40	6·6	40	5·9	50	5·4	40	4·3	30	3·1	10	2·7	360	1·9	360	1·5	10	1·9	360	2·0	3·5	24
40	2·3	50	2·3	50	1·3	50	1·9	60	1·9	50	1·4	50	0·4	40	0·4	40	0·2	20	0·1	---	0·0	320	0·2	1·9	25
100	1·9	110	2·3	110	2·0	110	1·9	110	2·0	110	1·5	90	0·1	---	0·0	---	0·0	340	3·8	330	4·6	320	6·1	1·4	26
360	5·8	360	6·1	360	6·2	360	6·3	360	6·3	360	6·5	350	5·8	360	3·9	340	4·1	340	3·9	350	2·9	350	3·6	5·1	27
300	2·7	300	3·8	290	4·8	280	3·1	240	1·2	220	2·0	230	1·5	230	1·4	210	0·7	270	3·1	260	3·5	270	3·6	3·1	28
340	7·9	330	7·2	340	7·4	340	8·5	330	8·6	330	8·6	340	7·6	360	5·3	360	3·2	360	2·5	330	1·7	330	2·3	5·6	29
360	5·5	350	5·9	340	6·6	340	6·7	350	5·6	350	4·6	360	4·4	330	3·8	330	3·9	320	3·1	320	3·0	320	3·5	4·5	30
330	5·0	340	4·8	340	4·6	360	4·2	350	3·6	350	3·3	340	2·3	320	1·4	310	0·3	290	0·3	320	1·1	290	0·6	3·6	31
---	3·8	---	4·0	---	4·0	---	3·9	---	3·7	---	3·5	---	3·0	---	2·4	---	2·0	---	2·1	---	2·2	---	2·3	2·9	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
160	1·5	150	2·6	220	0·5	120	0·6	150	2·0	150	1·5	160	1·4	130	1·2	140	0·2	320	0·1	320	0·8	320	1·0	1·3	1
60	1·9	70	2·9	80	3·5	80	3·5	80	3·0	60	2·4	60	2·9	60	1·6	50	0·6	360	0·2	350	1·0	310	1·1	1·9	2
50	5·1	50	5·7	50	5·7	50	6·1	50	5·1	40	5·0	40	5·0	20	3·9	360	2·3	350	3·2	350	3·0	350	3·8	3·8	3
350	5·5	360	5·4	350	5·2	350	5·9	360	5·1	360	4·4	360	4·1	360	3·0	350	2·0	330	1·0	320	1·6	310	1·2	4·1	4
170	5·6	180	6·6	180	6·0	190	6·3	190	4·4	170	1·9	250	1·4	230	0·8	240	3·0	230	3·0	220	3·6	200	2·5	2·8	5
120	2·0	130	2·2	130	1·3	290	5·0	300	6·5	320	5·0	300	4·3	310	3·0	300	2·7	270	2·4	280	3·5	280	3·5	3·2	6
340	1·3	130	2·0	140	2·1	140	1·2	170	1·1	190	0·9	190	0·2	---	0·0	230	0·2	230	0·6	240	1·3	290	1·3	2·0	7
170	5·0	170	4·9	180	4·1	180	1·5	230	0·7	---	0·0	210	0·8	300	2·9	300	3·0	300	1·1	280	0·4	260	0·9	1·6	8
150	2·1	280	3·9	280	6·2	260	4·5	260	3·1	270	2·2	250	1·2	270	1·4	280	1·5	320	0·1	330	1·6	330	1·5	1·6	9
330	3·0	330	2·7	160	3·5	170	3·5	160	3·2	160	2·7	180	2·8	170	2·0	180	1·7	200	2·0	210	1·5	210	1·9	3·3	10
180	6·9	170	6·7	180	7·0	180	6·0	190	5·1	190	4·5	180	3·7	180	3·2	190	2·6	200	0·4	340	0·4	360	0·9	3·4	11
10	3·4	360	3·5	360	3·6	10	3·7	10	3·6	360	3·0	10	2·5	360	1·6	350	0·2	320	0·1	310	0·5	310	1·5	2·2	12
120	2·3	120	2·0	120	2·8	110	2·9	130	3·3	130	3·0	150	2·5	150	2·5	180	2·1	170	0·9	170	0·9	190	0·5	1·6	13
180	6·0	180	6·0	180	5·9	190	5·8	180	4·4	180	4·9	180	3·1	180	1·6	190	3·0	210	1·4	230	(1·0)	340	(0·7)	3·3	14
150	2·8	150	0·6	150	2·0	140	3·0	150	3·3	170	2·0	120	1·3	100	0·4	320	0·5	320	0·4	280	1·1	260	1·9	2·1	15
170	3·7	180	1·5	180	1·5	180	1·8	170	2·6	130	1·3	180	3·6	190	3·1	180	2·7	180	2·3	190	2·3	200	0·5	1·9	16
180	3·9	200	2·9	180	3·8	170	3·9	180	3·5	170	3·6	180	3·3	190	2·2	200	1·1	200	1·0	210	0·3	240	0·1	2·9	17
120	2·7	90	2·6	130	3·1	130	3·4	130	2·7	110	1·4	120	0·7	160	0·3	180	0·1	70	0·2	---	0·0	---	0·0	0·9	18
110	1·8	120	2·4	110	2·3	110	2·2	130	2·0	160	2·0	150	1·5	120	1·1	150	1·0	160	0·5	170	0·3	160	0·2	0·9	19
110	1·7	110	2·1	110	1·9	100	1·5	90	1·2	60	1·0	60	0·9	40	0·1	---	0·0	---	0·0	---	0·0	320	0·1	0·7	20
90	1·0	80	2·1	70	2·0	70	1·7	70	1·6	70	1·4	80	0·4	70	0·1	---	0·0	---	0·0	20	0·1	350	0·1	0·7	21
80	2·0	70	1·7	60	2·1	60	2·0	50	1·9	50	1·9	50	2·2	50	1·6	40	1·2	50	1·2	70	0·5	50	0·1	1·2	22
170	4·0	160	3·8	170	4·7	170	4·5	180	4·0	180	4·5	190	4·0	190	4·3	200	3·3	210	3·1	220	2·1	220	2·0	2·4	23
360	4·0	360	3·7	70	2·2	80	1·8	70	2·1	50	1·8	50	1·6	40	0·3	360	0·5	360	1·2	340	1·7	340	2·1	2·0	24
90	2·1	80	2·5	110	2·5	100	2·5	100	1·6	90	0·8	90	0·2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	1·4	25
120	2·4	120	1·9	120	1·5	100	1·5	90	1·0	100	0·5	90	0·2	80	0·7	40	0·3	30	0·3	---	0·0	320	0·3	0·8	26
120	2·0	120	2·3	110	2·3	100	2·1	120	1·9	120	2·1	120	1·6	100	0·4	130	0·4	150	1·0	150	1·5	150	1·2	1·2	27
170	5·6	170	4·8	170	5·1	170	5·3	170	4·9	170	4·9	170	3·6	180	3·3	170	2·1	170	1·5	170	1·9	170	2·5	3·3	28
120	2·9	120	3·0	110	2·2	100	1·8	110	1·5	110	1·6	110	1·3	110	0·7	90	0·5	80	0·4	60	0·1	60	0·2	2·0	29
110	2·6	130	3·2	150	3·5	180	5·3	190	5·9	180	4·7	180	4·2	180	3·0	170	2·5	180	1·9	170	1·4	160	1·3	2·5	30
---	3·2	---	3·3	---	3·3	---	3·4	---	3·1	---	2·6	---	2·2	---	1·7	---	1·4	---	1·1	---	1·1	---	1·2	2·1	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

145 ABERDEEN: Dines Pressure Tube Anemometer

H_a (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	160	0·7	170	0·2	180	0·1	---	0·0	---	0·0	---	0·0	150	0·3	120	0·8	150	1·1	120	1·6	130	2·5	160	3·0
2	80	1·2	90	0·9	110	1·4	110	1·2	100	0·2	90	0·4	100	1·0	120	0·8	150	2·2	120	3·4	140	3·0	130	2·5
3	---	0·0	---	0·0	---	0·0	320	0·1	320	0·1	70	0·1	90	0·1	110	0·2	120	0·5	110	1·6	120	2·3	120	2·4
4	210	0·2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	120	0·3	140	1·3	140	2·0	140	2·2	130	2·6	200	4·2
5	210	0·8	230	0·1	300	0·7	250	0·2	270	0·2	---	0·0	260	0·8	240	3·0	230	3·6	220	3·4	210	4·0	230	4·6
6	---	0·0	220	0·4	220	0·5	220	0·9	230	0·9	260	1·6	280	1·4	250	2·3	220	1·9	210	1·7	170	3·8	170	5·5
7	---	0·0	---	0·0	120	0·2	120	0·4	120	0·6	120	0·1	110	0·5	60	0·3	40	0·8	40	1·0	50	0·4	110	1·2
8	---	0·0	---	0·0	340	0·3	340	0·4	340	0·1	310	2·4	320	3·1	310	2·5	310	3·0	310	2·9	300	3·4	300	5·1
9	230	0·5	250	0·4	270	2·0	260	1·2	300	1·9	310	2·3	290	3·5	300	2·8	310	1·5	130	1·4	130	2·2	130	2·5
10	---	0·0	---	0·0	330	0·1	330	0·1	310	1·1	320	2·3	320	3·1	330	4·9	330	5·3	330	5·7	340	5·1	360	4·9
11	330	5·5	330	6·7	330	6·1	330	5·5	330	5·6	330	5·9	330	7·0	330	7·2	330	7·2	320	6·3	320	6·0	320	7·0
12	320	3·9	310	2·5	310	3·0	290	3·4	300	2·4	280	3·0	270	1·5	250	3·3	260	4·6	250	3·5	260	3·5	230	2·0
13	160	0·2	---	0·0	130	1·5	160	1·5	150	1·8	120	0·2	120	0·3	100	1·0	120	1·8	130	1·9	120	0·9	100	1·2
14	310	1·0	290	2·2	290	2·7	290	4·4	280	3·8	280	5·0	270	4·4	280	5·4	280	5·0	270	4·1	280	4·1	280	4·1
15	310	1·2	---	0·0	230	0·1	240	0·3	300	0·1	---	0·0	280	0·5	280	0·9	280	0·1	120	0·5	120	2·3	120	2·5
16	280	2·0	290	1·9	290	2·0	270	1·8	250	1·0	280	2·5	270	2·5	290	3·5	300	4·0	300	3·6	290	2·6	260	3·0
17	270	0·1	---	0·0	---	0·0	210	0·1	220	0·3	220	0·2	250	0·2	210	1·0	180	1·2	190	1·7	170	2·4	130	2·6
18	90	2·6	80	3·5	90	4·1	100	2·7	100	2·9	110	3·6	120	4·2	120	3·2	120	3·0	120	2·8	130	2·6	130	4·1
19	110	0·3	120	0·2	120	0·3	110	0·2	130	0·1	---	0·0	320	0·1	80	0·1	---	0·0	---	0·0	70	0·9	90	1·9
20	330	1·8	330	2·9	330	3·5	330	4·1	330	5·0	330	5·0	330	(4·7)	330	5·3	320	6·0	310	6·5	310	6·5	310	6·0
21	340	3·2	340	4·0	320	4·0	320	5·1	320	6·8	320	5·9	330	7·3	330	7·3	330	6·8	330	6·4	330	5·3	330	5·3
22	330	1·9	330	1·8	320	1·1	320	1·9	310	1·8	320	2·1	320	3·0	320	4·0	310	3·6	330	4·0	340	3·5	320	3·6
23	160	0·6	---	0·0	---	0·0	---	0·0	120	0·7	120	3·0	120	3·9	120	5·0	120	5·1	120	5·1	120	5·2	120	6·0
24	180	4·1	170	4·7	160	4·2	160	4·8	160	6·1	160	7·1	160	8·5	160	8·0	160	8·2	160	8·1	160	8·8	160	7·9
25	180	5·0	180	6·0	180	7·0	190	5·9	190	5·0	190	5·4	190	6·6	190	7·2	180	7·0	190	6·8	180	9·0	180	9·5
26	200	3·3	210	3·5	210	2·7	200	2·3	200	2·0	210	2·5	200	1·4	200	1·3	210	0·5	250	3·0	250	3·0	260	2·0
27	310	0·4	250	0·2	290	0·7	290	0·4	290	0·1	330	0·1	260	1·7	260	1·6	160	2·0	160	2·7	160	3·9	150	4·9
28	---	0·0	310	0·7	310	1·4	310	1·2	310	0·6	310	1·5	320	1·1	120	0·7	100	1·6	100	1·9	120	3·5	120	3·3
29	310	2·5	310	3·0	310	3·0	300	3·9	300	3·9	300	3·2	320	3·2	340	4·2	340	4·3	330	4·3	330	4·5	330	4·7
30	220	2·6	240	3·0	250	3·3	270	3·7	270	4·6	290	3·7	280	3·5	280	6·1	280	5·6	280	7·4	250	4·9	220	3·1
31	190	2·7	200	3·0	170	3·5	200	3·5	200	1·6	210	1·0	260	1·5	280	3·1	290	5·9	300	6·6	310	8·1	300	7·3
Mean	---	1·6	---	1·7	---	1·9	---	2·0	---	2·0	---	2·3	---	2·6	---	3·2	---	3·4	---	3·6	---	3·9	---	4·1

146 ABERDEEN: H_a = 24 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	300	2·1	310	1·4	300	0·6	280	1·4	260	1·3	270	2·0	290	2·0	290	3·0	270	2·0	280	0·9	220	1·5	120	1·5
2	230	0·3	190	0·5	200	1·9	180	2·0	180	4·2	170	3·7	170	5·0	160	6·0	170	6·7	160	6·8	160	6·3	160	6·0
3	290	8·4	280	6·6	280	7·3	270	7·3	280	7·6	280	9·5	290	11·5	290	10·2	300	10·7	300	9·0	300	8·7	300	8·1
4	300	5·3	310	5·3	300	4·5	320	3·9	300	4·3	290	4·5	290	4·3	300	6·1	300	6·8	300	7·2	300	6·7	300	7·2
5	310	2·9	310	3·6	290	2·0	290	2·4	280	2·6	290	3·3	300	2·7	300	4·2	320	4·6	310	3·9	320	3·7	320	3·9
6	...	...	---	0·0	...	...	---	0·0	330	0·3	110	0·6	110	1·7	120	1·8	110	1·5	120	2·5	120	2·2	110	2·5
7	300	2·0	310	1·4	300	1·4	310	1·6	310	2·0	310	2·1	310	0·8	320	0·1	170	0·8	180	1·2	170	1·9	160	3·4
8	220	2·0	220	1·9	220	3·0	180	2·1	160	1·0	200	2·1	210	3·7	190	3·2	190	3·6	210	5·2	220	4·8	200	5·4
9	270	0·2	40	0·6	40	0·4	20	0·4	20	0·5	340	0·2	330	0·6	90	0·7	20	0·5	360	1·8	20	1·1	360	1·4
10	...	...	---	0·0	---	0·0	---	0·0	300	0·1	310	2·0	290	0·6	340	0·3	70	0·9	50	1·3	60	1·3	70	1·4
11	310	0·1	310	0·8	310	1·1	310	1·0	320	1·2	320	0·9	320	0·7	110	0·1	180	1·4	180	3·3	170	4·3	180	4·8
12	200	2·8	210	1·9	270	0·2	140	0·6	150	1·5	140	1·7	170	1·1	150	1·1	120	1·3	110	1·1	100	1·1	70	1·1
13	290	2·7	280	2·2	270	1·1	280	1·4	320	0·8	70	0·1	320	0·4	320	0·1	120	1·4	120	2·0	150	2·3	140	2·8
14	210	2·1	160	1·0	180	1·2	180	1·7	190	2·2	180	2·4	180	2·1	190	3·7	180	4·0	170	3·7	160	4·6	170	5·1
15	190	0·6	---	0·0	200	0·4	190	1·0	220	1·7	220	1·1	110	0·2	200	1·8	200	1·8	190	2·9	180	3·1	170	4·2
16	310	0·3	300	0·1	220	0·4	310	1·2	300	1·7	320	0·3	310	0·4	320	0·9	120	0·6	100	1·5	110	2·0	110	2·5
17	210	2·3	190	0·9	190	2·6	210	1·9	200	1·6	170	2·5	200	3·7	190	2·9	180	4·2	180	6·2	180	7·0	180	6·8
18	240	2·8	230	2·1	220	1·8	230	1·8	230	2·8	220	2·5	210	1·9	210	3·6	210	6·4	230	6·5	240	7·3	230	7·3
19	220	2·0	220	1·5	230	1·8	220	2·2	230	3·4	220	3·4	220	1·9	210	1·3	270	1·1	170	3·0	170	4·2	180	4·3
20	210	0·9	310	0·9	310	1·5	320	1·4	240	0·5	230	0·3	180	1·0	180	1·1	190	1·9	180	3·4	180	3·6	190	3·7
21	240	0·5	280	1·8	280	3·6	250	2·1	230	1·5	220	1·8	220	1·5	230	2·9	250	4·2	280	5·4	280	6·0	290	5·5
22	270	0·6	270	1·9	280	3·2	280	2·5	300	2·0	300	2·2	290	3·5	290	3·3	300	4·5	300	4·8	310	3·5	310	4·5
23	210	1·5	210	2·5	210	3·2	210	3·4	210	4·4	190	1·5	100	1·0	230	2·9	230	2·5	220	3·6	220	5·5	240	6·2
24	240	0·3	200	0·1	330	0·2	330	0·2	310	0·6	300	0·9	250	2·5	240	2·0	280	3·5	280	4·4	240	3·3	190	2·4
25	220	1·4	190	1·5	180	0·2	300	4·2	300	3·7	310	4·6	330	4·5	330	5·0	340	4·8	330	3·9	330	3·4	330	3·0
26	160	1·4	170	1·9	170	1·5	190	2·8	190	2·8	190	2·4	190	3·1	190	4·0	190	4·3	160	5·1	160	4·4	160	3·9
27	190	0·2	220	0·2	200	0·4	230	0·1	300	0·6	310	1·4	300	0·6	310	0·8	160	0·7	160	2·6	170	4·0	170	5·0
28	300	0·5	300	1·1	300	1·6	310	0·6	310	1·2	300	1·1	320	1·1	300	1·6	310	1·3	70	0·6	110	1·5	110	1·8
29	300	1·2	310	0·6	270	1·0	260	0·2	220	0·2	320	1·5	320	0·9	310	0·2	110	0·9	120	1·8	80	1·5	90	0·9
30	260	4·0	230	1·9	190	1·9	240	1·5	280	5·9	270	4·1	270	4·5	280	5·1	270	4·7	270	5·5	280	6·4	280	6·7
31	280	2·7	280	2·9	300	6·1	300	3·9	300	4·5	290	3·6	290	4·4	300	5·4	300	7·3	300	6·8	300	5·1	300	5·3
Mean	---	1·8	---	1·6	---	1·8	---	1·8	---	2·2	---	2·3	---	2·4	---	2·8	---	3·3	---	3·8	---	3·9	---	4·1
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 24 metres + 13 metres

JULY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
120	3·3	130	3·1	140	2·6	120	1·5	110	0·1	80	0·2	90	0·4	100	0·8	110	0·3	100	1·0	90	2·0	90	1·4	1·1	1
130	3·0	120	2·8	120	2·8	120	2·0	120	1·6	110	0·5	110	0·7	110	0·9	80	0·3	80	0·1	---	0·0	---	0·0	1·4	2
120	3·3	120	3·1	120	3·2	120	2·6	150	2·3	160	1·5	160	1·5	170	2·0	190	2·0	190	1·4	190	0·8	210	0·6	1·3	3
190	4·6	210	4·7	220	5·2	230	4·4	220	5·3	240	5·2	220	5·3	220	3·5	220	2·0	220	0·5	240	2·0	250	2·2	2·4	4
220	5·0	220	5·5	220	5·5	260	4·0	240	4·1	260	3·2	280	4·0	290	2·5	40	0·3	---	0·0	---	0·0	210	0·1	2·3	5
170	5·9	180	6·0	180	5·5	190	3·8	170	4·6	170	4·0	140	2·0	130	1·0	60	0·5	90	0·3	120	0·2	---	0·0	2·3	6
130	2·1	140	3·2	160	4·5	180	3·8	180	3·5	170	3·9	180	3·4	180	3·4	170	3·0	170	0·2	160	0·1	---	0·0	1·5	7
300	5·2	310	5·5	310	4·6	320	3·5	320	2·3	310	2·0	290	0·1	280	1·4	290	2·3	310	1·5	300	0·1	270	0·9	2·2	8
140	3·5	150	2·6	140	3·5	120	2·8	120	2·1	120	1·7	110	0·7	120	0·1	130	0·1	---	0·0	---	0·0	320	0·1	1·6	9
350	5·0	360	5·0	360	5·0	360	5·0	360	5·1	360	5·1	360	4·0	350	4·9	340	3·9	330	4·5	340	4·6	330	5·3	3·7	10
310	6·8	320	6·3	330	4·0	330	2·5	340	3·2	330	3·3	320	3·5	330	3·1	340	3·8	320	4·3	330	3·7	320	3·9	5·2	11
180	3·0	170	4·9	180	6·3	170	4·9	180	4·4	180	4·1	170	3·8	180	1·6	180	0·7	190	2·0	160	0·9	130	0·1	3·1	12
80	1·4	70	1·7	60	1·7	70	1·8	70	1·5	60	1·2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	310	0·5	0·9	13
300	4·0	290	4·1	300	3·7	290	3·5	290	3·0	280	2·4	280	2·5	290	2·1	270	0·9	210	0·2	220	0·6	240	0·5	3·1	14
110	2·8	160	1·6	150	2·7	140	1·1	---	0·0	270	1·0	220	1·0	260	1·5	310	1·0	270	0·5	280	1·7	280	0·9	1·0	15
300	2·0	270	2·4	20	0·4	50	1·7	50	0·5	60	0·6	40	1·0	40	0·1	320	3·0	310	3·0	310	2·0	310	0·6	2·0	16
120	2·5	120	2·9	120	3·0	130	3·0	130	2·5	120	1·9	120	1·5	110	1·9	110	1·5	110	2·0	120	3·4	110	2·9	1·6	17
130	3·7	140	2·6	160	3·3	150	2·6	150	1·1	150	1·5	160	1·6	150	1·3	130	1·0	130	0·9	100	0·5	90	0·4	2·5	18
90	1·5	---	0·0	---	0·0	---	0·0	50	0·3	360	0·5	360	1·6	360	0·9	340	1·3	340	2·0	330	1·8	340	1·9	0·7	19
310	6·5	320	7·5	310	8·0	310	7·4	330	9·2	330	9·6	340	8·6	330	6·9	330	7·0	340	7·0	340	4·8	340	3·5	6·0	20
330	6·1	330	6·0	330	5·9	350	5·2	360	5·1	360	4·8	360	4·2	360	2·3	360	1·5	330	0·4	330	1·0	330	1·7	4·7	21
330	3·0	320	2·5	90	2·0	120	2·0	110	2·0	110	1·9	120	1·8	120	1·9	120	0·6	140	0·6	160	0·9	160	0·9	2·2	22
130	6·9	130	6·8	120	6·1	110	7·0	100	7·6	120	7·4	120	6·9	120	6·7	120	6·3	140	3·8	170	3·5	180	2·9	4·4	23
170	9·5	170	9·2	170	8·7	180	9·0	180	8·1	180	8·1	170	7·3	180	6·4	180	6·0	180	5·0	180	6·2	180	6·1	7·1	24
190	7·4	210	5·3	210	7·8	210	7·3	200	5·7	190	5·3	180	5·3	190	5·0	190	4·2	190	3·5	190	3·4	190	3·5	6·0	25
290	2·3	300	0·9	180	0·2	160	0·5	120	1·1	170	2·0	180	1·5	340	0·2	320	0·9	360	0·7	---	0·0	290	0·4	1·6	26
160	5·0	160	5·0	160	5·5	170	5·4	170	4·8	160	4·4	160	4·1	160	4·0	160	2·8	170	1·4	160	0·4	170	0·5	2·6	27
120	3·5	110	2·8	110	2·4	90	2·2	80	2·1	70	2·3	50	1·5	30	1·3	360	0·4	320	1·0	320	1·0	310	2·0	1·7	28
330	4·0	340	4·8	340	4·6	340	4·9	340	3·3	340	3·9	320	3·0	300	1·6	280	1·2	270	1·1	260	2·0	240	2·8	3·4	29
210	4·3	220	3·8	250	4·3	250	5·4	240	3·3	230	4·4	210	4·0	200	3·4	200	3·7	200	3·8	200	4·0	190	2·6	4·1	30
300	6·6	310	6·2	300	4·9	320	4·4	330	4·4	140	2·5	120	2·1	130	1·4	---	0·0	---	0·0	210	0·1	240	0·9	3·4	31
---	4·3	---	4·2	---	4·1	---	3·7	---	3·4	---	3·2	---	2·9	---	2·4	---	2·0	---	1·7	---	1·7	---	1·6	2·8	

AUGUST, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
170	3·6	180	2·5	360	1·4	120	1·1	120	1·4	120	0·9	150	0·5	200	1·6	210	0·9	210	1·1	180	1·2	160	0·3	1·5	1
160	5·8	170	4·3	180	3·1	170	2·7	120	1·1	280	3·4	290	2·4	290	3·0	300	4·7	300	6·0	300	6·9	300	7·6	4·2	2
300	9·5	300	9·2	310	7·8	320	7·3	330	8·4	330	7·7	330	8·2	330	8·1	320	7·5	320	7·7	320	7·8	320	7·0	8·4	3
310	7·1	310	6·4	330	5·6	350	5·3	330	5·5	330	4·9	330	3·6	330	3·7	320	4·3	300	4·6	300	4·4	300	3·5	5·2	4
330	3·0	290	2·8	350	2·0	350	1·0	150	2·0	190	2·3	180	2·1	200	1·5	210	1·1	210	0·6	190	0·4	170	0·4	2·5	5
120	3·2	120	3·4	110	3·0	110	2·9	110	2·9	120	2·4	120	1·4	180	1·0	100	0·2	310	0·6	320	1·6	320	1·8	1·6	6
170	5·0	180	4·8	180	5·5	180	5·7	180	5·1	180	5·0	200	4·2	190	3·9	190	3·9	190	1·4	210	0·5	220	0·6	2·7	7
210	6·3	220	5·5	220	6·6	230	5·1	220	4·5	210	4·5	210	3·8	210	3·3	210	3·4	220	3·3	220	2·8	210	1·0	3·7	8
330	1·5	90	1·5	110	2·1	130	1·8	120	2·0	120	2·3	120	2·0	130	1·1	120	0·7	140	0·5	180	0·3	---	0·0	1·0	9
110	2·4	160	2·4	150	2·8	170	3·3	160	3·3	170	3·5	180	2·5	120	1·1	120	0·6	130	1·0	170	1·4	90	0·1	1·4	10
170	5·7	160	5·2	180	5·2	180	5·3	180	5·6	180	5·0	180	3·6	170	2·5	170	2·4	180	1·7	190	2·9	180	3·0	2·8	11
60	1·3	50	1·5	60	1·6	70	1·4	100	0·5	120	0·5	310	0·9	330	0·1	350	1·4	340	3·1	310	2·1	300	1·8	1·3	12
120	3·0	150	3·0	160	3·7	170	3·5	180	3·0	190	3·6	190	2·1	190	1·7	180	2·7	180	3·6	180	2·9	180	2·2	2·2	13
170	4·5	180	4·4	180	4·7	180	3·8	180	3·4	190	2·6	180	2·1	200	1·1	180	1·8	180	1·2	210	0·2	60	0·2	2·7	14
170	5·6	170	5·1	180	6·7	190	4·2	190	3·2	210	2·1	190	2·2	190	1·4	200	1·8	190	1·2	200	0·1	---	0·0	2·2	15
130	2·5	160	3·7	170	4·0	180	5·2	170	4·5	180	2·8	200	2·5	210	3·2	220	2·7	220	2·1	200	1·4	210	1·6	2·0	16
180	6·4	170	5·2	130	4·3	180	4·2	180	6·7	170	3·2	190	3·5	290	2·7	280	0·6	250	4·0	250	3·0	240	2·8	3·7	17
230	6·5	240	6·5	220	6·2	220	5·9	230	5·5	230	3·6	230	4·1	220	2·6	200	1·7	210	2·8	220	3·7	230	2·6	4·1	18
160	6·0	160	5·9	160	4·7	160	4·9	160	4·3	160	3·5	160	2·1	170	2·0	200	1·4	200	1·0	210	0·6	190	1·2	2·8	19
210	3·8	200	3·7	180	3·3	170	4·7	190	4·6	190	3·3	190	3·5	210	2·1	240	1·1	250	1·2	240	0·2	250	0·1	2·2	20
280	5·0	300	3·4	310	3·1	340	3·2	320	2·4	110	0·5	320	2·8	260	0·4	310	1·4	290	1·4	270	1·5	230	1·0	2·6	21
310	4·4	310	3·0	300	2·5	310	2·0	320	1·4	180	2·5	190	2·0	200	1·5	210	1·9	210	1·5	210	0·6	250	0·2	2·5	22
210	6·1	210	6·6	210	4·3	200	3·8	210	2·1	160	0·9	250	1·6	220	0·5	230	3·2	250	1·8	250	2·1	280	0·1	3·0	23
190	3·2	190	2·9	190	2·4	100	1·1	90	0·6	90	0·6	50	0·5	120	0·2	330	0·1	200	0·3	160	0·2	140	0·4	1·4	24
330	3·5	360	3·1	340	4·3	350	4·2	360	2·8	350	2·2	260	0·8	220	0·7	220	0·4	---	0·0	190	0·5	180	1·4	2·7	25
160	4·1	170	4·7	180	5·2	180	5·5	180	5·9	190	5·3	190	5·2	180	3·0	150	1·2	180	1·1	170	0·6	200	0·7	3·3	26
170	5·4	180	5·9	180	7·0	180	6·7	180	5·3	180	5·2	180	4·0	170	3·0	180	2·5	190	2·1	180	0·8	200	0·2	2·7	27
120	2·9	130	3·0	140	2·2	120	2·0	120	1·6	100	0·9	40	0·2	20	0·1	320	0·6	320	0·5	310	2·0	300	2·7	1·4	28
100	1·2	120	2·4	100	2·1	100	1·9	100	0·8	---	0·0	340	0·2	---	0·0	90	0·1	170	0·6	290	1·8	260	2·1	1·0	29
290	7·9	290	4·2	290	2·8	290	5·9	290	4·8	300	4·1	300	5·7	290	4·9	300	6·0	300	5·4	310	5·2	300	3·4	4·7	30
300	5·9	300	6·0	310	6·1	320	5·5	320	4·9	320	5·4	310	3·7	310	3·0	310	5·4	320	4·0	310	5·9	300	3·7	4·9	31
---	4·6	---	4·3	---	4·1	---	3·9	---	3·6	---	3·1	---	2·7	---	2·1	---	2·2	---	2·2	---	2·1	---	1·7	2·9	

12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

147 **ABERDEEN:** Dines Pressure Tube Anemometer H_a (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	300	3·0	280	3·2	280	3·0	300	2·3	260	1·6	300	2·9	270	2·0	290	2·6	290	3·6	330	4·3	340	2·5	340	2·4
2	120	2·7	120	3·2	120	3·4	120	4·5	120	4·6	120	4·8	120	5·0	120	4·6	120	5·0	120	4·3	110	4·5	110	3·9
3	120	3·8	120	5·9	120	5·2	130	5·1	130	5·2	130	4·2	140	5·0	140	4·9	140	4·3	140	4·5	130	4·3	130	4·5
4	150	3·5	140	2·4	150	1·5	110	1·4	120	1·1	150	0·6	210	0·5	240	1·4	210	1·2	180	1·2	180	2·6	180	4·2
5	170	2·4	180	1·7	170	1·5	170	2·6	190	1·7	180	1·4	170	2·0	190	2·1	190	2·0	190	3·0	160	3·9	170	3·8
6	210	2·2	220	2·0	220	2·0	240	2·0	250	0·9	240	0·8	220	1·4	210	1·7	140	0·6	250	1·5	230	1·3	310	2·6
7	160	5·4	160	5·3	150	6·1	150	6·5	150	6·5	150	6·5	170	5·1	180	3·0	210	1·9	300	3·4	300	2·8	300	1·1
8	300	2·6	40	3·9	60	4·0	60	3·0	60	3·5	40	5·0	30	4·0	30	4·0	30	3·1	40	3·6	40	4·0	50	3·1
9	220	1·1	220	1·4	210	1·4	230	0·6	...	...	210	0·1	160	0·1	160	1·2	170	3·7	170	4·7	170	4·6	170	5·5
10	180	6·1	180	5·7	170	4·6	180	3·9	190	3·6	180	4·0	170	4·3	180	4·9	180	4·0	180	4·0	170	5·6	180	5·1
11	180	4·0	180	4·1	180	4·6	170	4·3	180	3·5	180	4·0	180	4·2	180	4·4	180	4·0	170	5·0	170	5·7	170	5·5
12	160	4·5	170	5·2	170	6·1	170	5·6	160	5·4	160	5·0	160	5·7	170	7·0	160	7·4	170	6·9	170	6·3	170	5·8
13	320	1·0	310	1·5	300	2·1	310	1·5	310	1·4	300	1·9	300	1·5	310	0·9	170	0·1	160	0·3	120	1·9	120	3·0
14	---	0·0	320	0·4	320	0·1	200	0·1	180	0·5	210	0·1	330	0·1	90	0·2	90	0·4	120	0·2	270	0·3	340	0·4
15	340	3·1	340	3·0	350	2·9	340	3·5	350	3·2	330	3·5	340	4·0	330	4·1	340	4·5	340	4·1	340	3·6	360	3·1
16	340	1·2	340	1·2	20	1·1	40	1·6	40	1·4	340	0·6	320	0·6	310	1·3	310	1·9	330	0·9	60	1·6	50	2·5
17	---	0·0	---	0·0	20	0·3	10	0·5	10	0·6	20	0·5	30	0·1	60	0·3	110	0·5	110	1·0	90	1·8	100	1·6
18	170	0·1	290	0·1	310	0·6	310	0·1	310	0·5	310	0·2	310	1·0	310	1·5	310	1·1	290	1·1	350	0·8	40	1·2
19	320	0·5	320	1·5	320	1·5	330	1·0	320	0·2	340	0·4	330	0·2	---	0·0	---	0·0	340	0·2	10	0·4	310	0·5
20	---	0·0	---	0·0	---	0·0	320	0·5	---	0·0	---	0·0	---	0·0	---	0·0	130	1·0	140	1·9	150	2·8	140	3·0
21	170	1·1	170	1·2	190	1·0	220	0·1	---	0·0	---	0·0	---	0·0	220	0·1	160	0·9	180	1·9	180	2·4	190	2·3
22	260	0·9	280	1·4	290	2·4	290	0·5	240	0·7	220	0·8	230	0·2	---	0·0	200	0·4	200	0·5	180	1·5	270	3·6
23	230	(1·3)	250	(1·7)	290	(2·3)	260	(2·3)	250	(1·7)	340	(1·0)	260	(0·3)	240	0·8	320	0·9	190	0·8	160	1·4	160	3·0
24	---	0·0	---	0·0	---	0·0	320	0·3	320	0·5	300	0·1	190	0·1	300	0·1	190	0·2	180	0·9	190	1·9	180	1·9
25	340	1·6	340	1·9	350	2·6	360	2·6	360	3·3	10	4·9	20	4·6	20	5·9	30	6·6	30	6·5	30	6·8	20	5·9
26	320	2·5	320	2·3	310	2·6	310	2·6	310	2·5	300	2·0	300	3·0	310	3·4	310	3·0	300	4·3	310	5·2	330	3·5
27	260	3·1	290	3·6	300	5·1	320	3·7	330	4·3	320	6·0	320	6·5	320	7·4	330	8·3	350	6·4	20	7·4	30	7·5
28	330	3·0	320	2·0	320	1·8	310	2·1	300	2·1	300	2·2	300	2·5	300	2·8	310	2·8	310	3·4	340	3·0	350	2·6
29	300	1·9	290	1·9	300	1·6	300	2·3	300	2·3	310	2·8	300	3·9	310	3·9	320	3·7	320	4·8	320	4·9	320	5·5
30	310	2·5	310	2·9	310	2·9	300	2·9	310	3·5	310	3·4	300	4·3	290	4·6	290	4·6	300	3·3	320	3·6	320	3·0
Mean	---	2·2	---	2·4	---	2·5	---	2·3	---	2·2	---	2·3	---	2·4	---	2·6	---	2·7	---	3·0	---	3·3	---	3·4

148 **ABERDEEN:** H_a = 24 metres + 13 metres

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	310	1·7	300	1·4	300	1·4	300	1·6	310	2·0	300	1·5	290	1·7	290	1·5	300	2·2	310	2·5	310	3·1	310	2·5
2	330	0·1	---	0·0	---	0·0	---	0·0	---	0·0	280	0·1	---	0·0	---	0·0	180	0·3	180	1·6	160	3·5	180	4·5
3	210	1·7	210	1·4	220	1·2	220	1·0	210	1·2	230	1·2	200	1·4	240	0·9	320	1·1	330	0·9	110	0·6	110	1·1
4	310	2·6	310	1·8	310	2·8	310	2·8	310	2·5	310	1·9	310	1·7	320	1·1	350	1·5	360	2·0	360	1·9	350	1·8
5	30	0·6	30	0·5	330	0·6	320	0·8	320	1·0	310	1·4	320	1·2	150	4·5	170	2·8	180	3·0	160	4·3	150	5·0
6	300	0·6	310	1·2	310	1·8	250	1·5	300	3·0	310	3·4	290	2·7	300	2·7	310	2·5	310	2·7	300	2·3	350	2·5
7	310	2·5	310	2·3	310	2·5	310	2·9	310	2·8	310	2·9	300	2·6	310	3·0	310	2·6	300	2·4	320	2·5	350	1·8
8	310	2·2	300	2·1	300	2·4	290	2·0	290	2·3	290	2·1	300	2·1	300	1·8	300	1·9	290	2·1	310	1·4	300	0·7
9	310	1·0	310	0·7	300	1·1	310	1·4	320	1·0	330	0·8	310	1·0	310	0·6	300	2·5	300	2·8	310	2·9	320	2·1
10	300	3·1	300	3·1	290	2·9	300	3·5	300	3·3	300	3·1	300	3·0	300	2·9	300	2·7	310	3·4	330	3·7	340	1·9
11	---	0·0	220	0·3	250	1·5	240	1·5	270	2·0	280	1·5	290	2·3	300	3·0	300	2·9	310	3·1	310	3·0	310	3·5
12	300	1·2	280	1·1	280	2·5	240	2·0	290	3·6	280	2·5	260	2·5	240	1·0	260	2·4	250	3·5	270	3·8	280	6·0
13	310	5·2	310	5·2	300	3·9	300	3·5	300	1·9	300	3·4	300	2·5	300	3·1	300	3·1	300	3·4	300	3·9	300	3·4
14	210	0·5	200	0·7	180	0·9	180	1·0	160	0·3	150	2·5	170	1·7	160	0·6	120	1·9	100	0·8	90	0·6	50	0·5
15	210	2·4	210	2·5	210	2·5	250	2·1	260	4·7	270	4·8	270	4·3	270	5·0	270	6·6	280	7·7	280	6·4	280	10·1
16	270	7·9	270	7·0	260	4·9	260	5·8	270	8·5	280	8·7	280	6·1	270	8·0	270	10·3	290	10·5	290	11·1	290	9·7
17	180	2·6	190	2·7	190	3·8	210	6·6	210	7·2	210	7·1	210	5·7	210	5·1	210	4·8	230	6·6	260	6·5	260	8·9
18	270	14·0	290	13·7	290	12·5	290	11·1	300	10·8	300	10·5	300	11·0	290	9·9	290	9·3	300	9·8	300	10·6	300	8·6
19	220	1·6	210	1·4	190	1·6	210	1·7	220	0·2	310	0·5	300	2·1	310	2·2	320	2·7	330	3·2	320	4·5	310	4·9
20	320	7·5	320	5·7	310	4·0	310	3·5	300	3·5	310	4·7	300	2·9	310	3·9	310	2·5	300	5·2	310	5·2	300	5·4
21	270	2·7	260	2·2	280	3·0	280	4·8	270	2·7	280	4·2	290	6·0	280	6·7	280	8·2	290	7·7	290	8·6	290	9·4
22	230	1·9	190	1·2	180	0·9	220	1·5	270	1·5	210	0·5	200	0·3	220	0·9	220	0·9	220	2·2	250	4·2	260	4·1
23	190	4·1	180	4·7	180	3·5	190	6·1	180	7·9	200	3·6	180	5·7	180	5·7	180	5·1	180	3·1	190	6·4	180	5·7
24	230	4·1	230	4·2	230	3·9	210	4·4	210	2·0	200	1·6	200	2·8	180	3·2	210	4·2	200	4·0	200	4·2	190	4·9
25	240	5·8	230	4·7	230	3·5	230	3·8	240	3·4	240	3·0	250	3·0	240	3·4	260	3·0	250	3·8	250	5·9	250	5·9
26	190	2·0	240	2·6	230	4·1	210	2·8	220	2·1	180	2·2	190	2·5	210	4·5	210	4·4	200	3·9	200	3·9	200	4·7
27	270	10·5	280	13·7	290	17·8	290	17·0	290	17·7	290	16·3	290	13·1	280	11·7	280	11·3	280	11·7	270	11·1	270	11·2
28	300	8·9	300	9·3	300	9·5	300	10·7	290	10·2	290	8·5	300	10·5	300	11·3	300	10·1	300	10·4	310	11·4	310	11·5
29	210	1·6	200	1·0	190	2·5	210	3·5	190	3·9	200	6·1	200	4·7	190	2·3	190	4·6	190	5·1	190	4·7	190	4·3
30	---	0·0	270	(0·9)	90	(0·3)	200	(1·4)	250	(1·9)	240	(1·2)	190	(1·1)	210	(0·9)	250	(1·2)	280	0·4	300	0·3	300	1·4
31	270	1·1	260	1·0	290	2·0	300	2·0	290	1·5	290	2·4	300	2·4	270	1·5	260	0·5	290	3·5	280	4·3	290	4·6
Mean	---	3·3	---	3·2	---	3·4	---	3·7	---	3·8	---	3·7	---	3·6	---	3·6	---	3·9	---	4·3	---	4·7	---	4·9
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		-6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 24 metres + 13 metres

SEPTEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
80	2·9	70	2·7	80	2·3	100	2·2	100	2·2	100	2·1	90	1·6	100	1·7	110	1·7	130	2·0	150	2·0	140	2·0	2·5	1
110	4·5	110	4·4	110	4·4	110	4·6	120	5·4	130	5·7	130	5·1	120	5·5	120	4·8	110	4·1	120	4·6	120	5·0	4·5	2
120	4·1	120	4·7	120	3·3	120	4·8	130	4·5	130	3·0	130	3·5	140	3·7	140	4·2	140	3·8	130	3·4	140	4·0	4·3	3
170	5·4	170	4·9	160	5·2	160	5·5	170	4·3	180	3·3	170	3·5	170	2·7	170	2·9	180	2·4	180	1·8	170	2·5	2·7	4
160	3·7	210	3·5	200	3·9	200	4·0	210	4·6	210	3·1	210	2·9	190	2·5	200	1·9	210	1·6	200	1·8	200	2·4	2·7	5
280	3·1	290	3·0	210	1·8	60	1·7	110	1·9	110	1·6	130	1·5	150	0·8	190	2·1	190	2·1	170	2·4	170	3·8	1·9	6
320	1·0	300	1·4	310	2·0	290	1·6	290	0·8	270	1·5	320	0·9	300	1·5	290	1·6	290	1·9	290	3·2	300	4·0	3·1	7
60	2·2	60	2·9	50	3·1	70	2·1	60	1·6	50	1·0	50	0·2	---	0·0	---	0·0	230	0·3	230	0·4	210	1·0	2·4	8
170	5·5	170	6·3	170	6·7	170	5·0	180	5·0	170	3·9	170	4·3	170	5·5	180	4·7	180	5·2	180	4·4	170	5·9	3·6	9
180	4·9	170	5·5	170	5·3	170	4·5	170	5·8	180	5·4	180	4·1	180	4·4	200	3·4	180	3·2	180	4·5	170	5·0	4·7	10
170	6·4	170	5·8	160	6·1	170	6·7	170	5·7	170	4·6	160	5·6	160	5·8	160	5·7	160	6·5	160	6·5	160	6·5	5·2	11
170	5·7	160	7·5	170	6·3	180	4·0	180	3·7	180	4·0	180	4·0	190	2·5	200	2·2	200	2·1	200	0·8	270	0·6	4·8	12
120	2·8	100	2·3	110	3·1	100	2·7	130	2·6	160	2·4	170	2·1	170	1·8	190	0·7	210	1·0	220	0·5	---	0·0	1·6	13
80	0·9	60	1·4	50	1·7	50	2·0	40	2·5	30	2·8	350	3·0	320	3·9	320	5·0	330	5·1	330	4·6	320	4·0	1·7	14
10	2·5	20	3·0	10	2·1	350	2·6	30	2·8	20	2·0	20	2·2	20	1·3	20	1·2	30	1·6	30	2·0	30	0·9	2·8	15
60	2·8	60	3·1	60	2·4	60	1·8	50	1·9	40	1·5	330	0·5	330	0·2	330	0·1	330	0·1	---	0·0	10	0·1	1·3	16
110	1·9	100	2·3	110	2·1	110	1·0	90	0·6	90	0·4	110	0·5	110	0·7	130	1·0	170	0·7	170	0·4	190	0·5	0·8	17
30	1·0	60	1·2	40	1·7	40	1·6	30	1·2	20	1·0	40	0·7	10	0·6	20	0·7	10	0·8	350	0·5	340	0·4	0·8	18
330	0·2	60	0·2	50	1·1	90	0·4	100	0·5	80	0·1	---	0·0	---	0·0	---	0·0	---	0·0	310	0·2	---	0·0	0·4	19
130	3·1	130	2·6	130	3·1	130	3·1	140	3·4	130	3·1	150	3·3	150	3·0	160	2·6	170	2·5	170	1·3	170	1·2	1·7	20
210	1·6	210	1·9	270	1·5	310	1·1	330	0·4	---	0·0	230	0·1	290	0·1	280	0·9	280	1·4	280	1·7	280	1·3	1·0	21
260	3·2	320	6·2	320	6·3	320	5·7	320	3·8	320	2·3	320	1·8	220	(0·7)	260	(1·8)	300	(2·6)	300	(1·7)	310	(1·7)	2·1	22
170	3·3	170	4·1	160	4·0	180	3·7	180	3·5	170	2·4	170	2·0	170	2·0	180	1·8	190	0·9	190	1·3	190	0·4	2·0	23
180	1·2	170	1·5	170	2·1	170	1·9	170	1·1	170	1·3	160	0·4	160	0·2	---	0·0	---	0·0	310	1·1	330	1·2	0·7	24
20	5·6	10	4·9	10	5·3	10	4·5	360	4·4	360	3·7	350	3·4	340	2·6	320	2·9	320	3·2	330	3·1	320	3·6	4·2	25
320	4·6	310	4·7	310	2·6	310	2·6	280	1·9	270	2·3	290	2·4	270	2·3	270	3·8	270	3·9	260	4·1	240	3·3	3·1	26
30	6·3	30	5·5	30	5·3	30	6·5	10	5·0	350	3·3	350	3·7	350	3·4	340	3·2	340	3·2	340	2·9	320	3·0	5·0	27
350	3·1	350	1·8	340	2·9	340	3·4	340	2·5	340	1·1	300	0·4	280	0·8	300	0·8	290	1·2	300	2·3	300	2·1	2·2	28
330	5·5	320	5·3	330	5·3	330	4·5	340	3·5	350	3·1	350	3·6	350	2·8	330	2·4	330	2·6	330	3·5	320	2·5	3·5	29
310	3·5	320	3·7	310	3·6	320	3·2	330	2·5	320	2·1	320	1·7	320	1·2	320	1·5	310	1·0	310	0·9	310	1·4	2·8	30
---	3·4	---	3·6	---	3·6	---	3·3	---	3·0	---	2·5	---	2·3	---	2·1	---	2·2	---	2·2	---	2·3	---	2·3	2·7	

OCTOBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
350	1·6	360	1·8	350	0·7	360	0·5	360	0·5	10	0·5	360	0·7	330	0·5	---	0·0	30	0·6	20	0·5	280	0·7	1·3	1
180	4·9	190	5·3	190	4·6	180	4·8	180	4·8	180	3·0	210	1·5	210	0·9	210	0·6	190	0·7	200	1·7	200	2·1	1·9	2
110	1·2	90	1·6	70	1·5	50	1·5	60	0·4	360	0·1	350	1·0	320	1·4	320	1·6	320	1·9	310	2·6	310	2·9	1·3	3
360	1·5	350	1·5	330	1·6	340	1·0	20	1·3	330	1·5	350	1·4	320	0·9	340	1·5	360	1·4	350	1·0	360	0·9	1·7	4
150	5·0	150	5·1	150	4·6	140	4·0	160	3·5	170	1·4	300	0·5	310	1·5	310	0·9	310	1·5	300	1·3	320	0·6	2·3	5
50	2·7	50	3·0	50	2·6	60	2·4	50	1·8	30	0·5	320	1·3	320	1·8	320	1·9	320	2·4	320	2·5	310	2·8	2·2	6
340	2·1	360	2·1	340	2·0	40	1·4	350	1·3	360	1·3	320	1·2	310	1·5	320	1·8	320	2·5	320	2·6	310	2·4	2·2	7
50	0·6	50	0·3	30	0·2	20	0·1	330	0·3	320	0·1	310	0·5	310	0·3	310	1·0	310	1·0	310	0·9	310	0·9	1·2	8
340	2·7	340	2·8	340	3·2	340	2·7	330	2·6	330	1·4	330	1·5	300	2·0	310	2·5	300	2·9	300	2·5	300	2·7	2·0	9
330	1·1	340	0·8	120	0·6	120	0·9	170	1·4	210	1·4	210	1·6	220	1·5	300	0·1	310	0·5	---	0·0	300	0·4	2·0	10
320	4·3	310	4·1	310	4·1	310	4·6	310	2·7	310	3·7	310	2·2	300	3·2	310	2·7	300	3·3	310	2·6	280	1·0	2·6	11
270	5·7	250	5·4	250	3·0	250	3·1	260	4·4	280	4·5	260	5·3	270	4·5	280	4·9	290	5·0	290	5·3	310	4·0	3·6	12
310	3·1	290	3·3	300	4·0	310	2·8	240	0·5	250	0·4	200	0·1	220	1·1	210	1·1	210	1·0	210	0·7	210	1·2	2·6	13
40	0·5	60	0·2	230	0·2	200	0·1	210	0·6	210	0·6	210	1·1	210	2·0	210	3·1	200	2·6	200	1·7	220	2·8	1·1	14
280	8·9	270	7·6	270	7·5	270	6·8	270	6·5	250	4·4	270	7·1	260	5·6	250	4·7	260	4·7	240	2·9	270	5·0	5·5	15
280	9·3	280	9·9	280	9·2	270	7·2	280	5·5	270	4·0	230	1·5	240	1·8	240	1·5	200	1·0	200	2·0	190	2·0	6·4	16
260	9·6	260	10·0	250	10·6	250	9·5	240	7·1	250	6·4	250	7·0	250	7·5	250	8·7	250	8·5	250	8·1	260	10·7	7·1	17
290	8·5	300	6·6	290	6·0	280	5·1	270	4·9	260	2·1	250	1·9	230	2·0	240	2·6	230	2·3	220	2·3	220	1·6	7·4	18
310	7·7	320	7·4	310	7·1	320	7·0	300	7·4	300	8·3	290	6·2	300	7·4	300	8·5	310	8·5	310	8·6	310	7·6	4·9	19
300	4·0	310	1·6	270	1·5	220	1·1	180	1·7	200	1·8	210	1·6	240	1·2	250	2·0	270	3·8	270	5·1	270	3·1	3·4	20
290	7·3	280	6·2	290	7·1	280	6·6	290	6·0	290	5·4	290	4·6	290	5·3	290	5·5	280	1·9	280	1·3	280	2·0	5·2	21
280	3·3	270	4·0	240	3·5	220	3·2	200	2·5	210	4·2	220	5·1	210	3·0	220	5·1	210	4·6	200	2·5	190	3·0	2·7	22
200	5·1	200	4·5	230	4·9	230	3·7	230	2·7	220	2·0	50	0·3	210	0·7	150	0·9	190	2·3	180	2·1	220	4·0	3·9	23
180	5·0	190	6·5	200	7·9	190	6·6	200	7·4	210	6·3	200	6·6	200	5·4	210	5·6	210	5·2	210	5·9	210	7·0	5·0	24
250	5·5	250	5·5	250	5·2	250	5·9	240	6·0	240	5·6	240	4·0	240	3·6	200	2·3	240	2·6	200	1·6	210	2·3	4·1	25
210	4·0	190	4·0	170	5·1	170	5·2	160	6·6	180	7·0	210	5·9	220	5·4	190	5·1	210	6·9	230	6·5	270	8·1	4·6	26
270	11·4	280	9·8	270	10·3	280	9·3	280	8·3	270	9·0	280	8·5	270	7·6	290	9·6	290	8·3	300	8·6	300	9·0	11·4	27
310	8·8	310	8·4	320	6·8	310	5·4	300	3·0	310	2·9	270	2·6	290	1·5	310	1·7	300	0·9	310	0·8	240	0·9	6·9	28
200	4·1	210	6·3	210	4·0	210	3·8	200	2·1	190	3·1	200	2·0	270	1·0	300	1·5	300	4·0	300	2·5	70	(0·2)	3·3	29
300	1·8	290	1·2	280	1·7	280	0·9	270	2·7	280	2·9	300	2·1	300	1·0	300	1·5	250	1·1	270	1·2	270	0·7	1·2	30
280	3·6	280	4·0	280	3·5	260	2·5	260	3·1	240	2·2	240	2·5	230	2·6	240	3·5	230	2·8	230	2·2	230	2·4	2·6	31
---	4·7	---	4·5	---	4·3	---	3·9	---	3·5	---	3·2	---	2·9	---	2·8	---	3·0	---	3·1	---	2·9	---	3·1	3·7	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

149 **ABERDEEN:** Dines Pressure Tube Anemometer H_a (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	230	1·6	220	2·5	240	3·0	200	2·0	210	2·3	220	2·6	220	2·3	220	3·5	200	3·4	220	4·9	200	4·4	200	5·6
2	340	5·8	340	5·3	340	4·9	340	4·5	330	3·9	330	3·3	330	2·3	290	2·6	310	2·1	290	2·6	300	2·6	280	1·8
3	230	1·0	280	4·6	270	5·0	270	2·4	230	2·4	260	3·7	230	2·6	220	2·1	250	3·5	250	2·9	220	2·6	250	3·6
4	250	1·5	230	1·5	250	0·7	260	1·2	250	6·8	230	2·3	250	2·9	230	2·9	220	2·0	210	2·1	220	1·4	220	2·0
5	220	3·1	260	2·1	240	1·6	190	2·9	180	3·4	190	3·9	190	3·6	190	1·9	200	2·4	190	4·6	200	5·1	190	6·0
6	220	2·5	240	3·1	240	3·3	240	3·8	230	3·9	220	2·5	250	1·6	180	2·8	190	2·0	210	1·3	180	2·6	180	2·9
7	110	7·1	110	6·7	110	6·7	120	6·8	120	7·1	110	7·3	120	8·3	130	7·4	160	6·3	170	5·6	160	6·3	150	6·3
8	130	8·9	160	8·0	170	6·6	180	5·1	180	5·0	180	3·1	190	3·1	210	2·1	200	2·1	210	2·3	210	2·5	210	2·7
9	200	1·5	180	2·1	180	1·9	190	2·1	210	1·4	210	1·1	210	1·0	220	0·4	300	0·7	310	0·8	320	0·5	330	0·3
10	300	1·0	300	1·0	300	1·7	300	1·1	270	0·5	280	0·8	280	1·8	300	0·5	310	1·5	310	0·7	230	1·4	290	2·1
11	240	0·5	---	0·0	230	0·5	250	2·6	250	0·8	260	1·1	280	0·6	290	1·1	290	0·4	220	0·7	230	1·2	250	1·4
12	110	4·5	100	4·7	90	5·2	80	5·4	70	6·0	70	6·0	70	6·8	50	6·6	40	7·0	50	6·9	30	6·4	20	5·2
13	350	6·4	340	5·1	360	4·5	330	3·9	330	3·9	330	4·4	330	4·6	310	3·0	310	2·5	310	2·5	310	2·9	310	3·1
14	180	1·0	190	0·9	200	2·2	200	2·7	190	1·8	170	1·6	190	1·1	190	2·6	190	2·6	210	2·6	190	3·2	200	2·6
15	260	4·5	250	4·6	220	2·4	220	2·4	220	3·2	190	3·1	190	3·4	180	3·7	190	4·4	190	6·7	210	6·0	210	4·3
16	260	7·4	270	10·1	290	12·4	290	9·5	290	8·6	300	6·9	300	6·4	290	4·5	260	2·2	280	2·1	270	3·0	290	2·6
17	310	1·1	310	1·4	310	1·9	310	1·8	320	1·4	310	2·2	310	2·0	310	3·0	310	2·6	310	2·1	330	3·9	320	2·8
18	330	3·2	330	4·0	310	2·5	310	2·0	310	2·3	320	2·4	310	2·0	320	1·5	300	2·1	310	2·2	310	1·6	300	1·5
19	310	1·1	310	0·9	200	0·8	190	1·4	220	0·9	220	1·1	220	1·2	230	1·5	210	2·3	210	2·6	200	3·2	210	2·9
20	220	1·1	220	0·5	210	0·5	210	1·6	210	1·0	150	0·2	200	0·3	80	0·2	250	0·4	300	0·2	220	0·1	310	0·2
21	300	1·6	310	2·5	300	1·5	310	1·1	310	2·2	300	1·6	290	0·4	290	0·2	310	0·4	290	1·1	320	0·4	310	0·6
22	270	0·8	310	2·0	320	1·0	320	0·6	310	1·0	300	1·4	300	1·1	310	1·5	310	2·0	310	1·7	310	1·9	310	1·3
23	300	1·6	300	1·9	300	1·5	300	1·9	300	1·2	300	2·0	300	1·3	290	1·1	280	0·7	310	0·3	---	0·0	200	0·1
24	320	0·1	310	0·9	310	1·0	310	2·1	300	1·9	300	1·1	300	2·2	290	1·2	300	1·1	310	1·5	310	2·0	310	2·3
25	300	1·0	300	0·6	260	0·5	280	0·7	280	1·1	280	1·7	280	1·9	300	3·0	310	2·5	300	2·5	300	2·0	300	2·1
26	310	1·6	310	1·9	300	2·1	310	1·4	310	0·7	310	0·4	310	0·7	310	1·1	310	0·3	310	0·4	310	0·7	300	0·6
27	260	0·5	240	0·5	300	1·8	300	2·0	300	0·6	260	0·1	290	0·4	290	0·7	310	0·5	300	1·4	300	2·0	300	1·9
28	310	3·7	310	4·8	310	3·9	310	3·3	310	2·5	300	2·9	300	3·3	300	2·3	280	3·0	290	3·5	290	3·0	280	2·9
29	190	4·5	160	2·7	200	4·9	190	4·0	170	4·4	210	2·1	220	1·3	210	1·8	240	0·7	290	3·8	280	3·8	270	1·9
30	250	4·6	260	5·3	270	5·5	270	7·8	290	8·9	280	8·0	280	7·3	280	7·1	280	7·6	280	8·7	280	10·5	290	12·1
Mean	---	2·8	---	3·1	---	3·1	---	3·0	---	3·0	---	2·7	---	2·6	---	2·5	---	2·4	---	2·7	---	2·9	---	2·9

150 **ABERDEEN:** H_a = 24 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	300	11·1	300	12·5	300	10·5	300	10·7	300	10·3	300	8·9	300	9·2	300	9·9	300	8·0	290	6·8	290	8·3	280	9·0
2	290	6·1	290	6·9	290	7·0	290	8·2	300	5·5	300	5·2	300	4·7	300	4·7	300	4·2	300	3·5	300	4·2	310	6·7
3	270	3·6	270	3·2	270	2·7	250	3·0	240	3·0	240	2·8	220	1·3	220	0·5	190	1·4	170	1·6	170	2·8	180	3·8
4	220	8·4	220	8·4	220	10·0	230	8·9	240	10·1	260	9·5	290	14·0	290	13·2	290	11·0	290	11·8	280	10·8	290	11·5
5	170	0·5	220	0·8	170	0·5	160	3·1	190	2·4	260	1·0	300	1·1	300	2·7	300	1·2	290	1·3	280	0·7	300	1·2
6	310	5·1	310	5·6	330	4·9	310	5·3	310	5·4	310	5·2	310	6·8	310	6·9	320	6·5	310	6·6	310	7·0	310	5·2
7	310	5·8	320	7·3	330	6·1	290	4·7	310	4·9	310	3·9	290	4·5	300	3·8	290	3·1	290	3·9	280	3·0	280	2·2
8	190	5·1	190	4·6	200	2·0	210	1·2	310	3·0	310	1·9	250	1·2	280	2·3	260	1·9	250	1·4	260	3·4	260	4·3
9	290	2·2	290	2·5	280	2·2	300	2·6	290	1·7	200	0·1	230	1·4	220	0·1	230	1·0	250	0·5	230	0·6	---	0·0
10	200	5·8	210	6·0	190	4·6	210	4·2	210	4·8	200	3·5	210	3·6	220	3·5	210	5·0	210	5·1	200	6·1	190	5·8
11	200	4·9	180	5·3	190	5·0	180	5·5	180	4·2	180	4·5	180	4·8	170	6·1	170	6·8	170	6·2	170	6·0	170	4·9
12	300	1·1	300	2·0	310	2·0	300	2·0	300	1·4	310	2·6	300	1·8	290	1·3	300	0·4	200	0·6	190	1·2	220	1·4
13	210	2·3	220	1·2	230	1·3	230	1·4	210	2·1	220	2·3	220	1·8	190	1·9	190	2·9	200	3·5	190	4·5	180	3·8
14	170	13·8	170	12·3	180	11·9	180	9·4	190	7·1	200	5·4	190	6·5	200	6·5	210	2·4	230	2·1	270	1·5	240	1·3
15	180	1·8	270	2·8	270	2·6	270	3·2	250	4·4	240	2·9	250	2·1	230	1·9	220	1·5	190	0·8	220	2·6	220	3·6
16	170	13·1	170	13·5	180	13·0	180	11·5	190	10·6	190	11·4	210	12·0	210	13·2	210	12·1	210	11·6	210	10·8	220	9·6
17	220	5·7	210	4·9	220	4·1	200	3·7	220	4·1	200	4·6	200	5·4	200	5·2	190	5·2	190	5·0	170	7·1	170	9·2
18	210	9·9	220	8·5	220	8·6	220	9·0	230	7·1	210	7·5	230	6·8	220	5·8	220	7·4	210	5·5	240	3·3	220	4·5
19	240	8·8	240	7·6	250	7·9	240	7·3	240	5·4	240	5·2	230	5·5	230	7·1	220	6·1	230	6·8	230	6·2	220	5·8
20	210	11·8	210	11·1	180	8·0	200	5·8	210	7·5	220	8·0	220	8·0	220	10·3	220	10·1	210	11·9	220	11·5	220	12·7
21	200	5·4	190	5·0	210	4·1	210	5·0	210	4·4	190	3·4	210	3·0	220	3·1	220	2·5	200	3·6	210	2·9	200	4·9
22	280	1·4	220	1·6	220	2·3	210	2·1	230	2·5	220	2·5	230	1·3	230	2·0	200	2·2	200	0·3	240	2·9	240	3·5
23	290	5·8	300	5·4	310	4·5	300	4·2	300	2·3	190	1·4	160	1·4	210	2·3	210	2·7	220	2·6	210	2·3	190	3·2
24	210	2·1	250	8·0	220	5·6	230	4·8	240	5·5	240	6·5	240	6·9	250	7·4	250	6·5	240	5·3	230	2·5	260	2·5
25	290	6·5	290	6·1	290	4·5	340	4·6	320	2·6	320	1·5	310	1·7	320	2·0	310	1·8	290	1·5	280	1·6	290	1·0
26	210	0·1	200	0·2	330	0·7	310	1·5	300	1·0	200	0·7	240	0·5	290	0·4	280	1·7	220	0·2	210	1·0	270	1·5
27	300	1·8	300	1·6	300	1·5	310	1·4	300	0·5	310	0·3	260	0·1	210	(1·3)	210	(1·8)	210	0·6	200	0·9	200	2·1
28	190	4·6	190	4·5	200	5·1	190	4·5	190	4·6	190	3·0	180	4·7	190	4·5	180	4·2	180	3·6	170	5·0	170	6·6
29	160	4·9	190	3·6	190	3·8	200	3·9	200	3·6	190	4·9	190	5·2	190	4·5	200	5·6	200	4·5	190	5·5	200	4·3
30	230	1·5	220	2·4	140	1·8	210	4·3	220	5·3	210	5·5	190	2·2	180	3·7	170	4·7	180	3·1	190	7·1	210	7·7
31	190	4·7	190	8·1	180	8·2	190	9·5	180	9·1	200	8·1	210	7·5	220	8·0	210	6·6	210	5·7	220	7·5	220	8·1
Mean	---	5·3	---	5·6	---	5·1	---	5·0	---	4·7	---	4·3	---	4·4	---	4·7	---	4·5	---	4·1	---	4·5	---	4·9
Annual Mean	---	2·7	---	2·7	---	2·8	---	2·8	---	2·8	---	2·8	---	3·0	---	3·2	---	3·4	---	3·6	---	3·9	---	4·1
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6.		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 24 metres + 13 metres

NOVEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
200	5·4	200	6·3	200	5·5	200	4·7	200	3·4	210	2·1	220	0·5	260	0·2	290	1·5	280	1·8	290	3·1	330	5·8	3·3	1
230	1·6	170	3·1	180	4·2	180	6·2	190	5·8	200	6·0	200	6·4	200	6·6	210	3·3	220	3·3	220	3·4	240	1·1	3·9	2
270	4·5	280	3·6	270	2·6	250	2·1	260	3·4	250	2·9	230	2·3	230	2·1	240	4·5	250	3·2	190	1·9	160	1·0	2·9	3
210	3·0	200	3·1	200	3·7	200	1·9	200	2·1	220	3·7	240	1·9	220	2·7	200	5·1	230	2·9	210	3·3	210	4·5	2·7	4
200	6·3	190	4·7	200	4·5	180	4·4	190	6·3	180	6·4	180	5·1	210	6·0	220	4·6	210	3·5	220	3·5	230	2·1	4·1	5
160	3·5	160	5·2	160	5·3	160	6·4	160	7·2	160	7·1	150	7·6	150	6·9	140	6·9	130	7·4	130	7·2	120	7·8	4·6	6
160	5·9	140	5·7	160	4·2	150	6·5	180	4·8	140	6·4	140	8·3	140	9·5	130	10·0	130	11·2	130	11·3	130	10·3	7·3	7
180	3·4	180	4·0	180	2·8	180	2·8	180	3·0	190	2·5	190	4·2	190	4·7	190	5·3	190	4·7	190	4·0	190	4·0	4·0	8
320	0·5	310	0·3	310	0·7	310	1·3	300	1·9	300	2·3	310	2·0	310	2·1	310	1·2	300	1·1	310	0·9	300	1·5	1·2	9
250	2·0	250	2·2	270	1·4	280	1·4	280	2·3	280	2·1	300	2·1	300	2·0	300	2·3	300	2·6	300	2·6	290	1·9	1·6	10
250	0·6	120	1·4	120	1·2	110	0·7	330	0·1	330	0·6	330	0·9	100	1·9	100	3·2	90	3·9	90	4·1	90	4·9	1·4	11
10	5·0	10	5·8	10	5·7	360	5·1	360	5·8	360	4·8	360	5·5	350	5·9	350	5·0	360	5·2	360	6·0	360	5·7	5·7	12
320	2·8	320	1·6	290	1·2	290	0·9	240	0·2	---	0·0	300	0·2	230	0·4	230	0·5	200	1·1	200	2·0	200	2·0	2·5	13
210	2·1	210	2·3	230	1·9	250	3·0	250	1·5	270	1·7	270	3·3	280	3·6	290	4·3	300	2·6	280	2·5	270	2·6	2·3	14
230	4·2	250	8·0	270	6·0	240	3·9	250	2·6	230	2·4	200	2·5	190	3·8	190	4·6	190	5·0	230	5·5	240	6·0	4·3	15
280	1·5	290	3·4	310	2·0	210	0·7	210	1·0	230	1·5	240	0·9	280	0·5	270	0·2	310	1·9	310	1·5	300	1·2	3·8	16
320	3·9	330	4·8	330	5·1	340	4·1	310	3·0	310	3·3	330	3·3	340	3·8	330	3·0	340	3·0	330	2·5	320	2·8	2·9	17
360	1·6	10	1·6	40	1·5	50	1·0	320	0·9	310	1·1	320	1·4	320	1·5	320	1·6	310	1·1	310	1·2	310	1·1	1·8	18
210	4·4	210	4·3	190	5·5	210	4·7	210	4·5	200	2·0	210	2·7	210	2·3	210	2·5	210	2·1	220	1·2	200	0·9	2·4	19
200	0·5	230	0·5	230	0·3	310	0·6	290	1·4	310	1·0	300	0·7	310	1·6	310	2·5	300	1·5	300	0·6	300	1·5	0·8	20
310	0·4	210	0·7	310	0·6	260	0·2	310	0·3	310	0·4	---	0·0	150	0·1	310	0·5	310	1·4	300	1·4	300	0·6	0·8	21
310	0·7	300	0·9	300	1·7	310	1·5	310	2·1	310	1·7	310	2·1	310	1·9	310	2·2	300	2·0	300	1·6	300	1·7	1·5	22
210	0·5	200	0·4	210	0·5	210	1·1	200	0·6	310	0·3	310	0·7	310	1·2	310	2·2	300	0·6	300	0·2	230	0·3	0·9	23
300	1·5	300	1·0	310	1·2	300	1·4	300	1·8	300	1·0	300	0·9	300	1·3	300	2·0	310	2·0	300	1·3	290	0·9	1·4	24
300	2·1	310	1·5	310	1·9	310	1·4	300	1·5	300	1·5	310	1·5	300	1·5	300	1·5	300	1·5	300	1·9	300	1·9	1·6	25
310	0·6	210	0·5	200	0·5	170	1·0	180	2·0	190	1·7	210	1·5	220	1·2	220	0·2	190	0·4	280	0·4	---	0·0	0·9	26
280	0·8	300	1·2	280	0·4	240	0·1	280	1·0	290	2·5	300	3·8	300	3·2	310	2·9	310	4·1	310	4·0	310	4·2	1·7	27
240	2·0	250	1·9	250	2·5	240	2·0	250	2·6	220	0·4	230	1·3	220	2·6	200	2·1	180	2·6	180	2·4	220	5·8	2·8	28
280	2·0	280	1·0	280	0·7	250	0·6	---	0·0	330	0·1	190	0·5	210	1·5	200	2·3	200	3·3	210	2·9	210	2·6	2·2	29
280	11·4	280	9·1	280	10·1	280	8·5	280	10·1	290	10·9	280	9·9	290	10·4	280	11·5	290	12·2	300	10·5	300	13·1	9·2	30
---	2·8	---	3·0	---	2·8	---	2·7	---	2·8	---	2·7	---	2·8	---	3·1	---	3·3	---	3·3	---	3·2	---	3·3	2·9	

DECEMBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
290	7·9	290	7·1	290	8·2	280	8·0	280	5·2	280	3·1	280	7·6	280	5·4	280	5·1	280	6·0	300	5·3	280	6·8	8·0	1
310	5·8	310	5·5	320	7·0	320	7·4	310	7·5	310	5·1	300	4·5	300	5·5	280	2·8	280	3·0	290	5·0	270	3·7	5·4	2
180	4·5	190	5·6	190	4·9	210	4·8	160	4·0	180	3·5	210	7·5	200	6·4	200	9·1	210	7·6	230	8·2	240	9·0	4·4	3
290	9·0	290	9·1	290	9·1	290	7·6	280	4·6	270	4·5	260	4·6	240	3·3	240	2·5	210	1·5	220	1·5	220	0·3	7·7	4
280	3·1	280	3·3	260	2·5	250	1·1	250	2·7	280	2·5	270	2·8	270	0·7	280	1·9	280	2·5	300	2·9	300	3·6	1·9	5
320	7·1	310	8·0	330	6·5	330	10·6	330	12·8	340	11·1	340	8·5	340	8·2	330	8·9	330	6·4	330	6·7	340	6·4	7·1	6
230	3·4	240	2·1	220	1·9	200	3·6	210	4·5	200	3·9	200	3·1	210	1·8	210	3·2	180	3·1	200	2·0	210	5·9	3·8	7
260	3·5	260	3·5	270	2·9	250	3·5	250	3·5	250	3·1	270	2·1	290	1·4	270	0·9	270	1·9	240	3·0	270	3·8	2·7	8
240	0·6	230	0·3	270	0·2	140	0·3	180	1·5	200	1·6	210	3·3	210	3·1	200	2·4	190	2·2	200	2·1	210	4·5	1·5	9
190	5·6	190	3·2	200	4·0	190	6·5	220	6·0	230	5·0	210	3·9	230	3·0	200	2·5	190	2·7	190	3·8	180	4·9	4·5	10
170	5·6	200	3·6	200	4·8	210	5·2	220	3·3	200	1·1	180	2·4	200	5·0	200	3·4	210	2·9	210	1·6	230	0·4	4·3	11
200	0·9	220	1·3	240	1·0	230	1·2	240	1·4	220	1·8	220	2·0	220	2·2	230	2·1	210	1·9	200	1·4	210	1·7	1·5	12
180	5·1	180	5·6	170	6·8	170	7·9	170	9·0	170	9·5	160	10·0	160	12·3	160	13·1	160	13·4	160	14·8	160	16·3	6·4	13
270	2·5	270	3·2	270	2·4	230	1·4	210	1·2	220	2·0	220	2·0	230	2·4	220	1·5	220	1·9	210	1·3	210	2·1	4·3	14
210	3·6	210	4·2	210	4·8	190	5·5	220	5·1	210	5·0	200	5·1	180	6·6	180	8·4	160	11·6	160	13·0	160	15·1	4·9	15
210	10·0	210	10·0	210	9·5	210	7·7	210	7·6	220	6·9	210	7·2	220	6·5	230	6·5	230	5·9	230	6·1	220	4·9	9·6	16
160	9·9	170	8·1	160	10·9	180	10·2	180	8·8	190	7·4	190	5·9	210	6·9	210	9·6	220	8·2	210	9·9	220	10·5	7·1	17
200	4·8	230	6·1	220	6·0	220	6·0	220	6·6	220	7·6	240	9·1	250	8·3	250	8·3	240	4·2	230	6·1	240	7·6	6·9	18
190	4·8	190	5·7	180	4·8	190	6·5	210	7·0	210	9·1	200	9·5	200	8·6	200	8·8	210	9·0	210	11·2	210	13·3	7·4	19
220	12·1	220	10·9	230	10·0	230	9·6	230	7·9	230	6·2	270	2·0	210	2·7	230	3·0	190	4·0	190	4·4	200	5·1	8·1	20
190	3·6	230	0·9	200	3·2	190	4·8	190	3·5	200	2·9	210	2·4	210	2·0	250	0·8	300	1·5	300	2·5	280	2·9	3·3	21
270	3·3	260	3·6	260	2·9	250	3·8	250	3·2	230	2·5	230	1·3	250	2·3	290	4·3	290	6·1	290	6·0	280	5·2	2·9	22
190	3·5	200	3·0	210	2·8	240	4·0	230	2·5	240	2·7	220	3·3	230	4·1	180	3·7	210	2·8	210	3·4	210	3·3	3·2	23
270	2·4	270	5·5	270	1·9	270	1·9	290	1·0	270	2·9	250	2·4	230	1·9	220	1·4	200	2·1	270	4·9	280	6·5	4·1	24
290	1·0	320	0·5	240	0·5	240	0·2	220	1·0	190	1·5	190	2·5	200	2·8	210	2·9	200	2·5	200	1·4	200	1·0	2·2	25
260	1·9	210	1·4	210	1·5	210	1·0	300	1·0	300	1·4	310	1·2	300	1·9	310	1·5	310	1·5	310	1·0	310	1·0	1·1	26
190	2·4	190	2·5	190	1·9	190	2·5	190	3·5	190	3·2	190	3·6	190	3·8	200	4·2	200	3·5	190	5·1	190	4·8	2·3	27
180	5·8	180	4·0	180	5·2	180	5·0	180	5·1	170	3·9	180	4·0	180	4·7	160	5·0	160	5·3	170	5·5	160	5·9	4·8	28
190	3·6	190	4·4	210	5·0	180	2·0	200	2·5	200	3·0	190	2·9	220	2·1	170	0·5	240	1·9	190	1·7	230	3·3	3·6	29
210	7·9	210	7·0	210	7·0	210	7·0	220	7·1	210	7·0	190	6·0	210	7·1	200	7·6	210	5·6	200	7·7	200	5·0	5·5	30
230	7·5	230	6·0	210	5·8	220	6·0	210	6·1	210	6·9	210	6·5	220	7·5	220	6·3	210	7·2	230	7·6	220	6·4	7·1	31
---	4·9	---	4·7	---	4·7	---	4·9	---	4·7	---	4·4	---	4·5	---	4·5	---	4·6	---	4·5	---	5·1	---	5·5	4·6	
---	4·1	---	4·1	---	4·0	---	3·9	---	3·6	---	3·3	---	3·1	---	2·9	---	2·9	---	2·8	---	2·8	---	2·8	3·3	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

0-1h. 1st January 1937 210° 8·8 m/s

151 ABERDEEN: H_a = 24 metres + 13 metres 1936

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust
	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m
1	9	18 55	6	22 40	21	12 50	10	23 30	11	18 30	8	10 15	7	13 20	8	12 45	8	9 10	6	10 15	15	23 45	26	2 30
2	9	20 40	16	16 50	15	0 1	12	0 35	11	16 5	8	15 45	8	9 55	15	23 55	11	21 50	13	13 30	16	18 45	17	3 25
3	11	16 10	21	13 20	8	12 5	7	10 40	11	16 20	13	14 15	7	13 25	24	6 30	11	2 30	5	23 0	10	2 45	23	20 15
4	11	5 5	10	1 35	17	12 30	10	17 10	7	22 45	16	7 15	14	18 20	15	9 30	12	12 30	7	9 35	16	4 5	29	6 35
5	19	15 15	12	23 40	12	15 5	8	11 35	12	13 30	13	15 40	13	14 5	9	8 50	10	15 25	11	12 0	18	11 45	9	24 0
6	21	1 40	20	19 50	15	11 15	16	16 10	9	10 0	13	15 50	11	13 5	6	13 0	9	24 0	6	12 50	16	18 40	25	16 15
7	11	0 45	20	4 35	15	21 55	9	0 30	7	12 5	13	10 40	9	17 30	11	17 20	14	5 5	7	14 35	21	23 35	15	23 50
8	13	19 30	10	13 5	13	2 20	12	9 30	7	18 45	9	12 50	11	13 45	13	14 35	11	5 5	5	5 35	19	0 40	13	0 5
9	18	19 55	18	19 0	14	13 25	7	8 45	7	11 55	13	14 20	8	7 10	5	9 45	13	18 55	7	13 25	6	2 15	10	23 55
10	23	6 20	16	12 50	9	5 5	14	13 55	4	13 40	12	8 20	14	12 30	7	14 50	12	1 50	7	10 10	5	11 30	13	16 0
11	19	13 55	11	1 35	9	18 35	19	22 45	11	22 30	14	14 0	14	7 30	12	16 15	16	15 5	12	15 20	12	23 45	14	9 15
12	15	23 20	5	12 45	15	11 15	12	5 35	12	0 30	9	16 40	14	14 55	7	0 10	16	9 55	15	18 5	19	10 35	6	5 15
13	16	12 30	7	22 20	11	12 30	14	9 0	11	17 50	6	16 15	5	9 25	9	17 35	6	11 35	12	0 20	15	0 20	31	23 55
14	15	1 20	15	18 30	11	12 5	18	15 55	13	21 25	14	12 50	12	7 10	14	11 15	10	21 40	7	23 20	9	21 0	27	1 10
15	9	11 35	6	7 35	16	10 40	16	7 20	17	10 45	8	7 00	6	15 00	12	14 15	9	11 40	21	11 55	23	13 30	26	23 40
16	10	19 0	3	3 55	8	17 25	17	12 45	15	13 15	10	19 05	9	7 55	9	15 45	6	13 10	22	10 20	25	2 25	26	7 0
17		*	16	15 50		‡	15	10 25	12	7 10	11	10 45	9	22 50	14	11 20	5	13 50	24	23 50	11	15 5	25	20 35
18		*	20	11 0	9	5 10	16	15 55	9	18 5	8	15 30	11	6 25	16	9 20	4	14 15	29	0 40	9	1 50	21	3 0
19	10	3 55	16	4 50	13	20 45	22	12 10	13	23 20	5	17 55	6	21 0	11	12 50	4	1 50	19	21 5	12	16 5	26	23 55
20	25	18 15	16	14 20	11	13 10	18	10 55	16	15 35	5	10 45	20	17 25	9	15 10	8	16 50	16	0 5	7	4 5	28	13 20
21	17	10 10	19	13 45	7	11 0	9	3 35	17	8 10	6	14 50	14	6 15	14	10 20	5	10 55	18	11 50	8	4 45	11	6 15
22	11	1 15	9	22 0	11	14 15	19	12 0	11	15 15	7	15 20	9	9 50	10	11 20	13	13 5	12	20 25	4	1 55	12	22 0
23	18	7 25	15	11 45	10	19 35	15	20 5	12	15 50	11	18 30	16	16 30	14	13 5	8	13 50	17	3 50	4	15 10	11	1 30
24	7	0 55	15	2 20	13	10 5	20	23 25	12	14 20	10	13 10	20	14 5	10	10 10	5	15 30	21	14 0	5	6 30	16	1 20
25	13	15 40	10	13 35	8	0 35	19	8 25	10	5 5	7	12 45	22	11 5	13	3 25	16	8 50	19	0 10	7	7 40	13	1 30
26	11	0 50	12	0 55	12	23 50	15	15 45	12	23 50	6	12 20	8	0 5	12	16 35	12	10 40	21	23 55	6	17 10	5	12 5
27	18	12 35	10	7 25	13	14 15	11	9 15	16	17 35	6	15 5	10	14 5	13	15 10	18	10 35	34	4 40	10	21 30	13	23 10
28	10	1 25	17	18 10	8	16 45	12	14 55	12	0 45	10	12 25	7	10 50	6	23 30	8	15 5	22	11 40	14	23 40	14	11 10
29	7	22 10	18	21 5	15	13 0	13	21 20	17	11 45	8	6 15	11	14 20	9	23 55	11	12 40	14	21 5	13	4 20	15	14 10
30	9	1 35	--	---	19	15 20	10	9 20	15	16 10	13	16 50	13	9 10	15	12 0	9	7 5	7	16 45	29	23 10	20	22 40
31	3	0 20	--	---	12	16 30	--	---	16	12 15	--	---	15	10 10	14	8 45	--	---	9	10 15	--	---	23	4 5

* Head of instrument choked by snow
‡ Instrument being overhauled

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

152 ABERDEEN: H_a = 24 metres + 13 metres 1936

MONTH	DISTRIBUTION OF WIND SPEED								EXTREME VELOCITIES				
	More than 17·1 m/s		10·8 to 17·1 m/s		5·5 to 10·7 m/s	1·6 to 5·4 m/s	Less than 1·6 m/s	No Record	Highest Hourly Wind			Highest Gust	
	Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer From N.	Speed	Mid Time	Speed	Date
		hr		hr	hr	hr	hr	hr	°	m/s	day hour	m/s	day h m
Jan.	--	0	2	4	165	409	166	0	280	12	10 6 30	25	20 18 15
Feb.	--	0	0	0	208	338	150	0	130	10	18 11 30	21	3 13 20
Mar.	--	0	0	0	85	493	166	0	10	9	1 13 30	21	1 12 50
Apr.	--	0	1	1	183	421	115	0	310	11	19 9 30	22	19 12 10
May	--	0	0	0	87	418	239	0	330	9	29 17 30	17	15 10 45
June	--	0	0	0	31	371	318	0	180	7	11 14 30	16	4 7 15
July	--	0	0	0	98	382	264	0	330	10	20 17 30	22	25 11 5
Aug.	--	0	1	1	91	396	256	0	290	11	3 6 30	24	3 6 30
Sept.	--	0	0	0	60	428	232	0	330	8	27 8 30	18	27 10 35
Oct.	27th	2	4	20	137	383	202	0	290	18	27 2 30	34	27 4 40
Nov.	--	0	3	9	88	358	265	0	300	13	30 23 30	29	30 23 10
Dec.	--	0	10	41	225	365	113	0	160	16	13 23 30	31	13 23 55
Year	27th Oct.	2	21	76	1458	4762	2486	0	290	18	Oct. 27 2 30	34	Oct. 27 4 40

TEMPERATURE IN THE GROUND AT DEPTHS OF 30 CM. (1 Foot) AND 122 CM. (4 Feet)
Readings, in degrees absolute, at 9h Greenwich Mean Time

153 ABERDEEN 1936

	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·7	76·7	74·1	76·0	75·6	76·1	79·5	78·1	80·9	79·2	83·1	82·1	87·8	84·9	88·2	86·0	87·4	86·6	84·6	85·5	80·0	82·5	77·3	79·0
2	75·7	76·7	74·1	75·9	75·5	76·2	79·9	78·2	81·2	79·2	83·0	82·2	87·8	85·0	88·0	86·0	86·9	86·5	84·5	85·3	80·0	82·4	77·0	79·0
3	76·2	76·7	74·1	75·9	75·2	76·2	79·4	78·2	81·5	79·3	83·2	82·3	88·0	85·0	87·6	86·0	86·6	86·5	84·1	85·2	80·1	82·3	76·9	79·0
4	76·0	76·8	74·2	75·9	74·9	76·1	78·7	78·5	81·5	79·5	83·3	82·3	87·8	85·0	87·3	86·1	87·0	86·3	83·9	85·1	80·0	82·1	76·9	79·0
5	75·3	76·9	74·1	75·9	74·7	76·2	78·8	78·5	81·8	79·7	83·4	82·3	88·9	85·0	87·1	86·1	87·7	86·4	83·8	85·0	79·9	82·0	76·6	78·9
6	75·6	76·9	74·1	75·8	74·9	76·2	78·5	78·5	81·4	79·8	84·0	82·4	89·0	85·1	87·0	86·0	87·8	86·3	83·1	85·0	79·6	81·9	76·1	78·8
7	76·4	76·8	74·1	75·8	75·1	76·1	78·4	78·5	81·2	79·9	84·3	82·4	89·0	85·2	86·8	86·0	87·7	86·3	82·8	84·9	79·9	81·9	75·9	78·8
8	76·7	76·9	74·1	75·8	75·6	76·1	79·0	78·5	82·1	80·0	84·2	82·4	88·6	85·2	87·2	86·0	87·2	86·3	82·3	84·8	80·2	81·7	75·7	78·7
9	76·9	76·9	74·0	75·8	76·3	76·1	79·0	78·5	82·6	80·0	84·6	82·5	88·2	85·3	88·0	86·0	87·3	86·3	82·5	84·7	80·0	81·6	75·6	78·5
10	77·3	77·0	74·0	75·8	76·2	76·2	79·4	78·6	82·9	80·1	85·3	82·7	88·5	85·4	87·7	86·0	87·2	86·3	82·8	84·3	79·2	81·5	75·5	78·3
11	77·0	77·0	74·0	75·8	76·2	76·2	79·4	78·6	83·1	80·2	85·2	82·6	88·5	85·4	87·9	86·0	87·1	86·2	83·0	84·3	78·7	81·4	76·0	78·2
12	76·1	77·2	74·0	75·7	76·1	76·2	79·1	78·7	83·4	80·3	85·2	82·6	88·0	85·7	88·0	86·0	87·2	86·2	83·3	84·3	78·6	81·4	76·2	78·1
13	75·5	77·2	74·0	75·7	76·2	76·3	79·0	78·8	83·1	80·6	85·0	82·9	88·0	85·8	88·1	86·1	87·0	86·2	83·2	84·1	79·0	81·2	76·1	78·1
14	75·1	77·1	74·0	75·6	76·2	76·5	78·9	78·8	83·3	80·9	85·0	83·0	88·4	85·8	87·9	86·2	87·0	86·4	82·9	84·1	78·5	81·0	76·0	78·0
15	75·0	77·1	74·0	75·6	76·0	76·5	78·4	78·8	83·5	81·0	84·9	83·0	88·0	85·8	88·0	86·3	87·0	86·3	83·0	84·1	78·5	80·9	76·0	78·0
16	74·9	77·0	74·0	75·6	76·3	76·5	78·5	78·8	83·5	81·0	85·0	83·0	88·2	85·9	88·6	86·3	87·0	86·4	82·9	84·0	78·3	80·8	75·9	77·9
17	74·8	77·0	74·0	75·6	76·9	76·5	78·6	78·8	83·5	81·1	85·0	83·0	88·1	85·9	88·9	86·4	87·3	86·3	82·8	83·9	78·1	80·7	75·9	77·9
18	74·7	76·9	74·0	75·5	77·7	76·6	78·5	78·8	82·1	81·3	85·5	83·1	88·2	85·9	88·5	86·5	87·6	86·3	82·7	83·9	78·2	80·5	76·4	77·9
19	74·6	76·8	74·5	75·5	77·9	76·8	78·5	78·8	84·0	81·2	86·3	83·2	88·2	86·0	88·0	86·5	87·5	86·3	82·0	83·8	78·2	80·5	76·5	77·8
20	74·5	76·7	75·0	75·5	77·9	76·8	78·3	78·8	84·2	81·2	87·0	83·1	88·3	86·0	87·8	86·5	87·2	86·3	81·4	83·8	78·1	80·4	76·7	77·8
21	74·5	76·6	75·3	75·5	78·0	77·0	78·1	78·8	83·7	81·5	87·4	83·5	88·0	86·0	87·8	86·3	87·2	86·3	81·8	83·5	77·8	80·1	77·3	77·8
22	74·4	76·5	75·3	75·6	78·5	77·1	78·0	78·7	83·6	81·7	88·0	83·6	87·9	86·0	87·8	86·3	87·1	86·3	82·5	83·5	77·1	80·2	77·5	77·9
23	74·4	76·5	75·6	75·7	78·8	77·1	77·8	78·7	83·0	81·8	88·4	83·8	87·4	86·0	87·7	86·3	86·7	86·3	83·0	83·4	76·7	80·1	77·0	77·9
24	74·4	76·5	75·7	75·8	79·0	77·4	78·5	78·6	83·6	81·8	84·7	84·0	87·0	86·0	87·3	86·4	86·5	86·3	82·6	83·3	76·5	80·0	76·7	78·0
25	74·3	76·4	75·8	75·8	79·0	77·4	78·9	78·6	83·9	81·8	88·5	84·1	87·0	86·0	88·0	86·3	86·2	86·1	82·2	83·2	76·3	79·8	77·2	77·9
26	74·0	76·1	75·9	76·0	78·9	77·6	79·8	78·7	83·9	81·9	88·3	84·3	87·0	86·0	88·0	86·3	85·5	86·2	81·2	83·2	76·1	79·5	77·8	77·9
27	74·1	76·1	75·7	76·0	78·5	77·7	80·0	78·8	84·0	82·0	88·5	84·5	87·0	86·0	88·1	86·5	85·0	86·1	81·0	83·1	76·6	79·2	77·1	78·0
28	74·1	76·1	75·5	76·1	78·4	77·9	80·4	78·8	84·1	82·0	88·9	84·6	87·4	86·0	88·1	86·5	84·5	86·0	80·5	83·0	76·5	79·3	76·7	78·0
29	74·1	76·0	75·6	76·1	78·5	77·9	80·3	79·0	84·0	82·1	88·8	84·7	87·6	85·9	88·2	86·5	84·4	85·9	80·1	83·0	76·5	79·1	76·7	78·0
30	74·1	76·0	—	—	78·8	77·9	80·5	79·1	83·8	82·2	88·5	84·8	87·7	86·0	88·5	86·6	84·6	85·7	80·6	82·8	77·3	79·0	76·5	78·0
31	74·1	76·0	—	—	79·4	78·0	—	—	83·1	82·2	—	—	87·5	86·0	87·9	86·5	—	—	80·5	82·6	—	—	77·0	78·0
Mean	75·2	76·7	74·6	75·8	77·0	76·8	79·0	78·7	83·0	80·9	85·7	83·2	88·0	85·7	87·9	86·2	86·7	86·3	82·5	84·0	78·3	82·8	76·5	78·2
																					Year		81·2	81·3

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h to 7h G.M.T.
Readings in degrees absolute

154 ABERDEEN 1936

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	71·8	70·4	73·8	74·7	76·6	71·7	81·6	83·0	76·5	76·7	74·7	73·7
2	76·3	71·0	71·3	75·5	72·2	73·4	86·1	79·4	81·5	76·2	73·1	74·0
3	76·4	69·4	67·0	75·2	75·4	72·8	83·1	83·6	84·7	75·4	75·0	71·1
4	72·0	65·9	69·6	67·2	77·3	75·6	85·1	82·6	86·3	73·6	73·5	75·8
5	68·5	62·3	68·0	75·0	79·1	71·6	80·4	79·3	84·1	76·4	76·1	70·8
6	77·6	72·4	71·9	69·4	80·2	78·9	82·7	78·9	82·9	70·6	73·1	67·3
7	77·6	74·7	68·6	73·3	80·0	78·8	84·8	76·8	82·1	72·0	77·7	67·2
8	76·4	70·0	77·1	75·6	74·4	77·7	83·9	82·4	83·7	72·1	78·3	69·7
9	74·8	66·3	75·3	71·7	75·0	77·1	80·4	85·7	77·2	78·4	73·0	69·7
10	78·4	73·3	74·4	72·1	73·9	80·6	81·6	77·3	80·6	79·5	67·9	74·0
11	72·8	70·7	67·3	74·7	72·8	74·2	84·1	79·4	86·1	79·1	69·0	76·4
12	70·3	68·1	73·8	72·8	80·2	82·3	84·2	85·3	86·1	81·2	74·4	74·9
13	71·2	65·2	71·1	71·8	81·1	75·4	83·1	81·8	79·1	76·4	74·1	68·3
14	69·3	73·3	72·9	73·3	72·8	72·7	82·3	84·7	78·6	76·0	70·2	76·8
15	71·6	73·3	70·5	74·3	79·9	80·5	78·7	84·7	83·0	80·3	72·1	70·2
16	66·8	66·3	68·6	72·9	80·9	75·8	83·1	81·9	81·6	77·9	73·4	74·1
17	66·8	69·1	77·8	71·2	78·9	83·1	82·9	84·6	81·8	80·0	72·1	73·3
18	69·2	76·3	77·1	71·6	81·3	75·5	85·7	80·7	82·7	78·4	74·6	79·1
19	66·8	77·9	77·9	71·6	81·5	78·6	86·2	77·4	85·0	72·3	72·1	73·6
20	62·3	73·3	75·8	71·9	79·7	78·4	85·1	76·3	81·4	73·8	71·5	79·4
21	72·9	72·2	73·8	69·4	74·9	79·2	81·9	83·1	84·5	79·1	67·5	77·3
22	69·0	72·5	75·2	66·9	73·3	82·2	76·4	79·6	78·7	82·4	68·6	76·1
23	68·6	74·6	77·6	69·7	77·2	86·0	77·4	83·0	75·2	81·4	68·8	70·6
24	67·8	75·8	77·5	76·9	75·5	85·8	83·7	77·5	79·9	74·7	66·6	76·9
25	68·5	73·6	77·4	76·9	78·4	83·3	84·4	84·6	83·1	74·7	71·1	78·6
26	76·4	74·1	76·2	75·7	81·4	78·3	83·7	82·5	73·3	71·8	75·8	78·4
27	70·0	69·3	77·5	76·0	80·8	79·7	75·6	79·1	78·0	76·3	71·3	68·6
28	71·3	73·6	77·8	78·8	74·7	85·3	77·9	77·9	74·3	75·2	71·8	76·7
29	66·2	74·4	77·7	71·7	79·5	84·7	81·3	79·0	77·0	69·4	74·0	74·7
30	74·6	—	79·5	71·6	75·4	83·8	80·2	85·6	79·4	78·1	79·3	69·6
31	70·0	—	76·8	—	72·7	—	84·8	80·9	—	69·9	—	80·8
Mean	71·4	71·4	74·1	73·0	77·3	78·8	82·3	81·2	80·9	76·1	72·7	73·8
											Year	76·1

Notes.- (1) The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0
(2) The minimum "on the grass" refers to the interval from 18h on the previous day to 7h on the day to which it is entered

155 ABERDEEN — JANUARY, 1936

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	---	Ac:As:Cs	St	0	1	10	10	10	10	j	F	E	E	H	H	...	...	...	...	●	●	bc, b␣, bcff, cff ⊕ *a* : off, ● *p* : o●, o *n*.
2	St	Cb:Fn	Fn:Ns	10	9	10	10	10	10	i	G	G	H	H	H	...	...	●²	●⁰	●⁰	●⁰	o, ●⁰, c, p●² *a* : cp●, i●⁰ *p* : ci●⁰, p● *n*.
3	Cu:Sc	Cu:Sc	Cb:Sc	7	4	7	2	5	1	j	j	k	j	j	k	...	...	...	...	...	...	c, bc *a* : bc, b, bcp●, ⋓ *p* : bc, cp●, b *n*.
4	Sc	Cb:Sc	Cc	1	1	1	1	1	2	k	k	k	j	j	j	...	...	...	...	...	...	bc, b␣, b *a* : b, b␣ *p* : b␣⋓ *n*.
5	Cu:As	Fn	Fn	10	10	10	10	10	10	j	j	i	i	H	i	...	●⁰	●	●	●	●⁰	b␣, c␣, p●⁰, o● *a* : o● *p* : o●, ●⁰, ● *n*.
6	Fn	Cb:Fn:As	Cb:Fn:Ac	10	10	9	10	7	10	i	G	H	i	j	j	...	...	...	...	...	●⁰	o●⁰, ●q, c, p●⁰ *a* : c, bc, ⊕, ⋓ *p* : bc, cp● *n*.
7	Cb:Fn	Cb:Fn:Sc	Sc:Ac	10	10	10	10	4	9	i	G	G	G	H	H	●	...	...	●⁰	...	...	cp● *a* : cp●⁰, bc *p* : bc, c, p● *n*.
8	Cb:Sc	Cb:Sc	Sc:As	9	10	10	10	10	10	j	i	G	G	H	H	●	...	...	...	...	...	cp●, c *a* : c *p* : c, o●⁰, c, bc *n*.
9	Sc	Fn:Cb:Ac:Cs	Fn:Ns	10	10	10	10	10	10	i	F	H	G	G	H	...	...	...	...	●	●⁰	bc, ⌓, c, p● *a* : c, ●⁰, ● *p* : c●, ●², bc, c *n*.
10	Ac:As:Cs	Sc:Ac:As:Ci	Sc:Ac:As	10	9	7	4	8	9	j	k	j	k	k	k	...	...	...	...	...	...	c●⁰, bc, *a* : bc, c *p* : c *n*.
11	Sc	Fn:Cb	Sc	2	3	1	1	1	0	k	k	l	j	j	k	...	...	...	...	...	...	c, p●⁰, b, cp✱⁰, b *a* : b, bc, by, b *p* : b *n*.
12	Sc:Ac	Ac:Cs:Cc	Ac:Cc	3	1	4	5	8	3	k	l	l	l	i	k	...	...	...	...	...	...	b, ␣, bc␣, ⋓, b, bc⊕ *a* : bc, c *p* : c, bc⋓, cqp● *n*.
13	Cu:Sc	Cb	Fn:Cb	1	2	1	7	4	9	k	k	l	k	k	j	...	...	...	...	...	✱⁰	cp●, b, bcp✱⁰ *a* : b, bcp✱ *p* : bc, cp✱ *n*.
14	Fn:Cb	Cb:Sc	Sc	1	5	9	9	10	10	l	F	j	i	j	H	...	✱	...	...	...	...	b, cp✱⊠ *a* : c, bc, o *p* : o, c *n*.
15	Sc	Sc:Cs	Sc	4	9	8	8	8	4	k	j	k	i	G	H	...	...	...	...	...	...	⊠c, bc, c⊕ *a* : c, c *p* : c, bc *n*.
16	Sc:Cs	Ns	Sc	9	10	10	6	1	3	i	E	F	k	j	j	...	...	✱⁰	...	...	...	bc, ⋓cf, o✱⁰ *a* : o✱⁰, b *p* : cp✱⁰, b *n*.
17	Sc:Ac	As:Cs	Ns	1	2	9	10	10	10	k	i	j	H	i	G	...	...	...	✱⁰	✱⁰	✱⁰	bcp✱⁰, ⊠b, c *a* : c, o✱, ✱⁰ *p* : ✱⁰, ✱, bc *n*.
18	Cb	Cb:Sc	Cb:Sc	1	5	2	3	2	2	j	k	k	k	k	j	...	✱⁰	...	...	...	...	⊠b, bcp✱ *a* : bcp✱⁰, b *p* : b *n*.
19	Cb	Cb	---	2	1	1	0	0	0	j	j	i	H	G	G	...	...	...	...	...	...	⊠bcp✱⁰, b *a* : b *p* : b, ␣ *n*.
20	Fn:As	Fn	Fn	10	10	10	10	10	10	i	k	H	i	H	i	...	...	✱	✱	✱	✱	⊠b␣, c, p●²▲², ✱ *a* : oq✱ *p* : o✱, c *n*.
21	Fn:As	Cb:Cs:Ci	Fn:Cb:Ac:As	10	10	6	9	8	10	j	H	j	j	j	j	...	✱	...	...	✱⁰	...	⊠c, o●⁰, ✱ *a* : c, p✱▲, ⏀, p✱⁰, *p*; p✱° c *n*.
22	Ac	Sc:Ci	Sc	1	1	1	1	1	0	k	j	i	i	H	i	...	...	...	...	...	...	⊠bc, b *a* : b *p* : b, cp✱⁰ *n*.
23	Ac	Sc	Sc	1	1	2	1	1	0	k	l	k	l	k	j	...	...	...	...	...	...	⊠bc, b *a* : b *p* : b, ␣ *n*.
24	Sc	As	Sc	8	9	10	9	9	0	j	D	E	H	G	F	...	...	...	...	...	...	⊠b␣, of *a* : of, ●⁰, c *p* : c, b, cm *n*.
25	Fn	Cu:Ns	Fn:Ns	10	10	10	10	10	10	G	H	k	i	H	j	●⁰	●⁰	...	●⁰	●⁰	...	⊠c, o●⁰, c *a* : c, ●⁰ *p* : cd$_0$d$_0$, o, ● *n*.
26	St	Sc:As	Sc	10	10	10	9	7	0	G	C	F	G	i	i	●⁰	●⁰	...	...	...	...	o●, d$_0$d$_0$F, c *a* : c, bc *p* : bc, b, ␣ *n*.
27	Fn:Ac:As	Fn:Ns	Ac:As	9	9	10	10	4	1	j	G	H	H	H	i	...	●⁰	●⁰	...	...	...	b, c●⁰ *a* : c●⁰, c *p* : b, ␣, c, ●⁰ *n*.
28	Sc:Ac:Ci	Ns:Cs	Ac:As	7	9	9	7	4	0	j	G	G	G	G	G	...	...	...	...	...	...	c●⁰, bc, c *a* : c, bc *p* : bc, b, ␣ *n*.
29	Sc	Fn:Cb:Ac	Fn:Ns	10	10	9	10	10	10	G	D	G	G	H	i	...	...	...	●⁰	●⁰	●⁰	b␣, c, f, ⊕, p●⁰ *a* : cp●, ●⁰ *p* : o●⁰ *n*.
30	Fn:Ns	Sc	Sc	10	9	4	1	2	4	j	i	j	j	G	H	...	...	...	...	...	...	o●⁰, c, f, bc *a* : bc, b *p* : bc, cp●⁰ *n*.
31	Sc:Ci	Ac:Ci	Ac	1	8	9	8	3	9	H	D	F	G	F	F	...	...	...	...	...	...	c, b␣, cf, ⏀⊕ *a* : c, bc, cf, bc *p* : bcm, cm *n*.
Mean Cloud Am'nt.				6·1	6·7	7·1	6·6	6·6	6·1	5·7												

156 ABERDEEN — FEBRUARY, 1936

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Sc:Ci	Sc:Ac:Ci	Fs:Sc	8	9	2	8	8	9	i	H	j	j	j	j	...	...	...	...	...	...	c, bc␣, cf, b *a* : b, c *p* : c, bc *n*.
2	Sc	Fn:Cb	Cb:Sc	1	2	9	4	2	1	k	k	H	k	k	k	...	...	✱	...	...	...	bc, b␣, p✱, p✱⁰ *a* : bcp✱⁰, b *p* : b *n*.
3	Cb	Fn:Cb	Fn:Cb	2	10	2	9	2	2	k	H	l	i	k	j	...	✱⁰	...	✱	...	...	⊠b, cqp✱, b *a* : bcqp✱, b *p* : b, cp✱⁰, b *n*.
4	Cb	Cb:Ac	Sc:Ac	1	1	1	1	3	4	k	k	l	j	i	H	...	...	...	...	...	...	⊠b, cp✱, b *a* : b, y, bc *p* : bc⋓, b *n*.
5	Cb	Sc:Cs	Ci:Cs	1	1	3	·7	8	6	i	E	E	G	G	j	...	...	...	...	...	...	⊠b, ␣, f *a* : bcf, y, c, ⋓ *p* : cy, bc *n*.
6	As	St:Cs	Ac:As:Cs	10	10	10	9	9	10	i	G	G	H	H	j	...	...	...	...	...	...	c, o, c *a* : c *p* : c *n*.
7	Ac:As	St:As	Ac:As	10	10	10	10	10	9	j	i	H	H	G	H	...	...	●⁰	...	...	...	c, i●⁰ *a* : ●⁰, c *p* : c⋓, bc *n*.
8	Ac:Cs	Ci:Cs	Ac:Ci:Cc	8	9	6	8	3	7	j	H	H	G	H	i	...	...	...	...	...	...	bc␣, c, y, bc⊕ *a* : bc, c, bc␣ *p* : bc␣⋓ *n*.
9	Ac:Ci	Ac	St:Sc:Ac	3	9	9	10	9	10	j	j	H	H	j	j	...	...	...	...	●⁰	...	b␣⋓c *a* : c, d$_0$ *p* : d$_0$ c *n*.
10	Sc	Sc	St:Sc	8	7	2	2	9	9	k	j	j	j	i	j	...	...	...	...	...	...	c, bcy, by *a* : by, cy *p* : cy, b, ␣ *n*.
11	Sc:Ac	Sc	Sc	3	5	3	5	6	9	j	F	j	i	G	i	...	...	...	...	...	...	bc␣, bc *a* : bc *p* : bc, c *n*.
12	Sc	Sc	---	10	9	·9	3	0	0	j	H	j	i	F	F	...	...	...	...	...	...	c *a* : c, b, z *p* : bz, ␣, bf *n*.
13	Sc	Sc	Sc	10	9	9	9	9	10	H	E	H	H	H	i	...	...	...	...	...	...	bm␣, cf, c *a* : c *p* : c *n*.
14	Sc	Cu:Sc	Fn:As	10	10	10	10	10	10	j	H	i	i	H	H	...	...	...	...	...	...	c *a* : c *p* : c, o●⁰ *n*.
15	Fn	---	Ac:As:Cs	10	5	0	0	7	0	G	F	H	G	E	E	...	...	...	...	...	...	●⁰, o, bc, ff, b *a* : b, bc, f *p* : bcff, b, ␣ *n*.
16	Sc:Ac	Sc:Ac:As:Ci	Sc:Ac:As	2	4	4	9	9	0	j	F	i	G	F	E	...	...	...	...	...	...	b␣, bc, ff, bc *a* : bc, c, z *p* : cz, bcff, ␣c *n*.
17	Fn:Cs	Fn:St:As	Fn:As	10	10	10	10	10	10	G	H	i	i	H	i	...	...	●⁰	...	...	●⁰	␣, bffe, c, d$_0$ *a* : d$_0$c, ●⁰ *p* : c, ●, d$_0$, ● *n*.
18	Fn	Fn	Fn:St	10	10	10	10	10	10	H	H	H	G	F	E	...	●	●	●⁰	...	...	oi●, ● *a* : ●⁰, c, om *p* : om, f, p● *n*.
19	Fn:Ac:As	Fs:Fc:Cu	Fn:As	9	8	4	8	10	8	j	i	i	H	G	i	...	...	...	...	●	...	p●, qc, bc *a* : bc, c, ● *p* : c●⁰, bc *n*.
20	St:Sc	Cu:Sc:Ac	Sc:Ac:Cc:Ci	9	9	6	4	7	9	j	i	j	j	i	j	...	...	...	...	...	...	c, bc *a* : bc *p* : bc, c *n*.
21	Sc:Ac:As	Fn	Fn	9	10	10	10	10	10	i	H	H	H	G	H	...	●⁰	●	●⁰	...	...	c, ●⁰, o● *a* : ●, o *p* : o, i●⁰, c *n*.
22	Sc:Ac	Fn:Sc	Fs:Sc	5	4	9	9	9	9	i	H	H	i	H	i	...	...	...	...	...	...	c, bc, c *a* : c *p* : c *n*.
23	Fn	Fn	Fn	10	10	10	10	10	10	H	i	H	H	H	i	●	●	●⁰	●⁰	●⁰	●⁰	c, o●, ▲, d$_0$ *a* : id$_0$ *p* : od$_0$, ●⁰ *n*.
24	Fn	Cu:Sc	Fn:Cu:Sc	10	10	10	10	10	10	i	i	i	j	k	j	●⁰	●⁰	...	...	●⁰	...	o●⁰, id$_0$, c *a* : cd$_0$, c, p●⁰▲⁰ *p* : c, p●⁰ *n*.
25	Sc	Cu:Sc:Cc:Ci	Sc:Ac:Cs:Cc	10	9	9	9	9	7	i	H	k	j	H	j	...	...	...	...	...	...	c, bc, c *a* : c, y, c *p* : c, bc, c *n*.
26	Sc:Ac:As	Cu:Sc:Ac:As	Sc	9	10	9	7	2	6	i	i	H	k	H	i	...	...	...	...	...	...	c *a* : c, b *p* : b, bc, b *n*.
27	Sc	Cu:Sc	Cb:Sc	1	1	7	10	9	10	k	H	i	i	i	H	...	...	...	...	...	...	b, ␣, b, c *a* : bc, cp●⁰ *p* : c, b, c *n*.
28	Cu:Sc:Cs	Fn:Cb:Ns	Fn:Ns	9	8	10	10	10	10	G	i	H	H	H	i	...	...	●⁰	●⁰	●⁰	...	cp●, b⌓, c, ●⁰ *a* : c●⁰, i●, ●⁰ *p* : oi●⁰ *n*.
29	Cu:As	Fn:Cb:As	Fn:As	10	10	10	10	10	10	k	k	j	i	H	H	...	✱⁰	...	●⁰	●⁰	●⁰	o, cp✱⁰ *a* : cp●⁰, i●⁰▲⁰ *p* : ci●⁰ *n*.
Mean Cloud Am'nt.				7·2	7·6	7·0	7·0	7·6	7·6	7·4												

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.

157 ABERDEEN MARCH, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Fn:As	Cu:Sc:As	Cu:Sc:Ac:As	10	10	10	10	5	2	i	i	j	j	j	j	●°	…	…	…	…	…	ci ●°, p✱° *a* : cp✱°, bc *p* : p✱°, b⌴ *n*.
2	Cu:Sc:Ac	Cu:Ac:Ci	Sc:Ci	9	4	5	2	1	1	j	k	l	k	H	j	…	…	…	…	…	…	b⌴, cp✱°, bc *a* : bc, b *p* : b, ⌴ *n*.
3	Ac:As:Cs	Sc:Ac:As	Sc:Ac	9	9	9	9	3	4	j	E	H	i	F	G	…	…	…	…	…	…	b⌴, cf, c *a* : c, bc, z *p* : bcz, bc, b *n*.
4	Cu:Ac	Fn:Ac:As	Fn:Ns	4	6	10	10	10	6	H	H	H	H	H	i	…	…	…	●°	✱°	…	b⌴, c *a* : c, ●°, ✱° *p* : c✱°, b⌴ *n*.
5	Sc:Ns:Ci	Fc:Ac:Ci:Cc	Sc:Ac:As:Cc	9	8	2	9	7	8	k	H	k	j	i	i	…	…	…	●°	…	…	b⌴, c⌴, b *a* : b, c●°, bc *p* : bc, c, bc *n*.
6	Sc:Ac:As:Ci	Cu:Sc:Ac:Ci	Sc:Ac:Ci	6	3	4	6	6	7	k	k	k	j	i	j	…	…	…	…	…	…	bc, c●°, bc, y *a* : bcy, bc *p* : bc *n*.
7	Ac:Cs	Fn:Fc:As:Cs	Fn:Ac	10	9	10	10	10	10	H	H	i	H	H	i	…	…	…	…	●°	●°	bc⌴, c⌴, f, ⊕ *a* : c, c●° *p* : c●°, o *n*.
8	Fn:St	Fn:St:Ac:As	St:Sc:Ac:As	10	10	9	10	10	10	i	H	G	H	E	H	●°	●°	…	…	…	●°	oi ●°, c *a* : c, f *p* : cf, d_0d_0, c *n*.
9	Fn	Fn:Ns	Ns	10	10	10	10	10	10	i	i	i	j	j	j	●	✱	●°	●°	●°	●°	c, ●o, ✱, ●° *a* : o●° *p* : o●° *n*.
10	Ns	Cu:Sc:Ac:As	Fn:Cb:Ac:Ci	10	10	9	8	8	0	j	j	k	k	j	i	…	…	…	…	●°	…	o●°, o, c *a* : c, p●° *p* : cp●°, b *n*.
11	Sc:Ci	Cu:Ac	Sc:Ac	2	1	3	6	8	9	G	F	i	i	i	i	…	…	…	…	…	…	b⌴, z, bc *a* : bc, c *p* : c *n*.
12	Sc:Ac:As:Ci	Sc:Ac	Ac:As	8	8	8	7	6	9	i	H	H	i	H	i	…	…	…	…	…	…	c *a* : c, bc *p* : bc, c *n*.
13	Fc:Ac:As:Ci	Sc	Sc:Ci	3	2	3	5	4	9	i	H	i	i	H	i	…	…	…	…	…	…	c, b, bcy *a* : bcy, bc *p* : bc, c *n*.
14	Sc:Ac:As	Sc	Sc	10	8	9	9	9	9	i	H	H	i	H	H	…	…	…	…	…	…	c, y⊕ *a* : cy *p* : c *n*.
15	Fn:Ac:As:Ci	Cu:Cs	Sc:Ac:Cc	7	6	5	2	5	7	j	j	k	k	j	j	●°	…	…	…	…	…	bc, p●°, ⊕ *a* : bcy, b, bc *p* : bc, ⌴, c *n*.
16	As	Ac:As	Sc	10	10	10	10	10	10	i	H	k	j	i	i	●°	●°	…	…	…	●°	c, ●°, c *a* : c *p* : c, ●°, c *n*.
17	Sc	Sc:Ac:As	Sc:Ac:As	9	9	10	9	10	9	j	i	H	i	i	j	…	…	…	…	…	…	c *a* : c, ●° *p* : c *n*.
18	Sc:Cs	Ac:As	Ac:As	9	9	10	10	10	10	k	k	i	i	i	j	…	…	…	●°	●°	…	c, i●° *a* : c, i●° *p* : ci●°, c *n*.
19	St	Fs:Ac	Ac:Cc:Cs	10	10	8	6	9	10	E	E	G	i	G	i	●°	…	…	…	…	…	c●°, if, Fe, e *a* : c, bc, c *p* : c, b, c *n*.
20	St:As	St	Sc:Ci	10	10	10	10	9	0	H	G	F	F	F	F	…	…	…	…	…	…	c, om *a* : om, cz *p* : cz, bm, cp●° *n*.
21	Sc:Ac:Ci:Cc	Cu:Ac	Fs:Ac:Cs:Cc	7	8	1	0	7	9	i	i	i	G	H	H	…	…	…	…	…	…	c, bc⌓, c, b *a* : b, bc *p* : bc⌓, c⌓ *n*.
22	Fs:As:Cs	Cs	St	10	10	10	9	10	1	G	H	H	H	H	H	…	…	…	…	…	…	c⌓, c⊕ *a* : c, o *p* : o, b, ⌓, c ⌓ *n*.
23	Sc:Ac:Cs	Fn:Cb:Ac:As	Ac:As	4	9	9	9	8	2	i	i	H	j	i	j	…	…	…	●°	…	…	c, bc⌓, c, p● *a* : ci●° *p* : c, b, ⌓ *n*.
24	St:Ac:As	Cu:Ac	Sc:Ac:As:Cs	10	9	5	6	3	10	H	H	H	i	H	H	…	…	…	…	…	…	b⌓, c, bc *a* : bc, ⊕, *p* : bc, cm *n*.
25	St:Fn	Fn:As	Fn	10	10	10	10	10	10	G	H	H	G	G	i	●°	●°	●°	●°	●°	●°	c, od_0, cid_0 *a* : oid_0 *p* : oid_0 *n*.
26	St:Sc	St	Fn	10	10	10	10	10	10	j	j	H	H	j	j	…	●°	…	●°	…	…	cid_0, oid_0, o *a* : o, od_0, o *p* : o *n*.
27	Sc	St:Sc	Fn	10	10	10	10	10	10	j	j	i	i	i	G	…	…	●°	●°	●°	●°	o, c, id_0 *a* : oi●° *p* : oi●° *n*.
28	St	St:As	St:As	10	10	10	10	10	10	C	C	G	H	F	F	…	…	●°	…	…	…	o, FFe, c●° *a* : c●°, c, m *p* : cm, off *n*.
29	St	St:As	Ns	10	10	10	10	10	10	C	C	E	H	H	D	…	…	●°	●	●°	●°	off, FFe, cf●° *a* : cf●°, ● *p* : o●°, i●, f● *n*.
30	Fs:St	Sc:Ac	Sc:Ac:Cs:Ci	10	9	9	8	6	7	G	G	k	k	j	j	●	…	…	…	…	…	o, d_0, ●, c *a* : cp●°, q, bc *p* : bc, c *n*.
31	Ac:As	Cu:Sc:As:Ci	Cu:Sc:Ac:Ci	9	8	8	9	4	1	i	i	k	j	k	k	…	…	…	▲	…	…	c, ●°, cy *a* : cy, p●, p▲q, bc *p* : bc, b, c *n*.
Mean Cloud Am'nt.				8·5	8·2	7·9	8·0	7·7	7·1													

158 ABERDEEN APRIL, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Sc:Cc	Cu:Sc:Cc:Ci	Sc	2	3	5	5	8	10	k	k	k	j	i	j	…	…	…	…	…	●°	c, p●°, b, bc *a* : bc, c *p* : cp●°, d_0 *n*.
2	Sc:Ac	Cb:Sc	Sc	9	7	10	9	9	10	k	l	j	l	m	j	…	…	●	…	…	…	c, bc, cp● *a* : c *p* : c●°, c *n*.
3	Sc:Ac:As	Cu:Sc	St:Sc	9	10	10	7	9	0	j	j	k	j	i	H	…	✱°	…	…	…	…	ci✱°, ✱°, c *a* : c, bc, c◑y *p* : c◑y, b, m *n*.
4	—	Cu:Sc	Cu:Sc	0	0	3	3	4	9	i	k	j	j	j	j	…	…	…	…	…	●°	bm ⌴, b, bc *a* : bc *p* : bc, cp●° *n*.
5	Cu:Sc	Cu:Sc	Cu:Sc	9	9	8	8	2	0	k	k	k	k	k	F	…	…	…	…	…	…	c, p●° *a* : cp●°, b *p* : b⌓, m, ⌴ *n*.
6	Sc:Cs:Cc	Fn:Cb:As	Cu:Sc:Cc	9	10	10	10	7	9	k	k	k	l	k	k	…	…	●°	…	…	…	b⌴, c⌴, i●°⊕ *a* : c●°, p●°, *p* : bc, cp●° *n*.
7	Cu:Sc:Cc	Fc:Sc:Ac:Cc	Sc:St:Ac	9	5	9	10	9	10	k	k	k	i	i	i	●°	…	…	…	…	…	c, p●, bc, y, c *a* : c *p* : c *n*.
8	Sc:Ac	Cu:Sc	Sc:Ac	8	7	9	9	2	0	j	k	j	k	j	i	…	…	…	…	…	…	c, bc ⌓, cp●° *a* : c, p●°, b *p* : b, ⌓ *n*.
9	Ac:Cc:Cs	Sc	Ci	5	3	3	1	1	1	k	k	k	j	j	H	…	…	…	…	…	…	b⌓, bc⊕ *a* : bc, b *p* : b, ⌓ *n*.
10	Sc:Cs:Cc	Cu:Sc:Cc	Sc:Ac:Cc	9	10	9	5	6	9	j	j	k	l	l	l	…	●°	…	…	…	●°	b⌓, cp●°, ⊕ *a* : c, bcy, bc *p* : bc, cp●°, bc *n*.
11	Cu:Sc	Fn:Cb	Fn:Cb	9	8	9	4	7	5	l	l	l	l	l	l	…	…	▲°	…	▲	…	bc, c, p●, ●▲, ✱° *a* : p●, bc, cp●▲ *p* : cp●▲, b *n*.
12	Fn:Cb	Cb:Ac	Sc	5	3	5	3	4	1	l	l	l	l	l	l	…	…	…	…	…	…	b, q, cp●°▲°, b, bcy *a* : bcy *p* : bcy, b *n*.
13	Cu:Ac:As:Cs	Cb:Sc:Ci	Cu:Sc:Cs	9	9	8	9	9	2	l	k	k	k	k	k	…	…	…	…	…	…	b, c, p▲, p●° *a* : c, p●°▲° *p* : c, b *n*.
14	St: Sc:Ac	Fn:Sc	Cb:Sc	9	10	10	9	9	10	j	j	j	k	k	j	…	…	…	…	…	…	b, c, ●°, q *a* : c, ●°, p✱°▲°, y *p* : cp✱°, c *n*.
15	Sc:Ac	Cu:Sc:Ci	Sc:Ci	9	8	9	9	5	7	j	k	l	l	l	k	…	…	…	…	…	…	c, p●°, cy *a* : cy, bcy *p* : bc, p●°, o✱ *n*.
16	Fn:Cb:Sc	Cu:Sc	Cu:Sc	9	5	6	7	4	1	1	1	1	k	j	j	…	…	…	✱°	…	…	o✱, bc, p✱°▲° *a* : bcy, p▲, p✱°▲° *p* : bcy, b⌓ *n*.
17	Fn:Cb:Ci	Cu:Sc	Fc:Cu:Sc:Ci	4	9	4	5	2	1	k	j	l	k	k	k	…	✱°	…	…	…	…	b⌓, cp✱°, p▲°q, bcy *a* : bcy, p✱°▲° *p* : by, b ⩊ *n*.
18	Cb:Ac	Fc:Cu:Sc	Cu:Cb:Sc:Ci	1	2	5	4	4	1	1	1	1	1	1	j	…	…	…	…	●°	…	b, ⌴, y, bcy *a* : bcy, p▲°, p●° *p* : qp●°, b *n*.
19	Fn:Cb:Sc:Ci	Cb:Sc:Ci	Fn:Cb:Ci	5	2	8	8	8	1	j	k	k	k	k	j	✱°	…	…	…	✱	…	b, ⌴, bcp✱°, p▲c *a* : bc, p✱°, p✱▲ *p* : p✱°▲°,
20	Cb:Sc:Ci	Cu:Cb:Sc	Cb	1	10	5	5	3	1	1	i	k	k	k	l	…	✱°	…	…	…	…	b, cp✱², p✱▲q *a* : bc, y, q *p* : bcy, b⩊ *n*. [b⩊ *n*.
21	Cb	Cb:Sc	Fn:Cb:Sc:Ac	1	4	7	9	9	8	1	1	1	F	G	j	…	…	…	✱°	✱°	…	cp✱°▲°, b, cp✱°▲° *a* : bc, c✱ *p* : ✱, p✱°, bc, ⩊ *n*.
22	Cb	Cb:Ci	Cu:Cb:Ci	7	9	4	7	3	2	1	1	k	k	k	k	…	✱°	…	…	…	…	⊛b, cp✱▲, p✱° *a* : bc, y, p✱°▲° *p* : b, p✱°▲°, ⩊ *n*.
23	Cu	Fc:Cs:Cc:Ci	Ac:As:Cs	1	3	3	8	9	10	j	k	j	j	i	i	…	…	…	…	…	…	b⌴, bc, y *a* : bcy, cy◑, ⊕, *p* : c, i●° *n*.
24	Fn:St:As	St:Cu:Ac?As:Cs	Ac:As	10	10	9	10	9	10	H	F	i	H	H	H	●°	●°	…	…	…	●°	ci●°, d_0d_0m, c⊕ *a* : c *p* : c, i●°, c *n*.
25	Fc	Cu:Cs	Cb:Sc:Ci	1	3	3	4	8	4	i	k	k	k	j	j	…	…	…	…	…	…	cp●°, b, y, bcy *a* : bcy, cy, c *p* : c, bc, b *n*.
26	Cu:Sc:Ac:As:Cc	Cu:Ac:As:Cc	Fn:Cb:Ac:As:Ci	6	8	8	8	9	1	j	k	k	k	l	l	…	…	…	…	…	…	b, ⌓, c, y *a* : cy *p* : cy, b *n*.
27	Cu:Sc:Ac	Cu:Sc	Cu:Sc:Ac	1	5	7	4	4	7	l	l	l	j	i	i	…	…	…	…	…	…	b, bc, y *a* : bcy◑ *p* : c, bc⩊, b *n*.
28	Cu:Sc:Ci	Fn:Ac:As	Cu:Sc:Ac:Ci	9	9	10	10	7	1	j	j	i	i	i	l	…	…	…	…	…	●°	b, c, ●° *a* : c, p●° *p* : c, b⌓ *n*.
29	Sc:Cc	Sc	Sc	9	9	9	9	7	9	k	l	j	j	i	j	…	…	…	…	…	…	b⌓, ⌴, c, y *a* : cy, c, bc *p* : cy, q *n*.
30	Sc:Cc:Ci	Cu:Sc:Ci	Cb:Sc:Ac:Ci	1	3	8	8	9	10	j	k	j	j	j	i	…	…	…	…	…	…	c, b⌓, bcy, cy *a* : cy *p* : cy, c, ●° *n*.
Mean Cloud Am'nt.				5·9	6·4	7·1	6·9	6·2	5·0													

159 ABERDEEN — MAY, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Sc	Fc:Cu:Sc:Cc	Sc:As:Cs	9	8	2	9	9	9	i	j	k	i	j	i	...	...	...	...	...	...	●⁰, c, b *a* : b, c⊕ *p* : c, bc, c *n*.
2	Sc:Ac:As:Cc:Cs:Ci	Cu	Ac	9	6	1	1	1	1	i	i	i	i	i	i	...	...	...	...	...	...	c, ♁, ⊕, bcy, by *a* : by *p* : b *n*.
3	—	St:Cc	St	0	0	2	10	9	10	i	i	i	j	j	j	...	...	...	...	...	...	b, ♁m, b *a* : bc, o, c *p* : c, o *n*.
4	St	St:Sc	Cu:Sc	9	9	9	9	9	10	j	k	k	k	j	j	...	...	...	...	...	...	o, c *a* : c *p* : c, b, c *n*.
5	St	St	St	10	10	10	10	10	10	E	F	F	E	E	F	●⁰	●⁰	●⁰	●⁰	●⁰	●⁰	c, d_0m, ●f, dm *a* : od$_0$d$_0$f, t▲, i●, d_0d$_0$f *p* : f, id$_0$ *n*.
6	St	St	St	10	10	10	10	10	10	i	H	G	H	F	G	...	●⁰	●	...	●⁰	●⁰	o, id$_0$, i● *a* : oi●, ●², id$_0$m *p* : om●⁰, dd, id *n*.
7	St:Ac:As	St:Ac:Cc	St	10	9	2	2	6	10	G	i	j	j	i	i	...	...	...	...	...	...	id$_0$, c, b *a* : b, bc *p* : b, c *n*.
8	—	Cu	—	0	0	1	0	0	0	H	k	k	j	j	k	...	...	...	...	...	...	c, b♁, b *a* : b *p* : b, ♁ *n*.
9	Sc	Sc	Cu:Sc	9	3	1	1	1	1	j	k	l	l	j	j	...	...	...	...	...	...	b♁, c, by, b *a* : b *p* : b, ♁ *n*.
10	Sc	—	Sc	1	1	0	0	1	1	k	k	k	k	j	H	...	...	...	...	...	...	b♁, y, b *a* : b *p* : b, ♁ *n*.
11	—	Cu	Sc	0	1	1	1	1	1	H	j	k	j	j	j	...	...	...	...	...	...	b♁, ⌊, y *a* : by, b *p* : b, of *n*.
12	St	St	St:Ac:As	10	10	10	10	9	10	F	H	E	i	i	G	...	●⁰	●⁰	●⁰	...	●⁰	ofe, c●⁰, f *a* : of●⁰, c *p* : c, ●⁰, d$_0$ *n*.
13	St:Cu:Sc	St	Sc:As	9	10	10	7	10	10	j	G	G	i	i	i	...	●	...	...	...	...	o, p●, c, ifi●, o *a* : o, bc, c⊕ *p* : c, i●⁰ *n*.
14	Cb:Ci	Fc:Cu:Sc:Cs:Ci	Cc	2	2	8	9	6	10	l	k	j	j	j	j	...	...	...	...	...	...	cp●⁰, b, y, bc⊕ *a* : cy⊕, bc *p* : bc, c *n*.
15	Sc:Ac:Cc: Cs:Ci	Fs:Ac:As	Fs:Ac:As	7	8	8	9	8	10	i	i	i	H	i	i	...	...	...	...	...	...	c, bc, c⊕⊕ *a* : c, i●⁰, c *p* : c *n*.
16	Sc:Ac:Ci	Fs:Ac:Ci	Sc:Ac:As	8	9	6	8	9	2	i	i	i	i	j	i	...	...	...	...	...	...	c, bc♁, c, bc *a* : bc, c *p* : c, b, ♁, o *n*.
17	St	St	St	10	10	10	10	10	10	i	i	H	H	G	G	...	...	...	...	●⁰	●⁰	♁, o *a* : o, ●, ●⁰ *p* : oi●⁰, ●², f *n*.
18	St	Sc:Ac:Ci	St	10	10	2	6	9	10	E	H	j	i	i	H	...	...	...	...	...	...	off, o, b *a* : b, c *p* : c, o *n*.
19	St	Cu:Sc:Cc	St	10	9	2	9	9	10	i	i	H	F	F	k	...	...	...	...	...	...	o, b *a* : b, oif, cm *p* : cm, c *n*.
20	Cu:Sc:Ac	Sc	Sc	9	9	9	9	6	5	l	l	l	k	j	j	...	...	...	...	...	...	c, y *a* : cy, bcy *p* : bcy, bc, p●⁰ *n*.
21	St:Fc:Cu:Ac	Sc:Fc	Ac:Ci	4	9	3	2	4	6	k	k	l	l	l	k	...	●⁰	...	...	...	...	cp●, b, cp●⁰, bcy *a* : bcy *p* : bcy, ⊕, c *n*.
22	Sc:Ac:As:Cs:Cc:Ci	Fn:As	Fn:Ns	9	10	10	10	10	9	j	j	i	j	j	j	...	...	●²	●⁰	●⁰	...	⊕, ⊕, ●² *a* : c●², o●⁰ *p* : c●⁰, c *n*.
23	St:Sc	Cu	Cu:Ac	9	7	1	1	1	10	k	k	l	l	l	k	...	...	...	...	...	...	c●⁰, p●⁰, b *a* : b *p* : b, c *n*.
24	Fs:Fc:Ac:Cc:Cs:Ci	Fc:Ac:Cs	Fc:Ac:Cs:Ci	8	7	4	3	6	6	l	l	k	l	k	j	...	...	...	...	...	...	bc, c, ⊕, bc⊕, ⊕ *a* : bc⊕ *p* : bc⊕, c, p●⁰ *n*.
25	St:Sc:Ac:As	Fs:Ac:As	St:Sc	10	10	10	10	10	10	j	j	j	i	H	H	●⁰	●	...	...	...	...	p●⁰, ci●⁰ *a* : ci●⁰, c *p* c *n*
26	Sc:Ac	Cu:Sc:Ac	Cb:Ac	9	7	3	2	8	9	i	j	k	j	i	j	...	...	...	...	...	...	c, bc⊕ *a* : bc, b, c *p* : c *n*.
27	Fn:Cb:Sc	Cu:Sc	Cu:Sc	9	8	9	7	6	9	k	l	k	k	k	k	...	...	...	...	...	●⁰	c, p●⁰, y *a* : cy, bcy *p* : bcy, c, p●⁰ *n*.
28	Fc:Sc:Ac	St:Sc	Fn:Ns	2	9	9	10	10	9	k	k	k	i	H	j	...	...	...	●⁰	●⁰	...	c, b⊖, cy *a* : cy, i●⁰ *p* : c●⁰, c *n*.
29	Cu:Sc	Cb:Cu	Fn:Cb:Ac	7	9	9	9	9	9	l	l	l	k	j	j	...	...	...	...	●⁰	...	c, p●⁰ *a* : c, bc, c, p●⁰ *p* : c, i●⁰ *n*.
30	Cu:Cb:Cs:Ci	Cb:Sc	Cb:Ci	7	9	9	7	7	2	l	j	l	l	l	k	...	▲²	...	...	●⁰	...	c, bc, cp●²▲², q, y⊕ *a* : bcy, cp●²▲² *p* : bcp●
31	Cb:Sc:Ac	Cu:Cb:Ci	Fn:Cb	6	5	6	8	6	2	k	k	l	k	k	i	...	...	...	...	...	...	bc, p●, qp●c *a* : bc, p●⁰▲⁰ ⌒ *p* : bc, b♁ *n*.
Mean Cloud Am'nt.				7·2	7·2	5·7	6·4	6·8	7·1													

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Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Cu:Sc:Cs	Cb	Fn:Cb:Sc:Ac:Ci	9	9	9	9	8	4	k	k	H	i	i	H	...	...	●	...	...	...	b⌊, c⊕, p●² *a* : cp●⁰, ⌒u *p* : c, bc♁, mc *n*.
2	Fc:Cu:Sc	Cb:Ci	Cu:Sc:Ac:Cc:Ci	9	6	9	3	3	3	l	l	l	l	l	m	...	...	●⁰	...	...	...	c♁m, bc, c⊕, p●⁰ *a* : p●⁰, bc *p* : bc♁ *n*.
3	Cb:Cc	Cu:Sc:Ac:Cs	Fc:Cu:Sc:Ac:Cs	3	7	4	6	5	7	l	m	k	l	k	k	...	...	...	...	...	...	bc♁, p●⁰, bc *a* : bc *p* : bc, p●⁰, bc *n*.
4	Cu:Sc:Ac	Fc:Sc:Cs	Sc:Ac:Ci	7	9	6	2	1	1	k	k	k	l	m	m	...	...	...	...	...	...	bc, c, bcy *a* : bcy, by *p* : by, b♁ *n*.
5	Cs	Cu:Cs:Ci	Ac:Ci	1	1	7	7	5	10	l	l	l	i	i	i	...	...	...	...	...	...	b♁, ⌊, by *a* : bcy⊕ *p* : bcy, c, i●⁰ *n*.
6	St:Sc:Ac:As:Cs:Cc	Sc:As:Ac	Cu:Sc	9	8	9	8	7	1	j	k	k	k	l	k	...	...	...	...	...	...	●⁰, c, y, c *a* : c, y, bcy *p* : bcy, b *n*.
7	Cu:Sc:Ci	Cu:Sc	Fn:Cb:Sc:Ac	9	8	9	9	9	9	l	m	l	l	j	i	...	...	●⁰	●²	●⁰	●⁰	b, c, qp● *a* : c, p●², ⌒ *p* : c, p● *n*.
8	Cu:Sc:Ac:Ci	Cu:Sc:Cs	Cu:Sc:Cs	9	9	10	10	9	8	j	j	j	j	k	j	...	...	...	...	...	...	c, y⊕ *a* : cy, p●⁰, c *p* : c, bc *n*.
9	Sc:Cc:Ci	Sc:Ac:Cc:Ci	Sc:Ac:As:Cs	6	5	4	9	9	10	j	j	j	l	k	k	...	...	...	...	●⁰	...	bc, ♁, bc⊖, y *a* : bcy, cy, ●⁰ *p* : c, ●⁰, ● *n*.
10	Fc:Ci	Cu:Sc	Fc:Sc:Ac:Cs:Ci	1	3	6	6	9	2	l	l	l	k	k	j	...	...	...	...	...	...	c●⁰, b, bcy *a* : bcy, ⊕, c *p* : c⊕, b, ♁ *n*.
11	Fc:Ac:Ci	Ac:Ci	Ac:Cs	1	1	1	1	4	9	j	i	H	j	i	i	...	...	...	...	...	...	b♁, b *a* : b *p* : b, ♁, f *n*.
12	Fn:Ac:As	Cu:Sc:Cs	Cu:Sc:Ac:Cs:Ci	10	10	10	9	6	3	k	k	k	j	j	j	...	...	...	...	...	...	b♁ff, b *a* : b *p* : bc, o, f *n*.
13	Sc:Ac:Cc:Ci	Cu:Ac:As:Cs	Sc:Ac	7	7	10	3	2	1	i	l	k	l	k	j	...	...	...	...	...	...	ofe, d_0, bc *a* : bc *p* : bc, b *n*.
14	Fs:Cs:Ci	Fn:St:Ac:As	Fn:Sc:Ac:Cc	9	9	9	10	9	10	j	j	i	i	i	H	...	...	...	...	...	...	b, c, bc⊕ *a* : bc, ⊕, y, c *p* : c⊕, bc, c *n*.
15	Cu:Sc	Fn:Sc:Cb:Ac	Cu:Sc:Ac	6	8	9	8	9	6	l	l	j	j	j	k	...	...	...	...	...	...	c, id$_0$, b *a* : b *p* : b♁ *n*.
16	Sc:As	Fn	St:Sc:Ac:As	9	10	10	9	9	9	k	j	i	H	H	j	...	...	...	...	...	...	b♁, m, b *a* : b *p* : b, o, c *n*.
17	St:Sc	Cu:Ac:As	Cu:Fc	9	4	9	6	1	1	j	j	H	j	i	i	...	...	...	...	...	...	c, ♁, b, y *a* : bcy, bc *p* : bc, c *n*.
18	Ac	Cu:Ci	Ac:Ci	2	1	1	1	3	1	i	H	i	j	i	i	...	...	...	...	...	...	c, bc *a* : bc, ⊕, c *p* : c *n*.
19	Ci	Ci	Ci	2	1	2	2	2	2	i	j	i	i	i	i	...	...	...	...	...	...	c *a* : c *p* : c *n*.
20	Ac:Ci	Ac:Ci	Ac:Cc:Ci	1	4	2	2	2	1	i	i	j	j	j	j	●⁰	●⁰	●⁰	...	...	...	c, ●, i●⁰, f, omd$_0$ *a* : omd$_0$, bc *p* : bc, c, bc *n*.
21	Ci	Ci	—	1	1	1	1	0	1	j	j	j	j	j	j	...	...	...	...	...	...	b♁, y, b *a* : b *p* : b, c, o●⁰ *n*.
22	Fs	Cs	Cs	1	1	1	1	3	10	j	j	k	k	j	i	●⁰	...	...	...	...	...	o●⁰, ci●⁰, p●⁰⊕ *a* : cy, ⊕, bcy *p* : bcy, ♁ *n*.
23	Fs:Ns	Cu:Sc:Ac:Ci	Cu:Ac:Ci	10	9	6	3	4	3	H	j	j	j	i	j	...	...	...	...	...	...	bc♁, y, c *a* : c, y, bcy, b *p* : b, ♁ *n*.
24	Cu:Sc:Ci	Cu:Ac:Cs	Fs:Ac:Cc:Cs	9	7	7	7	9	6	j	j	j	k	j	j	...	...	...	...	...	●⁰	b♁, c, ●⁰ *a* : c, i●⁰ *p* : ci●⁰, ● *n*.
25	St:Sc	Fc:Ac:Ci	Sc	10	9	1	1	1	0	j	k	j	j	k	k	...	...	...	●⁰	...	...	c, bc, c, p● *a* : cp●², ⌒ *p* : c, b, ♁ *n*.
26	Sc	Cu	—	1	1	1	1	0	10	i	j	j	j	j	i	...	●⁰	...	...	...	...	b♁, c●⁰, o● *a* : o, c *p* : c *n*.
27	Sc:Ci	Ac	St:Ac:Ci	3	3	3	4	3	7	i	j	k	k	j	j	...	...	...	...	...	...	c, bc, cp●⁰ *a* : c, b *p* : b, ♁ *n*.
28	Fs:Ac:Cs	Sc:Ac	St:Ac:Cs:Cc	10	7	6	9	8	8	j	j	j	j	j	j	...	...	...	...	...	...	b♁, y, b *a* : b *p* : bc, b, ♁ *n*.
29	St:Sc:Ac	Cu:Ac:Cs:Cc	Cu:Sc:As	9	9	9	9	10	10	j	j	j	k	j	k	...	...	...	...	...	...	b♁, b *a* : b, ⊕ *p* : b⊕, ♁ *n*.
30	Fn:Sc:Ac:As	St	Fs:Ac:Ci	10	10	10	10	7	6	k	H	F	H	H	H	...	...	...	...	...	...	b♁, bc, b *a* : b *p* : b, ♁ *n*.
Mean Cloud Am'nt.				6·1	5·9	6·0	5·5	5·2	5·3													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

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Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St	St	St	10	10	10	10	10	10	D	D	H	F	E	G	...	...	...	...	...	●⁰	bc, feo, ff, m *a* : o, id$_0$f, Fe *p* : offe, od$_0$, i●⁰ *n*.
2	St	St	St:Ac:Ci	10	6	9	9	9	7	H	H	i	H	i	i	...	...	...	...	...	...	o●, bc, o, c *a* : c *p* : c, bc *n*.
3	St:Fn:Cb:Ac	Cu	Cu:Sc:Ci	9	9	2	6	4	2	j	i	j	i	j	H	...	...	...	...	...	...	bc, cp●⁰, t, b *a* : b, bc *p* : bc, b, cp● *n*.
4	Ac	Cu:Sc:Ac:Cs:Ci	Cu:Sc:Ac:Ci	1	7	9	7	5	3	i	i	k	k	k	k	...	...	...	...	...	...	c, b, bcy, ⊕ *a* : cy, ⊕bcy *p* : bcy, c *n*.
5	Sc:Ac:Ci	Cu:Sc	Fc:Cu:Sc:Ac:Ci	8	8	8	7	6	4	l	k	k	k	l	l	...	●⁰	...	●⁰	...	...	c, y, p●⁰, cy *a* : cy, bc, p●⁰, bcy *p* : bcy, ⌒, bc *n*.
6	Sc:Ac:Ci	Sc:Cb:Ac	Cb:Sc:Ac	5	2	3	8	8	10	j	k	j	j	j	j	...	...	...	...	...	...	bc, y *a* : bcy, cy, c *p* : c *n*.
7	St	St:Cu	St:Sc:Ac	10	10	3	3	7	10	E	H	i	i	H	H	●⁰	...	...	...	...	...	c, o●⁰m, fi●⁰, bc *a* : bc *p* : bc, c *n*.
8	Fn:As	Fn:Ac:As	Fn:Cb:Ac:As	10	10	10	10	9	10	H	j	j	j	k	j	●²	●⁰	●⁰	●⁰	...	...	c, ●, i●², i● *a* : ci●⁰, (*p* : c(, i●⁰, c *n*.
9	Fc:Sc:Ac:Ci	Fn:Cu:Sc:Ac:Ci	St:Sc:Ac:Cs	3	8	7	6	8	9	l	l	j	k	k	j	...	...	...	...	...	...	c, bc, c, bc⊕ *a* : bc, p●⁰, c *p* : c *n*.
10	Fc:Sc:Ac:Ci	Cu:Cs:Ci	Cu:Cs	3	3	6	5	6	8	l	l	l	l	k	k	...	...	...	...	...	...	c, bc⌓, ⊕, y *a* : bcy, bc *p* : bc, c *n*.
11	Fn:Sc:Ac:As	Fn:Cu	Fn:Cb:Ac:As:Ci	9	10	9	10	7	10	j	i	j	i	i	i	●⁰	●⁰	●	●	●⁰	●	c, i●⁰, p● *a* : cqp●, i●, p●² *p* : ci●² *n*.
12	Fn:Ac:As	Fn:Cu:Ac:As	Fn:Cb:Ac:As:Ci	8	8	8	3	7	9	j	j	j	j	i	j	...	●	...	...	...	...	ci●², p●, p●² *a* : cp●⁰, bc, ctp●⁰ *p* : c *n*.
13	Ns	Cu:Sc:Ac:Ci	Cu:Sc:Ac:As:Ci	10	9	9	6	5	6	G	H	j	j	j	i	●⁰	●⁰	...	...	...	...	c, o●⁰m, ci●⁰ *a* : c, bc, ⊕ *p* : bc, cp●⁰ *n*.
14	St:Sc:As	Fn:Cb:Sc:As	Cu:Sc:Ac:As	9	10	10	9	9	8	j	j	j	j	k	j	●⁰	●⁰	●⁰	●⁰	...	...	p●⁰, ci●⁰ *a* : ci●⁰, c *p* : c, p●⁰, bc *n*.
15	Sc:Ac:Cc	Cu:Sc:Ci	Fn:Cb:Ac:As	9	7	8	8	9	10	j	k	k	j	j	j	...	...	●⁰	...	...	●⁰	bc, b⌓, c, p●⁰ *a* : c, p● *p* : cp●⁰, i●, ●⁰ *n*.
16	St:Sc:Ac	Cu:Sc:Ac	Fn:Cb	9	9	9	9	9	9	k	j	j	k	j	j	...	...	...	...	●⁰	...	●⁰, c, p●⁰ *a* : c, p●², i● *p* : ci●, c *n*.
17	Sc:Ac:As:Cs	Cu:Ac:As:Cs	Sc:Ac:As	9	9	9	8	9	10	j	k	k	k	k	j	...	...	...	...	...	...	c, ⊕, y, c *a* : c, bc, c *p* : c, id$_0$, i●⁰ *n*.
18	St:Sc:Ac:As	St:As	St:Ac:As	10	10	10	9	10	10	i	G	H	i	i	i	...	●⁰	...	...	...	...	c, i●², id$_0$, c *a* : c, i●⁰ *p* : ci●⁰ *n*.
19	St:Ac:As	St:Ac:As	Fn:Cb:Ac:As	9	10	9	10	9	10	G	G	H	F	H	j	...	...	●⁰	●⁰	...	●⁰	ci●⁰m, o, ◑, ⌒, ci●⁰ *a* : otli●²m, c *p* : ci●⁰ *n*.
20	Cu:Sc:Ac	Sc:Ac	St:Sc:Ac	9	9	9	9	8	9	k	k	l	k	k	k	...	...	...	...	...	●⁰	c, ●⁰, ⊕, id$_0$, c *a* : c *p* : c, p●⁰ ⌒, c *n*.
21	Sc:Ac	Cu:Sc:Ac	Cu:Sc:Ac:Ci	8	9	8	4	6	4	l	k	l	l	k	k	...	...	...	...	...	...	c, bc, c ⌒, p● *a* : c, bcy, ⊕ *p* : bc *n*.
22	Fc:Cu:Sc:Ac:Ci	Cu:Sc:Ac	Fs:Cu:Sc	5	9	8	9	9	9	k	k	k	k	k	j	...	...	...	...	...	...	bc, b⌓, cp●⁰, y *a* : c, y, cp●⁰ *p* : c, bc *n*.
23	St:Sc:Ac:Cs:Ci	Fn:Ns	Fn	8	9	10	10	10	10	k	k	i	H	G	G	...	...	●⁰	●⁰	●	●	bc, b⌓, c, i●⁰ *a* : c●⁰, o●, dd *p* : o●, d$_0$, i●² *n*.
24	Fn: Ac: As	Fn:Ac:As	Fn:Ac	10	9	10	6	9	10	H	H	H	i	i	j	●⁰	...	●⁰	...	●⁰	...	o, ci●⁰, i●⊕ *a* : ci●⁰, bc, ci●⁰ *p* : i●⁰, c *n*.
25	St:Fn	St:Sc:Fn	Fn:Ac	10	10	10	9	8	10	j	j	j	j	j	j	●⁰	...	...	...	●⁰	●	ci●⁰, oid$_0$, c *a* : c, i●⁰ *p* : ci● ⌒, i●⁰, c *n*.
26	Cu:Sc:Ac	Cu:Sc	Cu:Sc:Ac:As	8	9	10	10	9	5	j	j	k	j	i	j	...	●⁰	...	●⁰	...	...	c, p●⁰ *a* : c, p●⁰ *p* : c, p●, bc *n*.
27	Sc:Ci	Cu:Sc	Sc:Ci	7	4	2	1	1	8	j	k	l	l	l	k	...	...	...	...	...	...	bc, b⌓, bc, by *a* : by, b *p* : b, c, bc⌓, f *n*.
28	St:Ac:Cc	Cu:Ac:Cs:Cc	Cu:Sc:Ac:As	8	9	9	9	7	9	G	k	l	k	j	k	...	...	...	...	...	...	bc, cffe, c, ⊕ *a* : c, bc *p* : bc, c, bc *n*.
29	Fs:Cu:Ac	Cu:Ci	Cu:Sc:Ac:Cs	6	4	5	6	9	7	k	l	l	l	k	j	...	...	...	...	...	...	bc⌓, y *a* : bcy, cut, ⊕ *p* : c, p●⁰, bc *n*.
30	Ac:As:Ci	Fn:Ac: As	Sc:As	8	9	10	10	10	10	k	k	k	l	l	j	...	...	...	...	...	●⁰	bc⌓, c, i●⁰ *a* : c, y, ●² *p* : ci●⁰, ● *n*.
31	Sc:Ac:As	Cu:Ac:Ci	Cb:Ac:Ci	9	9	4	4	9	10	k	k	m	m	m	j	...	...	...	...	...	●⁰	c●, c, bc, y *a* : bcy, c *p* : c, i●⁰ *n*.
Mean Cloud Am'nt.				7·8	8·2	7·8	7·4	7·8	8·3													

162 ABERDEEN — AUGUST, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Sc	Cb:Sc	Cb:Sc	4	9	9	9	9	9	k	k	k	j	H	j	...	...	...	●	...	●⁰	c, b⌓, c, p●⁰ *a* : c, p●² *p* : c, p●, bc *n*.
2	Fn:Ac:As:Cs	Fs	Fn:Cb	9	10	10	9	10	9	H	H	H	i	j	i	●⁰	●	...	...	●	●⁰	bc, c●⁰, o●, o *a* : o, c, p●g *p* : cp●, i●⁰ *n*.
3	Cu:Sc:Ac:Ci	Fn:Cu:Ac	Fn:Cb:Sc:Ac:As:Cs	8	9	9	10	9	9	l	l	l	j	j	j	...	...	...	●	...	●⁰	c, bc, c, p●⁰ *a* : c, p●² *p* : c, ●⁰ *n*.
4	Sc:Ac:As:Ci	Fn:Cb:Ac:Ci	Fn:Cb:Ac	9	5	9	8	9	9	l	l	j	l	m	j	...	...	●⁰	...	...	...	c, p●⁰, i●⁰, bc, ◑, c, p●⁰ *a* : c, p●, (*p* : c, p●⁰ *n*.
5	Cu:Sc:Ac	Cu:Sc:Ci	Sc	3	7	9	9	7	1	k	l	m	m	l	j	...	...	...	...	...	...	c, p●⁰, b(, ⌓, c(y *a* : c(y, bc *p* : bc, b⌓ *n*.
6	Fs:Cu:Sc:Ac:As	Cu:Sc	Fs:Ac	10	10	9	8	2	1	j	k	k	j	j	H	...	...	...	...	...	...	b⌓, c, (, c *a* : c, b *p* : b, bc, b⌓, f *n*.
7	Sc:Ac:Cs	Cu:Sc:Ci	Cu:Sc:Ac:Ci	10	10	5	4	4	7	G	j	k	j	j	j	...	...	...	...	...	...	b⌓fe, c, ⊕, bc, y *a* : bcy, bc *p* : bc *n*.
8	Sc:Ac	Cu:Sc:Ac:Ci	Sc:Ac	4	1	2	7	6	7	k	l	j	k	j	j	...	...	...	...	...	...	bc, b *a* : b, bc *p* : bc, c *n*.
9	St:Fn:As	St:Sc	St:Sc	10	10	9	9	3	7	H	j	i	k	j	j	●	...	●⁰	...	...	...	c, i●, dd, id$_0$ *a* : cid$_0$, bc *p* : bc, c, bf *n*.
10	St	St:Ci	Cu:Sc:Ci	10	10	9	1	2	10	F	H	H	j	i	D	...	...	...	...	...	...	bf, offe, od$_0$, c *a* : c, b *p* : b, off *n*.
11	Cu:Sc:Cc	Cu:Sc:Cc	Sc:Ac:Ci	6	4	3	2	3	9	i	j	l	j	i	i	...	...	...	...	...	...	offe, bc, y *a* : bcy, by, bc *p* : bc, c *n*.
12	Cu:Sc:Ac:As	Fs	Cu:Sc:Ac	10	10	10	9	8	9	H	H	H	H	H	i	●	●	●⁰	●⁰	...	...	c, p●, ●, id$_0$ *a* : od$_0$, c *p* : c, bc, c *n*.
13	Sc:Ac:As:Cs:Ci	Cu:Sc:Ac:As:Cs	Ac:As	9	9	9	9	10	10	j	j	j	j	j	i	...	...	...	...	●⁰	...	c, ⌓, ⊕, (*a* : c(, c, i●⁰ *p* : ci●⁰ *n*.
14	Fs:Ac:As	Fs	Fs:Sc:Ac:As	9	9	10	10	10	9	i	i	H	H	j	i	...	●⁰	...	...	...	...	c, i●⁰, oi● *a* : o, c *p* : c *n*.
15	Sc:Ac	Cb:Ac:Ci	Sc:Ac:Ci	9	8	2	4	9	3	i	j	j	j	j	j	...	...	...	...	...	...	c, ◑, b *a* : b, c *p* : c, bc⌓ *n*.
16	Sc:Ac:Cc:Ci	Cu:Sc:Ci	Cu:Sc:Ac:Cc	7	1	4	3	2	7	k	k	k	k	l	k	...	...	...	...	...	...	bc⌓, b, bc *a* : bc, b *p* : b, bc *n*.
17	St:Ac:As	Fs:Sc:Ac	Cu:Sc:Ac:Ci	9	9	9	9	9	9	j	j	j	j	j	j	...	...	...	...	...	...	bc, c⌓, p●⁰ *a* : c, ⌒ *p* : c, p●⁰, bc, ⌓ *n*.
18	Sc:Ac	Cu:Ci	Sc:Cc:Ci	1	1	3	7	5	1	k	k	l	l	l	k	...	...	...	...	...	...	b⌓, b, bcy *a* : bcy *p* : bcy, b, ⌓ *n*.
19	Cu:Sc:Ac:As:Cs	Cu:Cs:Ci	Sc:Cs:Ci	9	7	5	8	3	1	j	j	k	k	j	G	...	...	...	...	...	...	b⌓, c, p●⁰, bc, y *a* : bcy, c⊕, bc *p* : bc, b, ⌓ *n*.
20	St:Cs:Ci	Fc:Ac	Sc:Ac:Cc:Cs	9	8	7	5	7	9	G	i	j	i	i	j	...	...	...	...	...	...	b⌓, c, fe, ⊕, bc *a* : bc *p* : bc, c *n*.
21	Sc:Ac:Cc:Cs	Cu:Sc:Cs:Ci	Fn:Cb:Sc:Ci	7	3	8	8	8	5	l	m	m	l	l	l	...	...	...	...	●	...	c, bc, y, cy *a* : cy, (, ⌒, p● *p* : c, p●, ⌒, bc *n*.
22	Cu:Sc	Cu:Sc:Ci	Sc:Ac:Ci	9	3	9	8	7	10	l	l	l	l	k	j	...	...	...	...	...	...	c, bc, cy *a* : cy, bcy, bc *p* : bc, c, ●⁰ *n*.
23	Sc:Ac:Cs	Cu:Sc:Ac:As:Ci	St:Sc:Ac	9	9	9	9	9	2	k	l	j	j	j	k	...	...	...	...	...	...	c, ⊕, i●⁰ *a* : c, i●⁰ *p* : c, b, ⌓ *n*.
24	Cu:Ac	Cu:Ac:Cc	Sc:Ac	4	2	1	6	6	3	l	l	l	l	k	k	...	...	...	...	...	...	b⌓, by *a* : by, bcy, bc *p* : bc, ⌓, c *n*.
25	Cu:Sc:Ci	Cu:Sc	Sc	9	9	9	2	9	9	m	m	l	l	k	k	...	...	...	...	...	...	cq, (, c *a* : c, b, c *p* : c *n*.
26	Sc	Fc	Ci	1	1	1	1	1	1	k	k	k	j	j	j	...	...	...	...	...	...	c, b *a* : b *p* : b, ⌓ *n*.
27	Cc:Ci	Ci	Ci	1	0	4	1	1	1	G	H	i	i	i	i	...	...	...	...	...	...	b⌓, fe, b, bc *a* : bc, b *p* : b, ⌓ *n*.
28	Ci	Ci	Ac:Ci	1	1	1	2	3	0	H	H	i	i	i	G	...	...	...	...	...	...	b⌓, fe, b *a* : b, bc *p* : bc, b, ⌓ *n*.
29	Ci	Ci	As:Cs	5	3	5	5	9	10	G	i	i	j	i	i	...	...	...	...	...	...	b⌓, bc, ⊕ *a* : bc, ◑, c *p* : c *n*.
30	Cu:Sc:Ac:As:Cs	Sc:Ac:As	Sc:Ac:As	9	10	10	10	9	9	l	l	m	m	l	k	...	...	...	...	...	...	c, (, y⊕ *a* : c(y, c *p* : c, ⩊, bc, c *n*.
31	Sc:Ac: Cc	Sc	Sc:Ac:Cc	2	2	7	3	1	2	l	m	m	m	m	k	...	...	...	...	...	...	c, bc, ⌓, b, (, bcy *a* : bc(y, b(*p* : b(, b *n*.
Mean Cloud Am'nt.				6·8	6·1	6·6	6·3	6·1	6·1													

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

163 ABERDEEN — SEPTEMBER, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Cu:Sc:Ac:Ci	Sc:Ac:As	Sc	8	6	9	10	9	10	j	k	k	k	k	j	...	...	...	...	...	●⁰	bc, c, p●⁰, ⏀, bc, c *a* ; c *p* : c, o● *n*.
2	St:Fn	St	Ns	10	10	10	10	10	10	G	G	G	H	H	G	●⁰	●²	●²	●⁰	●⁰	●⁰	o●, i●⁰, d_0d_0, DD *a* : od_0d_0, o, ●⁰ *p* : oi●⁰, ●² *n*.
3	St	St	St	10	10	10	9	10	10	C	E	G	H	G	E	●⁰	●⁰	...	...	●⁰	...	o●⁰, ●f, F, d_0f, o *a* : o, c, o, ●⁰ *p* : o●, of *n*.
4	St	Cu:Ac:Ci	Cu:Sc:Ac:Ci	10	9	3	2	8	10	E	i	j	j	j	j	...	...	...	...	...	...	of, p●², FFe, bc *a* : bc, b, c *p* : c, p●² *n*.
5	Fs:Ac:Cc	Cu:Ac:As	Cu:Sc:Ac:Ci	9	7	7	4	7	5	i	j	j	j	j	j	...	...	...	...	...	...	c, bc *a* : bc *p* : bc, c, i●⁰ *n*.
6	Sc:St	Cu:Sc	Sc:Ac:Ci	6	9	9	6	7	1	k	j	j	j	j	j	...	●⁰	...	...	...	...	c, bc, cp●⁰ *a* : c, p●, bc *p* : bc, b, c, i●⁰ *n*.
7	Ns	Ns	Ns	10	10	10	9	9	10	G	H	i	j	i	j	●⁰	●	●⁰	●⁰	●⁰	●⁰	ci●⁰, i●², ●o *a* : c●⁰, i●², ●⁰ *p* : ci●⁰ *r*.
8	Sc:Ac	Cu	Sc	9	2	1	1	1	0	i	j	k	k	j	i	...	...	...	...	...	...	c, p●, b *a* : b *p* : b, m, b⌓ *n*.
9	Sc:Ac:Ci	Fs:Ci	Fs:Ac	2	6	7	7	9	7	H	j	H	H	H	i	...	...	...	...	...	...	b⌓, m, bc *a* : bc, c *p* : c, bc, c *n*.
10	St:Ns	St	St	10	10	10	10	9	10	G	F	G	i	H	H	●⁰	●⁰	●⁰	...	...	...	c, ●⁰, d_0, ●, ●⁰d_0m, id_0 *a* : id_0, oc *p* : c, o *n*
11	St	St	Fs	10	10	9	8	9	4	G	H	H	H	H	j	...	...	...	...	...	...	o, c *a* : c *p* : c, bc, c *n*.
12	Fs:Ac:As	St	Ns	9	10	10	10	10	9	H	H	H	H	G	i	...	●⁰	●⁰	●	●²	...	c, i●⁰, od_0, D *a* : od_0, i●², ●² *p* : o●, c, bc *n*.
13	Sc:Ac:Ci	St:Ci	Cu:Ci	1	5	9	1	1	1	j	G	E	k	i	i	...	...	...	...	...	...	bc, b⌓, bc⊕, cif *a* : cif, b *p* : b, ⌓ *n*.
14	St	St	St	10	10	10	7	10	10	C	D	i	H	i	F	●⁰	...	...	...	...	...	b⌓, oFFe, d_0d_0, of, o *a* : o, bc, o *p* : o, m, ●⁰ *n*.
15	Sc	St	St	10	10	10	10	10	10	i	i	H	H	G	G	...	...	...	...	...	...	o, bc, c, i●⁰ *a* : o, id_0, m *p* : o, d_0 *n*.
16	St	Fs	Fs:Ci	9	3	1	1	1	4	i	j	k	j	j	i	...	...	...	...	...	...	o, b *a* : b *p* : b, o *n*.
17	St	Cu	St: Ci	9	7	3	7	9	10	G	H	i	i	i	i	...	...	...	...	...	...	od_0, c, bc *a* : bc, c *p* : c, o, bc, ⌓ *n*.
18	St	St	St	10	10	10	10	10	10	H	H	H	G	G	H	...	...	...	...	...	...	bc⌓, o *a* : o *p* : o *n*.
19	Sc	Cu:Sc	Sc	10	10	10	10	9	9	i	i	i	i	i	H	●⁰	...	...	...	...	...	o, id_0 *a* : c *p* : c, e, ⌓ *n*.
20	St	Sc	St:Sc	9	9	9	9	9	10	H	G	H	H	H	H	...	...	...	...	...	...	c⌓, e, c *a* : c *p* : c *n*.
21	Sc	Cu:Sc	Sc	10	4	8	9	7	7	H	H	i	j	i	H	...	...	...	...	...	...	c, bc, c *a* : c *p* : c, bc *n*.
22	Sc:Ac:Ci	Cu:Ac:Cs	Sc:Ac:Ci	9	9	9	6	6	0	i	i	l	k	j	j	...	...	...	...	...	...	bc⌓, c *a* : c, bc *p* : bc, b⌓ *n*.
23	Sc:Ac:Cc:Ci	Cu:Ac	Fs:Ac:Ci	9	8	1	3	3	9	k	k	j	j	i	i	...	...	...	...	...	...	b⌓, c⌓, b *a* : b, bc⊕ *p* : bc, c, bc⌓ *n*.
24	St	St	St	10	10	10	10	10	10	D	D	F	F	F	F	...	●⁰	●⁰	...	...	...	c⌓, of, ●⁰, mg *a* : omg●⁰, d_0 *p* : om *n*.
25	Fn:Ac:As	Cu:Sc:Cu:Ci	Sc:Cu:Cc:Ci	10	9	6	6	6	9	j	j	k	l	k	k	...	●⁰	...	...	...	...	o, i●⁰, cq, p●⁰, bc *a* : bcy, bc *p* : bc, cp●⁰ *n*.
26	Cu:Sc:Cc:Ci	Cu:Sc:Cs	Ns	8	7	10	10	10	10	k	k	l	l	k	j	...	...	...	...	●⁰	●⁰	c, p●⁰, ⌒, bcy, cp●⁰ *a* : c, i●⁰ *p* : oi●⁰ *n*.
27	Cb:Fc	Cb	Cb	2	9	4	5	2	2	k	l	l	l	l	k	...	...	...	...	...	...	oi●⁰, cp●, q, ⌒, bc *a* : bc, cp●, ⌒ *p* : b, cp●⁰ *n*.
28	Cu:Sc	Cu:Sc:Cs:Ci	Sc:Ac:Ci	3	5	9	5	9	9	k	k	l	l	l	k	...	...	...	...	...	...	bc, p●⁰, c *a* : c, bc◯y, c *p* : c *n*.
29	St:Sc	Cu:Sc	Cu:Sc	9	9	9	9	9	9	j	k	k	k	l	j	●⁰	●⁰	...	...	...	...	c, id_0, p●⁰ *a* : c *p* : c, d_0 *n*.
30	St:Sc:Ci	Cu:Sc	Cu:Sc	9	9	10	9	9	9	k	k	i	k	j	j	●⁰	...	●⁰	...	...	●⁰	c, d_0, p●⁰, ⌒ *a* : c, p●⁰ *p* : c, p●⁰ *n*.
Mean Cloud Am'nt.				8·3	8·1	7·8	7·1	7·6	7·5													

164 ABERDEEN — OCTOBER, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Sc	Cu:Sc	St:Sc	9	10	10	9	9	10	H	k	l	k	k	k	...	...	...	...	...	...	c, bcfe, c *a* : c *p* : c, p● *n*.
2	Sc	Cu:Sc:Ci	Sc:Ci	9	9	3	3	1	1	G	i	k	m	i	i	...	...	...	...	...	...	c, p●⁰, bc *a* : bc, b *p* : b, ⌓ *n*.
3	Ci	Ci	Ci	1	1	1	2	2	1	i	H	i	i	H	i	...	...	...	...	...	...	b⌓, b *a* : b, ⌓ *p* : b⌓ *n*.
4	St:Sc	St:Sc	St:Sc	9	10	10	9	9	9	i	j	k	k	j	j	...	...	...	...	●⁰	...	b⌓, ce, c *a* : c, id_0 *p* : cid_0 *n*.
5	Cu:Fn:Sc	Cu:Sc	Sc	9	9	8	3	1	1	i	i	j	k	H	F	●⁰	●⁰	...	...	...	...	c, p●⁰, id_0, p●⁰ *a* : c, bcy, b *p* : b, ff, ⌓, ⌊ *n*.
6	Cu:Sc	Cu:Sc	Cu:Sc	1	7	2	2	1	0	j	j	l	l	i	G	...	...	...	...	...	...	b⌊, bc, b *a* : b *p* : b, ⌓, ⌊ *n*.
7	Sc	Cu:Sc	Sc	1	1	3	3	1	0	i	j	l	l	l	H	...	...	...	...	...	...	b⌊, bc *a* : bc, b, ⌓ *p* : b⌓, ⌊ *n*.
8	Sc	Fc:Sc	Sc	9	9	9	9	9	9	k	i	k	l	j	i	...	...	...	...	...	...	bc⌊, c, y *a* : cy, c *p* : c, p●⁰ *n*.
9	Cu:Sc	Fc:Sc	St:Sc	9	9	9	10	10	10	j	j	k	k	j	j	...	...	...	...	●⁰	...	c, bc⌓, c *a* : c, d_0d_0 *p* : cd_0, p●⁰, c *n*.
10	Cu:Sc	Cu:Sc:Ci	Ac:As:Cs	8	9	9	9	9	10	j	k	l	k	G	H	...	...	...	...	...	●⁰	c, p●⁰, c, ⌒ *a* : c *p* : c, o●⁰ *n*.
11	Fs:As	Cu:Sc:Ac:As	Sc:Ac:Cs	10	10	10	10	9	9	l	k	l	l	j	j	...	...	...	●⁰	...	...	o●⁰, c *a* : c, p●⁰ *p* : cp●⁰, bc *n*.
12	Sc	Sc:Ac:As:Ci	Sc:Ac:As:Cc	4	1	6	9	3	1	k	k	j	j	j	j	...	...	...	...	...	...	bc, b, bcy *a* : bcy, c, bc *p* : bc, b, cp●, bc *n*.
13	Cb:Ci	Cu:Fn:Sc:Ac:As:Cs	Cu:Sc:Ac:As:Cc:Ci	9	5	9	9	9	7	k	k	l	l	i	H	...	...	...	...	...	...	bc, cp●⁰, ⊕ *a* : c, p●⁰, bc *p* : c, bc, o●⁰ *n*.
14	Fn	St:Fn	Fs:Ac:As:Cs	10	9	10	9	5	2	G	i	i	F	G	H	●⁰	●⁰	...	...	...	...	o●⁰, ci●⁰, o *a* : od_0, ●⁰, m, bc *p* : c, b, c *n*.
15	Cu:Sc:Ac	Fc:Sc	Sc	3	2	2	1	1	0	k	l	l	l	l	k	...	...	...	...	...	...	c, b⌓, by *a* : by, q, b *p* : b, q *n*.
16	Cu:Sc:Ac:Ci	Fc:Cc:Ci	Sc:Cs	4	5	2	8	9	10	k	l	l	l	i	i	...	...	...	...	...	...	b, bc, by *a* : by, c, ⊕ *p* : c, ●⁰ *n*.
17	Fs:Sc:Ac:As:Ci	Fc:Ac	Cu:Sc	9	9	2	3	3	0	k	j	m	l	k	k	...	...	...	...	●⁰	...	c●⁰, bcyq, by *a* : by, q *p* : bcp●⁰, bq ⌒ *n*.
18	Cu:Sc:Cc	Cb:Cc	Cb:Sc:Ac:As:Ci	3	3	3	8	6	4	k	k	k	k	j	i	...	...	...	●	...	...	bcq, p● *a* : bc, p●, q *p* : bc, c, ●⁰ *n*.
19	Cu:Sc:Ac:Ci	Fn:Sc:Cu:Ac	Cb:Sc	5	9	9	8	2	3	j	k	k	j	k	j	...	...	●⁰	●⁰	...	●⁰	c, bc⌓, c, ⊕, ●⁰ *a* : ci●⁰, qp●⁰, ⌒ *p* : bc, p● *n*.
20	Fn:Sc:Cb:Ac:Cc	Fn:As	Fn:Ns	8	8	9	10	10	9	k	j	j	i	G	i	...	...	●⁰	●⁰	●⁰	...	c, p●⁰, bc, ci●⁰ *a* : c●⁰ *p* : c●⁰, c *n*.
21	Fs:Ac:As:Cs	Sc:Ac:As:Cs	Ac:As:Ci	10	9	9	9	9	9	k	k	k	k	l	k	...	...	...	...	...	...	c *a* : c *p* : c *n*.
22	Sc:Ac	Cu:Ac	Sc	8	4	2	2	1	2	k	E	k	k	j	j	...	...	...	...	...	...	c, ⌓, bcf, b *a* : b, y, b *p* : b *n*.
23	Cu:Sc	St:Sc:Ac:As	Sc:Ci	9	9	9	4	1	0	k	j	j	k	j	k	...	...	●⁰	...	...	...	b, c, p●⁰, i●⁰ *a* : ci●⁰, b *p* : b, ⌓ *n*.
24	Fc:Ac	Fn:Sc:Ac:As	Fn:As	6	8	10	10	9	1	j	j	j	j	j	k	...	...	...	●⁰	...	...	b⌓, c *a* : ci●⁰, c *p* : ci●⁰, b, cp●⁰ *n*.
25	Cb:Sc:Ac	Cu:Sc:Ci	Cb:Sc:Ac:Ci	6	6	3	3	3	1	l	l	l	l	k	k	...	...	...	...	...	...	b, ◯, y, bc *a* : bcy, bc *p* : bc, b, ⌓, ⋓ *n*.
26	Cb:Ac:As:Cc	Fn:Ns	Cb:Fn	7	9	10	10	9	1	j	i	H	H	H	k	...	...	...	●⁰	...	...	b⌓, ⌊, c, i●⁰ *a* : c, ●⁰, p●² *p* : cp●⁰, b, ⋓q *n*.
27	Fn:Ac:As	Cu:Cb:Ci	Cb:Ci	9	9	2	1	3	9	k	k	l	l	l	k	...	...	...	...	...	●⁰	c, p●▲, ⌒, by *a* : by, bc *p* : bc, cp●⁰, bc *n*.
28	Cb	Fc:Cu	Sc:Ci	2	3	2	3	5	1	k	l	l	l	l	H	...	...	...	...	...	...	c, p●⁰, b ⌒ *a* : b, bc, p● *p* : bc, b, ⌊ *n*.
29	Sc:Ac:Cs	Sc:Ac:As	Fn:Ac:As	9	9	9	9	9	10	k	i	j	i	H	j	...	●⁰	...	●	●⁰	...	b⌊, c, ●, i●⁰ *a* : c, ●, i●⁰ *p* : c, q, ●⁰ *n*.
30	Cu:Ac:As	Sc:Ac:As	Cu:Ac:Cc	10	9	9	8	4	1	j	i	j	j	j	j	...	...	...	...	...	...	c *a* : c, bc⌓ *p* : bc⌓, b⌓, ⌊ *n*.
31	Cu:Fs	Cu:Sc:Cs	Sc:Ci	1	1	7	1	1	3	j	H	k	i	j	i	...	...	...	...	...	...	b⌊, bc *a* : bc, b *p* : b, bc *n*.
Mean Cloud Am'nt.				6·7	6·8	6·4	6·3	5·3	4·3													

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

165 ABERDEEN NOVEMBER, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Sc:Ac:Cs	Fn:As	Ac:As	4	8	10	10	2	5	j	j	i	i	H	H	...	...	●	●	...	...	bc, c, ● *a* : c●, b *p* : b, bc≏, ●⁰ *n*.
2	Cu:Sc	Sc:Ac	Fs:Ac:As	8	7	9	9	10	10	k	H	j	i	H	i	...	...	...	...	...	●⁰	●⁰, p●, c, bc, c *a* : c *p* : c, ●⁰, bc *n*.
3	Sc	Sc:Ac	Sc:Ac:Ci	1	3	5	5	3	0	k	k	k	j	j	j	...	...	...	...	...	...	bc, b, bc, y *a* : bcy, bc *p* : bc, b, ≏Ш *n*.
4	Sc:Ac:Ci	Cu:Sc:Ac:Cs	Sc:Ac:As:Cs	2	9	9	10	7	1	l	j	i	H	j	j	...	...	...	...	...	...	b≏, q, c, ⊕ *a* : c, bc≏ *p* : bc≏, b≏, c *n*.
5	Sc:Ac:As	Fn:Sc:Cu:Ac	Fn:Cu	9	7	8	9	9	0	i	j	j	i	H	k	...	...	...	...	...	...	c≏, Ш, bc, q, c *a* : c, p●⁰ *p* : c, b≏ *n*.
6	Cu:Ac:As:Ci	Fn:Sc:Cu:Ac	Fn:Ac:Cc:Cs	7	9	7	8	6	7	j	i	i	H	i	j	...	...	...	...	...	...	b≏, ⌴, c, ●⁰ *a* : c, bc *p* : bc, c● *n*.
7	Fn:Ns	Fn:Cb:Ci	Fn:Cb	10	7	9	9	9	9	j	j	i	G	H	i	●⁰	...	●⁰	...	●⁰	...	ci●², i●⁰, bc, p●⁰ *a* : c, p●▲, q *p* : c, p●²▲² *n*.
8	Cb:Sc:Ac:Ci	Cu:Sc:Ci:Cc	Cb:Sc:Cs	7	5	3	7	5	3	j	j	j	i	j	j	...	...	...	...	...	...	c, p●, bc *a* : bc, cp●⁰, bc *p* : bc, b, ≏ *n*.
9	Cu:Fn	Cu:Sc:Ci	Sc	6	8	9	6	1	0	i	E	j	i	H	F	...	...	...	...	...	...	b≏, c, f, b, c *a* : c, bc, b, ≏ *p* : b≏, m, ⌴ *n*.
10	Sc:Ci	Sc:Ac:Cc:Ci	Sc	1	5	1	6	6	1	i	F	i	j	j	j	...	...	...	...	...	...	b⌴, mbc, b *a* : b, c, bc *p* : bc, b, ≏, Ш, ⌴ *n*.
11	Sc:Fs	Sc	Sc:Ci	1	2	9	6	8	1	j	H	i	i	H	i	...	...	...	...	...	...	b⌴, c *a* : c, bc, ≏, c *p* : c≏, bШ, cp● *n*.
12	Cu:Ac:As	Cu:Fn:Ac:Cs:Ci	Cu:Fn:Ac:Cs	10	10	9	9	7	8	k	k	k	k	k	k	...	...	...	...	...	...	c, qp●², ⊕, *a* : c, p●, ⊕, bc *p* : c, p●⁰ *n*.
13	Cu:Sc	Cu:Sc:Cs:Ci	—	9	4	8	9	0	1	k	k	k	i	i	H	...	...	...	...	...	...	c, p●, bc, c, ⊕ *a* : c, b, ≏ *p* : b≏, ⌴, bc *n*.
14	Cu:Sc:Fn	Cu:Sc:Fn:Ac:Ci	Fn:St:As	9	9	6	10	9	1	i	H	i	H	j	j	●⁰	...	...	●⁰	●⁰	...	bc, c, p●⁰, bc⊕ *a* : bc, o●⁰, ci●⁰ *p* : ci●⁰, b, ≏ *n*.
15	Cu:Fc:Sc:Ac:As	Cb:Cu:Sc:Ac	Sc	9	9	2	5	1	1	j	j	k	k	H	i	...	●⁰	...	...	...	...	b≏, ⌴, c, i●⁰, ⊕, b *a* : c, qp●▲, b *p* : b, bcp●⁰ *n*.
16	Cb	Cu:Sc:Fn:Cs:Ci	Cs	1	7	6	7	2	0	k	j	i	i	H	E	...	...	...	...	...	...	cp●⁰, b, cp●, bc⊕ *a* : bc⊕, b *p* : b, ff, c *n*.
17	Ns	Fn:As	Fn:Ac:As	10	10	10	9	3	4	i	i	j	j	H	j	●⁰	●⁰	...	...	...	●⁰	c, o●⁰, c *a* : c, i●⁰, bc *p* : bc, cp●⁰, b *n*.
18	Cb:Fn:Ci	Fc:Cu:Sc:Ci	Sc:Cs:Cc	6	5	7	9	5	9	j	j	k	k	H	F	...	...	...	...	...	...	bcp●⁰, bc *a* : bc, c, bc *p* : bc, ≏, cm, bcm≏ *n*.
19	Cu:Sc	Sc:Ac:As	Ac:As	9	9	9	9	8	10	i	i	i	i	i	H	...	...	...	...	...	...	bc≏m, ⌴, c *a* : c, ≏ *p* : c≏, b≏ *n*.
20	Ac:Cs	Ac:As	Ac:As	3	5	8	8	5	0	H	D	E	F	G	E	...	...	...	...	...	...	c≏, b⌴, bcff, F *a* : cf, bc *p* : bc, bf⌴, Ш, b⌴ *n*.
21	Ci	Ci	Ci	1	4	1	2	1	0	H	E	E	H	D	D	...	...	...	...	...	...	b⌴, bcff⌴ *a* : bf, by, bff *p* : bft, ⌴, b⌴ *n*.
22	—	Ci	Ci	0	1	1	1	1	9	k	H	F	F	F	G	...	...	...	...	...	...	b⌴, ff, b *a* : bz, y, bz *p* : bz, c, bc *n*.
23	St	St	St	10	10	10	9	10	1	C	B	D	D	C	C	...	...	...	...	...	...	bc, oFF, ff *a* : cff, oFFe *p* : cFFe, bFFV *n*.
24	—	Sc:Ac	—	0	2	8	8	0	9	H	F	E	E	E	E	...	...	...	...	...	...	bV⌴, cf *a* : cff, bff, ⌴ *p* : bff⌴, cff *n*.
25	Sc	Cu:Sc:Ac	St:Sc	9	7	3	3	10	10	i	H	j	H	H	i	...	...	...	...	●	...	cff, bc *a* : bc, c, id *p* : cid$_0$, ce *n*.
26	St:Sc	Ac	Ac	10	10	9	10	9	10	i	E	E	E	E	E	...	...	...	...	...	...	ce, id$_0$, fe, ●⁰ *a* : cfe, ff *p* : cff, c *n*.
27	Sc:Ac:Ci	Ac:Cs	Ac:As	2	1	7	10	9	10	i	G	H	H	H	i	...	...	...	...	●⁰	...	c, b⌴, f, bc *a* : bc, c, ●⁰, Ш *p* : ci●⁰, b *n*.
28	Cu	Cu:Ac:As:Cc:Ci	Sc:Ac:As:Ci	1	1	9	9	9	10	l	i	i	j	G	H	...	...	...	...	...	...	b, ⌴, c, ⊕ *a* : c *p* : c, ●⁰ *n*.
29	Sc:Ac:As	Sc:Ac:As	St	9	9	9	9	10	9	j	j	j	E	D	j	...	...	...	...	...	...	c●⁰, c *a* : c, ff, d$_0$ *p* : off, c, Ш, bc *n*.
30	Sc:Ac	Cb:Fn:Fc:Ci	Cb:Fn:Ci	1	1	7	3	6	1	l	l	k	l	k	k	...	...	●⁰	●⁰	●⁰	●⁰	bcq, by, ⌒, bcp●⁰ *a* : bcy, p●⁰, q *p* : cp●q, b *n*.
Mean Cloud Am'nt.				5·5	6·1	6·9	7·5	5·7	4·5													

166 ABERDEEN DECEMBER, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Cu:Sc	Cb:Fn:Sc:Ac	Cb:Fn:Ac	7	9	7	7	9	9	k	j	j	j	j	j	...	✱	●⁰	...	...	●⁰	b, cp●⁰, p✱, ⌒ *a* : b, cqp●², ⌒ *p* : b, cp●, Ш *n*.
2	Cu:Fn:Ac	Sc	Cu:Sc	9	10	9	8	9	2	j	i	j	k	k	k	●⁰	●⁰	...	...	...	...	c, p✱⁰, o●⁰Ш, ci●⁰ *a* : c, p●⁰, p✱⁰ *p* : cp✱⁰, b *n*.
3	As	Fs:Sc:Ac	Fs	10	10	9	1	1	8	H	E	i	i	i	j	...	✱⁰	...	...	...	...	bc, o✱⁰, f, d$_0$m, c *a* : c, b *p* : b, c *n*.
4	Cb:Fn	Cb:Fn	—	5	2	1	1	0	0	k	k	k	k	j	i	...	...	...	...	...	...	c, p●, b≡, cp✱q *a* : bcp✱⁰, b *p* : b, ⌴ *n*.
5	St:Sc	Cb:Ci	Ci	9	6	7	3	2	0	i	G	k	j	i	H	...	...	...	...	...	...	bc, c✱⁰, m, b *a* : bc, b *p* : b, c, p✱ *n*.
6	Cb:Fn	Cb:Fn	Cb:Fn	8	4	5	10	7	5	j	j	k	j	j	j	...	...	...	✱	...	...	⊠cp✱, bc, p✱⁰ *a* : ci✱ *p* : bc, cqp✱ *n*.
7	Cb:Fn	Sc:Cs	Ac:As	3	7	9	8	3	10	k	j	i	H	i	i	...	...	...	...	...	...	⊠bc, c⌒, ⊕ *a* : c, bc *p* : bc, cp● *n*.
8	Sc	Sc	Sc:Ci	4	1	1	3	6	0	k	j	j	i	i	i	...	...	...	...	...	...	⊠c, p●, b *a* : b, bc *p* : c, b, c *n*.
9	Ac:Ci	Ac:As:Cs	—	1	3	6	9	0	9	j	F	E	E	G	F	...	...	...	...	...	...	c, b⌴, if *a* : bcif, cf, b *p* : b, cm, bc *n*.
10	Sc:Ac	Fc: Sc	Sc:Cc	8	8	5	2	1	9	j	i	i	i	i	i	...	...	...	...	...	...	bc, c, bc *a* : bc, b *p* : b, c *n*.
11	St	Fs:Ac:As	Fs	10	9	9	9	6	10	i	i	H	H	H	H	●⁰	...	...	...	...	●⁰	c, oid$_0$, c *a* : c, p●⁰, bc *p* : bc, o, ●⁰, ● *n*.
12	As	Ac:As	Cs	10	10	10	9	6	0	i	F	G	k	H	i	●⁰	...	...	...	...	...	o●, ●⁰, m, c *a* : c, ⊕, bc *p* : bc, b⌴ *n*.
13	Cu	Fc:Ci	Fn	1	1	1	7	10	10	j	k	i	i	i	j	...	...	...	...	●⁰	●⁰	b⌴, c, b *a* : b, o●⁰ *p* : o●⁰, ●≡ *n*.
14	Fn:As	Fc:Ac:As	Ac	9	9	9	9	8	3	j	j	j	k	i	F	...	...	...	...	...	...	o●, c *a* : c *p* : c, bz *n*.
15	Fs	Fc:Ac:Ci	Ac:Cc	1	1	4	3	3	10	j	G	j	i	i	j	...	...	...	...	...	●⁰	b, ⌴, bc *a* : b, bc *p* : bc, ci●⁰, ●≡ *n*.
16	Cu:Fn:Ac	Fn:Fc:Ac:Ci	Fc:Ci	1	4	2	6	1	0	j	j	k	k	j	j	●⁰	●⁰	●⁰	...	...	...	c●², b, p●⁰ *a* : bc, b, *p* : bcp●, b *n*.
17	Sc	Fn:As	Fn:As	1	10	10	10	10	5	k	H	H	G	i	j	...	...	●⁰	●⁰	●⁰	...	b, c, ●⁰ *a* : ci●⁰, id$_0$, ● *p* : q●²c, b *n*.
18	Sc	Fc:Sc:Cc	Fs	10	9	2	1	1	1	j	j	j	j	j	k	...	...	...	...	...	...	b, c, b *a* : b *p* : b, q, b *n*.
19	Cu:Ac	Fs:Ac:As:Cc:Cs:Ci	Fs:Ac:As	1	1	7	9	9	7	k	k	i	j	j	j	...	...	...	...	...	...	b, bc, ⊕ *a* : bc, c *p* : c, i●⁰, bc, cq *n*.
20	Sc	Sc:Cc	Sc	4	7	8	8	9	10	j	j	j	j	j	j	...	...	...	...	...	...	cq, bcq *a* : cq, c *p* : c *n*.
21	Sc:Ac:As	Fs:Sc:Ac:As	St:As	8	9	9	10	10	10	j	j	i	i	i	i	...	...	...	...	●⁰	●⁰	c *a* : c, ●⁰ *p* : o●⁰ *n*.
22	Sc	Cu:Sc:Ac	—	10	9	3	1	0	0	j	G	k	k	j	j	...	...	...	...	...	...	o, ci●⁰, bc, ⊕ *a* : bc, b *p* : b, ⌴, c⌴ *n*.
23	Sc	Sc:Ac:As:Ci	Ac:As	7	2	8	9	9	9	i	H	H	G	H	j	...	...	...	...	...	...	c⌴, b⌴, c *a* : c, y *p* : c *n*.
24	Ac:As	Sc:Ac:Cc	Sc:As	3	6	7	7	5	9	j	k	k	j	j	H	...	...	...	...	...	...	c, bc *a* : bc *p* : bc, c●⁰, Ш, c *n*.
25	Cb	St:Ac:As	St:Sc:Ac:As	2	9	7	9	9	9	j	i	i	G	G	i	...	...	...	...	...	...	c, p●≡, b, c *a* : bc, c, id$_0$, Ш *p* : c *n*.
26	Sc:Ac:As	Sc:Ac	Ac	9	2	1	2	4	1	i	i	H	H	F	F	...	...	...	...	...	...	c, ●⁰, b *a* : b, bcz, Ш *p* : bczШ, if, b⌴, fV *n*.
27	Ci	Sc	Sc:St	1	1	9	9	9	10	k	G	H	i	H	j	...	...	...	...	...	...	b⌴V, c *a* : c *p* : c *n*.
28	Sc	St:Sc:Cc	St	8	4	9	9	10	10	j	G	i	H	H	H	...	...	...	...	...	...	c, bc, c *a* : c, o *p* : o *n*.
29	St:Fn	Fs:Sc:Ac	Sc	10	7	7	9	1	0	j	H	i	G	G	H	...	...	...	...	...	...	o, bc, co●⁰, bc *a* : c, b *p* : b, ⌴ *n*.
30	Ac	Fn:Ac:As	Fs:As	1	7	9	9	10	10	j	H	i	i	H	j	...	...	...	...	...	...	b⌴, ci●⁰, c *a* : c *p* : c, id$_0$, oid$_0$q *n*.
31	Cu:Fn	Ac:Ci	Fs:Ci	9	2	3	9	1	2	j	j	k	j	j	j	●⁰	...	...	...	...	...	oid$_0$q, cp●⁰, b *a* : bc, c, b *p* : b, bq *n*.
Mean Cloud Am'nt.				5·8	5·8	6·2	6·6	5·5	5·7													
Mean Annual Cloud Am'nt.				6·8	6·9	6·9	6·9	6·5	6·2													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation.						

M.O. 400.
(Eskdalemuir)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia, and Kew, and the results of soundings of the upper atmosphere by means of registering balloons.

ESKDALEMUIR

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1938

Latitude	55° 19′ N.
Longitude	3° 12′ W.
G.M.T. of local Mean Noon ..	12h. 13m.

Heights in metres above Sea-Level

Barometer	237·3
Rain-gauge	242·0
Dines Pressure Tube Anemometer	250

Heights in metres above ground

Thermometer Bulbs	0·9
Sunshine Recorder	1·5
Dines Pressure Tube Anemometer	15
Beckley Rain-gauge Rim	0·4

INTRODUCTION

HISTORICAL

Early in the twentieth century the increasing artificial magnetic disturbance at Kew Observatory, Richmond, due to the westward extension of the electric tramway system from London, made desirable the establishment of a magnetic observatory in a locality unlikely to be affected, at least for a number of years, by electric power or traction system. A committee of the Royal Society of London selected a site in the parish of Eskdalemuir, Dumfries-shire, for the new observatory. The nearest towns or industrial centres are Langholm and Lockerbie, distant approximately 16 and 18 miles (26 and 29 km.) by road, and there is no point of railroad within 9 miles (14km.) of the Observatory. Installation of the instrumental apparatus commenced in the summer of 1908, the Observatory at that time forming a part of the then recently established National Physical Laboratory.

Although the Observatory was established primarily in the interests of the study of terrestrial magnetism the field of geophysical work undertaken has been considerably wider and has included, almost from the beginning, meteorology, atmospheric electricity (mainly atmospheric potential gradient), and seismology. In the earliest years Milne, Wiechert, Omori, and Galitzin seismographs were in operation at Eskdalemuir, but seismological observations ceased in October, 1925, when the three-component installation of Galitzin seismographs was transferred to Kew Observatory. In 1910, when the majority of the various initial difficulties had been overcome, Eskdalemuir passed from the control of the National Physical Laboratory to that of the Meteorological Office. In consequence of this change the meteorological work assumed increased importance, and from the beginning of 1914 the Observatory has served as a telegraphic reporting station of the Meteorological Office.

Summaries of the results of observations made in 1909-10 were published in the Report of the Observatory Department of the National Physical Labora-

tory, 1909-10. The results for subsequent years are included in the publications mentioned in the Preface to the present volume.

SITE

Eskdalemuir Observatory, some 3½ miles (5½ km.) north-north-west of Eskdalemuir Parish Church in the county of Dumfries-shire, is situated on a rising shoulder of moorland which is bounded on the east by the road leading north to Ettrick and Selkirk, on the west by the small Davington Burn, and at the southern extremity by the small hamlet of Davington.

The hillside in the immediate vicinity of the Observatory slopes generally from the north-west to south-east. The mean height above sea level of the Observatory site is about 800 feet (244 metres). Cassock Hill, slightly more than a mile distant to the north-west is 1,205 feet (367 metres), while the bench mark at Davington School, ¼ mile (0·4 km.) to south east, is 699 feet (213 metres) above M.S.L. To the east the ground slopes fairly rapidly to the valley bottom, the level of the Ettrick road at a point about ¼ mile (0·4 km.) east of the underground magnet house being 682 feet (208 metres). The River White Esk is rather less than ½ mile (0·8 km.) to the east. Immediately beyond the river, and almost due east of the Observatory, Dumfedling Hill rises to a height of nearly 1,200 feet (366 metres) above M.S.L. Some 4 or 5 miles (8 km.) to the north is a high ridge, following approximately the boundary between Dumfries-shire and Selkirkshire, the highest point of which is Ettrick Pen (north-north-west) 2,269 feet (698 metres) above M.S.L. Rather more than half a mile (0·8 km.) to the west, and beyond Davington Burn, the ground rises to 1,040 feet (317 m.), and reaches nearly 1,200 feet (366 m.) half a mile (0·8 km.) further on. To the south and south-south-east the Observatory commands a view of the White Esk Valley as far as Hart Manor, 4 miles (6½ km.) distant, and beyond that the upper slope of Cauldkine Hill, about 10 miles (16 km.) distant, is visible. The surrounding country is bare and wild and there are but few trees to relieve the monotony of the grass-covered hills and moorland.

Within the Observatory grounds the soil is peaty and in many places is more or less boggy at all seasons. Some two feet, or less, below the surface a clay-like substance containing soft rock is encountered. The Local geological formation is described as "rock of the Tarannon Llandovery series traversed by igneous dykes."

Photographs, site plan, and a brief description of the Observatory will be found in the Introduction to "The Observatories' Year Book", 1935. The chief change during 1936 was the installation, towards the end of the year, of electric light and power by the connection of the Observatory to the Dumfries County Electric Supply. At the same time the acetylene plant formerly used for the illumination of various instruments was removed.

METEOROLOGY

The elements dealt with in the following tables are:- Atmospheric pressure, air temperature, humidity, rainfall, sunshine, solar radiation, wind speed and direction, earth temperature and minimum temperature on the grass. There is also a diary of cloud and weather.

Notes on Instruments

Brief descriptions of the recording instruments and of the methods of tabulating the records, with notes on the information contained in the Tables, are given in the General Introduction to the Tables. The following particulars, which refer specially to Eskdalemuir, are to be regarded as amplifying the information contained therein. References to full accounts of other instruments used at Eskdalemuir appear below.

Pressure.- The Fortin Barometer, which after repair was re-introduced as standard in January 1933 and superseded the standard Kew pattern barometer, was used throughout the year. The two barometers are close together in the north-west ground floor room, which has a small daily range of temperature.

The photographic mercurial barograph is situated in the east roof of the underground magnet house. The daily range of temperature to which the instrument is subject is normally less than 0·05°C., the annual range being about 4°C. The scale value of the records is 1 millimetre on the paper = 0·85 millibar, and the time scale is 9·1 millimetres on the paper = 1 hour.

As in former years, records of pressure were also obtained from (a) a Dines float barograph[1], and (b) a Richard barograph, pen recording, the records of which are changed weekly.

Temperature.- The photographic thermograph and the standard mercurial thermometers, dry bulb and wet bulb, are situated in a wooden hut, provided with louvred sides and double roof, which is some 200 feet (60 m.) north-north-east of the main building. The installation is similar to that described on p.12, except that a special enclosure is provided inside the hut to accommodate the optical and photographic arrangements.

The scale values of the thermograph records are 1°A. = 3·064 mm. and 2·438 mm. on the paper for the dry and wet bulb records respectively, while the time scale is 1 hour = 9·250 mm.

Auxiliary records of temperature are obtained from one or more instruments of the bimetallic type described in the "Meteorological Observers' Handbook". These instruments are situated in the hut which contains the photographic thermograph.

Humidity.- In addition to the dry and wet bulb thermograph described above there is a Richard hair hygrograph which is situated in the louvred hut.

As is stated in the General Introduction, the records from this instrument are utilised when the wet bulb reading does not exceed 273°A. On the records obtained in 1936 a change of 10 per cent. in relative humidity is represented by about 0·8 centimetres, the time scale being 1 hour = 11·4 mm.

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1 Q.J.R. Meteor. Soc., Vol. LV, pp. 37-53, 1929

Rainfall.- The recording instrument is a Beckley self-registering rain-gauge, which is described on page 13. The time scale of the record is 1 hour = 9·24 millimetres on the paper and the rain scale has a magnification of 3·35. The instrument has been in use at Eskdalemuir since 1908 and was originally installed at Fort William in July, 1890.

The conical part of the gauge funnel is surrounded by a cylindrical copper casing lined with asbestos on the inner side and of diameter equal to that of the funnel, viz. 11·27 inches (28·6 cm.). The gauge is now heated as occasion demands by means of an oil lamp, to melt snow which may be collected.

The gauge is surrounded by a circular turf wall or dyke, the top of which is on a level with the rim of the gauge; the external and internal diameters of the dyke being 11·5 feet (3·5 m.) and 7 feet (2 m.) respectively.

A standard 8-inch (20·3 cm.) rain-gauge is situated some 24·5 feet (7·5m.) to the east of the Beckley gauge and is surrounded by a turf dyke of similar dimensions. Readings of amounts of rain received in the 8-inch gauge are made at 7h and 18h G.M.T. It is customary to adjust the indications of the recording gauge to agree with the readings of the standard check gauge.

Auxiliary autographic records of precipitation were obtained by means of a Hellman-Fuess snow-gauge which is situated in a pit 8 feet (2·4 m.) wide and almost due north of the 8-inch standard gauge, the pit being surrounded by a low wall of earth and turf, the top of the wall being approximately level with the rim of the gauge. The records so obtained are used only in the event of failure or uncertainty of the Beckley autographic record. Records of rate of rainfall are obtained by means of a "Jardi" rate of rainfall recorder situated in a pit similar to that containing the Hellman-Fuess snow gauge and situated to the eastwards of it. Until May 8th the rim of the gauge was approximately 2·5 feet (0·8 m.) above the surrounding low wall of earth and turf, and subsequently 0·5 feet (0·1 m.) above it.

Sunshine.- The record of sunshine is obtained from a Campbell- Stokes recorder described on p.11.

On 15th April 1936 the recorder which is fixed on a stone pillar, was moved to the top of the underground chambers. It has a reasonably free exposure, the chief obstacles being hills to east and west. The elevation of hills between 70° and 110° east of south varies from 2·5° to 5°, while between 50° and 135° west of south the high ground varies in elevation from 3° to 4·4°, being generally about 3·5°. As sunshine can be recorded when the sun is 3° above the horizon only in the most favourable circumstances, it appears that the loss of record occasioned by the neighbouring high ground is of relatively small extent and is confined mainly to a possible defect of record at the beginning of the day during a few weeks centred about the equinoxes.

Solar Radiation.- Measurements of the intensity of radiation by means of an Ångström compensating pyrheliometer were this year vitiated by a faulty milliammeter, and are not published.

Wind.- A Dines Pressure Tube Anemometer, furnished with direction recorder, is situated in the main building. The vane-head is 15 metres above a tangent plane to the slope of the hillside and approximately 7 metres above the general level of the roof of the building.

In August 1933, the anemometer was replaced by another of similar pattern, except that the suction and pressure effects are now transmitted to the speed recorder by means of copper pipes of 2·5 cm. internal diameter, instead of by "compo" tube of 1·3 cm. internal diameter.

Apart from the surrounding hills, the exposure of the vane-head is tolerably free in all directions save to the west where at a distance of some 130 feet (40 m.) is a rather large building, of which the height is somewhat greater than that of the main building. With winds from nearly due west the direction records show markedly greater turbulence than with other winds.

Earth Temperature.- Readings have been made at 9h G.M.T. of the earth temperature at nominal depths of one foot and four feet below the surface of the grass lawn a few yards south of the thermometer hut. The thermometers and the method of exposure are of the standard type described in the "Meteorological Observers' Handbook". The depths of the thermometer bulbs below the grass-covered surface of the ground are 30 cm. (1 foot) and 122 cm. (4 feet). In December, 1930, two more thermometers, graduated in degrees absolute, were installed at 1 foot and 4 feet respectively alongside the other two thermometers graduated in degrees Fahrenheit, the former being retained as spares. The Fahrenheit pair were replaced as standards by the Absolute pair at the beginning of 1931.

Minimum Temperature on the Grass.- The thermometer used for readings of grass minimum temperature is of the spirit type with index, and when exposed, between 18h and 7h G.M.T., is supported at a height of one or two inches (4cm.) above close-cropped grass a few metres from the louvred thermometer hut.

Visibility.- The descriptions of the selected visibility objects, together with the distances and bearings from the point of observations, are given in the subjoined table. Auxiliary objects and guide criteria are given in brackets. Certain of the nearer objects may be identified by reference to the photographs and site plan. Unless otherwise stated, the distances and bearings are with reference to certain of the windows on the upper floor of the main building.

The situation of the Observatory and the nature of the immediate surroundings allow of only a very limited choice of objects. The objects A to D are situated mainly to the north, while the more distant objects are towards south to south-east, i.e., down valley. Four miles or so to the north of the Observatory the hills rise in places to rather more than 2,000 feet above sea level and at times visibility in this direction is distinctly less than towards south. On other occasions the hills to the north are visible but nearer objects down the valley are invisible owing to valley mist. With the exception of the cottage at Finglandsheil, and Cauldkine Hill, the objects more distant than D are below the level of the Observatory. There are no objects at distances which approximate sufficiently closely to the standard distances for objects H, J and K. When it is estimated that the range of visibility is such that objects at these standard distances would be visible the corresponding small letter entries are made in the Diary of Cloud and Weather. The estimates of visibility in the dark depend largely on the judgment of the observer. There are no lights other than those in the Observatory buildings and in two cottages within a radius of one mile.

VISIBILITY OBJECTS AT ESKDALEMUIR

Object		Distance	Bearing
A	(i) Twigs on trees nearest the boundary wall in front of the main building	25 yards	S.
	(ii) Small thermometer screen viewed from steps facing the back entrance to the main building..	26 "	NNE.
B	(i) Theodolite pillar..	55 "	N.
	(ii) Chimney (or cowl) on the large thermometer screen	60 "	NE.
C	Posts and shafts on underground magnetograph house	107 "	N.
D	Standards on Observatory reservoir	217 "	NNW.
E	(i) Church and Manse, Davington	550 "	SE.
	(ii) (Davington Farm House)	470 "	SSE.
F	(i) Chimneys at Burncleuch	1180 "	SSE.
	(ii) (Cottage at Finglandshiel)	1550 "	NE.
G	Trees at Garwaldwaterfoot	2160 "	SSE.
H (h)	(Lower slope of Raeburn Hill)	2 miles	SSE.
I	Hart Manor	4 miles	SSE.
J (j)	(Cauldkine Hill, 1,478 feet, near Westerkirk, not clearly visible)..	10½ "	SSE.
K (k)	(Cauldkine Hill, 1,478 feet, near Westerkirk, plainly visible)		
L (l)	No objects available		
M (m)	No objects available		

Note:- The description of auxiliary objects and guide criteria are given in brackets.

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1936

Standard Fortin Barometer	M.O.	1716/27
Standard Dry Bulb Thermometer	M.O.	19123
Standard Wet Bulb Thermometer	M.O.	1695
Hair Hygrograph	M.O.	59
Recording Beckley Rain-gauge	M.O.	4
Jardi Rate of Rainfall Recorder	M.O.	1
Control Rain-gauge	M.O.	336/30
Control Rain-gauge, glass for	M.O.	1558
Campbell-Stokes Sunshine Recorder	M.O.	99
Ångström compensating Pyrheliometer..		116
Dines Pressure Tube Anemometer		1019, 1081
Grass Minimum Thermometer	M.O.	7
Earth Thermometer, 1 Ft.	M.O.	24009
" " 4 Ft.	M.O.	4

CORRECTIONS TO INSTRUMENTS IN USE IN 1936

The corrections to the instruments in use during 1936 are given below. In all cases the corrections are those given in the certificate of examination issued by the National Physical Laboratory. The corrections here given have been applied. The date on which each of the instruments mentioned was brought into use is given for purpose of reference.

Fortin Barometer, M.O. 1716/27, Jan. 15, 1932

at	880	910	940	970	1000	1030	1050	mb
	-0.10	-0·05	-0·05	-0·05	-0·05	-0·05	-0·05	

Attached thermometer, No. 5592, Jan. 15, 1932

at	273	278	283	288	293	298	303	°A
	-0·1	-0·2	-0·2	-0·4	-0·3	-0·2	-0·2	

Dry Bulb Thermometer, M.O. 19123. January 27th, 1919

at	263	268	273	278	283	288	293	298	303 °A
	+0·2	+0·1	0·0	0·0	0·	-0·1	-0·1	-0·1	-0·1

Wet Bulb Thermometer, M.O. 1695. May 17th, 1930

at	253	263	273	283	293	303	313 °A
	0·0	0·0	-0·1	0·0	0·0	0·0	0·0

Grass Minimum Thermometers, M.O. 23002 to May 31st, 1936

at	253	263	273	283	293	303 °A
	-0·1	-0·1	0·0	0·0	0·0	-0·1

and M.O. 7. from June 1st, 1936

at	263	273	283	293	303 °A
	-0·2	0·0	-0·1	+0·1	0·0

Earth Thermometer 1 Ft. M.O. 24009 - No corrections.
4 Ft. M.O. 4, from 260 to 310°A , + 0·1

NOTE ON THE REDUCTION OF BAROMETER READINGS

The Fortin barometer, M.O. 1716/27 by Casella, London, has been used as the standard since 1st January, 1929. Before this date a Kew pattern mercury barometer M.O. 1320 by J. Hicks, London, was the standard instrument from 16th December, 1913. The latter was re-introduced on July 14,1931 when the Fortin barometer developed a leak and was sent away for repair and remained in use until January 14, 1933; the repaired Fortin barometer was then re-introduced.

1. Reduction to Pressure at Station Level.- The corrections for index error (including those for capacity and capillarity) as given in the N.P.L. certificates are reproduced above. The corrections for temperature for the barometer are those given in the "International Meteorological Tables" as appropriate to a Fortin barometer.

The corrections for the variation of gravity as obtained from the expression

$$g = 980{\cdot}617\ (1-{\cdot}00259 \cos 2\lambda\ )\ (1-5z/\ 4E)$$

where λ = latitude

z = height of the station

E = earth's radius

are as follows:-

at reading of	900	920	940	960	980	1000	1020	1040	mb
	+·78	+·80	+·81	+·83	+·85	+·87	+·88	+·90	mb

2. Reduction to Mean Sea Level.- The correction to reduce pressure at station level to pressure at sea level is calculated according to the usage of the "International Meteorological Tables" with certain minor modifications which are set out in "The Observatories' Year Book", 1928. In the same volume is given a copy of the Table actually in use.

NOTES ON THE METEOROLOGICAL SUMMARIES

The number of years for which meteorological results are available is insufficient as yet to yield a completely representative set of normal values. Although certain meteorological data are available for 1909 and 1910 it is only since 1911 that the reductions have been made in accordance with an approximately uniform plan. In the following notes the normal or average values referred to are those recently computed for the period 1911 to 1930, unless otherwise stated.

Pressure.- As was the case throughout most of the British Isles the mean pressure for the year was below normal, the deficiency being 0·5 mb. In each of the months January, February, March, July and November the mean pressure was subnormal; the value for January being the lowest mean pressure recorded in any month since 1911 and that for July being lower than for any previous month of that name. Mean pressure exceeded the normal in each of the other months, the greatest excess being in August, viz. 5·2 mb. The extreme instantaneous values recorded were 1006·4 mb. on November 20, and 934·5 mb. on January 9. The greatest and least mean daily values were 1005·2 mb. on November 20, and 945·5 mb. on December 14. The largest value of the range during a calendar day was 33·9 mb. on December 13. The mean value of the absolute daily range of pressure varied between 10·8 mb. in December. and 4·3 mb. in August. The annual mean value of the daily range was a little below normal.

Pressure.- (Diurnal Variation):- In the mean diurnal inequality for each month there are two maxima, in the late forenoon and usually an hour or two before midnight, and two minima, in the early morning and afternoon. In all months, except January, February and November, the night maximum of the representative inequalities for the year 1911-20 is the larger. In 1936 the principal maximum occurred in the late forenoon in January, April, October, November and December. The principal minimum in the representative inequalities is in the afternoon except in February, March, August and November, but in 1936 the principal minimum falls in the early morning in July, September, October and December. Compared with the mean diurnal inequality for 1911-20[1],

(1) "On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfries-shire," by A.Crichton Mitchell, D.Sc., "Quarterly Journal of the Royal Meteorological Society". Vol. L, No. 210, April, 1924

in 1936 the late forenoon crest is enhanced, while the afternoon trough and night crest are diminished.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1936 are given in the accompanying table. For purposes of comparison the corresponding data [1] derived from the mean inequalities for the period 1911-20 are also given. In computing the Fourier coefficient for 1936 the unit employed was ·001 mb. Although for 1936, as for recent years, the phase angles are given to the nearest 1°, this course is scarcely justified, at least for the third and fourth components, by the character of the data from which the harmonic coefficients for the months and seasons of a single year are computed. The phase angles α_1 etc., given in the table below refer to Local Mean Time, whereas in the corresponding tables for 1922 and 1923 the phase angles refer to Greenwich Mean Time.

As is usually the case the amplitude and phase of the 24-hour term fluctuate irregularly from month to month. The ratio of the mean of the twelve monthly values of c_1 to the value of c_1 for the year as a whole considerably exceeds unity. c_1 is noticeably high for August and December. The value of c_2 for the equinox, summer, winter and year differed little from normal. The variations in the 8-hour term from month to month are fairly normal, the amplitude being largest in winter months and least at the time of equinoctial phase transition.

HARMONIC COEFFICIENTS OF THE DIURNAL INEQUALITY OF ATMOSPHERIC PRESSURE

ESKDALEMUIR, LONGITUDE 3° 12′ W.

Values of c_n, α_n in the series $c_n \sin(15nt + \alpha_n)$, t being Local Mean Time reckoned in hours from midnight

Month and Season	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1936	1911-20	1936	1911-20	1936	1911-20	1936	1911-20	1936	1911-20	1936	1911-20	1936	1911-20	1936	1911-20
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
Jan.	·20	·09	315	346	·17	·23	87	152	·11	·13	8	345	·08	·05	353	214
Feb.	·16	·12	93	215	·19	·27	136	138	·09	·08	3	341	·06	·04	96	68
Mar.	·20	·13	60	185	·36	·30	148	145	·05	·05	311	335	·06	·05	26	25
Apr.	·23	·21	32	92	·33	·30	166	155	·03	·02	182	156	·04	·05	13	356
May	·34	·23	42	53	·33	·27	156	147	·06	·07	9	160	·02	·03	2	330
June	·24	·15	81	54	·30	·23	141	146	·07	·08	170	161	·02	·02	352	326
July	·22	·17	161	69	·20	·21	160	141	·05	·08	151	156	·02	·02	271	300
Aug.	·27	·11	87	115	·18	·24	162	148	·04	·06	173	157	·11	·05	355	331
Sept.	·27	·12	190	88	·37	·31	158	152	·03	·01	42	111	·04	·05	169	345
Oct.	·19	·11	227	76	·31	·31	167	159	·07	·06	347	8	·08	·04	21	33
Nov.	·13	·13	73	183	·22	·24	175	168	·11	·10	16	9	·02	·01	172	146
Dec.	·43	·14	240	97	·27	·21	167	147	·11	·12	331	4	·09	·07	196	213
Arithmetic Mean	·24	·14	...	...	·27	·26	...	...	·07	·07	...	...	·05	·04	...	...
Year	·06	·09	94	91	·26	·26	154	150	·02	·02	359	42	·01	·02	39	342
Winter	·07	·04	259	165	·18	·24	148	151	·10	·11	360	355	·05	·02	167	189
Equinox	·04	·11	133	104	·34	·31	159	153	·03	·02	339	4	·05	·04	15	9
Summer	·20	·15	83	67	·26	·24	152	146	·05	·07	171	159	·02	·03	170	324

NOTE.- "Winter" comprises the four months January, February, November, December
"Equinox" the months March, April, September, October
"Summer" the months May to August

(1) "On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfries-shire," by A. Crichton Mitchell, D.Sc., "Quarterly Journal of the Royal Meteorological Society," Vol. L, No. 210, April, 1924

Temperature.- The mean temperature, 280·09°A. (44·8°F.), for the year 1936 is 0·4°A above the normal value. The extreme temperatures recorded during the year were 299·9°A. (80·4°F.) on June 21 and 259·7°A. (~~8·1°A.~~) on (8·1°F.) January 19. January 19 with a mean daily temperature of 265·2°A. (18·0°F.) was also the coldest day of the year and June 21 with 292·1°A. (~~66·4°A.~~) was (66·4°F.) the hottest. The mean monthly temperatures in January, February, April and November were sub-normal, the mean in each of the other months being above the average, the greatest excess occurring in September (1·9°A.) and the greatest deficiency in February (1·7°A.). The minimum temperature was 273·0°A. (32·0°F.), or less on 106 days, 63 being in the first four months of the year. There were five "ice-days", i.e. days with maximum temperature below 273·0°A. (32·0°F.).

The values of the absolute range of temperature within a calendar month vary between 27·1°A. (48·8°F.) in June and 16·6°A. (29·9°F.) in July.

Humidity.- As is mentioned in the General Introduction, owing to a change in the hygrometric tables used, the results from 1926 onwards are not strictly comparable with those of earlier years. Compared with the mean values for 1911-25 the chief departures of the values of mean relative humidity in 1936 are - 5 in April and May and + 4 in November. The mean relative humidity, 83·6 per cent for the year, is slightly less than that for the years 1911-25, whilst the mean vapour pressure, 8·4 is identical with the mean for the years 1922-30. The extreme daily mean values of relative humidity and vapour pressure were 99·1 per cent. om November 20, 56·4 per cent on June 5, 17·2 mb. on August 24, 3·1 mb. on January 19 and December 7. The lowest hourly readings of relative humidity were 31 per cent on May 3 and June 5.

Precipitation.- 1936 was drier than normal, the total amount of rainfall, 1485·3 mm. (58·47 in.), being 5·2 per cent. less than the mean for the period 1911-30. The wettest months were December with 239·9mm. (9·44 in.) and January with 205·2 mm. (8·08 in.) May with 15·3 mm. (0·60 in.) was very dry, being the driest May on record. The greatest amount recorded during a calendar day was 59·7 mm. (2·35 in.) on October 24. There were 146 days on which precipitation was nil or amounted to less than 0·2 mm. Precipitation amounting to 0·2 mm. or more was recorded on 220 days ; to 1·0 mm. or more on 165 days; to 20·0 mm. or more on 17 days.

Snow or sleet fell on 52 days, but on no day from April 23 to October 24 inclusive. Observations of "snow lying" at 7h number 20, 11 of which were in January. There was a moderate fall of snow on January 20.

Sunshine.- The year's total duration of bright sunshine, 1195·5 hr. represents 26·7 per cent. of the theoretically "possible" duration; whereas the average percentage of "possible" for the years 1911-30 is 26·9. As regards the percentage of "possible" April was the sunniest and March the least sunny month of 1936. In all, there were 90 days without sunshine, 16 of these being in January, 15 in December and 13 in March, and 80 days with 50 per cent or more of the "possible" sunshine. The day with the most sunshine was June 21, with 14·4 hr. February 8 with 8·3 hr. (92 per cent) represents the highest value of the percentage of "possible" sunshine. March (with 44·3 hr.) was the dullest month of its name yet recorded.

Wind.- The mean wind speed for the year, 4·5 m/s. (10·0 mi/hr.), was 0·6 m/s. less than the normal value. Although the individual monthly values

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differed respectively little from the normal monthly values, all were deficient except for July and December, the mean speeds for January and November exhibiting the greatest relative deficiency and that for December the greatest excess. There were 40 hours of gale force (mean speed greater than 17·1m/s.), 31 of them occurring in December. The highest gust of the year, 39·8m/s. (87 mi/hr.), occurred on October 27, the highest hourly speed 22·4 m/s. (50·0mi/hr) on January 9, the highest mean daily speed, 17·0 m/s. (38·0 mi/hr.), on December 20 and the lowest mean daily speed, 0·1m/s. (0·2 mi/hr.), on November 24.

The distribution of wind direction in most months of the year differed little from the normal. The preponderance of winds between North and East in April and May, accompanied by a decrease in the frequency of southwesterly winds, was very marked with the effect that the excess frequency of winds between North and East for the year was larger than in 1935. Southwesterly winds predominated in most other months and their frequency was especially great in December.

Grass Minimum Temperature.- There were 104 occasions of ground frost (i.e. grass minimum temperature not greater than 272·1°A. or 30·4°F.), but none of these occurred between June 8 and July 27. The lowest grass minimum temperature was 258·4°A. (5·7°F.) on February 13. The mean grass minimum temperature for each of the months January, February, April and November is less than 273·0°A. (32·0°F.), the mean for September is the highest for that month on record.

Cloud and Weather.- (A) the mean amount of cloud observed at the six hours of observation is 7·5, which is just below the normal. March with 8·5 has the largest mean amount, and April with 6·5 has the smallest. The largest mean amount for an observational hour is 9·1 at 13h in March; the least is 5·4 at 21h in April. There were no days on which no cloud was seen at the normal hours of observation. On 36 days the amount 10 was recorded at every hour of observation.

(B) Thunder was heard on 12 days, while there were observations of solar halo on 11 days, and of lunar halo on 5 days, and of aurora or auroral glow on 13 days.

(C) The numbers of occasions on which the range of visibility was estimated to be (1) not greater than 500 metres (550 yards), corresponding with the entries X to E, and (2) at least 20 kilometres (12½ miles), corresponding with the entries k, l, m, are summarized below. The limitations to which the estimates of visibility are subject are mentioned on p. 154. It is to be noted that the group (1) above consists of the occasions which are held to merit the description "fog, moderate, thick, or dense", while the entries k, l, m, denote "very good or excellent visibility.

There were more occasions of fog and fewer of estimates k, l, and m than in 1935. Fog was most frequent in January and November, but entirely absent (at the standard hours of observation) in April, July, September and October. There were 109 estimates of m, visibility 50 km. (31 mi) or more, distributed among 60 days, 67 of the occasions were associated with increasing barometric pressure, and 79 with winds from west-south-west through north to north-east.

NUMBER OF OCCASIONS OF-

1936	VISIBILITY X to E							VISIBILITY, k, l, m.						
	7h	9h	13h	15h	18h	21h	Total	7h	9h	13h	15h	18h	21h	Total
Jan.	4	5	3	1	1	4	18	6	8	9	8	5	4	40
Feb.	-	3	1	-	3	1	8	4	8	8	9	4	4	37
Mar.	2	-	-	-	2	1	5	4	4	8	9	11	6	42
Apr.	-	-	-	-	-	-	-	17	16	22	22	18	18	113
May	-	-	-	-	-	-	1	12	15	20	19	21	13	100
June	2	1	-	-	-	-	3	13	12	14	13	15	12	79
July	-	-	-	-	-	-	-	6	15	18	18	19	9	85
Aug.	5	1	-	1	1	2	10	10	12	16	20	19	13	90
Sept.	-	-	-	-	-	-	-	7	10	12	11	8	6	54
Oct.	-	-	-	-	-	-	-	21	19	18	18	16	14	106
Nov.	3	4	1	1	4	2	15	5	4	8	11	8	5	41
Dec.	2	2	1	1	-	2	8	8	10	8	12	9	6	53
Year	18	16	6	4	11	13	68	113	133	161	170	153	110	830

ATMOSPHERIC ELECTRICITY

Notes on the Instruments

Autographic records of atmospheric electrical potential gradient were obtained by means of an electrograph of the Kelvin water-dropper type, the potential at the water-jet being registered by a Dolezalek quadrant electrometer, until January 31st 1936. After that date a polonium collector was used.

The collector was screwed to a boom projecting through a pipe in the north wall about 4 feet above the former position of the water-dropper. The boom was supported on sulphur insulators in a box inside the building. When making scale tests the collector was screwed off the boom, otherwise in all essential details the electrograph arrangements, the method of making scale tests and the method of reducing the autographic curve readings to potential gradient in the open were as described in "The Observatories' Year Book," 1928, pp. 160-161. Insulation tests were carried out each day, using an eye-reading method. The system was charged and the fall in potential during a two minutes interval was measured by noting the change in position of the spot of light on a scale placed in front of the recording drum. The insulation was not in general so satisfactory as in previous years.

The scale value of the photographic record obtained by means of the Dolezalek electrometer used in conjunction with the water-dropper remained at about 2·0 to 2·1 volts per mm. throughout the year. The number of determinations of the reduction factor (i.e., the ratio of the potential at one metre above the ground in the open to the potential at the water-jet) was about six per month, each determination being based on fifteen or more readings (at intervals of half a minute) of the potential in the open. The values of the monthly reduction factor finally adopted for 1936 were obtained by a smooth-

ing process, the adopted value for a given month being $\frac{(a + 2b + c)}{4}$ where a, b, c, are the unsmoothed monthly mean factors for the three successive months centred in the given month.

All determinations of scale value and reduction factor were obtained with a particular Wulf quartz-thread electrometer. This instrument was calibrated by means of a high tension battery, the potentials of which were measured by a potentiometer and standard cell, in March and again in December. The December calibration showed that the instrument was 4% less sensitive, and a correction for this amount was introduced gradually in assigning the reduction factors between these dates.

IDENTIFICATION NUMBER OF INSTRUMENT USED IN 1936

Wulf bifilar electrometer 3040

Notes on the Tables and Results

As far as possible an electrical character figure is assigned to each day and values of potential gradient are assigned for 2-3h, 8-9h, 14-15h, and 20-21h G.M.T. of all days, while values for all hours are assigned on days classified as 0a, 1a, or 2a. The character figures are given in Table 268, the significance of these symbols being as follows:-

0, denotes a day during which from midnight to midnight no negative potential was recorded.

1, denotes the existence of negative potential at one or more times during the same period, but with a total duration of less than three hours.

2, denotes negative potential extending in the aggregate over three hours or more during the same period.

a, denotes that within the 24 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation there was in no case a range of potential gradient in the open exceeding 1,000 volts per metre.

b, denotes that, during the same period, a range of 1,000 volts or more per metre was reached in one hour at least but in fewer than six hours.

c, denotes that, during the same period, a range of 1,000 volts or more per metre was reached in at least six hours.

Table 265 contains the values of electrical potential gradient at 2-3h, 8-9h, 14-15h, and 20-21h G.M.T.; the value for a given hour represents the mean for the period of 60 minutes between exact hours, instead of centering at the exact hour, as was done in years prior to 1932. Blanks indicate that the trace was in some way defective. If it is possible to assign an approximate value of the potential gradient on such days, this value is given in brackets. The reduction factors, used in converting the potential at the water-jet to potential gradient in volts per metre in the open, are also given.

In Table 266 are given, for 0a days, (1) the mean diurnal inequalities for the months, seasons and year, (2) particulars of the number of days and

of the non-cyclic changes and (3) the corresponding mean values of potential gradient. The inequalities, or the mean values, for the year and seasons are the means of the inequalities or means respectively, for the appropriate months.

Corresponding data for 1a and 2a days combined appear in Table 267.

It should be noted, that in these tables, "Winter" denotes the four months January, February, November, December; "Equinox" the four months March, April September, October; and "Summer" the four months May to August.

In addition to the electrical character for each day, Table 268 contains the daily, monthly and annual values of duration (in hours and tenths) of negative potential gradient. On 18 days of defective record when negative potential may have occurred dashes are entered; the sign of the gradient has been assumed positive during periods of defective record in which no precipitation was observed. If precipitation was recorded for less than an hour during such defective periods an approximate value of the duration of negative potential for that hour has been assigned, and the total for the day given in brackets. When, during highly oscillatory gradients, there was uncertainty as to the times of change of sign, half of the total duration of doubtful sign was accounted negative. The total duration of negative potential gradient in each month and the average daily duration are entered in the lower part of the table. For the 348 days of assignable duration of negative potential gradient the total number of hours was 835·1 as compared with 790·8 in 1935; an average of 2·40 hours per day, as against 2·18 hours per day in 1935.

Following the practice adopted in 1923, the mean values of potential gradient given in Table 265 are of two kinds, viz., (a) the mean of all the positive values of potential in the column and (b) the algebraic mean derived from all days on which all four hours were represented. The mean values for the month, as derived from the (a) and (b) values respectively, are shown in the last line, and the means for the year are given at the foot of the December table. It is to be expected that the mean derived from the values at 2-3h, 8-9h, 14-15h, 20-21h, on a sufficiently large number of days, will approximate closely to the mean value derived from all hourly values of all the days.

The (a) mean exceeds or is equal to the (b) mean in every month excepting January and December and is exceeded by the mean value on 0a days, in all months excepting March, April and September. The general tendency is for 1936 values to be higher than those of 1935, this being the case in eight months for both the (a) mean and the (b) mean.

Annual mean values for recent years, derived by giving equal weight to the twelve monthly means, of the (a) and the (b) means and of the means for 0a days are as follows:-

	0a v/m.	(a) v/m.	(b) v/m.
1922	257	225	182
1923	278	235	159
1924	236	214	157
1925	284	243	209
1926	249	201	177
1927	259	223	193
1928	237	219	150
1929	276	240	216
1930	247	211	194
1931	243	205	197
1932	223	198	190
1933	237	218	218
1934	233	201	190
1935	231	203	200
1936	223	190	182

The highest values of the (a) mean occurs in February and of the (b) mean occurs in January. The mean value of 0a days is highest in February, being 391 volts per metre.

Noteworthy occasions of high potential gradient were as follows:-

(1) January 17d 20h 47m to 18d 1h 16m. During snow the potential gradient was continuously above 800 v/m, exceeding the upper limit of registration (930 v/m) for most of the period.

(2) February 13d 11h 18m to 14d 2h 53m. Fog was prevalent during part of this period in which the potential gradient was continuously above 600 v/m and exceeded 760 v/m for some time.

(3) February 29d 21h 22m to March 1d 10h 37m. Snow fell throughout this period in which the potential gradient was continuously above 600 v/m and exceeded 730 v/m for more than 9 hours.

(4) November 20d 15h 12m to 21d 0h 29m. During fog the potential gradient was continuously above 600 v/m, frequently exceeding the upper limit of registration (900 v/m).

(5) November 21d 16h 17m to 22d 3h 26m. Apart from a few minutes the potential gradient was continuously above 600 v/m and frequently exceeded 900 v/m. Fog developed during this period.

(6) December 12d 16h 9m to 23h 17m. The sky was partially clouded during this period. Potential gradient remained above 600 v/m throughout and frequently exceeded the upper limit of registration (830 v/m).

The following were the noteworthy occasions of continuous negative potential gradient:-

(1) January 6d 17h 40m. to 7d 1h 58m. Rain fell continuously during this period in which the lower limit of registration (-870 v/m) was exceeded for an aggregate of over five hours.

(2) February 18d 4h 44m to 10h 32m. During continuous rain the lower limit of registration (-800 v/m) was exceeded for over four hours.

(3) March 7d 10h 37m to 16d 59m. The lower limit of registration (-800 v/m) was occasionally exceeded during this period of rain.

(4) April 23d 18h 4m to 24d 3h 33m. During continuous rain the lower limit of registration (-830 v/m) was exceeded for an aggregate of over three hours.

(5) December 11d 20h 8m to 12d 6h 0m. The potential gradient exceeded the lower limit of registration (-750 v/m) at times and on two occasions during the period decreased almost to zero. Rain fell continuously throughout.

(6) December 15d 20h 19m to 16d 1h 36m. Continuous heavy rain fell throughout this period in which the lower limit of registration (-800 v/m) was exceeded during an aggregate of four hours.

On the following occasions long periods of negative potential gradient were broken by short excursions to the positive side:-

(1) January 5d 3h 46m to 18h 27m. There were several short excursions to the positive side during one of which the gradient reached +700 v/m. Snow fell early in the period followed by continuous rain.

(2) October 24d 11h 56m to 23h 36m. Apart from an excursion to the positive side lasting three minutes in which the potential gradient exceeded 800 v/m, potential gradient was negative throughout and exceeded the limit of registration (-770 v/m) over an aggregate of eleven hours. Rain which was heavy for a time fell continuously throughout.

(3) November 7d 13h 12m to 21h 8m. The continuity of negative potential was broken by three short excursions to the positive side lasting 3, 2 and 3 minutes respectively, in the last of which the potential gradient exceeded +840 v/m, the upper limit of registration. Rain fell intermittently during the period.

(4) November 17d 8h 35m to 18h 17m. There were several short excursions to the positive side in one of which the gradient reached +85 v/m. There was continuous rain, which became light towards the end of this period.

(5) December 13d 19h 8m to 14d 9h 27m. Apart from three short excursions to the positive side of 2, 14 and 7 minutes duration in one of which the potential gradient reached +93 v/m, the potential gradient was negative throughout and exceeded the lower limit of registration (-780 v/m) for six hours continuously. Rain, heavy at times, fell throughout the period.

There are considerable irregularities in the mean diurnal inequalities of potential gradient on 0a days for individual months, although in all months, excepting January and June, the principal maximum occurs in the late evening. When compared with normal values for 1913-32 the mean diurnal inequalities for the seasons show some differences, the principal maximum being decreased for Summer and Winter while the secondary minimum is intensified for Summer and Equinox. These features are also prominent in the mean diurnal inequalities for the year.

TERRESTRIAL MAGNETISM

Notes on the Instruments

In December 1935 a la Cour magnetograph set of standard type was received and installed in the west chamber of the underground magnet house alongside the La Cour set of the quick run type. The new set was adopted as the standard as from January 1st 1936; the former standard magnetographs

of Adie type situated in the east chamber (recording changes in H, D and V) were continued in operation as the auxiliary set.

The La Cour set consists of H, D and V variometers. The H and D magnets are about 1 cm. in length, and each is supported by a single quartz fibre. A description of the H variometer is given in Publikationer fra det Danske Meteorologiske Institut, Communications Magnétiques, No.11 (le Variomètre de Copenhague). The V magnet is larger; it is supported by knife edges resting on agates, and is enclosed in a sealed vessel under reduced pressure. A description of this instrument is given in Pub. fra det Danske Met.Inst., Communications Magnetiques, No. 8 (la Balance de Godhavn).

The recording apparatus is so designed that the three elements are recorded on one sheet of photographic paper, with a single electric lamp as source of light. Time marks are made by a second lamp, the circuit of which is closed by a clock for about 2 seconds every five minutes. The width of paper is 10 cm. for each element, but the effective width is increased by a number of small prisms which reflect light from the lamp into the variometers, producing a series of light-spots at intervals of slightly less than 10 cm.

Scale values of H and V are measured by passing a current through Helmholtz-Gaugain coils placed over the variometers, the resulting deflexions being recorded on the photographic papers. The scale value of H is about 4·1 γ/mm and of V about 5·9 γ/mm. The scale value of D is computed from the distance between the mirror and the recording drum and is 0.9' per mm.

The diurnal range of temperature in the chambers of the magnet house is normally negligible. Temperature is ascertained daily at 10h by the thermometers within the instrument cases. The daily values for the west chamber appear in Tables 272, 276, etc.; the monthly means of the readings so obtained during 1936, were as follows:-

EXCESS OF MEAN TEMPERATURE ABOVE 280°A.

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Mean 1936	1·2	0·1	-0·4	-0·6	-0·1	0·8	2·1	3·2	3·8	3·7	3·0	3·3

The annual range of temperature in the west chamber during 1936 was 4·9°C., the mean range for the previous twenty-four years in the east chamber being 4·3°C. Heating by electric radiators, thermostatically controlled, was introduced on 27th November, 1936.

The constants of the standard magnetographs were as follows:-

	Horizontal Force	Declination	Vertical Force
Time scale .. 1 hour equivalent to	15 mm.	15 mm.	15 mm.
Time marks	Every five minutes and the minute before and after the hour.		
Error of time mark	Not more than ± 30 seconds.		
Angular equivalent of 1 mm. on paper, radians	·00050	·00054	·00056
Temperature coefficient	Nil	Nil	Nil
Mean Azimuth of magnet	76	346	346

SCALE VALUES OF THE MAGNETOGRAPHS (γ per mm. on the paper)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Horizontal Force						4·07γ						
Vertical Force						5·87γ						
Declination	1 mm. = 0′.94 or 4·51 γ											

A description of the auxiliary instruments in the east chamber is given in the Observatories' Year Book for 1935 and previous years. The records are used only to fill in gaps in the standard records. Determinations of the scale value are made once a month.

Since November 1936 the illumination for the auxiliary set has been obtained from the public electricity supply through a small transformer, and the temperature in the corridors of the underground magnet house has been adjusted by non magnetic tubular heaters with thermostatic controls. The illumination for the La Cour sets is provided from the large storage battery formerly in use; those sets can be maintained in operation even in the event of breakdown of the transmission lines which connect the observatory to the public electricity supply.

The la Cour magnetograph of the quick run type, recording H, D, and V, installed in the west chamber of the underground magnet house in connection with the second International Polar Year has been continued since then.

The routine absolute observations of the magnetic elements are made in the east magnetic hut; as a rule two complete sets of observations are made every week, but generally determinations of declination and horizontal force are made on nearly every week-day. Declination is determined by means of the Kew pattern unifilar magnetometer (which was employed by Rücker and Thorpe in their magnetic surveys of the British Isles, 1886-1892) placed on Pier No.5. Determinations of horizontal force have in general been made daily with a Schuster-Smith Coil magnetometer placed on a pillar erected specially for it, and about twice each month throughout the year with the Kew pattern unifilar magnetometer mentioned above. Determinations of inclination (dip) are made by means of the Schulze inductor on Pier No. 6.

For a detailed description of the method of observation with the Kew pattern magnetometer reference should be made elsewhere.[1]

In determining declination four readings are taken, two with the magnet erect, two with the magnet inverted. A correction is applied to the mean of the observations for the observed torsion in the silk suspending fibre. The fixed mark is about one half-mile (0·8 km.) distant from Pier No. 5, and its bearing is taken as 8° 12′ 30″ west of south.

Determination of horizontal intensity with the Kew unifilar magnetometer comprises observations of (a) the time of vibration of the collimator magnet,

[1] Dict. of Applied Physics, Vol. II, p. 532 or Stewart and Gee's "Practical Physics"

and (b) the deflection of a mirror magnet by the collimator magnet. Formerly deflection observations were made for three distances of the collimator magnet, the order of the positions of the latter being: on east arm at 35cm. 30 cm., 25 cm.; on west arm at 25 cm., 30 cm., 35 cm. Thus the mean times for the deflections at the three distances were very nearly, if not exactly, identical and the observations were concentrated at the 25 cm. distance. Commencing on April 28, 1931, deflections were observed at 25 cm. only, except on one occasion per month when deflections were observed at the three distances 35 cm., 30 cm. and 25 cm. By observing deflections at 25 cm. only the time of observation is reduced by about 16 minutes. The time interval between the mean time of the vibration and deflection experiments is usually about half an hour. The horizontal intensity, H, is calculated from $H = \sqrt{mH_v \times H_r/m}$ where mH_v is obtained from the vibration experiment and H_r/m from the deflections made at the 25 cm. distance, m being the moment of the collimator magnet. H_r/m is corrected for the distribution of magnetism in the magnets. From the latter part of 1913 until the end of 1923 the value of this correction, viz., $\log_{10}(1 + P/25^2 + Q/25^4)$, applied to the observations of a given month was a mean value derived from the observations obtained during the seven months including the given month as fourth of the seven. The monthly values so derived show considerable fluctuations, and it is improbable that P and Q actually varied to the extent implied. Commencing in 1924 the value of the correction used in reducing the horizontal intensity observations has been the mean of the mean values for each of the years 1917-24, 1917-25, etc. The mean value of the logarithm for the years 1917-36 is ·00542. A variation of ·00020 in the value of $\log_{10}(1 + P/25^2 + Q/25^4)$ corresponds with a variation of about 4γ in the derived value of H.

The values of P, Q, and $\log_{10}(1 + p/25^2 + Q/25^4)$ for individual years are as follows:-

Year	P	Q	$\log_{10}(1 + P/25^2 + Q/25^4)$
1917 ...	+ 6·86	+ 419 ...	·00520
1918 ...	+ 7·60	+ 69 ...	·00533
1919 ...	+ 9·13	- 603 ...	·00563
1920 ...	+ 8·22	- 217 ...	·00544
1921 ...	+ 7·98	+ 25 ...	·00554
1922 ...	+ 6·91	+ 513 ...	·00513
1923 ...	+ 6·37	+ 614 ...	·00508
1924 ...	+ 7·90	- 129 ...	·00531
1925 ...	+ 8·21	- 262 ...	·00538
1926 ...	+ 9·67	- 938 ...	·00564
1927 ...	+10·42	-1285 ...	·00580
1928 ...	+ 8·71	- 547 ...	·00541
1929 ...	+ 9·74	- 917 ...	·00571
1930 ...	+ 8·68	- 537 ...	·00540
1931 ...	+ 8·77	- 685 ...	·00530
1932 ...	+10·45	-1315 ...	·00576
1933 ...	+ 8·63	- 499 ...	·00541
1934 ...	+ 9·52	- 775 ...	·00572
1935 ...	+ 6·52	+ 403 ...	·00495
1936 ...	+ 7·68	- 246 ...	·00518

Though observations of horizontal force have continued to be made twice monthly with the Kew Magnetometer, the absolute standard as from 1st January

1934 has been the Schuster-Smith Coil. This instrument was installed at the observatory in February 1931 and a first series of comparative observations extended from October 1931 until June 1933 when the potentiometer was returned to the makers in order that certain alterations might be incorporated in it. After recalibration at the National Physical Laboratory the potentiometer was returned to the Observatory and the Coil was brought into daily use.

A complete description of the Schuster-Smith Coil and of the method of observing with it is given in the Philosophical Transactions of the Royal Society, A.Vol.223 (1922), pp.175-200. Essentially the instrument consists of a Helmholz-Gaugain system of two coils of wire accurately wound on a hollow marble cylinder. A small magnet is suspended at the centre of the coil system. The current passing through the coils is very accurately adjusted by use of a Broca Galvanometer in a potentiometer circuit in which the electromotive force across a known resistance is balanced against a Weston Standard cell. The principle of the instrument is that a horizontal magnetic field, slightly greater than the earth's field and almost opposite to it in direction, is set up through the coil system. By suitable adjustment of the current through the coils this coil field can be arranged to be of such a magnitude that the resultant field, as indicated by the alignment of the magnet at the centre, is exactly at right angles to the earth's field. In this equilibrium position if α is the angle between the direction of the earth's field and that set up by the coils, if F is the constant of the coil system (i.e. the field due to unit current through the coil) and i is the current, then

$$H = Fi \cos \alpha$$

The replacement of the Elliott No.60 Kew Type magnetometer by the Schuster-Smith coil as standard has involved a discontinuity of -14γ in H and correspondingly -38γ in V as from 1st January 1934. This fall in H has been established by a long series of intercomparisons between the old and new standards. Of the total amount of 14γ it has been estimated that 10γ is accounted for by departure of the moment of inertia of the magnet system of the Elliott magnetometer from the value as originally determined and as used up to and including the year 1933 in the reduction of the results of absolute observations. When the most recent determinations of the moment of inertia are incorporated the values of H determined by the Elliott magnetometer are lowered by 10γ. If this change came in gradually throughout a period of about twenty-five years it will have affected the calculated secular changes to the extent of less than $\frac{1}{2}\gamma$ per annum.

The remaining 4γ of fall between the Elliott determinations, corrected as described above, and the determinations made by the Schuster-Smith Coil is to be regarded as the net change arising from instrumental differences.

On the basis of a short series of observations made at Eskdalemuir in January 1933 by an officer from the Royal Observatory, Greenwich, using Kew Magnetometer Casella No. 181 as a travelling standard, it was deduced that the Eskdalemuir Schuster-Smith Coil reads about 5γ lower than the Abinger Coil; this means that the Elliott No. 60 determinations, corrected for the revised moment of inertia of magnet, apparently read only 1γ different from the Abinger Coil. These results are, however, subject to some uncertainty and it was decided that the Eskdalemuir Coil, without any correction, should be used from 1st January 1934 as the absolute standard for Eskdalemuir. Thus, as already indicated, changes of -14γ in H and -38γ in V must be kept in mind in com-

paring the published results for 1933 and earlier years with the results for 1934 and later years.

The Schulze inductor[1] consists essentially of a coil of insulated wire which can be rotated continuously and rapidly about an axis which coincides with a diameter of the coil. This axis is capable of rotation about a horizontal and vertical axis. The inclination and azimuth of the coil axis are read off on a vertical and horizontal scale respectively. The windings of the coil are led off from a commutator to a Broca galvanometer. To effect a determination of magnetic inclination, the coil is then rotated steadily at the rate of about 360 revolutions per minute and the inclination of the axis of rotation is adjusted until the galvanometer deflection is the same in magnitude and sign whether the sense of rotation is positive or negative. In this position the rotation axis of the coil coincides with the direction of the earth's field and the inclination to the horizontal may be read off from the vertical circle. Two series of settings are made, one with the vertical circle facing east, the other with the circle facing west.

The base line values of the magnetograph records are deduced from the results of the absolute observations, any of the latter obtained during times of considerable disturbance being excluded.

In the case of horizontal force and declination, the equivalent value of the mean curve ordinate, corresponding to the period of observation, is subtracted from the observed value of the element to give the deduced base line value of the record. Similarly, by the combined use of the curve ordinates at the times of the inclination and horizontal force observations the value of H corresponding to the inclination observations is obtained and thence the base value for V. The base line values finally adopted are obtained from a curve drawn smoothly through points given by the deduced values, due allowance being made for discontinuities in the records.

Some of the absolute determinations of D, I and H are summarized in the subjoined table. Considerations of space make it necessary to limit the observations printed to about two per week, but, as indicated above, absolute observations of some of the elements are made more frequently. For each set of absolute observations are shown the deduced base line values, of H, D, and V and, in brackets, the adopted base line values. Thus, an entry 16210 (11) signifies:- deduced base line value 16210, adopted base line value 16211. The adopted values were obtained as described in the foregoing, and therefore the base line values corresponding to dates between those given in the table may be obtained by interpolation.

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[1] For description of, and discussion of method of observation with earth inductors see papers by:-

H. Wild. Met. Zeit., 1895, p.41

O. Venske. Ber. uber die Tat. des Preuss. Met. Inst. in 1924, p.91 (and references given therein)

N.E. Dorsey. Terr. Mag., Vol. 18, p. 1; 1913

ABSOLUTE DETERMINATIONS OF D, I AND H, AND BASE LINE VALUES OF H, D AND V.

Eskdalemuir 1936

Date	Declination		Inclination		Horizontal Force		Base line values (deduced and adopted)		
	Mean Time	D	Mean Time	I	Mean Time	H	H	D	V
	h m	° ′ ″	h m	° ′	h m	γ	16,000γ+	° ′ ′	44,000γ+
Jan. 7	9 11	13 40 10	9 31	69 48·2	9 55	16512	439 (46)	12 58·8 (59·4)	632 (03)
15	9 41	13 42 7	10 15	69 48·4	9 59	16516	443 (46)	59·0 (59·4)	635 (04)
18	9 9	13 40 35	9 27	69 47·6	10 1	16508	443 (45)	59·4 (59·4)	619 (05)
22	9 16	13 45 25	9 35	69 48·2	10 7	16519	441 (43)	59·4 (59·4)	638 (06)
24	10 5	13 43 33	9 50	69 47·8	9 31	16515	439 (43)	59·4 (59·4)	615 (06)
29	9 15	13 42 44	9 57	69 48·1	9 39	16516	458 (58)	59·0 (59·4)	620 (06)
Feb. 4	9 17	13 49 50	9 39	69 48·3	10 7	16512	489 (92)	12 59·7 (59·4)	611 (07)
8	9 57	13 41 24	9 20	69 47·5	9 43	16523	492 (91)	59·3 (59·4)	611 (08)
12	9 17	13 39 30	11 19	69 48·5	9 47	16518	491 (91)	59·0 (59·4)	607 (08)
18	9 11	13 41 55	9 29	69 49·0	9 53	16510	492 (90)	59·1 (59·4)	628 (09)
25	9 21	13 39 30	14 20	69 49·7	9 47	16517	489 (89)	59·1 (59·3)	618 (10)
27	9 17	13 40 6	9 36	69 49·1	10 5	16500	489 (89)	59·1 (59·3)	606 (11)
Mar. 4	9 11	13 38 10	9 29	69 46·6	9 55	16523	487 (88)	12 59·1 (59·3)	593 (612)
6	9 15	13 37 40	9 33	69 47·5	9 57	16524	488 (88)	59·3 (59·3)	614 (12)
11	9 27	13 38 10	9 45	69 47·7	10 3	16513	483 (88)	59·6 (59·3)	607 (13)
13	10 26	13 38 15	9 33	69 47·6	10 11	16514	487 (88)	58·9 (59·3)	610 (13)
17	9 11	13 37 40	9 29	69 48·7	10 5	16510	489 (88)	59·3 (59·2)	617 (14)
20	9 15	13 36 30	9 34	69 49·9	9 59	16499	491 (88)	58·3 (59·2)	613 (14)
24	9 9	13 39 5	9 35	69 50·2	10 10	16478	489 (87)	59·4 (59·2)	596 (614)
27	9 13	13 36 38	9 30	69 49·4	10 1	16484	484 (87)	58·7 (59·2)	582 (615)
30	10 57	13 39 0	12 31	69 49·8	12 13	16483	485 (87)	58·7 (59·2)	631 (16)
Apr. 3	9 7	13 34 12	9 25	69 48·8	10 1	16497	487 (87)	12 58·6 (59·2)	615 (16)
7	9 11	13 32 57	9 31	69 48·3	9 59	16501	- (86)	58·5 (59·1)	601 (17)
10	11 15	13 39 30	12 35	69 50·1	12 15	16485	482 (86)	59·2 (59·1)	641 (17)
14	9 11	13 35 27	9 31	69 48·9	9 57	16488	484 (85)	58·7 (59·1)	617 (18)
22	8 13	13 35 0	8 33	69 54·4	9 3	16426	487 (84)	58·8 (59·1)	632 (19)
24	8 13	13 36 52	8 33	69 48·9	8 57	16483	483 (84)	59·0 (59·1)	579 (619)
28	7 57	13 33 15	8 19	69 48·3	8 41	16512	484 (84)	59·1 (59·0)	620 (20)
May 1	11 9	13 41 48	10 15	69 49·6	11 1	16494	486 (84)	12 59·3 (59·0)	617 (20)
4	8 10	13 37 24	9 35	69 49·3	8 32	16512	483 (84)	59·0 (59·0)	616 (20)
12	8 17	13 33 53	8 36	69 50·3	9 4	16485	483 (83)	58·8 (59·0)	632 (21)
15	8 13	13 32 51	8 33	69 51·9	9 1	16477	483 (83)	59·0 (59·0)	625 (21)
19	8 13	13 28 18	8 34	69 51·0	9 1	16475	483 (82)	58·9 (59·0)	620 (22)
23	8 5	13 31 57	8 25	69 50·6	8 49	16482	482 (82)	59·0 (59·0)	629 (22)
27	8 1	13 31 0	8 22	69 50·4	8 45	16494	483 (82)	59·0 (58·9)	636 (22)
29	7 53	13 28 37	8 33	69 49·4	8 57	16505	481 (82)	58·8 (58·9)	621 (22)
June 3	8 21	13 32 0	8 39	69 49·8	9 7	16490	481 (81)	12 58·8 (58·9)	619 (22)
5	8 31	13 31 58	8 49	69 49·6	9 11	16493	480 (81)	59·0 (58·9)	616 (22)
10	8 47	13 29 33	8 9	69 49·0	8 37	16501	483 (81)	59·1 (58·9)	629 (22)
12	8 7	13 35 43	8 26	69 49·0	8 49	16503	480 (80)	58·9 (58·9)	631 (22)
16	8 14	13 32 32	8 31	69 51·6	8 57	16477	478 (80)	59·0 (58·9)	619 (22)
22	8 19	13 29 57	8 37	69 50·5	9 1	16486	480 (80)	59·1 (58·9)	630 (22)
26	8 9	13 30 55	8 29	69 49·3	8 57	16495	475 (79)	59·0 (58·9)	626 (23)
30	8 11	13 30 15	8 29	69 48·5	8 35	16512	479 (79)	58·9 (58·9)	617 (23)
July 3	8 25	13 36 40	8 45	69 50·5	9 17	16494	479 (79)	12 59·0 (58·9)	624 (24)
8	8 19	13 31 0	8 59	69 51·6	9 27	16471	479 (79)	58·9 (58·8)	624 (24)
10	8 10	13 32 18	8 31	69 49·0	9 1	16515	478 (79)	58·8 (58·8)	629 (24)

ABSOLUTE DETERMINATIONS-Continued

Eskdalemuir 1936

Date		Declination		Inclination		Horizontal Force		Base line values (deduced and adopted)		
		Mean Time	D	Mean Time	I	Mean Time	H	H	D	V
		h m	° ′ ″	h m	° ′	h m	γ	16,0000γ+	° ′ ″	44,000γ+
July	15	8 11	13 32 35	8 30	69 49·6	8 49	16493	477 (79)	12 58·9 (58·8)	626 (24)
	17	8 19	13 31 13	8 37	69 49·9	9 9	16491	478 (79)	59·1 (58·8)	632 (24)
	22	8 27	13 28 50	8 44	69 49·5	9 15	16491	477 (79)	58·8 (58·8)	627 (24)
	24	8 17	13 33 0	8 38	69 49·0	9 7	16512	478 (78)	58·9 (58·8)	632 (24)
	29	8 9	13 33 40	9 17	69 47·9	8 43	16515	475 (77)	58·7 (58·7)	620 (24)
	31	7 41	13 32 55	8 1	69 49·0	8 41	16497	474 (76)	58·8 (58·7)	622 (24)
Aug.	4	8 17	13 31 35	9 46	69 49·9	8 56	16487	474 (75)	12 58·2 (58·7)	616 (26)
	6	8 13	13 29 49	10 1	69 50·5	9 31	16480	476 (75)	58·9 (58·7)	642 (26)
	11	8 13	13 28 10	9 11	69 50·0	8 43	16497	477 (75)	58·4 (58·7)	623 (28)
	13	11 7	13 36 3	13 28	69 48·6	11 40	16501	472 (75)	58·7 (58·7)	624 (28)
	18	8 23	13 30 40	9 11	69 50·1	8 49	16493	475 (75)	59·5 (58·7)	620 (29)
	20	7 3	13 30 52	8 3	69 47·9	7 39	16526	476 (75)	58·8 (58·7)	623 (29)
	25	8 16	13 29 2	8 38	69 49·7	9 17	16489	474 (74)	59·0 (59·0)	621 (29)
	28	8 11	13 35 27	8 33	69 49·8	9 5	16498	472 (74)	59·0 (59·0)	614 (30)
Sept.	1	8 23	13 30 15	8 43	69 50·1	9 11	16483	474 (73)	59·0 (59·2)	625 (31)
	8	8 29	13 32 25	8 51	69 50·5	9 25	16488	471 (72)	59·0 (59·1)	626 (32)
	11	8 15	13 29 51	8 36	69 49·1	13 13	16497	469 (72)	59·2 (59·1)	612 (20)
	15	8 15	13 32 11	9 3	69 49·3	9 37	16499	470 (71)	59·1 (59·0)	618 (20)
	18	8 19	13 29 40	8 39	69 48·5	9 7	16501	469 (71)	59·1 (59·0)	617 (19)
	24	8 3	13 29 31	8 23	69 49·1	8 51	16497	475 (72)	59·3 (59·0)	589 (619)
	30	8 15	13 29 25	9 1	69 50·6	9 28	16487	473 (71)	58·9 (58·9)	628 (18)
Oct.	2	13 21	13 40 57	11 42	69 51·4	13 45	16499	467 (70)	12 58·9 (58·9)	626 (18)
	6	9 17	13 29 12	14 29	69 50·1	9 57	16492	468 (70)	58·7 (58·9)	615 (17)
	10	- -	- -	9 17	69 54·5	9 59	16451	471 (69)	-	609 (17)
	14	14 13	13 44 21	14 56	69 50·3	14 39	16500	467 (69)	59·1 (58·9)	633 (16)
	16	9 13	13 32 56	11 21	69 50·9	10 59	16488	467 (69)	58·9 (58·9)	631 (16)
	21	9 11	13 32 37	9 31	69 50·1	9 57	16488	467 (68)	58·9 (58·8)	601 (16)
	24	9 11	13 31 27	9 29	69 49·1	9 49	16500	465 (68)	58·9 (58·8)	612 (16)
	27	9 27	13 31 10	9 44	69 49·7	10 21	16499	466 (67)	58·9 (58·9)	624 (15)
	29	9 57	13 32 18	9 17	69 50·1	9 45	16494	466 (66)	58·8 (58·9)	617 (15)
Nov.	4	9 17	13 30 11	9 35	69 50·2	10 3	16478	465 (65)	12 58·9 (58·9)	569 (614)
	7	9 9	13 29 27	9 27	69 50·0	9 53	16486	465 (66)	59·0 (58·9)	611 (13)
	11	9 13	13 32 11	9 31	69 49·7	9 57	16499	464 (66)	58·5 (58·9)	618 (12)
	13	9 13	13 31 10	9 30	69 50·2	11 3	16490	464 (66)	59·1 (58·9)	617 (12)
	18	10 3	13 34 55	9 23	69 49·2	9 53	16502	466 (67)	58·8 (58·9)	613 (11)
	24	11 9	13 35 21	10 3	69 48·8	11 1	16510	465 (67)	58·9 (58·9)	619 (11)
	27	9 13	13 31 22	9 31	69 49·5	9 53	16503	466 (66)	58·7 (58·9)	606 (11)
Dec.	2	9 15	13 30 33	10 35	69 49·8	9 35	16502	466 (65)	12 59·0 (58·9)	616 (11)
	4	9 13	13 30 20	9 32	69 48·8	10 11	16509	464 (65)	58·8 (58·9)	609 (11)
	9	9 25	13 30 38	11 44	69 50·2	9 42	16501	464 (64)	58·9 (58·9)	610 (11)
	11	10 7	13 31 34	9 21	69 49·8	9 55	16501	464 (64)	58·7 (58·9)	610 (10)
	15	9 11	13 31 38	9 31	69 48·8	9 57	16511	463 (63)	58·9 (58·9)	606 (10)
	18	10 3	13 32 31	9 15	69 48·9	9 49	16510	464 (63)	58·8 (58·9)	617 (10)
	21	9 59	13 32 32	9 21	69 48·4	9 47	16513	463 (62)	59·0 (59·0)	609 (09)
	24	9 11	13 30 6	12 24	69 49·5	9 49	16500	460 (62)	59·0 (59·0)	611 (09)
	31	9 53	13 30 25	12 37	69 50·5	9 35	16499	462 (61)	58·8 (58·9)	609 (09)

The hourly readings are obtained from the magnetograms, standardized as described in the foregoing, by means of a ruled glass scale. The reading for any given hour G.M.T. is that ordinate estimated to be the mean reading for 60 minutes between exact hours. The product of this ordinate and the scale value is added to the adopted base line value, and the sum so obtained is the hourly value printed in the tables.

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1936

Unifilar Magnetometer, Kew pattern .. Elliott, No. 60.
(with collimator magnets 60a and "no number", and mirror magnet, 60c).

Schuster-Smith Coil Magnetometer, Cambridge Inst.Co. No.37629.
(with Standard Cell No. L34635 and Potentiometer No. L35968)

Dip Inductor .. .. Schulze, No. 103.

Notes on Tables

The hourly values of H, D and V, obtained as described above, appear in three of the four monthly tables. The mean value for the day is computed as the mean of the twenty-four hourly values.

The letters "Q" and "D" denote the five quiet and the five most disturbed days as selected at De Bilt.

In the fourth table for each month are given:-

(a) the values and times of the daily maximum and minimum and the values of the absolute daily range for each of the elements H, D and V.

(b) the value of $HR_H + VR_V$ for each day, where R_H, R_V denote the absolute ranges for a calendar day of the horizontal and vertical components. (This measure of magnetic activity was adopted in 1932 by the International Commission for Terrestrial Magnetism and Atmospheric Electricity. In volumes of the Observatories' Year Book prior to that of 1932 the values of the quantity $R_N^2+R_W^2+R_V^2$ were used as a measure of activity).

(c) the daily magnetic character figures, assigned according to the international scheme, wherein "0", "1", "2", respectively, denote quiet, moderately disturbed, and highly disturbed conditions.

(d) the daily values of temperature in the underground magnetograph chamber.

Mean diurnal inequalities of the components N, W, V, H, D, and I on all days and on international quiet and disturbed days are given, for the months, seasons and year, in Tables 317 to 334. In calculating diurnal inequalities, in the present year the non-cyclic change* has not been eliminated. The inequalities of N, W, and I have been computed from those of H, D, and V, by means of the formulae:

*See General Introduction p. 23

$$\delta N = \cos D.\delta H - \frac{\pi}{180 \times 60} H \sin D.\delta D$$

$$\delta W = \sin D.\delta H + \frac{\pi}{180 \times 60} H \cos D.\delta D$$

$$\delta I = \frac{180 \times 60}{\pi} \cos I \left(\frac{\delta V \cos I - \delta H \sin I}{H}\right)$$

in which D and I are expressed in minutes of arc, and where H, D, and I for any given month are the respective mean values for that month as published in Table 338. The values of the range of the mean diurnal inequalities of the several elements on the three different types of day are brought together in Table 335, and the values of the non-cyclic change of H, D, and V are given as in former years in Table 336, though the inequalities, as stated above, are published without adjustment for non-cyclic change.

The results of harmonic analysis of the mean diurnal inequalities of N, W, and V for the months, seasons[1] and year are to be found in Tables 339 and 340, in which are given the values of a_n, b_n, c_n, and α_n, in the two equivalent series $\Sigma (a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$ and $\Sigma c_n \sin (15nt^\circ + \alpha_n)$. In the former series t is reckoned in hours from midnight G.M.T., whilst the published values of α_n refer to Local Mean Time. The values of the harmonic coefficients have been computed from the inequalities as given in the tables and have been corrected, where necessary, on account of the fact that the hourly values are not instantaneous but mean values. The factors by which the coefficients have to be multiplied (vide Report of the British Association, 1883, p. 98) are 1·00286 for a_1, b_1, c_1; 1·01152 for a_2, b_2, c_2; 1·02617 for a_3, b_3, c_3; and 1·04720 for a_4, b_4, c_4. The values were obtained to two decimal places and finally were rounded off to 0·1γ.

The mean values of $HR_H + VR_V$ are summarized in Table 337.

In years prior to 1934 Table 338 supplied for the separate months and year the mean values of N, W, V, T, D, I and H derived from all days. Similar data are still given but the table has been rearranged and extended to provide in addition the mean values of the primary elements H, D, and V on the internationally selected groups of quiet and disturbed days.

Tables 341 and 342 contain mean values of the magnetic elements for 1936 and recent years at a number of observatories.

Review of Results of Magnetic Observations

Mean and Extreme Values of the Magnetic Elements, 1936.- The mean values† are given below in Table I along with the corresponding values for the previous year. The values of H, D, and V have been computed from the hourly values derived from the autographic records of all days, standardized by

---

[1]The seasons are defined for this purpose as follows:- "Winter", January, February, November, December; "Equinox", March, April, September, October; "Summer", May, June, July, August.

†See remarks on p. 172

means of the absolute observations; those of N, W, I, and T have been deduced from the values of H, D, and V.

TABLE I

Year	H	D (West)		I		N	W	V	T
	γ	°	′	°	′	γ	γ	γ	γ
1935	.. 16525	13	48·8	69	47·0	16047	3945	44875	47822
1936	.. 16517	13	37·4	69	48·4	16052	3890	44908	47849

The annual rates of decrease of westerly declination for the epoch January 1st of each year during the last thirteen years are summarized as follows:-

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
Rate of decrease	12′6	12′8	13′1	12′6	12′2	11′6	11′8	12′3	11′1	11′6	11′5	11′8	11′4

The rate of decrease in the last year is almost up to the average which has been maintained since about 1921. Between 1913 and 1920 the average decrease was only 9′3.

The fall of 8γ in H between 1935 and 1936 is to be compared with an average of 10γ over the last dozen years. The slight increase of 5γ in N and the decrease of 55γ in W are similar to the changes in those components in former years. I and V continue to increase slightly.

Annual mean values derived from (a) international quiet days and (b) international disturbed days are as follows:-

(a) H, 16521γ; D, 13° 37′5; N, 16056γ; W, 3892γ; V, 44906γ
(b) H, 16510γ; D, 13° 37′6; N, 16045γ; W, 3890γ; V, 44909γ

In comparing these with the values for the years before 1934 the discontinuities introduced on January 1, 1934 in H and V and the components derived from them must be kept in mind.

The differences between the mean annual values of N, W, and V, derived from all, international quiet, and international disturbed days in the years 1926-36 inclusive, are given below, together with the mean differences for the years 1915-25. In every year of the series quoted the mean value of N and of W on quiet days exceeded the mean value on all and on disturbed days. The only years in the period 1915-25, for which either the all or the disturbed day mean value of V exceeded the quiet day value were 1917, 1919, 1921.

	Quiet day mean-All day mean			Quiet day mean-Disturbed day mean		
	N	W	V	N	W	V
	γ	γ	γ	γ	γ	γ
1936 ..	+4·0	+1·5	-1·3	+10·6	+2·0	-2·1
1935 ..	+3·3	+1·5	-1·1	+8·5	+3·5	-1·9
1934 ..	+2·3	+1·0	-0·5	+7·2	+2·3	-2·5
1933 ..	+2·9	+1·2	+0·1	+7·7	+3·4	+0·2
1932 ..	+3·5	+0·9	+1·9	+9·4	+3·9	+1·8
1931 ..	+2·5	+1·2	-0·5	+7·4	+3·1	-0·9
1930 ..	+7·0	+2·8	+1·6	+16·1	+5·6	+3·7
1929 ..	+3·8	+1·4	+0·2	+11·1	+2·8	+1·9
1928 ..	+4·5	+1·4	-1·6	+7·7	+2·6	-3·4
1927 ..	+2·9	+1·1	-0·3	+9·1	+2·4	-2·7
1926 ..	+4·8	+2·0	-0·7	+16·1	+5·7	-1·4
1915-1925	+2·7	+1·2	+0·7	+8·5	+3·3	+1·5

The resultant vector representing the average excess of the mean values on quiet days over the mean values on all days, for the years 1915-1925, has a magnitude of 3γ; its azimuth is 336°, measured from true north through east, and it is inclined at about 77° to the downwardly directed vertical. The vertical plane which contains this vector approximates very closely in azimuth to the vertical plane passing through Eskdalemuir and the pole (taken as 78° N 68° W) of the axis of magnetization of the earth. (cf. S. Chapman, "On certain average characteristics of world-wide magnetic disturbance". Lond. Proc. Roy. Soc. Series A. Vol. 115, p.242).

The extreme values of H, D, and V actually recorded during 1936 are given in Table II.

TABLE II

Component	Maximum		Minimum		Absolute Annual Range
	Value	Date, 1936	Value	Date, 1936	
		d h m		d h m	
Horizontal Force	16706γ	May 12 18 33	16254γ	June 19 8 4	452γ
Declination	14° 11′·9	Nov. 29 4 24	13° 6′·5	Oct. 16 23 3	65′·4
Vertical Force	45086γ	Oct. 16 18 49	44675γ	June 19 4 3	411γ

The range of 65′·4 in declination is equivalent to a range of 314γ in the component of force perpendicular to the magnetic meridian.

Magnetic Character of the Year .- The magnetic character figures on the scale 0, 1, 2 which were assigned at Eskdalemuir in accordance with the international scheme are summarized in Table III. This table contains also the monthly mean values of the international character figures, which for 1936 are based on the estimates made at about 50 observatories, and the mean monthly values of $HR_H + VR_V$ for all, international quiet (Q), and international disturbed (D) days.

The Eskdalemuir mean value of $HR_H + VR_V$ for the year is the highest since 1931. The mean sunspot numbers for the years 1923-36, are, in order, 5·8, 16·7, 44·3, 63·9, 69·0, 77·8, 65·0, 35·7, 21·2, 11·1, 5·7, 8·7, 36·1 and 78·2.

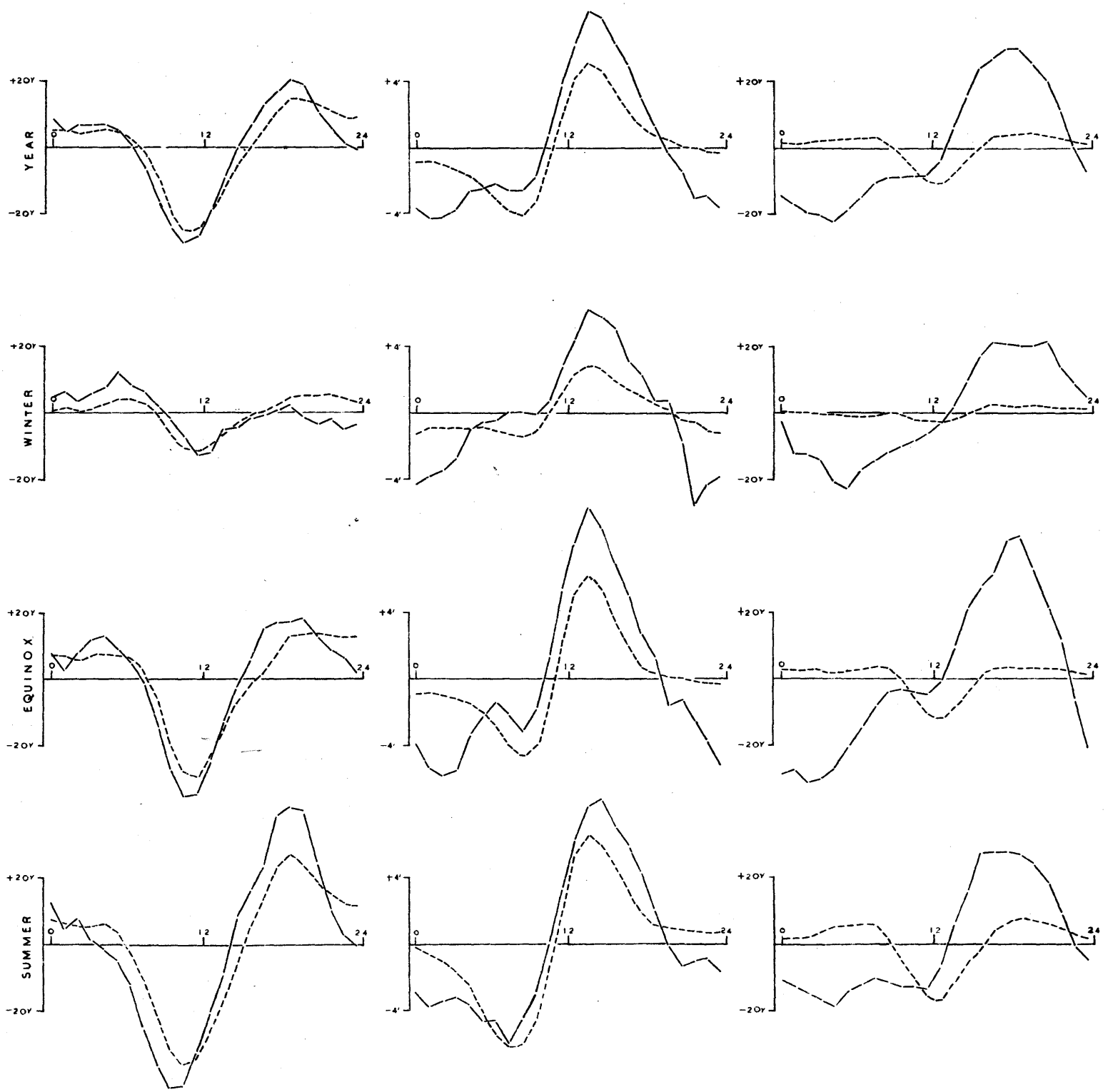
The mean values of $HR_H + VR_V$ for all days and also the international mean character figures suggest that April was the most disturbed month.

To face page 178.

DIURNAL VARIATION OF THE MAGNETIC ELEMENTS

ESKDALEMUIR 1936

QUIET DAYS---- DISTURBED DAYS——



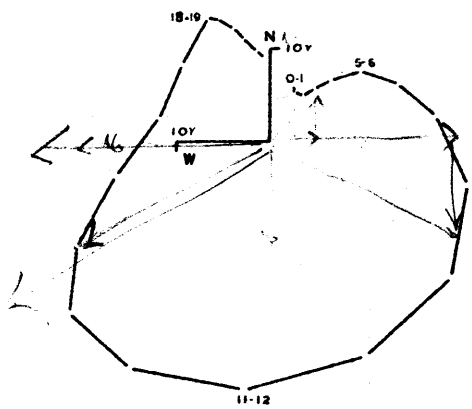
To face page 179.

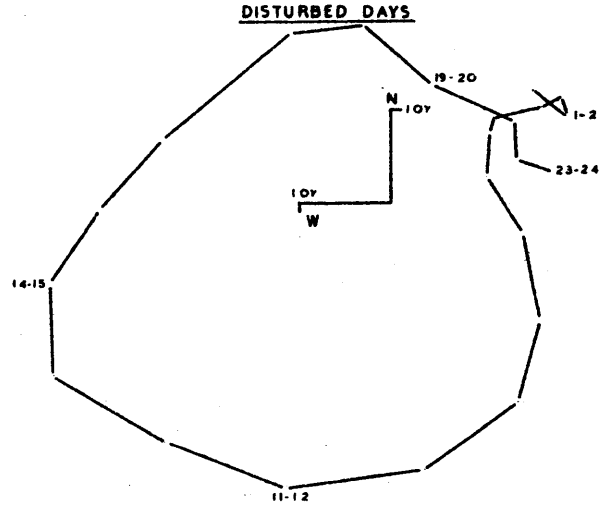
VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE ESKDALEMUIR 1936

QUIET DAYS

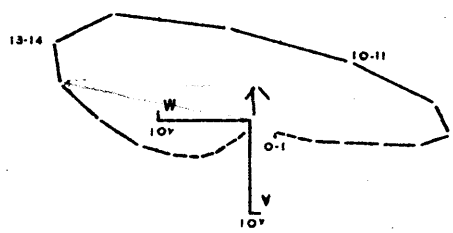
DISTURBED DAYS

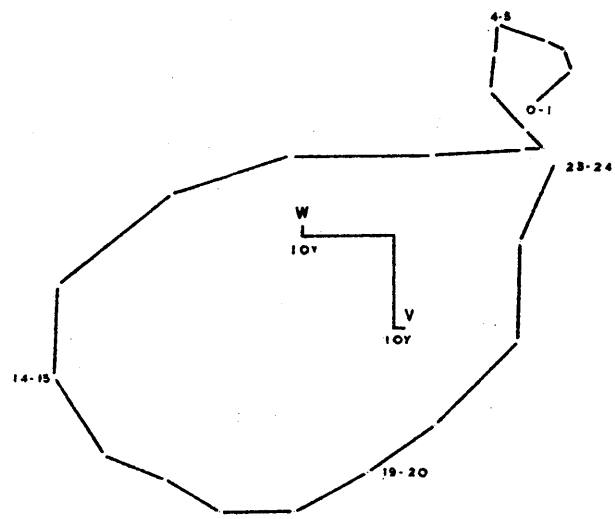
HORIZONTAL COMPONENTS



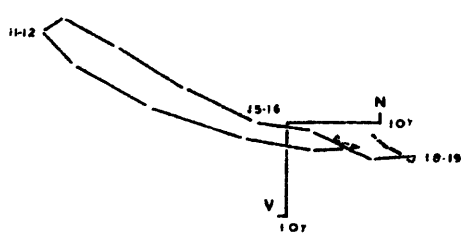


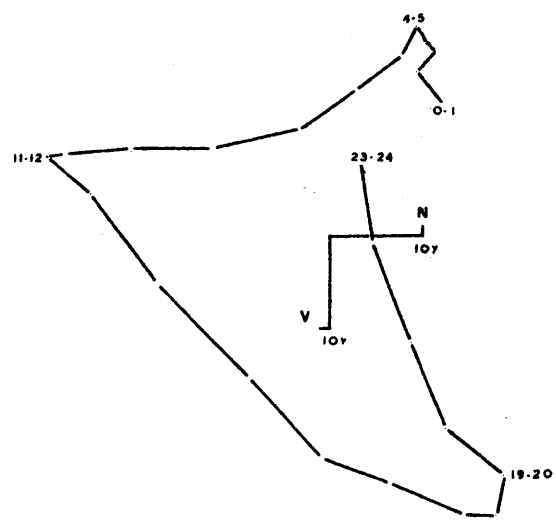
PRIME VERTICAL COMPONENTS





MERIDIAN COMPONENTS





In Table III the annual mean values are the means of the monthly values entered in the corresponding columns.

TABLE III

Month	Magnetic Character Figures Number of			Mean Character Figure		Mean Value of $\frac{HR_H + VR_V}{10{,}000\gamma 2}$*		
	"0" days	"1" days	"2" days	Eskdale-muir	Inter-national	All days	Q days	D days
1936								
January	10	20	1	·71	·69	233	86	513
February	8	19	2	·79	·78	291	116	580
March	12	17	2	·68	·64	318	148	620
April	11	13	6	·83	·82	538	229	1300
May	12	18	1	·65	·70	412	252	646
June	12	17	1	·63	·69	429	258	878
July	7	19	5	·94	·73	440	270	890
August	14	17	0	·55	·45	284	232	413
September	16	14	0	·47	·46	257	205	402
October	13	15	3	·68	·69	353	153	953
November	12	16	2	·67	·70	295	93	724
December	17	13	1	·48	·47	171	83	397
Year, 1936	144	198	24	·67	·65	335	177	698
Year, 1935	130	212	23	·71	·67	298	150	624
Year, 1934	167	178	20	·60	·56	261	138	542
Year, 1933	156	175	34	·67	·64	300	135	658
Year, 1932	126	208	32	·74	·71	327	139	701
Year, 1931	137	208	20	·68	·66	345	185	679
Year, 1930	94	230	41	·85	·83	556	195	1246
Year, 1929	118	213	34	·75	·67	-	-	-
Year, 1928	96	246	24	·80	·63	-	-	-
Year, 1927	95	231	39	·85	·63	-	-	-
Year, 1926	90	227	48	·89	·65	-	-	-
Year, 1925	145	191	29	·69	·56	-	-	-
Year, 1924	191	153	22	·54	·55	-	-	-
Year, 1923	235	111	19	·41	·48	-	-	-
Year, 1922	174	145	46	·65	·65	-	-	-

Diurnal Inequalities .- The mean diurnal inequalities for all days, and international quiet and disturbed days, for the months, seasons and the year, are given in Tables 317-334, and the corresponding inequality ranges in Table 335.

The inequalities of H, D and V for international quiet and disturbed days are shown graphically in Plate III, while in Plate IV are given vector diagrams illustrating the diurnal variation of magnetic force in the horizontal, the prime vertical and the meridian planes.

In 1936 the ranges of the annual mean inequalities of H and V were greater than in 1935 for all three classes of days; the percentage increase on all days and disturbed days is greatest in the summer and equinoctial months. In winter on all days and disturbed days there is no conspicuous difference in any element but on quiet days H and V show an appreciable increase.

*$\frac{NR_N + WR_W + VR_V}{10{,}000\gamma^2}$ in 1930 and 1931

The average values of the diurnal inequality ranges for the year and seasons for the period 1916-26 (not the values of the range of the representative mean diurnal inequalities for this period) are given below, along with the 1936 values expressed as a percentage of the average values. The units employed are 1γ for force and 1′ for declination. The mean sun spot number for 1916-26 is 46·7; that for 1936 is ~~39·4~~ 47·2. A word of explanation is necessary in the present year in view of the dropping of the practice of correcting inequalities for non-cyclic change. The mean ranges used in past years in this table as a standard of reference have been the ranges derived from the mean inequalities (Year, Winter, Equinox and Summer) of the period 1916-26. At the time when these inequalities were worked, corrections for non-cyclic change were applied, and it would thus be no longer appropriate to use the same ranges as a standard of reference. The non-cyclic corrections which were actually applied during the period 1916-26 are known and the hours at which maxima and minima actually occurred can be found by inspection. It is thus possible to determine, for each element and season, approximately the modification which now requires to be made to reverse the effect, on the range, of the originally applied adjustments for non-cyclic change. This procedure has been applied to the average ranges, as hitherto in use, of the quiet and disturbed day inequalities of the period 1916-26; the ranges so amended are quoted in the table below and will continue to be used in future years. It is unnecessary to modify the all-day inequality ranges because the all-day non-cyclic change, taken over 11 years or seasons, virtually vanishes.

The 1936 ranges are nearly all above the average. The most conspicuous exceptions are in respect of V on disturbed days where the ratio to normal ranges from 68% in Summer to 91% in Equinox. With these exceptions the ranges are the highest since the year 1930.

		All days				International quiet days						International disturbed days				
		N	W	V	H	D	N	W	V	H	D	N	W	V	H	D
Year	1916-26	36·6	38·7	21·9	35·6	8·26	33·7	37·5	12·0	33·4	8·10	46·1	54·4	64·5	47·5	11·28
	1936 %	118	118	110	120	118	118	113	126	122	144	107	103	81	103	111
Winter	1916-26	22·1	27·7	15·9	18·3	6·31	18·4	19·7	5·0	15·3	4·48	31·5	51·1	53·9	28·9	10·82
	1936 %	99	107	98	102	106	103	97	114	114	96	93	107	83	86	110
Equinox	1916-26	41·5	44·2	27·2	39·0	9·57	39·0	42·3	13·0	38·4	9·10	53·9	65·6	81·0	53·3	13·82
	1936 %	116	121	92	117	122	113	114	122	112	118	110	107	91	101	116
Summer	1916-26	54·0	55·6	26·5	56·1	11·33	46·6	53·7	19·9	47·7	11·18	75·4	67·2	68·1	82·6	12·66
	1936 %	122	112	108	125	113	128	111	123	132	113	108	114	68	102	117

Daily Range.-The values of mean absolute daily range for the months and seasons of the year, together with the corresponding means for 1916-26 are given in Table IV; the ranges are also expressed as percentages of the mean absolute daily range for the year. The declination ranges, measured in minutes of arc, have been multiplied by 4·80 to convert them to units of force of the component perpendicular to the magnetic meridian.

TABLE IV - ABSOLUTE DAILY RANGE. MEAN MONTHLY VALUES

	Mean Absolute Daily Range						Mean Daily Range expressed as Percentage of Yearly mean					
	1936			Mean 1916-26			1936			Mean 1916-26		
	H	D	V	N	W	V	H	D	V	N	W	V
	γ	γ	γ	γ	γ	γ	%	%	%	%	%	%
January ..	56	71	32	69	73	39	68	90	71	80	88	81
February ..	67	78	41	69	76	38	81	98	91	80	92	80
March	67	84	47	95	94	57	81	106	105	110	113	119
April	106	106	82	98	88	54	129	134	182	114	106	113
May	111	86	52	102	88	59	135	108	116	119	106	123
June	122	84	52	92	85	46	148	106	116	107	102	96
July	115	85	56	86	82	43	139	107	125	100	99	90
August ..	78	73	35	98	88	55	94	92	78	114	106	115
September ..	75	72	30	100	92	63	91	91	67	116	111	131
October ..	79	84	50	94	93	57	96	106	111	109	112	119
November ..	72	77	39	62	66	34	87	97	87	72	80	71
December ..	42	50	23	60	64	33	51	63	51	70	77	69
Winter ..	59	69	34	65	70	36	71	87	75	76	84	75
Equinox ..	82	87	52	97	92	58	99	110	116	113	111	121
Summer ..	107	82	49	95	86	51	130	103	109	110	104	106
Year	83	79	45	86	83	48	-	-	-	-	-	-

The annual and seasonal mean daily ranges of H, D and V are mostly rather greater than the corresponding means for 1935, but it is chiefly from April to August that the difference is important. The mean values for the year are the greatest since 1930.

The frequency distribution of absolute daily ranges recorded in 1936 is shown in Table V, which also contains the percentage distribution for the periods 1916-1926.

TABLE V - FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE

Range	Number of Cases 1936			Percentage Distribution					
				H	N	D	W	V	
γ	H	D	V	1936	1916-26	1936	1916-26	1936	1916-26
0-9	0	0	12	0·0	0·0	0·0	0·0	3·3	6·3
10-19	1	1	54	0·3	1·7	0·3	0·9	14·8	20·2
20-29	18	12	101	4·9	4·9	3·3	4·5	27·6	24·8
30-39	36	26	67	9·8	7·8	7·1	7·5	18·3	14·3
40-49	24	23	26	6·6	9·9	6·3	10·6	7·1	8·1
50-59	30	42	35	8·2	12·2	11·5	12·0	9·6	4·8
60-69	65	49	15	17·8	12·9	13·4	13·1	4·1	4·2
70-79	44	69	12	12·0	10·3	18·9	12·4	3·3	3·1
80-89	35	47	7	9·6	8·1	12·8	8·6	1·9	2·3
90-99	23	26	8	6·3	6·5	7·1	7·5	2·2	2·1
100-109	18	15	8	4·8	5·3	4·1	4·7	2·2	1·1
110-119	16	12	4	4·4	4·0	3·3	3·5	1·1	1·2
120-129	10	11	2	2·7	3·5	3·0	2·7	0·5	0·8
130-139	8	6	0	2·2	2·6	1·6	2·2	1·6	0·8
140-149	5	8	2	1·4	1·7	2·2	2·2	0·5	0·3
150-159	8	5	0	2·2	1·3	1·4	1·2	0·0	0·7
160-169	4	5	3	1·1	1·2	1·4	0·9	0·8	0·5
170-179	5	1	1	1·4	0·8	0·3	1·0	0·3	0·4
180-189	2	1	3	0·5	0·6	0·3	0·7	0·8	0·5
190-199	4	1	0	1·1	0·5	0·3	0·6	0·0	0·3
200+	10	6	6	2·7	4·4	1·6	3·1	1·6	3·1
Days Omitted	0	0	0	....	...	...	...	...	...

TABLE VI PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR, 1936

Where the beginning of a disturbance has been marked by a "sudden commencement," the serial number is followed by an asterisk (*), and the time entered in the second column is that of the sudden commencement, estimated to the nearest minute. In other cases, the exact hour nearest the time at which disturbance may be regarded as having begun is entered in the second column. To the tabulated values of maximum and minimum the following have to be added:- H, 16000γ; D, 13°; V, 44000γ.

No.	From	To	Horizontal Force					Declination					Vertical Force				
			Max.	Time	Min.	Time	Range	Max.	Time	Min.	Time	Range	Max.	Time	Min.	Time	Range
	d. h. m.	d. h.	γ	d. h. m.	γ	d. h. m.	γ	′	d. h. m.	′	d. h. m.	′	γ	d. h. m.	γ	d. h. m.	γ
1	Jan. 24 16	Jan. 26 23	574	26 21 13	433	24 22 11	141	60·5	24 19 46	15·5	26 21 12	45·0	1053	24 21 3	870	26 9 0	183
2*	Feb. 16 10 56	Feb. 20 6	609	17 18 26	405	19 21 33	204	55·6	17 13 55	19·7	19 20 52	35·9	966	19 20 22	860	20 1 56	106
3	Feb. 21 12	Feb. 24 4	580	22 21 22	464	22 14 38	116	52·1	21 13 53	24·2	23 23 34	27·9	946	21 18 6	868	22 4 42	78
4	Mar. 19 19	Mar. 28 6	592	24 20 39	418	21 10 48	174	57·6	24 20 48	21·2	25 23 34	36·4	966	23 18 43	816	25 2 43	150
5	Apr. 1 6	Apr. 4 3	564	3 18 20	464	3 20 22	100	50·2	1 14 26	14·2	2 21 41	36·0	981	3 19 11	863	4 0 1	118
6	Apr. 12 10	Apr. 16 6	581	15 16 32	449	15 11 53	132	52·5	15 16 33	23·2	16 1 55	29·3	966	15 16 53	853	16 1 19	113
7	Apr. 17 10	Apr. 24 8	629	23 16 43	357	21 23 53	272	57·2	21 22 31	12·3	18 2 38	44·9	1001	22 14 40	723	22 0 20	278
8*	May 10 8 4	May 13 11	706	12 18 33	446	12 11 59	260	54·3	11 14 26	27·3	12 7 58	27·0	955	10 20 12	849	12 22 5	106
9	May 14 10	May 21 24	619	18 19 28	425	18 7 53	194	52·6	16 13 18	21·5	18 19 27	31·1	961	16 18 23	833	18 23 20	128
10*	May 29 8 48	June 4 2	648	2 17 9	451	29 9 48	197	49·6	1 11 29	22·8	1 21 0	28·8	950	2 20 0	843	31 1 16	107
11	June 8 12	June 17 4	636	9 17 50	411	9 16 14	225	54·4	9 16 3	19·5	8 22 41	34·9	945	{9 16 10 / 10 19 4}	843	15 3 23	102
12*	June 18 9 41	June 20 20	622	19 15 4	254	19 8 4	368	60·1	19 3 50	25·3	19 0 18	34·8	1022	19 14 5	675	19 4 3	347
13	July 2 1	July 3 21	645	2 19 7	426	2 10 40	219	54·8	2 14 50	18·2	2 7 47	36·6	1053	2 15 53	836	3 1 12	217
14*	July 5 2 30	July 7 24	599	5 16 59	417	7 9 48	182	51·4	6 15 3	25·4	6 21 48	26·0	976	6 15 36	852	7 1 33	124
15	July 10 4	July 13 9	667	11 15 57	403	11 8 54	264	55·2	11 16 26	21·5	11 0 30	33·7	966	10 17 16	829	11 2 23	137
16*	July 29 6 9	July 30 8	647	29 14 28	455	29 16 19	192	57·4	29 16 16	28·1	30 7 47	29·3	995	29 18 28	869	30 3 24	126
17	Sept. 26 0	Sept. 27 17	570	26 0 38	451	{26 11 32 / 27 11 3}	119	52·7	26 14 8	21·6	26 22 42	31·1	999	26 17 30	893	26 4 44	106
18	Oct. 7 20	Oct. 10 20	577	10 5 5	420	10 9 11	157	47·1	10 13 36	16·9	10 3 4	30·2	965	10 16 10	844	10 4 22	121
19*	Oct. 16 15 1	Oct. 18 16	609	16 19 22	392	17 1 4	217	53·8	17 5 0	6·5	16 23 3	47·3	1086	16 18 49	779	17 1 52	307
20	Oct. 23 12	Oct. 25 16	546	24 23 4	432	24 18 10	114	49·7	24 17 42	19·4	23 22 19	30·3	1069	24 17 50	909	24 12 10	160
21*	Nov. 2 14 21	Nov. 5 13	585	3 20 9	364	3 20 38	221	51·7	3 20 37	9·4	3 20 9	42·3	996	3 18 13	854	3 20 37	142
22*	Nov. 10 16 58	Nov. 12 6	563	11 21 22	405	11 21 37	158	45·2	11 16 37	12·0	11 21 47	33·2	1005	11 17 21	896	12 4 16	109
23*	Nov. 28 23 37	Nov. 29 22	610	28 23 40	311	29 9 24	299	71·9	29 4 24	15·6	29 0 19	56·3	951	29 20 54	747	29 4 30	204
24*	Dec. 27 3 29	Dec. 28 18	558	27 3 32	433	28 5 51	125	46·8	28 5 56	16·7	27 21 14	30·1	1015	28 14 10	835	28 5 30	180

The intervals of maximum frequency in 1936 lie between 60 and 69γ for H, 70-79γ for D, and 20-29γ for V. For H and D these intervals are both 10γ higher than in 1935.

On 29 days in 1936 the absolute range in either H or D was 160γ or more. The numbers of such days for N and W in the years 1915 to 1931 and for H and D from 1932 to 1936 are shown in the accompanying table.

Year 1900+	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
No. of days	30	47	35	56	58	36	27	32	11	10	24	46	41	48	50	88	17	31	17	13	22	29

The number of days in each year from 1926 on which the range in each of H, D and V was 200γ or more has been as follows:-

Year 1900+	26	27	28	29	30	31	32	33	34	35	36
No. of days	18	7	5	9	16	1	2	1	2	0	3

Irregular changes in Declination.- In connexion with the supply of declination data to mine surveyors it has been the practice to classify the hourly periods between the exact hours G.M.T. into four groups according to the range in declination within each period. The range limits, which were adopted in consultation with representative mine surveyors, are:- less than 5′, between 5′ and 15′, between 15′ and 30′, and greater than 30′. This method of classification has been applied to the declination records obtained in the year 1936, and the actual frequencies of occurrence of hourly ranges in the last three of the four divisions mentioned are set out below. A range of 30′ is equivalent to a change of 144γ in the component of horizontal force perpendicular to the magnetic meridian.

Number of cases per month

Range Interval	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
5′ to 15′	67	100	76	100	77	64	78	21	26	68	78	39	794
15′ to 30′	5	5	5	18	2	9	2	1	0	5	4	1	57
> 30′	0	0	0	1	0	0	0	0	0	2	2	0	5

Hourly Distribution. 1936
Hour ending at (G.M.T.)

Range Interval	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
5′ to 15′	47	49	37	33	23	20	22	23	15	15	22	46	33	22	19	29	27	32	29	50	50	60	46	45
15′ to 30′	2	4	0	2	3	2	1	1	1	1	0	0	0	0	1	0	2	1	5	4	8	7	8	4
> 30′	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0

On the average quiet day the most conspicuous change in declination is that from the most easterly value at about 8h or 9h to the most westerly value at about 13h or 14h, the rate of change being greatest between 10h and 12h. The hourly range due to the regular diurnal variation at this time of day is less than 5′, but doubtless it happens at times that the occurrence of slight disturbance results in the hourly range exceeding 5′, whereas the occurrence of the same degree of irregularity at another hour of the day would not cause the hourly range to exceed 5′. Thus the figures given above for the range interval 5′ -15′ tend to exaggerate somewhat the incidence of irregular changes between 9h and 13h. The hourly distributions of the frequency of occurrence of ranges between 5′ and 15′ and between 15′ and 30′ exhibit the well known tendency for irregular changes to occur predominantly during the "night" hours - at least in Europe.

Principal Magnetic Disturbances during 1936.- Particulars of the principal magnetic disturbances recorded during the year are given in Table VI. Corresponding information for the same disturbances is given in the Lerwick Section. The magnetograms for the most highly disturbed days are not reproduced in this volume, but photographic copies may be obtained on application to the Director, Meteorological Office, Air Ministry, Kingsway,London,W.C.2.

Remarks on Magnetic and Allied Phenomena, 1936

GENERAL.- As a whole 1936 was more disturbed than 1935 particularly in the early summer.

January was quiet; disturbance was more frequent in February and March, and April had greater mean ranges in D and V than any other month. June had the greatest range in H and July - on the basis of magnetic character figures - was the most disturbed. August and September were quiet and after a secondary maximum of activity December was the quietest month of the year.

In the notes which follow the details of sunspots are extracted from an article in the "Observatory" for February 1937. Areas are given in millionths of the sun's disc and the abbreviation C.M.P. is used for Central Meridian Passage.

JANUARY.- (Average Character Figure 0·71)

The first week was very quiet and conditions were only slightly disturbed on 8th and 9th but larger oscillations occurred late on 10th, a bay of 22' in D being associated with a peak of 80γ in H. Slight activity continued, although 15th and 16th were quiet, until a storm developed on 24th.

V rose unsteadily through 173γ to its maximum at 21h 3m; H fluctuated rapidly below its normal value and D, after a maximum at 19h 40m, decreased unsteadily through 40·1' to its minimum at 22h 16m. The only other noteworthy features of the storm commenced just before 26d 21h, and H fell through 41γ and recovered through 99γ between 21h 7m and 21h 13m. Meanwhile D fell steadily by 27' reaching a minimum at 21h 12m. Both elements recovered sharply. Ranges for the storm were H 141γ, D 45·0' and V 183γ.

Only slight disturbance was experienced during the remainder of the month.

FEBRUARY.- (Average Character Figure 0·79)

Conditions were very quiet until a small movement resembling a sudden commencement (-2γ, + 10γ in H) at 2d 15h 21m preceded minor activity. From 5th to 8th were quiet and, after another period of slight disturbance, 12th and 13th were very quiet.

A large sunspot had C.M.P. at 14·0d and at 14d 9h 22m a small oscillatory movement (+7γ, -11γ in H) initiated a small disturbance which did not reach storm range until after a sudden commencement (+9γ, -20γ in H, + 1', - 4' in D) at 16d 10h 56m. H fell sharply but recovered before 12h after which H and D fluctuated rapidly through 114γ and 24' respectively while V

rose slowly and unsteadily. The morning of 17th was less disturbed but there were further large fluctuations in H and D during the late evening. Ranges for the storm were H 191γ, D 28·9' and V 91γ.

After a quiet day another storm commenced at about 19d 10h. Ranges increased towards evening but rapid recoveries followed and activity diminished, to be renewed again around midnight for several succeeding nights. Ranges for the disturbance were H 175γ, D 32·4' and V 106γ. Conditions did not become quiet until 28d 0h, but the next two days were very quiet.

MARCH.- (Average Character Figure 0·68)

Very quiet conditions continued for the first few days and the next three were only slightly less quiet. Minor activity was experienced on 8th and 9th, after which conditions were again quiet until 14th, especially from 11d 0h to 12d 8h.

A further period of minor activity followed, and, after a sunspot had C.M.P. at 16·6d, disturbance increased on 18th. From 19th to 27th were continuously disturbed, the largest oscillations occurring late on 24th, H falling 127γ in 13 minutes from a maximum at 20h 39m after an equally rapid rise. Between 24d 20h and 25d 3h the ranges were H 144γ, D 33·1', V 107γ. There were similar movements, though of slightly smaller range, on the next three nights and 28th was quieter.

From 29d 7h to the end of the month was quiet.

APRIL.- (Average Character Figure 0·83)

Disturbance commenced at 1d 6h, V varying through 105γ on 1st but H and D had only moderate ranges. The daylight hours of 2nd were quiet and during the next night only D showed any pronounced disturbance with a bay, 27' deep, between 21h and 23h. Late on the 3rd there was further activity especially in D and V. A large sunspot had C.M.P. at March 30·5d. Conditions were mainly quiet until the 12th. Ranges increased on 12th to 14th, and 15d 15h to 16d 13h was the most disturbed period of this storm for which ranges were H 132γ, D 29·3' and V 113γ.

After a quiet day a prolonged and violent disturbance began at about 17d 11h. The greatest individual movements occurred on the night of 22d, H reaching a maximum at 19h 35m, then fluctuating violently, rapid falls being followed by slower irregular recoveries, one fall of 202γ occupying only 8 minutes; a minimum was reached at 23h 53m after a slightly less remarkable fall, and further fluctuations of decreasing amplitude followed. The D variations were similar to those of H though in the opposite direction. V was rather above normal from 15h until its maximum at 19h 14m, then fell irregularly to a sharp minimum at 22h 37m. After a temporary recovery a further fall occurred, the total range for the night being 234γ.

A large sunspot (area 300) had C.M.P. at 21·7d.

Less disturbance occurred on 24th and on 25th a small peak in H and an associated bay in D at 21h were the only evidences of activity. Conditions became almost quiet for the remainder of the month.

MAY.- (Average Character Figure 0·65)

Only slight activity was experienced on the first 3 days and, after a more disturbed day, 5th to 10th were quiet.

Prolonged disturbance followed, possibly associated with two sunspots which had C.M.P. at 13·8d and 17·3d, the latter having an area of 550. Disturbance commenced with a small oscillatory movement at 10d 8h 4m, but, except for fluctuations in H through 111γ between 1h and 20h, ranges were not large. On 11th ranges were less but small and rapid oscillations continued, especially from 8 to 20h. The variations in H from 12d 10h to 13d 1h resulted from the super-position on the diurnal change of regular variations having a mean amplitude of approximately 40γ and period of 50 minutes. The chief exception to the regularity was a rapid rise of 125γ to a maximum at 18h 33m with an immediate recovery of 163γ in 23 minutes. V was very irregular: after a maximum at 18h 24m a sharp fall preceded a slow recovery and a further unsteady fall from 21h 5m to a minimum at 22h 5m was followed by another short rise; a further drop just before 24h preceded a steady rise. The 13th was almost quiet but the next 7 days were continuously disturbed with ranges of H 281γ, D 32·8' and V 128γ, but there were no noteworthy movements. From 23rd to 28th was quiet, especially from 23d 23h to 25d 17h.

A small oscillatory movement (+8γ, -9γ in H, + 2·3', - 2·7' in D) at 29d 8h 48m initiated only a small disturbance, H varying irregularly through 126γ, and conditions were again quiet early on 30th. H and D both rose suddenly at 30d 17h 25m, through 60γ and 3·1' respectively, the associated drop in V being only 6γ; another brief period of minor disturbance followed and from 31d 10h to the end of the month was quiet.

JUNE.- (Average Character Figure 0·63)

A large sudden commencement (-8γ, + 114γ in H, -1·0', + 6·6' in D, -6γ in V) at 1d 16h 44m initiated a small disturbance featured by a bay of 18' in D centred at 1d 21h and rapid oscillations of H, with a total range of 190γ, between 11 and 20h on 2nd. Minor activity was experienced during the afternoon and evening of 3rd and 4th, and conditions then became quiet until 8th, especially from 5d 15h to 6d 10h.

After irregular movements commencing at 8d 10h disturbance intensified at 9d 4h when rapid oscillations commenced increasing in range until 19h, after which time activity decreased. The most remarkable movements were a rise of D through 18·1' in 3 minutes shortly after 6h and a fall of H through 172γ in 11 minutes just after 16h. Disturbance diminished further on 11th and 12th but activity was renewed from 13th to 16th though ranges were never large. A sunspot, area 100, had C.M.P. at 10·9d.

A quieter period followed but after a sudden commencement at 18d 9h 41m the greatest disturbance of the year began. Activity was at first on a small scale but increased during the evening. Early on 19th H began to fall rapid drops being followed by only partial recoveries. After a sharp bay 170γ deep just before 5h, oscillations decreased in range but the fall continued, the lowest value of the year being reached at 8h 4m. A maximum was reached, after a more steady rise, at 15h 4m, the range being 368γ. D showed similar violent fluctuations but no continued rise or fall, the range being

only 34·8'. The V variation was at first parallel to that of H but after a minimum - also the lowest value of the year - at 4h 3m, an immediate rise occured and a succession of peaks followed. A maximum was attained at 14h 5m, the range being 347γ. This disturbance was probably associated with a large sunspot, area 550 and C.M.P. 22·0d.

Small, rapid oscillations were the only signs of activity during the next 24 hours and conditions then became quiet, particularly from 22d 21h to 24d 6h. Slight disturbance was experienced from 13h to 22h on 24th, and, after another quiet period, a small movement of sudden commencement type (-2γ, +8γ in H, -0·5', + 1·2' in D) at 26d 3h 6m preceded a temporary increase in activity.

The last four days of the month were quiet.

JULY.- (Average Character Figure 0·94)

1st was quiet but small rapid fluctuations occurred in the early hours of 2nd and activity increased after 10h. H, V and D were all above normal between 14h and 15h 30m, H then falling sharply while V continued to rise reaching a maximum at 15h 53m; H attained its maximum in a peak of 107γ at 19h 7m, D showing a corresponding bay. After six quieter hours V suddenly dropped 73γ to a minimum at 3d 1h 12m 217γ below the afternoon maximum and a slow rise followed. The range of H was 219γ and that of D 36·6'.

From 3d 2h to 5d 2h was quiet, especially from 3d 21h to 4d 9h. At 5d 2h 30m a sudden commencement (-4γ, + 49γ in H, -0·5',+3·0' in D,-5γ in V) preceded a moderate disturbance, the early afternoon of 6th having the greatest ranges. 7th, 8th and 9th experienced progressively less activity but conditions did not become quiet and disturbance was renewed on 10th.

H was unsteady at a rather high value from 14 to 18h, then a short drop preceded a peak of 112γ and after a further fall a minimum was reached at 22h 6m. The V trace was rather irregular. Disturbance was renewed with some very rapid oscillations between 14 and 20h on 11th, H having a high peak at 15h 57m. Ranges for this storm were H 264 γ, D 33·7' and V 137γ. It may have been associated with a small sunspot having C.M.P. at 7·0d.

Conditions were very quiet from 13d 19h to 14d 12h and remained quiet until 16th. Slight activity was then experienced which lasted until about 18d 14h, and, except for 12-18h on 20th, the next seven days were quiet, especially from 22d 22h to 24d 14h.

On the evening of 25th minor disturbance occurred which was renewed on 27th and 28th. After ten very quiet hours another storm commenced abruptly at 29d 6h 5m but lasted for only 26 hours with ranges of 192γ in H, 29·3' in D and 126γ in V. A sunspot (area 230) had C.M.P. at 31·7d.

From 30d 8h to 31d 10h were quiet and only very slight activity was experienced after 12h on 31st.

AUGUST.- (Average Character Figure 0·55)

There was only very slight disturbance on the first three days, and con-

ditions became very quiet from 4d 5h to 5d 1h. After further minor activity on 5th and 6th, 7th was also very quiet.

The only notable movement in the period of minor disturbance which followed on the next three days was a sharp fall of D through 18' to a minimum at 18d 20h 48m. A long succession of quiet days followed but no period was outstanding.

H, V and D all began to fall slowly and unsteadily at about 29d 23h but, after minima between 2h 30m and 4h 0m, conditions were again quiet until a sudden commencement (-5γ, + 60γ in H; -5', + 2·8' in D) occurred at 30d 17h 47m. Small humps in H and V and one bay in D were the only signs of activity during the next few hours and conditions did not become really disturbed. A group of sunspots had C.M.P. at 30·8d.

SEPTEMBER.- (Average Character Figure 0·47)

The month opened with a quiet period, the quietest time being from 6d 5h to 8d 6h. There was slight activity from 11d 9h to 11d 17h and an isolated peak in H of 85γ just before 11d 24h, but conditions then became very quiet except for some small rapid oscillations between 12d 20h 30m and 22h.

A small movement of sudden commencement type occurred at 17d 21h 51m but only very slight activity resulted. There was further slight activity from 22d 17h to 23d 17h but otherwise conditions were quiet until 26d 0h, when disturbance began rather abruptly, H rising as D and V fell. Individual movements were not large, but ranges during the next 24 hours were H 119γ, D 31·1' and V 106γ.

Conditions became suddenly quiet just before 27d 0h and only very slight activity was experienced during the remainder of the month.

OCTOBER.- (Average Character Figure 0·68)

The first few days were quiet, especially from 2d 19h to 4d 20h but slight disturbance commenced at about 5d 12h. The afternoon of 6th was quiet but the next four days were increasingly disturbed, ranges of 157γ in H, 30·2' in D and 121γ in V being recorded between 3h and 16h on 10th. Two large groups of sunspots had C.M.P. at 3·9d and 6·3d.

A sudden commencement (-7γ, +15γ in H; -1·0', +1·9' in D) at 11d 13h 31m preceded only minor irregularities of the traces, and although there was another small oscillatory movement at 13d 5h 53m conditions remained quiet until 15d 12h. After further minor activity another sudden commencement (-11γ, + 32γ in H; -1·5', + 3·4' in D) occurred at 16d 15h 1m. After an unsteady fall H rose in two leaps through 158γ in nine minutes to a maximum at 19h 22m, then fell equally sharply through 190γ. Further large fluctuations occurred, a minimum being reached at 3d 1h 4m. The maximum for the year in V at 18h 49m was followed by a succession of rapid movements, one fall of 173γ occupying only ten minutes. The disturbance in D was equally violent and, except for isolated peaks it was considerably below normal from 16d 18h to 17d 4h, especially between two bays centred at 23h 3m and 1h 48m. After 17d 6h only small, very rapid oscillations occurred which were also present during the daylight hours of 18th, the nights being very quiet. Total ranges

for this storm were H 217γ, D 47·3' and V 307γ. It was possibly associated with a sunspot of area 200 which had C.M.P. at 16·8d.

Minor activity was experienced on 19th and 20th, conditions then becoming very quiet from 20d 19h to 23d 7h. In the disturbed period which followed the only outstanding feature was the rapid rise of V to a high maximum at 24d 17h 15m. Conditions were again quiet from 25d 16h until 31st, especially between 26d 15h and 29d 3h. Activity began rather abruptly just after 31d 1h but lasted for only a few hours and was only of moderate intensity.

NOVEMBER.- (Average Character Figure 0·67)

Conditions were quiet until a sudden commencement at 2d 14h 21m. H rose 11γ, fell 16γ, rose 26γ and then, less rapidly 19γ, all in five minutes. The corresponding movements in D were +0·3', -3·3', +4·5' and +3·2', and V showed a nett fall of 4γ. Disturbance was only moderate until just before 3d 20h: H rose sharply to a maximum at 20h 9m, then fell in three stages through 221γ to a minimum at 20h 38m. An equally rapid return to normal followed but subsequent disturbance was slight. D varied similarly, though in the reverse direction, with a range of 42·3'. V did not rise initially but fell 140γ between 20h 0m and 20h 37m, a rapid recovery following. There was slight activity around midnight on the next five nights but otherwise conditions were quiet until the afternoon of 10th.

A rapid oscillatory movement occurred at 10d 16h 58m but no serious disturbance resulted until the night 11th to 12th, during which all three elements fluctuated rapidly, H through 158γ, D 33·2' and V 109γ.

From 12d 3h to 15d 1h was very quiet, especially between 12d 21h and 13d 23h. From 15th to 20th continuous minor activity was experienced but movements were never large. Conditions were very quiet from 22d 0h to 26d 9h, ranges for the period being only H 32γ, D 7·4' and V 16γ, and from 26d 21h to 28d 13h.

A sudden commencement (-12γ, +94γ in H, -1·7', +6·5' in D, -10γ in V) at 28d 23h 37m initiated a short period of severe disturbance, characterised by large and rapid fluctuations. Just after 4h H and V fell sharply: H rose at 4h 9m in a succession of peaks but V recovered only slowly from a minimum at 4h 30m. D reached its maximum for the year in a sharp peak at 4h 24m, then quickly fell to below normal. Just before 6h H rose 118γ and fell 158γ within five minutes and a minimum was reached at 9h 24m after a fall of 171γ in three minutes, the recovery through 188γ being similarly violent. Another very rapid oscillation occurred at 11h 49m the movement -98γ, +199γ, -89γ occupying approximately 4 minutes. V and D showed similar fluctuations of smaller range. The ranges for the storm were H 299γ, D 56·3' and V 204γ.

At this time there were two large groups of sunspots near the sun's central meridian, of latitude +17° and -11°. The largest spot of the former had an area of 1200 and crossed the central meridian at 29·3d.

DECEMBER.- (Average Character Figure 0·48)

Only slight activity was experienced on the first 6 days, although conditions were never very quiet. Between 18h and 21h on 7th H oscillated

through 89γ and D through 15·3'. A small bay in D, associated with slight fluctuations in H, occurred 24 hours later and conditions then became very quiet until, at 12d 12h 34m, minor activity commenced rather suddenly and continued for two days. A quiet period followed which lasted until 21st, the quietest times being 15d 14h to 16d 21h and 18d 21h to 20d 6h. After another temporary renewal of slight disturbance conditions were again very quiet from 24d 5h to 27d 3h.

A sudden commencement (-2γ, +29γ in H, -1·0', +2·9' in D) at 27d 3h 29m initiated a short disturbance in which the curves, particularly those of D and V, were rather irregular but showed no prominent individual movements. Ranges for 27th to 28th were H 125γ, D 30·1' and V 180γ. These were also the ranges for the month.

From 28d 18h to the end of the year was quiet.

167 ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres — JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	958·2	958·2	958·7	958·9	959·0	959·1	958·8	958·8	959·0	958·6	957·8	957·8	957·2	956·9	957·1	957·0	957·2	957·I	957·2	957·5	957·9	957·9	957·9	957·9	958·0
2	957·2	957·4	957·3	957·3	957·2	957·1	957·4	957·7	958·2	958·6	958·8	958·8	959·0	959·1	959·2	959·8	960·3	960·5	960·9	961·3	961·7	961·8	962·0	962·1	959·1
3	962·1	962·4	962·8	962·9	963·0	963·0	963·3	963·9	964·4	964·7	965·5	965·4	965·6	966·1	966·8	967·8	968·5	969·2	970·2	971·1	971·8	972·4	972·8	973·5	966·4
4	973·8	974·8	975·0	975·4	975·9	976·4	977·0	977·8	978·9	979·8	980·2	980·2	980·6	981·0	981·4	981·8	981·8	982·0	982·1	982·2	982·1	982·1	982·0	981·8	979·2
5	981·2	980·3	979·6	978·3	977·1	976·2	974·9	973·6	973·0	972·2	971·5	970·8	970·1	969·6	969·0	967·7	966·7	965·4	964·2	963·2	962·2	961·4	960·6	960·0	970·8
6	959·6	958·9	958·0	957·5	956·8	956·7	956·8	956·9	957·1	957·3	957·3	956·9	956·8	956·1	956·0	956·4	956·7	956·8	957·0	957·1	957·3	957·6	958·1	958·6	957·3
7	959·1	959·2	959·5	959·8	959·9	960·2	960·7	961·4	962·1	962·5	962·7	963·0	963·1	963·2	963·6	964·0	964·4	965·0	965·3	965·4	965·4	965·5	966·1	966·2	962·6
8	966·7	967·0	967·3	967·1	967·0	966·9	966·9	966·9	966·8	966·5	966·2	965·2	964·1	962·8	962·0	961·1	960·5	960·2	960·1	960·4	960·7	961·3	961·5	961·8	964·1
9	961·9	962·3	962·5	962·9	963·4	963·3	963·3	963·1	962·7	962·3	961·8	961·3	959·8	957·4	954·8	951·3	948·6	943·3	940·0	936·5	934·5	937·0	940·2	942·3	954·3
10	943·4	943·7	944·6	946·4	947·4	948·9	949·7	951·0	951·9	952·5	952·6	952·6	954·0	955·6	957·2	958·4	959·5	960·9	961·9	962·7	963·5	964·1	965·0	965·6	954·2
11	967·1	968·3	970·6	972·1	973·7	975·1	976·6	978·5	980·3	981·9	983·6	984·4	985·3	985·6	986·4	986·9	987·6	988·6	988·8	988·8	989·0	990·0	991·6	991·3	981·6
12	991·2	991·6	991·8	991·8	991·8	992·2	992·5	992·5	992·6	993·1	993·4	993·2	992·7	992·4	992·4	992·1	992·2	991·8	991·5	991·2	990·8	990·6	990·4	989·9	991·9
13	990·0	989·9	989·3	989·1	988·9	988·8	988·7	989·0	989·5	990·2	990·4	990·5	990·8	990·7	991·1	991·3	991·8	992·0	992·2	993·1	993·2	993·7	994·0	994·4	990·9
14	994·5	994·9	995·4	995·9	996·2	996·6	996·6	997·3	997·5	998·2	998·5	998·4	998·2	998·2	998·3	998·5	998·5	998·6	998·7	998·5	998·5	998·4	998·3	998·3	997·5
15	998·0	997·5	996·9	996·1	995·7	995·1	994·7	994·5	994·3	993·4	993·2	992·2	991·4	990·3	989·6	988·8	988·5	987·9	986·9	986·3	985·5	984·6	984·0	983·2	991·5
16	982·3	981·3	980·6	980·0	979·3	978·7	978·3	977·7	977·5	977·3	977·3	976·6	976·1	975·5	975·3	974·7	974·6	974·6	974·6	974·5	974·2	974·4	974·3	973·9	977·0
17	973·4	973·2	972·8	972·3	971·9	971·4	971·4	971·2	971·3	970·7	970·5	969·8	968·9	967·9	966·2	964·7	963·0	960·8	960·3	959·6	958·6	958·1	958·2	958·9	967·2
18	959·2	960·4	961·5	962·6	963·4	963·7	963·6	963·9	964·6	964·6	964·4	964·6	964·2	964·3	964·5	964·8	964·9	964·9	965·4	965·5	965·7	965·7	965·9	966·2	964·0
19	966·5	966·7	966·7	966·5	966·7	966·6	966·6	966·9	967·0	967·2	967·1	967·0	966·4	966·0	965·6	965·5	965·7	965·1	964·9	964·7	964·6	964·2	963·8	963·3	965·9
20	962·0	961·4	960·2	958·3	956·9	955·5	953·2	951·8	950·6	949·0	948·3	947·3	946·2	945·0	944·1	943·6	943·2	942·8	942·5	942·4	942·7	943·4	944·3	944·8	949·5
21	945·4	945·6	945·9	946·4	946·9	947·2	947·4	947·6	948·4	949·1	950·4	951·2	952·0	953·4	954·7	956·9	957·9	959·1	959·8	960·4	961·0	961·7	962·6	962·9	952·7
22	963·5	963·6	963·6	963·5	963·1	962·9	963·1	963·3	963·7	963·6	963·8	963·7	963·6	963·0	963·1	962·9	962·6	962·5	962·5	963·3	963·5	963·9	964·7	965·1	963·4
23	965·6	966·1	966·3	967·1	967·3	967·6	968·3	969·6	970·5	971·0	971·8	972·5	972·8	972·7	973·5	974·4	974·6	974·6	975·0	975·2	975·4	975·5	975·8	975·8	971·4
24	975·6	975·4	975·3	974·9	974·3	973·8	973·9	974·0	974·2	973·9	973·9	973·7	973·5	973·0	972·5	972·1	971·9	971·4	971·2	971·0	970·7	970·5	970·2	969·9	973·1
25	969·3	968·5	968·1	967·5	966·7	966·6	966·0	965·9	966·5	966·0	965·7	965·4	965·0	964·1	964·4	964·0	963·8	963·5	963·6	963·2	962·4	962·0	961·5	961·3	965·2
26	960·7	960·6	960·3	960·3	960·3	960·1	960·3	960·9	961·2	961·5	962·0	962·3	962·0	961·9	962·3	962·5	962·6	962·7	963·5	963·5	963·6	963·6	963·4	962·7	961·8
27	961·7	961·2	960·8	960·1	959·2	958·2	957·4	957·0	956·4	956·4	956·4	956·8	957·2	957·3	958·0	958·5	958·6	958·7	958·6	958·5	957·9	957·7	958·0	958·1	958·4
28	958·0	958·5	959·0	958·8	958·4	957·9	957·4	957·6	957·6	957·7	958·4	958·8	959·1	959·7	960·3	961·1	961·4	961·4	961·4	960·7	960·6	960·9	960·6	960·6	959·4
29	960·2	959·8	959·7	959·6	959·4	958·9	959·0	959·2	959·4	959·6	959·9	959·6	959·5	959·5	959·3	960·0	960·3	960·5	960·8	960·8	961·4	961·5	961·8	962·0	960·0
30	962·0	961·9	962·3	962·6	962·6	962·7	962·3	962·5	963·0	963·2	963·2	963·4	963·5	963·4	963·5	963·4	964·2	964·0	963·9	963·8	963·7	963·5	963·4	963·2	963·1
31	962·7	962·3	961·9	961·5	961·1	960·7	960·4	960·8	960·7	960·5	960·1	959·7	959·7	959·5	959·6	960·1	960·7	961·1	961·6	961·7	961·8	961·7	961·9	961·7	961·0
Mean (Station Level)	967 ·49	967 ·51	967 ·56	967 ·53	967 ·43	967 ·36	967 ·31	967 ·51	967 ·77	967 ·85	967 ·98	967 ·84	967 ·69	967 ·46	967 ·48	967 ·50	967 ·45	967 ·32	967 ·31	967 ·23	967 ·16	967 ·31	967 ·58	967 ·66	967 ·51
Mean (Sea Level)	996 ·43	996 ·48	996 ·53	996 ·49	996 ·41	996 ·35	996 ·29	996 ·49	996 ·76	996 ·80	996 ·87	996 ·67	996 ·47	996 ·23	996 ·26	996 ·34	996 ·30	996 ·20	996 ·20	996 ·10	996 ·03	996 ·20	996 ·50	996 ·59	996 ·41

168 ESKDALEMUIR: H_b = 237·3 metres — FEBRUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	961·2	960·9	960·2	959·9	959·2	958·8	958·3	958·1	958·3	957·7	957·4	957·0	956·3	955·8	955·4	955·2	955·2	955·2	955·0	955·1	954·9	955·0	955·2	955·4	957·2
2	955·8	955·9	956·4	956·7	957·3	957·7	958·4	959·2	960·0	960·3	961·4	961·8	962·1	962·5	963·0	963·7	964·8	965·6	966·1	967·1	967·9	968·5	968·9	969·2	961·8
3	968·7	968·0	968·6	968·9	969·4	970·0	971·2	971·6	972·6	972·8	974·6	975·3	976·4	977·3	977·7	978·1	979·4	980·3	981·0	981·0	981·3	982·0	982·7	983·0	975·2
4	983·1	983·2	983·3	983·6	983·5	984·1	984·6	985·2	985·8	986·3	986·2	986·5	986·4	986·4	986·8	987·0	987·5	988·3	988·2	988·5	988·8	989·2	989·2	989·7	986·2
5	990·0	989·9	989·9	989·9	989·9	990·4	990·7	990·8	991·2	991·9	992·2	992·3	992·5	992·5	992·5	992·5	992·8	993·3	993·5	993·8	993·8	994·1	994·8	994·8	995·1	992·1
6	995·4	995·3	995·3	995·3	995·3	995·5	995·5	995·7	996·2	996·6	997·1	997·0	996·9	996·7	996·7	996·7	997·1	997·6	997·7	998·0	998·2	998·3	998·6	998·9	996·7
7	999·0	999·0	998·9	999·0	999·0	999·1	999·1	999·7	000·1	000·5	001·0	000·7	000·4	000·2	999·9	999·8	999·8	999·9	999·9	999·9	000·0	000·0	000·0	000·0	999·8
8	000·0	999·8	999·3	999·2	999·2	998·9	999·0	998·8	998·5	998·3	998·2	997·6	996·9	996·2	996·0	995·8	995·7	995·5	995·0	994·4	994·3	994·1	993·8	993·5	997·1
9	992·6	992·2	991·6	990·7	990·3	990·2	989·3	989·0	988·5	987·8	988·2	987·7	987·4	986·7	985·9	986·0	986·3	985·9	985·7	986·1	986·5	986·8	987·6	988·3	988·3
10	989·1	989·0	989·2	989·8	990·6	990·7	990·7	990·8	991·6	991·6	992·2	992·3	992·0	992·3	992·4	992·6	992·9	993·0	992·4	991·4	991·4	991·2	990·8	990·3	991·2
11	989·9	989·8	988·6	987·8	987·1	986·5	986·4	985·8	985·1	985·2	984·9	984·1	983·8	983·2	983·3	983·8	984·2	984·8	985·2	985·4	985·7	986·4	987·4	987·8	986·0
12	988·2	988·3	988·7	989·0	989·9	989·9	990·5	991·2	991·7	992·0	992·0	992·0	991·8	991·8	991·4	991·4	991·5	991·8	992·0	992·3	992·2	992·1	992·1	992·1	991·0
13	992·1	991·9	991·5	991·3	991·8	991·8	991·6	991·5	991·6	991·7	991·8	991·4	991·0	991·0	990·7	990·5	990·1	990·2	989·7	989·2	988·7	988·2	987·5	987·2	990·7
14	986·7	986·0	985·3	984·6	984·0	982·9	982·4	981·7	981·1	980·4	980·1	979·3	978·8	978·1	977·2	976·6	976·3	976·1	975·7	975·4	975·0	974·9	974·5	974·1	979·7
15	973·6	972·9	972·3	971·7	971·4	971·1	970·8	970·7	970·5	970·3	970·4	970·5	970·2	970·0	969·9	969·7	969·5	970·2	970·4	970·6	970·5	970·6	970·2	970·1	970·8
16	969·5	969·7	969·7	969·7	969·7	969·5	969·3	969·7	969·8	969·8	969·8	969·4	969·5	969·3	968·7	968·3	968·7	969·0	968·9	968·8	968·5	968·3	968·3	968·2	969·2
17	968·1	968·0	967·7	967·3	966·9	966·9	966·7	967·0	966·8	966·7	966·2	966·1	965·3	965·1	965·1	964·8	964·8	964·7	964·6	964·2	963·9	963·6	963·3	962·8	965·8
18	962·2	961·3	960·4	958·4	956·8	955·3	953·7	952·2	951·1	950·5	949·9	949·8	949·7	949·5	948·7	948·2	948·3	948·1	947·2	946·1	945·7	945·7	946·0	947·2	951·7
19	948·2	949·5	950·9	951·8	953·2	954·6	956·0	957·4	958·2	958·8	959·0	958·8	959·5	959·7	959·6	959·8	959·8	960·0	960·6	961·3	962·2	962·9	963·6	964·7	957·6
20	965·2	965·7	966·6	967·1	968·0	969·0	970·2	971·2	971·9	972·6	973·6	974·1	974·4	974·6	975·1	975·8	976·4	977·3	977·6	978·0	978·2	978·3	978·3	978·3	972·9
21	978·4	977·9	977·0	976·5	975·5	974·3	972·6	971·8	970·3	969·8	969·3	968·7	968·8	969·0	970·1	970·5	971·0	971·1	971·1	970·6	970·8	970·9	971·0	971·4	972·2
22	971·6	971·7	971·7	971·7	971·8	972·0	972·1	972·0	972·0	972·2	971·8	971·4	971·1	970·7	970·4	969·9	969·6	969·4	969·3	968·9	968·6	968·4	967·9	967·4	970·7
23	966·8	966·1	965·2	964·1	963·4	962·9	962·9	962·4	962·5	962·6	961·9	961·9	962·0	962·4	962·6	963·1	963·8	964·3	964·8	965·5	965·9	966·4	967·3	967·9	964·1
24	968·2	968·6	968·9	969·6	970·8	971·9	972·8	974·1	975·0	975·7	977·3	978·3	979·4	980·3	981·3	982·4	983·1	984·7	985·8	986·7	987·6	988·5	989·5	989·9	978·3
25	990·8	991·3	991·7	992·2	992·9	993·5	993·9	994·3	994·7	995·0	994·9	994·6	994·3	993·7	993·4	993·2	992·9	992·5	992·4	991·8	991·4	990·8	990·1	989·2	992·7
26	988·3	987·2	986·4	985·7	984·3	983·1	982·3	981·0	980·4	979·8	978·9	977·9	976·6	975·5	974·4	973·1	972·2	971·4	970·7	969·5	968·4	967·5	966·5	965·9	977·4
27	965·4	964·7	964·0	963·3	963·2	962·5	962·3	962·0	961·9	961·8	961·9	961·8	961·5	961·4	961·2	961·3	961·5	961·9	962·2	962·5	962·7	963·0	963·1	963·1	962·6
28	963·3	963·5	963·5	963·7	963·8	964·1	964·3	964·8	965·0	965·3	965·4	965·2	964·9	964·8	964·6	964·4	964·3	964·5	965·1	965·3	965·9	966·3	966·6	966·9	964·7
29	966·6	966·5	966·2	965·9	966·0	966·3	966·5	966·5	966·4	966·0	966·0	965·8	965·3	965·0	964·7	964·2	963·7	963·4	963·1	962·5	962·6	962·1	961·5	961·2	964·9
Mean (Station Level)	977 ·17	977 ·03	976 ·86	976 ·70	976 ·71	976 ·68	976 ·70	976 ·78	976 ·88	976 ·91	977 ·02	976 ·88	976 ·73	976 ·61	976 ·51	976 ·51	976 ·68	976 ·90	976 ·94	976 ·89	976 ·96	977 ·06	977 ·11	977 ·20	976 ·86
Mean (Sea Level)	1006 ·53	1006 ·40	1006 ·23	1006 ·07	1006 ·09	1006 ·07	1006 ·09	1006 ·17	1006 ·19	1006 ·12	1006 ·13	1005 ·90	1005 ·73	1005 ·59	1005 ·48	1005 ·55	1005 ·84	1006 ·15	1006 ·20	1006 ·18	1006 ·28	1006 ·40	1006 ·48	1006 ·58	1006 ·10
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

169 ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	961·0	960·6	960·2	960·8	961·5	962·0	962·7	963·2	963·4	963·7	964·3	964·9	965·2	965·6	965·8	966·2	966·7	967·6	968·1	969·2	970·0	970·5	971·0	971·5	965·0
2	971·6	972·2	972·7	972·9	973·4	974·2	974·5	975·2	975·5	975·9	976·5	977·2	977·7	978·2	978·4	978·5	978·9	979·1	979·4	979·7	979·8	979·8	979·7	979·7	976·5
3	979·6	979·4	978·9	978·8	978·8	978·8	979·1	979·2	979·2	979·4	979·6	979·6	979·6	979·6	979·7	980·1	980·6	981·2	981·7	982·3	982·7	983·0	983·2	983·4	980·2
4	983·6	983·6	983·4	983·7	983·5	983·2	983·1	982·6	981·8	981·1	980·3	979·2	978·5	977·2	976·3	975·2	975·2	974·9	975·0	974·9	975·1	975·2	975·2	975·3	979·2
5	975·3	975·4	975·2	975·0	974·9	974·8	974·3	974·5	974·2	974·1	974·9	974·8	974·6	974·5	974·6	974·0	974·0	974·0	974·7	974·5	974·6	974·6	974·5	974·7	974·6
6	974·6	974·6	974·7	974·2	974·6	974·8	975·0	975·7	976·2	976·7	977·3	977·4	977·3	977·5	977·6	977·9	977·9	978·4	978·9	979·0	979·2	979·2	979·2	979·2	976·9
7	979·2	979·0	978·5	978·3	978·0	978·0	977·8	977·8	977·4	977·0	976·7	976·4	975·7	975·0	974·2	973·6	973·5	973·6	973·9	974·3	974·4	975·0	975·4	975·9	976·3
8	976·3	976·7	976·9	977·2	977·5	978·1	978·9	979·6	980·0	980·5	981·2	981·4	981·4	981·4	981·3	981·4	981·8	982·0	982·2	982·3	982·3	982·3	982·2	982·0	980·2
9	981·7	981·5	981·1	980·9	980·5	979·9	979·9	979·7	979·4	979·6	980·0	979·8	979·7	979·6	979·7	979·7	980·0	980·6	981·1	981·6	982·0	982·5	982·8	983·3	980·8
10	983·5	983·7	983·7	983·9	984·1	984·5	985·1	985·4	985·7	986·2	986·3	986·4	986·3	986·3	986·3	986·2	986·1	986·3	986·2	986·5	986·5	986·4	986·1	986·1	985·5
11	985·9	985·8	985·1	984·9	984·7	984·6	984·6	984·6	984·8	984·9	984·2	984·0	983·9	983·7	983·4	983·1	983·2	983·5	983·9	984·1	984·4	984·4	984·5	984·4	984·4
12	984·3	984·5	984·7	984·6	984·6	985·0	985·3	985·6	985·8	986·0	986·2	986·1	986·2	986·3	986·2	986·3	986·6	987·0	987·5	987·9	988·0	988·4	988·5	988·6	986·2
13	988·7	988·6	988·6	988·7	988·7	989·0	989·4	989·8	990·3	990·4	990·6	990·8	990·6	990·6	990·5	990·8	991·0	991·3	991·6	992·1	992·1	992·3	992·8	993·0	990·4
14	993·2	993·1	993·1	993·0	993·1	993·4	993·7	994·1	994·6	994·9	994·9	994·7	994·5	994·2	994·1	994·1	994·2	994·5	994·5	994·7	994·6	994·7	994·9	994·9	994·1
15	994·8	994·1	994·0	993·8	993·6	993·6	993·6	994·0	994·2	994·2	994·2	994·1	994·1	994·2	994·2	994·4	994·6	995·7	996·1	996·3	996·3	996·4	996·4	996·3	994·7
16	996·1	995·8	995·4	994·9	994·7	994·6	994·5	994·3	994·3	994·0	993·9	993·9	993·3	992·6	992·5	992·1	992·1	992·3	992·3	992·2	992·1	992·0	992·1	992·0	993·6
17	992·0	991·6	991·3	991·1	990·9	990·9	991·2	991·3	991·6	991·7	991·9	992·0	991·9	991·6	991·5	991·8	991·9	992·1	992·5	992·9	993·0	993·1	993·1	993·1	991·9
18	993·1	993·1	992·9	992·9	993·0	993·0	993·2	993·4	993·6	993·4	993·1	992·6	992·1	991·6	991·1	990·6	990·5	990·4	990·5	990·6	990·4	990·3	990·1	989·6	991·9
19	989·1	988·5	987·9	987·5	987·2	986·6	986·6	986·5	986·2	985·3	984·7	984·0	983·0	981·9	981·3	980·6	980·6	980·6	980·3	980·2	980·1	980·0	979·9	979·7	983·9
20	979·5	979·2	978·7	978·6	978·4	978·3	978·1	978·4	978·4	978·5	978·3	978·2	978·3	978·3	978·4	978·6	978·7	979·4	979·8	980·0	980·3	980·6	980·6	980·9	979·0
21	980·9	981·1	981·1	981·1	981·1	981·0	981·3	981·4	981·0	981·1	981·0	980·4	980·1	979·1	978·2	978·1	977·9	977·9	977·7	977·6	977·4	977·5	977·2	976·4	979·6
22	976·1	975·5	975·3	974·7	974·3	973·9	973·7	973·1	972·6	972·1	971·2	970·5	970·1	969·7	969·3	969·1	969·1	969·3	969·5	969·7	969·7	970·2	970·7	970·9	971·8
23	971·1	971·1	971·1	971·1	970·7	971·1	971·1	971·1	971·3	971·1	971·3	971·3	970·8	971·1	970·9	970·1	969·8	969·9	970·9	970·8	969·9	969·6	970·1	970·8	970·8
24	971·4	971·6	972·2	973·9	975·1	976·2	977·1	978·2	978·9	979·4	979·8	980·0	980·0	980·3	980·1	980·4	980·6	981·2	981·9	982·5	982·6	983·2	983·2	983·2	978·6
25	983·2	983·1	983·2	983·0	983·2	983·3	983·1	983·5	983·6	983·8	983·6	983·4	983·2	982·5	982·4	981·9	981·9	982·1	982·3	982·5	982·2	981·9	981·9	981·6	982·8
26	981·2	980·7	980·1	980·1	979·8	980·0	980·1	980·1	979·8	979·9	979·7	979·8	979·9	979·6	978·6	978·3	978·4	978·8	979·0	978·7	978·9	978·5	978·5	978·2	979·5
27	978·7	978·5	978·1	977·9	977·5	977·7	978·0	978·3	978·4	978·3	978·2	978·0	978·5	977·7	977·8	977·7	977·8	978·2	978·5	978·7	978·7	978·8	978·9	978·6	978·2
28	978·8	978·7	978·5	978·4	978·6	978·6	979·0	979·1	979·3	979·6	979·7	980·1	980·2	980·2	980·1	980·1	980·2	980·2	980·4	980·9	980·3	980·2	980·2	980·1	979·6
29	979·3	978·8	978·2	977·5	977·0	976·4	975·5	975·0	974·4	973·4	972·1	971·1	970·5	969·6	968·8	968·1	967·5	967·4	967·6	967·3	966·8	966·3	965·8	965·3	972·0
30	965·0	964·6	964·3	964·6	965·1	965·4	966·4	967·7	968·9	970·0	970·7	971·3	971·9	972·4	973·1	973·2	973·6	974·1	974·7	975·4	976·1	976·2	976·5	976·5	970·5
31	976·1	975·7	975·3	975·1	974·5	974·0	973·9	974·0	973·9	973·5	973·3	973·4	974·1	973·7	974·3	974·5	974·6	975·2	976·9	978·0	978·2	978·6	979·4	979·5	975·3
Mean (Station Level)	980 ·80	980 ·65	980 ·47	980 ·42	980 ·41	980 ·48	980 ·64	980 ·85	980 ·93	980 ·96	980 ·96	980 ·87	980 ·75	980 ·51	980 ·35	980 ·23	980 ·33	980 ·62	980 ·97	981 ·22	981 ·27	981 ·36	981 ·45	981 ·45	980 ·78
Mean (Sea Level)	1009 ·92	1009 ·78	1009 ·60	1009 ·56	1009 ·53	1009 ·60	1009 ·73	1009 ·89	1009 ·88	1009 ·81	1009 ·76	1009 ·60	1009 ·48	1009 ·18	1009 ·02	1008 ·91	1009 ·07	1009 ·47	1009 ·91	1010 ·21	1010 ·30	1010 ·41	1010 ·53	1010 ·55	1009 ·72

170 ESKDALEMUIR: H_b = 237·3 metres — APRIL, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	979·9	980·1	979·7	979·8	980·1	980·2	980·3	980·6	980·9	980·8	980·6	980·2	979·9	979·6	979·3	979·2	979·6	979·9	980·4	981·1	981·2	981·6	982·1	982·3	980·3
2	982·9	983·4	984·0	984·5	985·4	986·3	987·1	988·4	989·2	989·7	990·0	990·0	990·2	990·7	990·7	990·8	991·3	991·9	992·3	992·9	993·2	993·6	993·8	993·9	989·2
3	993·6	993·6	993·6	993·3	993·4	993·7	994·1	994·1	994·1	993·7	993·5	993·0	992·6	992·2	992·0	992·0	992·6	992·6	992·7	992·9	993·0	993·2	993·3	993·1	993·2
4	993·3	993·2	993·0	992·9	993·1	993·7	994·2	994·2	994·0	994·2	994·0	994·4	994·2	993·7	993·4	993·4	993·7	993·9	994·6	995·3	995·9	996·4	996·9	996·7	994·2
5	996·8	996·8	996·7	996·8	997·0	997·5	997·9	998·0	998·1	998·5	998·7	998·8	998·9	998·8	998·4	998·4	998·8	999·1	999·4	999·8	999·9	999·9	999·9	999·6	998·4
6	999·2	998·8	998·9	998·4	997·9	997·4	996·9	996·0	995·0	994·1	993·6	992·8	991·7	991·3	990·9	989·7	989·7	989·3	989·1	989·1	988·9	989·1	989·4	989·3	993·4
7	989·5	989·5	989·6	989·5	989·6	989·5	989·7	989·6	989·5	989·4	989·2	989·0	988·7	988·5	988·3	988·2	988·3	988·5	989·3	989·9	990·2	990·3	990·8	990·7	989·4
8	990·5	990·5	990·3	990·5	990·6	990·9	991·0	991·5	991·7	991·9	991·8	991·9	991·9	992·0	992·0	992·1	992·4	992·8	993·2	993·9	994·6	995·1	995·4	995·8	992·2
9	995·9	995·9	996·0	996·1	996·4	996·9	997·4	997·7	997·7	997·9	997·8	997·8	997·7	997·5	997·2	997·0	996·8	997·0	997·1	997·3	997·3	997·5	997·6	997·8	997·1
10	997·6	997·1	997·0	996·7	996·4	996·7	996·3	996·2	996·1	995·9	995·4	994·8	994·5	993·9	993·7	993·7	993·6	993·5	993·6	993·9	994·0	993·9	993·5	993·2	995·1
11	992·8	992·6	992·1	991·7	991·5	991·3	991·1	990·7	990·3	990·1	990·0	989·7	989·0	988·6	988·4	987·8	988·2	988·0	988·2	987·8	987·5	987·0	986·3	985·4	989·6
12	984·6	983·8	983·3	983·5	984·1	984·1	984·8	985·1	985·2	985·8	985·9	986·1	985·9	986·1	985·8	985·8	985·9	985·9	986·0	985·9	985·6	985·2	985·1	984·7	985·2
13	984·1	983·5	983·1	982·4	982·0	981·7	981·6	981·3	981·2	980·8	980·5	980·0	980·2	980·4	980·3	980·1	980·2	980·3	980·6	980·9	980·5	980·3	980·2	979·8	981·2
14	979·6	979·0	978·6	978·3	977·9	977·7	977·8	978·0	978·1	978·4	978·4	978·4	978·3	978·6	978·7	978·7	978·8	978·9	979·2	979·2	979·0	979·0	978·8	978·2	978·6
15	978·1	977·5	976·8	976·4	976·2	976·2	976·0	976·0	975·1	974·9	974·9	974·3	974·4	974·3	973·7	973·7	973·4	973·7	973·8	973·9	973·9	974·0	973·8	973·8	975·0
16	973·4	973·1	973·3	973·2	973·2	973·7	974·0	974·2	974·7	974·9	975·0	975·1	975·3	975·2	975·1	975·4	975·7	976·2	976·5	977·1	977·1	977·2	977·3	977·2	975·1
17	977·4	977·5	977·6	977·8	978·0	978·6	979·1	979·7	979·8	980·2	981·3	981·4	981·7	982·0	982·4	982·8	983·3	984·0	984·3	984·8	984·9	985·3	985·6	985·8	981·3
18	986·0	986·1	986·3	986·1	986·1	986·3	986·3	986·3	985·8	985·5	984·8	984·4	983·4	983·4	983·3	982·9	982·9	983·4	984·0	984·4	984·8	984·9	984·9	984·9	984·9
19	984·7	984·6	984·4	984·2	984·1	984·2	984·2	984·0	984·2	984·0	983·7	983·2	982·8	982·4	982·6	981·8	981·8	981·8	982·0	982·4	982·1	981·6	981·4	980·9	983·1
20	980·4	980·0	979·6	979·4	979·1	979·1	978·9	978·9	978·6	978·6	978·5	978·1	978·2	977·8	978·1	978·2	978·3	978·7	979·3	979·3	979·6	979·6	979·7	979·3	979·0
21	978·7	978·7	978·4	977·9	977·3	977·1	976·4	975·3	974·5	973·9	973·2	972·2	971·7	970·8	970·2	970·0	970·2	970·8	971·4	972·3	972·6	973·5	974·1	974·8	974·1
22	975·1	975·9	976·5	977·3	978·1	978·7	979·4	979·6	980·0	980·6	981·0	981·1	981·5	981·7	982·3	982·5	982·9	983·1	983·9	984·6	985·3	985·8	985·7	985·8	981·0
23	985·9	986·2	986·1	986·0	986·2	986·2	986·1	985·9	985·2	984·9	984·3	983·6	982·7	982·2	981·4	980·7	980·3	979·8	979·4	979·1	978·4	978·0	977·5	977·4	982·8
24	977·4	977·3	977·4	977·5	977·9	979·0	980·1	980·5	981·5	982·0	982·0	982·0	982·2	982·5	982·5	982·8	982·4	981·3	980·4	980·3	979·7	979·2	978·7	979·0	980·2
25	979·1	979·1	979·3	979·9	960·0	980·1	980·0	980·5	980·9	981·1	981·2	981·1	981·2	981·5	981·3	981·0	980·5	980·5	980·6	980·4	980·4	980·3	980·2	980·1	980·4
26	980·0	979·5	979·5	979·6	979·8	980·5	980·9	981·0	981·1	981·1	981·4	981·6	981·6	982·1	982·4	982·8	983·0	984·6	985·1	986·0	987·1	987·5	987·7	988·2	982·5
27	988·6	989·0	989·8	990·8	991·5	992·3	993·3	994·0	994·3	994·6	994·9	995·2	995·4	995·6	995·6	996·0	996·4	996·8	997·2	997·9	997·9	998·0	997·9	997·8	994·4
28	997·3	997·1	996·9	996·3	996·1	996·0	995·8	995·7	995·4	995·0	994·8	994·7	994·5	994·1	994·1	994·0	994·0	994·4	994·7	995·2	995·4	995·9	996·3	996·5	995·5
29	996·6	996·9	997·1	997·1	997·5	998·0	998·3	998·6	998·7	998·9	999·2	999·0	998·9	999·0	998·9	998·9	998·8	998·8	998·8	999·0	999·2	999·1	999·2	999·1	998·4
30	999·3	999·1	998·9	999·2	999·5	999·8	000·1	000·0	999·8	999·8	999·8	999·6	999·5	999·4	999·3	999·1	999·1	999·1	999·3	999·5	999·8	999·9	999·9	999·8	999·5
Mean (Station Level)	986 ·61	986 ·51	986 ·46	986 ·44	986 ·53	986 ·78	986 ·97	987 ·05	987 ·02	987 ·04	986 ·98	986 ·78	986 ·62	986 ·53	986 ·41	986 ·32	986 ·43	986 ·62	986 ·88	987 ·20	987 ·30	987 ·40	987 ·44	987 ·36	986 ·81
Mean (Sea Level)	1016 ·07	1016 ·00	1015 ·94	1015 ·96	1016 ·09	1016 ·30	1016 ·35	1016 ·22	1016 ·05	1015 ·98	1015 ·84	1015 ·56	1015 ·35	1015 ·27	1015 ·17	1015 ·09	1015 ·26	1015 ·55	1015 ·99	1016 ·45	1016 ·61	1016 ·79	1016 ·88	1016 ·84	1015 ·97
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

171 ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres

MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	999·7	999·6	999·4	999·3	999·3	999·6	999·6	999·4	999·0	998·9	998·7	998·3	998·1	997·9	997·7	997·4	997·4	997·3	997·5	998·0	998·3	998·3	998·2	998·4	998·6
2	998·4	998·5	998·5	998·7	998·9	999·0	999·2	999·2	999·1	999·0	999·2	999·1	998·7	998·6	998·5	998·4	998·4	998·6	999·0	999·2	000·0	000·0	000·1	000·2	999·0
3	000·4	000·4	000·4	000·3	000·4	000·4	000·3	000·1	000·0	999·9	999·7	999·4	999·0	998·5	998·0	997·8	997·7	998·0	998·2	998·4	998·5	998·5	998·3	998·0	999·2
4	997·5	997·3	996·5	995·9	995·7	995·1	994·6	994·0	993·4	992·7	992·5	991·6	990·8	989·9	989·2	988·3	988·0	987·7	988·1	988·1	987·8	987·6	987·4	987·0	991·8
5	986·5	986·0	985·3	984·7	984·8	984·2	984·3	983·8	984·0	983·7	983·5	983·2	982·5	982·4	982·1	982·1	982·2	982·2	982·3	982·6	982·5	982·5	982·5	982·1	983·5
6	982·2	982·1	982·1	982·2	982·3	982·6	983·1	983·1	983·1	983·6	983·8	984·0	984·5	984·5	984·5	985·5	985·8	986·3	987·1	987·6	988·3	988·3	988·6	988·5	984·6
7	988·5	988·8	989·1	989·4	989·9	990·1	990·4	990·5	990·6	990·8	991·3	991·4	991·7	991·5	991·5	992·1	992·3	992·7	992·7	993·1	993·6	993·9	994·1	993·7	991·3
8	993·5	993·8	993·7	993·7	993·6	993·5	993·9	993·7	993·2	992·9	992·4	992·2	991·8	991·0	990·7	991·1	990·9	990·9	991·2	991·5	991·5	991·4	991·3	991·3	992·3
9	991·1	990·3	990·4	990·6	990·2	990·6	990·5	990·5	990·3	990·0	989·4	989·5	989·5	989·4	989·2	989·4	989·1	989·0	989·0	989·9	990·1	990·2	990·1	990·2	990·0
10	990·0	990·1	990·0	990·0	989·9	990·2	990·3	990·4	990·1	990·1	990·0	989·8	989·7	989·4	989·1	988·9	988·9	989·2	989·6	990·1	990·2	990·5	990·4	990·4	989·9
11	990·3	990·5	990·4	990·4	990·4	990·5	990·5	990·5	990·5	990·3	990·1	989·8	989·3	989·1	988·8	988·4	988·3	988·5	988·6	988·7	989·0	988·9	988·7	988·5	989·6
12	988·4	988·3	988·1	987·8	987·9	988·1	988·1	988·2	988·2	988·3	988·4	988·3	988·4	989·1	989·2	989·1	989·1	989·1	989·2	989·5	989·7	990·0	989·9	990·0	988·7
13	990·1	990·0	989·7	989·9	990·1	990·0	989·9	989·8	989·4	988·9	988·6	988·0	987·8	987·4	987·3	987·0	986·9	986·6	986·5	986·8	986·6	986·4	986·4	986·8	988·3
14	987·2	987·4	987·6	987·8	988·3	988·8	989·2	989·0	989·0	989·0	989·0	988·9	988·5	988·4	988·2	987·5	987·2	987·2	987·0	986·7	986·2	986·0	985·6	985·3	987·7
15	984·8	984·2	983·9	983·4	983·2	983·2	983·5	983·9	984·2	984·0	983·5	983·7	983·7	983·1	983·4	983·7	983·7	984·1	983·8	984·2	984·7	984·1	983·8	983·7	983·8
16	983·1	982·9	983·1	983·2	983·3	983·5	983·7	983·7	983·8	983·5	983·0	982·5	982·3	982·3	982·1	982·4	982·6	983·1	984·1	985·3	986·2	986·5	986·6	986·3	983·7
17	985·9	985·5	985·4	984·9	984·7	984·8	984·8	984·7	984·4	984·9	984·7	985·1	985·3	985·5	985·6	986·0	986·6	987·1	987·7	988·7	989·1	989·9	990·1	990·1	986·2
18	990·7	991·1	991·1	991·4	991·7	992·8	993·1	993·8	994·4	995·0	995·4	995·7	995·6	995·6	995·7	995·9	996·3	997·1	997·8	998·6	999·4	999·8	000·0	999·9	995·1
19	000·0	999·8	999·2	999·0	999·2	998·9	998·6	998·4	998·3	998·0	997·5	997·1	996·5	996·0	995·2	994·9	994·3	994·4	994·2	994·4	994·8	994·9	995·0	995·5	996·9
20	996·0	995·8	996·0	996·0	996·3	996·3	996·4	996·4	996·3	996·4	996·8	996·3	996·3	996·1	996·1	996·0	995·7	995·9	996·1	996·3	996·5	996·4	996·1	995·9	996·2
21	995·4	995·0	994·8	994·4	994·5	994·5	994·3	994·1	993·8	993·6	993·3	992·8	992·2	992·1	991·9	991·8	991·7	991·7	992·1	992·1	991·9	991·6	991·2	990·7	993·1
22	989·9	989·1	988·3	987·7	987·0	985·9	985·4	984·5	983·4	982·8	981·9	981·1	980·1	979·1	978·9	978·9	978·6	978·9	979·3	979·8	980·4	981·2	982·3	982·7	983·0
23	983·6	984·2	984·4	984·6	985·2	985·7	986·2	986·9	987·1	987·6	987·9	988·0	988·1	988·3	988·1	988·1	988·4	988·6	988·8	989·1	989·3	989·3	989·7	989·9	987·2
24	989·7	989·8	989·6	990·0	990·2	990·3	990·4	990·5	990·6	990·3	990·0	989·8	989·8	989·7	989·1	988·8	988·2	988·1	988·1	987·7	988·0	988·1	987·9	987·7	989·3
25	987·6	988·1	987·8	987·5	988·0	988·5	988·9	988·9	989·1	989·8	989·8	990·4	990·4	990·5	990·2	990·2	990·2	990·3	991·0	991·5	992·1	992·4	992·9	993·0	989·8
26	992·9	992·9	992·7	992·7	993·0	993·1	993·2	993·3	993·6	993·9	993·9	993·8	993·7	993·3	992·9	992·8	992·6	992·6	992·5	993·1	993·5	993·5	993·7	993·6	993·2
27	993·5	993·3	993·4	993·8	993·9	994·3	994·9	995·5	995·9	996·0	996·3	996·3	996·3	996·4	996·2	996·2	996·3	996·7	996·8	997·3	997·6	997·6	997·5	997·4	995·7
28	997·2	997·1	997·2	996·7	996·8	996·6	996·7	996·6	996·2	995·4	994·8	994·2	993·1	992·5	991·8	991·2	990·8	990·1	989·4	988·8	988·8	988·1	987·6	985·9	993·3
29	984·9	984·1	983·3	982·2	981·2	981·2	981·2	981·1	980·6	979·1	979·1	979·4	978·7	978·4	978·6	978·8	978·3	978·3	978·2	978·1	978·1	978·2	978·2	978·1	980·1
30	977·8	977·4	977·3	977·5	977·7	978·1	978·4	978·7	979·0	979·3	980·1	979·8	980·4	980·1	980·3	980·4	980·7	981·2	981·4	981·8	982·2	982·5	982·7	983·0	979·8
31	982·8	982·9	983·0	983·0	983·1	983·2	983·1	983·6	983·8	984·1	984·3	984·3	984·2	984·0	983·6	983·4	983·5	984·2	984·0	984·2	984·4	984·4	984·3	984·0	983·7
Mean (Station Level)	990 ·31	990 ·19	990 ·05	989 ·96	990 ·02	990 ·12	990 ·22	990 ·22	990 ·14	990 ·06	989 ·96	989 ·80	989 ·58	989 ·36	989 ·15	989 ·11	989 ·06	989 ·22	989 ·40	989 ·72	989 ·98	990 ·03	990 ·04	989 ·93	989 ·83
Mean (Sea Level)	1019 ·38	1019 ·28	1019 ·16	1019 ·09	1019 ·13	1019 ·11	1019 ·07	1018 ·91	1018 ·70	1018 ·51	1018 ·34	1018 ·09	1017 ·82	1017 ·55	1017 ·38	1017 ·36	1017 ·36	1017 ·62	1017 ·95	1018 ·44	1018 ·81	1018 ·94	1018 ·98	1018 ·93	1018 ·50

172 ESKDALEMUIR: H_b = 237·3 metres

JUNE, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	983·5	983·4	983·1	983·1	983·0	983·1	983·0	982·9	982·6	982·6	982·6	982·5	982·3	982·4	982·6	982·7	982·9	983·2	983·6	984·1	984·5	984·8	985·0	985·1	983·3
2	985·3	985·3	985·3	985·5	985·8	986·2	986·7	986·4	986·6	986·7	986·7	986·9	987·1	986·9	986·5	986·4	986·5	986·4	986·4	986·6	986·6	986·8	986·4	986·5	986·3
3	986·3	986·0	985·7	985·6	985·6	985·8	985·7	985·7	985·4	985·4	985·3	985·4	985·3	985·0	985·0	984·8	984·7	984·8	985·0	985·0	985·0	985·1	985·2	985·5	985·4
4	985·7	985·8	986·0	986·3	986·6	987·1	987·5	988·3	988·8	989·3	989·6	989·8	990·1	990·4	990·3	990·3	990·8	991·5	991·4	992·2	992·7	993·1	993·3	993·4	989·4
5	993·2	993·1	993·0	992·8	992·7	992·7	992·6	992·4	992·0	991·7	991·3	990·7	990·3	990·0	989·6	989·2	989·0	988·9	989·0	988·8	988·5	988·0	987·5	986·9	990·7
6	986·1	985·4	984·5	983·9	983·2	983·2	982·8	982·5	982·4	982·1	982·3	981·7	981·9	981·4	981·3	981·1	981·2	981·2	980·9	981·2	981·5	981·5	981·6	981·2	982·5
7	981·0	980·8	980·8	980·8	981·2	981·4	981·9	982·3	982·4	982·6	983·1	983·4	983·6	984·1	984·3	984·5	984·7	984·9	985·7	986·1	986·7	987·2	987·3	987·5	983·5
8	987·8	987·8	988·1	988·0	988·4	988·8	989·0	989·4	989·3	989·1	989·3	989·3	989·7	989·8	989·9	989·9	990·0	990·2	990·5	990·9	991·2	991·4	991·4	991·0	989·5
9	991·0	991·0	990·8	990·7	990·0	989·9	989·8	989·7	989·1	988·6	988·3	988·0	987·7	987·3	987·0	986·7	986·5	986·3	986·3	986·3	986·3	986·2	986·0	986·0	988·2
10	985·9	986·1	987·0	987·1	987·8	988·1	988·6	989·3	990·0	990·1	990·4	990·4	990·3	990·2	990·1	989·8	989·8	990·0	990·2	990·5	990·7	990·6	990·3	990·0	989·2
11	989·5	989·1	988·7	988·2	987·7	987·4	987·0	986·5	986·0	985·6	985·0	984·5	984·2	983·9	983·8	983·7	983·7	983·2	983·4	983·5	983·5	983·5	983·4	983·6	985·5
12	983·5	983·4	983·3	983·4	983·6	984·1	984·4	984·4	984·7	984·8	985·0	985·0	985·2	985·9	986·3	986·5	986·5	986·8	987·3	987·5	988·2	988·0	988·5	988·4	985·5
13	988·4	988·2	987·8	988·0	988·3	988·5	988·9	989·2	989·0	988·8	989·1	988·9	988·6	988·4	988·3	987·8	987·5	987·7	987·8	987·9	988·0	987·9	987·7	987·4	988·3
14	987·4	987·0	986·5	986·4	986·0	985·2	984·8	984·0	983·5	982·8	982·3	981·8	980·9	980·2	979·5	978·9	978·5	978·5	978·4	978·4	978·4	978·3	978·3	977·9	982·0
15	977·3	976·8	976·3	976·1	975·9	975·5	975·5	975·5	975·7	976·3	976·8	977·3	977·7	977·9	978·3	978·9	979·5	979·9	980·2	981·0	981·4	981·5	981·5	981·2	978·0
16	981·2	981·0	980·4	980·2	979·6	979·1	978·9	979·0	979·1	979·5	980·0	980·4	980·6	980·7	980·8	981·1	981·7	981·9	982·4	982·9	983·5	983·9	984·3	984·4	981·0
17	984·5	984·5	984·4	984·4	984·8	985·2	985·4	985·8	985·9	986·7	987·4	987·6	988·3	988·4	988·8	989·3	989·8	990·0	990·6	991·3	992·1	992·6	992·9	993·1	987·9
18	993·5	993·6	994·0	994·2	994·3	994·7	995·3	995·4	995·7	996·0	996·2	996·2	996·1	996·1	995·9	995·8	996·2	996·2	996·5	996·9	997·5	998·0	998·1	998·1	995·7
19	997·7	997·1	997·1	996·5	996·4	996·7	996·6	996·0	995·8	995·0	994·4	994·0	993·5	993·1	992·1	991·6	991·2	990·9	990·8	990·9	990·8	990·8	990·4	989·8	993·9
20	989·7	989·2	988·9	988·5	988·0	987·8	988·2	988·3	988·1	988·1	988·2	988·0	986·9	986·5	986·4	986·3	986·3	986·3	986·8	986·9	987·2	987·2	987·1	987·4	987·6
21	987·2	986·8	987·0	986·9	986·9	987·3	987·1	987·1	987·0	986·6	986·2	986·2	985·8	985·6	985·3	985·0	984·9	985·1	985·5	985·9	986·6	986·9	986·8	987·3	986·4
22	987·2	986·7	985·7	985·5	985·3	985·4	986·9	987·1	986·8	986·4	986·8	986·4	986·8	986·4	985·8	985·9	985·9	986·0	986·3	986·3	986·5	986·5	986·7	987·1	986·4
23	987·3	987·8	988·1	988·4	988·5	989·2	989·8	990·2	990·7	991·1	991·2	991·5	991·6	992·0	992·0	992·1	992·1	992·3	992·5	992·7	993·0	993·3	993·2	993·2	990·9
24	992·8	992·4	992·3	992·3	992·3	992·6	992·3	992·4	992·6	992·7	992·6	992·3	992·3	992·2	992·0	992·1	991·9	991·9	992·0	992·6	993·0	993·4	993·6	993·6	992·5
25	993·6	993·5	993·4	993·6	993·6	993·7	994·1	994·4	994·5	994·5	994·2	994·2	994·3	994·2	993·6	993·3	992·9	992·8	992·8	993·4	993·6	993·7	993·3	993·7	993·7
26	993·4	993·1	992·8	992·8	992·9	992·6	992·5	992·3	992·3	992·3	992·2	992·0	991·9	991·7	991·4	991·1	991·1	991·1	991·4	991·7	991·8	992·1	992·3	992·2	992·2
27	992·1	992·2	992·2	992·2	992·2	992·2	992·3	992·2	992·1	992·3	992·2	991·8	991·7	991·4	991·1	991·9	990·7	990·8	991·1	991·1	991·3	991·4	991·4	991·3	991·7
28	991·2	991·0	990·9	990·8	990·6	990·4	990·2	990·2	989·8	989·4	989·1	988·6	988·1	987·8	987·4	987·0	986·5	986·3	986·1	986·1	986·4	986·5	986·5	986·2	988·6
29	986·1	985·3	984·9	984·5	984·4	984·2	984·0	983·7	983·7	983·3	983·0	982·9	982·4	982·1	981·6	981·5	981·2	981·2	980·8	980·8	980·6	979·9	979·1	978·5	982·7
30	977·5	977·0	975·9	975·2	974·7	974·2	974·2	974·1	973·7	974·0	974·0	974·2	974·4	974·6	974·7	974·7	974·6	974·9	975·3	975·3	975·6	976·0	976·0	975·8	975·1
Mean (Station Level)	987 ·56	987 ·35	987 ·16	987 ·06	987 ·01	987 ·08	987 ·20	987 ·22	987 ·18	987 ·15	987 ·16	987 ·08	986 ·99	986 ·89	986 ·72	986 ·66	986 ·63	986 ·71	986 ·90	987 ·16	987 ·42	987 ·54	987 ·52	987 ·44	987 ·12
Mean (Sea Level)	1016 ·19	1016 ·00	1015 ·82	1015 ·72	1015 ·60	1015 ·56	1015 ·54	1015 ·45	1015 ·30	1015 ·17	1015 ·13	1014 ·97	1014 ·87	1014 ·74	1014 ·56	1014 ·52	1014 ·52	1014 ·67	1014 ·95	1015 ·36	1015 ·77	1015 ·98	1016 ·03	1016 ·01	1015 ·35
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

173 ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	975·7	975·7	975·3	975·3	975·3	975·4	975·5	975·3	975·0	975·0	974·8	974·7	974·6	974·4	974·2	974·0	973·9	974·5	974·8	974·7	974·7	974·5	974·7	974·5	974·9
2	974·5	974·2	974·0	973·9	974·1	974·3	974·4	974·4	974·7	974·8	974·7	974·8	974·4	974·7	974·4	975·0	975·2	975·2	975·2	975·4	975·7	975·8	975·9	975·3	974·8
3	975·8	975·8	975·7	975·5	975·6	975·6	975·9	976·0	976·0	976·1	975·8	975·9	976·4	976·8	976·6	976·6	976·8	977·2	977·4	977·7	978·4	978·7	978·9	979·0	976·6
4	979·2	979·4	979·8	979·9	980·2	980·3	980·8	981·1	981·0	980·9	980·3	980·7	980·5	980·6	980·5	980·4	980·4	980·2	980·1	980·4	980·5	980·6	980·9	981·0	980·4
5	981·1	981·3	981·6	981·9	982·2	982·9	983·1	983·2	983·3	983·3	983·9	984·0	984·2	984·2	984·4	984·8	984·9	985·1	985·2	985·4	985·7	986·0	986·1	986·1	983·8
6	986·0	985·8	986·2	986·0	986·0	985·9	985·8	986·1	985·9	985·8	985·6	985·2	985·0	984·6	984·4	983·9	983·1	983·0	982·5	982·2	982·0	982·0	981·3	981·0	984·5
7	980·4	979·8	979·6	979·3	979·0	979·4	979·4	979·6	979·7	979·9	980·0	979·6	979·9	979·7	979·3	978·8	978·4	978·4	978·2	977·9	978·0	977·8	977·5	977·5	979·1
8	977·2	976·7	976·3	976·3	976·2	976·2	976·1	976·4	976·3	976·3	976·3	976·7	977·1	977·4	977·6	977·7	977·8	978·0	978·4	978·7	979·4	979·5	979·5	979·6	977·4
9	979·8	979·7	979·4	979·3	979·4	979·6	979·5	979·6	979·6	979·6	979·5	979·4	979·0	978·9	979·4	979·2	978·9	979·2	979·7	979·7	979·8	979·8	979·9	979·6	979·5
10	979·4	979·3	979·2	979·2	979·2	979·4	979·4	979·5	979·4	979·5	979·4	979·3	979·2	979·3	979·4	979·3	979·2	979·2	979·3	979·8	979·9	979·9	979·5	979·1	979·4
11	978·6	978·7	978·4	978·4	978·4	978·2	978·0	978·0	977·9	977·7	977·3	977·1	977·0	977·0	977·0	976·9	977·1	977·2	977·0	977·4	977·4	977·4	977·1	977·1	977·6
12	977·0	976·9	976·8	976·8	976·7	976·7	976·9	976·7	976·5	976·3	976·2	976·0	975·9	975·4	975·4	974·4	974·0	973·8	973·2	973·0	972·6	972·3	971·8	971·4	975·2
13	970·8	970·7	970·4	970·3	970·4	970·4	970·4	970·4	970·5	970·7	970·5	970·4	970·4	970·6	970·9	971·4	972·1	972·8	973·3	973·5	973·7	974·0	974·1	974·2	971·5
14	974·1	974·0	973·9	974·0	974·0	974·3	974·5	974·7	974·6	974·3	974·4	974·3	974·0	973·6	973·8	973·4	973·0	972·4	972·1	971·6	971·0	970·7	970·3	969·7	973·3
15	969·1	968·5	967·8	967·6	967·3	967·3	967·3	967·2	967·1	967·0	966·7	966·9	967·3	967·7	968·1	968·6	969·1	969·6	970·2	970·8	971·3	971·5	971·9	972·0	968·6
16	972·4	972·9	973·5	974·2	975·2	976·0	976·6	977·3	977·8	978·9	979·4	979·9	980·4	980·9	981·6	981·9	981·9	982·4	982·8	983·2	983·6	983·8	984·1	984·1	979·1
17	984·0	984·0	983·7	983·5	983·2	983·2	983·2	983·0	982·8	982·6	982·0	981·6	981·0	980·7	980·5	980·1	979·5	978·7	978·1	977·5	977·3	976·4	975·9	973·3	980·9
18	972·2	972·0	970·9	970·2	969·5	969·4	969·1	968·9	968·7	968·4	968·3	968·2	967·8	967·4	967·3	967·0	966·7	966·8	967·0	967·3	967·4	967·5	967·5	967·6	968·6
19	967·9	968·2	968·1	968·2	968·3	968·4	968·5	968·7	969·3	969·7	970·0	970·2	970·4	970·6	971·3	971·4	971·5	971·6	972·1	971·9	971·9	972·0	972·0	972·0	970·1
20	971·9	971·7	971·9	972·2	972·5	972·9	973·3	973·8	974·2	974·7	975·0	975·2	975·4	975·5	976·0	976·1	976·4	976·8	977·2	977·8	978·3	978·3	978·6	978·9	975·0
21	979·0	979·0	979·0	979·0	979·1	979·2	979·3	979·3	979·6	979·8	980·0	980·2	980·6	980·8	980·6	980·5	980·5	980·7	981·0	981·3	981·6	981·6	981·8	982·1	980·2
22	982·2	982·2	982·2	982·3	982·3	982·4	982·9	983·2	983·3	983·6	983·6	983·6	983·6	983·6	983·6	983·4	983·4	983·1	983·0	983·3	983·1	982·7	982·4	981·7	983·0
23	980·6	980·2	979·0	978·2	977·3	976·1	975·4	974·2	972·9	971·8	970·5	969·2	968·2	967·0	966·1	965·2	964·9	964·9	964·9	965·2	965·0	965·1	964·9	964·7	970·8
24	964·1	963·3	962·4	961·8	961·5	962·1	962·5	962·5	962·6	963·0	963·8	964·2	965·0	965·4	966·0	966·6	967·2	967·8	968·2	969·1	969·5	969·6	969·7	970·0	965·2
25	970·2	970·5	971·0	971·3	971·4	971·7	971·8	972·2	972·5	973·2	973·6	973·5	974·2	974·3	974·7	975·0	975·1	975·3	975·5	975·9	976·5	976·9	977·3	977·5	973·6
26	977·8	978·3	978·3	978·5	979·0	979·4	979·8	980·2	980·2	980·3	980·5	980·6	980·6	980·6	980·9	980·9	981·3	981·3	981·8	982·2	982·7	982·9	983·0	983·2	980·5
27	983·6	983·7	983·8	984·0	984·4	984·7	984·7	984·8	984·9	985·1	985·2	985·4	985·3	985·6	985·8	985·8	985·9	986·0	986·0	986·5	986·7	986·8	986·7	986·7	985·3
28	986·5	986·4	986·3	986·3	986·3	986·3	986·4	986·6	986·5	986·4	986·2	986·0	986·2	986·4	986·7	986·6	986·3	986·6	986·6	986·9	987·3	987·6	987·5	987·4	986·6
29	987·5	987·5	987·7	988·2	988·3	988·8	989·6	989·9	990·3	990·8	990·9	991·2	991·4	991·3	991·9	992·2	992·2	992·2	992·7	993·0	993·4	993·6	993·8	993·7	990·8
30	993·6	993·6	993·5	993·5	993·4	993·4	993·4	993·4	993·6	993·5	993·4	992·8	992·6	992·4	991·9	991·4	991·3	990·5	989·8	989·0	987·8	986·9	985·7	984·5	991·6
31	983·2	981·9	980·6	979·9	979·4	978·6	978·5	978·6	978·7	979·1	979·5	979·5	978·8	978·5	978·3	979·6	980·1	980·1	980·3	980·5	980·6	980·5	980·3	980·1	979·9
Mean (Station Level)	977 ·92	977 ·80	977 ·62	977 ·58	977 ·58	977 ·69	977 ·81	977 ·90	977 ·92	978 ·00	977 ·98	977 ·94	977 ·95	977 ·93	978 ·02	978 ·00	978 ·00	978 ·08	978 ·18	978 ·35	978 ·48	978 ·47	978 ·41	978 ·23	977 ·99
Mean (Sea Level)	1006 ·05	1005 ·97	1005 ·81	1005 ·76	1005 ·73	1005 ·77	1005 ·79	1005 ·81	1005 ·76	1005 ·77	1005 ·70	1005 ·63	1005 ·65	1005 ·60	1005 ·71	1005 ·72	1005 ·72	1005 ·84	1006 ·01	1006 ·28	1006 ·47	1006 ·51	1006 ·49	1006 ·34	1005 ·91

174 ESKDALEMUIR: H_b = 237·3 metres — AUGUST, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	980·2	979·8	979·6	979·6	979·4	979·6	979·6	979·4	979·4	979·2	979·2	979·2	979·2	979·1	979·1	979·0	979·0	979·0	979·1	979·1	979·1	978·8	978·1	977·8	979·2
2	976·6	975·6	974·6	973·2	971·2	970·7	969·2	968·0	966·8	966·2	966·1	965·9	965·9	966·3	967·1	967·3	967·9	968·5	969·4	970·2	970·8	971·5	971·8	972·4	969·8
3	972·7	972·7	973·2	973·2	973·2	973·2	973·7	973·8	974·0	974·0	974·5	974·5	975·0	974·7	975·1	975·6	975·7	976·4	977·5	978·1	978·8	979·6	980·5	981·0	975·3
4	981·4	982·0	982·5	982·5	982·7	983·4	984·0	984·0	983·9	983·6	983·6	983·7	983·7	983·5	983·6	984·1	984·9	985·3	986·0	986·1	986·8	987·0	987·1	987·1	984·2
5	987·6	987·6	987·7	987·6	988·2	988·5	988·9	989·1	989·2	989·3	989·6	989·7	989·8	989·8	990·0	989·9	989·9	990·1	990·2	990·2	990·3	990·2	990·1	989·6	989·3
6	989·0	988·3	988·0	987·8	987·3	987·2	986·8	986·7	986·6	986·5	986·7	986·9	987·2	987·7	988·3	988·7	989·2	990·2	991·0	992·1	992·5	993·2	993·8	994·3	988·9
7	994·4	994·6	994·8	995·2	995·5	996·0	996·6	996·6	996·9	996·9	996·8	996·7	996·6	996·5	996·5	996·5	996·5	996·5	996·7	996·7	996·7	996·5	996·4	996·2	996·2
8	995·9	995·4	995·3	994·9	994·4	994·2	994·1	993·7	993·4	993·2	992·8	992·3	992·2	992·5	992·2	992·0	991·4	991·3	991·0	990·8	990·7	990·7	990·1	990·0	992·8
9	989·5	989·3	988·6	988·3	988·3	988·2	987·9	987·9	987·8	988·0	988·1	988·1	988·1	987·9	987·7	987·6	987·3	987·2	987·3	987·5	987·3	987·4	987·3	988·0	988·0
10	987·2	987·1	986·7	986·4	986·7	986·8	986·7	986·5	986·6	986·6	986·5	986·5	986·2	986·1	986·0	985·6	985·5	985·7	985·7	986·2	986·4	986·6	986·6	986·6	986·4
11	986·4	986·2	985·7	985·6	986·1	986·1	986·1	986·0	985·8	985·8	985·6	985·5	985·4	984·8	984·6	984·0	983·9	983·9	983·9	983·9	984·0	983·6	983·0	982·6	985·0
12	982·1	981·6	980·9	980·6	980·6	981·0	981·4	981·4	981·3	981·5	981·6	981·9	982·1	982·2	982·4	982·6	982·4	982·9	983·5	983·8	984·2	984·2	984·2	984·2	982·2
13	984·2	984·7	984·6	984·5	984·5	984·7	984·7	985·1	985·0	985·0	984·9	984·9	984·9	984·8	984·7	984·6	984·3	984·2	984·0	984·1	984·2	983·6	983·5	983·3	984·5
14	982·9	982·5	982·3	982·0	981·6	981·6	981·7	981·7	981·9	981·9	982·1	982·2	982·2	982·3	982·3	982·3	982·6	982·8	983·0	983·2	983·6	983·7	983·8	983·7	982·5
15	983·6	983·7	983·6	983·7	984·1	984·6	984·7	984·7	984·7	985·1	985·0	985·3	985·5	985·4	985·4	985·7	985·5	985·6	985·9	986·3	986·8	987·0	987·1	986·9	985·2
16	987·2	987·2	987·3	987·5	987·7	987·9	988·1	988·1	988·4	988·5	988·6	988·6	988·6	988·6	988·7	988·6	988·7	988·7	989·1	989·2	988·7	989·0	989·0	988·6	988·3
17	988·5	988·2	987·5	987·1	986·9	986·8	986·7	986·7	986·2	986·2	985·9	985·5	985·1	984·9	984·4	984·1	983·9	983·9	984·9	985·7	986·1	986·6	987·2	987·7	986·1
18	988·0	988·2	988·3	988·5	988·6	989·0	989·1	989·2	989·0	988·6	988·8	988·5	988·2	988·1	987·9	987·8	987·7	987·5	987·5	988·0	987·7	987·2	986·7	986·7	988·1
19	986·3	985·9	985·4	984·4	984·1	983·8	983·9	983·3	982·8	982·2	982·2	981·6	981·0	980·4	979·9	980·0	980·0	980·1	980·4	980·6	980·9	981·5	982·0	982·2	982·4
20	982·2	982·1	982·4	982·6	982·7	983·0	983·4	984·0	984·0	984·6	984·7	983·9	984·3	984·1	984·2	984·1	984·2	984·3	984·6	984·9	984·9	984·9	984·7	984·8	983·8
21	984·6	984·6	984·8	985·0	985·5	986·2	986·7	987·1	987·4	987·6	988·1	988·3	988·4	988·8	988·9	989·1	990·6	989·8	990·6	991·2	991·8	992·4	992·5	992·9	988·3
22	993·3	993·5	993·6	994·1	994·5	995·1	995·5	995·8	995·9	996·4	996·6	996·6	996·9	997·1	997·1	997·3	997·4	997·8	998·2	998·3	998·3	998·4	997·9	997·9	996·3
23	997·4	997·0	997·0	996·4	996·3	996·6	996·8	996·4	996·2	996·3	996·3	996·0	995·9	995·6	995·3	994·8	994·4	994·5	994·9	995·4	995·1	995·4	995·2	994·9	995·9
24	994·9	995·0	995·0	995·1	995·4	995·5	995·8	996·0	996·0	995·8	996·5	996·5	996·4	996·6	997·2	997·5	998·1	998·2	998·3	998·6	998·5	998·5	998·5	998·3	996·7
25	997·8	997·3	997·3	997·5	997·9	998·0	998·3	998·6	998·9	999·3	999·8	000·0	000·1	999·9	000·1	000·2	000·3	000·5	000·9	001·3	001·4	001·7	001·7	001·9	999·5
26	001·9	001·6	001·6	001·3	001·5	001·7	002·1	002·2	001·9	001·9	001·7	001·7	001·5	001·3	001·0	000·8	000·7	000·4	000·4	000·6	000·5	000·7	000·7	000·6	001·3
27	000·6	000·6	000·4	000·3	000·2	000·4	000·4	000·4	000·1	999·9	000·0	999·5	999·3	999·2	998·7	998·6	998·5	998·3	998·5	998·6	998·7	998·9	998·8	998·8	999·6
28	998·8	998·8	998·8	998·7	998·7	998·7	998·8	998·7	998·6	998·6	998·5	998·2	998·2	998·0	997·7	997·5	997·6	997·5	997·8	998·1	998·4	998·3	998·4	998·5	998·3
29	998·5	998·3	997·9	998·0	998·1	998·2	998·4	998·5	998·4	998·1	998·2	997·7	997·1	996·9	996·6	996·2	995·8	995·7	995·7	995·6	995·1	994·7	994·7	994·6	997·0
30	994·3	993·9	993·5	993·0	992·4	992·8	992·9	992·9	993·0	992·5	992·3	992·4	991·8	991·7	991·7	992·1	991·3	991·9	991·9	992·3	991·4	990·0	989·8	990·5	992·3
31	991·3	991·8	991·9	991·8	991·4	991·5	991·7	992·2	992·0	992·1	991·9	992·0	992·0	991·9	991·4	991·0	990·9	991·5	991·7	991·7	991·8	992·1	992·1	992·0	991·7
Mean (Station Level)	989 ·01	988 ·87	988 ·73	988 ·60	988 ·57	988 ·74	988 ·86	988 ·86	988 ·78	988 ·76	988 ·81	988 ·72	988 ·67	988 ·60	988 ·57	988 ·55	988 ·58	988 ·72	989 ·02	989 ·30	989 ·40	989 ·48	989 ·47	989 ·48	988 ·87
Mean (Sea Level)	1017 ·46	1017 ·36	1017 ·24	1017 ·10	1017 ·17	1017 ·20	1017 ·21	1017 ·12	1016 ·87	1016 ·77	1016 ·77	1016 ·63	1016 ·55	1016 ·45	1016 ·43	1016 ·41	1016 ·49	1016 ·71	1017 ·14	1017 ·55	1017 ·71	1017 ·84	1017 ·87	1017 ·91	1017 ·07
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

175 ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres — SEPTEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	991·8	991·9	991·6	991·6	992·0	992·2	992·4	992·0	992·1	991·6	991·4	991·2	990·9	990·5	990·4	990·4	988·8	988·6	988·6	988·6	987·9	987·5	987·0	986·4	990·4
2	985·6	985·2	984·6	983·8	983·7	983·6	983·2	983·0	983·1	982·9	982·7	982·6	982·6	982·6	982·6	982·2	982·0	981·8	981·8	981·9	981·7	981·5	981·2	980·7	982·9
3	980·4	979·6	978·6	978·0	978·0	977·3	977·1	977·0	976·3	976·1	975·6	975·2	974·6	974·5	974·5	973·5	973·2	973·7	973·4	973·3	973·1	973·0	972·6	972·4	975·6
4	972·2	971·8	971·4	970·8	970·7	970·5	970·3	970·1	969·7	969·2	969·0	968·8	968·2	968·0	968·0	967·8	967·5	967·3	967·2	967·2	966·8	966·3	966·1	966·0	968·9
5	965·6	965·4	965·4	965·4	965·5	965·8	966·0	966·3	966·5	966·6	966·8	967·0	967·1	967·0	967·1	967·1	967·6	968·3	969·0	969·9	970·2	970·6	970·7	970·8	967·3
6	971·0	971·0	971·0	971·3	971·9	972·4	973·1	973·6	973·9	974·3	974·2	973·9	974·0	973·8	973·3	972·8	972·5	971·6	970·9	969·5	967·9	966·6	964·7	963·5	971·5
7	962·2	960·4	959·0	958·9	958·7	958·6	958·8	959·5	959·5	959·2	959·1	959·7	960·0	960·2	960·5	960·4	960·1	960·4	960·5	960·5	961·1	961·5	961·6	961·9	960·1
8	961·8	961·8	962·3	963·1	964·3	965·9	967·4	969·2	971·0	972·6	974·0	975·1	976·2	976·7	977·8	978·9	979·6	980·4	981·4	982·1	982·6	983·0	983·5	983·9	973·5
9	984·0	984·1	984·2	984·4	984·5	985·1	985·3	985·5	985·4	985·4	985·6	985·5	985·3	985·1	984·7	984·4	984·5	984·6	984·8	985·1	985·4	985·4	985·3	985·2	984·9
10	985·3	985·2	985·4	985·4	985·3	985·7	986·0	986·2	986·6	986·7	986·9	987·0	987·0	987·0	987·1	987·0	987·1	987·3	987·7	987·8	988·0	988·0	988·0	987·9	986·7
11	987·9	987·8	987·5	987·4	987·5	987·6	987·8	987·8	987·7	987·6	987·6	987·4	987·2	986·7	986·3	986·0	985·7	985·4	935·3	985·0	984·8	984·4	984·0	983·9	986·6
12	983·5	983·3	982·9	982·5	982·3	982·3	982·4	982·4	982·6	982·8	982·8	982·7	982·6	982·6	982·7	982·8	983·3	983·7	984·7	985·5	986·0	986·3	986·7	987·2	983·5
13	987·3	987·4	987·6	987·9	988·0	988·5	988·7	989·1	989·3	989·7	989·5	989·5	989·5	989·4	989·2	989·1	989·2	989·3	989·8	990·2	990·1	990·2	990·1	989·8	989·0
14	989·4	989·3	989·3	989·2	989·1	989·4	989·5	989·7	990·0	990·2	989·8	989·7	989·7	989·4	989·7	990·4	990·9	991·1	991·9	992·4	992·6	993·0	993·4	993·6	990·5
15	993·7	994·1	994·4	994·7	995·0	995·5	995·8	996·3	997·0	997·5	997·6	997·9	998·0	998·1	997·9	998·6	999·1	999·3	999·5	000·2	000·4	000·9	001·0	000·9	997·5
16	000·7	001·0	001·2	001·4	001·6	002·1	002·3	002·5	002·8	002·7	002·8	002·6	002·4	002·3	002·3	002·2	002·4	002·7	002·8	002·9	003·0	003·0	002·6	002·4	002·2
17	002·4	002·3	002·1	001·8	001·4	001·5	002·1	002·0	001·9	001·4	000·6	000·2	999·8	999·3	998·8	998·9	998·8	999·0	998·9	999·1	998·6	998·2	998·0	997·5	000·3
18	997·1	996·8	996·5	996·1	995·8	995·5	995·2	995·0	994·8	994·2	994·1	993·6	993·8	993·1	993·1	992·9	992·9	993·4	993·9	994·3	994·5	994·5	994·5	994·7	994·6
19	994·8	994·8	995·1	995·2	995·5	996·3	996·7	997·2	997·5	997·8	997·6	997·8	997·8	997·8	997·8	997·9	997·9	998·2	998·7	999·2	999·2	999·5	999·4	999·4	997·4
20	998·9	998·9	998·8	998·7	998·5	998·5	999·0	999·1	999·2	999·0	998·6	998·1	997·7	997·3	996·7	996·5	996·7	996·4	996·2	996·2	996·1	995·8	995·5	995·0	997·7
								998·8																	
21	994·7	994·2	993·8	993·6	993·3	993·2	993·1	993·4	993·6	993·8	994·1	994·0	993·9	994·1	994·0	994·0	994·5	994·9	995·3	996·1	996·4	997·0	997·2	997·4	994·5
22	997·5	997·7	997·9	997·8	997·8	998·1	998·3	998·5	998·8	998·7	998·6	998·8	998·5	998·3	998·5	998·8	998·9	999·2	999·4	999·8	999·6	999·8	000·0	999·8	998·7
23	999·9	999·9	999·6	999·2	998·6	998·6	998·7	998·6	998·6	998·5	998·4	997·6	997·0	996·3	995·4	994·6	994·0	993·7	993·5	993·3	992·9	992·5	992·0	991·4	996·5
24	991·0	990·4	989·6	988·9	988·4	987·9	987·6	987·3	987·4	986·6	986·2	985·4	984·6	984·1	983·2	982·6	982·4	982·4	982·2	982·0	981·6	981·2	980·9	980·0	985·4
25	979·5	979·1	978·8	979·0	978·9	979·1	980·2	981·1	982·2	982·9	984·0	985·2	985·9	986·4	987·5	988·1	989·2	989·9	990·3	990·9	991·6	992·2	992·5	992·9	985·0
26	993·2	993·1	993·3	993·5	993·3	993·8	994·5	995·1	995·2	995·4	995·0	994·5	994·1	993·9	993·1	992·5	992·2	991·7	991·2	990·9	989·7	989·1	988·2	987·3	992·8
27	986·0	984·1	982·5	981·1	979·9	979·6	980·1	980·5	981·2	981·5	981·5	982·3	982·1	982·7	983·5	984·6	985·3	986·3	987·2	988·3	988·8	989·2	990·1	990·9	984·1
28	991·4	991·6	992·2	993·0	993·4	994·3	994·9	995·8	996·0	996·4	996·7	996·9	996·8	997·1	997·2	997·4	997·5	998·0	998·3	998·8	998·8	998·8	999·2	999·0	996·1
29	998·9	998·8	998·3	998·2	998·1	998·2	998·4	998·3	998·4	998·5	998·3	998·4	998·3	998·2	998·1	998·1	998·3	998·4	998·3	998·5	998·5	998·5	998·5	998·4	998·4
30	998·2	997·9	997·6	997·7	997·5	997·6	997·9	997·9	998·0	997·9	997·8	997·7	997·5	997·4	997·1	996·9	997·2	997·2	997·2	997·7	997·8	997·6	997·5	997·3	997·6
Mean (Station Level)	987 ·53	987 ·30	987 ·08	986 ·99	986 ·95	987 ·16	987 ·43	987 ·67	987 ·88	987 ·92	987 ·90	987 ·88	987 ·76	987 ·66	987 ·60	987 ·58	987 ·64	987 ·81	988 ·00	988 ·24	988 ·18	988 ·17	988 ·07	987 ·92	987 ·68
Mean (Sea Level)	1016 ·00	1015 ·77	1015 ·55	1015 ·47	1015 ·43	1015 ·65	1015 ·88	1016 ·03	1016 ·14	1016 ·08	1016 ·00	1015 ·92	1015 ·78	1015 ·66	1015 ·62	1015 ·65	1015 ·78	1016 ·05	1016 ·35	1016 ·64	1016 ·59	1016 ·60	1016 ·52	1016 ·40	1015 ·98

176 ESKDALEMUIR: H_b = 237·3 metres — OCTOBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	997·1	997·1	996·7	996·9	996·8	996·8	996·9	997·2	997·4	997·4	997·3	997·2	997·1	997·0	996·7	996·5	996·9	997·0	997·3	997·4	997·5	997·8	997·7	997·9	997·1
2	997·5	997·4	997·4	997·3	997·2	997·2	997·4	997·9	998·2	998·2	998·1	998·1	997·8	997·7	997·3	997·3	997·5	997·8	997·9	997·9	997·8	998·0	997·9	998·0	997·7
3	997·7	997·3	997·0	996·7	997·0	997·0	997·0	997·0	996·8	996·7	996·4	995·9	995·2	994·7	994·3	993·9	993·6	993·4	993·6	993·5	993·3	993·0	992·6	992·3	995·4
4	991·9	991·8	991·3	990·9	990·5	990·2	990·3	990·3	990·4	990·4	990·4	990·9	990·8	990·1	989·8	989·8	989·9	990·0	990·3	990·7	990·5	990·6	990·6	990·5	990·6
5	990·5	990·5	990·8	990·8	990·9	991·1	991·4	991·7	991·8	991·8	992·2	992·7	992·8	993·0	993·1	993·1	993·4	993·9	994·6	995·1	995·3	995·6	995·6	995·9	992·7
6	996·2	996·2	996·3	996·2	996·7	997·1	997·5	997·8	997·8	997·9	997·9	997·8	997·5	997·5	997·2	997·0	997·3	997·5	997·9	998·1	998·2	998·2	998·2	998·2	997·4
7	998·2	998·1	998·0	997·8	997·7	997·8	997·9	997·9	997·9	998·1	997·9	997·6	997·2	996·9	996·5	996·5	996·6	996·9	997·1	997·2	997·4	997·3	997·2	997·1	997·5
8	996·9	996·5	996·3	996·3	996·2	996·2	996·3	996·3	996·2	996·1	996·2	995·8	995·6	995·5	995·4	995·4	995·4	995·7	996·1	996·3	996·4	996·5	996·7	996·9	996·1
9	996·7	996·7	996·6	996·7	996·7	997·0	997·3	997·8	997·9	998·1	997·9	997·7	997·3	997·0	996·7	996·7	997·2	997·5	997·5	997·7	997·7	997·7	997·7	997·8	997·3
10	997·9	997·7	997·4	997·5	997·9	998·0	998·3	998·5	998·5	998·6	998·5	998·6	998·2	997·9	997·7	997·7	997·9	998·3	998·3	998·4	998·4	998·3	998·3	998·3	998·1
11	998·3	998·0	997·9	997·5	997·4	997·6	997·6	997·9	998·2	998·3	998·3	997·7	997·5	997·5	997·5	997·5	997·5	997·8	998·0	998·0	997·9	997·7	997·4	997·3	997·8
12	997·2	996·9	996·9	996·5	996·5	996·4	996·3	996·2	996·1	995·4	994·8	993·8	992·8	992·2	991·3	990·9	989·9	990·2	989·9	989·1	988·3	987·8	987·5	988·3	993·2
13	988·3	988·4	988·4	988·3	988·5	988·5	989·2	989·7	989·7	989·7	989·7	989·6	989·3	989·3	989·3	989·0	989·0	988·2	987·5	987·1	986·3	986·4	986·5	986·7	988·5
14	982·8	981·3	980·1	979·0	978·4	978·1	978·3	978·2	978·4	979·0	979·1	979·3	979·5	980·0	980·8	980·9	981·9	982·5	982·8	983·0	983·5	983·0	982·5	982·1	980·6
15	982·1	981·2	980·6	980·9	980·7	980·6	981·4	982·0	982·1	981·7	982·4	982·5	982·5	982·6	982·8	982·6	982·7	983·3	984·0	984·3	984·5	984·5	984·6	984·6	982·5
16	984·6	984·4	984·2	984·2	983·7	984·1	984·5	984·8	985·2	984·8	985·6	985·8	985·5	985·3	985·4	985·5	986·0	986·6	986·4	985·7	985·0	984·0	982·7	981·7	984·9
17	980·3	978·5	976·5	977·8	977·4	977·0	976·1	975·5	974·3	973·6	973·4	974·1	974·2	974·2	974·2	973·6	972·8	972·3	972·1	971·5	971·4	971·4	972·0	972·3	974·6
18	972·8	974·1	974·2	974·9	975·8	976·8	978·4	980·6	982·0	982·7	983·5	984·4	985·0	985·2	985·7	986·2	986·2	986·6	986·4	985·8	984·6	983·9	982·3	980·4	981·4
19	978·6	976·6	974·5	973·0	971·5	971·1	970·9	971·2	971·5	972·7	974·1	976·0	977·8	979·2	980·4	981·5	982·5	983·8	985·0	986·1	987·1	987·2	987·2	988·2	978·5
20	988·6	989·1	989·5	990·0	990·5	991·1	991·5	991·8	992·1	992·4	992·6	992·5	992·3	991·8	991·6	990·9	990·8	990·3	989·8	990·5	990·2	990·2	989·6	989·6	990·8
21	988·1	989·3	989·0	988·6	988·2	988·4	989·0	989·6	990·3	990·6	990·4	990·4	990·3	989·9	989·4	989·4	989·4	990·3	990·5	990·9	991·0	991·5	991·2	991·3	989·8
22	991·3	991·1	990·9	991·1	991·5	991·5	991·8	992·4	992·4	992·4	992·3	992·0	991·5	991·3	991·2	991·0	990·7	990·4	990·3	990·0	989·8	989·3	988·5	988·2	991·0
23	987·6	986·5	986·5	985·8	985·1	984·6	984·1	983·8	983·2	982·6	982·3	982·8	983·3	983·3	983·4	983·5	983·8	984·2	984·6	984·7	984·5	984·5	984·2	984·3	984·4
24	983·7	983·9	983·5	983·2	982·8	982·5	982·2	981·9	981·2	979·8	978·4	976·9	975·5	974·0	971·6	969·9	968·9	968·0	966·9	965·2	964·1	962·5	962·2	962·0	975·1
25	961·9	961·9	962·2	962·1	962·1	962·2	963·1	963·3	963·4	963·6	964·2	964·8	964·7	964·8	965·4	965·5	965·7	967·1	967·8	968·4	969·7	969·5	969·3	969·3	964·9
26	969·6	969·3	969·0	968·8	968·3	968·0	967·4	966·7	965·3	963·6	961·7	959·3	957·7	955·6	954·3	953·2	952·8	952·9	953·0	952·1	951·1	950·9	951·2	952·5	960·1
27	953·6	955·4	956·4	957·9	959·6	961·2	962·5	964·0	965·1	966·2	966·3	967·0	966·9	966·7	967·1	967·1	968·2	968·1	968·4	968·9	969·5	970·9	972·1	973·5	964·7
28	975·1	976·4	976·8	978·1	979·7	980·7	982·1	983·8	985·3	986·3	986·8	987·9	988·6	989·7	990·0	991·0	992·1	992·9	992·9	993·8	993·9	994·2	994·1	993·9	986·5
29	993·7	993·5	993·3	992·6	992·6	992·0	991·8	991·5	991·1	990·8	990·3	989·8	989·9	989·3	988·9	988·9	989·0	989·5	989·3	989·4	989·5	989·6	989·9	990·1	990·8
30	990·1	990·0	990·2	990·1	990·1	990·2	990·3	990·5	990·4	990·3	989·9	989·8	989·5	989·2	989·0	988·9	988·9	989·4	990·1	990·1	990·1	990·3	990·5	990·7	989·9
31	990·9	991·3	991·3	991·8	992·0	992·4	993·0	993·6	993·8	994·1	994·4	994·2	994·2	994·3	994·4	994·7	995·0	995·3	995·5	995·5	995·7	995·7	995·8	995·8	993·8
Mean (Station Level)	987· ·09	986 ·98	986 ·77	986 ·75	986 ·77	986 ·88	987 ·15	987 ·47	987 ·55	987 ·55	987 ·53	987 ·51	987 ·35	987 ·18	987 ·05	986 ·95	987 ·08	987 ·37	987 ·50	987 ·51	987 ·45	987 ·35	987 ·18	987 ·20	987 ·22
Mean (Sea Level)	1016 ·05	1015 ·95	1015 ·74	1015 ·73	1015 ·74	1015 ·84	1016 ·12	1016 ·35	1016 ·29	1016 ·17	1016 ·11	1016 ·10	1015 ·90	1015 ·71	1015 ·58	1015 ·54	1015 ·74	1016 ·12	1016 ·32	1016 ·38	1016 ·33	1016 ·28	1016 ·12	1016 ·16	1016 ·01
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

177 ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres — NOVEMBER, 1936

Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	995·2	994·8	994·4	993·6	993·5	993·3	992·8	992·2	991·2	990·2	989·1	987·8	986·6	985·0	983·7	982·9	982·9	982·8	983·0	983·3	983·7	983·9	984·2	984·9	988·4
2	985·5	985·7	986·4	987·5	988·5	989·3	990·4	991·0	991·0	991·0	991·0	990·2	989·9	989·1	988·5	988·0	987·6	986·9	985·8	984·6	983·9	983·5	983·0	982·1	987·6
3	981·6	982·2	982·1	982·1	982·1	982·2	982·4	982·6	982·7	982·8	982·6	982·3	982·2	981·9	981·9	982·1	982·3	982·3	982·4	982·2	981·9	981·8	981·6	981·3	982·2
4	981·0	980·8	980·4	980·1	980·0	979·9	979·8	979·6	979·6	979·7	979·9	979·9	979·8	979·5	979·0	978·9	978·4	977·7	976·8	976·2	976·2	975·8	975·2	974·8	978·3
5	974·4	973·7	972·5	971·7	971·3	970·4	970·1	969·5	968·7	967·9	967·4	966·0	965·1	964·3	963·8	963·5	963·5	963·8	964·0	964·3	964·3	964·2	964·0	964·2	967·4
6	964·3	963·7	963·0	962·5	961·5	961·3	960·7	960·3	959·8	959·7	957·6	956·8	956·0	955·2	954·7	953·8	953·5	952·8	952·1	951·5	950·7	949·6	949·0	948·8	956·9
7	945·7	945·1	944·7	944·5	944·3	943·9	944·0	944·1	943·9	943·0	942·6	942·1	941·6	941·1	940·3	939·9	939·4	938·3	937·3	936·6	936·2	937·3	938·9	940·0	941·6
8	940·2	940·7	941·0	941·2	941·6	941·8	942·2	942·6	943·2	943·0	943·2	944·0	944·4	945·0	945·7	946·2	946·9	947·3	947·7	947·8	948·0	947·9	947·8	947·8	944·3
9	947·9	948·5	948·6	948·8	949·0	949·0	949·2	949·2	949·6	949·8	950·0	950·2	950·9	951·6	952·8	953·5	955·2	956·4	957·7	958·5	959·4	960·0	960·5	961·2	952·5
10	961·2	961·8	961·8	962·1	962·3	962·9	963·4	963·8	964·3	964·6	964·8	964·8	964·9	965·1	965·4	965·9	966·3	966·5	966·9	967·2	967·6	968·1	968·6	969·1	964·8
11	969·4	969·6	969·9	969·9	969·5	969·7	969·7	969·8	969·7	969·5	969·3	968·5	967·9	967·0	965·5	964·7	963·9	962·7	962·1	961·1	959·8	959·4	958·8	958·3	966·3
12	957·6	957·0	956·6	957·1	957·5	957·8	958·9	960·0	961·6	962·4	963·7	964·2	964·7	965·2	965·5	967·6	969·7	971·5	972·7	973·9	975·1	976·7	978·0	978·4	965·1
13	979·3	980·1	981·0	982·1	982·6	983·8	984·9	985·7	986·1	986·6	987·2	987·2	987·3	987·4	987·7	988·0	988·0	987·9	987·7	987·8	987·7	987·4	987·1	986·3	985·5
14	985·7	985·1	984·4	983·5	982·6	982·0	982·2	981·6	981·3	981·0	981·2	981·9	982·0	982·4	983·0	983·4	983·9	985·0	985·5	986·4	987·1	987·8	988·0	988·3	983·9
15	968·3	968·1	967·9	967·1	966·3	965·0	963·3	962·0	961·1	979·6	978·0	977·8	977·5	977·7	977·9	977·7	978·0	977·8	977·2	976·6	976·4	976·2	975·5	975·4	980·6
16	975·2	976·0	976·1	977·0	977·0	978·2	979·4	979·6	980·4	980·8	981·4	981·3	981·2	981·4	981·2	981·1	980·9	981·0	980·9	980·7	979·9	980·0	980·1	979·5	979·5
17	978·7	978·4	977·6	977·5	977·0	976·4	976·1	976·2	976·2	976·0	976·2	976·2	976·6	978·2	980·0	981·2	982·5	983·7	984·6	985·4	986·0	986·5	987·4	988·2	979·9
18	989·0	989·9	990·4	990·8	991·3	992·2	993·2	994·1	995·1	995·4	995·5	995·0	995·1	995·2	995·6	996·0	996·6	996·6	997·3	997·3	997·7	997·5	997·5	997·4	994·5
19	997·4	997·4	997·3	997·3	997·3	997·6	997·8	998·1	998·3	998·8	999·0	999·0	999·3	999·2	999·0	999·3	000·3	000·8	000·9	001·5	002·2	002·6	002·6	002·7	999·3
20	003·0	003·2	003·7	003·9	004·2	004·5	004·5	005·1	005·5	005·8	005·8	006·1	005·9	006·6	005·3	005·5	005·5	005·8	006·1	006·1	006·1	006·2	006·3	006·3	005·2
21	006·1	005·9	005·8	005·5	005·4	005·4	005·2	005·0	004·9	004·5	004·8	004·7	004·6	004·0	003·5	003·0	003·0	002·9	002·8	002·9	002·7	002·4	002·4	002·1	004·2
22	002·0	001·6	001·4	001·2	000·7	000·4	000·2	000·3	000·2	000·1	999·9	999·6	999·0	998·4	998·1	997·6	997·8	997·8	997·3	997·2	996·8	996·5	996·3	996·0	999·1
23	995·7	995·6	995·2	994·6	994·6	994·2	994·1	994·0	993·4	993·2	992·6	991·7	991·0	990·6	989·9	989·9	989·6	989·2	988·4	988·3	988·2	987·9	987·8	987·5	991·7
24	987·2	986·9	986·6	986·4	986·6	986·6	987·1	987·5	987·9	988·2	988·4	988·4	988·4	988·5	988·8	989·3	989·7	990·3	991·0	991·4	991·7	992·1	992·1	992·3	988·8
25	992·3	992·6	992·8	993·0	993·4	993·2	993·6	993·9	994·2	994·6	994·2	993·7	993·6	993·5	993·4	993·5	993·7	993·7	993·7	993·7	993·6	993·3	993·4	993·2	993·5
26	993·1	992·7	992·4	992·0	991·8	991·6	991·6	991·6	991·5	991·5	991·1	990·7	990·3	990·0	990·2	990·1	990·2	990·2	990·2	990·3	990·3	990·4	990·5	990·6	991·1
27	990·4	990·5	990·5	990·5	990·4	990·4	990·4	990·4	990·6	990·6	990·5	990·3	990·1	990·0	989·8	989·8	990·0	990·2	990·3	990·5	990·8	991·3	991·4	991·8	990·4
28	992·3	992·9	993·5	993·9	994·4	994·6	995·2	996·0	996·6	996·9	996·8	996·8	996·8	996·3	996·6	996·3	995·7	996·1	996·1	995·7	994·6	994·1	992·9	991·9	995·1
29	991·1	990·5	988·1	988·3	987·4	985·7	985·4	984·7	985·4	984·6	984·6	984·3	983·6	983·2	983·4	983·4	983·6	983·6	983·6	983·2	982·5	981·9	979·9	980·5	984·9
30	980·5	980·3	979·4	978·6	978·1	977·5	977·3	977·7	978·0	977·9	977·8	977·3	976·3	976·2	976·6	976·7	977·0	977·5	977·4	978·2	978·6	979·2	979·6	979·8	978·1
Mean (Station Level)	981 ·04	981 ·04	980 ·85	980 ·81	980 ·74	980 ·69	980 ·84	980 ·94	981 ·07	980 ·95	980 ·87	980 ·63	980 ·42	980 ·28	980 ·23	980 ·30	980 ·52	980 ·64	980 ·65	980 ·68	980 ·66	980 ·71	980 ·68	980 ·62	980 ·71
Mean (Sea Level)	1010 ·15	1010 ·15	1009 ·96	1009 ·92	1009 ·87	1009 ·83	1009 ·97	1010 ·08	1010 ·15	1009 ·95	1009 ·79	1009 ·50	1009 ·25	1009 ·08	1009 ·07	1009 ·22	1009 ·50	1009 ·64	1009 ·66	1009 ·69	1009 ·69	1009 ·77	1009 ·74	1009 ·70	1009 ·73

178 ESKDALEMUIR: H_b = 237·3 metres — DECEMBER, 1936

Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	980·0	981·0	981·3	981·9	982·3	982·7	983·4	983·8	983·4	983·8	983·7	983·3	982·8	982·3	982·5	982·2	981·8	982·2	981·8	981·7	980·9	980·7	980·1	979·2	982·0
2	978·7	978·1	977·2	976·3	976·1	975·3	974·8	974·1	974·4	974·1	972·9	972·3	972·1	973·6	975·5	976·7	977·2	977·5	978·4	979·0	979·3	979·4	979·8	979·4	976·3
3	979·6	979·2	979·2	978·7	978·5	978·5	978·3	977·8	977·6	977·6	977·1	976·4	975·2	975·0	974·3	973·5	971·3	971·2	970·7	969·5	967·5	966·0	964·7	964·3	974·6
4	964·4	964·4	964·5	965·0	965·7	967·1	968·1	970·5	972·7	975·1	976·7	978·4	979·3	980·0	980·4	981·1	981·8	981·8	981·3	980·5	979·6	978·4	977·4	976·1	974·3
5	974·7	973·5	972·4	971·4	970·8	970·6	970·0	970·4	970·2	970·1	969·9	969·7	969·6	968·7	968·1	968·1	967·1	967·3	967·0	967·3	967·5	967·4	966·8	966·5	969·6
6	967·0	967·7	968·5	970·0	971·4	972·3	974·0	974·8	976·2	977·5	978·7	979·8	980·7	982·4	984·1	986·8	989·1	990·2	991·3	993·7	995·1	996·1	997·1	997·6	981·1
7	981·1	997·8	998·2	999·2	999·8	999·6	000·2	000·3	000·4	000·4	000·3	000·0	999·7	999·2	998·7	998·7	998·4	997·8	997·7	997·2	996·6	996·1	995·1	993·8	998·5
8	992·3	991·0	990·1	989·2	988·8	987·9	988·7	989·7	991·2	991·8	992·3	991·8	992·4	993·0	993·4	993·3	993·5	994·2	995·3	995·7	995·6	996·1	996·3	996·7	992·5
9	997·1	997·2	997·7	998·5	998·2	998·5	998·9	999·2	999·7	000·2	000·1	999·9	999·9	999·4	999·3	999·4	999·4	999·4	999·3	999·2	999·2	999·0	998·9	998·8	999·0
10	998·6	998·1	997·9	997·7	997·2	996·9	996·6	996·6	996·7	996·7	996·0	995·4	994·5	993·6	993·1	992·6	992·5	992·1	991·9	991·2	990·5	990·4	989·5	989·1	994·6
11	987·9	987·2	986·3	985·3	984·3	983·5	983·1	982·2	981·5	981·1	980·6	979·7	979·0	978·4	977·9	977·6	977·3	977·3	977·3	977·2	977·2	977·2	977·6	977·5	980·8
12	977·2	977·2	977·1	977·1	977·1	977·1	977·2	977·3	978·1	978·5	978·8	978·5	978·1	978·0	978·0	978·0	978·0	978·1	978·0	978·0	977·7	977·4	977·3	976·9	977·7
13	976·4	976·1	976·1	976·2	976·2	976·0	975·4	975·0	974·9	974·0	972·9	971·5	969·7	967·6	965·6	963·5	961·5	958·7	955·8	952·9	950·6	947·8	945·6	943·0	966·7
14	941·2	940·2	940·2	940·1	940·0	940·2	940·7	941·2	942·4	943·7	944·4	945·3	945·5	945·9	946·6	947·4	948·5	949·0	949·8	950·9	951·9	953·2	954·5	955·9	945·5
15	957·0	958·2	959·7	961·4	962·9	964·0	965·1	966·3	967·6	967·8	968·2	968·8	968·6	967·8	967·3	966·6	966·0	964·7	962·3	960·8	959·2	957·0	954·8	953·2	963·2
16	950·8	950·5	950·2	950·5	951·4	952·1	952·8	953·6	955·1	955·6	956·1	956·7	957·0	957·5	958·0	959·3	960·3	961·5	962·7	964·0	965·6	966·8	967·9	969·1	957·4
17	970·3	969·8	969·8	969·9	970·2	970·0	969·4	968·0	966·5	965·3	964·2	962·4	961·0	959·5	958·6	958·6	958·3	958·7	959·3	959·9	960·5	961·7	962·9	963·9	964·2
18	965·2	965·5	966·0	966·3	966·3	966·2	965·2	964·4	964·6	966·4	967·9	968·2	968·8	969·8	970·4	971·9	973·4	975·2	976·3	977·7	978·7	979·6	980·8	981·2	970·3
19	981·6	982·4	983·7	984·9	985·3	986·2	986·7	987·4	988·2	988·4	988·4	988·6	988·3	988·1	987·4	986·5	985·3	984·2	984·1	984·3	984·9	984·9	985·1	984·4	985·7
20	983·5	982·8	982·1	981·8	981·9	981·7	981·2	981·0	981·4	981·2	981·4	980·9	980·4	980·4	980·1	980·0	980·4	980·2	979·9	980·3	980·6	980·8	981·1	981·4	981·2
21	981·8	981·6	981·7	981·7	982·1	982·2	982·6	982·8	983·3	983·8	984·2	984·0	984·0	984·0	983·6	983·3	983·6	983·4	983·4	983·5	983·7	983·2	983·3	983·4	983·0
22	983·5	984·0	984·8	986·0	986·4	987·0	986·0	988·6	989·2	989·9	990·7	990·9	991·1	991·4	992·0	992·7	993·5	994·2	994·8	996·1	996·8	997·6	998·4	999·3	990·8
23	000·1	000·8	002·0	002·5	003·1	003·7	004·4	005·0	005·6	006·0	006·2	006·0	005·8	005·0	004·9	005·2	005·0	005·0	005·1	004·8	004·5	004·2	003·4	002·9	004·1
24	002·5	002·3	001·9	001·8	001·2	000·9	001·1	001·3	001·5	001·6	001·6	001·0	000·5	000·4	000·3	000·6	000·1	000·3	000·5	001·0	000·8	001·0	000·9	000·9	001·1
25	000·9	001·0	001·6	001·9	001·7	001·6	002·5	002·7	003·7	004·1	004·4	004·4	004·5	004·5	004·8	005·2	005·2	005·4	005·7	005·6	005·4	005·3	005·2	005·0	003·8
26	004·9	004·9	004·5	004·3	004·2	004·1	004·2	004·2	004·3	004·5	004·5	004·1	003·9	003·6	003·5	003·4	003·2	003·1	003·1	003·1	002·8	002·7	002·5	002·4	003·8
27	002·2	001·9	001·5	001·1	000·8	000·5	000·4	000·4	000·3	000·3	000·1	999·4	998·6	998·3	998·1	997·8	997·4	997·2	996·9	996·5	996·0	995·6	995·0	994·5	999·0
28	994·1	993·8	993·1	992·6	991·9	991·2	991·0	991·0	990·5	990·7	989·8	989·0	988·5	988·0	987·3	986·9	986·4	986·0	985·4	985·0	984·6	984·0	983·2	982·6	988·8
29	982·0	981·1	980·8	980·2	979·3	978·7	978·2	978·2	978·2	978·3	978·3	977·8	977·5	977·6	978·3	980·0	981·4	982·3	983·3	984·5	985·4	986·3	986·7	987·3	980·8
30	987·3	988·4	988·6	988·7	988·9	988·8	988·6	988·4	988·8	989·0	988·8	988·1	987·6	987·1	987·1	987·1	986·8	986·5	986·5	985·9	985·4	984·8	984·1	983·5	987·4
31	983·4	983·0	982·5	982·1	981·6	981·4	981·6	982·1	982·3	982·4	982·2	982·0	982·4	982·3	981·0	981·3	980·9	980·4	980·4	980·0	979·8	979·3	978·9	978·8	981·4
Mean (Station Level)	982 ·07	981 ·95	981 ·97	982 ·07	982 ·11	982 ·15	982 ·33	982 ·53	982 ·92	983 ·22	983 ·27	983 ·04	982 ·81	982 ·66	982 ·59	982 ·75	982 ·73	982 ·75	982 ·75	982 ·80	982 ·71	982 ·58	982 ·42	982 ·21	982 ·56
Mean (Sea Level)	1011 ·16	1011 ·04	1011 ·07	1011 ·19	1011 ·24	1011 ·28	1011 ·49	1011 ·69	1012 ·08	1012 ·36	1012 ·38	1012 ·10	1011 ·82	1011 ·65	1011 ·60	1011 ·80	1011 ·78	1011 ·79	1011 ·81	1011 ·87	1011 ·78	1011 ·66	1011 ·50	1011 ·30	1011 ·65
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE AT STATION LEVEL AND AT SEA LEVEL
ANNUAL MEANS FROM HOURLY VALUES

179 **ESKDALEMUIR:** h_b = 237·3 metres — 1936

Hour G.M.T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
Station Level	982·88	982·77	982·63	982·58	982·57	982·65	982·79	982·92	983·01	983·03	983·04	982·92	982·78	982·64	982·56	982·54	982·60	982·73	982·88	983·03	983·08	983·12	983·11	983·06	982·83
Sea Level	011·78	011·68	011·55	011·50	011·49	011·55	011·63	011·68	011·68	011·62	011·57	011·39	011·22	011·05	010·99	011·00	011·11	011·31	011·53	011·76	011·86	011·95	011·97	011·94	011·53

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

180 **ESKDALEMUIR:** h_b = 237·3 metres — 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
Jan.	967·51	+0·03	+0·05	+0·09	+0·06	−0·04	−0·13	−0·18	+0·02	+0·27	+0·35	+0·48	+0·33	+0·17	−0·06	−0·05	−0·03	−0·09	−0·21	−0·23	−0·32	−0·39	−0·24	+0·02	+0·09
Feb.	976·85	+0·31	+0·17	+0·00	−0·15	−0·14	−0·17	−0·16	−0·08	+0·03	+0·06	+0·17	+0·03	−0·12	−0·24	−0·34	−0·34	−0·17	+0·05	+0·09	+0·05	+0·12	+0·22	+0·27	+0·36
Mar.	980·78	+0·30	+0·12	−0·09	−0·16	−0·20	−0·15	−0·01	+0·17	+0·22	+0·23	+0·21	+0·09	−0·05	−0·31	−0·51	−0·65	−0·57	−0·30	+0·02	+0·25	+0·27	+0·33	+0·41	+0·37
Apr.	986·81	+0·11	−0·01	−0·09	−0·15	−0·08	+0·14	+0·30	+0·36	+0·30	+0·29	+0·20	−0·02	−0·21	−0·33	−0·48	−0·60	−0·52	−0·36	−0·12	+0·17	+0·24	+0·31	+0·32	+0·22
May	989·83	+0·25	+0·15	+0·03	−0·04	+0·04	+0·16	+0·28	+0·31	+0·25	+0·19	+0·11	−0·03	−0·23	−0·43	−0·61	−0·63	−0·67	−0·48	−0·28	+0·06	+0·34	+0·42	+0·45	+0·36
June	987·12	+0·32	+0·11	−0·06	−0·15	−0·19	−0·11	+0·02	+0·06	+0·02	+0·00	+0·03	−0·06	−0·12	−0·21	−0·36	−0·41	−0·44	−0·35	−0·14	+0·13	+0·41	+0·53	+0·53	+0·46
July	977·99	−0·01	−0·13	−0·31	−0·36	−0·37	−0·26	−0·15	−0·07	−0·06	+0·03	−0·01	−0·05	−0·05	−0·08	+0·01	−0·01	−0·02	+0·05	+0·15	+0·31	+0·43	+0·43	+0·35	+0·17
Aug.	988·87	+0·31	+0·16	+0·01	−0·15	−0·19	−0·04	+0·07	+0·05	−0·05	−0·08	−0·05	−0·15	−0·22	−0·30	−0·35	−0·38	−0·37	−0·25	+0·03	+0·30	+0·39	+0·44	+0·42	+0·41
Sept.	987·68	−0·07	−0·31	−0·53	−0·63	−0·67	−0·47	−0·21	+0·03	+0·22	+0·26	+0·23	+0·20	+0·08	−0·03	−0·09	−0·13	−0·07	+0·09	+0·27	+0·51	+0·44	+0·42	+0·31	+0·15
Oct.	987·22	−0·15	−0·26	−0·47	−0·48	−0·46	−0·35	−0·07	+0·24	+0·33	+0·32	+0·31	+0·30	+0·14	−0·03	−0·17	−0·25	−0·13	+0·17	+0·30	+0·31	+0·25	+0·15	−0·02	+0·00
Nov.	980·71	+0·09	+0·11	−0·06	−0·08	−0·13	−0·15	+0·01	+0·14	+0·29	+0·19	+0·14	−0·09	−0·27	−0·41	−0·42	−0·32	−0·08	+0·06	+0·09	+0·15	+0·14	+0·22	+0·21	+0·18
Dec.	982·56	−0·51	−0·62	−0·60	−0·50	−0·46	−0·42	−0·23	−0·04	+0·36	+0·66	+0·71	+0·48	+0·25	+0·10	+0·03	+0·20	+0·18	+0·19	+0·20	+0·25	+0·16	+0·03	−0·13	−0·33
Year	982·83	+0·08	−0·04	−0·17	−0·23	−0·24	−0·16	−0·03	+0·10	+0·18	+0·21	+0·21	+0·09	−0·05	−0·19	−0·28	−0·29	−0·25	−0·11	+0·03	+0·18	+0·23	+0·27	+0·26	+0·20

† See page 23

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY
Maximum and Minimum for the interval 0h to 24h Greenwich Mean Time

181 **ESKDALEMUIR:** h_b = 237·3 metres — 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	959·1	956·8	961·7	954·8	971·5	960·2	982·3	979·2	999·8	997·2	985·1	982·2	975·9	973·8	980·3	977·8	992·6	986·4	997·9	996·4	995·8	982·8	983·9	979·2
2	962·1	956·7	969·3	955·4	979·9	971·5	994·0	982·3	000·3	998·3	987·1	985·1	975·9	973·8	977·8	965·7	986·4	980·7	998·3	997·1	991·2	982·1	979·9	972·0
3	973·5	962·0	983·0	967·9	983·4	978·7	994·2	991·9	000·5	997·6	986·5	984·7	979·1	976·4	981·0	972·4	980·7	972·4	998·1	992·3	982·8	981·3	979·7	964·2
4	982·2	973·4	989·7	983·0	984·0	974·8	996·9	992·9	998·0	987·0	993·5	985·5	981·1	979·0	987·2	981·0	972·4	966·0	992·3	989·7	981·3	974·8	982·0	963·8
5	981·8	960·0	995·2	989·7	975·5	973·9	000·0	996·6	987·0	981·8	993·4	986·9	986·0	981·0	990·4	987·1	970·9	965·3	995·9	990·4	974·8	963·3	976·1	966·5
6	980·0	955·9	998·9	995·1	979·4	974·1	999·6	988·7	988·8	981·9	986·9	980·8	986·2	981·0	994·4	986·5	974·3	963·5	998·3	995·8	964·4	948·8	997·6	965·8
7	966·2	958·6	001·0	998·7	979·3	973·4	990·8	988·1	994·2	988·4	987·5	980·6	981·0	977·4	997·1	994·3	963·5	958·4	998·3	996·4	946·8	936·1	000·5	993·8
8	967·4	960·0	000·1	993·5	982·4	975·9	995·8	990·2	993·9	990·6	991·6	987·5	979·7	976·0	996·2	990·0	984·0	961·7	997·2	995·3	948·1	940·0	996·7	987·5
9	963·6	934·5	993·5	985·6	983·5	979·2	998·0	995·7	991·3	988·9	991·2	985·9	979·9	978·7	990·0	987·1	985·9	983·9	998·1	996·5	961·2	947·8	000·3	996·6
10	965·6	942·3	993·2	988·3	986·6	983·4	997·8	993·2	990·6	988·8	990·7	985·8	980·0	978·9	987·8	985·4	988·1	985·1	998·7	997·3	969·1	961·2	998·8	989·1
11	991·7	965·6	990·4	983·1	986·1	983·0	993·2	985·4	990·6	988·3	990·0	983·2	979·1	976·9	986·6	982·6	988·0	983·9	998·4	997·3	970·0	958·3	989·1	977·1
12	993·5	989·8	992·5	987·8	987·7	984·3	996·2	983·2	990·1	987·7	988·5	983·2	977·1	971·4	984·4	980·5	987·2	982·2	997·3	987·3	978·4	956·6	978·8	976·9
13	994·4	988·6	992·2	987·2	993·0	988·5	984·7	979·8	990·2	986·3	989·3	987·4	974·2	969·9	985·2	983·3	990·3	987·2	989·8	984·1	988·1	978·4	976·9	943·0
14	998·8	994·3	987·3	974·1	995·0	992·9	979·8	977·7	989·4	985·3	987·4	977·9	974·2	969·7	983·9	981·7	993·7	988·9	983·8	978·0	988·3	980·8	955·9	940·0
15	998·3	983·2	974·1	969·4	996·5	993·5	978·3	973·3	985·3	983·1	981·6	974·9	972·0	966·5	987·2	983·5	001·1	993·5	984·7	980·5	968·4	975·4	968·9	953·2
16	983·2	973·9	970·2	968·2	996·3	991·9	977·4	973·0	986·7	982·0	984·4	973·8	984·3	972·0	989·3	986·9	008·2	000·6	986·7	981·7	981·5	975·1	969·2	949·6
17	973·9	957·9	968·2	962·8	993·2	990·8	985·8	977·2	990·3	984·3	993·1	984·2	984·1	973·3	988·6	983·8	002·7	997·5	981·8	971·2	988·2	975·8	970·4	958·1
18	966·3	958·8	962·8	945·6	993·6	989·6	986·4	982·8	000·0	990·1	998·3	993·1	973·3	966·7	989·3	986·6	997·5	992·7	986·7	972·3	997·7	988·2	981·3	963·9
19	967·2	963·3	964·7	947·2	989·6	979·7	984·9	980·8	000·0	994·1	998·1	989·8	972·1	967·6	986·7	979·8	999·5	994·7	988·2	970·8	002·8	997·2	988·8	980·8
20	963·3	942·3	978·5	964·7	980·9	978·1	980·9	977·7	996·8	985·5	989·8	986·2	978·9	971·6	985·1	982·0	999·4	994·8	992·7	988·2	006·4	002·7	984·6	979·6
21	963·0	944·8	978·5	966·6	981·4	976·3	979·3	970·0	995·9	990·7	987·4	984·9	982·1	978·9	993·0	984·5	997·5	993·0	991·5	987·9	006·3	002·1	984·4	981·4
22	965·1	962·4	972·3	967·4	976·4	968·8	985·9	974·8	990·7	978·6	987·3	985·2	983·7	981·7	998·5	992·8	000·1	997·3	992·5	988·2	002·1	996·0	999·3	983·4
23	975·9	965·1	967·9	961·8	971·4	969·5	986·3	977·4	990·0	982·7	993·5	987·1	981·7	964·7	998·0	994·3	000·0	991·4	988·2	982·2	996·0	987·5	006·3	999·3
24	975·8	969·9	989·9	967·9	983·4	970·8	982·8	977·1	990·7	987·3	993·7	991·8	970·0	961·5	998·7	994·8	991·4	980·0	984·3	961·5	992·3	986·3	002·9	999·9
25	969·9	961·3	995·1	989·2	983·8	981·6	981·5	978·8	993·1	987·5	994·6	992·7	977·5	970·0	002·0	997·2	992·9	978·7	969·9	961·5	994·7	992·2	005·8	000·1
26	963·8	960·1	989·2	965·9	981·6	978·2	988·3	979·3	994·0	992·5	993·7	991·0	983·2	977·5	002·3	000·3	995·6	987·3	989·8	949·5	993·2	989·9	005·0	002·4
27	982·7	956·3	985·9	981·1	979·0	977·3	998·1	988·2	997·8	993·2	992·3	990·6	986·8	983·2	000·7	998·2	990·9	979·6	973·5	952·3	991·8	989·7	002·4	994·5
28	961·5	957·3	966·9	963·1	981·0	978·3	997·8	993·8	997·3	985·9	991·4	986·0	987·6	985·9	998·9	997·5	999·3	990·9	994·4	973·5	997·1	991·9	994·5	982·6
29	962·0	958·8	967·0	961·2	980·1	965·3	999·4	996·5	986·0	978·0	986·2	978·5	993·8	987·5	998·7	994·5	999·0	988·0	994·2	988·8	991·9	979·5	987·3	977·5
30	964·3	961·8			976·7	964·3	000·2	998·6	983·0	977·1	978·5	973·6	993·7	984·5	994·7	989·6	998·4	996·9	991·0	988·7	980·8	975·8	989·3	983·5
31	963·2	959·3			979·5	973·3			984·5	982·8			984·5	977·9	992·4	990·5			996·0	990·6			983·5	976·8
Mean	972·23	962·42	981·35	972·70	983·60	978·10	989·55	984·14	992·48	987·53	989·75	984·84	980·61	975·29	991·16	986·85	990·88	984·42	990·60	983·33	985·05	976·52	987·78	976·91

Note. – When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb is written 005·6. This rule does not, however, apply to monthly means

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

182 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	77·4	77·6	77·6	77·2	77·0	77·0	76·2	76·2	76·7	76·4	76·5	76·7	76·6	76·6	76·9	76·9	76·8	76·7	76·7	76·6	76·4	76·4	75·8	75·9	76·7
2	75·7	75·6	75·6	75·5	74·3	73·6	73·4	73·2	72·9	73·1	73·7	74·5	75·1	75·7	75·6	74·9	74·1	74·0	73·9	73·7	73·6	73·6	73·4	73·8	74·3
3	73·7	75·0	75·9	76·2	76·2	76·4	77·1	76·9	76·3	77·4	78·1	78·1	79·3	78·4	78·2	77·1	76·5	75·2	75·4	77·0	75·7	76·0	76·2	76·3	76·6
4	76·4	76·5	76·7	76·0	74·6	74·8	74·3	73·5	73·0	73·8	75·0	76·1	76·3	75·6	75·3	73·6	73·6	72·1	72·2	72·6	73·1	73·3	73·5	73·6	74·5
5	73·7	74·1	74·3	75·3	75·6	74·0	74·1	74·9	74·7	75·0	75·4	76·2	78·5	78·5	78·0	78·0	78·1	77·7	76·9	76·6	76·6	76·6	76·7	76·2	76·0
6	76·4	76·6	77·0	77·4	77·5	77·6	77·6	77·7	78·0	77·9	78·0	78·0	77·7	77·7	77·7	77·9	77·8	77·3	77·2	77·5	77·5	77·5	77·4	77·2	77·5
7	77·1	77·2	77·3	77·3	77·4	77·2	77·2	77·0	77·2	77·6	77·7	77·7	77·6	77·5	76·6	75·1	75·5	75·4	75·6	75·6	76·2	76·7	76·9	77·1	76·8
8	76·9	76·8	76·7	76·5	76·3	76·5	76·5	76·5	76·3	76·6	76·7	76·9	76·9	77·0	77·0	77·2	77·4	77·7	78·6	79·5	79·5	79·2	79·4	79·4	77·4
9	79·4	79·4	79·3	79·3	79·0	79·1	79·2	79·3	79·4	78·8	79·4	80·6	80·7	80·0	80·3	80·4	80·5	81·4	81·7	80·0	80·1	79·4	78·6	79·4	79·8
10	79·2	79·3	79·0	79·0	79·8	79·8	79·8	79·8	79·9	79·9	80·0	80·6	80·6	80·1	80·2	79·7	79·7	79·4	78·6	78·4	78·0	77·6	77·4	76·6	79·3
11	75·4	75·0	75·1	74·9	74·3	74·4	74·0	74·1	74·1	73·9	74·3	74·7	75·0	74·7	74·9	74·1	74·7	74·1	74·4	74·6	74·8	74·5	73·0	73·1	74·5
12	73·0	71·4	70·4	71·4	71·7	72·4	72·9	72·0	71·7	71·7	73·0	74·0	76·1	75·0	74·3	73·7	72·2	73·1	72·5	74·0	74·8	74·3	74·0	74·7	73·1
13	74·6	73·8	74·0	74·6	74·7	75·3	75·5	74·4	74·5	75·5	76·0	76·2	76·1	75·6	74·5	73·5	73·0	73·0	72·8	73·2	73·0	72·0	71·1	71·8	74·2
14	71·0	71·0	71·5	70·0	69·3	67·0	66·9	66·0	65·6	67·3	71·0	73·6	73·8	73·4	72·2	70·9	70·0	69·1	67·4	66·3	66·5	66·0	66·0	66·0	69·2
15	65·7	66·2	65·8	66·0	65·8	65·1	66·5	66·2	65·9	67·2	68·7	69·9	71·0	71·0	70·5	67·6	65·8	65·6	65·2	65·2	66·8	66·8	67·4	67·9	67·0
16	68·3	68·5	69·0	69·4	69·6	70·0	70·1	70·2	70·4	70·6	70·6	69·9	70·4	70·4	70·5	71·8	72·2	72·2	72·2	72·5	72·2	71·1	70·8	71·1	70·5
17	70·0	69·2	68·7	68·6	68·3	68·0	68·0	68·2	68·3	68·9	69·8	71·2	71·5	72·0	71·6	72·0	72·1	72·5	72·3	72·0	72·7	72·3	72·7	71·9	70·5
18	71·9	71·5	71·9	71·6	70·2	69·9	70·1	70·2	68·7	71·2	72·0	72·6	73·0	73·5	72·3	72·9	72·5	71·4	71·3	71·1	69·9	70·5	69·0	67·0	71·2
19	65·0	63·8	62·2	62·3	62·0	61·0	60·3	60·1	60·5	61·1	63·5	64·6	66·4	66·6	67·1	66·7	67·3	68·1	69·2	70·2	69·3	69·0	69·7	69·4	65·2
20	70·6	69·9	70·2	71·5	71·7	71·9	72·0	72·4	72·4	72·3	72·6	72·7	72·9	73·0	73·2	73·3	73·3	73·2	73·0	73·0	73·1	73·3	73·3	73·4	72·3
21	73·5	73·5	73·5	73·7	73·7	73·7	73·7	74·0	73·9	73·7	74·4	74·6	73·9	74·0	73·7	73·6	73·5	73·3	72·6	73·4	72·6	72·8	72·0	71·0	73·5
22	69·7	69·5	68·3	69·0	69·0	69·6	70·0	71·8	72·2	72·6	72·4	72·5	72·9	73·0	73·1	72·8	72·9	72·9	72·7	72·8	72·9	73·1	71·2	71·8	71·6
23	72·9	74·1	73·9	74·6	74·5	74·7	74·8	74·5	74·9	75·2	75·7	75·4	75·5	76·0	75·3	75·2	73·7	73·2	73·1	73·3	73·8	73·2	71·0	71·2	74·2
24	71·4	71·6	71·7	71·8	71·9	72·2	72·5	72·9	73·3	73·6	73·7	73·9	74·1	74·2	74·6	73·9	73·7	72·8	72·6	72·5	72·6	72·7	73·6	73·9	72·9
25	75·2	75·4	75·1	75·3	75·5	75·2	75·0	75·1	75·3	75·3	75·6	75·6	75·4	76·2	75·4	75·1	75·3	75·2	75·1	75·2	75·1	75·8	75·6	75·6	75·3
26	75·7	75·1	75·2	75·0	74·9	74·8	75·2	74·9	74·7	75·5	75·5	75·2	75·2	75·6	75·7	75·6	75·5	75·5	75·4	75·2	75·1	75·4	76·0	75·9	75·3
27	75·4	75·0	75·0	75·3	75·2	75·4	75·6	75·9	76·1	76·3	76·4	76·6	77·2	77·5	77·0	76·7	76·6	76·4	77·0	77·2	77·2	77·6	76·3	76·6	76·3
28	76·2	76·0	75·8	75·7	75·2	75·1	74·8	74·7	74·9	75·1	73·8	73·6	74·2	75·1	76·8	75·5	75·6	75·7	75·7	75·6	75·5	75·2	75·1	75·1	75·3
29	74·8	74·4	74·5	74·9	74·3	73·8	73·6	73·7	73·8	74·6	75·1	75·6	75·7	75·9	76·2	75·6	75·3	75·2	75·0	75·1	75·1	75·6	75·0	73·9	74·9
30	72·8	71·3	70·6	70·1	70·1	69·4	70·8	73·9	73·8	74·2	76·2	76·7	77·4	78·0	78·0	78·0	77·5	76·9	77·2	76·7	76·4	76·3	76·2	76·0	74·7
31	76·0	75·9	75·9	75·8	75·8	75·7	75·7	75·6	75·7	75·8	76·4	76·9	77·5	78·1	78·2	76·3	76·3	76·7	76·8	76·7	76·7	76·6	76·6	76·6	76·4
Mean	73·7	73·6	73·5	73·6	73·4	73·2	73·3	73·4	73·4	73·8	74·4	74·9	75·3	75·4	75·2	74·7	74·5	74·3	74·2	74·3	74·3	74·2	73·9	73·9	74·1

183 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — FEBRUARY, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	76·8	76·9	76·9	77·1	77·3	77·0	77·0	76·6	76·4	76·7	77·8	78·2	78·5	78·2	78·1	77·8	77·5	77·4	76·7	76·5	76·3	76·2	75·9	75·2	77·1
2	75·0	75·0	74·6	74·5	74·9	74·7	74·1	73·7	74·0	75·7	75·0	74·8	76·1	75·6	75·3	74·5	73·8	73·6	73·2	72·1	71·4	71·0	69·6	69·0	73·9
3	70·8	71·8	72·2	72·3	72·0	71·9	71·9	72·9	73·3	73·7	74·0	74·2	74·2	74·2	73·7	72·7	71·2	70·6	70·5	69·3	69·1	68·6	68·0	67·2	71·7
4	67·3	67·8	66·9	66·0	65·0	65·2	64·4	63·5	65·2	67·8	70·4	73·0	74·0	74·0	73·8	73·0	70·0	68·4	67·6	67·0	65·5	65·8	66·5	67·6	68·1
5	68·3	69·2	69·8	70·3	70·8	71·2	71·4	71·3	71·6	72·0	72·9	73·7	74·1	74·2	74·4	73·3	73·0	72·7	72·8	72·8	72·4	73·0	72·8	73·0	72·0
6	73·3	73·7	74·6	75·0	74·7	74·2	74·2	74·3	75·0	75·4	76·2	77·1	77·3	77·3	77·2	77·4	76·2	75·1	75·6	75·1	74·8	74·5	74·2	74·8	75·3
7	74·6	73·9	73·4	73·3	73·2	73·2	73·2	73·2	73·3	73·5	74·1	74·6	74·7	75·0	74·8	74·7	74·0	73·4	71·6	69·7	69·0	68·3	68·0	68·0	72·8
8	67·4	66·9	66·6	66·2	65·7	65·7	65·0	66·2	68·5	72·4	76·0	77·5	77·8	78·2	77·2	75·7	74·0	73·4	73·2	72·1	72·5	71·5	71·3	71·5	71·3
9	71·2	70·2	71·2	71·0	71·2	71·2	70·7	71·8	73·1	74·3	74·7	75·2	75·7	77·9	78·4	76·5	75·5	74·7	75·8	75·8	76·2	76·7	76·3	75·7	74·1
10	75·2	74·6	73·9	73·6	73·1	72·3	72·3	72·2	72·6	73·2	74·1	74·6	74·0	73·7	73·2	72·3	71·6	71·2	70·8	70·6	70·2	70·2	70·1	70·1	72·6
11	70·0	68·8	68·9	68·9	69·2	68·0	67·2	68·1	69·8	71·4	74·0	74·7	74·5	74·9	75·0	73·0	71·7	69·0	70·5	69·7	70·3	70·0	68·8	69·8	70·7
12	68·3	68·0	67·5	67·4	66·6	66·7	66·3	65·7	67·1	70·5	73·0	73·9	74·9	75·4	75·6	75·2	70·7	68·1	66·6	66·5	65·0	64·2	63·4	62·2	68·9
13	62·0	62·3	61·8	64·1	64·9	64·6	65·3	65·2	68·4	70·3	72·6	74·0	74·6	73·1	72·1	70·6	70·2	70·0	70·2	70·3	70·5	70·4	70·4	70·8	68·5
14	70·6	70·7	71·0	70·9	71·0	70·8	71·2	71·1	71·7	72·8	74·7	76·5	77·1	77·1	76·9	77·0	75·2	73·3	72·8	72·7	73·1	73·1	73·3	73·4	73·2
15	73·2	73·2	73·2	73·1	73·0	72·7	72·6	72·6	73·6	74·9	76·3	77·3	77·7	78·2	78·2	77·7	74·0	71·9	72·0	72·0	70·5	69·7	69·0	68·0	73·6
16	67·1	67·0	65·9	65·7	65·7	66·2	66·3	67·2	68·6	70·0	71·2	72·5	74·3	75·3	75·8	75·3	73·6	72·9	73·1	72·3	70·2	69·4	70·0	70·4	70·2
17	71·2	71·3	72·2	72·0	71·6	71·6	72·2	72·8	73·3	74·1	74·6	74·9	76·0	76·7	76·7	76·8	76·6	76·2	76·2	76·5	76·8	76·9	77·1	77·0	74·5
18	77·4	76·5	77·0	77·9	77·7	77·6	77·6	77·6	77·8	77·9	78·4	78·6	79·1	80·7	80·8	80·5	80·0	77·8	79·6	79·8	79·0	78·1	77·9	77·6	78·4
19	77·3	77·2	77·1	77·6	77·7	77·0	76·9	76·8	77·3	78·0	78·2	78·6	74·5	74·0	74·4	74·0	73·7	74·0	74·3	75·2	75·7	76·6	76·8	76·9	76·3
20	76·7	76·5	76·4	76·2	75·7	75·4	75·0	75·0	75·3	75·6	76·6	78·0	78·0	78·0	78·6	77·3	76·3	76·0	75·5	75·6	75·1	74·7	74·7	74·1	76·2
21	73·3	72·8	72·8	73·9	73·4	73·8	73·6	73·6	73·7	74·2	74·3	73·8	74·2	74·3	74·1	74·5	74·2	74·5	74·5	75·1	75·6	75·8	76·0	76·0	74·2
22	76·1	76·0	76·0	76·2	76·0	76·1	76·1	75·7	76·2	77·3	77·4	77·5	77·6	77·6	77·2	76·9	76·7	76·2	75·8	75·5	75·0	75·1	74·9	74·3	76·3
23	73·9	73·9	74·0	73·9	73·8	73·8	74·0	74·1	74·3	74·4	73·6	74·6	75·0	74·5	75·0	75·0	75·0	74·7	74·7	74·6	74·5	74·6	74·5	74·5	74·4
24	74·6	75·0	74·7	74·6	74·3	74·3	74·6	75·0	75·3	75·3	75·9	75·7	75·9	75·8	75·1	75·1	74·8	74·7	74·7	74·7	74·7	74·5	74·5	74·4	74·9
25	74·4	74·2	74·1	73·9	73·9	74·0	73·8	73·6	73·8	74·4	74·6	76·3	76·2	77·0	76·7	76·1	75·2	74·3	74·7	74·3	74·1	74·1	74·1	74·3	74·7
26	74·7	75·0	75·0	75·1	75·6	75·8	75·8	76·3	76·3	76·5	77·3	77·6	77·9	78·3	78·3	78·5	77·5	77·0	75·4	75·3	75·2	74·7	74·2	74·0	76·1
27	74·0	73·7	73·6	73·3	73·2	73·2	73·3	73·6	73·8	74·3	75·1	75·7	76·4	75·9	75·8	75·6	75·0	74·7	74·6	74·5	74·5	74·4	74·2	74·0	74·4
28	74·0	73·8	73·9	73·7	73·7	73·4	73·0	72·2	73·4	73·6	75·0	76·4	75·3	75·2	74·8	74·3	74·2	74·3	74·2	74·8	75·4	75·4	74·7	74·6	74·3
29	75·1	75·1	74·9	73·8	73·8	73·6	73·5	73·6	73·7	73·8	74·1	73·9	74·0	73·7	73·6	73·7	73·6	73·4	73·7	73·6	73·2	73·5	73·5	73·7	73·9
Mean	72·5	72·4	72·4	72·5	72·4	72·2	72·2	72·3	73·0	73·9	74·9	75·6	75·8	76·0	75·9	75·4	74·3	73·6	73·5	73·2	73·0	72·8	72·6	72·5	73·5
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

Readings in degrees absolute at exact hours, Greenwich Mean Time

184 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	73·7	73·7	73·7	73·6	73·1	73·0	72·9	73·0	72·9	73·2	74·1	74·3	74·3	74·7	74·5	74·0	74·0	73·9	73·4	73·7	73·3	73·7	73·6	73·6	73·7
2	73·2	73·2	72·8	72·8	72·7	72·9	73·1	73·1	73·6	73·7	74·0	74·6	73·8	75·1	74·9	74·6	73·4	71·7	70·3	69·3	68·0	67·0	65·8	65·9	72·2
3	65·3	65·9	66·6	67·0	67·2	66·8	67·4	68·4	70·5	72·0	72·8	74·1	75·3	75·7	76·4	75·8	75·6	74·1	73·2	70·9	70·3	69·5	68·7	68·7	70·7
4	67·2	66·9	66·4	65·8	66·2	68·2	67·1	67·9	70·2	73·4	74·8	75·4	75·1	74·6	74·0	73·7	73·6	73·8	74·5	74·7	74·6	74·5	74·1	74·7	71·6
5	74·7	74·5	73·2	73·8	73·5	73·3	74·3	73·9	74·3	74·7	75·3	76·3	75·8	76·4	76·4	76·6	76·7	76·2	74·8	74·6	74·5	74·2	74·2	74·0	74·9
6	73·5	73·5	73·4	73·4	74·0	74·5	76·2	76·7	77·4	77·9	78·6	79·2	79·0	80·4	79·2	79·3	78·1	76·8	76·0	75·6	76·0	75·2	75·2	75·2	76·4
7	75·2	74·9	75·0	75·4	75·4	74·6	74·6	74·8	76·0	76·7	77·0	77·1	77·1	77·6	77·8	78·0	77·8	77·9	78·2	78·4	78·7	78·5	78·8	78·8	76·8
8	78·9	78·7	78·6	78·6	78·5	78·4	78·4	78·4	78·4	78·8	79·2	79·4	79·4	80·0	80·0	79·7	79·7	79·2	78·6	78·4	78·3	78·0	77·7	77·4	78·8
9	77·2	76·8	76·4	75·5	75·1	75·1	75·2	75·4	75·8	75·3	74·1	74·1	73·6	74·0	73·7	73·8	74·0	74·2	74·1	74·2	74·3	74·6	74·6	74·7	74·9
10	74·7	74·8	74·8	75·0	75·0	75·1	75·1	75·4	75·7	75·8	76·3	76·4	77·7	77·1	77·0	76·8	76·6	76·2	76·1	75·8	75·6	75·8	75·8	75·6	75·8
11	74·0	73·7	74·2	73·4	73·3	73·6	73·9	74·7	75·4	76·6	77·5	78·0	78·7	80·0	80·4	79·0	77·5	75·3	72·2	72·0	71·8	71·0	71·0	70·2	75·0
12	70·2	70·0	71·0	72·2	72·5	72·5	73·0	73·6	74·6	76·5	76·9	76·9	77·3	77·1	77·5	77·2	77·0	76·3	75·7	75·2	74·4	74·6	74·2	73·6	74·5
13	72·7	70·9	70·4	70·6	70·9	71·3	71·6	72·3	73·3	74·4	74·8	75·0	75·3	75·1	75·3	75·2	75·0	74·6	74·1	73·9	73·7	73·7	73·6	73·4	73·4
14	73·3	73·0	73·0	72·9	72·8	73·0	73·0	73·1	73·5	73·7	73·9	74·3	74·6	74·9	75·0	74·8	74·5	74·0	73·5	73·2	73·2	73·4	73·4	73·6	73·6
15	73·3	73·3	73·8	74·0	74·0	73·8	75·7	76·4	76·4	77·8	78·8	80·5	80·0	80·1	78·3	79·0	78·0	75·3	73·3	73·6	71·4	70·7	70·4	68·9	75·4
16	68·6	68·3	68·2	68·7	69·4	70·4	72·0	73·6	74·2	74·8	75·4	75·0	75·5	76·6	76·6	77·2	77·0	77·2	78·0	78·0	77·9	78·3	78·1	78·7	74·3
17	79·2	79·0	78·9	78·8	79·0	79·0	79·2	79·6	80·1	80·4	80·4	80·7	81·1	81·6	81·7	81·4	81·4	81·0	80·7	80·1	79·4	79·3	78·6	77·3	79·9
18	76·9	76·2	75·6	75·4	75·6	75·5	75·5	76·2	77·8	79·2	80·6	82·2	82·7	82·6	83·5	82·3	82·0	80·3	78·6	78·7	78·6	78·4	78·2	78·0	78·8
19	78·0	78·0	77·8	76·6	76·7	76·6	76·4	77·0	78·0	82·0	82·9	82·6	84·0	84·5	84·6	85·0	83·4	82·3	81·3	79·9	77·4	79·2	79·4	79·1	80·1
20	79·2	79·7	78·3	78·7	79·4	78·9	78·9	81·4	82·0	82·4	83·4	84·4	84·6	85·2	84·5	83·5	83·0	81·8	81·5	81·4	81·3	80·8	80·7	80·5	81·5
21	80·3	80·2	80·1	79·8	80·1	79·6	79·8	80·6	83·7	85·2	84·6	86·9	85·5	85·8	86·6	86·0	85·8	84·4	83·3	83·8	83·6	82·9	82·6	82·4	83·0
22	82·3	81·9	81·0	81·1	80·8	80·6	80·3	81·3	82·7	85·1	86·2	87·5	87·5	87·6	87·3	87·1	85·5	85·2	84·6	84·1	83·9	83·5	83·4	82·8	83·9
23	82·7	82·3	81·8	81·1	81·2	81·0	81·2	81·5	81·9	83·4	83·6	84·3	86·1	86·6	86·0	84·7	83·8	81·3	79·0	78·3	78·6	78·8	78·9	78·7	82·0
24	78·6	78·9	78·7	78·5	78·2	78·2	77·5	79·6	81·8	83·5	84·6	86·1	85·2	86·0	85·7	85·3	85·2	83·3	82·3	80·5	80·6	79·0	78·8	76·9	81·4
25	77·0	77·3	76·8	76·7	76·8	76·6	76·2	76·2	76·7	76·8	77·5	77·9	78·2	78·6	78·6	78·4	77·5	76·8	76·6	76·7	76·4	76·3	76·2	75·9	77·1
26	75·8	75·9	76·0	76·2	76·2	76·2	76·1	76·1	76·5	76·4	76·4	76·6	76·5	76·4	76·7	77·2	77·2	77·1	77·0	77·0	77·0	76·9	76·8	76·7	76·5
27	76·8	77·0	77·1	77·0	77·1	77·0	77·0	77·1	77·3	78·0	78·4	78·6	78·0	79·2	79·5	79·3	79·1	78·8	78·9	78·6	78·6	78·3	78·5	78·4	78·0
28	78·7	78·8	79·6	79·5	79·5	79·7	79·8	80·1	80·8	81·2	82·0	82·9	82·5	83·2	83·3	83·3	82·2	79·5	77·5	76·9	75·2	77·2	77·0	76·8	79·9
29	76·7	76·0	77·6	78·1	79·0	79·6	80·9	81·0	81·4	81·8	82·2	82·4	82·4	82·6	82·8	83·5	83·8	83·8	82·4	82·2	82·2	81·6	81·6	81·2	81·0
30	81·0	80·7	80·6	80·4	80·1	81·2	81·7	81·9	81·8	81·9	81·6	82·0	81·9	82·2	82·5	82·7	81·6	81·1	80·4	78·8	77·2	77·0	76·4	76·8	80·6
31	78·4	79·0	79·0	78·6	78·8	79·0	79·4	80·0	80·7	81·8	82·8	82·0	80·9	83·0	82·3	82·7	81·9	81·3	80·7	79·5	78·2	78·0	77·7	77·0	80·1
Mean	75·7	75·6	75·5	75·5	75·6	75·7	75·9	76·5	77·3	78·2	78·7	79·3	79·3	79·8	79·8	79·6	79·1	78·2	77·4	77·0	76·6	76·4	76·3	76·0	77·3

185 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — APRIL, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·7	75·1	76·0	75·5	75·2	75·6	76·9	78·6	79·9	81·1	83·5	84·2	85·1	85·2	84·6	83·7	82·8	82·0	80·6	78·3	77·5	78·3	78·2	77·7	79·6
2	77·7	77·3	77·4	76·6	75·7	75·7	76·5	77·1	78·1	79·0	79·4	79·3	80·0	80·0	79·8	79·7	78·6	78·2	76·8	76·2	76·1	75·8	75·7	75·8	77·6
3	75·6	75·2	74·7	74·5	74·3	74·3	74·7	75·5	76·4	77·2	78·0	79·0	79·4	79·6	78·2	78·2	77·0	75·2	74·4	74·5	72·8	73·3	71·6	73·1	75·8
4	73·0	73·0	72·7	72·9	72·7	72·9	74·2	75·5	76·7	78·1	79·2	80·0	80·7	81·9	82·1	81·6	80·9	78·9	74·9	73·8	72·4	71·2	71·7	71·9	76·0
5	71·7	71·4	72·8	72·0	71·2	71·5	73·0	76·3	78·4	79·2	78·9	78·3	78·8	79·2	79·3	78·6	78·1	76·4	73·9	72·5	70·6	70·0	68·8	68·4	74·6
6	67·3	67·0	66·6	66·1	65·6	66·2	67·8	71·6	77·8	79·2	80·5	82·2	82·2	81·7	80·9	80·0	79·9	79·8	79·9	79·1	80·0	78·3	77·2	76·0	75·4
7	76·5	75·9	75·4	74·9	73·2	72·6	73·5	76·2	78·3	79·8	80·3	81·6	83·4	84·0	84·2	84·0	83·3	81·8	78·9	78·2	78·6	78·4	77·9	77·7	78·7
8	77·5	77·4	77·4	77·3	77·5	77·4	77·7	79·0	80·6	82·7	83·8	83·8	84·8	83·4	84·3	84·4	84·0	82·8	81·8	80·6	79·4	78·6	78·2	77·8	80·5
9	77·6	76·4	75·9	76·6	75·0	75·7	76·0	79·2	81·0	82·0	82·8	83·7	83·7	84·0	83·0	83·2	82·4	81·4	77·8	76·6	76·3	74·5	72·2	72·1	78·8
10	71·0	70·1	70·0	69·5	68·4	68·2	71·2	77·0	80·8	82·0	83·3	35·2	83·4	84·0	84·0	82·4	81·6	80·9	80·0	78·2	76·7	75·4	74·2	74·3	77·1
11	74·8	75·7	75·7	75·1	75·4	75·6	75·9	78·0	77·1	78·7	78·2	78·7	79·3	80·0	77·4	79·4	79·0	77·3	76·4	74·2	75·2	74·4	74·7	74·5	76·7
12	74·6	74·6	74·8	73·2	73·0	73·1	73·6	74·7	76·0	75·5	77·6	77·0	78·4	76·2	77·0	76·4	76·8	76·1	75·1	74·7	74·2	74·5	74·8	74·3	75·3
13	74·3	74·6	74·8	74·9	74·3	74·0	74·0	74·5	74·7	74·3	76·1	78·8	77·1	77·4	76·3	77·5	76·7	75·4	74·5	74·6	74·8	74·6	74·2	74·0	75·3
14	73·8	73·7	74·0	73·7	73·9	74·4	75·2	75·4	75·8	75·5	76·4	76·7	77·6	76·6	76·2	76·7	76·1	75·2	75·1	74·7	74·1	73·7	73·7	73·7	75·1
15	73·7	73·7	73·5	73·2	73·6	73·7	74·6	75·4	76·9	77·2	78·1	78·0	78·6	77·7	78·3	78·5	77·0	77·0	75·2	72·8	71·0	71·2	71·8	72·0	75·1
16	72·5	72·7	73·2	73·0	72·6	73·0	73·6	74·2	74·8	75·6	76·9	77·9	77·9	78·1	78·2	78·7	77·4	76·9	74·0	71·1	70·8	69·8	69·2	69·9	74·3
17	71·4	71·0	70·0	70·0	70·1	70·8	74·7	76·1	76·9	77·4	76·4	78·0	80·0	80·0	80·0	78·9	78·3	77·2	74·3	74·2	74·2	73·6	73·0	71·4	74·9
18	70·2	70·0	69·7	68·8	67·6	68·6	70·6	75·0	74·8	75·2	76·0	76·9	80·4	77·6	79·2	80·0	80·2	77·9	76·7	75·2	73·9	73·1	72·0	72·8	74·2
19	71·7	71·6	71·2	71·6	71·8	73·0	74·6	76·5	77·3	78·6	78·4	79·5	79·0	79·5	77·0	80·9	78·0	77·9	76·2	74·2	73·2	72·2	71·8	71·5	75·3
20	71·4	71·2	70·6	69·0	68·5	69·0	72·0	76·0	76·8	78·4	78·5	79·2	79·1	80·6	77·9	74·6	76·9	75·9	75·0	73·4	71·9	70·4	68·9	68·7	74·0
21	68·0	66·6	65·7	65·6	65·6	66·8	70·4	75·3	77·3	76·9	78·2	78·5	78·8	79·0	79·0	78·7	77·4	76·4	74·2	73·2	72·9	72·2	70·9	69·6	73·2
22	70·6	70·3	72·5	71·7	71·3	71·0	73·2	74·2	75·6	77·1	78·5	78·0	79·0	79·4	78·8	79·5	79·1	78·7	75·5	73·3	73·6	71·7	71·3	69·5	74·7
23	69·3	66·8	65·9	64·5	65·7	67·2	70·8	75·4	77·8	79·0	80·3	81·0	81·5	80·2	80·3	80·0	79·4	78·2	76·5	75·5	75·3	75·4	75·4	75·4	74·7
24	75·6	75·9	76·2	76·2	76·7	76·2	76·5	77·3	78·4	80·5	82·6	84·0	83·3	82·7	82·1	81·4	80·6	80·4	80·6	80·8	81·1	81·1	80·9	80·7	79·5
25	81·3	81·6	80·7	80·4	80·3	80·4	81·0	82·0	82·2	83·0	83·6	84·5	84·3	83·4	83·5	82·8	82·4	81·9	80·8	80·0	79·8	79·4	79·3	79·4	81·6
26	79·4	78·6	78·4	78·7	78·8	79·1	79·3	79·9	80·7	81·0	81·3	83·3	82·1	83·0	83·2	83·2	83·3	82·7	81·0	80·1	80·0	79·4	79·3	79·5	80·6
27	78·8	78·7	78·8	78·6	79·2	79·8	80·0	82·1	83·7	84·5	85·5	85·0	86·0	86·2	86·6	86·5	86·0	84·1	83·3	79·4	79·8	79·2	79·3	78·8	82·1
28	78·8	78·6	78·4	78·3	78·4	79·0	79·7	80·4	81·0	81·2	80·6	80·1	80·7	81·1	81·3	81·4	81·6	81·7	81·4	81·1	80·6	78·0	78·2	77·2	80·0
29	78·2	78·6	79·4	79·0	79·0	79·3	79·8	81·0	82·0	82·3	82·3	82·7	83·5	83·4	83·2	82·4	82·6	82·6	81·3	79·9	77·7	76·7	79·3	77·8	80·6
30	76·2	77·1	76·3	77·9	76·6	78·2	80·3	82·1	83·3	83·9	84·0	85·6	85·5	84·9	84·7	85·7	85·4	84·5	81·8	79·2	79·4	78·2	75·4	73·5	80·9
Mean	74·3	74·0	74·0	73·6	73·4	73·7	75·0	77·1	78·4	79·2	80·0	80·7	81·1	81·0	80·7	80·6	80·1	79·2	77·6	76·3	75·8	75·1	74·6	74·3	77·1
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

186 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	73·3	72·1	71·3	71·2	70·7	73·1	76·3	80·6	83·6	84·7	85·5	86·2	86·3	86·5	86·5	86·6	86·1	85·9	83·2	80·3	77·5	75·6	74·2	73·0	79·6
2	72·3	71·5	70·9	70·8	70·6	72·0	75·7	79·8	83·6	85·4	86·2	87·2	88·0	88·0	87·9	87·8	87·3	86·6	83·0	80·0	78·2	77·5	76·8	75·4	80·1
3	75·0	74·2	73·4	72·8	72·4	73·8	76·8	82·7	85·3	86·6	87·6	88·1	88·2	89·1	88·3	87·8	86·4	85·2	83·6	80·0	79·1	78·0	77·0	76·1	80·1
4	75·6	75·1	75·9	75·9	76·1	76·4	78·3	79·8	81·7	84·0	85·4	86·5	86·3	87·0	86·1	86·0	86·2	84·6	81·0	80·3	80·0	79·6	78·8	79·2	81·0
5	79·2	79·1	79·0	79·1	79·2	79·4	79·7	80·7	80·6	80·6	81·1	81·8	84·7	85·3	85·1	86·0	82·6	81·7	80·9	80·5	80·4	80·3	80·1	80·0	81·1
6	79·9	79·6	79·6	79·6	80·0	80·7	81·1	82·4	82·3	84·2	83·4	83·0	82·5	83·3	84·6	84·2	83·1	82·0	80·8	80·3	80·0	80·0	80·2	80·0	81·5
7	80·0	79·9	80·0	80·1	80·2	80·3	80·5	81·8	81·9	83·6	83·7	83·6	84·6	86·1	84·5	82·0	81·3	80·6	80·2	79·9	79·7	79·5	79·4	79·5	81·4
8	79·3	79·4	79·4	79·4	79·2	79·6	80·9	82·7	85·6	87·0	87·6	87·8	88·2	88·3	87·9	87·3	86·3	84·7	82·4	81·3	79·7	79·7	78·8	78·2	83·0
9	78·3	78·4	78·9	79·2	79·4	80·0	82·2	83·1	84·4	86·0	88·0	88·2	89·8	88·1	87·4	87·3	87·1	85·6	83·2	82·0	80·6	80·0	79·1	78·3	83·1
10	78·4	78·9	77·7	77·6	79·0	79·8	81·9	83·8	86·4	89·0	89·3	90·6	90·0	91·0	91·2	91·7	91·1	90·0	87·0	84·7	83·7	81·3	79·7	78·7	84·7
11	78·3	78·0	77·0	76·6	76·5	79·4	83·5	87·5	89·9	90·8	90·8	91·7	93·0	92·2	91·2	93·1	92·4	89·8	88·2	84·6	81·7	80·7	79·6	78·7	85·2
12	78·4	79·1	78·4	78·6	79·2	82·0	83·1	83·6	84·0	85·0	86·0	87·1	86·1	83·2	84·2	84·0	83·3	83·7	83·6	82·9	82·1	81·6	79·7	78·0	82·4
13	76·0	75·2	74·1	72·5	72·3	74·8	79·0	83·6	84·8	86·0	86·2	86·2	88·0	87·9	86·0	84·8	83·2	82·4	81·8	81·2	81·0	81·0	81·1	80·5	81·2
14	76·4	75·2	74·2	73·2	73·0	75·6	79·0	83·0	83·7	84·7	84·2	85·2	85·8	86·3	86·2	86·3	85·1	85·6	84·4	83·6	82·7	82·2	83·2	82·5	81·7
15	82·0	81·8	81·7	82·3	83·1	83·9	84·2	85·0	84·8	85·0	86·5	87·6	87·6	89·8	88·2	88·0	88·1	86·4	85·8	85·1	83·8	83·3	83·4	84·8	85·0
16	84·6	84·4	83·5	83·9	84·0	84·1	85·0	86·0	86·8	88·0	90·7	92·2	92·2	91·1	90·4	88·4	87·8	86·8	85·5	84·4	83·7	82·0	81·2	81·2	86·2
17	81·2	81·4	81·8	81·8	81·3	81·3	81·6	81·9	82·2	82·1	82·7	82·7	83·3	83·6	83·8	84·4	84·7	84·3	84·0	84·0	83·9	83·8	83·9	83·9	82·8
18	83·7	83·6	83·6	83·7	83·8	83·7	83·4	83·7	85·2	85·9	88·5	90·2	91·8	92·4	92·3	92·0	91·0	89·8	87·9	85·6	82·8	82·4	81·9	81·6	86·3
19	81·3	81·0	80·6	80·5	80·6	81·5	84·1	85·4	87·5	88·9	90·1	90·6	91·1	92·2	91·3	91·6	91·6	89·0	87·6	86·1	83·9	81·7	83·0	83·7	86·0
20	82·3	81·6	81·6	81·5	80·4	81·1	81·6	81·4	83·6	84·7	85·0	85·2	85·0	85·2	85·4	84·1	83·7	83·1	81·3	79·3	77·7	76·1	75·0	74·7	81·9
21	73·0	73·7	75·8	74·9	75·9	78·7	79·5	81·0	82·0	84·0	83·3	84·5	86·7	87·4	87·0	87·0	86·2	84·4	82·2	79·9	78·6	78·7	79·5	78·8	80·9
22	78·9	78·9	78·6	77·2	78·1	78·6	80·7	81·6	82·2	81·8	82·4	85·2	86·0	86·2	84·5	83·0	83·5	82·8	82·3	81·1	80·5	80·7	80·1	79·0	81·4
23	78·4	78·0	78·0	78·2	78·2	78·4	79·0	79·2	80·6	80·9	81·9	82·8	83·3	84·0	83·8	84·1	84·6	83·5	82·3	80·6	80·4	80·6	80·6	80·2	80·9
24	79·9	79·9	79·8	79·8	79·8	80·2	80·4	80·3	80·6	81·0	80·6	80·5	80·6	80·9	81·2	81·1	81·0	81·0	80·6	79·2	79·6	79·9	80·0	80·1	80·3
25	80·1	80·3	80·4	80·5	80·7	80·8	81·1	81·7	82·7	82·7	83·3	83·7	85·2	85·7	87·1	87·3	88·0	87·2	84·9	83·9	83·4	83·1	83·0	82·4	83·3
26	82·5	81·6	81·5	78·9	80·6	82·9	84·0	84·8	84·9	86·2	87·2	89·6	89·1	89·5	89·9	90·5	90·2	89·8	88·5	86·4	85·1	85·2	84·9	84·4	85·7
27	84·2	83·9	83·5	81·8	81·7	81·6	81·3	81·1	81·5	82·3	82·3	84·5	84·0	84·4	83·7	83·8	83·7	82·6	81·0	79·7	78·2	77·3	75·2	73·8	81·8
28	74·8	73·6	73·0	74·6	75·9	78·3	78·5	79·5	82·0	82·2	83·5	85·2	86·2	87·6	86·0	85·1	83·6	83·3	82·6	81·7	81·7	81·1	81·0	80·7	80·8
29	80·7	80·8	80·6	81·0	81·4	81·3	81·7	82·2	83·0	85·4	86·6	85·8	85·3	86·4	83·8	83·4	82·4	82·6	82·6	82·0	80·6	80·3	79·8	78·6	82·5
30	78·3	78·2	77·9	77·5	77·3	77·2	78·0	78·3	79·3	80·2	81·0	82·8	79·9	83·2	82·7	81·5	81·7	79·7	79·6	75·4	77·9	77·1	77·0	76·3	79·1
31	74·1	74·4	73·6	73·0	75·2	78·3	79·1	80·6	80·9	81·8	80·4	81·2	82·3	82·1	82·5	83·4	82·3	81·9	80·5	79·3	77·4	75·8	75·4	74·3	78·8
Mean	78·7	78·5	78·2	78·0	78·3	79·3	80·7	82·2	83·5	84·5	85·2	86·0	86·5	86·9	86·5	86·2	85·7	84·7	83·3	81·8	80·8	80·2	79·8	79·2	82·3

187 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — JUNE, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	73·6	74·1	73·3	73·4	74·2	75·6	78·6	80·0	81·6	82·2	81·1	82·3	83·5	83·4	82·9	83·1	83·2	82·6	82·1	80·2	79·1	79·0	78·3	77·9	79·3
2	77·6	77·4	77·1	77·2	77·4	78·4	80·3	82·3	82·0	82·8	83·8	84·0	82·0	82·9	83·6	80·2	81·2	80·6	80·7	79·6	79·0	78·9	78·7	78·4	80·2
3	78·2	77·8	77·5	77·7	77·9	78·4	80·0	80·0	81·9	82·1	82·7	82·3	82·4	83·8	83·7	82·4	82·3	82·5	81·3	80·2	79·5	79·1	79·5	79·4	80·5
4	78·9	78·7	78·4	78·5	78·5	78·7	79·1	79·4	80·6	81·2	81·6	82·6	83·1	83·7	84·0	84·6	84·5	84·3	83·4	81·3	79·1	76·2	75·5	74·8	80·5
5	75·0	75·2	75·1	74·9	76·7	79·7	82·1	84·6	86·6	88·0	88·6	89·3	90·1	90·6	90·0	90·8	87·3	85·9	86·0	84·6	83·4	83·4	82·7	82·6	83·7
6	82·6	82·5	82·5	82·5	82·6	82·7	83·5	84·5	84·5	85·3	85·0	86·0	85·5	85·4	86·1	86·8	87·3	85·3	84·2	83·4	82·4	81·8	81·7	81·4	84·0
7	81·4	81·4	81·4	80·7	80·8	81·9	82·7	83·9	85·4	85·7	87·5	86·7	87·1	86·6	86·3	86·2	85·6	85·0	84·5	82·0	79·8	79·4	79·5	79·3	83·4
8	77·6	76·5	75·5	75·6	77·6	79·8	83·0	84·0	84·3	86·4	86·2	86·1	85·3	85·8	84·7	85·4	85·4	85·5	85·4	84·8	83·9	83·3	81·3	82·2	82·7
9	81·2	79·6	81·9	82·4	83·3	83·2	83·5	84·4	86·5	88·0	88·6	89·4	89·8	90·1	89·6	88·6	87·8	87·1	86·3	85·5	85·0	84·7	84·7	84·7	85·6
10	84·6	83·7	82·6	82·4	82·2	82·5	85·2	86·6	86·1	87·8	86·9	88·3	89·0	90·3	90·4	89·7	89·7	88·0	87·3	85·1	83·3	79·8	79·1	79·5	85·5
11	80·3	80·1	78·8	78·6	79·7	82·2	85·1	86·4	88·2	90·0	89·4	89·1	89·9	88·5	88·5	88·0	85·5	85·0	84·8	84·1	83·6	83·5	83·5	83·0	84·7
12	82·7	82·8	82·6	82·2	82·3	83·0	83·2	83·3	85·1	86·6	87·3	88·0	87·9	85·6	84·7	85·3	84·7	84·6	84·2	83·6	81·9	82·0	80·5	80·3	84·0
13	80·7	81·0	81·3	80·7	81·1	81·3	81·5	81·8	83·0	84·1	85·4	86·5	87·2	86·6	87·2	86·5	87·7	87·2	85·9	82·6	80·3	78·6	77·6	77·3	83·1
14	76·9	76·0	76·0	77·4	78·5	80·9	83·6	84·4	84·6	85·3	84·2	83·4	83·7	84·6	84·8	84·5	84·3	83·6	83·8	84·4	83·2	80·4	79·0	77·6	81·9
15	77·6	76·4	75·7	76·3	77·3	80·2	81·3	83·1	82·8	82·9	83·8	84·9	84·5	85·0	84·3	85·6	85·1	84·7	83·0	82·6	81·0	79·6	79·2	79·6	81·5
16	79·6	79·3	80·0	80·5	81·4	81·7	82·6	83·6	84·5	85·0	85·1	85·2	85·4	85·0	84·8	84·6	84·6	84·6	84·5	84·6	84·6	84·5	84·1	84·0	83·4
17	83·6	83·7	83·6	83·7	83·3	83·4	83·6	83·8	84·4	84·1	84·8	84·8	84·3	87·2	87·4	87·0	87·2	87·5	87·3	85·4	81·3	81·4	80·0	78·0	84·3
18	78·2	78·0	78·7	79·9	82·3	84·9	88·0	89·4	91·1	92·7	93·4	94·1	94·9	95·1	95·2	95·3	93·9	93·7	92·3	90·7	88·8	88·7	87·2	86·6	88·7
19	85·6	85·1	84·8	85·0	86·4	88·4	89·7	91·5	93·7	95·3	96·2	96·1	96·3	95·0	96·6	96·6	96·5	95·0	93·3	91·6	90·2	89·4	87·8	87·3	91·4
20	87·4	86·2	85·5	86·3	86·6	87·0	87·5	88·0	89·1	90·0	90·0	92·6	92·4	94·4	95·0	93·9	94·0	93·3	92·6	90·4	89·6	89·0	87·8	85·7	89·8
21	85·9	86·0	85·4	84·4	85·6	86·6	89·2	92·4	94·8	95·6	96·3	97·9	98·9	99·3	99·6	99·4	98·0	96·3	94·0	91·4	90·0	88·7	87·9	87·0	92·1
22	86·1	85·8	85·5	85·9	86·4	86·9	87·4	87·7	88·6	90·0	91·3	92·9	92·0	92·9	93·3	92·5	90·4	89·0	87·7	87·5	87·3	87·3	87·3	86·7	88·7
23	86·0	85·6	85·7	86·0	86·1	86·5	86·7	87·0	87·6	88·0	89·3	89·2	90·1	89·8	89·8	89·4	90·0	89·1	88·2	87·4	86·7	85·6	85·5	85·5	87·6
24	85·7	85·9	85·5	85·6	85·7	85·8	86·3	86·2	86·5	87·6	89·3	90·4	91·9	92·5	93·2	92·4	92·7	92·0	90·7	89·3	88·5	87·6	86·9	86·6	88·5
25	86·1	86·1	85·9	84·6	84·7	84·9	85·6	87·6	88·3	90·6	91·2	91·3	89·9	91·9	93·1	93·2	93·4	94·5	91·6	89·9	88·4	88·0	87·6	87·3	89·0
26	87·1	86·9	86·7	85·5	86·1	87·0	89·0	92·2	92·7	92·7	92·6	93·7	94·1	94·3	95·2	95·3	95·7	93·8	93·5	90·6	89·0	88·9	88·0	85·6	90·7
27	84·0	84·2	86·2	86·4	86·9	88·2	89·8	91·2	93·2	93·4	94·3	95·3	96·4	96·8	95·0	95·0	95·0	94·0	92·2	90·4	88·1	87·7	86·3	85·9	90·7
28	86·1	85·1	84·6	83·6	84·1	86·2	88·0	90·9	92·0	93·0	93·8	94·9	94·3	95·0	95·4	94·9	93;8	93·0	92·3	90·5	88·5	87·2	85·5	85·0	89·9
29	84·6	84·8	85·1	85·5	85·6	86·0	86·0	86·6	86·2	87·1	89·2	89·1	90·1	90·0	90·6	89·5	88·9	88·0	87·5	86·9	86·4	85·7	85·4	84·6	87·1
30	84·4	84·5	84·4	84·6	84·8	84·2	85·2	85·4	86·2	86·4	86·9	87·7	88·3	88·1	88·7	89·5	90·1	89·8	88·6	87·2	85·5	82·9	82·4	82·0	86·2
Mean	82·0	81·7	81·6	81·6	82·2	83·2	84·6	85·7	86·7	87·7	88·2	88·8	89·0	89·3	89·5	89·2	88·9	88·2	87·3	85·9	84·6	83·7	83·0	82·5	85·6
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

188 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	83·2	83·6	84·6	83·0	84·0	84·3	87·2	88·5	90·1	90·4	91·5	91·0	90·6	90·4	91·2	92·1	91·0	88·5	87·0	86·1	86·0	85·9	85·4	85·4	87·5
2	85·0	85·1	85·1	85·0	85·1	85·5	86·4	87·3	88·7	91·1	91·1	88·3	91·4	89·2	91·1	90·2	90·0	88·9	88·8	87·5	85·6	86·0	85·7	85·6	87·7
3	85·2	85·0	85·3	85·3	85·6	86·3	87·2	87·6	87·8	89·1	90·3	90·8	88·9	89·3	91·1	89·7	89·2	88·7	88·2	87·5	86·7	85·8	86·0	86·1	87·6
4	86·0	85·4	84·4	84·6	84·0	84·6	85·2	86·0	86·7	87·5	88·6	88·3	87·7	89·0	87·7	87·2	87·6	88·0	87·0	86·5	86·5	86·5	86·5	86·5	86·6
5	86·4	85·3	85·0	84·2	84·5	85·5	85·5	86·7	86·7	88·7	88·6	89·7	89·1	90·4	88·5	87·8	88·9	88·0	87·4	86·8	85·6	85·6	85·9	86·1	87·0
6	86·2	86·1	85·9	85·8	86·1	85·9	86·3	86·1	86·8	88·0	89·0	91·3	91·9	92·3	92·3	93·0	93·0	92·6	91·5	89·6	88·5	88·2	87·4	86·7	88·8
7	86·6	86·4	86·3	86·1	86·3	86·3	87·5	87·1	87·5	88·0	88·7	90·4	90·4	91·4	91·3	91·0	91·6	90·6	89·2	88·2	87·6	86·8	86·5	86·2	88·3
8	85·6	85·0	84·6	84·2	84·5	85·6	86·9	88·1	87·5	89·2	89·1	88·9	89·9	89·0	89·2	89·0	89·0	88·7	87·6	87·1	85·6	83·8	82·7	81·4	86·9
9	79·4	79·1	77·6	77·6	78·6	79·6	82·7	85·7	88·3	88·9	89·8	90·1	90·3	90·4	88·4	88·7	90·0	88·1	87·4	84·6	84·3	84·0	82·8	81·3	84·9
10	80·9	80·9	79·8	81·3	82·0	84·9	86·9	87·0	89·1	89·5	90·6	89·6	89·0	88·5	89·9	89·3	90·3	90·0	88·8	85·8	85·3	85·5	84·6	83·7	86·3
11	83·1	82·9	82·1	81·4	82·3	82·8	84·2	85·2	86·2	88·6	89·0	89·5	87·7	87·7	87·2	86·1	85·9	85·5	85·0	84·9	84·9	85·1	84·8	84·6	85·3
12	84·3	84·6	84·5	83·9	84·6	84·7	84·8	85·5	86·2	86·7	86·5	87·5	85·9	86·8	86·9	88·2	87·6	86·8	86·2	85·6	84·9	84·6	84·6	84·8	85·7
13	84·7	84·4	84·6	84·5	84·6	84·7	84·8	85·2	85·8	86·6	88·6	89·0	90·3	91·0	89·1	88·7	90·1	88·2	86·9	86·6	85·6	85·7	84·7	84·1	86·6
14	84·5	84·6	84·5	84·3	84·0	83·9	84·4	84·9	85·4	86·9	86·7	86·7	87·6	88·2	88·2	86·7	87·0	86·8	86·5	85·7	85·3	85·2	85·0	84·8	85·7
15	84·8	83·3	83·0	83·5	83·9	84·6	85·7	87·0	88·1	88·4	89·5	90·7	90·4	89·1	91·2	89·9	89·0	88·2	87·7	85·6	85·7	85·2	85·0	84·9	86·8
16	85·3	85·0	84·9	84·7	84·8	85·3	85·7	86·8	87·0	87·0	87·5	87·8	88·1	88·9	88·0	88·0	88·5	88·2	87·2	85·9	84·1	83·8	81·8	80·9	86·1
17	80·0	80·9	80·5	81·9	83·4	83·9	84·7	86·0	86·1	86·0	85·9	86·1	86·6	86·5	86·6	86·3	86·2	86·7	86·9	86·8	86·2	86·2	86·2	86·6	85·0
18	86·6	86·9	87·0	87·0	87·2	87·5	87·9	87·8	88·5	88·9	88·2	88·6	88·6	89·1	88·9	88·6	88·2	87·8	87·6	87·5	87·0	86·8	86·7	86·7	87·7
19	86·7	86·5	86·3	86·2	86·2	86·4	86·7	87·0	87·3	87·9	88·8	87·6	89·0	88·3	88·7	87·4	87·1	87·8	87·1	86·3	86·4	86·2	86·0	86·0	87·1
20	85·8	85·7	85·7	85·7	85·6	85·8	85·8	86·8	86·8	87·5	89·0	89·0	89·6	89·5	88·2	88·3	88·0	87·0	86·1	85·9	85·3	84·3	83·5	83·4	86·7
21	82·5	82·9	81·6	82·1	83·0	83·6	84·0	85·3	86·9	87·0	86·8	87·0	86·3	88·2	88·4	87·9	88·0	87·0	85·9	84·2	83·5	83·3	81·2	79·0	84·9
22	79·0	78·1	78·0	78·3	79·1	81·6	82·8	83·3	84·6	85·9	83·8	84·0	84·3	84·2	84·6	85·3	85·7	84·7	84·8	83·4	82·9	82·9	82·4	82·1	82·7
23	81·7	82·0	82·8	83·3	83·6	84·5	84·6	84·7	84·5	84·7	84·7	85·0	85·5	85·8	86·2	86·7	87·3	87·7	86·8	86·3	86·1	85·7	85·4	85·3	85·0
24	85·3	85·0	84·4	83·9	84·0	84·6	84·7	84·8	85·0	85·0	85·2	85·1	85·0	85·2	85·1	85·4	85·4	85·3	84·9	84·4	84·2	84·0	84·0	84·0	84·8
25	83·8	83·8	83·7	83·6	83·6	83·6	83·5	84·3	84·9	85·3	85·2	84·9	85·0	85·1	84·8	84·6	84·1	84·1	84·3	84·6	84·7	84·6	84·3	84·3	84·4
26	84·0	83·9	82·7	82·7	83·3	83·8	84·0	84·7	85·4	86·4	85·9	86·6	87·8	86·8	86·1	85·6	85·8	85·9	85·7	84·1	82·6	82·0	81·7	82·5	84·6
27	80·1	78·3	78·4	77·4	77·6	79·8	83·0	85·0	86·1	87·8	88·1	89·4	89·9	89·3	88·4	88·1	88·6	88·8	87·9	86·3	84·7	82·6	83·0	83·0	84·6
28	83·3	83·1	83·3	83·7	83·1	83·7	83·9	84·0	85·0	85·6	88·4	88·3	82·8	85·8	86·2	87·3	85·7	85·8	85·0	84·7	84·0	83·7	83·5	83·5	84·7
29	82·8	82·3	81·6	81·1	81·8	84·2	84·4	85·6	87·0	87·1	88·0	89·3	88·9	90·0	89·1	87·6	87·9	88·8	86·9	85·6	85·0	84·8	82·0	80·8	85·6
30	80·5	78·9	78·0	81·8	82·5	83·6	85·2	86·4	85·8	86·1	85·8	86·0	86·0	85·6	85·2	85·5	85·0	84·7	84·6	84·8	85·1	85·1	85·4	85·5	84·2
31	85·7	85·9	85·9	85·8	85·7	85·8	86·4	86·7	87·4	88·1	88·6	89·3	90·1	90·3	90·3	89·0	87·5	87·8	87·2	86·2	85·5	85·1	84·7	84·0	87·1
Mean	83·8	83·6	83·3	83·4	83·7	84·4	85·3	86·0	86·7	87·5	88·0	88·3	88·2	88·4	88·3	88·0	88·0	87·6	86·9	86·0	85·3	85·0	84·5	84·2	86·0

189 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — AUGUST, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	84·2	83·6	83·2	84·1	84·3	84·6	85·3	86·1	85·5	85·9	87·1	87·7	89·0	89·4	89·2	89·3	88·8	88·7	88·0	86·4	86·0	85·6	85·5	85·6	86·3
2	85·7	86·0	85·8	85·6	85·5	85·0	84·5	84·8	86·3	86·9	87·8	87·7	88·6	88·2	90·0	88·3	86·9	86·3	86·0	85·3	84·6	84·5	84·5	84·7	86·3
3	84·4	84·7	84·7	84·6	84·5	84·6	85·0	85·0	85·3	86·0	86·2	87·4	88·0	87·5	87·9	86·3	86·7	86·3	85·6	85·0	85·2	84·7	84·2	84·2	85·6
4	83·9	83·3	83·2	83·6	83·8	83·6	84·3	85·2	87·1	86·2	87·5	87·2	85·7	88·3	88·0	88·4	87·8	86·2	85·3	84·1	84·0	83·3	82·0	82·3	85·2
5	82·6	82·4	82·2	81·9	81·3	83·0	83·6	84·5	86·4	85·9	86·3	86·9	87·5	87·6	87·2	87·6	86·6	86·6	86·0	84·7	84·2	82·5	81·7	80·6	84·6
6	80·3	80·4	81·7	82·0	82·3	82·2	82·4	83·2	83·8	84·1	84·2	84·6	85·0	85·2	85·5	86·3	83·6	85·4	85·0	83·5	83·0	82·5	81·5	79·8	83·6
7	80·0	79·8	79·0	78·1	77·3	80·5	82·4	85·8	87·6	89·1	90·6	90·4	90·8	91·3	90·7	89·4	90·6	89·0	88·0	85·7	84·9	83·3	83·6	83·5	85·4
8	83·1	81·7	80·5	80·5	82·3	83·1	84·0	85·6	87·4	87·2	88·5	90·6	90·1	89·1	88·3	88·0	88·0	87·2	86·4	85·9	85·7	85·7	85·6	85·6	85·8
9	85·7	85·5	85·8	85·7	84·9	85·8	86·6	87·0	87·2	87·9	88·0	88·1	88·7	90·2	89·4	89·4	88·3	87·7	86·7	85·7	83·3	81·6	79·5	78·4	86·3
10	77·2	76·3	77·0	76·5	77·4	79·0	80·9	84·5	87·0	87·7	88·6	89·3	90·0	90·3	90·7	91·0	91·4	90·6	89·0	84·2	85·1	85·3	85·0	84·3	84·8
11	84·0	84·0	83·7	84·0	84·1	84·3	86·6	88·3	89·3	90·4	91·9	92·1	92·2	92·4	91·5	92·0	91·0	88·3	87·7	86·4	86·0	86·3	85·6	85·7	87·8
12	85·5	85·5	85·4	85·5	85·3	85·6	86·3	87·2	89·4	88·6	90·3	91·0	90·0	90·0	88·4	88·6	88·1	88·0	86·6	85·6	85·4	84·6	82·5	82·1	87·0
13	79·7	78·6	77·8	81·3	82·6	83·1	83·7	84·5	85·9	87·3	87·6	88·0	87·8	87·2	87·3	87·4	88·0	86·8	85·8	85·1	85·3	85·5	86·0	86·2	84·9
14	86·1	86·0	85·8	85·6	85·5	85·6	86·1	86·6	87·0	87·8	87·7	87·6	87·8	87·9	88·3	87·9	88·0	87·5	87·3	87·2	87·1	87·1	87·0	87·0	87·0
15	86·8	86·8	86·9	86·7	86·8	87·0	87·2	87·8	88·1	88·3	89·2	87·7	88·8	89·6	89·5	89·6	89·2	88·7	87·6	87·0	86·6	86·3	86·4	86·5	87·6
16	86·6	86·6	86·6	86·6	86·6	86·6	87·0	88·3	87·9	90·3	90·4	91·5	91·0	92·6	91·6	91·3	90·0	88·9	88·3	87·7	87·3	87·0	86·7	86·3	88·5
17	86·2	86·0	85·7	85·6	85·7	86·0	86·5	86·6	87·2	87·3	87·4	87·6	88·9	88·2	88·1	88·1	88·0	88·0	87·4	86·4	85·6	83·6	81·8	80·6	86·5
18	79·3	78·9	78·5	78·1	77·2	78·2	82·3	84·1	85·2	86·4	86·6	87·7	88·5	88·1	87·4	87·2	85·9	85·3	85·1	84·6	84·0	83·5	84·3	83·9	83·7
19	83·2	83·2	82·8	82·7	83·3	83·6	84·3	84·7	84·3	85·1	85·3	85·0	85·0	85·3	85·5	85·5	85·6	85·6	85·6	85·5	85·4	85·2	85·0	85·0	84·6
20	84·7	81·0	79·8	78·9	80·1	81·1	82·7	84·4	86·1	86·9	87·1	86·6	87·8	88·9	88·6	88·0	87·3	86·5	86·1	85·2	85·6	85·6	85·5	85·5	85·0
21	84·0	83·9	83·3	83·0	83·0	83·2	84·3	85·0	86·7	88·6	87·6	88·2	89·6	88·0	88·3	89·2	86·9	86·0	85·0	83·3	82·2	81·9	82·9	82·6	85·3
22	82·2	82·1	81·9	82·4	82·7	83·0	83·7	85·0	86·7	88·2	87·3	88·9	88·0	89·3	89·3	90·2	87·6	88·0	85·3	83·6	83·0	82·8	82·6	84·1	85·3
23	84·3	84·4	84·2	84·3	84·9	85·4	85·5	85·7	85·7	86·0	86·4	86·4	87·6	87·8	88·4	89·6	89·3	89·0	88·4	88·4	88·3	88·3	88·3	88·4	86·8
24	89·0	89·1	89·0	88·9	89·1	89·0	89·2	89·3	90·8	92·0	92·6	93·3	93·3	93·4	92·3	91·0	90·7	90·6	90·4	90·3	89·7	89·6	89·8	90·0	90·5
25	90·0	89·7	89·2	89·0	88·8	88·6	89·4	89·6	91·1	90·4	90·0	90·4	91·2	92·2	91·7	93·2	93·6	91·0	88·6	87·7	87·7	87·6	87·5	87·3	89·9
26	87·0	86·8	86·4	86·4	86·4	86·4	87·4	88·0	90·1	90·2	91·0	90·9	91·7	92·8	93·4	94·0	93·9	92·8	88·6	87·0	85·6	85·0	83·6	83·2	88·8
27	82·7	82·6	82·8	82·5	81·6	82·2	84·2	86·3	90·0	91·4	92·3	93·6	94·0	94·7	95·0	95·4	94·9	92·3	86·6	85·2	83·2	81·9	81·3	80·2	87·5
28	79·9	79·0	78·6	77·5	76·8	76·8	79·4	82·3	88·8	90·6	92·0	93·0	93·5	93·8	94·2	94·2	93·6	91·1	89·7	86·3	84·5	83·2	82·2	80·8	85·9
29	80·0	79·2	79·3	79·1	78·9	78·9	80·5	82·4	85·4	89·6	91·3	92·3	93·2	94·1	94·1	93·4	92·6	90·5	88·7	87·6	87·6	87·4	87·1	87·6	86·6
30	87·4	87·9	88·1	88·0	87·6	88·1	88·2	88·2	87·9	88·4	89·5	89·6	89·6	89·3	89·1	88·0	87·4	86·7	86·6	86·3	85·7	85·3	85·4	85·3	87·7
31	85·4	85·4	85·6	85·4	84·6	84·6	85·8	86·3	87·1	88·2	89·8	89·4	88·3	88·3	89·6	90·6	90·0	89·0	86·7	86·0	86·2	84·7	83·4	84·3	86·9
Mean	83·9	83·6	83·4	83·4	83·4	83·8	84·8	85·9	87·2	88·0	88·6	89·1	89·4	89·7	89·6	89·6	89·1	88·2	87·1	85·9	85·4	84·9	84·4	84·2	86·4
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

190 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — SEPTEMBER 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	84·1	84·0	81·7	80·3	78·8	79·8	82·2	86·2	87·6	89·4	90·5	90·8	90·5	91·2	90·1	87·6	86·6	86·8	86·0	85·6	85·2	85·0	84·7	84·4	85·8
2	84·6	84·5	84·5	84·6	84·6	84·7	84·9	85·4	86·3	87·5	87·6	88·0	88·6	89·0	90·3	89·3	88·9	88·8	88·2	88·1	88·1	88·3	88·1	88·0	87·0
3	88·0	87·7	87·7	88·3	88·0	87·7	88·1	88·3	88·6	89·8	90·3	91·8	91·3	90·7	89·5	89·1	89·0	87·8	87·4	86·8	86·4	85·9	85·7	85·7	88·4
4	85·4	85·6	85·8	86·0	85·6	85·5	85·6	86·1	87·2	88·0	88·0	85·8	88·3	88·6	87·0	88·0	86·5	86·6	86·3	86·2	86·1	86·1	86·0	86·1	86·5
5	85·5	85·3	85·2	85·1	85·0	85·0	85·1	85·6	85·9	86·4	87·6	87·5	87·2	87·2	86·6	86·6	86·3	85·6	85·0	85·0	85·1	84·6	84·8	84·6	85·8
6	84·3	84·2	84·6	84·5	84·5	84·6	85·0	85·5	85·6	85·7	86·3	88·5	86·6	86·5	87·5	86·4	86·1	85·3	85·0	84·7	84·6	84·1	84·3	84·5	85·4
7	85·0	85·5	85·8	85·3	84·6	84·6	84·6	83·9	84·8	85·6	85·0	85·7	87·1	87·6	86·7	83·9	83·8	84·1	84·0	84·2	84·2	84·3	84·3	84·2	85·0
8	84·1	84·3	84·2	84·0	83·9	84·1	85·2	86·6	87·4	88·0	89·1	89·4	89·3	90·4	90·3	90·2	89·5	88·0	84·9	82·6	82·3	82·3	81·1	80·1	86·0
9	79·8	79·0	79·6	78·9	78·4	79·0	80·6	83·1	84·0	86·0	87·4	88·5	89·0	90·3	89·4	89·2	88·6	88·3	87·4	86·8	86·9	86·6	86·1	86·0	84·8
10	86·1	86·2	86·2	86·2	86·2	86·0	85·9	86·0	86·3	86·7	87·3	87·6	87·6	87·6	87·9	88·1	87·7	87·6	87·5	87·5	87·4	87·6	87·6	87·6	87·0
11	87·6	87·5	87·3	87·2	86·9	87·1	87·4	87·6	88·4	89·4	89·4	90·0	90·3	89·6	90·1	90·0	90·5	89·7	88·7	88·9	89·1	89·3	89·2	88·5	88·7
12	88·4	88·4	88·5	88·7	88·1	87·9	87·7	88·1	88·4	88·4	87·9	87·9	87·9	87·8	87·9	88·0	88·0	87·4	86·7	86·5	86·4	85·9	84·6	83·7	87·6
13	84·4	84·6	84·8	84·8	84·2	84·7	85·0	85·2	86·1	86·9	88·3	88·4	90·3	90·9	90·7	89·8	89·1	86·1	86·0	85·0	84·9	84·5	84·4	83·3	86·4
14	82·9	83·5	83·9	83·9	83·9	83·6	84·0	84·6	85·6	87·5	89·3	90·4	89·1	89·4	87·8	86·7	86·3	85·8	85·0	84·4	83·6	84·7	84·5	84·6	85·6
15	84·8	84·8	84·6	84·5	84·6	84·7	85·0	85·7	87·1	87·6	88·3	89·3	88·9	88·2	88·8	87·5	86·9	86·2	86·0	85·8	86·0	85·7	85·8	86·0	86·3
16	86·2	85·7	85·7	84·9	84·1	84·5	84·7	85·4	86·6	88·9	89·2	89·0	89·5	90·3	89·5	89·2	88·6	86·9	85·4	85·6	85·3	85·0	84·9	84·6	86·7
17	85·1	84·7	84·8	84·9	84·6	84·4	84·6	85·1	86·1	87·4	88·4	89·9	90·6	90·6	89·9	90·2	88·5	87·0	86·6	86·4	85·8	85·7	85·3	84·5	86·7
18	82·5	82·4	83·5	83·4	83·5	83·6	83·8	84·3	85·0	85·7	86·5	88·8	89·8	89·9	89·5	88·7	87·7	86·0	85·3	84·4	84·5	84·5	84·8	85·0	85·5
19	85·0	84·6	84·6	84·7	84·6	84·5	84·7	85·4	85·8	86·4	87·3	87·3	87·5	87·8	87·1	86·7	86·4	85·5	85·1	85·0	84·7	84·6	84·5	84·7	85·6
20	84·3	84·3	84·1	84·1	84·1	84·0	84·5	85·0	85·5	86·6	87·2	87·9	88·1	88·1	88·6	87·6	86·6	85·4	84·0	83·6	84·0	84·2	84·5	82·7	85·4
21	83·0	83·1	83·7	83·8	83·7	84·3	84·4	84·6	85·7	86·5	86·7	88·2	87·7	88·2	88·7	89·0	87·6	85·6	83·6	82·0	81·7	80·3	79·6	79·7	84·7
22	80·7	81·4	81·7	82·3	82·5	82·6	82·6	85·3	87·2	89·2	90·3	90·2	90·4	90·7	88·8	87·8	87·7	87·2	85·5	84·2	83·6	82·6	80·0	79·4	85·2
23	77·3	76·7	75·8	75·3	76·3	75·7	77·7	79·0	81·8	83·5	84·6	85·9	87·0	87·7	88·2	88·5	88·3	84·7	82·3	81·9	82·8	83·9	84·3	84·1	82·1
24	83·4	83·9	83·1	82·2	83·1	82·9	83·6	84·4	85·2	86·8	87·4	88·3	87·8	88·0	88·1	88·0	87·4	87·3	86·8	86·3	86·4	86·4	86·3	86·3	85·8
25	86·4	86·3	86·2	86·2	86·1	86·0	85·0	84·9	84·7	84·8	84·5	84·3	84·6	84·1	83·7	83·0	82·0	80·6	80·5	80·5	79·9	79·8	78·9	78·4	83·6
26	78·8	77·4	77·6	77·4	77·8	77·7	78·3	79·0	80·3	82·0	82·6	83·2	82·4	82·6	82·9	82·0	80·6	79·8	79·1	79·4	79·4	79·0	79·0	79·1	79·9
27	79·5	80·2	80·4	81·0	82·7	82·8	82·4	83·3	84·0	84·3	83·4	83·4	83·8	83·7	83·3	83·0	81·7	80·4	79·8	79·2	79·0	78·6	78·6	78·3	81·5
28	77·8	78·1	77·7	77·5	77·5	75·4	76·0	80·3	82·1	82·3	83·0	84·3	83·8	84·5	84·2	83·3	82·6	80·3	77·2	75·3	75·3	74·3	74·6	74·4	79·3
29	73·5	72·2	72·5	72·3	72·0	72·0	74·6	78·0	80·8	82·4	83·1	83·7	84·3	84·3	84·3	83·8	83·5	82·4	81·6	81·3	81·2	80·8	80·6	80·6	79·3
30	80·8	81·4	81·7	81·7	81·7	81·3	81·5	82·6	83·3	84·0	85·7	85·2	85·3	85·5	85·2	84·9	84·0	82·9	81·8	82·1	82·1	81·8	81·6	81·0	82·9
Mean	83·3	83·3	83·3	83·1	83·1	83·0	83·5	84·5	85·4	86·5	87·1	87·6	87·8	88·0	87·8	87·2	86·6	85·5	84·6	84·2	84·1	83·9	83·6	83·3	85·0

191 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — OCTOBER 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·1	80·9	80·6	80·7	80·9	80·9	80·9	81·2	81·8	82·4	82·9	83·2	83·1	83·3	83·3	83·2	82·6	82·4	82·1	81·8	81·8	81·8	81·7	81·4	81·9
2	81·1	81·0	80·7	81·0	80·9	80·7	81·0	81·3	81·9	82·3	83·1	83·1	84·0	84·0	84·4	84·3	83·5	82·7	82·5	81·9	79·5	77·2	76·5	75·6	81·5
3	75·3	75·4	74·4	74·6	74·3	72·9	73·6	75·3	79·2	82·4	84·3	85·2	85·3	85·6	95·4	85·6	84·0	78·4	77·5	76·4	75·2	74·3	73·7	72·9	78·4
4	72·1	72·0	71·6	71·9	73·0	74·4	74·0	76·6	81·5	84·0	83·3	82·3	81·9	83·3	83·9	82·7	82·0	81·2	80·8	80·6	80·6	80·6	80·6	80·6	78·8
5	80·5	79·8	80·3	80·2	80·3	80·3	79·3	80·6	82·4	83·2	84·5	83·6	83·4	84·8	83·5	83·2	82·2	78·3	76·5	75·3	74·9	74·8	75·2	74·1	80·2
6	74·6	74·3	73·6	73·7	73·3	73·2	73·0	76·3	79·7	82·8	83·4	84·3	85·0	85·0	83·9	84·3	81·8	77·9	76·4	76·8	76·6	76·0	76·0	75·7	78·2
7	74·6	74·0	74·1	72·7	71·9	71·6	71·6	75·0	79·3	82·6	83·5	84·0	84·2	84·6	84·7	83·8	82·2	77·7	76·3	75·0	76·6	73·6	73·0	72·9	77·5
8	72·0	72·2	72·6	73·9	74·6	76·2	77·0	78·2	79·7	81·0	81·2	83·4	83·0	82·6	82·0	81·6	81·2	81·0	80·6	79·9	79·9	79·7	79·6	79·6	78·7
9	79·8	79·7	79·0	79·3	79·4	79·2	79·6	81·2	81·6	81·0	81·9	82·0	82·4	82·0	82·5	82·3	81·6	80·5	79·6	78·4	77·8	77·6	78·4	78·9	80·3
10	78·8	78·9	79·0	79·1	79·0	79·6	78·7	79·7	81·8	81·5	82·0	80·8	81·9	82·9	81·8	81·8	81·0	80·2	80·3	80·1	79·8	76·4	76·1	75·3	79·9
11	74·9	74·6	74·6	74·1	74·0	74·5	75·2	76·1	77·8	78·6	80·0	82·0	83·6	84·6	84·5	83·9	83·9	83·0	82·6	82·9	83·0	82·6	81·9	80·8	79·6
12	80·0	79·4	78·8	78·4	78·6	79·6	80·6	81·9	82·8	83·6	84·3	85·1	86·2	85·3	85·8	84·4	83·3	83·6	83·8	83·5	82·9	82·8	81·8	81·4	82·4
13	81·4	81·3	81·0	80·2	80·3	80·4	80·5	81·8	82·7	83·6	83·9	83·3	83·1	84·0	82·6	83·0	81·1	81·1	80·0	80·0	80·4	80·1	80·4	81·2	81·6
14	81·8	82·1	83·0	83·6	83·7	83·8	83·9	84·6	85·2	85·4	86·3	86·6	86·5	86·7	86·1	86·0	85·0	84·2	84·0	83·6	83·8	83·7	83·6	83·3	84·4
15	83·9	85·0	85·7	84·1	84·2	84·7	83·9	83·4	83·5	84·7	84·0	85·0	85·2	84·3	84·0	83·1	82·2	82·4	82·1	81·9	82·0	82·0	82·1	82·2	83·6
16	82·0	82·3	82·0	81·5	82·4	82·3	82·1	82·9	82·3	83·4	83·6	84·3	85·0	85·2	85·0	83·6	83·3	83·3	82·5	82·6	82·6	83·4	84·0	84·1	83·1
17	84·3	84·1	84·3	84·0	84·4	84·3	84·2	84·4	84·6	85·0	85·3	83·3	84·2	84·4	83·3	83·3	82·6	82·3	81·7	81·4	80·3	80·0	78·7	79·2	83·2
18	79·7	79·0	79·9	80·3	80·1	79·4	79·2	79·6	81·4	82·1	82·5	82·5	82·6	83·1	82·6	80·6	79·6	78·2	77·3	77·2	77·6	77·6	79·6	79·5	80·0
19	79·8	79·8	80·3	80·3	80·3	80·1	80·1	80·8	81·4	81·3	80·9	80·0	79·7	81·3	81·3	79·4	76·3	77·2	76·8	75·6	75·8	74·2	75·1	74·7	79·0
20	75·1	75·1	74·3	75·0	74·6	74·7	76·4	77·4	78·7	79·8	80·6	81·9	81·3	81·2	81·2	81·3	82·5	83·2	83·0	82·9	83·0	82·9	83·0	83·1	79·5
21	83·1	83·1	83·3	83·3	83·3	83·3	83·3	83·4	83·8	83·8	84·0	84·0	84·4	85·6	86·1	85·6	85·5	85·6	85·1	85·2	85·7	85·8	86·0	86·0	84·5
22	85·9	85·9	85·9	85·5	85·6	85·7	85·7	85·6	85·7	86·0	86·0	85·7	86·3	85·1	84·7	84·4	84·0	83·6	83·3	83·0	83·1	83·1	83·2	82·9	84·9
23	82·6	82·9	82·6	82·6	82·4	82·6	82·6	82·6	82·6	82·6	82·7	81·4	81·7	82·0	82·8	82·3	80·6	81·8	81·0	79·2	80·3	79·4	78·3	78·6	81·7
24	79·0	76·8	76·0	77·9	78·3	78·5	78·7	79·7	80·1	82·1	82·3	82·0	81·4	81·2	82·1	82·9	83·4	83·7	84·0	84·2	84·6	84·5	83·5	83·7	81·2
25	82·4	81·2	79·8	79·1	78·3	77·7	77·0	76·3	77·4	77·9	74·6	74·7	75·1	76·0	76·2	75·4	76·1	76·2	75·5	75·0	75·0	74·6	74·6	74·7	76·9
26	74·8	75·2	75·6	76·4	76·7	77·4	77·5	77·5	78·1	79·2	79·8	79·2	79·3	79·6	81·6	82·4	83·0	82·5	80·0	79·7	79·5	78·6	78·3	77·0	78·7
27	76·0	76·5	76·9	76·8	77·7	77·1	76·9	75·3	77·1	78·6	79·3	76·2	77·4	77·1	75·0	75·0	75·1	74·6	75·4	74·8	76·7	77·6	77·6	77·7	76·6
28	77·5	77·6	77·6	77·4	77·1	77·0	77·0	77·5	78·8	79·6	80·0	81·2	81·5	81·2	80·8	79·7	78·3	77·7	74·2	72·0	71·2	70·6	70·0	69·5	77·0
29	69·9	70·0	70·7	71·5	72·6	74·5	75·9	78·6	79·7	81·0	81·7	82·2	82·5	82·9	83·2	83·6	84·2	85·0	85·0	84·6	84·5	84·6	82·8	83·0	79·5
30	82·3	82·4	82·4	82·1	81·2	80·9	80·7	80·6	81·1	81·8	82·3	82·8	82·8	82·3	81·5	80·9	80·1	80·3	80·0	79·6	78·0	77·9	78·0	77·4	80·9
31	77·0	76·5	76·7	74·8	75·6	74·6	73·2	73·6	76·1	79·8	80·8	81·0	81·9	80·6	81·0	77·6	76·4	76·8	78·2	77·5	77·4	77·4	76·6	76·2	77·4
Mean	78·8	78·7	78·6	78·6	78·7	78·8	78·8	79·6	81·0	82·0	82·4	82·5	82·8	83·0	82·8	82·3	81·6	80·9	80·3	79·8	79·7	79·2	79·0	78·8	80·4

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

Readings in degrees absolute at exact hours, Greenwich Mean Time

192 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·9	76·5	76·9	77·6	77·5	77·7	78·1	78·6	79·2	80·2	81·0	80·5	80·1	80·2	80·4	80·7	81·3	81·6	81·7	82·0	82·1	82·0	81·6	81·7	79·7
2	81·4	80·3	79·6	80·3	79·0	78·6	78·0	77·7	78·0	79·9	80·6	80·8	81·3	81·8	80·6	79·8	77·7	78·3	78·5	80·4	80·8	80·6	81·0	81·5	79·9
3	81·7	81·5	80·6	80·6	80·2	80·3	79·9	79·7	79·8	80·3	81·8	82·3	81·5	81·8	81·6	80·6	79·8	79·7	80·0	79·8	79·6	79·6	80·2	80·1	80·6
4	79·7	78·6	78·6	79·0	79·6	80·0	80·5	80·8	80·7	81·3	81·7	81·6	81·6	81·0	80·7	80·5	80·0	79·6	79·5	79·7	79·7	79·3	78·9	79·3	80·1
5	79·2	78·4	78·8	79·1	77·8	77·6	76·9	76·0	78·3	78·3	78·9	79·6	79·9	79·4	79·4	78·5	79·0	78·9	78·0	78·2	77·7	77·5	77·4	77·1	78·4
6	76·0	77·1	76·9	76·6	75·8	76·6	76·9	76·9	77·4	78·4	79·6	80·1	80·9	80·5	80·3	80·0	79·7	79·9	79·8	79·7	79·5	79·4	79·4	79·4	78·6
7	79·0	78·9	78·6	77·8	77·6	76·8	76·5	76·6	77·0	78·6	78·4	78·3	78·3	76·9	78·1	78·4	78·6	78·9	79·3	79·6	78·5	77·4	77·3	77·4	78·1
8	77·6	77·5	77·4	77·0	77·0	76·9	77·0	77·4	77·7	78·5	79·1	79·2	79·3	79·2	79·1	78·9	79·0	78·8	78·5	78·0	76·5	75·6	75·7	76·0	77·8
9	75·6	75·4	75·4	75·4	75·5	75·4	75·1	74·5	74·0	74·4	74·8	74·6	75·1	75·5	75·3	75·2	75·2	75·0	73·4	72·7	71·8	70·6	70·4	69·5	74·3
10	69·3	68·9	69·8	70·4	70·2	69·4	70·0	70·6	71·3	72·4	73·5	74·6	75·4	76·5	77·2	77·1	76·3	77·0	77·8	77·8	77·9	78·1	78·1	78·1	73·9
11	77·9	77·8	77·6	76·2	75·3	74·8	75·0	75·5	76·2	76·9	77·6	78·6	78·6	78·4	78·1	77·4	77·6	77·2	77·2	77·0	77·3	77·6	77·5	77·6	77·1
12	77·9	78·2	78·3	78·3	78·3	78·2	78·3	78·2	78·1	78·3	78·4	78·6	78·5	78·4	79·3	79·6	78·6	78·3	78·4	78·2	78·2	78·2	78·1	78·1	78·4
13	78·0	78·0	78·0	77·8	77·1	77·2	76·1	75·7	77·0	78·1	78·3	78·6	78·5	78·3	77·7	75·8	74·6	74·6	74·8	75·0	74·8	75·3	75·6	75·7	76·7
14	75·9	76·9	77·3	77·1	77·3	77·7	77·9	78·2	78·7	79·5	79·1	78·6	79·0	79·8	79·0	78·6	77·8	77·9	78·0	77·6	77·1	75·0	74·6	76·3	77·7
15	75·5	76·1	75·8	76·3	77·6	78·1	79·4	80·3	80·3	80·5	80·7	79·2	80·3	79·5	78·0	77·1	76·3	76·4	76·5	76·3	77·0	77·3	77·3	77·3	77·9
16	78·3	79·2	79·6	79·6	79·6	79·5	78·6	77·8	79·6	80·6	80·4	80·8	80·0	79·5	79·7	78·3	78·0	77·8	78·0	78·3	78·3	78·3	78·2	78·1	79·0
17	77·7	77·7	77·6	77·7	77·7	77·8	78·0	77·9	78·0	78·1	78·2	79·1	78·8	77·4	77·4	77·6	77·9	78·1	78·2	77·8	77·8	77·7	78·3	77·9	77·9
18	77·6	78·1	77·8	77·8	77·7	77·6	77·9	77·3	77·8	78·6	78·6	79·5	79·3	78·0	78·2	76·7	76·1	75·3	74·8	74·7	73·9	74·0	74·3	73·6	77·0
19	72·3	72·5	72·2	72·0	71·5	71·2	71·6	71·1	72·0	73·0	75·0	75·6	75·8	76·4	76·2	75·4	74·7	73·7	72·3	71·8	71·2	70·4	70·1	69·6	72·9
20	69·2	68·7	67·9	69·6	70·3	71·7	73·7	74·1	75·0	75·0	77·1	77·1	77·4	77·6	77·6	77·4	77·1	77·0	77·0	76·6	75·9	75·9	75·1	74·6	74·4
21	73·6	73·5	73·7	74·1	73·6	74·1	75·7	75·8	76·0	76·1	76·9	77·0	77·7	77·9	76·7	74·9	73·9	73·3	72·6	72·0	71·1	71·0	71·0	70·3	74·4
22	70·2	69·9	69·4	69·3	68·6	68·1	67·7	68·0	70·0	71·5	73·6	75·7	77·3	77·6	76·8	74·5	73·2	72·3	72·6	73·2	74·6	75·1	76·6	75·4	72·4
23	74·7	74·0	71·9	70·6	69·0	67·8	67·5	67·0	68·0	69·4	71·3	73·2	74·3	75·0	74·7	73·0	72·2	71·7	71·3	70·6	69·7	68·6	68·1	68·0	71·1
24	68·8	69·2	70·1	70·0	70·0	69·9	70·5	70·6	71·4	72·8	73·5	73·7	74·6	75·2	75·9	75·3	75·1	75·1	75·3	75·3	75·0	75·0	74·3	74·1	72·8
25	73·7	73·5	73·0	72·6	72·4	72·1	71·6	70·6	70·2	71·7	72·6	74·4	75·4	75·7	74·8	72·6	72·3	72·1	72·2	72·7	71·6	70·7	69·9	70·0	72·5
26	70·8	71·0	71·2	71·7	72·3	72·7	72·6	73·3	73·9	74·2	75·3	75·0	75·3	75·1	75·5	75·4	74·8	74·8	74·5	74·6	74·3	74·4	74·5	74·7	73·7
27	74·7	74·4	74·1	74·0	74·1	74·0	73·7	73·7	73·8	74·2	74·6	76·2	77·0	78·2	78·2	77·3	76·1	75·6	75·6	75·6	75·8	76·4	76·6	76·5	75·4
28	76·4	75·9	75·9	74·6	73·6	73·6	73·2	73·2	73·4	74·7	75·5	76·4	77·2	76·7	76·4	74·0	73·3	73·0	72·9	74·5	74·7	74·8	76·0	75·6	74·8
29	76·8	77·3	77·6	77·9	78·0	78·3	78·6	78·9	79·2	79·6	80·1	80·6	81·6	82·3	83·1	83·0	83·1	83·2	83·0	83·6	83·7	84·2	84·0	83·6	80·7
30	82·6	82·5	82·6	82·7	82·2	82·2	81·0	80·4	80·1	80·1	80·5	79·6	79·7	79·0	77·9	77·8	77·8	76·8	77·4	76·4	76·4	76·0	75·3	75·6	79·4
Mean	75·9	75·9	75·8	75·8	75·5	75·5	75·6	75·5	76·1	76·8	77·6	78·0	78·3	78·3	78·1	77·4	76·9	76·7	76·6	76·7	76·4	76·2	76·2	76·1	76·6

193 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres DECEMBER, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·7	75·5	75·6	75·7	75·4	75·5	75·5	75·6	76·2	77·3	78·1	77·8	77·9	78·3	77·9	77·6	77·2	77·5	77·5	77·7	77·7	77·7	77·9	78·4	76·9
2	78·4	78·4	78·4	78·5	79·5	78·2	77·6	78·2	78·9	79·6	80·6	81·9	82·2	81·2	77·8	77·5	77·1	77·2	76·9	76·7	76·0	75·3	75·1	75·0	78·2
3	75·0	74·7	74·8	74·8	74·8	74·8	75·0	75·0	75·4	76·2	77·0	79·4	81·5	81·7	81·6	81·5	81·5	81·4	81·4	81·3	81·3	81·4	80·5	80·3	78·3
4	79·8	79·3	77·6	77·4	77·2	76·6	76·7	75·8	75·4	75·6	75·7	76·3	76·0	76·6	75·6	75·5	75·0	73·9	73·7	73·3	73·3	73·6	74·2	74·5	75·9
5	74·6	74·9	74·8	74·9	75·0	74·4	74·6	73·7	74·0	73·6	74·1	74·3	73·2	73·0	72·8	72·6	72·5	72·4	72·2	72·3	72·2	72·0	72·4	71·9	73·5
6	71·0	72·2	72·3	73·0	74·3	74·2	74·3	74·0	74·0	74·1	74·0	74·0	74·6	74·6	72·6	72·3	72·0	71·7	71·6	71·5	70·8	69·7	69·5	69·4	72·6
7	69·0	68·6	68·8	68·0	67·6	69·0	66·6	65·6	65·2	65·9	67·4	67·8	68·4	68·2	68·0	68·4	68·6	68·8	69·1	68·9	69·3	70·5	71·1	72·3	68·3
8	72·9	73·6	74·0	75·6	75·6	76·7	78·0	77·2	76·7	76·8	77·7	78·1	78·6	77·6	77·4	77·0	76·8	77·1	76·0	75·0	74·6	75·0	76·0	76·0	76·2
9	76·6	75·6	74·6	72·1	70·9	70·4	69·5	69·7	69·1	70·4	72·2	73·5	74·3	74·6	74·0	73·3	74·8	75·0	75·1	74·4	74·6	74·7	75·3	75·4	73·3
10	75·8	76·1	76·1	76·2	76·2	76·5	76·6	76·4	76·4	76·5	76·7	77·0	77·2	77·0	76·6	76·6	76·5	76·4	76·1	76·4	76·3	75·7	75·3	74·8	76·3
11	74·2	73·5	73·2	72·6	72·3	72·0	71·6	71·7	72·0	72·3	72·3	72·3	72·6	72·7	73·4	73·4	73·6	75·8	76·8	77·3	78·1	77·8	77·1	77·3	73·9
12	76·4	75·9	75·6	75·5	75·2	74·9	74·5	74·2	74·4	74·6	74·9	75·1	75·2	75·4	75·1	74·1	74·1	74·2	73·7	73·4	72·6	73·3	72·9	74·2	74·6
13	74·0	74·1	73·0	72·9	73·0	72·6	73·3	74·0	73·3	74·2	74·5	74·4	74·9	74·6	75·0	75·4	75·6	76·4	77·0	76·7	76·9	76·7	77·1	77·4	74·8
14	78·0	80·0	79·9	79·9	79·9	79·6	79·1	79·2	78·3	77·6	77·2	77·3	77·4	77·5	76·8	76·0	75·6	75·6	75·6	75·5	74·8	74·3	74·0	73·0	77·3
15	73·6	74·2	74·1	72·6	73·3	74·2	73·8	73·3	73·6	74·2	74·4	74·6	75·0	75·7	75·8	75·8	75·9	76·0	77·0	77·2	77·7	77·8	77·0	77·2	75·1
16	78·3	78·6	79·6	79·4	78·6	78·3	78·3	77·8	77·3	77·2	77·3	76·9	77·2	76·8	76·8	76·3	76·6	76·5	76·1	76·0	75·4	75·7	75·6	75·7	77·2
17	76·0	76·6	76·7	77·1	77·5	77·2	76·4	77·9	78·6	79·1	78·6	78·5	79·7	82·2	82·3	82·3	82·3	82·1	81·6	81·2	82·0	81·8	81·6	81·0	79·5
18	80·4	80·1	80·4	80·0	79·8	79·1	79·0	79·2	81·5	80·2	79·6	80·3	79·9	79·6	79·2	78·2	77·3	76·8	75·8	75·2	75·5	75·3	74·9	75·1	78·6
19	74·9	75·0	74·9	75·2	74·9	74·8	75·2	75·8	75·8	76·0	76·4	77·6	78·4	78·5	78·9	78·7	79·4	80·0	80·2	80·2	80·3	80·3	80·3	80·2	77·5
20	80·3	80·6	80·6	80·6	80·7	80·6	80·3	80·2	80·3	80·6	80·7	80·7	80·5	80·5	80·4	80·5	80·4	80·4	80·9	81·1	80·7	80·6	80·5	80·4	80·5
21	80·6	81·0	81·1	81·2	81·2	81·2	81·2	81·2	81·2	81·0	81·0	81·2	81·2	81·4	81·3	81·0	80·8	80·8	80·8	80·6	80·6	80·7	81·0	81·2	81·0
22	81·3	79·0	78·0	77·6	77·3	76·7	76·7	76·8	77·1	77·6	78·0	78·1	78·3	77·1	76·6	76·7	75·8	76·0	75·6	76·0	75·1	75·6	75·1	74·1	77·1
23	74·3	75·6	74·7	74·6	74·1	73·2	73·0	73·6	73·2	73·7	74·1	75·2	76·2	76·2	76·5	76·6	76·8	76·8	77·0	77·6	77·4	77·7	77·8	77·8	75·5
24	77·8	77·8	78·2	78·1	78·0	78·0	78·1	78·2	79·1	78·8	79·1	79·3	79·5	79·4	79·7	80·0	81·4	81·4	81·6	81·4	81·1	80·8	80·8	80·8	79·5
25	81·0	80·5	80·8	80·9	80·8	81·0	80·3	79·4	80·0	80·5	80·7	80·6	81·4	80·8	81·2	80·7	80·3	80·0	79·8	79·5	79·4	79·5	79·3	79·3	80·4
26	79·0	78·7	78·4	77·5	77·3	76·9	77·1	77·1	77·1	77·0	77·0	77·4	78·3	77·7	77·5	77·2	76·2	75·6	76·3	76·0	75·7	75·0	74·6	74·8	77·0
27	75·1	75·0	74·6	74·6	74·6	74·7	74·8	74·9	75·0	75·3	75·6	76·1	76·3	76·6	76·7	76·5	76·6	76·6	76·6	76·5	76·7	76·7	76·6	75·7	75·7
28	75·6	76·0	74·6	73·7	73·2	72·6	72·0	71·2	70·7	71·8	72·9	73·3	73·7	73·8	74·1	73·7	73·5	73·1	72·9	72·8	72·8	72·8	72·8	72·8	73·2
29	72·8	72·8	73·0	73·1	73·2	73·4	73·6	74·1	74·3	74·5	74·9	75·6	76·3	79·6	79·6	78·7	77·2	77·7	76·2	75·5	74·6	73·4	72·8	72·1	75·0
30	71·8	71·7	73·3	73·3	73·0	74·6	75·3	76·3	77·4	78·5	79·2	79·3	79·4	79·5	79·7	79·8	80·0	80·1	80·1	80·2	80·4	80·5	80·5	80·6	77·5
31	80·7	81·0	80·9	81·0	81·1	81·2	81·3	81·2	81·2	80·9	80·2	80·8	80·7	80·2	80·6	80·7	80·7	80·3	80·1	80·1	80·2	80·3	80·3	80·3	80·7
Mean	76·3	76·3	76·2	76·1	76·0	75·9	75·8	75·8	75·9	76·2	76·5	76·9	77·3	77·4	77·1	76·9	76·8	76·9	76·8	76·7	76·6	76·5	76·4	76·4	76·5
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. – The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES
From readings in degrees absolute at exact hours, Greenwich Mean Time

194 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — 1936

Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
78·28	78·11	78·00	77·94	77·98	78·27	78·82	79·57	80·41	81·23	81·82	82·32	82·60	82·79	82·63	82·29	81·83	81·19	80·50	79·84	79·41	79·04	78·72	78·48	80·09

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

195 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	274·09	-0·40	-0·55	-0·63	-0·52	-0·70	-0·86	-0·77	-0·69	-0·71	-0·29	+0·33	+0·77	+1·21	+1·26	+1·19	+0·61	+0·39	+0·20	+0·11	+0·21	+0·20	+0·12	-0·18	-0·23
Feb.	273·54	-1·04	-1·13	-1·16	-1·11	-1·20	-1·32	-1·38	-1·30	-0·57	+0·38	+1·36	+2·09	+2·31	+2·47	+2·36	+1·84	+0·79	+0·05	-0·03	-0·27	-0·54	-0·70	-0·92	-1·00
Mar.	277·29	-1·52	-1·66	-1·75	-1·79	-1·70	-1·61	-1·35	-0·81	-0·00	+0·93	+1·45	+2·00	+2·05	+2·53	+2·46	+2·28	+1·79	+0·90	+0·13	-0·29	-0·74	-0·88	-1·08	-1·35
Apr.	277·08	-2·86	-3·11	-3·16	-3·47	-3·74	-3·36	-2·06	-0·05	+1·28	+2·12	+2·89	+3·61	+4·05	+3·93	+3·63	+3·57	+3·04	+2·13	+0·55	-0·72	-1·24	-1·94	-2·39	-2·72
May	282·28	-3·55	-3·79	-4·04	-4·28	-4·02	-2·96	-1·59	-0·06	+1·19	+2·26	+2·91	+3·77	+4·20	+4·62	+4·20	+3·96	+3·38	+2·44	+1·02	-0·51	-1·47	-2·10	-2·53	-3·05
June	285·62	-3·53	-3·84	-3·95	-3·94	-3·35	-2·35	-0·99	+0·16	+1·15	+2·06	+2·58	+3·18	+3·37	+3·68	+3·80	+3·54	+3·18	+2·49	+1·61	+0·22	-1·14	-1·99	-2·73	-3·23
July	286·02	-2·15	-2·42	-2·70	-2·65	-2·31	-1·59	-0·75	+0·03	+0·73	+1·53	+1·97	+2·23	+2·19	+2·40	+2·30	+2·01	+2·01	+1·57	+0·87	-0·07	-0·71	-1·05	-1·55	-1·87
Aug.	286·37	-2·45	-2·80	-2·99	-3·01	-2·97	-2·53	-1·55	-0·48	+0·87	+1·66	+2·28	+2·69	+3·03	+3·34	+3·26	+3·26	+2·76	+1·84	+0·73	-0·47	-0·95	-1·49	-1·92	-2·13
Sept.	285·01	-1·75	-1·81	-1·80	-1·92	-1·99	-2·02	-1·55	-0·55	+0·42	+1·44	+2·06	+2·63	+2·81	+3·03	+2·75	+2·21	+1·58	+0·55	-0·36	-0·80	-0·90	-1·09	-1·33	-1·62
Oct.	280·36	-1·62	-1·73	-1·80	-1·83	-1·73	-1·62	-1·58	-0·74	+0·58	+1·66	+2·05	+2·10	+2·42	+2·61	+2·46	+1·96	+1·30	+0·54	-0·05	-0·55	-0·82	-1·09	-1·26	-1·47
Nov.	276·58	-0·68	-0·67	-0·78	-0·80	-1·04	-1·06	-1·01	-1·04	-0·52	+0·25	+0·97	+1·39	+1·74	+1·71	+1·55	+0·80	+0·32	+0·15	+0·06	+0·08	-0·16	-0·38	-0·39	-0·48
Dec.	276·49	-0·13	-0·08	-0·22	-0·39	-0·49	-0·54	-0·67	-0·69	-0·57	-0·29	+0·04	+0·44	+0·80	+0·87	+0·64	+0·41	+0·32	+0·36	+0·28	+0·16	+0·05	-0·03	-0·11	-0·14
Year	280·09	-1·81	-1·97	-2·08	-2·14	-2·10	-1·82	-1·27	-0·52	+0·32	+1·14	+1·74	+2·24	+2·51	+2·70	+2·54	+2·20	+1·74	+1·11	+0·41	-0·25	-0·68	-1·05	-1·37	-1·61

† See page 23.

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY
Maximum and Minimum for the interval 0h to 24h Greenwich Mean Time

196 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	77·7	75·7	78·6	75·2	74·7	72·8	85·6	74·6	86·9	70·3	84·6	72·8	92·1	81·8	90·6	82·9	91·7	78·2	83·4	80·4	82·2	75·4	78·6	75·0
2	75·9	72·7	76·3	69·0	75·3	65·6	80·7	75·5	88·2	70·2	85·0	76·9	92·1	84·6	90·3	84·3	91·0	84·3	84·6	75·6	81·9	77·0	82·3	74·9
3	79·4	73·5	74·3	66·5	76·5	65·3	80·2	71·6	89·1	72·4	84·1	77·1	91·8	85·0	88·3	84·1	91·9	85·5	85·9	72·8	83·0	78·8	81·9	74·6
4	76·8	71·9	74·4	63·2	75·6	65·7	82·3	70·4	87·9	74·5	85·1	74·3	89·3	83·7	88·6	82·5	89·7	85·3	84·3	71·5	81·9	78·3	80·4	73·2
5	78·6	73·5	74·4	67·6	77·3	73·1	80·3	68·0	86·6	78·9	91·2	74·1	90·4	83·6	88·4	80·6	88·0	84·5	85·1	73·9	80·1	75·8	75·3	71·8
6	78·3	76·2	77·4	73·0	80·6	73·3	83·7	65·6	85·2	79·4	87·6	81·4	93·4	85·7	86·9	79·8	89·1	83·9	85·3	72·4	81·3	75·3	74·7	68·6
7	77·8	75·0	75·0	67·4	78·9	74·4	84·7	72·1	86·1	79·4	88·0	78·3	92·2	86·0	91·6	77·3	88·3	83·7	84·9	71·2	79·7	76·4	72·3	64·4
8	79·6	76·2	78·6	65·0	80·2	77·4	85·0	77·2	88·8	78·2	86·7	75·0	90·8	81·3	90·9	79·7	91·2	80·1	83·7	71·7	79·4	75·4	78·7	72·3
9	82·2	78·4	78·4	70·1	77·4	73·6	84·6	71·8	89·8	78·1	90·7	79·1	91·7	76·8	90·3	78·3	90·7	77·9	83·6	76·9	76·0	69·6	77·1	68·5
10	80·7	76·6	75·7	69·7	78·3	74·6	85·3	67·9	91·8	77·2	90·5	78·7	90·8	79·6	91·4	76·1	88·2	85·8	83·0	75·1	78·2	68·8	77·3	74·8
11	76·6	72·6	75·2	67·2	80·7	70·1	80·8	73·7	93·2	76·0	90·2	78·0	89·9	81·3	92·9	83·5	90·9	86·8	85·0	73·8	79·1	74·6	78·2	71·6
12	76·4	70·3	75·7	62·0	77·6	69·7	79·4	72·8	87·3	77·6	89·1	80·3	88·2	83·8	91·4	81·4	88·5	83·4	86·5	77·7	79·6	77·6	76·3	72·2
13	76·2	70·9	75·3	61·7	75·4	70·0	79·7	73·4	88·3	72·0	87·9	77·3	91·7	84·1	89·0	77·2	91·0	83·3	84·6	79·3	78·8	74·4	77·4	71·6
14	73·8	65·2	77·2	70·2	75·1	72·7	77·6	73·4	87·0	72·8	85·3	75·2	89·9	83·9	88·3	85·4	91·0	82·5	87·3	81·2	80·3	74·4	80·1	73·0
15	71·3	64·7	78·4	67·9	82·0	68·9	79·0	70·7	90·0	81·4	86·1	75·3	91·5	82·8	89·7	86·3	90·0	84·5	86·3	81·5	80·9	75·2	77·8	72·6
16	72·6	67·9	76·1	65·1	78·7	68·0	79·7	68·5	93·0	81·1	85·6	79·1	89·9	80·9	93·2	86·3	90·6	84·0	85·7	81·4	81·4	77·2	79·8	75·2
17	72·8	67·2	77·3	70·4	82·0	77·2	81·2	69·4	84·7	80·7	88·2	77·6	87·0	79·3	89·0	80·5	91·0	84·3	85·4	78·3	79·3	77·2	82·4	75·6
18	73·5	66·9	81·3	76·4	83·6	75·1	81·1	67·6	93·0	81·6	96·2	77·6	89·6	86·2	88·7	76·4	90·2	81·9	83·7	76·6	79·7	73·2	81·6	74·7
19	70·2	59·7	78·9	73·6	85·2	76·1	81·2	70·2	92·7	80·5	97·2	84·6	89·2	85·9	85·7	82·4	87·9	84·4	81·8	73·8	76·5	68·9	80·4	74·5
20	73·4	69·0	79·0	74·1	85·5	78·0	81·5	67·5	85·9	74·1	95·7	85·5	90·0	83·1	90·1	78·4	88·6	82·7	83·3	74·0	77·7	67·9	81·2	80·1
21	74·6	71·0	76·1	72·6	87·5	79·3	80·5	64·9	87·6	72·5	99·9	83·2	89·0	79·0	89·7	81·3	89·4	78·9	86·3	82·9	78·2	70·3	81·6	80·4
22	73·2	67·9	77·7	74·3	88·4	80·1	80·3	69·4	87·6	76·9	94·3	85·4	86·5	77·3	90·3	81·0	91·2	78·8	87·4	82·9	78·3	67·3	81·5	74·0
23	76·2	70·6	75·1	73·6	87·4	78·3	82·1	64·5	84·6	77·8	90·9	85·4	88·0	81·2	89·9	84·0	89·0	75·1	83·3	77·0	75·3	66·9	77·9	72·3
24	74·6	70·9	76·4	74·1	86·6	76·9	84·3	75·4	81·2	79·1	93·5	85·4	85·5	83·9	93·5	88·4	88·6	81·4	84·7	76·0	76·2	67·6	81·7	77·7
25	76·2	73·9	77·9	73·6	79·0	75·9	85·3	79·3	85·6	79·9	94·5	84·3	86·8	83·3	93·7	87·3	86·4	78·3	83·7	74·0	76·6	69·8	81·4	79·0
26	76·1	74·5	79·0	73·9	77·3	75·7	84·1	78·3	90·6	78·6	96·0	85·4	88·9	81·3	94·2	82·7	83·3	77·2	83·3	74·6	75·7	69·9	79·3	74·4
27	77·8	74·7	76·6	73·1	80·5	76·7	87·8	78·4	85·3	73·3	97·0	83·6	90·3	76·8	95·6	80·0	85·0	78·2	79·3	74·2	78·3	73·4	76·8	74·5
28	77·0	73·5	76·6	72·1	84·3	75·2	82·3	77·2	87·7	72·5	95·5	83·6	89·0	82·8	94·6	76·7	85·5	74·1	81·7	69·5	77·3	72·2	75·7	70·5
29	76·3	73·4	75·2	73·0	84·3	75·8	83·8	76·1	87·7	78·6	90·8	84·2	90·8	80·8	94·2	78·7	84·6	71·6	85·2	69·3	84·4	75·6	80·2	72·1
30	78·1	69·2			83·0	76·2	86·6	73·5	83·3	75·4	90·2	82·0	86·7	77·9	90·4	85·2	86·1	81·5	83·0	77·1	83·6	75·0	80·6	71·4
31	78·4	75·5			83·9	76·4			83·8	71·9			90·6	84·0	90·7	83·3			82·0	72·7			81·4	80·0
Mean	76·2	71·6	76·8	70·2	80·7	73·8	82·4	72·0	87·8	76·5	90·6	80·0	89·8	82·2	90·7	81·7	89·0	81·4	84·3	75·8	79·4	73·3	79·1	73·7

Note.- The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees is printed 75·0

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

197 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres. JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	96	97	97	97	97	93	97	92	92	97	93	93	93	95	92	88	88	88	90	93	97	97	96	94	93·8	7·5
2	94	93	93	91	96	96	96	96	96	96	96	94	93	93	93	93	96	96	96	96	94	94	96	96	94·7	6·4
3	96	98	90	85	90	93	90	92	90	85	83	83	75	80	78	82	83	87	85	75	89	85	85	87	86·4	6·8
4	88	85	75	81	85	84	89	87	85	85	84	71	71	75	79	90	89	90	91	92	93	93	92	94	85·2	5·8
5	94	96	98	96	91	98	98	96	98	98	96	97	96	93	94	92	83	84	85	87	85	82	78	83	91·8	7·0
6	82	80	77	77	78	76	79	78	80	81	81	84	89	87	84	82	84	87	85	90	89	90	92	93	83·3	7·0
7	93	96	96	96	92	92	90	93	92	90	90	87	94	96	90	96	93	94	93	93	93	93	93	95	92·5	7·4
8	95	92	92	92	95	93	93	92	93	93	93	92	85	82	87	90	93	97	99	99	99	100	100	99	93·5	7·8
9	99	99	99	100	100	99	97	96	94	97	94	91	91	91	93	94	93	92	91	93	96	98	94	88	95·2	9·4
10	87	91	85	88	90	93	94	94	91	93	93	94	91	86	86	87	90	88	89	89	86	90	93	92	89·9	8·6
11	91	84	89	82	85	74	73	76	79	76	76	75	69	66	69	66	75	83	82	82	78	80	80	84	78·3	5·3
12	86	86	88	91	90	91	90	90	90	90	89	87	68	82	87	90	90	92	92	89	84	87	89	84	87·6	5·4
13	85	92	94	89	90	89	91	96	96	85	79	73	68	69	72	75	76	75	73	69	75	75	80	82	81·2	5·4
14	84	84	82	81	82	85	82	82	82	84	81	80	56	55	59	64	69	72	76	80	82	84	84	84	76·4	3·5
15	84	84	84	84	84	84	84	83	84	86	88	87	86	76	76	81	83	85	85	86	89	90	91	91	84·6	3·3
16	92	93	93	93	92	91	91	94	96	96	96	95	97	96	98	89	83	88	91	77	76	78	80	78	90·0	4·6
17	78	77	78	78	77	74	72	72	71	72	75	68	70	71	76	80	96	97	74	70	81	83	78	78	76·9	3·9
18	80	85	80	76	74	72	70	66	66	66	71	72	75	73	76	76	76	80	78	76	81	82	82	85	75·6	4·1
19	87	89	89	96	97	96	95	95	93	93	95	95	95	94	96	96	95	93	86	80	85	84	84	85	91·5	3·1
20	89	89	96	96	96	96	99	100	100	100	100	100	100	100	100	100	100	100	100	100	99	99	99	99	98·0	5·7
21	99	99	99	93	87	86	85	80	80	82	83	78	84	82	83	80	79	74	76	74	74	68	68	76	82·5	5·2
22	82	86	88	94	96	98	99	99	98	94	92	90	87	87	84	85	86	88	90	93	95	87	84	81	90·0	5·0
23	83	81	84	82	80	75	75	80	82	77	72	77	79	69	80	79	90	90	89	90	90	89	90	93	82·1	5·5
24	94	94	96	97	97	98	98	98	98	98	98	98	98	98	93	96	94	91	94	96	96	94	93	93	95·8	5·8
25	85	79	82	79	75	80	87	89	89	89	87	89	91	88	93	96	94	96	96	96	93	94	94	96	89·0	6·4
26	96	96	96	96	96	96	96	96	98	94	96	98	98	98	98	100	98	98	98	98	98	94	96	96	96·9	7·0
27	98	93	91	89	93	91	91	93	93	97	95	98	97	96	95	95	97	95	93	96	97	96	90	95	94·3	7·3
28	97	95	96	98	98	98	98	98	95	98	98	100	96	98	93	93	96	94	94	100	100	100	100	98	97·1	7·0
29	96	94	93	88	94	96	96	98	94	87	89	87	87	86	87	87	87	89	89	93	91	87	89	94	90·8	6·4
30	95	96	97	98	100	100	100	100	100	96	97	98	93	94	94	90	96	98	97	93	95	95	97	98	96·5	6·7
31	96	96	96	96	98	98	98	98	98	100	98	98	98	94	89	97	97	98	98	98	98	98	98	98	97·1	7·6
Mean	90·4	90·3	90·1	89·7	90·2	90·0	90·1	90·3	90·1	89·5	89·0	87·4	86·2	85·2	86·3	87·5	88·7	89·7	88·8	88·5	89·6	89·2	89·3	90·0	89·0	†6·1
Vapour Pressure*	mb 5·8	mb 5·7	mb 5·7	mb 5·7	mb 5·7	mb 5·6	mb 5·6	mb 5·7	mb 5·7	mb 5·8	mb 6·0	mb 6·1	mb 6·2	mb 6·2	mb 6·2	mb 6·0	mb 6·0	mb 6·0	mb 5·9	mb 5·9	mb 6·0	mb 6·0	mb 5·8	mb 5·8	mb ‡5·9	

198 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres FEBRUARY, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	97	100	100	98	98	98	98	98	97	97	96	90	91	94	94	96	96	92	93	93	95	92	91	91	95·4	7·8
2	91	89	91	89	88	84	87	86	83	75	78	80	64	69	66	70	73	73	71	73	75	71	75	77	78·5	5·1
3	76	72	80	80	76	70	77	71	66	66	63	63	59	57	57	56	61	66	65	69	71	72	71	73	68·3	3·8
4	73	74	75	75	79	78	80	81	83	82	78	73	56	55	56	61	76	83	86	87	88	88	90	92	76·7	3·3
5	93	92	88	86	81	81	81	81	80	77	77	76	75	75	76	79	84	86	88	87	87	88	90	91	83·3	4·7
6	94	92	94	93	93	92	91	83	75	74	73	69	66	68	66	63	66	69	67	71	73	72	76	71	77·5	5·6
7	73	72	67	64	68	69	71	72	71	70	67	60	49	42	40	43	45	49	56	63	65	68	67	66	61·7	3·7
8	64	65	65	64	65	64	64	65	64	62	40	33	33	37	43	48	54	68	78	82	83	85	84	85	61·8	3·3
9	85	85	92	91	91	88	85	82	75	71	73	72	73	60	42	51	60	68	74	77	76	75	90	87	75·9	5·0
10	84	80	79	76	76	74	72	70	68	62	57	52	54	56	56	59	60	63	64	65	66	70	70	71	67·2	4·0
11	72	74	71	70	71	77	78	70	66	64	52	43	45	44	42	50	57	64	68	78	77	80	87	88	65·8	3·4
12	90	92	92	92	93	94	94	94	94	97	85	78	70	66	62	60	71	82	83	87	86	90	90	88	84·6	3·8
13	91	92	91	87	83	86	87	86	86	87	86	78	75	80	86	92	99	99	99	99	97	94	94	92	89·3	3·9
14	90	89	86	85	86	87	85	86	86	80	66	47	40	42	45	45	50	58	63	69	70	72	71	71	70·0	4·3
15	74	74	75	75	80	81	84	86	84	80	75	66	64	65	66	73	74	79	85	88	90	92	94	92	78·5	5·0
16	92	95	94	94	96	97	98	99	100	100	100	99	99	98	94	93	98	100	100	100	100	99	97	96	97·3	4·8
17	93	86	86	86	86	86	86	89	90	90	89	88	88	85	83	87	87	90	92	92	92	92	92	92	88·7	6·0
18	90	88	88	86	89	86	87	87	87	92	96	97	97	93	86	82	87	94	88	87	91	97	98	100	90·4	8·1
19	100	100	95	96	94	97	97	97	92	87	89	74	94	92	94	96	96	96	94	96	96	97	95	95	94·3	7·3
20	95	93	93	93	93	93	94	93	89	85	83	75	64	68	64	74	78	87	93	93	96	93	91	90	86·3	6·6
21	94	89	92	94	98	96	96	98	96	96	94	96	92	89	90	89	94	94	91	93	94	93	93	95	93·5	6·2
22	93	95	95	93	95	95	93	94	97	96	87	87	87	86	89	92	90	85	88	91	93	91	90	89	91·4	7·1
23	92	90	89	90	90	90	87	87	87	87	94	89	87	91	93	93	96	98	96	94	93	93	93	94	91·3	6·2
24	94	93	94	93	92	94	93	93	93	96	93	93	91	91	93	89	91	91	93	91	91	93	91	93	92·5	6·5
25	91	92	92	94	94	94	94	96	94	89	87	71	66	61	64	68	75	80	75	82	90	90	92	94	84·3	5·8
26	98	93	96	98	93	94	100	97	98	97	93	96	94	89	92	88	89	88	91	91	93	93	96	94	93·8	7·2
27	94	96	94	93	96	98	98	98	96	98	93	94	87	93	93	94	94	94	96	96	96	96	98	100	95·1	6·4
28	96	96	96	98	94	92	93	94	93	92	96	82	93	93	93	94	94	94	96	95	91	91	94	93	93·8	6·3
29	91	93	93	98	96	98	98	96	94	92	89	89	87	86	86	84	82	85	85	85	90	87	86	82	89·9	5·9
Mean	88·3	87·7	87·7	87·3	87·4	87·3	87·5	87·2	85·7	84·2	81·1	76·2	73·8	73·3	78·8	74·7	76·5	81·9	83·4	85·7	86·4	86·7	87·8	87·7	83·3	†5·4
Vapour Pressure*	mb 5·2	mb 5·1	mb 5·1	mb 5·1	mb 5·1	mb 5·0	mb 5·0	mb 5·0	mb 5·2	mb 5·5	mb 5·7	mb 5·6	mb 5·5	mb 5·6	mb 5·5	mb 5·4	mb 5·3	mb 5·2	mb 5·3	mb 5·3	mb 5·3	mb 5·2	mb 5·2	mb 5·2	mb ‡5·3	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperatures and the mean relative humidities †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

199 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	83	84	81	80	86	87	89	88	92	87	74	74	70	66	66	78	71	70	73	73	76	74	74	75	78·1	5·0
2	80	80	85	81	78	76	76	76	73	72	70	69	69	65	63	65	67	72	73	76	80	81	83	85	74·6	4·3
3	86	87	88	89	91	91	91	94	96	93	87	78	70	66	65	67	69	74	80	85	85	84	83	80	82·6	4·3
4	81	81	84	85	87	93	93	93	97	97	90	80	82	91	94	98	96	100	100	100	98	100	100	93	92·0	5·1
5	90	91	96	94	94	96	91	92	89	90	87	82	86	83	80	83	82	83	90	93	89	92	92	94	89·1	6·2
6	96	96	96	100	98	96	87	85	82	84	80	76	79	70	76	71	78	83	88	89	87	93	93	93	86·5	6·7
7	93	96	96	96	96	94	93	96	91	88	87	88	90	90	90	90	96	96	95	96	96	96	94	93	93·2	7·5
8	93	94	96	94	96	96	96	96	97	97	97	98	98	94	93	93	90	94	96	97	97	97	97	98	95·5	8·8
9	97	93	93	93	96	94	94	93	93	96	96	96	98	96	96	98	96	96	96	94	92	91	93	94	94·8	6·6
10	96	98	98	96	98	98	98	93	93	96	97	95	89	90	88	90	92	93	91	94	93	86	86	87	93·3	7·0
11	100	98	94	96	94	90	90	88	85	83	73	69	63	57	55	59	74	82	86	87	86	87	89	89	82·2	5·8
12	88	88	92	92	94	94	94	92	86	74	64	62	66	65	59	62	63	73	77	82	89	87	91	92	80·2	5·5
13	91	89	90	91	91	90	88	87	82	78	75	75	74	75	74	77	77	76	85	87	87	82	81	81	82·8	5·2
14	79	79	77	78	78	77	79	79	78	75	73	73	64	63	63	65	68	73	76	80	81	81	81	81	75·0	4·8
15	84	84	82	81	82	85	84	82	87	81	82	73	67	66	75	70	72	82	85	86	90	90	92	92	81·2	5·9
16	92	93	93	95	96	98	98	96	95	90	85	91	93	93	98	97	100	100	100	97	98	99	98	100	95·5	6·4
17	96	97	99	99	99	99	97	96	91	91	91	93	91	87	87	88	86	88	88	90	87	87	88	92	92·1	9·2
18	90	95	98	96	96	96	96	98	96	87	79	70	68	67	65	75	78	88	94	96	94	91	90	90	87·3	8·1
19	90	90	92	95	97	97	93	88	78	53	41	49	40	36	36	42	50	57	61	65	77	71	76	81	69·2	7·0
20	82	81	96	90	90	94	91	81	83	84	81	76	71	72	74	81	84	96	98	99	99	98	99	99	87·1	9·7
21	99	98	99	99	98	98	93	91	72	70	70	61	69	68	63	66	61	75	82	81	80	88	89	87	81·8	10·0
22	86	84	88	85	86	85	85	82	73	65	57	57	57	58	64	57	69	70	74	76	76	81	78	82	74·0	9·6
23	82	83	87	86	88	90	93	91	89	78	77	72	65	60	68	74	77	78	85	86	89	91	91	96	82·0	9·4
24	97	96	100	94	95	92	92	87	77	67	56	47	55	52	54	51	53	71	71	79	77	85	85	87	76·0	8·4
25	88	90	93	93	93	95	97	98	98	95	92	90	92	89	88	89	94	97	97	95	97	95	97	96	93·5	7·7
26	96	94	95	93	93	93	91	93	93	95	97	97	95	97	95	90	92	90	90	92	93	95	93	95	93·6	7·4
27	95	93	93	95	93	93	93	93	92	92	89	94	97	96	93	93	93	93	91	94	94	94	93	94	93·4	8·1
28	94	93	88	88	90	88	88	88	88	85	81	76	79	79	74	71	74	84	87	92	93	90	84	90	85·3	8·5
29	88	93	86	86	82	86	81	86	92	89	88	91	92	95	95	94	97	97	95	95	95	98	98	98	91·4	9·8
30	98	99	98	99	99	98	95	91	87	83	89	89	92	88	87	77	86	83	80	88	89	93	95	98	90·9	9·5
31	96	99	100	100	100	100	99	96	96	92	89	77	85	79	80	82	74	75	77	86	89	90	97	93	89·7	9·1
Mean	90·5	90·8	92·0	91·6	92·0	92·2	91·1	90·0	87·8	84·1	80·5	78·0	77·6	75·9	76·1	77·2	79·3	83·5	85·8	88·1	88·8	89·3	89·7	90·5	85·9	†7·3
Vapour Pressure*	mb 6·7	mb 6·7	mb 6·7	mb 6·7	mb 6·8	mb 6·8	mb 6·9	mb 7·1	mb 7·3	mb 7·4	mb 7·4	mb 7·4	mb 7·4	mb 7·5	mb 7·5	mb 7·5	mb 7·5	mb 7·4	mb 7·2	mb 7·2	mb 7·0	mb 7·0	mb 6·9	mb 6·8	mb ‡7·1	

200 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — APRIL, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	93	98	95	96	96	96	93	88	81	77	69	65	61	60	65	73	79	81	83	89	92	96	94	96	84·0	8·2
2	94	97	92	92	93	91	95	87	78	69	65	66	67	57	64	63	70	72	80	75	79	82	85	84	79·3	6·7
3	84	89	91	91	91	91	85	74	68	62	55	55	52	51	58	58	59	68	74	72	75	79	80	80	72·7	5·4
4	80	78	78	76	75	74	72	68	65	60	56	55	56	47	36	46	49	57	71	75	84	87	88	90	67·4	5·1
5	92	93	95	95	96	96	96	80	60	53	57	63	60	55	53	57	58	63	70	75	84	86	86	88	75·5	5·2
6	89	90	91	92	92	94	97	96	83	60	54	50	48	58	67	71	74	78	74	84	81	83	84	85	78·2	5·7
7	85	88	89	80	87	87	87	78	63	56	54	49	42	37	35	41	42	54	60	72	73	75	81	82	66·3	6·1
8	84	84	85	85	82	84	87	75	68	61	60	61	56	63	62	61	63	68	74	79	79	85	84	86	73·9	7·7
9	82	85	90	85	89	80	87	63	56	52	53	50	45	44	50	47	55	57	71	75	76	80	88	95	68·7	6·3
10	95	96	98	98	96	95	98	80	52	53	52	44	48	46	45	59	60	69	74	80	80	85	89	82	74·2	6·1
11	78	70	74	73	68	72	69	54	54	45	51	45	45	47	82	48	53	63	65	80	79	89	82	78	65·3	5·2
12	78	78	75	98	98	97	95	84	69	77	64	64	49	63	63	62	52	51	62	69	72	74	75	77	72·7	5·2
13	80	81	77	77	87	89	92	91	94	94	87	75	80	80	83	73	82	87	91	89	88	89	92	94	85·2	6·1
14	94	94	89	92	89	87	85	85	88	91	88	85	79	83	81	77	71	75	73	72	73	70	68	71	82·2	5·8
15	71	69	72	73	73	72	71	68	62	55	52	58	52	57	59	59	63	58	68	77	85	85	85	83	67·5	4·8
16	84	86	87	86	87	87	87	87	85	85	73	56	46	42	47	48	53	62	81	86	87	87	89	89	75·2	5·0
17	85	85	85	86	85	85	79	74	58	62	73	57	48	44	48	50	50	68	80	77	83	83	83	85	71·5	5·0
18	87	88	88	90	89	91	92	73	83	82	87	85	70	78	78	71	45	70	75	79	79	76	76	77	79·7	5·3
19	79	80	81	82	81	80	78	60	57	46	52	37	39	32	67	36	60	55	59	68	76	82	85	85	64·7	4·7
20	85	85	86	84	86	89	87	73	57	36	45	33	45	33	50	80	69	86	78	88	85	86	89	91	71·8	4·7
21	91	90	92	90	89	90	94	85	66	48	37	37	37	40	43	54	57	60	68	75	77	80	85	85	69·7	4·3
22	87	87	89	94	94	90	76	65	61	46	35	35	34	37	37	37	38	34	53	67	74	81	84	86	63·3	4·4
23	89	88	92	92	93	93	91	78	43	53	42	37	40	55	53	53	54	66	83	91	93	93	93	91	73·1	5·1
24	91	91	92	95	92	95	93	92	91	85	64	55	64	65	71	73	90	96	96	98	98	98	99	99	86·6	8·4
25	96	92	94	91	89	86	83	77	78	70	70	68	62	68	73	76	78	84	89	96	94	96	96	94	83·4	9·3
26	93	94	94	94	96	93	90	87	86	81	84	71	77	78	81	67	59	63	69	80	79	84	87	84	82·3	8·6
27	85	86	87	85	82	80	81	60	61	55	51	52	52	49	46	45	52	55	60	73	74	79	84	88	67·5	7·8
28	88	91	91	86	85	85	86	80	73	70	86	93	91	92	94	94	92	91	92	93	88	94	97	92	88·4	8·9
29	92	93	90	93	94	94	93	85	73	71	70	66	64	64	65	71	69	82	69	74	84	92	83	84	79·1	8·3
30	90	84	85	71	73	72	65	57	49	44	47	46	46	48	48	48	46	49	64	75	78	81	93	96	64·5	6·9
Mean	86·7	87·0	87·5	87·4	87·6	87·2	86·1	76·8	68·7	63·3	61·1	57·1	55·2	55·7	60·1	59·9	61·4	66·7	73·5	79·4	81·6	84·6	86·1	86·6	74·5	†8·2
Vapour Pressure*	mb 5·8	mb 5·7	mb 5·7	mb 5·6	mb 5·5	mb 5·6	mb 6·1	mb 6·3	mb 6·2	mb 6·0	mb 6·1	mb 6·0	mb 6·0	mb 6·0	mb 6·3	mb 6·3	mb 6·2	mb 6·3	mb 6·2	mb 6·2	mb 6·1	mb 6·0	mb 5·9	mb 5·8	mb ‡6·0	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperatures and the mean relative humidities †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

201 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	94	93	96	97	97	98	90	67	56	45	41	43	41	43	45	41	42	43	60	76	79	77	82	83	68·2	6·6
2	88	92	92	93	94	95	95	71	60	51	43	42	40	46	46	45	44	50	66	71	80	82	87	91	69·2	7·0
3	89	91	92	92	92	92	87	70	47	31	32	34	39	37	36	45	51	55	63	85	83	84	87	90	66·8	6·7
4	89	91	91	91	88	90	87	83	77	67	62	61	54	44	61	55	48	62	81	85	84	86	82	84	75·3	8·1
5	86	87	91	93	94	94	93	89	89	90	85	81	70	71	74	68	86	88	89	93	93	91	94	94	86·6	9·4
6	94	94	94	94	94	93	94	89	91	85	85	87	88	86	80	83	87	89	96	96	98	98	98	99	91·2	10·1
7	98	99	98	99	98	98	99	92	93	87	85	87	80	73	78	87	88	90	91	91	93	94	96	96	91·3	10·1
8	96	94	94	93	94	90	81	69	57	48	48	46	42	40	43	43	52	61	74	82	87	87	91	90	71·0	8·7
9	89	89	87	88	88	85	76	72	72	66	55	51	46	51	46	47	45	53	65	70	74	77	83	86	69·3	8·6
10	86	84	89	90	82	78	70	63	58	51	48	41	43	42	41	41	43	44	52	54	55	63	74	77	61·4	8·4
11	80	76	84	80	83	72	69	46	42	45	44	40	38	45	45	33	34	50	53	64	76	82	88	90	60·5	8·6
12	92	91	94	94	91	93	86	90	87	82	72	62	77	87	78	84	85	83	84	88	88	83	90	90	85·5	10·2
13	93	91	89	92	94	85	75	54	44	44	42	43	39	43	49	52	58	66	73	85	93	96	96	93	70·3	7·7
14	90	93	96	98	96	87	76	75	62	56	59	52	51	44	48	42	47	48	59	67	75	84	84	86	70·0	7·9
15	78	83	84	83	84	81	73	65	78	71	61	54	60	50	54	56	58	66	76	82	90	89	87	84	72·8	10·2
16	85	84	85	81	77	81	79	80	76	71	59	56	54	57	60	65	68	71	75	81	83	88	94	94	75·0	11·4
17	94	93	93	93	96	96	98	96	98	98	96	96	94	93	94	92	91	97	98	97	98	98	97	97	95·5	11·6
18	97	95	95	94	94	95	95	94	89	88	76	74	62	51	47	43	45	53	75	87	95	93	92	92	80·1	12·2
19	94	96	93	93	91	88	75	68	55	51	36	34	35	34	41	57	58	64	70	67	69	74	69	70	66·4	9·9
20	74	78	78	79	77	64	60	59	55	57	48	52	54	56	58	57	58	60	66	75	78	83	82	84	66·0	7·5
21	92	89	86	84	78	67	63	55	51	47	48	46	40	40	44	46	53	59	66	73	75	74	71	79	63·7	6·8
22	81	81	82	89	80	80	71	77	76	84	79	54	51	47	60	84	81	80	86	85	88	90	94	97	77·8	8·6
23	96	92	90	89	94	91	85	81	72	71	67	62	60	60	61	58	55	55	55	76	80	88	88	91	75·8	8·1
24	87	88	87	86	86	84	85	86	80	71	83	88	88	82	74	77	78	71	74	88	86	91	93	93	83·5	8·5
25	94	94	94	94	93	93	96	93	92	92	92	89	79	77	66	67	64	72	82	89	93	94	95	98	87·0	10·9
26	96	100	99	100	99	95	90	90	91	85	80	73	75	74	76	73	76	76	80	88	91	90	93	89	86·8	12·7
27	89	92	91	89	95	89	79	79	77	75	75	58	59	60	60	56	54	61	65	73	75	79	87	92	75·3	8·5
28	85	84	85	82	74	66	62	58	49	48	42	36	42	42	50	54	60	59	66	72	64	72	71	76	62·8	6·7
29	76	78	86	83	77	75	74	71	62	52	52	56	63	62	82	84	83	80	80	84	85	86	88	89	75·0	8·9
30	86	87	89	87	87	89	80	82	72	65	54	52	62	44	58	55	52	70	62	84	71	77	78	82	72·0	6·8
31	87	80	84	81	72	54	49	48	48	45	49	54	45	47	54	46	52	57	69	75	84	88	87	91	64·3	5·9
Mean	88·9	89·0	89·9	89·7	88·3	85·1	80·4	74·6	69·5	65·1	61·2	58·2	57·1	55·7	58·3	59·2	61·2	65·6	72·6	80·1	82·7	85·1	87·0	88·6	74·7	†8·8
Vapour Pressure*	mb 8·2	mb 8·0	mb 8·0	mb 7·8	mb 7·8	mb 8·1	mb 8·4	mb 8·7	mb 8·8	mb 8·9	mb 8·7	mb 8·7	mb 8·8	mb 8·9	mb 9·0	mb 9·0	mb 9·0	mb 9·0	mb 9·1	mb 9·1	mb 8·8	mb 8·6	mb 8·6	mb 8·4	mb ‡8·6	

202 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — JUNE, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	94	93	93	91	83	84	79	70	60	56	70	67	56	54	58	54	54	58	58	77	84	85	86	87	73·0	7·0
2	90	87	88	89	87	83	73	65	72	70	61	59	77	69	70	82	83	82	82	84	85	87	88	83	79·1	8·0
3	86	87	84	81	78	72	61	65	49	51	47	49	51	44	50	51	45	48	57	68	65	71	70	75	62·9	6·5
4	84	85	83	80	80	79	76	73	70	67	66	54	50	49	47	41	39	39	51	63	72	80	84	85	66·3	6·9
5	82	84	85	86	78	73	65	52	44	43	40	36	39	31	36	36	35	42	38	57	66	66	66	62	56·4	7·3
6	74	84	88	91	92	92	90	82	76	65	61	55	59	55	54	49	55	69	68	72	75	77	81	79	71·9	9·4
7	78	79	79	77	79	71	60	57	48	47	39	42	41	46	44	47	49	49	57	62	76	76	75	75	60·6	7·6
8	82	82	85	94	84	77	67	62	60	58	60	61	66	69	64	80	82	77	72	73	79	79	89	79	75·0	9·0
9	83	86	78	78	71	79	74	71	63	59	61	62	65	65	69	75	80	87	89	91	95	96	96	96	77·5	11·3
10	94	91	87	82	76	74	61	59	67	65	60	56	50	47	46	50	50	60	63	75	76	83	84	83	68·6	9·9
11	85	84	85	89	83	78	66	64	57	54	62	60	52	49	49	53	75	78	81	90	95	94	94	95	73·6	10·1
12	94	89	88	92	86	78	76	76	72	60	54	54	69	77	78	77	79	79	81	84	88	81	89	89	78·9	10·4
13	89	86	82	86	83	86	87	84	79	66	63	56	54	58	55	59	53	55	59	74	82	86	90	96	73·5	9·1
14	95	98	95	97	96	93	72	70	79	71	80	95	97	97	96	97	98	98	90	84	90	93	94	97	90·5	10·3
15	97	98	96	95	96	91	91	75	80	83	77	69	75	71	76	70	71	64	67	69	76	90	90	98	81·8	9·1
16	96	96	91	96	96	99	99	99	97	99	99	99	95	97	98	99	99	99	98	97	98	97	98	98	97·5	12·3
17	99	98	97	94	96	96	97	97	96	97	93	93	96	83	82	81	75	71	72	79	88	89	91	90	89·7	12·0
18	90	94	90	91	84	73	62	66	64	60	63	56	57	60	58	63	68	59	65	76	76	78	84	86	71·9	12·8
19	88	88	91	89	83	76	75	67	64	64	58	54	54	56	53	53	49	50	63	66	74	74	78	77	68·7	14·6
20	73	81	83	75	72	68	65	64	66	68	70	67	69	65	59	55	54	51	52	54	45	54	62	73	64·5	12·3
21	67	67	70	76	74	72	70	61	61	60	62	58	56	57	45	44	60	63	69	80	81	85	86	88	66·9	14·8
22	88	93	96	96	96	94	94	92	91	86	83	76	81	76	73	77	84	88	94	94	95	96	97	97	88·8	15·8
23	97	97	97	96	96	95	96	95	91	89	77	78	76	80	78	75	74	76	82	86	89	96	94	97	87·8	14·6
24	96	95	98	97	99	99	98	98	98	97	88	82	75	70	67	73	71	75	84	92	91	97	99	99	89·0	15·7
25	99	99	99	100	100	100	100	90	79	76	76	78	81	75	71	71	72	63	77	80	84	86	86	88	84·8	15·4
26	88	90	93	93	90	84	78	70	68	75	70	66	65	65	63	63	62	72	68	75	72	74	78	89	75·5	15·3
27	92	89	83	87	85	80	73	67	55	65	61	58	53	56	62	62	58	65	72	70	78	74	81	80	71·3	14·4
28	78	85	85	91	89	87	80	73	69	66	67	63	68	59	55	59	67	71	74	81	86	87	94	94	75·9	14·6
29	98	98	97	97	98	96	96	90	90	92	82	80	76	77	75	79	83	89	91	92	94	96	95	94	89·8	14·5
30	96	96	95	96	95	95	89	95	89	86	85	87	87	87	85	79	79	75	77	82	91	94	95	97	88·7	13·5
Mean	88·4	89·3	88·7	89·4	86·8	84·1	79·0	75·0	71·8	69·8	67·8	65·7	66·3	64·8	64·5	65·1	66·8	68·4	71·7	77·6	81·5	84·0	86·5	87·5	76·7	†11·5
Vapour Pressure*	mb 10·1	mb 10·0	mb 9·9	mb 10·0	mb 10·1	mb 10·5	mb 10·8	mb 11·0	mb 11·3	mb 11·7	mb 11·7	mb 11·8	mb 12·1	mb 12·0	mb 12·1	mb 12·0	mb 12·0	mb 11·8	mb 11·7	mb 11·6	mb 11·1	mb 10·8	mb 10·6	mb 10·4	mb ‡11·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperatures and the mean relative humidities †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

203 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	96	95	89	94	89	92	87	84	78	78	68	74	73	77	68	69	75	81	91	95	93	93	95	95	84·6	14·0
2	97	97	96	96	97	97	94	88	79	70	56	71	59	71	62	60	68	78	79	85	91	90	92	93	82·0	13·7
3	95	96	94	94	93	89	85	84	86	83	68	68	75	63	68	75	80	82	86	92	92	95	95	94	84·7	14·1
4	89	89	88	87	87	88	87	78	77	76	63	74	82	76	80	90	87	86	93	94	96	96	95	95	85·5	13·3
5	91	94	96	94	95	88	90	85	88	81	81	74	71	69	80	87	80	87	88	92	93	97	98	97	87·3	14·0
6	95	96	97	98	98	97	96	97	95	89	80	64	66	62	62	57	60	63	70	78	84	85	91	93	82·3	14·8
7	94	95	97	95	96	96	94	91	87	87	86	76	77	75	72	70	68	70	80	84	86	94	95	96	85·8	14·9
8	97	97	91	95	95	89	81	80	81	82	70	71	62	72	67	72	63	65	73	76	82	89	88	91	80·5	12·8
9	96	99	100	100	94	99	91	86	62	58	53	58	49	64	71	72	60	69	73	92	92	92	99	93	80·0	11·1
10	90	90	90	91	91	85	79	78	71	66	59	63	64	67	55	65	60	64	69	90	89	89	84	87	76·6	11·7
11	87	87	88	92	87	84	83	82	77	63	66	60	68	69	75	91	88	89	89	89	87	87	87	86	81·7	11·7
12	85	84	85	89	85	87	87	81	76	81	83	75	81	69	67	62	69	70	76	83	91	95	97	97	81·2	11·9
13	97	98	97	97	99	100	100	100	93	81	71	67	68	67	70	73	63	66	77	78	85	83	87	87	83·7	13·0
14	95	94	93	94	97	95	88	90	87	75	75	80	80	80	77	91	88	85	86	94	98	98	98	94	88·6	13·0
15	93	96	98	94	97	98	92	78	73	65	60	56	56	59	59	60	62	62	61	70	73	84	90	91	76·2	12·0
16	87	88	81	81	81	80	78	70	77	74	72	69	67	64	67	66	62	65	67	75	84	85	89	90	75·8	11·4
17	96	90	91	91	93	95	93	89	90	93	88	88	87	89	88	94	94	93	94	94	96	97	97	95	92·2	12·9
18	94	97	95	96	96	94	90	90	83	83	87	85	88	84	86	89	94	97	92	94	96	95	94	96	91·5	15·3
19	96	96	97	98	98	96	94	94	90	83	79	85	82	87	82	87	90	82	86	93	91	95	95	94	90·5	14·6
20	95	95	94	92	89	90	95	87	84	83	72	71	67	71	82	74	78	82	87	86	85	85	87	81	84·1	13·2
21	91	88	92	89	88	84	85	75	66	65	66	68	74	64	63	64	61	64	67	79	80	82	88	100	76·4	10·7
22	94	100	87	96	97	91	91	86	80	80	90	87	92	92	89	86	81	89	90	93	92	84	91	92	89·7	10·8
23	93	93	92	92	84	81	84	86	89	88	88	86	90	90	94	96	96	91	87	88	85	87	83	82	88·8	12·5
24	82	85	92	94	94	94	94	95	97	98	97	97	96	94	97	95	94	91	91	93	94	97	95	94	93·5	12·9
25	94	93	93	92	91	91	92	83	80	86	82	81	82	87	86	89	97	97	97	95	94	94	96	94	90·3	12·2
26	97	93	96	98	95	90	87	87	87	77	80	78	70	70	85	86	89	89	89	84	88	91	89	84	86·8	11·9
27	98	94	91	96	90	88	84	76	67	69	65	51	51	56	66	56	55	59	69	81	79	84	86	87	74·9	10·2
28	85	88	88	90	91	90	89	89	89	91	77	74	88	83	78	77	76	80	79	79	84	90	91	91	84·8	11·7
29	91	91	89	89	87	81	81	70	68	70	56	54	54	53	66	74	72	66	70	74	80	83	87	88	74·8	10·9
30	88	97	95	87	83	79	82	73	77	80	83	83	82	82	90	90	94	94	95	96	97	97	95	97	87·9	11·7
31	97	98	97	97	98	99	95	92	87	87	86	81	79	77	75	79	83	83	82	89	94	91	88	87	88·6	14·3
Mean	92·7	93·3	92·8	93·2	92·1	90·6	88·7	84·7	81·3	78·8	74·4	73·2	73·5	73·7	75·1	77·3	76·9	78·7	81·7	86·6	88·7	90·5	91·7	91·7	84·2	†12·7
Vapour Pressure*	mb 12·0	mb 11·9	mb 11·6	mb 11·7	mb 11·9	mb 12·2	mb 12·7	mb 12·7	mb 12·8	mb 13·1	mb 12·7	mb 12·7	mb 12·7	mb 12·9	mb 13·1	mb 13·2	mb 13·1	mb 13·1	mb 13·0	mb 12·9	mb 12·7	mb 12·7	mb 12·4	mb 12·2	mb ‡12·6	

204 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — AUGUST, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	88	89	89	83	80	80	80	81	87	93	87	78	67	68	67	66	69	70	76	80	86	89	94	96	80·8	12·3
2	99	98	98	97	97	96	97	98	97	97	94	93	89	88	77	79	84	82	77	77	76	80	81	79	89·1	13·6
3	83	81	79	79	78	80	74	79	75	80	75	71	72	71	69	81	77	74	82	89	87	87	86	85	78·8	11·5
4	84	83	86	85	89	81	80	78	68	75	64	80	82	67	65	61	60	71	74	80	81	83	87	84	77·0	10·9
5	83	84	81	83	87	83	81	72	65	73	74	66	59	67	65	64	74	74	81	84	85	92	91	94	77·4	10·6
6	96	93	88	88	87	88	88	84	89	87	90	94	90	89	90	82	78	83	85	91	89	89	92	94	88·5	11·3
7	96	88	87	88	89	86	76	72	59	58	56	63	61	62	68	75	70	75	81	94	95	99	99	99	78·9	11·4
8	99	99	99	98	96	99	99	90	86	90	84	69	69	74	78	82	82	87	91	94	96	96	97	98	89·7	13·3
9	99	100	99	99	99	99	99	99	95	88	84	77	76	67	68	67	72	71	77	83	86	87	93	97	86·7	13·2
10	98	100	100	98	98	99	96	89	77	71	59	55	53	54	49	49	49	53	69	80	80	79	82	84	76·2	10·5
11	87	87	91	87	89	88	82	70	73	75	63	56	54	57	57	55	57	70	77	88	91	90	96	96	76·3	12·8
12	94	94	95	97	97	97	97	87	74	81	69	70	73	72	80	83	84	83	87	89	85	85	92	89	85·7	13·7
13	99	93	97	92	88	91	92	87	77	75	73	69	78	78	79	77	74	78	88	94	95	97	96	96	85·8	12·0
14	95	94	96	97	97	97	97	97	97	98	97	98	98	98	97	99	98	99	99	99	99	99	100	100	97·6	15·6
15	100	100	99	100	100	100	97	93	96	92	89	93	87	83	84	83	87	89	93	96	97	99	98	98	93·9	15·6
16	98	97	97	98	98	96	93	86	88	77	69	61	71	67	72	74	74	81	88	92	94	93	93	93	85·5	15·1
17	91	93	95	96	97	97	98	97	97	96	96	97	93	94	98	98	98	94	85	87	82	85	93	91	93·7	14·5
18	96	96	93	98	98	92	91	81	80	73	69	62	68	72	72	68	85	89	90	88	90	92	93	93	84·3	10·9
19	95	96	95	96	95	94	94	94	96	91	90	94	93	93	93	94	96	97	97	96	95	97	98	98	94·8	13·0
20	99	98	99	99	99	99	99	98	91	88	88	95	87	77	83	80	86	88	91	93	95	95	94	94	92·4	13·0
21	87	85	86	87	89	93	88	88	78	70	71	67	59	69	68	60	70	77	83	88	89	89	92	92	80·3	11·5
22	92	91	89	87	87	87	87	74	59	60	64	56	59	58	57	54	64	64	73	72	79	83	89	86	73·9	10·6
23	89	91	93	96	95	94	97	98	97	96	97	97	94	94	92	90	90	92	96	96	97	97	97	97	94·5	14·9
24	95	95	95	94	89	91	90	90	84	78	75	70	68	70	76	82	85	87	89	89	93	90	90	87	85·7	17·2
25	87	89	90	90	91	91	88	86	82	82	83	82	78	75	73	63	63	81	88	86	89	89	88	90	83·4	16·1
26	92	91	91	91	91	91	90	85	83	84	82	81	75	71	67	65	68	77	89	88	93	93	97	93	84·5	15·2
27	98	98	98	98	100	98	95	93	77	69	63	56	51	47	34	40	47	66	73	80	90	91	92	94	76·9	12·7
28	98	96	100	100	97	97	96	93	84	80	69	68	63	67	62	55	64	73	72	86	89	95	95	98	83·0	12·4
29	96	97	98	99	99	99	99	98	99	91	80	74	67	66	67	66	70	85	88	91	89	88	92	92	87·2	13·6
30	93	87	85	86	90	84	79	75	72	69	68	69	69	66	66	73	75	78	81	77	82	86	86	86	78·5	13·1
31	86	79	82	86	89	88	86	81	77	77	74	70	76	79	72	65	67	65	77	76	73	79	88	82	78·2	12·4
Mean	93·2	92·3	92·6	92·7	92·8	92·1	90·5	86·9	82·5	81·1	77·3	75·2	73·3	72·9	72·4	71·9	74·7	79·1	83·8	87·2	88·6	90·1	92·3	92·1	84·5	†13·0
Vapour Pressure*	mb 12·2	mb 11·8	mb 11·7	mb 11·7	mb 11·7	mb 11·9	mb 12·5	mb 12·9	mb 13·4	mb 13·9	mb 13·7	mb 13·7	mb 13·7	mb 13·9	mb 13·7	mb 13·6	mb 13·7	mb 13·7	mb 13·5	mb 13·0	mb 12·8	mb 12·5	mb 12·5	mb 12·3	mb ‡12·9	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperatures and the mean relative humidities †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

205 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres — SEPTEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	84	84	95	91	96	88	75	73	68	61	57	60	66	62	61	88	95	95	94	96	95	93	96	96	81·7	12·1
2	97	97	97	97	97	97	97	97	97	96	96	96	96	96	91	90	91	91	93	93	96	97	96	96	95·3	15·2
3	96	98	98	92	94	98	96	97	97	90	87	78	83	87	93	96	97	94	92	96	95	97	98	98	93·6	16·4
4	98	98	98	98	99	98	97	95	91	81	81	89	85	83	87	84	90	92	95	95	95	95	95	93	92·3	14·3
5	94	94	94	94	93	93	93	89	90	91	83	83	85	86	87	93	90	90	89	88	88	91	88	89	89·9	13·3
6	92	94	94	87	87	94	91	87	83	82	77	69	75	76	70	85	87	91	94	97	99	99	99	99	87·6	12·6
7	99	99	100	97	96	95	87	82	78	63	68	61	55	55	63	89	94	94	94	93	93	94	94	95	85·0	11·9
8	97	96	95	97	95	92	82	73	70	73	68	67	66	61	67	65	68	78	86	92	93	95	93	99	81·9	12·3
9	94	99	94	98	94	94	96	94	97	95	87	80	76	69	72	78	85	83	87	88	87	90	96	97	88·7	12·3
10	97	98	98	98	98	98	98	99	99	99	98	96	94	98	94	92	96	96	96	96	98	97	97	97	96·9	15·5
11	96	96	97	97	97	97	96	96	90	85	76	73	74	83	82	80	79	78	86	86	87	85	83	84	87·1	15·5
12	85	89	88	89	96	98	99	99	98	98	99	97	97	98	97	96	97	96	99	98	96	96	98	98	95·6	15·9
13	99	100	100	98	98	98	99	97	90	86	78	80	71	68	67	78	81	93	94	95	97	98	98	99	90·1	13·9
14	99	99	100	100	100	100	99	97	90	73	62	60	68	64	76	87	93	95	93	96	94	93	94	92	88·6	12·9
15	93	91	95	93	92	89	89	86	77	75	70	69	70	74	71	80	86	90	89	94	94	92	93	93	85·2	13·0
16	94	92	91	90	90	87	88	87	85	78	73	79	74	70	73	75	77	84	91	89	90	93	90	92	84·7	13·3
17	90	93	90	89	88	88	89	85	82	81	77	72	69	69	75	74	83	90	89	90	90	89	89	92	84·3	13·2
18	91	91	92	93	92	92	90	88	88	90	86	75	72	73	73	79	88	94	93	96	95	96	95	93	88·1	12·8
19	94	97	97	95	96	96	97	91	91	91	85	82	80	78	84	86	88	91	91	90	94	95	95	84	90·5	13·2
20	88	89	92	92	90	92	92	93	90	86	83	74	73	73	71	76	81	85	90	93	89	89	88	96	85·8	12·4
21	98	96	97	98	98	96	96	96	91	85	81	76	73	72	67	70	78	89	90	92	93	93	96	94	88·2	12·1
22	99	94	99	96	98	98	98	96	87	78	69	72	67	69	83	87	87	87	89	92	91	92	93	88	88·0	12·5
23	87	95	98	94	90	94	82	94	92	85	88	90	91	85	82	80	81	93	98	96	95	97	97	94	90·6	10·5
24	98	97	99	88	95	96	97	96	95	84	81	78	84	85	84	88	93	93	96	97	96	96	97	97	92·0	13·6
25	96	97	96	96	96	95	96	96	95	91	89	84	80	81	72	74	73	77	73	77	77	77	87	85	86·1	11·0
26	88	93	84	92	87	89	85	84	74	68	62	55	66	62	65	66	77	78	78	72	71	79	82	90	76·9	7·7
27	91	89	93	94	91	88	89	82	68	60	65	65	65	69	71	73	77	82	83	84	81	82	82	78	79·5	8·8
28	81	78	81	81	79	87	78	66	72	70	72	65	68	58	58	70	74	80	87	87	89	92	93	93	77·1	7·4
29	96	97	97	97	97	97	89	80	73	66	65	65	59	64	64	73	75	82	84	87	88	89	93	93	82·1	7·8
30	90	84	83	83	83	88	87	79	72	75	60	65	67	65	68	68	74	79	83	81	83	74	81	86	77·6	9·5
Mean	93·4	93·8	94·4	93·4	93·4	93·7	91·6	89·1	85·7	81·2	77·4	75·2	75·0	74·4	75·6	80·7	84·5	88·0	89·9	90·9	91·0	91·5	92·5	92·7	87·0	†12·4
Vapour Pressure*	mb 11·7	mb 11·7	mb 11·8	mb 11·6	mb 11·5	mb 11·5	mb 11·6	mb 12·1	mb 12·4	mb 12·5	mb 12·4	mb 12·5	mb 12·6	mb 12·7	mb 12·7	mb 13·1	mb 13·1	mb 12·8	mb 12·3	mb 12·1	mb 12·0	mb 11·9	mb 11·9	mb 11·6	mb ‡12·2	

206 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — OCTOBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	85	88	91	90	88	92	92	89	89	82	75	73	76	73	74	76	83	78	84	84	84	83	83	88	83·4	9·5
2	88	81	83	81	82	85	82	84	81	83	75	76	75	76	75	77	80	86	84	84	88	87	92	94	82·3	9·1
3	94	93	94	89	89	96	93	87	88	82	71	64	64	63	64	62	68	87	87	90	93	94	94	96	83·3	7·5
4	96	97	99	98	94	92	81	83	83	71	81	88	88	79	76	80	78	79	85	89	88	90	91	89	86·6	8·0
5	93	94	91	91	93	91	87	89	86	79	64	69	66	55	62	64	71	85	90	89	93	95	94	94	82·6	8·4
6	91	94	94	94	94	94	93	85	81	64	53	43	47	45	56	56	63	81	80	82	85	90	93	93	77·1	6·8
7	96	96	98	96	98	98	99	98	84	69	61	55	54	51	58	65	66	84	86	89	85	96	96	96	82·1	6·9
8	97	97	96	96	96	97	93	90	86	75	78	65	68	71	73	76	78	76	77	88	91	93	94	93	85·3	7·8
9	94	94	94	96	94	94	94	87	86	90	80	70	76	81	71	71	76	90	94	94	94	94	94	96	87·6	9·0
10	97	97	97	96	97	86	100	93	78	81	77	90	74	63	77	80	86	87	86	87	88	93	93	94	87·4	8·7
11	95	96	96	98	100	98	98	96	96	91	91	88	87	80	85	89	89	92	94	89	83	84	88	89	91·4	8·9
12	85	90	94	94	96	91	93	87	80	80	79	64	62	65	64	67	73	77	73	81	88	80	78	81	80·3	9·5
13	76	77	76	83	82	83	83	81	75	67	61	72	72	59	64	64	81	82	87	91	94	94	99	98	78·8	8·8
14	99	99	98	98	98	97	97	96	89	87	85	80	83	81	80	78	79	83	87	89	85	92	93	95	89·6	12·1
15	97	96	87	86	85	79	75	75	75	72	74	65	63	68	70	73	75	71	73	77	77	77	76	75	77·1	9·9
16	81	78	80	87	76	75	79	74	86	80	79	72	66	66	66	72	74	75	89	94	95	96	95	95	80·0	9·9
17	92	90	88	93	89	92	94	95	95	97	97	86	80	73	81	74	75	75	74	82	82	77	79	81	85·3	10·6
18	80	82	76	72	71	71	75	80	70	67	64	61	58	57	62	68	73	81	85	90	92	94	88	93	75·2	7·5
19	93	94	96	90	96	87	88	89	81	91	83	85	88	71	74	76	71	65	70	79	72	83	84	84	83·1	7·8
20	73	68	76	75	75	82	78	80	76	73	73	67	73	79	85	87	89	89	82	87	86	88	84	82	79·5	7·7
21	83	86	83	83	82	82	81	81	81	84	84	87	91	86	86	93	93	90	95	96	95	93	93	93	87·3	11·8
22	93	93	92	94	93	92	90	89	89	89	89	92	85	89	88	84	87	91	90	87	88	88	91	91	89·8	12·5
23	91	89	92	94	91	87	92	87	91	96	99	91	95	91	87	83	96	93	96	97	85	90	91	91	91·5	10·3
24	91	97	100	96	96	93	94	90	91	86	87	89	96	94	96	98	98	98	97	98	95	96	98	89	94·3	10·3
25	84	78	83	79	78	73	77	85	82	79	89	90	91	87	85	91	87	85	91	93	93	89	91	90	85·4	6·9
26	91	89	93	93	97	90	92	96	95	96	99	99	98	98	99	99	78	65	72	70	65	80	80	90	88·5	8·1
27	98	87	77	82	68	69	77	80	77	65	55	78	73	71	85	87	89	87	84	93	83	76	81	76	79·4	6·3
28	76	78	78	76	77	75	73	71	67	65	62	55	54	57	64	66	68	71	83	91	94	95	96	97	74·1	6·0
29	97	97	98	99	99	100	94	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	92	91	98·2	9·5
30	99	96	86	86	96	98	99	100	96	93	93	92	91	86	88	93	90	86	84	86	90	89	87	87	91·4	9·7
31	87	87	83	96	89	98	96	94	79	78	75	72	65	72	67	86	93	93	90	92	92	93	97	98	86·1	7·2
Mean	90·1	89·6	89·3	89·7	89·0	88·3	88·3	87·5	84·3	81·0	78·5	76·7	76·1	73·7	76·2	78·5	80·8	83·3	85·4	88·3	87·8	89·3	89·8	90·3	84·6	†8·8
Vapour Pressure*	mb 8·3	mb 8·2	mb 8·1	mb 8·1	mb 8·1	mb 8·1	mb 8·2	mb 8·6	mb 9·0	mb 9·3	mb 9·3	mb 9·1	mb 9·2	mb 9·0	mb 9·2	mb 9·2	mb 9·1	mb 8·9	mb 8·7	mb 8·7	mb 8·6	mb 8·5	mb 8·4	mb 8·3	mb ‡8·7	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperatures and the mean humidities †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

207 ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres — NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	100	98	98	97	97	97	95	96	94	89	83	91	94	98	98	99	98	96	96	91	91	88	91	91	94·6	9·3
2	93	93	98	91	90	88	87	87	80	70	61	62	62	63	73	78	79	85	88	94	92	94	94	96	83·2	8·3
3	96	86	83	85	83	86	87	86	88	88	76	72	74	76	76	77	83	86	85	88	88	91	87	88	84·1	8·8
4	93	94	97	93	91	94	96	93	93	94	84	87	79	78	86	88	91	96	94	91	91	94	96	94	91·0	9·2
5	87	91	91	88	92	94	93	93	85	91	87	81	79	76	79	86	82	81	84	87	84	84	84	88	86·3	7·7
6	90	90	90	90	91	90	90	90	92	87	86	77	71	77	76	77	83	80	77	78	81	81	81	81	83·5	7·6
7	91	91	93	97	98	98	98	97	92	86	83	89	86	93	94	94	93	91	90	91	94	93	96	92	92·2	8·1
8	96	96	93	95	97	95	95	93	94	96	94	91	91	93	88	83	79	79	79	75	80	89	93	91	89·8	7·7
9	94	93	93	93	91	93	94	94	94	94	95	96	98	94	93	93	89	91	92	92	94	94	95	95	93·4	6·3
10	95	95	97	99	100	100	100	99	99	98	98	98	98	97	97	97	97	100	98	100	97	95	98	97	97·8	6·4
11	97	97	97	97	98	98	98	96	97	98	98	96	91	87	83	82	81	70	80	85	89	89	92	94	91·3	7·5
12	96	94	94	92	92	94	91	89	92	92	92	91	91	85	83	80	85	85	89	90	83	83	86	85	89·1	8·0
13	86	84	84	84	87	90	95	91	82	78	80	77	79	82	82	86	91	93	95	94	95	96	96	96	87·4	7·0
14	98	98	98	98	98	97	97	97	99	90	84	91	85	80	81	86	86	81	80	84	84	93	94	85	90·0	7·7
15	94	96	96	95	92	94	94	91	96	93	94	84	79	75	80	87	85	85	87	87	84	82	84	87	88·3	7·6
16	87	87	83	88	83	80	83	82	77	76	76	69	71	86	90	92	95	97	97	96	96	94	95	90	86·2	8·1
17	92	92	96	94	96	96	95	96	94	94	94	88	88	93	90	90	89	88	83	84	82	82	80	84	90·1	7·8
18	84	82	79	79	81	81	84	82	86	89	91	83	83	90	87	92	95	98	96	98	94	96	96	98	88·2	7·2
19	97	95	92	92	96	97	96	97	97	86	84	89	91	93	95	94	98	98	97	98	97	97	98	98	94·7	5·7
20	98	100	100	100	100	100	100	100	100	98	98	98	100	100	98	98	98	100	100	100	98	98	98	100	99·1	6·7
21	100	98	98	96	98	96	98	98	100	100	100	100	97	96	100	98	100	98	100	100	100	99	97	96	98·5	6·7
22	96	95	92	90	90	89	88	87	85	87	89	89	84	76	78	72	71	68	67	67	63	66	57	68	80·3	4·7
23	73	73	72	74	76	80	81	82	83	86	87	84	77	77	78	89	92	94	95	92	91	92	92	92	83·3	4·4
24	93	95	96	95	94	94	95	95	96	97	98	98	97	96	96	98	98	98	96	98	96	96	98	98	96·2	5·8
25	98	100	100	100	100	100	100	98	96	97	97	98	98	98	98	95	92	88	88	89	89	89	88	86	95·3	5·6
26	85	86	87	88	88	88	89	89	89	91	87	94	94	98	96	96	96	95	94	93	94	93	93	93	91·4	5·9
27	93	93	94	96	94	94	98	98	92	87	89	83	82	72	77	79	88	89	89	91	93	90	88	92	89·3	6·5
28	88	91	91	89	89	90	88	86	86	88	85	80	82	83	80	92	94	94	94	93	94	96	95	96	89·3	6·2
29	95	96	94	94	98	99	99	99	99	99	99	100	99	98	91	92	92	93	94	92	92	88	83	89	94·9	10·0
30	83	87	88	82	79	86	76	74	74	77	69	78	78	78	78	84	71	77	70	78	75	76	89	72	78·6	7·6
Mean	92·3	92·2	92·1	91·7	92·0	92·6	92·7	91·8	91·0	89·9	87·9	87·1	85·9	86·3	86·7	88·5	89·0	89·1	88·8	89·9	89·4	89·9	90·5	90·4	89·9	†7·2
Vapour Pressure*	mb 7·0	mb 7·0	mb 6·9	mb 6·8	mb 6·8	mb 6·8	mb 6·8	mb 6·7	mb 6·9	mb 7·2	mb 7·4	mb 7·6	mb 7·7	mb 7·7	mb 7·6	mb 7·4	mb 7·2	mb 7·1	mb 7·0	mb 7·1	mb 7·0	mb 6·9	mb 6·9	mb 6·9	mb ‡7·1	

208 ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — DECEMBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	70	74	74	70	72	72	74	77	78	76	77	82	79	69	71	76	80	78	78	76	79	82	79	78	75·7	6·1
2	78	78	82	82	83	87	92	87	90	88	88	77	68	70	82	84	85	84	82	80	87	93	94	93	83·6	7·4
3	93	96	96	98	98	98	96	98	98	97	98	99	98	98	96	93	89	89	89	88	88	93	74	74	93·5	8·3
4	74	74	65	71	74	80	72	75	75	70	75	73	68	63	72	67	82	92	94	98	98	96	96	94	78·7	5·9
5	94	95	95	93	87	93	82	96	89	90	85	78	91	87	89	86	84	86	91	92	95	81	83	95	89·0	5·6
6	96	86	82	80	78	77	74	78	81	75	69	69	70	73	83	76	71	70	70	70	69	67	60	59	75·0	4·4
7	60	63	60	63	63	58	63	67	69	68	67	66	63	63	68	73	72	73	86	88	96	96	97	98	71·7	3·1
8	98	98	99	100	98	95	100	85	85	77	73	72	68	74	76	82	83	79	83	85	87	85	81	83	85·6	6·6
9	78	82	80	86	90	93	93	94	94	96	95	94	89	90	94	94	96	98	98	98	100	100	100	100	92·7	5·8
10	100	100	100	100	100	98	98	98	98	98	98	98	98	98	98	98	98	100	98	98	98	98	94	96	98·3	7·6
11	96	98	98	98	98	99	99	98	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	96	97·9	6·4
12	93	94	96	98	98	98	98	98	94	94	96	98	96	93	93	94	96	96	98	96	96	96	96	91	95·7	6·6
13	90	90	91	91	91	91	90	90	96	94	94	93	90	93	93	91	91	88	84	90	92	93	92	93	91·3	6·4
14	94	98	96	96	96	98	99	97	91	90	90	89	85	81	85	87	87	85	82	82	88	92	92	92	90·5	7·5
15	94	91	92	94	92	87	92	94	94	91	93	93	91	91	89	89	90	90	93	92	90	87	93	93	91·4	6·5
16	91	94	91	76	75	71	74	71	71	70	68	70	70	72	72	76	73	73	78	78	79	80	84	85	76·9	6·3
17	83	83	87	88	90	92	93	96	94	93	96	96	99	98	98	98	99	99	96	92	83	76	73	75	90·9	8·8
18	80	80	82	88	94	88	94	96	93	87	93	85	83	78	74	72	71	73	79	82	80	82	86	84	83·3	7·6
19	86	87	88	89	91	93	93	88	88	88	87	90	87	91	90	96	94	94	98	96	96	96	94	96	91·3	7·7
20	93	90	90	89	88	88	91	91	93	90	89	89	90	90	91	91	93	91	88	86	91	91	93	94	90·5	9·4
21	96	94	94	93	93	94	94	96	96	99	99	99	99	96	99	99	99	98	94	94	96	96	96	96	96·2	10·3
22	96	90	89	84	84	90	92	92	92	90	86	83	83	82	87	82	84	87	89	88	87	85	87	90	87·6	7·2
23	91	82	82	78	83	87	89	89	92	90	89	87	88	85	90	90	90	90	90	87	93	92	92	92	88·2	6·5
24	94	94	92	95	95	94	95	95	87	91	91	91	91	94	93	93	88	89	88	87	88	86	89	88	91·3	8·8
25	83	91	90	88	89	81	88	91	88	93	91	89	87	89	91	93	90	88	91	98	99	100	100	93	90·7	9·3
26	90	94	94	96	96	97	95	93	92	92	90	87	85	89	87	89	92	94	95	95	94	96	94	96	92·5	7·5
27	98	98	98	98	96	96	96	96	96	96	94	87	88	83	82	83	83	83	83	85	82	80	82	84	89·7	6·7
28	84	87	87	89	88	88	88	88	88	89	91	89	87	85	84	86	88	89	89	89	89	89	91	92	87·9	5·5
29	92	92	92	92	92	93	94	94	96	94	95	94	95	98	99	83	87	81	85	91	91	89	91	93	91·7	6·5
30	92	93	94	94	95	96	98	95	96	97	94	96	98	96	94	98	96	99	99	99	98	98	99	99	96·3	8·1
31	99	98	99	100	99	99	99	99	99	98	98	94	93	93	93	93	94	96	98	94	96	94	94	91	96·4	10·1
Mean	88·9	89·2	88·9	88·9	89·2	89·4	90·2	90·4	90·0	89·0	88·6	87·3	86·3	85·8	87·5	87·4	87·8	88·1	89·2	89·5	90·4	89·9	89·5	89·8	88·8	†7·1
Vapour Pressure*	mb 6·9	mb 6·9	mb 6·8	mb 6·8	mb 6·7	mb 6·7	mb 6·7	mb 6·7	mb 6·8	mb 6·8	mb 7·0	mb 7·1	mb 7·2	mb 7·2	mb 7·2	mb 7·1	mb 7·1	mb 7·1	mb 7·2	mb 7·1	mb 7·2	mb 7·1	mb 7·0	mb 7·0	mb ‡7·0	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperatures and the mean relative humidities †Mean of the column ‡Mean of the row

HUMIDITY: ANNUAL MEANS FROM HOURLY VALUES
For exact hours, Greenwich Mean Time

209 ESKDALEMUIR: (Louvred Hut) h_t = 0·9 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Relative Humidity	% 90·3	% 90·4	% 90·5	% 90·4	% 90·1	% 89·4	% 88·0	% 85·4	% 82·4	% 79·8	% 77·1	% 74·8	% 73·9	% 73·1	% 74·3	% 75·7	% 77·5	% 80·2	% 82·9	% 86·0	% 87·2	% 88·3	% 89·4	% 89·8	% 83·6
Vapour Pressure (in millibars)*	mb 8·0	mb 8·0	mb 7·9	mb 7·9	mb 7·9	mb 7·9	mb 8·1	mb 8·3	mb 8·5	mb 8·7	mb 8·7	mb 8·8	mb 8·8	mb 8·9	mb 8·9	mb 8·9	mb 8·8	mb 8·7	mb 8·6	mb 8·5	mb 8·4	mb 8·3	mb 8·2	mb 8·1	mb 8·4

* Computed from the mean temperature and the mean relative humidity

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures for the mean of the day are adjusted for non-cyclic change†

210 ESKDALEMUIR: (Louvred Hut) h_t = 0·9 metres 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
January	89·0	+1·5	+1·4	+1·2	+0·7	+1·2	+1·0	+1·1	+1·3	+1·1	+0·5	-0·0	-1·6	-2·8	-3·8	-2·7	-1·6	-0·3	+0·6	-0·2	-0·6	+0·6	+0·2	+0·2	+0·9
February	83·3	+4·7	+4·1	+4·1	+3·7	+3·9	+3·9	+4·1	+3·8	+2·2	+0·8	-2·3	-7·1	-9·5	-10·0	-10·5	-8·5	-4·7	-1·3	+0·2	+2·5	+3·2	+3·6	+4·7	+4·6
March	85·9	+4·7	+5·1	+6·2	+5·8	+6·2	+6·4	+5·3	+4·1	+1·9	-1·8	-5·5	-7·9	-8·3	-10·1	-9·9	-8·8	-6·7	-2·5	-0·2	+2·0	+2·7	+3·2	+3·6	+4·4
April	74·5	+12·3	+12·6	+13·0	+13·0	+13·1	+12·7	+11·7	+2·3	-5·7	-11·2	-13·4	-17·4	-19·3	-18·8	-14·3	-14·6	-13·1	-7·8	-1·0	+4·9	+7·1	+10·1	+11·6	+12·1
May	74·7	+14·1	+14·2	+15·1	+14·9	+13·6	+10·3	+5·6	-0·2	-5·2	-9·6	-13·5	-16·5	-17·6	-19·0	-16·4	-15·5	-13·5	-9·1	-2·1	+5·4	+8·0	+10·4	+12·4	+14·0
June	76·7	+11·8	+12·7	+12·1	+12·8	+10·2	+7·5	+2·3	-1·7	-4·9	-6·8	-8·9	-11·0	-10·4	-11·9	-12·2	-11·6	-10·0	-8·3	-5·1	+0·8	+4·8	+7·3	+9·7	+10·7
July	84·2	+8·4	+9·0	+8·2	+8·8	+7·8	+6·2	+4·3	+0·4	-2·9	-5·5	-9·8	-11·0	-10·7	-10·6	-9·1	-6·9	-7·2	-5·5	-2·4	+2·5	+4·6	+6·3	+7·6	+7·6
August	84·5	+8·7	+7·8	+8·0	+8·1	+8·2	+7·5	+6·0	+2·3	-2·0	-3·4	-7·2	-9·3	-11·1	-11·6	-12·1	-12·5	-9·7	-5·3	-0·7	+2·7	+4·2	+5·7	+7·9	+7·7
September	87·0	+6·4	+6·8	+7·4	+6·4	+6·4	+6·7	+4·6	+2·1	-1·3	-5·8	-9·6	-11·9	-12·1	-12·7	-11·5	-6·4	-2·6	+0·9	+2·8	+3·8	+3·9	+4·4	+5·4	+5·6
October	84·6	+5·6	+5·1	+4·9	+5·2	+4·5	+3·7	+3·8	+2·9	-0·3	-3·6	-6·2	-8·0	-8·6	-10·9	-8·5	-6·2	-3·9	-1·5	+0·6	+3·5	+3·0	+4·5	+5·0	+5·5
November	89·9	+1·9	+1·9	+1·9	+1·5	+1·8	+2·5	+2·6	+1·8	+1·0	-0·1	-2·0	-2·8	-4·0	-3·6	-3·1	-1·3	-0·7	-0·6	-0·9	+0·3	-0·2	+0·4	+0·9	+0·9
December	88·8	+0·4	+0·6	+0·3	+0·4	+0·6	+0·8	+1·5	+1·7	+1·3	+0·3	-0·1	-1·5	-2·5	-3·0	-1·4	-1·5	-1·1	-0·9	+0·2	+0·5	+1·4	+0·9	+0·4	+0·7
Year	83·6	+6·7	+6·8	+6·9	+6·8	+6·5	+5·8	+4·4	+1·7	-1·2	-3·9	-6·5	-8·8	-9·7	-10·5	-9·3	-7·9	-6·1	-3·4	-0·7	+2·4	+3·6	+4·7	+5·8	+6·2

† See page 23

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES
†Amounts in millimetres; durations in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time

211 ESKDALEMUIR: h_t = 242·0 metres + 0·4 metres 1936

Hour G. M. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm 73·9	mm 58·9	mm 50·7	mm 49·0	mm 48·2	mm 66·3	mm 63·0	mm 64·8	mm 61·7	mm 60·2	mm 52·7	mm 68·4	mm 74·0	mm 51·7	mm 59·3	mm 57·7	mm 54·8	mm 71·4	mm 64·7	mm 75·3	mm 61·8	mm 67·4	mm 67·7	mm 61·7	mm 1485·3
Duration	hr 47·9	hr 45·1	hr 49·4	hr 46·7	hr 55·0	hr 54·6	hr 52·2	hr 46·6	hr 48·1	hr 43·2	hr 40·3	hr 41·8	hr 45·3	hr 35·8	hr 38·5	hr 37·5	hr 31·5	hr 40·6	hr 39·1	hr 43·8	hr 46·1	hr 43·1	hr 45·2	hr 45·5	hr 1062·9

† The totals and durations for individual months are printed in the tables on the following pages

212 ESKDALEMUIR: NOTES ON RAINFALL 1936

Rainfall Duration. There were 149 days on which no duration of rainfall was registered. There were 48 days on which the duration of rainfall was registered as 0·1 hour to 1·0 hour, 26 days with 1·1 to 2·0 hours, 70 days with 2·1 to 6·0 hours, 58 days with 6·1 to 12·0 hours, and 15 days with more than 12 hours. The day with the greatest duration was July 24th when the duration was 20·3 hours, the amount falling being 40·6 mm.

Notable Falls of the Year.

(a) The greatest amount in a 60-minute period was 12·3 mm. which was recorded between 12h and 13h on July 28, on this occasion 5 mm. of rain fell in 3 minutes and 10 mm. in 13 minutes. Falls of 5 mm. in one hour or less occurred on 13 days.

(b) Details of the greatest continuous falls were as follows:-

Date	Amount	Duration
	mm.	hrs.
January 5th	33	13·0
9th-10th	40	16·9
20th	33	18·0
July 24th	32	15·2
October 24th-25th	61	13·1
December 13th-14th	43	14·5

Wet Periods. (a) There was one "rain spell" (i.e. period of 15 or more consecutive days on each of which 0·2 mm. or more of rain fell) viz. July 5-20.

(b) There were no "wet spells" (i.e. periods of 15 or more consecutive days on each of which 1·0 mm. or more of rain fell).

Dry Periods. (a) There was one period of "absolute drought" (i.e. fifteen or more consecutive days to none of which is credited 0·2 mm. of rain or more) viz. February 2-16. There were no "partial droughts" (i.e. twenty-nine or more consecutive days, the mean daily rainfall of which does not exceed 0·2 mm.)

(b) There was one "dry-spell" (i.e. period of at least 15 consecutive days, to none of which is credited 1 mm. of rain or more) viz. February 2-16, already mentioned.

Rate of Rainfall. (Jardi Recorder) The highest instantaneous rate of rainfall was 178 mm/hr. at 0h 43m on July 18. The maximum rate exceeded 50 mm/hr on March 31, July 10, 18, 28, August 2, September 3, 4 and October 24.

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

213 ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres

JANUARY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	·3	...	...	...	·4	·2	...	...	...	1·8	·8	1·4	1·4	1·3	·3	...	...	...	...	...	·1	·1	...	...	8·1	7·3	4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	·5	·2	1·4	2·6	1·8	1·6	2·7	2·6	3·9	3·9†	3·0	2·4	·5	·9	·8	·9	·9	1·3	·9	·5	·1	...	33·4	18·7	5
6	...	...	...	...	·5	·2	...	...	...	...	...	...	(...)	(·1)	(...)	...	...	2·0	·8	·3	·3	·5	·8	·5	6·0	8·3	4
7	·1	...	...	·2	·3	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·3	1
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	2·6	1·5	·8	1·5†	...	1·3	·3	...	8·9	5·5	11
9	...	...	·2	·3	...	...	...	...	...	1·8	1·0	...	...	·2	·1	2·1	4·9	4·8	1·2	2·1†	3·9	3·2	4·5	3·7	34·0	10·7	28
10	2·8	2·3	6·2†	1·1	1·1	1·5	·9	·9	·8	4·9	·8	·6	·5	...	...	...	...	...	...	...	...	...	·3	1·1	25·8	14·4	22
11	2·0	·7	...	·3	·3	·4	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·9	3·9	4
12	...	...	...	(*)	(·1)	(*)	(·1)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3	...
13	...	...	...	...	·3	·3	·5	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	3·0	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	1·7	·4	...	...	...	...	...	4·4	1·7	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	·2	·4	·5	·9	1·3	2·0	2·4	1·4	2·0	2·4	3·0	3·0	2·0	3·0	2·5	2·0	2·4	1·0	·5	·1	·4	·1	33·5	20·0	...
21	·1	...	...	...	...	...	...	...	...	(*)	(*)	...	(·1)	(*)	(·1)	(*)	(·1)	(*)	(*)	(·1)	...	...	...	...	0·5	0·4	...
22	(*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	0·2	0·4	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·3	0·4	...
24	...	...	...	·4	·3	...	·3	·6	·5	·3	·1	·4	·3	...	...	...	...	...	...	...	...	...	...	...	3·2	6·3	··
25	...	...	...	...	...	·1	·1	(...)	(·1)	(...)	...	...	...	(...)	...	...	...	·7	3·0†	3·7	3·8	2·5	1·3	1·4	16·7	8·0	
26	·3	1·5	(...)	(·1)	(...)	·3	...	·2	·2	·2	·1	...	...	...	...	...	...	...	...	...	(≡)	(·1)	(≡)	(·1)	3·1	6·5	3
27	...	...	...	(...)	(·1)	·1	·4	·7	1·2	1·4	2·2	·8	·1	...	...	·4	...	...	...	...	·7†	...	·4	...	8·5	8·4	5
28	·9	·2	(...)	(·1)	...	...	...	1·0†	1·4	·5	1·8	·8	·5	...	...	...	...	...	...	...	...	...	...	...	7·2	5·0	5
29	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	·2	...	...	...	...	...	...	...	...	...	0·3	0·7	...
30	...	...	...	...	...	...	...	·3	·3	·2	...	·3	·1	...	·1	...	·1	...	...	·1	·3	·6	·5	1·0	3·9	7·9	2
31	...	...	...	·2	·2	...	...	...	...	·2	...	...	...	...	...	...	(≡)	(·1)	...	...	...	...	...	...	0·7	1·2	1
Sum	6·5	4·7	7·1	3·3	5·5	6·6	5·4	8·1	9·7	15·3	12·7	10·6	9·1	7·0	3·6	7·3	13·3	13·8	9·5	10·1	10·6	8·9	8·6	7·9	205·2	140·3	
Total Duration	hr 4·3	hr 2·9	hr 1·9	hr 4·4	hr 6·7	hr 6·5	hr 6·1	hr 9·3	hr 8·3	hr 8·7	hr 8·2	hr 7·1	hr 5·3	hr 3·3	hr 4·3	hr 4·7	hr 4·7	hr 7·0	hr 5·5	hr 5·8	hr 6·4	hr 6·9	hr 6·7	hr 5·3	hr 140·3		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

214 ESKDALEMUIR: H_r = 242·0 metres + 0·4 metres

FEBRUARY, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	3·4†	·1	·1	(...)	(·1)	(···)	...	...	...	...	...	...	(...)	(·1)	(...)	·2	·1	1·5	·6	1·0	1·2	·4	...	...	8·8	7·2	11
2	...	...	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	(⌴)	(·1)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
17	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	(...)	...	...	...	...	·6	·1	·2	...	...	...	1·0	1·3	2
18	...	...	...	...	·4	1·2	2·3	1·8	·6	1·0	·2	...	...	...	...	...	...	3·7†	·1	...	1·6	1·3	1·0	·8	16·0	9·7	18
19	·2	·1	·8	·2	·1	...	...	...	...	...	...	...	1·4	2·6	1·8	...	...	·1	...	...	...	...	...	...	7·3	4·7	3
20	·1	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·6	1
21	...	...	...	...	1·0	·6	1·3	·6	·7	1·4	2·8	5·5	·9	1·2	...	...	...	...	1·9†	3·0	1·8	·9	·1	...	23·7	11·7	8
22	...	...	...	...	...	...	·3	(≡)	(·1)	(≡)	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·5	3
23	·5	·6	·7	·9	·4	1·2	1·0	·6	·5	·7	·4	·6	·1	...	·3	...	...	...	...	...	...	...	...	...	8·5	12·4	1
24	...	...	...	...	·1	·2	·3	(·1)	(...)	(...)	(·1)	(...)	...	·1	·2	...	...	...	...	...	...	...	...	...	1·1	3·5	...
25	...	...	...	...	(*)	(·1)	(*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
26	...	·1	·1	·2	·2	...	·1	...	...	...	...	...	·4†	·1	·1	...	·8	1·0	1·4	·2	·2	·3	·1	·1	5·4	8·7	5
27	...	·2	·1	·2	·1	...	...	(*)	(·1)	...	...	·1	·1	·5	·6	·5	·7	·7	...	...	...	...	...	...	3·9	4·0	3
28	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·2	·3	·4	·6	1·0	·8	·1	·3	·5	·6	5·3	10·7	3
29	·2	·6†	·5	1·1	·3	·4	·4	·5	·6	·4	·1	·1	·1	·4	·2	·1	...	...	...	...	·1	·5	·1	...	6·7	14·8	6
Sum	4·4	1·8	2·9	2·6	2·7	3·7	5·7	3·6	2·7	3·5	3·7	6·5	3·3	5·2	3·4	1·1	2·0	7·6	5·6	5·1	5·2	3·7	1·8	1·5	89·3	90·8	
Total Duration	hr 2·9	hr 3·4	hr 5·0	hr 3·5	hr 5·2	hr 5·0	hr 5·5	hr 4·0	hr 4·2	hr 3·7	hr 2·8	hr 3·3	hr 3·8	hr 3·9	hr 3·4	hr 2·7	hr 3·0	hr 4·0	hr 4·1	hr 3·7	hr 5·6	hr 4·2	hr 2·4	hr 1·5	hr 90·8		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

215 ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres

MARCH, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	·1	·1	·2	·5	·7	1·0	·2	(*)	(·1)	(*)	(·1)	(*)	...	...	...	...	...	...	...	...	3·0	5·4	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	(*)	(*)	(·1)	(*)	(*)	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·9	1·0	1·2	·5	·3	...	...	...	...	5·9	5·6	...
5	...	·1	...	...	...	...	...	·5	·6	...	...	...	·3	·1	...	...	...	...	1·9	...	...	·9	·5	·1	5·0	5·0	4
6	·1	(*)	(·1)	·1	·2	·1	...	...	...	·1	...	...	...	(·1)	(...)	...	...	...	...	...	...	...	...	...	0·8	1·8	1
7	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·9	·7	·7	·5	·4	·4	·1	·1	·1	...	...	4·7	8·3	3
8	...	·1	·3	·4	·7	·2	...	·3	·2	(...)	(·1)	·1	·1	...	...	...	...	...	...	·1	...	...	...	·1	2·7	4·7	3
9	·1	·2	·6	2·1†	1·8	·2	·1	·1	·4	·6	2·0	1·0	1·5	1·5	1·5	1·3	·4	·3	·2	·2	...	...	...	...	16·1	16·4	5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	·1	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2·3	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3	...
20	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	4·0†	2·2	1·0	1·4	3·8	1·6	...	14·1	5·3	13
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8†	·2	·3	·5	1·1	·2	5·1	3·3	23
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	·1	·2	...	·1	...	(...)	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	·6	1·1	2·2	3
24	1·5	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	2·1	3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡)	(...)	(·1)	(...)	(·1)	(...)	0·2	...	...
26	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·3	1·9	1·7	5·1	3·6	3
27	·7	·1	·6	·5	·7	·6	1·4	1·0	1·1	·9	...	...	·7	·1	...	...	...	...	...	...	...	...	...	...	8·4	9·2	4
28	...	...	(...)	(·1)	(...)	...	...	(...)	...	...	...	...	...	(·1)	(...)	...	...	...	...	...	...	...	...	...	0·2	...	...
29	...	...	...	...	...	...	...	...	·3	2·0	·3	·1	·5	1·7	·8	·6	·2	2·2	·4	1·3	·5	·9†	1·2	2·2	15·2	9·3	12
30	1·5	1·3	1·5	1·6	1·1	·5	·1	...	·1	·1	...	·3	·6†	...	·1	...	...	...	...	...	...	...	...	·1	8·9	8·8	5
31	·2	...	·7	...	2·0	1·9	·9	2·8	·2	·1	1·2	·4	1·9	...	4·5†	·7	...	...	(...)	...	...	...	...	...	17·5	7·8	60
Sum	4·1	1·9	4·4	4·9	6·8	3·9	2·7	5·3	3·7	4·8	3·9	2·1	6·4	4·5	8·7	5·2	2·1	8·1	8·4	3·2	2·6	7·5	6·5	5·0	116·7	101·4	
Total Duration	hr 3·6	hr 2·5	hr 5·9	hr 4·6	hr 6·7	hr 6·6	hr 3·4	hr 4·9	hr 5·4	hr 4·4	hr 2·2	hr 2·8	hr 5·0	hr 3·4	hr 4·4	hr 3·7	hr 3·2	hr 4·0	hr 5·5	hr 3·5	hr 3·3	hr 4·0	hr 4·5	hr 3·9	hr 101·4		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

216 ESKDALEMUIR: H_r = 242·0 metres + 0·4 metres

APRIL, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	(ɔ)	(ɔ)	(·1)	(ɔ)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	·1	·3	...	0·5	0·7	·2
12	...	·1	·1	·8	·7	·1	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	2·1	2·6	...
13	...	...	...	...	...	1·4	1·1	·2	·6	·7	·4	...	...	...	·9	·1	·2	...	·8	...	·1	...	·1	·5	7·1	6·4	...
14	1·2	·7	·1	·1	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	3·4	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·9	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	·1	·4	·1	...	1·2	·1	...	...	...	(...)	(...)	(·1)	(*)	(*)	...	2·0	2·1	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	·1	...	...	...	...	0·3	0·6	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	1·0	·5	·5	·3	0·4	1·5	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	1·0	·5	·5	·3	3·1	5·1	·2
24	·2	...	·1	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	...	·3	1·0	2·6	3·0†	2·2	1·3	1·0	12·1	8·2	12
25	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·9	2
26	...	...	...	...	...	·4	...	...	...	·1	...	·1	·3	·9†	·7	...	...	...	...	...	...	...	...	...	2·5	2·1	14
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	·1	·4	·9	·3	·5	·1	...	·8†	...	·6	...	...	...	...	3·7	4·1	7
29	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	1·9	0·8	0·3	1·4	0·9	2·1	1·1	0·3	0·7	1·3	1·2	0·7	1·5	2·4	2·3	0·3	0·2	1·1	1·9	4·0	4·2	2·8	2·2	1·8	37·4	38·9	
Total Duration	hr 2·4	hr 1·3	hr 0·9	hr 2·0	hr 1·3	hr 2·4	hr 0·9	hr 0·6	hr 1·3	hr 1·9	hr 1·9	hr 1·4	hr 1·8	hr 1·6	hr 1·3	hr 0·5	hr 0·1	hr 0·8	hr 1·5	hr 2·8	hr 2·3	hr 2·2	hr 2·7	hr 3·0	hr 38·9		
Hour G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

217 ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres

MAY, 1936

Hour G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9†	·4	...	...	...	...	...	...	·1	...	...	2·4	1·5	40
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·3	·1	2·2	2·3	3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·3	·2	...	...	0·6	0·8	4
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	·2	·4	·4	·3	·3	1·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	2·9	5
18	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	2·9†	...	...	...	...	...	...	...	3·8	1·3	17
23	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
24	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·1	·2	·1	·3	·1	0·9	2·8	2
25	·1	·4	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·6	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	·1	...	...	...	...	...	...	·1	0·4	0·3	...
30	·1	...	...	·2	·4	·4	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·8	2
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	...	1
Sum	0·3	0·4	0·1	0·3	0·4	0·7	0·4	0·5	0·4	0·4	1·1	0·1	0·1	1·9	0·4	1·0	3·0	0·0	0·1	0·1	0·5	1·2	1·6	0·3	15·3	16·3	
Total Duration	hr 1·0	hr 0·6	hr ...	hr 0·9	hr 1·0	hr 1·3	hr 0·3	hr 0·8	hr 0·6	hr 0·3	hr 0·5	hr ...	hr 0·3	hr 0·7	hr 0·8	hr 0·5	hr 0·8	hr ...	hr ...	hr 0·3	hr 0·9	hr 1·5	hr 1·8	hr 1·4	hr 16·3		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

218 ESKDALEMUIR: H_r = 242·0 metres + 0·4 metres

JUNE, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	·1	...	...	...	(▲)	...	(·1)	...	(...)	...	...	...	...	...	...	...	...	...	0·2	0·3	1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·9†	·1	...	...	...	...	...	...	1·2	1·0	30
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	·1	·2	...	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·5	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	·4	·1	·1	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	1·6	1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	·2	0·3	0·4	2
10	·2	(...)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·2	...	...	0·9	1·6	2
12	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8	2
13	...	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1·0	...
14	...	...	...	...	...	...	...	...	...	...	...	1·0	1·0	1·0	1·4	1·1	0·1	0·8†	...	...	...	...	...	...	6·4	4·0	6
15	·1	...	...	...	...	...	...	...	...	(...)	...	...	...	...	1·4†	...	...	...	...	...	...	...	...	...	1·5	0·6	16
16	...	...	...	·6	·8	1·0	1·8	3·1	1·8	0·7	1·1	0·1	1·1	0·2	1·0	1·2	0·4	2·9	2·7	1·6	0·7	2·2†	1·1	0·2	26·3	17·6	12
17	·7	·3	...	...	·4	·8	·3	...	·4	·9	·6	·2	·1	...	...	...	...	...	...	...	...	...	...	...	4·7	6·8	4
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	(...)	...	...	·4	1·8	2·2	1·5	4
23	·4	1·1	·4	1·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	3·7	5
24	...	...	...	...	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
25	...	...	...	...	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·1	1·3	1·3	1·7	1·3	5·7	4·0	4
30	·7	4·6†	3·5	3·2	1·4	2·8	1·4	·3	·3	...	...	...	·3	·2	(...)	(...)	...	...	...	...	...	...	...	...	18·7	8·8	7
Sum	2·1	6·1	4·5	5·5	2·7	4·8	3·6	3·5	2·7	1·7	1·7	1·3	2·6	1·4	4·0	2·3	1·4	3·8	2·7	1·8	2·6	3·7	3·3	3·5	73·3	55·7	
Total Duration	hr 3·6	hr 3·0	hr 3·5	hr 2·4	hr 3·4	hr 3·0	hr 2·7	hr 2·1	hr 3·2	hr 2·2	hr 1·7	hr 1·2	hr 2·6	hr 1·1	hr 2·8	hr 1·7	hr ·9	hr 1·7	hr 1·0	hr 1·1	hr 2·7	hr 2·3	hr 2·4	hr 3·4	hr 55·7		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

219 **ESKDALEMUIR:** H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres

JULY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	(...)	·9	2·2	·4	·2	·1	·4	4·2	4·3	4
2	2·9	2·2	·1	·2	...	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	·1	...	...	...	5·9	3·1	4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	(...)	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	(...)	·2	(...)	(...)	...	...	...	·1	...	...	0·3	0·4	3
6	...	...	...	...	...	...	...	2·3†	1·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·8	1·4	37
7	·3	·2	·7	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	(...)	2·5	2·5	2
8	(...)	(...)	(·1)	(...)	(...)	(·1)	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	3·8†	0·2	...	...	...	4·0	0·9	17
10	...	...	...	...	...	...	...	...	...	(...)	...	...	...	(...)	...	...	...	(...)	...	10·9†	1·0	·1	·1	...	12·1	1·6	105
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	·3	·6	·1	·2	...	(...)	...	1·8	3·7	3
12	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·9	·1	·8†	·1	2·0	2·7	5
13	...	...	...	...	·2	1·0	1·6†	·3	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	3·5	2·8	6
14	·4	·5	·2	...	·1	...	(...)	...	(...)	...	...	...	·4	...	...	·4	...	...	...	1·1	·9†	...	...	...	4·0	3·4	18
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	...	0·3	0·4	4
16	·3	...	...	...	...	...	...	...	...	(...)	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	0·3	0·4	3
17	...	...	...	...	(...)	(...)	·3	·4	...	...	·1	·7	·1	(...)	...	·2	·1	...	...	(...)	(...)	...	...	·3	2·2	3·1	4
18	9·8†	·2	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	7·8	6·1	1·0	...	...	...	...	25·3	4·1	178
19	...	·1	...	...	...	(...)	(...)	...	...	...	...	...	(...)	...	·3†	...	...	...	...	·1	...	...	...	...	0·5	0·7	5
20	·6	2·1	·2	...	...	...	·6†	...	...	...	(...)	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	3·9	2·9	7
21	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	·7	2·4	2·8†	·3	1·4	1·6	...	·2	...	...	...	...	...	...	9·4	6·1	32
23	...	...	...	...	...	...	(...)	...	·9	·8	·9	1·6	·2	·1	(...)	·2	·9†	·1	...	...	...	·2	...	...	5·9	7·1	7
24	...	...	·6	2·0	1·8	2·6†	1·2	1·0	2·5	6·4	1·5	1·1	1·7	1·4	2·7	3·7	1·2	·2	1·1	3·0	1·9	1·5	·7	·8	40·6	20·3	18
25	·7	·6	·2	...	...	...	·1	...	...	...	...	...	·1	(...)	...	·1	·6	1·3	·8	·4	...	...	...	...	4·9	5·1	3
26	...	...	...	...	·2	(...)	...	...	...	...	...	...	·1	(...)	1·0†	1·0	1·5	(...)	...	...	...	...	...	...	3·8	2·0	32
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	·2	(...)	...	...	...	...	...	12·3†	1·0	...	...	...	(...)	(...)	...	...	...	...	...	13·5	1·0	126
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8†	...	...	...	·3	...	...	...	...	1·2	0·8	10
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	·9	1·7	1·2	·4	·4	·9	1·4	7·5	7·7	2
31	1·5	4·3	2·4	·9	·4	·4	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	10·9	7·4	4
Sum	16·5	10·2	4·5	4·3	3·1	4·3	4·3	4·2	4·9	7·2	3·3	5·8	17·8	3·1	5·7	9·1	5·2	10·8	11·2	24·1	6·0	2·9	3·0	3·0	174·5	95·9	
Total Duration	hr 5·7	hr 5·3	hr 4·1	hr 3·2	hr 3·3	hr 2·8	hr 4·4	hr 2·8	hr 2·6	hr 2·0	hr 3·0	hr 3·7	hr 4·2	hr 2·7	hr 2·8	hr 5·8	hr 4·3	hr 5·3	hr 4·9	hr 6·7	hr 5·6	hr 4·3	hr 3·4	hr 3·0	hr 95·9		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

220 **ESKDALEMUIR:** H_r = 242·0 metres + 0·4 metres

AUGUST, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·6	1·0	7
2	·3	·5	·8	2·1	2·8	5·6	4·8	2·7	3·3	·4	·1	5·2†	·2	·9	...	...	...	...	...	...	...	...	...	...	29·7	10·3	62
3	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	(·1)	...	(...)	(...)	...	...	...	0·1	...	1
4	...	...	...	...	...	...	...	...	...	·6	...	·8†	·2	·2	...	...	...	...	(...)	...	...	...	...	...	1·8	1·1	22
5	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	·4	·1	...	...	...	·6	·7	·2	...	...	...	...	...	...	...	...	...	...	2·0	2·0	1
7	...	...	...	...	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡‡)	(≡‡)	...	...	...
8	(·1)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
9	...	...	·4	·3	·5	1·8	·2	·4	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·4	5·9	3
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·2†	...	2·4	1·4	6
12	2·7	·3	·4	·9	·8	·1	...	...	...	...	...	...	(...)	...	(·1)	...	...	(...)	(...)	...	...	...	...	...	5·3	3·9	4
13	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	·3	·5	0·9	1·4	2
14	·1	...	1·0	1·4	·2	·7	1·6†	1·9	·8	1·0	1·5	·5	1·3	1·1	·6	·1	(...)	(·1)	(...)	·1	·2	·1	(...)	·1	14·4	14·3	7
15	(...)	·5	·2	·1	·2	·1	·2	·3	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	1·6	3·6	2
16	...	·2	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	1
17	...	...	...	...	·6	·4	·7	·6	·5	·6	1·9	1·1	·4	·2	·4	·4	·7	1·3	·7	...	...	...	...	...	10·5	12·3	4
18	(≡‡)	(·1)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(·1)	...	...	...	...	...	...	·2	·2†	...	·2	...	...	...	(...)	...	...	...	0·8	0·6	8
19	...	...	...	...	·3	·5	·5	·9†	·3	·5	...	·5	·1	...	...	...	...	·1	·2	...	...	...	...	...	3·9	3·8	11
20	...	...	...	...	...	...	...	...	...	...	...	·4	·6	...	...	...	...	...	...	...	...	...	(...)	·1	1·1	0·8	2
21	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	(...)	(·1)	(...)	...	...	...	·2	·2	·2	...	...	...	...	...	...	(...)	(·1)	·1	·1	1·0	2·2	3
24	(·1)	(...)	(·1)	(...)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	(...)	...	...	·1	·6	...	...	1·0	0·6	2
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	...	...	...
26	(⌴)	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	3·3	1·6	2·9	4·8	5·4	9·4	8·5	6·9	5·7	3·4	3·9	9·4	3·7	2·8	1·3	0·5	0·9	1·6	0·9	0·1	0·3	0·8	1·6	2·0	91·7	85·6	
Total Duration	hr 1·8	hr 2·2	hr 3·9	hr 4·7	hr 5·3	hr 4·5	hr 4·8	hr 4·7	hr 3·5	hr 3·3	hr 3·6	hr 4·9	hr 4·0	hr 2·9	hr 2·0	hr 0·7	hr 0·4	hr 1·5	hr 0·9	hr 0·8	hr 0·9	hr 0·9	hr 1·0	hr 2·4	hr 65·6		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

221 ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres

SEPTEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	3·3†	·4	(...)	·2	(...)	(...)	·3	·8	5·8	3·7	5
2	...	...	...	...	1·0	...	...	...	...	...	·2	·3	1·0	1·3†	...	...	...	...	...	(...)	(·1)	...	·4	...	4·3	3·7	12
3	·1	·4	1·9	·2	·1	6·3†	2·9	3·7	1·2	·1	...	...	...	...	...	·8	1·6	1·6	·6	1·0	...	...	...	...	22·5	9·9	59
4	...	...	...	·4	·4	1·6†	·7	...	...	...	...	2·3	1·2	0·6	1·9	2·3	...	...	2·9	...	...	...	...	...	14·3	6·5	62
5	·2	1·5	·7	·1	...	...	...	(...)	(...)	(·1)	(...)	(...)	(·1)	(...)	(...)	...	·9†	·1	...	...	...	...	...	...	3·7	3·3	5
6	...	...	·4	...	(...)	(...)	(...)	(·1)	...	...	...	...	...	...	...	...	...	(...)	...	·3	·4	·2	1·4	1·7	4·5	4·8	3
7	·9	·8	3·5†	2·8	2·4	·2	·1	...	...	...	...	...	...	...	...	1·3	1·9	1·3	1·0	·2	1·0	·5	1·2	·4	19·5	14·7	18
8	1·3†	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	0·7	5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	0·4	1·0	2
10	1·3	·7	·1	...	·1	·2	·4	·9	·2	·1	...	...	·1	...	·4	...	...	...	...	...	...	...	...	...	4·5	6·1	3
11	...	...	·1	(...)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	3
12	...	...	...	...	·1	1·1	4·4†	3·8	4·6	3·4	1·9	3·8	3·6	1·9	1·8	...	...	...	...	...	...	...	...	...	30·4	9·6	29
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	·7†	...	...	...	...	...	...	...	...	...	...	·2	·8	·4	...	...	...	...	...	...	2·1	1·9	5
15	...	...	·4†	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2	6
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	(...)	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	(...)	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	1·6	3·4†	·6	·4	1·3	2·0	9·8	7·3	5
25	1·6	·6	1·0	1·9†	1·1	1·3	2·6	1·6	2·0	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13·9	8·8	7
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	0·5	0·6	2
27	1·2	·8	·4	·1	...	...	·9†	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·7	4·6	11
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	6·6	5·0	8·5	5·5	5·9	10·8	12·0	10·4	8·0	3·9	2·1	6·4	6·0	3·8	4·1	5·4	8·7	4·1	6·1	5·1	2·1	1·1	4·7	5·7	142·0	87·5	
Total Duration	hr 5·2	hr 5·9	hr 5·5	hr 3·9	hr 5·0	hr 5·2	hr 6·4	hr 4·4	hr 3·2	hr 1·6	hr 1·1	hr 2·1	hr 2·6	hr 1·8	hr 1·8	hr 2·7	hr 3·8	hr 4·3	hr 3·4	hr 3·6	hr 3·0	hr 2·4	hr 4·0	hr 4·6	hr 87·5		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr. or more)

222 ESKDALEMUIR: H_r = 242·0 metres + 0·4 metres

OCTOBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm.	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...
5	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	1
6	...	...	...	...	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...
9	...	...	...	...	(...)	(·1)	(...)	...	...	·2	...	...	·1	...	...	...	...	...	·2	...	...	...	...	...	0·6	0·9	1
10	(...)	(·1)	(·1)	(·1)	·4	·4	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·1	2
11	...	...	...	...	...	...	(...)	(...)	(...)	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	1
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·0	1·2	1·2	4
14	2·2	1·9	·2	·3	·6	·2	·2	·5	·2	·2	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	6·5	6·7	4
15	·2	·3	·2	·1	(...)	(·1)	(...)	...	...	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·6	2
16	...	...	·1	·2	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	·1	1·7	·8	1·2	·8	5·2	4·9	4
17	·2	...	·1	·5	·6	·4	·8	·8	·6	1·0	·9	3·1	·2	...	1·1	...	...	...	...	...	1·4	·7	1·6†	·4	14·4	11·0	42
18	...	·8†	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	2·5	2·0	5
19	1·7	·9	·4	3·8	1·1	2·6†	·8	...	...	·1	...	·1	·5	·1	·5	...	...	...	...	...	...	...	...	...	12·6	6·2	10
20	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	(·1)	...	...	(...)	...	...	...	(...)	...	...	0·1	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·3	·6	·1	...	·1	1·2	1·5	2
22	·1	...	·1	·2	·2	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	0·8	2·8	2
23	...	...	...	1·0	·8	...	·1	...	...	1·4	2·4	2·3†	·2	...	...	...	...	...	...	...	...	...	...	...	8·2	5·1	27
24	...	...	...	...	...	(...)	...	...	...	...	·1	·5	3·0	4·4	6·6	5·9	5·1	5·0	3·7	3·6	3·7	8·0	6·6†	3·5	59·7	12·5	50
25	·9	...	...	...	...	...	...	...	...	·1	3·3	2·7	4·4	·5	·1	1·5	·2	1·3†	·4	·7	1·5	2·4	·4	...	20·4	7·8	9
26	...	...	·1	·2	·1	...	·1	...	...	·2	·9	1·3	1·4	1·2	·1	·6	1·3	·1	·6	...	...	1·6	·6	2·0†	12·4	8·1	13
27	2·2†	1·4	1·4	...	...	...	...	...	1·0	...	...	1·0	·2	·4	1·2	·3	·4	·1	...	1·6	·2	...	...	...	11·4	5·2	11
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	(...)	·1	·2	1·2	·6	·2	·4	·1	·4	·2	·8	1·3	·2	·2	1·4	·6	1·2	·2	9·3	10·6	4
30	·1	...	...	...	·4	·4	·8	·4	·8	·2	...	...	·6	·4	·2	·2	...	...	...	...	...	...	...	...	4·5	7·6	2
31	...	...	...	...	...	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	7·6	5·4	3·0	6·4	4·2	4·2	2·9	1·9	3·1	4·8	8·2	11·7	11·0	7·1	10·5	8·7	7·8	7·9	5·1	6·5	10·5	14·2	12·1	9·2	174·0	99·2	
Total Duration	hr 5·4	hr 3·5	hr 4·3	hr 3·9	hr 5·0	hr 4·1	hr 3·3	hr 2·7	hr 3·9	hr 5·1	hr 4·8	hr 5·7	hr 5·6	hr 4·2	hr 4·9	hr 3·8	hr 2·4	hr 2·9	hr 2·1	hr 3·0	hr 4·5	hr 4·0	hr 4·9	hr 5·2	hr 99·2		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr. or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time

223 ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres

NOVEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·5	2·3†	1·7	1·1	·4	·3	·4	...	·1	...	...	8·7	7·9	5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·4	1·5	2·4	2·2	2
3	1·2	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	(...)	...	...	...	...	...	1·2	0·4	3
4	...	...	...	...	...	(...)	(·1)	...	·4	1·1	...	...	...	...	...	...	...	·2	·3	3·3†	3·1	·7	·1	·2	9·5	5·3	17
5	...	...	...	...	·7	...	...	...	...	·8	·4	...	...	...	...	2·8†	...	...	·4	...	...	...	...	...	5·1	1·8	37
6	...	...	...	·4	·1	(·1)	(...)	(...)	...	...	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	0·7	0·6	4
7	·2	·6	·9	1·0	·8	...	...	...	...	...	...	...	...	·8	·4	2·2	·1	2·2	1·9	·2	·4	·2	...	...	11·9	10·3	4
8	...	·2	...	·1	·2	·2	...	...	·4	·4	1·4†	·2	·7	1·1	·2	·2	...	...	...	...	...	...	...	·2	5·5	6·4	5
9	...	...	...	...	...	...	1·0	1·5	3·4	1·1	1·2	2·3	·2	...	...	...	...	...	...	...	...	...	...	...	10·7	5·6	4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	·7	·7	·2	·6†	...	...	2·5	3·0	5
11	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	·2	·9	·3	1·8	3·1†	6·5	3·9	6
12	2·4	1·9	·5	·3	...	1·4	·2	·2	·4	·7	·9	·4	·6	...	...	...	1·0†	...	...	·6	·5	...	...	·3	12·3	10·8	9
13	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...
14	·1	·4	·6	·6	1·4	·4	·6	...	·7	2·1†	·2	·4	·2	...	...	·2	·1	...	...	·4	·4	...	...	·3	9·1	7·7	8
15	·2	·3	...	...	...	·9	3·3	2·1	0·7	2·0	1·1	3·6†	·6	...	·2	·6	·6	1·2	...	...	...	...	·4	...	17·8	9·2	9
16	·1	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	·3	·3	1·8	2·4	3
17	...	·2	3·5	1·6	·2	·2	·3	4·1†	5·3	2·1	1·7	(...)	·1	1·0	1·3	·5	·4	·1	(...)	(·1)	(...)	(...)	...	...	22·7	11·8	11
18	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	...	...	...	...	...	...	...	(...)	(␣)	(␣)	0·7	0·7	2
19	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	(≡‡)	(≡‡)	(≡‡)	(·1)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(·1)	(≡‡)	(≡‡)	(≡‡)	0·2	...	...
21	...	...	...	...	...	...	...	...	...	(≡‡)	(≡‡)	(·1)	...	...	...	...	(≡‡)	(≡‡)	...	...	...	...	...	...	0·1	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	(␣)	(␣)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡‡)	0·1	...	...
25	(≡‡)	(≡‡)	(≡‡)	(·1)	(≡‡)	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	...	0·3	0·4	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	·5	·2	·9	·6	·1	·1	·1	...	...	(...)	...	(·1)	(...)	...	...	...	...	...	...	...	2·6	5·3	1
30	...	·3	·8	·3	...	...	·2	...	...	...	...	...	...	...	·5	...	·4	·1	·3	·1	...	...	...	·4	3·4	4·5	4
Sum	4·2	4·4	6·6	4·4	3·9	3·4	6·6	8·5	11·5	10·5	7·0	7·4	3·3	5·0	4·9	8·5	3·8	4·3	3·9	6·0	5·9	2·4	3·3	6·3	136·0	100·3	
Total Duration	hr 2·9	hr 4·3	hr 4·9	hr 4·7	hr 4·0	hr 3·4	hr 3·9	hr 3·9	hr 5·0	hr 6·1	hr 5·7	hr 4·2	hr 3·6	hr 4·2	hr 4·2	hr 4·7	hr 3·6	hr 3·7	hr 4·0	hr 4·8	hr 4·1	hr 2·6	hr 3·2	hr 4·6	hr 100·3		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr or more)

224 ESKDALEMUIR: H_r = 242·0 metres + 0·4 metres

DECEMBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	(·1)	(·1)	...	...	(...)	...	...	...	0·2	...	2
2	...	...	...	...	...	...	·2	(...)	(·1)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·8	1
3	·1	·2	·1	·2	·4	·2	·2	·4	·4	·5	·5	·8	·4	·1	·2	·1	...	...	...	...	...	·9	2·8†	·1	8·6	16·6	8
4	...	·1	·4†	·7	·2	·2	·1	...	·1	·2	...	...	...	...	...	...	...	1·3	1·0	·4	·4	·1	·2	·9	6·3	8·8	11
5	·4	·3	·3	·2	·2	·3	·6	·5	·3	·2	·7	·7	·7	·7	2·0	·6	·1	·1	·2	·3	·3	...	...	...	9·7	11·8	2
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(*)	(*)	...	(...)	(·1)	(...)	...	·5	0·6	0·3	...
8	·2	·8	·5	·9	1·4	1·1	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·5	6·5	2
9	...	...	...	...	...	...	...	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	(≡‡)	(≡‡)	(≡‡)	(≡‡)	...	...	...
10	(≡‡)	(·1)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(·1)	(≡‡)	...	...	...	...	...	(...)	(...)	(·1)	(...)	(·1)	(...)	(...)	(·1)	(...)	0·5	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	·7	·9	·4	·1	·8	1·1	2·9	3·5†	1·0	2·4	1·0	1·7	16·5	10·1	5
12	1·2	·6	·5	·4	·5	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	6·3	2
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·4	...	...	...	·6	2·8	5·2†	4·2	4·2	17·9	5·8	7
14	5·6	6·4†	1·3	·9	·8	4·1	1·7	2·6	1·5	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25·8	9·5	10
15	...	...	...	...	·1	...	·2	...	...	...	...	...	...	·4	...	...	...	...	·3	·6	1·1	1·9	2·8†	4·2	11·6	6·1	5
16	3·2	3·0†	·5	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	6·7	2·2	13
17	...	...	...	...	...	...	...	...	...	...	·6	1·3	3·5	1·8	2·4	·5	1·1†	·1	...	...	...	...	...	...	11·3	5·3	15
18	...	...	...	...	·4	3·4	2·1	2·9	3·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·9	4·2	27
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	2·8	1·1	2·2	1·9	2·1	5·0	2·6	2·0†	·7	21·0	9·1	6
20	·5	·2	·1	·1	·1	·2	·5	·5	·5	·2	...	...	...	·1	·2	1·1	1·2	1·5	·4	·1	...	1·8	2·4	2·6†	14·3	15·8	5
21	1·6	1·4	1·8	1·6	1·6	1·7	1·7	2·8	1·5	·5	·4	·7	1·1	...	·9†	·5	...	1·3	·9	·9	...	·7	1·2	·1	24·4	17·8	14
22	·7	·5	·4	...	...	...	...	...	...	...	...	·1	·6†	...	...	...	...	...	1·1	·2	...	...	...	...	3·6	3·9	9
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	(...)	(...)	(...)	(·1)	(...)	(·1)	(...)	(·1)	(...)	(·1)	(...)	(·1)	(...)	(...)	(...)	(...)	(...)	...	...	0·5	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	(...)	...	(·1)	...	...	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	(≡‡)	(≡‡)	(≡‡)	(≡‡)	(≡‡)	0·1	...	...
27	(≡‡)	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	...	...	...
29	...	...	...	(...)	(...)	·1	·1	...	·1	·1	·4	·3	·8	1·1	·4	...	...	...	(␣)	(␣)	(␣)	(␣)	(␣)	(␣)	3·4	7·3	3
30	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	(␣)	...	...	...	...	1·9	1·3	2·4	2·7	2·2	1·3	·1	·6	·4	·6	2·6†	1·3	·3	17·8	11·2	7
31	2·9	3·0†	·3	·6	1·0	·6	1·7	1·7	·8	·8	1·1	·6	...	...	...	...	·6	·4	...	...	...	...	1·0	·2	17·3	11·6	11
Sum	16·4	16·6	5·9	5·6	6·7	12·4	9·8	11·6	8·6	3·4	3·9	6·4	9·2	7·5	10·4	8·3	6·4	8·3	9·3	9·2	11·3	18·2	19·0	16·5	239·9	171·0	
Total Duration	hr 9·1	hr 10·2	hr 9·5	hr 8·5	hr 8·1	hr 9·8	hr 10·5	hr 6·4	hr 6·9	hr 3·9	hr 4·8	hr 5·4	hr 6·5	hr 6·0	hr 5·8	hr 6·0	hr 4·3	hr 5·4	hr 6·2	hr 7·7	hr 6·8	hr 7·8	hr 8·2	hr 7·2	hr 171·0		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of the fall (5 mm/hr. or more)

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

225 ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres — JANUARY, 1936

Day	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	Rate near noon†	Sec Z	Sky
Hour L. A. T.																					SOLAR RADIATION received on surface perpendicular to solar beam		
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
3	--	--	--	--	--	...	...	·6	·4	·8	...	·2	...	--	--	--	--	--	2·0	28	...	...	...
4	--	--	--	--	--	·2	1·0	1·0	1·0	1·0	·3	·5	...	--	--	--	--	--	5·0	70	...	...	...
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
7	--	--	--	--	--	...	...	...	...	...	·1	·4	...	--	--	--	--	--	0·5	7	...	...	...
8	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
11	--	--	--	--	--	...	·9	1·0	1·0	1·0	·2	...	...	--	--	--	--	--	4·1	55	...	...	...
12	--	--	--	--	--	...	·4	·9	1·0	1·0	·3	·7	...	--	--	--	--	--	4·3	58	...	...	...
13	--	--	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	6·1	81	...	...	...
14	--	--	--	--	--	·5	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	--	6·2	82	...	...	...
15	--	--	--	--	--	...	...	...	·2	·7	...	...	...	--	--	--	--	--	0·9	12	...	...	...
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
17	--	--	--	--	--	·1	·3	...	...	1·0	·5	...	...	--	--	--	--	--	1·9	25	...	...	...
18	--	--	--	--	--	·7	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	--	--	--	5·9	76	...	...	...
19	--	--	--	--	--	·2	·3	·9	·9	·3	...	...	...	--	--	--	--	--	2·6	33	...	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
21	--	--	--	--	--	...	...	..	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
22	--	--	--	--	--	...	...	·1	...	...	·1	...	...	--	--	--	--	--	0·2	3	...	...	...
23	--	--	--	--	--	·1	1·0	1·0	1·0	·9	·9	...	...	--	--	--	--	--	4·9	61	...	...	...
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
26	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
28	--	--	--	--	...	...	...	...	...	...	...	·3	...	--	--	--	--	--	0·3	4	...	...	...
29	--	--	--	--	...	...	...	...	...	...	·1	·2	...	--	--	--	--	--	0·3	4	...	...	...
30	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
31	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
Sum	--	--	--	--	...	2·0	6·9	8·5	8·5	9·7	5·5	4·1	...	...	--	--	--	--	45·2	--	--	--	--
Mean	--	--	--	--	...	·06	·22	·27	·27	·31	·18	·13	...	...	--	--	--	--	1·46	19	--	--	--

226 ESKDALEMUIR: h_s = 1·5 metres — FEBRUARY, 1936

Day	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	Rate near noon†	Sec Z	Sky
Hour L. A. T.																					SOLAR RADIATION received on surface perpendicular to solar beam		
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
2	--	--	--	--	...	·7	·7	...	·4	1·0	1·0	1·0	·6	...	--	--	--	--	5·4	63	...	...	...
3	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	7·5	86	...	...	...
4	--	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	--	--	--	--	7·7	88	...	...	...
5	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
7	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
8	--	--	--	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	8·3	92	...	...	...
9	--	--	--	--	·3	·3	·1	...	...	·4	1·0	·5	·8	...	--	--	--	--	3·4	37	...	...	...
10	--	--	--	--	...	...	·6	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	--	6·4	70	...	...	...
11	--	--	--	--	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	--	8·0	86	...	...	...
12	--	--	--	--	* ·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	8·4	90	...	...	...
13	--	--	--	--	...	...	·6	1·0	1·0	·9	·7	·6	...	...	--	--	--	--	4·8	51	...	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
15	--	--	--	--	...	...	...	·1	...	...	...	·7	·9	...	--	--	--	--	1·7	18	...	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
18	--	--	--	--	...	...	...	...	...	...	·1	·2	...	...	--	--	--	--	0·3	3	...	...	...
19	--	--	--	--	...	...	·2	·2	...	...	...	·2	...	....	--	--	--	--	0·6	6	...	...	...
20	--	--	--	--	...	...	...	·5	1·0	·7	·5	·6	·6	·1	--	--	--	--	4·0	40	...	...	...
21	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
22	--	--	--	--	...	...	·1	·3	...	...	...	...	...	...	--	--	--	--	0·4	4	...	...	...
23	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
24	--	--	--	...	...	...	...	...	...	·2	...	...	...	...	...	--	--	--	0·2	2	...	...	...
25	--	--	--	...	...	...	...	·2	·7	·6	·6	...	...	...	...	--	--	--	2·1	20	...	...	...
26	--	--	--	...	...	...	...	...	...	...	·1	·1	...	...	...	--	--	--	0·2	2	...	...	...
27	--	--	--	...	...	...	...	...	...	·1	...	...	...	...	...	--	--	--	0·1	1	...	...	...
28	--	--	--	...	...	·9	·2	·1	...	...	...	...	...	...	...	--	--	--	1·2	11	...	...	...
29	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
Sum	--	--	--	...	1·6	6·7	7·5	8·4	9·1	9·9	10·0	9·9	7·5	0·1	...	--	--	--	70·7	--	--	--	--
Mean	--	--	--	...	·06	·23	·26	·29	·31	·34	·34	·34	·26	...	...	--	--	--	2·44	26	--	--	--
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	Rate near noon†	Sec Z	Sky
																					SOLAR RADIATION received on surface perpendicular to solar beam		

* Hoar frost on Sunshine ball: value estimated † Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

227 ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres — MARCH, 1936

Day	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mm/cm²		
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	--	—	—	...	...	...	...	...
2	—	—	—	...	·4	1·0	1·0	1·0	·9	·4	·9	1·0	1·0	·7	...	—	—	—	8·3	77	...	...	...
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
4	—	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	—	—	—	0·1	1	...	...	...
5	—	—	—	...	...	...	·3	·1	...	...	·3	...	·3	...	...	—	—	—	1·0	9	...	...	...
6	—	—	—	...	...	...	...	·5	·5	·6	·9	·7	·6	...	...	—	—	—	3·8	34	...	...	...
7	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
8	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
9	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
10	—	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	—	0·1	1	...	...	...
11	—	—	—	...	...	...	·5	·7	·1	·1	·8	1·0	·1	...	...	—	—	—	3·3	29	...	...	...
12	—	—	—	...	...	...	·2	...	...	...	...	...	...	...	...	—	—	—	0·2	2	...	...	...
13	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
14	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
15	—	—	—	...	...	...	...	...	·5	·1	·7	...	·5	...	...	—	—	—	1·8	15	...	...	...
16	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
17	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	--	—	—	...	...	...	...	...
18	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
19	—	—	...	...	...	...	1·0	1·0	·2	·1	·2	·5	·9	...	...	...	—	—	3·9	32	...	...	...
20	—	—	...	...	·2	·2	·1	...	·1	·1	...	...	...	...	...	...	—	—	0·7	6	...	...	...
21	—	—	...	...	·8	1·0	1·0	·5	·9	...	·5	·1	...	...	...	...	—	—	4·8	39	...	...	...
22	—	—	...	...	...	...	·8	·8	1·0	·3	·3	·2	·1	...	...	...	—	—	3·5	29	...	...	...
23	—	—	...	...	...	...	...	...	...	·2	...	...	...	·3	·3	...	—	—	0·8	6	...	...	...
24	—	—	...	·3	·8	·7	1·0	1·0	1·0	·8	·9	·8	...	...	...	...	—	—	7·3	59	...	...	...
25	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
26	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
27	—	—	...	...	...	...	...	...	...	...	·3	·3	...	...	...	...	—	—	0·6	5	...	...	...
28	—	—	...	...	...	...	...	...	...	...	·1	·1	·3	·1	...	...	—	—	0·6	5	...	...	...
29	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
30	—	—	...	...	...	...	...	...	...	...	...	·2	·3	...	...	...	—	—	0·5	4	...	...	...
31	—	—	...	...	...	...	·1	·3	·5	·1	·8	·7	·4	·1	...	...	—	—	3·0	23	...	...	...
Sum	—	—	...	0·3	2·2	2·9	6·0	6·0	5·7	2·9	6·7	5·6	4·5	1·2	0·3	...	—	—	44·3	—	—	—	—
Mean	—	—	...	·01	·07	·09	·19	·19	·18	·09	·22	·18	·15	·04	·01	...	—	—	1·43	12	—	—	—

228 ESKDALEMUIR: h_s = 1·5 metres — APRIL, 1936

Day	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mm/cm²		
1	—	—	...	...	...	·1	·5	1·0	·8	·4	...	...	...	...	...	...	—	—	2·8	22	...	...	...
2	—	—	...	...	...	...	·4	·4	...	...	·1	...	...	...	...	...	—	—	0·9	7	...	...	...
3	—	—	...	...	...	...	...	...	...	...	·3	·2	...	...	·2	...	—	—	0·7	5	...	...	...
4	—	—	...	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	11·6	88	...	...	...
5	—	—	...	·9	1·0	1·0	·9	·7	·1	...	·1	·8	·6	...	...	...	—	—	6·1	45	...	...	...
6	—	—	...	...	1·0	·8	·6	·3	·8	·6	·7	...	...	...	...	...	—	—	4·8	36	...	...	...
7	—	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	10·5	78	...	...	...
8	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
9	—	—	...	...	·1	·8	1·0	1·0	·9	1·0	1·0	1·0	1·0	·9	·7	...	—	—	9·4	69	...	...	...
10	—	—	...	·6	1·0	1·0	1·0	1·0	·9	·3	·8	·4	...	...	...	...	—	—	7·0	51	...	...	...
11	—	—	...	·3	·9	·7	·7	·1	·3	·7	1·0	·8	1·0	·7	·2	...	—	—	7·4	54	...	...	...
12	—	—	...	·2	1·0	1·0	·6	·7	·7	·8	·5	·4	·7	·5	·6	...	—	—	7·7	56	...	...	...
13	—	—	...	...	...	...	·1	·5	·7	·8	·9	·8	·9	·2	...	...	—	—	4·9	35	...	...	...
14	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	—	—	0·1	1	...	...	...
15	—	—	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	·5	·6	·2	·7	·8	...	—	—	9·1	65	...	...	...
16	—	...	...	...	...	...	·1	·7	·5	·5	·8	·8	·8	·6	...	·2	...	—	5·0	35	...	...	...
17	—	...	·7	1·0	1·0	1·0	1·0	·1	·7	1·0	·8	·6	·3	·4	·6	·2	...	—	9·4	66	...	...	...
18	—	...	·5	·5	·3	...	...	...	...	·6	·3	·7	·9	1·0	·9	·1	...	—	5·8	41	...	...	...
19	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·4	·5	·3	1·0	1·0	·9	·5	...	—	11·3	79	...	...	...
20	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	·3	·3	·3	·2	...	—	10·0	69	...	...	...
21	—	...	·7	1·0	1·0	·9	·7	·8	·6	·3	·2	...	·1	...	...	...	...	—	6·3	43	...	...	...
22	—	...	·6	1·0	1·0	1·0	1·0	1·0	·9	·6	·7	·8	·7	·7	1·0	·3	...	—	11·3	78	...	...	...
23	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	...	...	...	...	...	—	7·4	51	...	...	...
24	—	...	...	...	...	...	...	·6	·8	·8	·2	...	...	...	...	...	...	—	2·4	16	...	...	...
25	—	...	...	·7	·8	·6	·5	·2	·7	1·0	·1	·1	...	·1	...	...	...	—	4·8	32	...	...	...
26	—	...	...	...	...	·1	·4	·1	·7	·3	·8	·7	·2	·5	·9	·1	...	—	4·8	32	...	...	...
27	—	...	...	...	·4	1·0	1·0	1·0	·5	·8	·7	·7	...	·2	·2	...	...	—	6·3	42	...	...	...
28	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
29	—	...	...	...	·2	·1	...	...	...	...	...	...	...	...	·1	·1	...	—	0·5	3	...	...	...
30	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·6	1·0	1·0	1·0	·6	...	—	12·8	85	...	...	...
Sum	—	...	5·7	11·4	16·6	17·1	17·5	17·2	17·6	16·2	14·7	12·5	11·8	10·8	9·7	2·3	...	—	181·1	—	—	—	—
Mean	—	...	·19	·38	·55	·57	·58	·57	·59	·54	·49	·42	·40	·36	·32	·08	...	—	6·04	43	—	—	—

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky

† Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

229 ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres. MAY, 1936

Day	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mm/cm²		
1	—	...	·2	1·0	1·0	1·0	1·0	·9	1·0	·9	·5	...	·1	·4	...	...	...	—	8·0	53	...	...	...
2	—	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	—	12·1	79	...	...	...
3	—	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	—	11·9	77	...	...	...
4	—	...	...	·6	·7	1·0	1·0	1·0	1·0	·9	·5	·1	·2	·9	1·0	·5	...	—	9·4	61	...	...	...
5	—	...	...	...	·1	·1	...	...	...	·2	·1	·1	·5	...	...	...	...	—	1·1	7	...	...	...
6	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	—	0·1	1	...	...	...
7	—	...	...	...	...	...	...	...	...	·2	·2	·1	...	...	...	...	...	—	0·5	3	...	...	...
8	—	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	11·9	76	...	...	...
9	—	...	...	1·0	·4	·4	1·0	1·0	·5	·6	·2	...	·1	·3	...	...	...	—	5·5	35	...	...	...
10	—	...	...	·7	·4	·2	1·0	·8	1·0	·7	·9	1·0	1·0	1·0	1·0	·5	...	—	10·2	64	...	...	...
11	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	...	·6	·9	·2	...	...	—	9·5	60	...	...	...
12	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
13	—	...	·2	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	·1	...	...	·1	...	...	—	8·1	51	...	...	...
14	—	...	·6	1·0	1·0	·9	1·0	·7	·7	·7	·8	·7	·8	·7	·5	·1	...	—	10·2	63	...	...	...
15	...	...	...	...	...	...	...	...	·8	·7	1·0	·6	·2	·1	...	...	...	...	3·4	21	...	...	...
16	...	...	...	...	...	...	...	...	·6	·9	·5	·4	·1	...	...	...	...	...	2·5	15	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	·3	·3	1·0	1·0	1·0	1·0	1·0	·5	...	...	...	6·1	37	...	...	...
19	...	...	...	·4	·7	1·0	1·0	1·0	1·0	1·0	1·0	·7	·2	·6	·3	·4	·3	...	9·6	59	...	...	...
20	...	...	·2	·7	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	12·6	77	...	...	...
21	...	·5	1·0	·9	·8	·9	·9	·9	·9	·9	1·0	1·0	1·0	1·0	1·0	·5	...	...	13·2	80	...	...	...
22	...	...	...	·2	·3	·1	...	...	...	·4	·6	·3	...	...	...	...	...	...	1·9	12	...	...	...
23	...	...	...	...	...	·1	...	...	·1	...	·5	...	·5	·4	1·0	1·0	·5	...	4·1	25	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	·1	...	·5	·9	·9	1·0	·8	·5	...	4·7	28	...	...	...
26	...	...	...	...	...	...	...	...	·2	·2	·2	·5	·9	·9	1·0	1·0	·3	...	5·2	31	...	...	...
27	...	...	...	...	...	...	...	...	·3	...	·1	·4	·2	·8	·7	·4	·2	...	3·1	18	...	...	...
28	...	·3	1·0	·8	·1	·7	·2	·8	1·0	1·0	1·0	...	·3	...	...	·1	...	...	7·3	43	...	...	...
29	...	...	...	...	...	...	·7	1·0	·8	·4	·7	·1	...	...	...	...	...	...	3·7	22	...	...	...
30	...	...	...	...	·1	·3	·7	·5	·9	·2	·4	·3	·5	·1	...	·5	...	...	4·5	27	...	...	...
31	...	·8	1·0	1·0	1·0	·9	·9	·1	...	·1	·2	·7	·4	...	·3	·1	...	...	7·5	44	...	...	...
Sum	...	1·6	4·9	11·9	11·9	13·6	15·4	15·0	17·0	16·9	16·7	12·7	13·5	14·0	12·5	8·2	2·1	...	187·9	—	...	...	...
Mean	...	·05	·16	·38	·38	·44	·50	·48	·55	·55	·54	·41	·44	·45	·40	·26	·07	...	6·06	37	...	...	...

230 ESKDALEMUIR: h_s = 1·5 metres JUNE, 1936

Day	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mm/cm²		
1	...	...	...	·2	·7	1·0	·6	·4	·3	·5	·9	·3	·2	·8	·1	·6	...	...	6·6	39	...	...	...
2	...	...	·4	·3	1·0	·6	·5	1·0	1·0	·2	...	·2	...	...	·2	...	...	...	5·4	32	...	...	...
3	...	...	...	·8	·9	·7	·9	·8	·7	·4	1·0	·8	...	·1	·6	1·0	·5	...	9·2	54	...	...	...
4	...	...	...	...	...	...	...	...	...	·1	·6	·6	·6	1·0	1·0	1·0	·8	...	5·7	33	...	...	...
5	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·9	·2	...	...	...	...	11·5	67	...	...	...
6	...	...	...	...	...	...	...	·1	...	...	...	·1	1·0	1·0	·4	...	...	...	2·6	15	...	...	...
7	...	...	·7	·6	·7	·9	·9	·9	·9	·5	·4	·3	·4	·7	·4	·6	·4	...	9·3	54	...	...	...
8	...	·2	1·0	1·0	·9	·5	·6	...	...	...	...	...	...	...	...	...	...	...	4·2	24	...	...	...
9	...	·2	·2	·1	·7	1·0	1·0	·8	·8	·7	·7	·9	·8	...	...	...	...	...	7·9	46	...	...	...
10	...	·6	1·0	1·0	·9	·8	·6	·4	·8	·9	1·0	·5	·2	·3	·1	·3	...	...	9·4	54	...	...	...
11	...	...	1·0	1·0	·6	·8	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	...	...	...	10·2	59	...	...	...
12	...	...	...	...	...	·2	·6	...	·1	·3	...	...	...	·1	...	...	...	...	1·3	8	...	...	...
13	...	...	...	...	...	...	...	...	·2	·2	·2	·1	...	·5	1·0	·5	...	...	2·7	16	...	...	...
14	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1	...	...	...
15	...	...	...	...	·1	...	...	...	...	·1	...	...	·2	·4	·5	...	·3	...	1·6	9	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	·3	·6	·2	·9	1·0	1·0	1·0	·1	5·1	29	...	...	...
18	...	·2	·7	1·0	1·0	·6	1·0	·9	1·0	1·0	·9	·5	·4	·4	1·0	·6	...	...	11·2	65	...	...	...
19	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	·3	·7	1·0	1·0	·6	...	...	...	11·6	67	...	...	...
20	...	...	...	...	...	·3	·1	...	·4	·4	·9	1·0	·6	·4	·6	1·0	·5	...	6·2	36	...	...	...
21	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	...	14·4	83	...	...	...
22	...	...	...	...	...	...	...	...	·5	...	...	·3	·2	...	...	...	...	...	1·0	6	...	...	...
23	...	...	...	...	...	...	...	...	...	...	3	...	·1	·3	...	...	...	...	0·7	4	...	...	...
24	...	...	...	...	...	...	...	...	...	·5	·8	·9	·9	·5	1·0	·3	...	...	4·9	28	...	...	...
25	...	...	...	...	...	...	·5	·1	...	...	·2	·8	·2	·2	·9	·2	...	...	3·1	18	...	...	...
26	...	...	...	·3	·7	·8	·5	·1	·4	·2	·2	·1	·5	·4	·2	·9	·6	...	5·9	34	...	...	...
27	...	...	·5	1·0	·1	·9	·5	·5	1·0	·7	1·0	·1	...	...	...	...	...	...	6·3	36	...	...	...
28	...	...	...	·2	·9	·6	...	...	·6	·1	·7	...	·2	...	...	...	...	...	3·3	19	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·9	1·0	·9	·9	...	4·6	27	...	...	...
Sum	...	2·6	8·5	10·7	12·2	12·7	12·3	10·0	12·5	10·8	13·4	11·5	11·2	11·1	11·6	9·9	5·1	0·1	166·1	—	—	—	—
Mean	...	·09	·28	·36	·41	·42	·41	·33	·42	·36	·45	·38	·37	·37	·39	·33	·17	...	5·54	32	—	—	—

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky

† Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

231 ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres — JULY, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	...	·3	·4	·8	·2	·6	·4	·1	...	...	...	...	·4	...	...	...	...	...	3·2	19	...	...	...
2	...	...	...	...	...	·6	1·0	·8	...	·9	·2	·6	·1	·1	...	...	...	...	4·3	25	...	...	...
3	...	...	·1	·2	...	...	...	·2	·5	...	·1	·5	...	...	...	...	...	...	1·6	9	...	...	...
4	...	...	·3	·5	...	·1	...	·1	...	...	·3	·3	...	...	·1	...	...	...	1·7	10	...	...	...
5	...	·5	·5	...	...	·2	·6	·8	·4	·2	·5	...	...	·3	·3	...	·1	...	4·4	26	...	...	...
6	...	...	...	...	...	...	·1	·4	·7	1·0	1·0	1·0	·9	1·0	·5	·1	...	...	6·7	39	...	...	...
7	...	...	...	...	...	...	...	...	·1	...	·7	·8	·6	·1	...	...	...	...	2·3	13	...	...	...
8	...	...	·3	·5	1·0	...	·6	·6	·2	·1	·4	·6	·6	·5	·7	·4	·1	...	6·6	39	...	...	...
9	...	...	...	·1	·6	·9	1·0	1·0	·7	·3	·3	...	...	·4	...	...	...	...	5·3	31	...	...	...
10	...	...	·6	1·0	1·0	·8	·7	·8	·4	·4	...	·2	...	·5	...	...	...	...	6·4	38	...	...	...
11	...	...	·4	·2	·8	·1	·2	·2	·2	...	...	...	...	...	...	...	...	...	2·1	12	...	...	...
12	...	...	·1	...	...	...	·2	...	·1	...	...	·1	·4	·4	...	...	...	...	1·3	8	...	...	...
13	...	...	...	...	...	...	·1	·6	·8	1·0	·8	·1	·6	·8	·9	...	...	...	5·7	34	...	...	...
14	...	...	...	...	...	...	·5	·2	...	·3	·7	·4	...	·2	·1	...	...	...	2·4	14	...	...	...
15	...	...	...	...	...	...	·7	·9	·8	·7	·4	1·0	1·0	1·0	·9	·1	...	...	7·5	45	...	...	...
16	...	...	...	...	·1	·8	·2	·1	...	...	·3	...	...	·1	·2	·8	·3	...	2·9	17	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...
20	...	...	...	...	...	...	...	·4	...	·3	·1	...	...	...	...	...	...	...	0·8	5	...	...	...
21	...	...	...	...	·7	1·0	·5	...	...	...	·3	·3	·2	·3	...	...	...	...	3·3	20	...	...	...
22	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	·1	...	...	0·3	2	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	·1	·2	·2	...	...	...	...	...	...	...	...	...	...	0·5	3	...	...	...
26	...	...	...	...	...	·1	·3	·1	·3	·7	·5	·1	...	·1	·1	·1	...	...	2·4	15	...	...	...
27	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	·3	·4	...	...	·4	·8	...	...	9·5	59	...	...	...
28	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	0·6	4	...	...	...
29	—	...	1·0	·7	1·0	1·0	1·0	·9	·9	·8	·8	·3	...	·7	·6	...	...	—	9·7	60	...	...	...
30	—	...	...	·6	·9	...	...	...	...	...	...	...	...	...	...	...	...	—	1·5	9	...	...	...
31	—	...	...	...	...	...	...	·2	·3	·8	1·0	·6	·4	...	...	...	...	—	3·3	21	...	...	...
Sum	...	0·8	4·6	5·6	7·3	7·3	9·6	10·0	7·6	8·2	8·7	7·3	5·2	6·5	4·8	2·4	0·5	...	96·4	—	...	...	...
Mean	...	·03	·15	·18	·24	·24	·31	·32	·25	·27	·28	·24	·17	·21	·15	·08	·02	...	3·11	19	...	...	...

232 ESKDALEMUIR: h_s = 1·5 metres — AUGUST, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	—	...	...	·5	·3	...	...	·1	·6	·1	·3	·3	·4	·3	·8	·3	...	—	4·0	25	...	...	...
2	—	...	...	...	...	...	...	...	·1	·3	...	·5	·2	...	·1	·1	...	—	1·3	8	...	...	...
3	—	...	·1	·5	...	...	·2	·2	·9	·2	·7	·9	·5	·6	·3	...	...	—	5·1	32	...	...	...
4	—	...	...	...	...	·3	·6	·9	·5	·6	1·0	1·0	·8	·7	...	...	...	—	6·4	41	...	...	...
5	—	...	...	...	...	·6	·1	·1	...	·1	·1	...	·1	...	...	...	...	—	1·1	7	...	...	...
6	—	...	...	...	...	...	...	...	...	...	...	...	...	·7	·4	...	...	—	1·1	7	...	...	...
7	—	...	·7	·7	1·0	1·0	1·0	1·0	·5	·6	·7	·8	...	·9	·2	...	...	—	9·1	59	...	...	...
8	—	...	...	...	...	·1	...	·1	·9	·4	·3	...	...	...	...	...	...	—	1·8	12	...	...	...
9	—	...	...	...	...	...	...	...	...	...	·2	...	·1	...	...	...	...	—	0·3	2	...	...	...
10	—	...	...	·1	·7	·8	·8	·9	·6	1·0	·7	·7	1·0	1·0	1·0	1·0	...	—	10·3	67	...	...	...
11	—	...	...	·8	·9	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	·5	...	...	—	11·0	72	...	...	...
12	—	...	...	...	·1	·7	·2	·5	1·0	·4	...	...	...	...	·1	...	·2	—	3·2	21	...	...	...
13	—	...	...	...	...	·4	·5	·6	·1	·1	...	...	...	·4	·1	...	...	—	2·2	15	...	...	...
14	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
15	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	—	0·1	1	...	...	...
16	—	...	...	·1	·4	...	·4	·5	·9	·9	·9	1·0	·8	·9	·2	...	...	—	7·0	47	...	...	...
17	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
18	—	...	...	·6	1·0	1·0	1·0	·3	·7	·9	·6	·7	·3	·1	...	...	...	—	7·2	49	...	...	...
19	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
20	—	...	...	...	...	...	...	...	...	·2	·7	...	·1	·2	...	...	...	—	1·2	8	...	...	...
21	—	...	...	...	·1	·7	·4	...	·1	·4	...	·6	1·0	·3	...	...	...	—	3·6	25	...	...	...
22	—	...	...	...	·7	1·0	1·0	·5	·9	·7	·6	·6	1·0	·5	·8	...	...	—	8·3	57	...	...	...
23	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
24	—	...	·1	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	...	—	7·7	54	...	...	...
25	—	...	...	·3	...	·4	·3	...	...	·5	·7	·7	1·0	1·0	·3	...	...	—	5·2	36	...	...	...
26	—	...	...	...	...	·5	·1	·5	·1	·1	·1	·7	1·0	1·0	1·0	·3	...	—	5·4	38	...	...	...
27	—	...	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	—	10·7	76	...	...	...
28	—	—	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	·1	—	—	9·8	70	...	...	...
29	—	—	...	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	8·4	60	...	...	...
30	—	—	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	—	—	0·5	4	...	...	...
31	—	—	...	...	...	...	·2	·7	·6	·2	...	·6	1·0	1·0	·9	...	—	—	5·2	38	...	...	...
Sum	—	...	0·9	3·6	6·2	11·5	11·7	11·9	13·3	12·7	12·7	14·5	13·8	13·6	8·4	2·4	...	—	137·2	—	...	...	...
Mean	—	...	·03	·12	·20	·37	·38	·38	·43	·41	·41	·47	·45	·44	·27	·08	...	—	4·43	30	...	...	...

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky

† Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

233 ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres — SEPTEMBER, 1936

Hour L. A. T.	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mm/cm²		
1	—	—	...	·6	1·0	1·0	1·0	1·0	·9	·5	·2	...	...	...	...	...	—	—	6·2	45	...	...	...
2	—	—	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	—	—	0·5	4	...	...	...
3	—	—	...	...	...	...	·2	...	...	·1	...	...	...	...	...	...	—	—	0·3	2	...	...	...
4	—	—	...	...	...	...	·1	·3	...	·4	·3	...	·3	...	...	...	—	—	1·4	10	...	...	...
5	—	—	...	...	...	...	·5	·3	·1	...	...	...	...	...	...	...	—	—	0·9	7	...	...	...
6	—	—	...	...	·1	...	·1	·5	1·0	·2	...	...	·1	...	...	...	—	—	2·0	15	...	...	...
7	—	—	...	...	...	·2	1·0	·8	·6	·7	·9	·6	...	...	...	...	—	—	4·8	36	...	...	...
8	—	—	...	·7	1·0	1·0	1·0	1·0	·4	·6	1·0	1·0	·7	·8	·3	...	—	—	9·5	72	...	...	...
9	—	—	...	...	...	...	...	...	·1	·3	·7	·2	...	...	...	...	—	—	1·3	10	...	...	...
10	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
11	—	—	...	...	...	...	·5	·4	·2	...	...	...	...	...	...	...	—	—	1·1	8	...	...	...
12	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
13	—	—	...	...	...	·1	·1	·8	·5	·7	1·0	1·0	·9	·9	·2	...	—	—	6·2	48	...	...	...
14	—	—	...	...	...	·1	·5	1·0	·8	·7	·5	...	...	...	...	...	—	—	3·6	28	...	...	...
15	—	—	...	...	·2	·9	1·0	·8	1·0	1·0	·9	·9	·2	...	...	...	—	—	6·9	54	...	...	...
16	—	—	...	...	...	·7	1·0	·8	·9	·9	1·0	·8	·7	1·0	·5	...	—	—	8·3	66	...	...	...
17	—	—	...	...	...	·1	·3	·2	·8	·9	·8	·6	·4	·3	...	...	—	—	4·4	35	...	...	...
18	—	—	...	...	...	...	...	...	·7	1·0	·8	·8	·3	...	...	...	—	—	3·4	27	...	...	...
19	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
20	—	—	...	...	...	...	...	...	...	·1	...	·2	·2	...	...	...	—	—	0·5	4	...	...	...
21	—	—	...	...	...	...	...	...	·1	...	...	·1	·6	...	...	...	—	—	0·8	7	...	...	...
22	—	—	...	...	·4	·9	1·0	1·0	·7	·4	·5	...	·1	...	...	...	—	—	5·0	41	...	...	...
23	—	—	...	...	...	...	...	...	...	...	...	·1	1·0	·9	·3	...	—	—	2·3	19	...	...	...
24	—	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	—	—	—	0·1	1	...	...	...
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
26	—	—	—	...	...	·4	·3	1·0	·9	...	...	...	...	...	...	—	—	—	2·6	22	...	...	...
27	—	—	—	...	·5	1·0	·8	·7	·4	·4	·9	·6	·2	·3	...	—	—	—	5·8	49	...	...	...
28	—	—	—	·2	1·0	1·0	1·0	·8	·3	·5	·6	·4	·3	·6	...	—	—	—	6·7	57	...	...	...
29	—	—	—	...	1·0	1·0	...	...	...	...	...	...	...	...	...	—	—	—	2·0	17	...	...	...
30	—	—	—	...	...	...	·3	·8	·1	...	...	...	...	...	...	—	—	—	1·2	10	...	...	...
Sum	—	—	...	1·5	5·2	8·4	10·7	12·3	10·5	9·4	10·1	7·6	6·0	4·8	1·3	...	—	—	87·8	—	...	...	...
Mean	—	—	...	·05	·17	·28	·36	·41	·35	·31	·34	·25	·20	·16	·04	...	—	—	2·93	23	...	...	...

234 ESKDALEMUIR: h_s = 1·5 metres — OCTOBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mm/cm²		
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
2	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
3	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	9·5	84	...	...	...
4	—	—	—	...	·9	1·0	1·0	1·0	·6	...	...	·4	·1	...	...	—	—	—	5·0	44	...	...	...
5	—	—	—	...	·7	·8	·2	·5	·1	...	·7	·3	·7	·1	...	—	—	—	4·1	37	...	...	...
6	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·6	·9	·9	...	—	—	—	9·2	83	...	...	...
7	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	·9	·6	·4	·6	...	—	—	—	8·3	75	...	...	...
8	—	—	—	...	...	...	...	...	·6	...	...	...	...	...	...	—	—	—	0·6	5	...	...	...
9	—	—	—	...	·3	·4	...	·2	·8	·7	...	...	...	...	...	—	—	—	2·4	22	...	...	...
10	—	—	—	...	...	·3	·3	...	...	...	...	...	...	...	...	—	—	—	0·6	6	...	...	...
11	—	—	—	...	...	...	...	...	·2	...	·1	...	...	...	...	—	—	—	0·3	3	...	...	...
12	—	—	—	...	...	...	·4	·2	·6	·6	·6	·5	·4	...	...	—	—	—	3·3	31	...	...	...
13	—	—	—	...	...	·2	·3	·4	·6	·3	·2	·8	·2	·1	...	—	—	—	3·1	29	...	...	...
14	—	—	—	...	...	...	...	·3	1·0	·5	...	...	...	...	...	—	—	—	1·8	17	...	...	...
15	—	—	—	...	...	·2	·3	·6	·5	1·0	·6	...	·2	·1	...	—	—	—	3·5	33	...	...	...
16	—	—	—	...	...	...	·2	·2	·7	·7	1·0	1·0	·5	·2	...	—	—	—	4·5	43	...	...	...
17	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
18	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	1·0	·9	·1	·2	...	—	—	—	7·0	68	...	...	...
19	—	—	—	...	...	...	...	...	...	...	·8	·9	·9	·3	...	—	—	—	2·9	28	...	...	...
20	—	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	—	—	—	0·1	1	...	...	...
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
22	—	—	—	—	...	...	...	...	...	·3	...	...	...	...	—	—	—	—	0·3	3	...	...	...
23	—	—	—	—	...	...	...	...	...	...	...	·4	·7	...	—	—	—	—	1·1	11	...	...	...
24	—	—	—	—	...	·2	...	·3	...	...	...	...	...	...	—	—	—	—	0·5	5	...	...	...
25	—	—	—	—	...	·3	·5	...	...	...	·1	...	...	...	—	—	—	—	0·9	9	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	·3	1·0	1·0	...	·3	·1	...	...	...	—	—	—	—	2·7	28	...	...	...
28	—	—	—	—	·4	1·0	·9	·9	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	8·3	87	...	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
31	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	·7	·6	·35	...	—	—	—	—	6·7	72	...	...	...
Sum	—	—	—	...	4·7	9·5	10·1	10·6	11·8	10·4	9·8	9·0	7·4	3·4	...	—	—	—	86·7	—	...	...	...
Mean	—	—	—	...	·15	·31	·33	·34	·38	·34	·32	·29	·24	·11	...	—	—	—	2·80	27	...	...	...

Hour L. A. T.	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky

† Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

235 ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres — NOVEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam: Rate near noon†	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	—	—	—	—	...	...	...	...	·2	...	...	...	...	...	—	—	—	—	0·2	2	...	...	...
2	—	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	·4	·1	...	—	—	—	—	5·9	64	...	...	...
3	—	—	—	—	...	...	...	·4	·6	·1	·3	·6	·6	...	—	—	—	—	2·6	29	...	...	...
4	—	—	—	—	...	...	...	...	...	·2	...	...	...	...	—	—	—	—	0·2	2	...	...	...
5	—	—	—	—	...	·5	·6	...	...	·1	·3	...	...	...	—	—	—	—	1·5	17	...	...	...
6	—	—	—	—	...	...	...	...	...	·4	·1	...	...	...	—	—	—	—	0·5	6	...	...	...
7	—	—	—	—	...	...	·3	·5	...	...	...	...	...	...	—	—	—	—	0·8	9	...	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
12	—	—	—	—	...	...	...	...	...	·1	...	·2	...	...	—	—	—	—	0·3	4	...	...	...
13	—	—	—	—	...	·7	1·0	·5	·1	...	...	...	...	...	—	—	—	—	2·3	27	...	...	...
14	—	—	—	—	...	...	...	...	...	...	·2	...	·1	...	—	—	—	—	0·3	4	...	...	...
15	—	—	—	—	...	...	...	...	...	·2	·2	·1	...	...	—	—	—	—	0·5	6	...	...	...
16	—	—	—	—	...	·7	1·0	·7	·5	·9	...	...	...	...	—	—	—	—	3·8	46	...	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
18	—	—	—	—	...	...	...	·9	1·0	·7	...	·3	...	...	—	—	—	—	2·9	36	...	...	...
19	—	—	—	—	—	...	*1·0	·6	...	...	...	...	...	—	—	—	—	—	1·6	20	...	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
22	—	—	—	—	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	—	—	—	6·9	87	...	...	...
23	—	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	—	—	6·1	78	...	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
25	—	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	...	—	—	—	—	—	5·6	72	...	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
27	—	—	—	—	—	...	...	...	·2	·9	1·0	·5	...	—	—	—	—	—	2·6	34	...	...	...
28	—	—	—	—	—	·5	1·0	1·0	1·0	1·0	·4	·8	·1	—	—	—	—	—	5·8	76	...	...	...
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
30	—	—	—	—	—	...	·5	·9	...	·6	·5	·2	...	—	—	—	—	—	2·7	36	...	...	...
Sum	—	—	—	—	...	3·5	9·0	9·5	7·6	9·2	7·0	6·0	1·3	...	—	—	—	—	53·1	—	...	...	...
Mean	—	—	—	—	...	·12	·30	·32	·25	·31	·23	·20	·04	...	—	—	—	—	1·77	21	...	...	...

236 ESKDALEMUIR: h_s = 1·5 metres — DECEMBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	—	—	—	—	—	...	·7	·9	·8	·7	·7	·4	...	—	—	—	—	—	4·2	56	...	...	...
2	—	—	—	—	—	...	...	...	·4	·9	·3	...	...	—	—	—	—	—	1·6	22	...	...	...
3	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
4	—	—	—	—	—	...	·5	·6	·6	·3	·9	·1	...	—	—	—	—	—	3·0	41	...	...	...
5	—	—	—	—	—	...	...	·2	·9	...	...	...	...	—	—	—	—	—	1·1	15	...	...	...
6	—	—	—	—	—	·1	·8	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	—	6·0	83	...	...	...
7	—	—	—	—	—	·4	1·0	1·0	1·0	1·0	·3	...	...	—	—	—	—	—	4·7	65	...	...	...
8	—	—	—	—	—	...	·7	1·0	1·0	1·0	·3	...	...	—	—	—	—	—	4·0	56	...	...	...
9	—	—	—	—	—	...	·8	1·0	·9	·9	·6	·7	...	—	—	—	—	—	4·9	68	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
13	—	—	—	—	—	...	·6	·5	·2	...	...	...	...	—	—	—	—	—	1·3	18	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
15	—	—	—	—	—	...	·7	1·0	·6	·5	·1	...	...	—	—	—	—	—	2·9	41	...	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
18	—	—	—	—	—	...	...	·1	...	...	...	·2	...	—	—	—	—	—	0·3	4	...	...	...
19	—	—	—	—	—	...	...	·9	·2	...	...	...	...	—	—	—	—	—	1·1	16	...	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
23	—	—	—	—	—	...	...	...	·3	·3	·5	...	...	—	—	—	—	—	1·1	16	...	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
25	—	—	—	—	—	...	·5	·3	...	...	...	...	...	—	—	—	—	—	0·8	11	...	...	...
26	—	—	—	—	—	...	...	·2	·3	·6	...	...	...	—	—	—	—	—	1·1	16	...	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
28	—	—	—	—	—	...	·6	·2	...	...	...	...	...	—	—	—	—	—	0·8	11	...	...	...
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
30	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
31	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
Sum	—	—	—	—	—	0·5	6·9	8·9	8·2	7·2	4·7	2·4	0·1	—	—	—	—	—	38·9	—	...	...	...
Mean	—	—	—	—	—	·02	·22	·29	·26	·23	·15	·08	...	—	—	—	—	—	1·25	18	...	...	...
ANNUAL TOTAL		5·0	24·6	45·0	67·9	95·7	123·6	128·3	129·4	123·5	120·0	103·1	80·3	65·5	48·6	25·2	7·7	0·1	1195·5	27	Rate near noon†	Sec Z	Sky
ANNUAL MEAN		0·1	0·7	·12	·19	·26	·34	·35	·35	·34	·33	·28	·22	·18	·13	·07	·02	·00	Total for Day	Per cent of Possible	SOLAR RADIATION received on surface perpendicular to solar beam		
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	MEAN FOR DAY 3·28				

*Hoar Frost on Sunshine ball: value estimated † Ångström Pyrheliometer

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

237 ESKDALEMUIR H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	200	5·9	200	6·0	200	4·9	170	1·6	160	1·5	190	0·7	250	0·4	10	1·7	20	1·9	50	1·9	20	3·6	20	5·2
2	210	2·1	260	3·1	260	1·8	210	0·4	170	0·3	230	0·4	360	0·2	10	0·1	340	0·2	360	0·2	330	0·5	---	0·0
3	140	0·1	160	0·3	10	1·1	20	1·7	20	1·3	10	2·2	10	3·2	360	3·8	360	2·6	350	3·9	360	4·5	360	2·6
4	310	1·7	340	1·1	270	0·9	270	2·1	300	3·5	350	0·7	270	2·4	280	2·3	300	1·6	300	2·1	240	1·2	210	0·6
5	330	0·1	350	0·2	30	0·1	150	0·2	140	4·4	110	4·2	100	1·8	20	1·5	30	1·7	360	2·8	340	2·9	360	1·7
6	100	5·3	100	5·0	120	8·6	120	10·5	130	9·8	120	7·8	120	8·3	140	7·0	120	6·5	110	8·8	110	10·6	110	9·7
7	140	0·3	100	0·2	130	0·2	150	1·0	150	1·8	150	2·4	140	1·3	150	2·2	140	0·7	130	0·4	120	0·1	120	0·9
8	50	2·2	60	2·0	40	0·5	40	0·6	40	0·9	340	0·8	10	0·1	100	0·2	170	0·2	---	0·0	150	1·0	150	3·2
9	190	5·0	200	4·9	200	5·6	200	6·6	210	8·2	200	7·6	200	8·2	200	8·8	190	8·3	170	5·9	180	6·8	190	9·4
10	240	20·9	240	16·8	250	17·0	250	18·2	250	13·5	240	12·9	230	13·8	230	15·1	230	15·0	230	14·8	220	15·8	230	17·1
11	310	3·5	330	5·3	310	6·9	290	7·5	280	8·6	290	10·8	280	10·9	280	7·1	270	8·5	280	10·7	280	9·8	270	9·2
12	260	4·3	260	2·2	240	1·5	250	2·9	270	1·4	260	2·2	230	2·7	220	2·4	230	2·9	120	0·8	180	1·1	170	0·9
13	250	7·2	220	6·2	190	5·3	210	5·1	230	4·8	230	5·1	240	6·1	240	2·8	220	4·0	280	3·3	300	4·7	300	5·4
14	300	0·6	360	1·2	360	2·6	360	3·6	20	1·3	360	1·0	360	0·3	40	1·5	10	0·1	10	0·3	40	0·4	340	2·6
15	350	0·7	340	0·9	350	0·7	330	1·7	340	2·0	340	1·4	340	1·8	350	2·7	350	1·6	360	0·8	350	0·4	360	0·4
16	---	0·0	---	0·0	360	0·1	---	0·0	---	0·0	360	0·1	---	0·0	160	0·2	---	0·0	---	0·0	---	0·0	170	0·1
17	20	4·9	20	4·1	20	4·2	20	1·5	10	3·2	20	2·2	360	4·2	10	1·8	40	1·3	150	1·3	170	1·5	230	1·0
18	320	11·6	340	12·8	350	12·9	350	10·2	350	5·4	20	2·3	330	4·0	320	5·4	220	3·1	270	2·6	310	4·2	300	5·7
19	160	0·6	80	0·3	180	0·2	30	0·3	---	0·0	330	0·1	10	0·4	10	0·2	10	0·2	110	0·2	90	0·4	290	0·1
20	60	3·5	50	5·0	50	3·6	50	5·1	50	9·6	50	*(9·5)	50	(11.0)	50	(12.5)	50	(14·0)	50	(16·5)	50	(16·0)	50	(15·0)
21	360	2·3	350	3·9	350	5·6	340	5·8	320	6·2	320	6·0	310	8·2	320	9·9	320	10·7	310	12·5	320	10·8	340	9·5
22	190	1·3	160	1·7	220	0·8	180	0·6	150	0·4	160	0·8	180	0·3	230	2·9	240	3·9	220	4·5	220	5·4	210	5·3
23	280	4·8	270	6·1	280	8·0	270	8·5	270	9·5	270	8·5	270	9·4	270	9·3	270	7·5	270	7·4	270	7·5	250	6·9
24	120	0·8	140	0·4	170	0·1	---	0·0	---	0·0	---	0·0	290	0·1	---	0·0	---	0·0	220	0·5	180	1·2	190	2·2
25	40	3·4	90	4·1	80	6·8	100	6·5	100	8·7	100	8·5	100	9·1	100	9·2	110	7·5	110	6·3	120	30	130	4·0
26	20	1·8	350	1·8	340	1·5	350	0·6	350	0·2	350	0·4	40	0·2	360	0·1	350	0·1	220	1·4	230	5·2	220	4·8
27	180	5·9	190	3·6	170	5·0	170	3·9	170	5·0	170	5·1	160	5·7	160	6·0	170	5·8	170	6·8	180	8·3	180	7·5
28	200	9·1	210	7·3	200	4·4	190	4·3	170	2·9	190	2·4	160	2·5	170	2·8	180	5·5	190	3·0	190	3·5	180	0·6
29	330	0·6	350	1·9	10	1·9	360	2·7	20	2·3	20	1·1	360	1·6	40	2·6	30	3·6	20	4·3	20	4·5	20	5·2
30	220	0·7	---	0·0	140	0·6	110	0·5	160	1·2	150	0·5	230	0·1	180	1·7	190	1·5	170	0·8	220	5·1	220	6·5
31	360	0·2	340	0·8	350	0·9	310	0·2	360	0·1	360	0·1	330	0·1	20	0·2	---	0·0	---	0·0	30	0·1	150	0·5
Mean	---	3·6	---	3·5	---	3·7	---	3·7	---	3·8	---	3·5	---	3·8	---	4·0	---	3·9	---	4·0	---	4·5	---	4·6

238 ESKDALEMUIR: H_a = 235 metres + 15 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	210	4·2	190	2·2	180	2·4	200	2·3	210	1·7	210	3·3	190	1·4	190	1·7	180	1·0	160	0·5	190	1·0	210	4·1
2	20	4·3	10	3·4	10	2·4	20	3·3	20	2·8	20	5·5	20	5·2	20	3·4	30	1·7	60	0·9	306	3·9	360	3·1
3	260	1·7	300	5·1	290	8·9	310	5·8	330	6·2	350	7·9	340	8·6	340	8·4	350	9·9	350	9·6	340	9·7	350	11·5
4	280	1·9	320	2·7	360	1·8	180	0·7	360	0·6	270	0·8	260	0·7	250	0·2	---	0·0	100	0·1	100	0·3	160	1·8
5	350	0·1	350	0·2	330	0·7	10	0·8	10	0·7	30	1·3	40	0·8	10	1·1	10	1·4	20	1·4	60	2·9	50	3·8
6	360	1·2	20	0·1	170	0·6	180	1·9	180	3·1	190	2·5	200	2·2	180	3·3	170	5·0	180	5·9	180	5·6	180	6·0
7	170	6·9	180	6·8	180	5·8	170	6·3	170	5·9	170	4·3	170	4·3	160	4·1	170	4·2	160	4·3	160	3·2	160	4·2
8	340	0·9	340	1·8	340	1·6	350	1·4	340	1·7	340	1·4	350	2·0	340	1·7	360	1·4	360	0·2	170	0·2	180	2·7
9	60	2·6	50	2·2	50	2·7	60	3·5	30	5·8	30	5·4	20	4·9	30	3·5	30	4·3	50	4·8	40	6·6	40	7·9
10	100	12·3	100	10·8	100	11·0	100	11·8	100	12·2	100	11·9	100	12·4	100	14·2	100	13·5	100	13·4	100	13·6	100	12·7
11	70	4·1	80	4·9	100	8·3	90	8·5	90	7·2	40	4·0	60	4·7	20	4·4	30	4·7	50	4·5	50	3·3	60	3·8
12	10	2·8	360	3·3	360	3·2	360	2·6	360	2·3	360	3·0	10	2·6	30	0·9	360	1·1	20	0·6	40	0·9	50	0·9
13	280	0·1	350	0·2	350	0·3	350	0·8	350	1·5	350	1·2	340	1·4	340	1·6	350	2·1	360	4·2	10	3·5	10	4·8
14	30	3·8	360	3·4	360	4·5	10	2·8	350	2·9	350	3·2	350	4·4	360	2·6	350	3·2	350	2·3	20	1·5	150	1·2
15	360	1·5	360	1·7	10	1·5	30	1·7	10	2·4	10	2·5	40	0·7	20	0·6	10	1·2	20	1·4	130	0·6	190	0·4
16	150	0·1	10	0·2	---	0·0	---	0·0	350	0·1	350	0·1	350	0·1	---	0·0	150	0·2	160	0·3	---	0·0	360	0·3
17	350	1·8	360	2·2	10	1·3	10	1·4	10	1·2	40	1·9	10	1·7	50	2·0	50	2·9	70	3·3	120	6·6	140	5·0
18	140	2·9	90	1·9	100	2·7	130	5·2	100	8·6	100	9·1	100	9·3	110	9·9	120	10·6	130	7·9	150	6·5	170	5·7
19	200	10·3	210	9·6	220	13·5	220	13·0	230	14·8	210	11·6	210	10·6	210	9·5	200	8·4	190	7·3	190	7·4	180	6·8
20	220	7·7	220	9·1	220	7·0	220	8·8	230	10·0	220	8·6	220	7·5	220	6·8	220	8·1	220	7·7	220	8·6	230	9·9
21	160	1·0	350	1·3	340	1·4	10	2·0	90	2·8	50	4·7	40	5·0	40	6·3	30	6·0	40	4·3	20	2·2	350	2·0
22	220	4·3	220	3·7	220	2·9	210	3·6	220	4·2	220	3·8	210	3·3	200	1·9	180	1·6	210	2·9	200	4·3	200	3·9
23	20	4·1	20	4·8	10	4·5	10	5·0	360	6·4	360	7·4	360	7·8	10	5·6	20	7·2	360	7·1	360	8·7	360	8·8
24	30	4·9	30	5·5	30	5·3	30	4·8	30	4·5	30	3·5	40	4·5	40	5·2	30	5·0	30	6·4	40	8·0	40	8·2
25	30	5·2	40	5·5	30	5·1	40	5·1	40	5·4	50	4·8	50	4·1	50	3·6	70	4·5	80	2·8	60	1·9	350	1·5
26	200	5·2	210	5·9	210	7·8	200	5·4	210	6·6	210	8·3	210	7·2	220	10·9	230	11·6	230	9·6	230	8·8	210	9·6
27	230	6·4	230	6·0	240	3·6	240	6·0	220	5·4	200	4·9	200	4·8	210	5·6	220	5·9	200	4·2	210	5·1	210	5·1
28	20	0·3	---	0·0	360	0·2	20	1·0	10	2·2	360	2·6	350	1·6	40	3·5	30	2·0	40	4·3	40	4·6	30	5·9
29	40	9·2	30	9·8	40	11·9	30	11·2	30	12·5	30	11·6	30	11·4	30	10·3	30	9·8	20	9·8	20	9·9	20	9·5
Mean	---	4·1	---	3·9	---	4·2	---	4·4	---	4·9	---	4·9	---	4·7	---	4·6	---	4·8	---	4·5	---	4·8	---	5·2
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

* Values interpolated, anemometer head choked with snow

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

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12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
30	5·9	40	5·0	40	3·0	10	2·5	360	2·6	360	2·7	10	2·0	10	1·5	140	0·1	200	0·3	190	0·7	190	1·8	2·6	1
---	0·0	210	0·5	210	1·3	80	0·2	360	0·2	270	0·1	20	0·1	20	0·1	360	0·1	140	0·1	---	0·0	180	0·1	0·5	2
360	2·5	350	2·9	350	0·9	10	0·5	360	2·3	340	2·9	340	1·8	330	2·5	240	1·3	270	0·2	310	1·2	250	0·9	2·0	3
270	2·6	280	2·4	260	2·1	250	2·7	200	0·9	360	0·5	350	0·1	---	0·0	320	0·1	---	0·0	---	0·0	---	0·0	1·3	4
170	3·1	170	6·4	160	4·1	150	3·4	140	5·2	130	6·8	130	9·5	120	9·9	120	10·7	120	11·0	120	8·8	130	7·2	4·5	5
110	8·5	100	7·7	110	7·7	100	6·9	90	6·1	100	7·2	100	6·5	100	5·9	110	6·1	110	3·9	120	3·2	120	2·3	7·1	6
80	0·9	60	3·6	30	2·5	10	1·7	360	3·0	30	3·1	360	2·5	350	1·7	360	2·7	20	4·3	30	4·6	30	4·5	1·9	7
160	4·4	150	4·8	140	4·3	130	3·5	150	3·3	170	3·5	180	4·3	190	4·3	210	7·6	210	5·1	190	4·1	180	4·0	2·7	8
190	10·9	170	7·5	160	6·4	150	7·9	150	10·0	140	10·6	170	8·2	180	10·7	190	11·8	220	13·9	230	22·2	230	22·4	9·5	9
240	12·0	260	7·5	250	7·3	260	6·3	250	7·0	230	5·3	250	4·1	250	2·8	250	2·7	220	2·3	190	2·1	280	2·1	10·5	10
270	8·2	270	8·5	270	10·0	280	9·8	270	8·3	280	10·5	280	10·5	290	11·1	290	11·7	290	10·0	280	4·7	260	3·4	8·6	11
190	2·0	240	3·9	220	1·0	190	2·4	210	3·4	210	2·3	190	2·8	210	3·9	230	6·3	250	8·0	240	8·5	250	8·2	3·3	12
310	6·9	300	5·7	300	5·4	300	3·6	300	7·9	300	8·3	290	7·7	290	8·7	300	4·5	310	3·5	270	1·6	120	0·7	5·2	13
350	4·6	350	5·1	350	4·3	360	2·7	360	3·2	360	1·2	10	0·4	---	0·0	360	0·1	---	0·0	360	0·1	360	0·5	1·6	14
---	0·0	---	0·0	360	0·5	350	1·7	340	2·3	350	1·1	350	1·1	350	0·6	350	1·5	360	0·7	350	0·2	360	0·2	1·0	15
40	0·2	20	0·2	---	0·0	10	0·7	30	2·9	20	5·2	20	5·0	20	7·5	20	7·6	20	4·5	10	4·7	10	6·9	1·9	16
210	1·7	220	4·7	200	5·8	200	6·5	210	7·5	210	9·0	260	8·0	270	7·1	270	8·0	290	11·5	300	11·3	320	12·3	5·2	17
290	6·3	270	4·8	190	2·8	210	2·5	240	2·4	300	3·6	310	5·0	290	3·6	300	0·6	10	1·7	30	1·3	190	1·2	4·8	18
---	0·0	---	0·0	40	0·1	20	0·3	360	0·4	10	1·2	360	2·3	10	2·7	20	1·8	30	1·7	340	3·0	360	2·9	0·8	19
40	(13·5)	40	12·5	30	10·0	30	7·3	30	6·2	20	4·0	10	0·2	---	0·0	140	0·1	100	1·3	50	2·1	20	3·5	7·6	20
330	10·1	330	10·6	330	11·0	330	10·3	320	7·4	320	6·8	310	8·1	300	8·0	310	8·0	320	8·5	280	4·8	310	2·0	7·8	21
230	7·7	220	8·2	230	8·3	230	8·9	230	7·8	220	8·5	220	7·7	220	5·6	240	5·0	260	4·6	300	4·5	300	4·5	4·5	22
260	8·0	260	6·5	260	7·6	250	5·0	210	3·2	220	5·6	240	4·5	250	3·6	260	3·8	260	4·5	250	1·6	280	1·4	6·2	23
140	1·2	10	1·0	350	2·1	20	0·4	20	1·4	20	1·8	50	3·0	60	4·4	60	6·4	70	5·2	70	5·1	70	5·0	1·8	24
120	3·6	80	2·1	30	3·1	70	3·8	60	3·2	50	4·1	40	2·7	40	3·2	30	2·5	40	3·4	40	2·8	50	3·2	4·8	25
210	3·2	220	2·5	240	3·4	230	3·3	220	2·1	230	3·3	210	4·4	210	3·1	200	1·9	190	3·1	200	4·9	200	5·5	2·5	26
190	5·5	200	7·0	200	6·9	200	6·3	190	5·4	190	5·3	180	4·9	190	6·9	190	7·8	190	9·3	220	11·2	200	9·1	6·4	27
170	0·3	210	2·3	220	4·0	200	4·5	210	4·8	220	6·3	190	3·3	210	2·4	190	0·9	170	2·0	190	2·2	10	0·4	3·4	28
20	5·8	20	5·0	20	6·8	10	5·7	360	3·8	360	5·6	20	3·8	20	3·5	40	3·1	20	0·6	290	0·9	210	0·5	3·2	29
230	7·0	230	9·0	230	8·8	220	7·5	210	6·4	180	3·5	180	3·5	210	6·5	210	4·2	190	1·0	170	0·7	---	0·0	3·2	30
210	1·2	250	1·6	240	2·0	240	2·0	240	1·9	230	3·5	220	2·6	230	3·2	210	2·4	210	1·8	210	3·4	210	2·6	1·3	31
---	4·8	---	4·8	---	4·6	---	4·2	---	4·3	---	4·6	---	4·2	---	4·4	---	4·2	---	4·1	---	4·1	---	3·8	4·1	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
210	4·2	210	3·7	200	3·8	190	2·4	190	2·1	210	2·3	240	1·3	---	0·0	10	0·3	10	0·9	10	2·3	20	4·4	2·2	1
20	3·9	10	5·0	10	6·0	20	5·7	20	6·5	20	6·3	20	5·4	20	4·5	30	1·2	60	3·2	360	2·9	360	0·4	3·8	2
350	10·9	350	10·8	350	8·5	350	6·8	340	6·3	340	3·8	340	4·0	350	4·1	360	4·3	350	4·3	100	1·8	320	2·6	6·7	3
230	2·0	280	3·1	270	3·2	220	3·8	220	2·4	300	2·0	350	0·6	260	0·7	350	0·1	360	0·3	350	0·2	360	0·2	1·3	4
60	3·7	60	3·4	60	3·3	50	3·0	30	2·0	10	2·0	360	2·1	360	1·9	10	1·2	10	2·9	360	2·5	360	2·6	1·9	5
170	5·5	170	5·1	170	4·9	170	5·7	170	5·3	190	3·6	170	5·2	170	5·3	180	4·5	180	4·6	180	3·8	180	5·3	4·0	6
150	5·9	160	5·8	170	4·4	170	3·5	170	4·6	180	4·9	180	3·0	290	0·9	300	0·6	320	0·9	340	0·7	330	0·4	4·0	7
170	3·1	140	2·5	140	3·8	110	3·5	80	3·1	60	3·5	50	4·1	60	4·2	50	4·1	40	4·5	30	3·7	10	3·9	2·5	8
40	6·0	50	5·0	50	6·3	40	6·2	20	3·6	60	6·8	70	8·1	90	11·4	90	10·7	100	8·7	90	11·5	100	12·2	6·3	9
100	10·8	100	11·5	110	7·2	120	5·0	120	6·3	120	4·5	120	5·1	130	4·5	360	2·7	50	2·8	90	3·6	70	2·8	9·0	10
60	5·0	50	4·8	50	5·6	70	7·6	70	6·8	40	3·6	360	3·4	350	4·7	360	5·4	20	3·0	350	4·8	340	3·6	5·0	11
120	0·6	170	1·7	170	1·3	160	0·5	270	0·2	330	2·1	340	0·7	340	0·6	360	0·4	350	0·1	360	0·1	40	0·0	1·4	12
10	4·5	40	4·9	40	4·2	10	3·7	360	5·1	360	4·9	360	4·3	10	3·7	10	5·0	360	4·7	10	4·5	10	4·3	3·2	13
170	3·7	180	4·1	170	3·2	190	2·8	190	2·4	300	0·4	10	0·4	340	1·2	340	0·9	360	1·1	350	1·0	10	0·8	2·4	14
210	0·7	140	0·2	170	0·6	160	0·5	240	0·6	340	0·5	330	0·2	350	0·1	---	0·0	270	0·1	---	0·0	160	0·1	0·8	15
190	2·9	200	3·3	220	3·0	240	2·6	190	1·7	250	0·8	320	1·2	340	1·0	320	2·2	340	0·8	360	1·2	350	1·8	1·0	16
140	3·4	150	5·2	140	3·0	140	3·5	110	1·3	130	1·8	140	3·1	160	2·0	170	2·2	190	1·7	180	2·8	160	2·5	2·7	17
170	3·4	180	3·6	170	5·0	160	3·5	150	5·8	140	4·9	130	4·1	140	7·1	150	8·3	170	6·8	180	9·7	190	12·1	6·4	18
200	5·7	200	4·8	160	1·0	160	2·1	170	1·4	180	3·6	170	3·9	190	5·9	190	4·6	200	6·3	210	7·3	210	6·2	7·3	19
220	10·0	220	11·1	220	10·0	220	9·9	210	7·8	210	4·8	190	3·7	200	4·3	190	4·5	170	2·8	170	2·0	180	1·9	7·2	20
340	1·0	260	4·8	270	7·1	260	6·5	220	5·3	200	2·8	200	5·0	220	7·6	210	8·3	210	7·8	220	6·4	210	4·9	4·4	21
190	4·4	190	3·2	150	1·7	120	0·2	340	1·2	10	1·3	360	2·2	50	1·7	40	0·6	50	1·4	40	3·3	20	3·3	2·7	22
350	9·6	350	9·5	350	6·8	360	5·3	10	3·8	30	4·3	30	4·2	40	4·6	40	4·1	40	4·8	40	4·5	40	4·5	6·0	23
40	8·8	40	8·5	30	9·0	40	9·0	40	11·1	30	9·7	30	9·1	40	8·9	40	8·1	30	7·0	30	5·7	20	5·0	6·9	24
260	2·6	210	3·0	220	2·2	230	3·6	230	3·4	240	3·0	230	3·5	210	3·2	190	3·3	170	1·6	220	4·0	220	5·1	3·7	25
220	7·3	220	8·5	230	8·6	220	7·0	240	7·2	250	7·5	260	8·0	260	5·8	250	4·9	240	5·7	210	3·6	230	5·2	7·3	26
190	6·0	200	5·6	200	4·8	180	5·2	200	3·6	220	*(1·5)	190	(0·2)	210	0·1	---	0·0	160	0·1	---	0·0	40	0·1	3·8	27
40	7·1	40	7·3	40	7·1	30	6·8	20	8·2	30	9·1	30	9·0	30	8·0	40	9·5	50	10·0	40	8·3	40	9·6	5·3	28
20	8·4	20	7·4	10	6·7	20	6·7	20	7·6	20	5·5	20	6·6	20	7·0	20	8·3	20	6·7	20	10·0	20	11·3	9·1	29
---	5·2	---	5·4	---	4·9	---	4·6	---	4·4	---	3·9	---	3·9	---	4·0	---	3·8	---	3·6	---	3·9	---	4·0	4·4	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

* Velocity rod sticking, interpolated

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

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H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	20	12·1	20	12·0	20	13·3	20	14·8	20	10·5	10	10·0	10	9·8	10	10·1	10	10·2	10	11·3	10	12·6	10	12·5
2	10	10·8	10	10·2	10	9·5	10	9·8	10	10·2	10	10·1	10	11·1	10	11·8	10	10·7	10	10·0	10	9·5	10	7·7
3	330	0·1	---	0·0	310	0·2	---	0·0	---	0·0	330	0·2	---	0·0	---	0·0	---	0·0	---	0·0	290	0·1	150	0·0
4	350	1·0	350	0·5	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	180	2·9	190	5·9	190	9·2
5	250	5·1	240	5·3	200	2·6	210	4·2	200	5·1	200	5·5	220	6·3	230	6·6	230	7·7	240	7·1	220	6·1	220	6·3
6	190	4·0	180	3·0	180	4·7	180	5·5	180	4·8	210	4·4	230	2·6	270	3·3	250	2·7	270	4·1	260	4·4	270	4·8
7	220	0·8	230	0·2	280	0·0	190	1·7	190	3·1	180	2·8	200	2·2	190	0·6	170	0·3	150	2·5	150	5·1	150	4·8
8	160	4·8	170	4·4	170	3·9	70	4·6	160	4·9	160	5·2	180	4·8	180	3·6	170	2·2	170	3·0	180	3·9	200	4·3
9	---	0·0	10	1·3	10	2·2	360	2·8	20	2·5	360	2·5	10	3·3	10	2·7	20	4·8	20	7·6	30	5·9	30	7·1
10	20	7·2	20	6·7	20	5·5	10	5·0	10	5·0	10	5·0	10	5·0	10	4·9	10	5·2	10	4·9	10	4·8	360	4·3
11	30	0·9	20	0·6	350	1·2	10	1·5	10	0·5	360	1·7	360	2·2	360	3·4	360	2·5	50	0·8	70	1·9	80	0·2
12	340	0·8	350	0·7	360	0·3	360	0·4	360	0·2	360	0·3	360	0·2	---	0·0	---	0·0	130	0·1	160	1·5	160	2·3
13	---	0·0	330	0·1	340	0·5	350	0·6	350	1·4	350	1·3	350	1·1	---	0·0	---	0·0	140	0·8	150	2·4	160	2·1
14	140	1·7	130	1·5	150	0·6	150	0·2	---	0·0	---	0·0	---	0·0	170	0·3	160	0·3	140	1·3	150	2·8	150	3·1
15	290	2·5	210	0·6	270	1·6	270	2·8	270	2·4	210	2·4	300	1·7	270	1·9	70	0·8	240	1·6	280	4·3	310	5·0
16	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	90	0·1	120	0·5	160	2·2	180	2·8	210	3·4	220	3·8	200	4·9
17	260	2·9	250	2·4	240	3·7	220	4·5	230	5·0	230	4·9	240	4·2	250	3·1	250	2·2	260	2·9	260	3·5	240	3·5
18	290	0·7	10	0·2	160	0·1	170	0·3	330	0·2	320	0·1	310	0·1	350	0·1	---	0·0	50	0·1	130	0·2	100	0·2
19	20	2·0	10	2·0	10	1·3	60	4·0	60	5·4	60	5·0	60	5·5	50	4·2	40	3·0	60	5·6	110	6·8	120	7·2
20	350	0·9	30	0·9	100	0·5	90	0·2	160	0·5	90	1·0	350	0·9	30	0·8	170	2·4	160	4·9	160	4·8	170	5·3
21	190	3·3	180	2·4	180	1·6	180	0·1	80	0·1	140	0·6	130	0·5	40	0·4	10	0·5	130	3·6	150	5·1	150	5·8
22	160	2·2	160	1·9	90	1·1	50	3·3	10	5·0	360	5·1	360	5·0	30	4·5	90	7·8	80	7·1	110	9·4	110	10·4
23	150	3·5	140	1·2	160	0·9	60	0·6	350	1·5	30	2·4	30	2·6	10	2·8	40	3·4	80	5·7	100	4·1	120	4·6
24	70	5·0	70	3·6	160	5·0	200	8·3	190	5·4	190	4·2	180	2·9	190	1·3	170	3·0	150	5·6	150	6·3	160	5·5
25	50	4·7	20	4·1	30	4·8	30	4·2	30	4·8	30	3·6	10	4·6	10	5·1	20	5·0	10	5·0	10	4·9	20	5·7
26	50	6·7	40	5·2	40	6·9	50	6·1	50	5·9	40	5·4	60	6·0	60	6·0	40	6·2	50	7·0	50	8·6	40	8·2
27	60	9·8	50	6·2	50	5·5	50	6·7	60	7·5	60	8·9	70	8·8	70	6·5	60	7·2	70	5·6	80	7·2	60	5·8
28	60	4·5	60	2·7	120	2·0	130	2·1	130	2·5	120	2·5	140	2·9	140	3·2	150	3·6	160	4·6	160	4·5	180	5·5
29	340	2·0	350	2·1	350	1·8	10	2·1	20	2·0	40	0·9	90	3·0	130	4·4	130	5·6	130	6·1	120	8·2	130	9·6
30	180	7·8	180	8·0	180	7·3	190	5·8	200	5·0	200	4·1	240	7·5	240	7·0	250	8·6	250	7·3	240	7·5	240	8·9
31	180	2·9	20	5·7	200	7·7	210	10·1	210	7·8	200	7·9	210	9·0	210	8·4	230	8·8	230	9·5	230	9·9	240	9·9
Mean	---	3·6	---	3·1	---	3·1	---	3·6	---	3·5	---	3·5	---	3·7	---	3·5	---	3·8	---	4·6	---	5·3	---	5·6

240 ESKDALEMUIR: H_a = 235 metres + 15 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	200	1·1	290	0·7	350	1·3	30	1·0	190	0·5	10	0·1	360	0·6	---	0·0	20	0·5	50	0·3	120	0·7	180	0·7
2	20	4·2	40	4·5	40	5·5	30	6·4	30	6·5	20	6·6	30	5·1	30	6·2	50	7·4	40	6·6	50	7·7	40	6·5
3	90	0·9	50	0·6	50	1·6	50	2·4	50	1·9	60	1·3	50	1·1	80	1·7	110	3·4	100	3·5	100	3·5	90	3·5
4	40	5·0	60	2·7	50	2·4	40	4·4	50	4·0	40	4·7	40	4·9	40	5·6	40	7·0	60	7·5	70	7·7	60	8·5
5	10	1·8	10	1·6	10	2·3	360	3·2	360	2·3	20	0·5	10	0·8	20	1·0	50	4·5	60	5·4	50	4·8	60	4·5
6	...	...	---	0·0	---	0·0	...	...	---	0·0	---	0·0	---	0·0	50	0·1	140	0·7	300	4·9	300	7·9	300	8·6
7	20	2·3	40	2·3	60	2·5	40	1·9	20	2·7	360	3·5	350	2·4	10	2·4	30	4·1	30	3·3	50	3·4	30	1·8
8	140	0·1	320	0·2	---	0·0	250	0·1	10	0·2	360	0·2	---	0·0	---	0·0	140	0·3	110	0·7	180	0·8	40	0·4
9	20	2·6	20	3·1	20	1·7	350	1·8	360	0·6	20	0·3	350	1·6	30	0·7	70	2·9	70	4·9	70	4·8	60	5·6
10	360	0·2	360	0·4	360	0·7	360	0·4	20	0·2	---	0·0	---	0·0	30	0·2	20	4·7	40	6·3	70	4·8	50	3·7
11	20	5·4	20	6·3	20	6·2	30	4·8	10	5·6	10	5·0	20	6·0	10	7·3	10	9·8	20	9·5	20	9·0	20	8·0
12	360	5·7	10	6·6	10	7·7	20	8·7	30	7·0	20	6·0	20	6·9	40	6·3	30	6·5	40	8·2	50	7·6	70	8·1
13	20	7·0	20	7·8	20	8·9	20	10·3	20	10·9	20	10·2	20	10·7	20	9·5	30	9·4	30	9·3	30	9·3	50	10·6
14	10	3·3	20	5·3	20	6·5	20	6·4	10	4·8	10	4·0	20	5·2	20	5·1	20	5·0	20	4·9	30	6·0	40	7·0
15	360	6·4	10	5·9	360	6·2	10	7·9	10	7·0	10	6·9	10	8·3	10	9·4	10	9·5	10	11·7	20	12·2	20	11·6
16	10	2·5	360	3·8	360	4·6	360	3·6	350	5·1	360	4·0	360	4·9	360	5·3	10	5·6	20	5·9	20	7·1	20	8·5
17	10	3·0	10	2·3	10	1·5	10	1·5	10	2·3	350	1·9	350	2·1	350	4·4	360	5·0	360	6·3	350	7·0	10	6·3
18	110	0·2	100	0·5	...	...	...	...	...	...	...	...	160	0·3	230	1·4	260	3·1	200	4·0	220	5·6	230	4·9
19	100	0·7	100	0·9	320	1·2	100	0·7	180	1·0	300	1·0	320	2·3	320	5·7	320	5·3	320	4·8	320	5·8	310	6·3
20	40	1·0	160	0·8	300	3·7	320	0·4	---	0·0	350	0·2	150	0·2	110	0·4	30	2·6	350	4·5	360	4·2	350	5·0
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80	0·2	130	2·0	140	2·9	130	3·7	120	4·8
22	360	3·1	360	2·3	10	3·6	10	3·2	20	1·2	360	1·3	360	1·6	330	5·2	340	7·5	350	8·1	350	7·0	340	5·4
23	250	1·5	360	0·3	10	0·2	350	0·2	350	0·6	360	0·2	---	0·0	110	0·3	160	3·9	170	6·0	190	6·7	190	7·6
24	150	3·8	150	2·4	120	0·8	150	1·0	280	1·3	10	1·9	10	1·7	50	0·2	190	1·7	240	3·1	230	5·0	220	8·2
25	220	10·6	220	11·1	220	10·5	220	8·7	220	7·0	230	10·2	230	12·6	230	14·9	230	14·2	230	14·6	230	12·6	230	13·2
26	210	5·5	210	4·6	210	5·8	210	6·5	220	6·9	220	6·5	230	7·0	220	7·7	230	8·2	230	8·5	220	9·8	230	8·8
27	270	6·9	270	6·4	270	6·7	270	5·4	220	1·4	200	3·1	270	2·6	290	3·6	300	4·5	300	6·0	310	6·1	310	4·3
28	200	2·2	170	2·2	160	1·1	180	2·1	180	2·0	170	1·5	190	3·5	190	6·0	200	7·5	210	7·2	220	7·5	210	9·1
29	180	1·1	230	2·9	220	2·8	250	2·5	230	2·8	220	3·0	220	3·3	220	3·0	280	4·0	290	4·8	280	3·9	290	4·5
30	350	0·8	190	0·8	310	3·6	240	1·2	290	1·9	10	0·9	10	1·0	180	2·8	340	3·0	300	3·7	320	2·8	330	3·5
Mean	---	3·0	---	3·0	---	3·4	---	3·3	---	3·0	---	2·9	---	3·2	---	3·9	---	5·1	---	5·9	---	6·2	---	6·3
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

MARCH, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
10	12·9	10	13·2	10	13·2	10	13·5	10	12·6	10	14·1	10	11·2	10	10·9	10	10·2	10	11·2	10	11·1	10	10·4	11·8	1
10	7·2	10	6·3	20	6·1	20	4·2	360	3·5	350	2·8	10	1·4	---	0·0	320	0·2	---	0·0	---	0·0	---	0·0	6·4	2
160	2·1	160	3·3	180	3·0	200	3·6	220	1·1	220	0·2	20	0·2	360	0·8	330	1·5	330	1·2	330	1·0	340	1·4	0·8	3
200	11·4	190	10·3	200	10·0	200	9·9	200	12·3	200	7·8	200	6·7	220	3·5	220	1·2	220	1·9	210	1·4	220	2·2	4·1	4
230	7·2	240	6·1	240	7·9	240	7·3	250	7·4	250	7·3	250	7·2	230	4·5	240	6·7	230	3·8	230	4·4	240	3·8	5·9	5
270	5·2	280	5·6	280	5·3	260	2·8	270	2·7	280	3·0	220	0·5	210	1·6	230	1·5	220	2·8	210	0·7	230	1·8	3·4	6
150	5·5	150	5·3	150	6·0	150	6·0	160	6·4	160	5·7	160	5·5	170	5·1	160	5·4	170	5·0	170	4·8	170	5·0	3·7	7
210	4·8	210	5·7	220	5·1	230	3·7	240	2·2	210	2·0	220	1·2	200	0·0	210	0·2	220	1·1	160	0·3	150	0·2	3·2	8
30	7·7	20	9·9	20	9·8	20	10·0	20	10·1	20	10·1	20	10·2	20	10·1	20	10·0	20	10·9	20	7·3	20	7·0	6·5	9
10	4·3	30	4·3	20	3·6	20	3·7	10	3·4	20	3·6	20	2·5	30	2·3	60	1·2	40	1·8	30	2·1	50	1·1	4·1	10
60	0·2	160	0·7	160	1·2	130	1·0	140	1·2	180	1·1	330	0·7	330	0·9	320	0·2	340	0·9	340	0·7	340	0·5	1·1	11
160	3·4	170	4·7	160	4·2	160	3·2	160	2·1	160	1·3	170	0·1	170	0·1	330	0·1	320	0·8	---	0·0	---	0·0	1·1	12
140	2·0	170	2·8	150	1·7	140	1·6	140	0·8	130	2·0	110	2·3	110	2·6	110	2·5	120	2·1	130	2·4	130	2·2	1·5	13
160	2·6	170	2·7	190	1·4	200	1·8	240	2·2	260	1·9	270	0·2	220	0·1	200	0·2	160	0·5	140	0·1	280	1·5	1·1	14
330	4·8	20	4·8	50	4·9	70	4·8	50	4·0	70	2·0	20	0·5	360	1·4	360	1·1	340	1·0	320	0·3	350	0·1	2·4	15
220	5·0	230	5·1	220	5·7	220	5·5	220	4·9	210	3·1	220	3·9	220	1·5	230	1·4	230	2·8	210	3·3	220	3·0	2·6	16
250	2·6	270	4·0	260	3·8	270	3·4	300	2·4	270	1·5	300	1·9	280	1·7	280	2·0	270	0·7	270	1·3	280	1·2	2·9	17
110	1·4	130	2·2	120	0·9	60	4·3	60	4·5	70	4·6	40	3·3	60	3·2	40	2·4	30	1·8	20	2·5	10	2·8	1·5	18
130	7·5	130	7·3	140	7·6	140	7·7	130	7·1	120	5·5	120	3·2	140	1·3	20	0·9	360	1·8	40	0·5	330	0·5	4·3	19
170	5·8	190	6·5	190	5·8	210	5·0	200	2·7	190	3·8	190	4·6	180	3·2	180	2·9	210	5·5	190	3·5	190	3·8	3·2	20
160	6·7	150	5·6	140	7·3	150	7·9	150	6·9	130	6·2	130	5·5	130	3·6	120	5·0	140	6·0	140	3·3	150	2·7	3·8	21
110	9·5	120	9·1	110	7·9	120	8·7	120	6·4	110	5·0	130	6·5	140	5·5	160	5·5	150	3·7	170	3·2	170	2·2	5·7	22
110	4·1	130	5·2	100	6·0	50	6·7	30	7·0	10	5·5	350	5·0	360	3·9	40	6·5	50	7·6	70	10·0	70	7·3	4·5	23
150	7·6	130	6·8	140	6·5	130	6·7	120	6·5	100	6·7	100	5·8	80	4·2	60	4·4	80	4·8	50	4·0	60	4·5	5·2	24
30	5·6	40	6·5	60	7·2	50	4·9	40	4·5	30	5·1	50	7·3	20	4·6	30	4·0	40	4·9	50	5·2	60	6·8	5·1	25
40	7·3	30	5·9	30	5·8	40	8·0	60	7·3	60	6·1	80	7·4	70	8·7	50	9·3	50	8·6	70	9·2	60	9·5	7·1	26
80	8·0	70	7·4	80	8·2	90	7·5	90	5·4	90	4·2	50	3·8	30	3·9	30	4·1	60	5·3	60	4·5	70	4·7	6·4	27
200	5·1	190	4·1	190	4·5	210	5·4	210	5·0	210	3·0	300	0·7	330	2·2	340	1·2	330	1·9	360	2·5	360	1·6	3·2	28
130	8·0	140	6·6	150	5·9	150	5·6	140	5·2	170	6·1	200	10·7	200	9·5	190	7·3	190	7·0	180	6·0	170	6·3	5·5	29
230	9·5	220	11·8	230	11·3	240	9·7	230	10·0	240	8·5	240	7·3	240	4·5	210	5·1	190	3·9	180	3·3	160	2·1	7·2	30
240	7·6	230	9·0	250	7·3	260	6·1	270	6·7	260	7·2	240	3·8	240	3·5	260	3·3	280	3·0	180	1·3	240	1·2	6·6	31
---	5·9	---	6·1	---	6·0	---	5·8	---	5·3	---	4·7	---	4·2	---	3·5	---	3·5	---	3·7	---	3·2	---	3·1	4·3	

APRIL, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
120	1·0	70	2·1	60	4·6	50	6·0	50	6·2	40	5·2	50	3·3	350	1·9	320	2·2	360	2·6	10	2·9	20	3·2	2·0	1
50	7·9	60	7·7	60	6·4	50	5·9	50	5·3	50	5·0	60	4·3	80	3·8	60	2·6	70	2·1	50	1·5	80	0·8	5·3	2
90	4·2	100	5·0	90	5·4	90	5·7	90	6·5	90	6·2	70	2·6	70	4·0	80	4·9	60	2·1	50	2·1	50	3·7	3·2	3
60	6·6	60	6·2	60	5·5	80	5·6	50	5·1	50	4·9	40	3·2	350	1·9	340	2·8	360	2·1	340	2·8	10	1·9	4·7	4
80	3·4	50	3·5	50	4·1	40	4·5	40	5·0	40	4·3	30	4·0	10	2·2	350	1·6	340	0·7	10	0·1	...	...	2·8	5
290	6·5	300	8·3	300	7·4	300	7·6	300	7·8	300	6·0	310	5·4	300	2·6	360	1·6	20	3·4	350	2·6	360	2·2	3·5	6
110	1·9	20	3·4	20	3·2	10	2·5	30	3·3	40	3·5	40	1·9	340	1·0	350	0·3	130	0·1	250	0·1	---	0·0	2·2	7
40	1·6	50	2·8	40	4·2	60	3·6	60	3·5	70	3·6	70	3·3	70	2·4	50	2·5	40	3·6	40	3·0	20	2·8	1·7	8
60	6·0	70	5·5	60	4·2	60	3·8	70	3·7	70	3·5	50	2·9	10	1·8	360	1·9	10	2·2	360	0·3	340	0·8	2·8	9
20	4·8	50	4·8	30	5·7	40	7·1	40	6·0	30	4·8	50	4·3	40	5·1	30	4·3	20	4·4	20	4·4	20	6·4	3·5	10
20	9·3	20	11·0	30	11·2	20	10·2	20	9·5	20	8·3	20	7·2	20	2·7	10	3·3	360	3·8	360	4·9	360	5·6	7·1	11
50	8·4	60	9·5	40	7·3	40	7·7	30	7·8	30	7·7	30	6·5	20	6·3	20	6·6	20	6·5	20	6·7	20	7·7	7·3	12
50	12·0	40	10·6	50	11·0	50	9·7	40	8·7	40	8·2	50	7·1	40	5·8	30	5·5	30	5·8	20	4·8	20	3·0	8·6	13
30	7·9	30	8·2	20	8·5	20	8·9	20	9·2	30	9·5	30	7·9	20	8·0	20	9·9	20	8·2	10	7·4	10	6·8	6·8	14
20	10·0	20	9·2	20	8·2	20	8·0	30	7·3	30	6·2	20	3·5	20	4·2	360	3·2	340	2·7	350	4·1	360	3·7	7·2	15
20	7·4	20	6·3	20	5·5	20	5·4	20	5·2	30	4·0	10	2·7	340	1·7	320	1·5	350	0·2	---	0·0	10	0·4	4·2	16
10	5·5	360	5·4	360	5·7	340	5·2	340	6·3	340	4·4	290	2·5	360	1·4	360	0·7	10	1·7	80	1·1	180	0·8	3·5	17
260	4·7	300	5·3	300	7·3	310	5·7	310	7·6	340	5·7	340	2·3	340	3·4	320	1·9	240	0·1	290	0·4	30	0·8	2·8	18
300	8·5	310	7·3	330	7·2	280	7·1	280	8·9	280	8·5	290	9·0	280	5·5	280	3·4	300	4·2	300	6·0	150	1·5	4·7	19
340	5·3	340	4·4	310	6·9	310	4·1	320	1·6	350	3·9	10	2·8	360	3·8	110	1·0	20	0·5	...	...	...	...	2·4	20
110	5·0	100	5·2	90	5·7	90	6·8	90	7·1	80	6·5	80	6·4	70	3·1	50	2·1	10	2·4	350	2·7	360	3·0	3·0	21
330	6·0	320	6·5	320	7·2	320	5·4	330	5·3	310	4·7	330	5·2	340	4·1	20	2·5	360	2·5	140	1·1	360	2·0	4·3	22
190	7·0	190	8·6	210	10·2	200	8·5	200	7·7	180	7·9	170	7·0	170	5·8	160	5·7	150	5·2	150	4·5	140	4·2	4·6	23
210	10·0	200	10·8	200	11·2	200	12·6	200	10·6	200	10·3	200	12·3	200	11·8	200	11·8	200	13·6	210	12·5	210	13·3	7·2	24
230	13·5	230	12·8	210	11·0	200	11·5	210	10·9	210	10·0	200	8·6	200	8·4	210	8·0	210	8·5	210	7·5	210	8·0	10·8	25
220	8·5	220	9·9	230	9·5	250	6·8	260	7·5	270	7·6	260	6·0	260	5·2	270	4·4	260	4·6	260	4·6	270	5·9	6·9	26
300	4·8	290	3·7	300	5·5	280	4·0	280	3·8	280	4·8	260	2·5	270	2·3	260	1·9	170	1·0	120	1·9	220	3·0	4·0	27
210	9·3	210	10·0	210	8·6	210	7·4	210	5·3	210	5·8	230	6·5	240	4·2	240	3·0	260	2·1	140	1·9	210	3·5	5·0	28
280	5·2	280	5·6	280	4·2	270	4·2	270	5·0	270	4·8	280	4·5	270	3·4	260	1·7	300	0·2	270	2·3	290	6·9	3·6	29
310	3·5	290	4·4	310	3·9	290	5·4	280	5·0	280	4·4	290	4·0	300	2·3	10	0·6	150	1·1	170	0·4	340	0·3	2·6	30
---	6·5	---	6·8	---	6·9	---	6·6	---	6·4	---	6·0	---	5·0	---	4·0	---	3·4	---	3·3	---	3·2	---	3·4	4·6	

12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

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H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	330	0·7	340	0·3	---	0·0	350	0·2	---	0·0	---	0·0	---	0·0	100	0·2	140	1·9	210	1·9	220	3·4	220	2·8
2	---	0·0	320	0·1	340	0·2	20	0·1	10	0·1	---	0·0	---	0·0	100	0·1	150	2·6	180	4·7	200	3·6	190	4·5
3	340	0·6	340	0·7	360	0·5	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	140	1·3	130	3·8	130	4·0	140	4·5
4	360	2·6	10	4·0	10	3·1	20	1·8	30	3·5	30	2·9	30	5·2	50	9·4	60	10·2	60	9·9	60	9·0	60	8·0
5	70	3·5	70	3·8	50	3·5	60	5·2	40	4·9	50	4·8	60	5·7	70	4·9	90	5·1	100	4·8	100	5·0	110	5·3
6	20	4·8	360	4·9	350	4·5	20	3·2	20	4·3	40	5·2	20	5·5	20	4·9	20	6·4	30	6·2	40	6·0	40	7·2
7	30	5·7	10	5·9	20	4·7	360	4·2	360	4·8	360	5·0	360	5·8	350	4·9	40	6·3	50	7·6	40	7·3	50	6·8
8	40	7·0	40	6·0	30	4·9	30	5·0	40	4·5	30	5·0	40	5·9	60	5·5	60	5·8	60	8·4	60	8·9	60	9·1
9	20	3·1	30	3·5	350	5·0	350	4·6	360	4·8	10	4·8	10	4·8	30	5·7	40	6·2	40	6·6	40	6·8	50	7·7
10	10	3·1	10	4·3	350	1·8	40	1·3	310	2·7	10	6·3	20	5·4	20	5·9	20	4·7	60	5·8	60	6·4	70	4·6
11	350	1·2	350	1·3	360	1·1	360	1·6	360	0·7	10	0·4	350	0·1	160	0·1	160	0·8	140	1·1	130	1·5	170	2·0
12	340	0·6	330	0·4	---	0·0	---	0·0	---	0·0	180	1·2	190	2·6	190	4·3	220	5·1	250	3·0	250	3·0	230	4·2
13	350	0·4	340	0·6	340	0·6	360	0·3	60	0·1	---	0·0	130	0·1	120	0·3	190	1·4	240	3·1	230	4·5	220	5·7
14	280	2·7	320	2·1	360	0·2	360	0·1	---	0·0	---	0·0	150	0·1	150	2·6	190	5·3	210	4·8	200	5·3	210	5·9
15	170	2·6	170	2·8	180	2·5	170	2·6	160	3·3	160	4·8	160	5·6	170	5·8	180	7·3	190	5·6	160	4·8	170	6·3
16	130	1·8	170	0·7	110	0·5	130	0·5	170	0·3	140	1·4	70	0·5	100	2·9	100	3·2	100	4·3	100	5·8	120	9·8
17	20	3·5	30	3·9	40	4·2	50	5·4	40	6·5	50	5·4	40	4·3	50	5·6	60	6·6	50	5·6	70	3·7	80	3·5
18	40	3·4	30	3·7	20	3·9	350	4·9	20	3·9	360	3·1	10	4·6	40	3·5	50	7·8	60	8·6	50	8·1	50	7·8
19	30	5·0	10	3·8	20	3·5	30	4·2	20	3·8	10	3·9	50	4·0	60	5·3	60	5·0	60	3·9	50	2·6	50	3·0
20	40	4·7	30	5·5	30	4·0	30	4·6	40	6·9	30	6·3	20	6·5	30	9·6	30	8·9	40	9·5	50	9·2	40	7·5
21	340	4·4	330	3·8	330	3·4	360	3·7	340	2·6	360	3·5	350	6·1	360	6·1	10	6·4	360	6·7	360	6·1	10	6·6
22	270	0·2	180	0·4	180	2·2	160	1·2	170	1·7	200	4·5	200	4·4	240	4·5	230	5·0	240	3·8	260	4·1	270	4·2
23	40	6·5	40	5·9	40	6·8	40	5·7	40	5·4	40	6·5	30	7·4	40	7·6	30	8·0	40	7·3	50	7·1	60	7·0
24	40	7·6	40	8·0	40	8·5	40	8·4	50	8·3	40	8·0	50	9·3	40	8·7	40	8·4	30	8·9	30	9·2	40	9·8
25	40	10·9	30	6·9	40	6·2	40	7·8	40	6·5	40	5·7	50	5·1	50	4·9	60	4·8	70	5·4	70	4·4	60	4·3
26	10	2·2	10	1·8	30	1·2	360	2·1	10	0·8	20	0·5	30	1·6	30	1·9	50	2·7	70	2·0	110	0·5	60	2·6
27	30	2·5	30	2·4	20	3·1	30	4·8	30	5·1	30	5·7	30	7·0	40	6·4	30	6·5	30	8·2	30	8·0	30	8·1
28	350	2·9	360	2·6	30	1·1	360	1·5	10	1·0	20	0·3	30	3·8	30	3·6	360	3·3	10	3·0	350	1·7	330	2·5
29	220	9·1	180	6·1	190	3·5	270	3·1	270	6·3	280	7·7	290	6·9	300	4·9	300	4·5	300	7·5	300	10·0	300	9·9
30	30	5·1	30	4·9	30	4·6	30	4·9	30	5·7	30	6·9	30	7·0	30	7·3	30	8·4	40	9·2	30	9·6	30	8·2
31	340	2·1	360	2·9	30	1·2	20	1·6	50	0·8	350	4·0	360	7·2	350	9·0	360	6·8	340	5·8	330	4·0	300	1·9
Mean	---	3·6	---	3·3	---	2·9	---	3·1	---	3·2	---	3·7	---	4·3	---	4·7	---	5·4	---	5·7	---	5·6	---	5·9

242 ESKDALEMUIR: H_a = 235 metres + 15 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	100	0·8	120	1·4	140	0·8	140	0·8	150	0·7	170	1·2	190	1·9	180	1·8	230	4·2	210	5·2	250	6·0	220	4·3
2	30	1·9	360	2·5	320	1·8	330	2·1	340	1·8	30	4·0	40	5·7	40	6·4	50	6·7	40	6·9	30	7·8	40	7·6
3	30	6·4	20	6·9	20	6·5	20	8·0	20	8·1	30	8·6	30	8·7	30	10·5	30	10·1	30	10·4	30	10·8	30	10·9
4	20	9·4	20	9·8	20	8·7	20	10·0	20	9·2	20	9·0	20	9·6	20	8·3	20	9·2	30	8·5	30	8·8	20	9·5
5	350	3·9	350	4·0	350	3·0	360	2·6	360	2·5	40	1·3	40	2·8	30	2·2	10	2·0	30	1·3	270	1·7	360	2·1
6	180	3·0	220	6·3	220	6·3	210	6·8	210	6·9	220	7·7	230	6·2	240	5·5	250	7·4	240	8·0	260	6·9	260	6·8
7	250	2·2	250	2·8	260	3·0	280	4·1	270	3·2	270	3·0	300	4·6	300	6·4	300	7·7	300	9·0	300	6·5	300	7·0
8	290	4·7	290	3·7	120	0·2	150	0·9	150	1·0	140	0·3	120	1·3	270	2·5	240	3·0	250	3·7	240	6·4	240	7·0
9	260	3·5	220	2·6	190	2·0	250	2·6	250	2·4	210	3·8	230	5·6	230	5·2	220	6·3	220	7·0	220	8·4	210	8·8
10	270	3·8	300	4·6	350	2·2	350	4·4	350	3·3	350	3·5	350	2·8	20	2·9	50	4·6	70	4·9	90	4·4	100	2·5
11	---	0·0	10	0·2	330	1·3	340	0·1	10	0·1	---	0·0	---	0·0	160	0·5	180	4·2	190	6·6	210	6·5	210	8·4
12	320	1·5	360	0·5	---	0·0	350	1·0	190	0·1	120	0·1	320	0·6	350	3·2	350	2·1	*(30)	1·0	(40)	2·5	(50)	2·9
13	360	1·4	10	1·0	10	2·8	10	2·5	10	3·0	360	2·7	360	2·3	30	2·5	40	3·5	60	5·0	60	5·5	60	4·5
14	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	160	0·5	180	4·2	200	8·4	200	10·8	200	11·4	200	12·5	190	10·8
15	90	0·3	---	0·0	190	0·7	200	0·5	20	0·7	350	0·3	40	0·2	80	1·0	90	1·7	210	0·9	280	0·2	350	0·8
16	210	4·1	220	2·9	210	2·7	180	2·4	190	3·6	180	6·8	180	5·9	200	9·8	200	9·9	200	9·9	200	8·3	210	8·0
17	200	10·3	190	7·8	190	6·3	190	4·9	190	7·0	190	7·2	190	6·6	180	5·0	190	5·4	180	7·6	190	7·4	190	6·6
18	330	1·9	340	0·2	340	1·0	350	1·2	360	1·1	360	2·0	30	1·4	60	2·6	120	2·5	170	3·8	170	3·2	180	3·6
19	360	2·8	10	1·8	10	2·1	360	2·8	360	3·7	10	2·5	30	3·1	50	5·6	70	5·7	80	4·8	90	3·9	120	4·5
20	40	4·5	50	3·1	30	2·8	40	4·6	50	4·6	10	5·0	30	5·2	40	4·9	20	3·8	20	3·9	20	3·5	40	4·2
21	10	1·9	360	5·1	10	5·0	360	4·4	360	3·9	10	5·1	20	5·2	50	6·6	50	4·8	70	8·0	60	10·7	60	8·6
22	10	3·4	30	1·7	50	4·6	50	7·3	40	7·7	40	9·4	50	7·8	50	3·5	30	3·4	10	3·6	30	4·8	50	6·6
23	190	2·8	200	6·4	190	5·5	200	5·6	200	6·8	200	7·5	200	6·9	200	7·0	200	6·6	200	6·5	210	6·9	210	7·8
24	230	+(0·5)	220	(1·6)	230	3·0	230	1·7	250	0·5	210	(2·2)	200	(3·0)	210	2·5	210	2·7	210	3·2	220	4·1	220	3·0
25	190	0·3	---	0·0	30	0·1	---	0·0	320	1·4	---	0·0	---	0·0	---	0·0	60	1·9	10	0·2	200	0·3	150	0·5
26	10	0·3	20	0·2	20	0·2	20	0·4	20	0·3	10	1·0	100	0·2	130	0·1	60	1·4	120	2·3	200	1·4	150	0·7
27	---	0·0	340	0·2	10	0·1	---	0·0	360	0·5	20	0·2	30	1·7	60	1·1	70	3·5	80	2·2	80	1·3	70	1·5
28	360	1·5	360	1·0	10	0·7	360	0·3	360	0·2	---	0·0	---	0·0	130	0·1	120	0·9	190	0·5	160	0·8	170	2·7
29	10	1·9	20	1·0	10	2·6	30	1·7	60	3·5	50	3·1	60	5·1	90	5·8	70	5·6	40	4·0	60	5·5	90	3·4
30	360	3·3	360	3·3	360	3·7	360	3·0	10	2·0	20	1·7	10	0·5	170	0·6	220	3·8	230	3·7	220	4·2	210	5·1
Mean	---	2·7	---	2·7	---	2·7	---	2·9	---	3·0	---	3·3	---	3·6	---	4·1	---	4·8	---	5·1	---	5·4	---	5·4
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

* Direction record defective + Velocity rod sticking, interpolated

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

MAY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
210	3·1	200	4·4	210	3·9	210	3·5	230	3·0	240	2·8	230	2·5	230	4·1	80	0·7	350	0·7	330	1·4	330	0·6	1·8	1
210	4·5	200	5·0	210	6·0	220	5·8	230	5·3	240	3·9	250	1·4	320	2·2	340	0·2	350	0·4	360	0·7	320	0·6	2·2	2
120	4·2	130	4·3	140	4·4	130	5·5	120	6·8	140	6·3	140	5·6	90	4·4	60	2·8	20	1·8	20	2·7	60	3·1	2·8	3
70	7·5	100	7·1	70	7·8	70	7·6	90	6·3	80	6·8	90	6·3	80	4·8	80	3·7	60	4·0	70	3·3	50	3·1	5·7	4
110	5·4	90	7·0	90	6·3	70	6·2	70	6·4	50	4·9	60	4·9	40	4·6	30	6·0	20	5·0	30	4·1	20	5·0	5·1	5
20	7·1	30	6·4	30	7·3	40	4·9	20	4·9	30	5·2	30	4·3	20	5·3	30	6·9	20	5·6	20	6·3	30	4·9	5·5	6
50	7·1	40	7·6	40	8·8	50	9·0	50	7·2	40	6·6	30	8·2	40	9·2	30	8·8	30	5·7	50	5·5	40	3·5	6·5	7
70	8·7	60	9·7	70	10·0	60	8·3	40	7·5	50	7·9	50	7·2	30	5·5	40	4·1	30	3·7	30	5·6	30	2·5	6·5	8
60	8·5	60	7·4	40	6·9	30	7·3	30	6·5	30	6·0	30	6·4	20	5·1	20	4·2	20	4·6	30	3·4	30	3·1	5·5	9
70	4·1	60	3·8	60	3·2	70	2·5	70	3·2	60	4·4	50	4·7	10	2·4	350	3·0	360	2·2	350	2·8	360	2·4	3·8	10
180	2·7	180	4·3	180	3·8	220	4·8	220	5·2	210	3·8	170	3·0	150	1·2	320	1·0	320	1·4	340	1·1	350	0·9	1·9	11
210	5·9	230	6·2	260	2·9	220	4·1	230	4·3	240	2·4	240	2·0	220	1·6	300	2·6	320	1·4	20	0·6	300	0·2	2·4	12
210	7·3	210	8·8	210	9·0	220	8·7	200	9·0	210	9·9	200	8·5	210	8·1	200	5·7	200	7·2	200	7·1	240	4·9	4·6	13
200	6·1	200	7·2	210	7·6	200	7·8	200	8·3	220	7·2	210	4·6	200	5·3	190	4·7	180	3·2	180	4·3	180	3·1	4·1	14
180	6·2	200	5·4	200	5·8	200	5·0	210	4·6	210	3·5	250	1·1	130	0·5	30	0·6	360	2·0	40	2·6	10	1·3	3·9	15
110	10·0	100	11·5	90	10·0	90	10·3	100	11·6	110	10·8	110	12·2	110	8·0	130	4·6	90	5·0	70	6·3	30	3·0	5·6	16
60	2·1	70	0·1	180	0·1	110	0·1	140	1·0	180	2·6	180	2·5	180	0·4	290	0·2	10	0·6	360	2·2	30	2·4	3·0	17
60	7·0	90	6·8	100	6·5	100	5·8	100	6·4	90	6·0	75	5·4	40	4·1	30	4·3	30	4·8	30	4·9	40	5·6	5·4	18
60	2·4	70	2·5	70	2·9	50	2·4	50	2·7	50	4·0	50	2·4	350	1·0	20	2·0	340	1·2	10	1·4	10	2·8	3·2	19
40	7·0	30	7·1	50	7·4	50	6·6	50	7·3	50	6·8	50	6·4	50	3·8	20	2·0	350	3·1	350	3·6	340	4·8	6·2	20
10	6·4	20	6·4	20	5·8	20	6·0	30	5·4	60	5·1	60	5·4	40	1·6	360	2·1	350	2·4	10	2·1	340	1·2	4·5	21
250	4·7	270	5·0	290	4·8	270	2·3	20	1·6	30	3·1	360	1·7	360	2·0	20	2·5	30	5·6	50	5·1	40	4·5	3·3	22
50	5·7	50	7·0	50	7·4	40	8·3	50	8·7	30	7·7	30	7·9	40	8·2	30	7·7	30	9·0	40	9·1	50	8·5	7·3	23
40	7·8	50	8·8	40	9·7	50	10·3	40	10·6	40	11·6	40	11·9	30	11·4	30	11·7	30	10·7	30	9·9	40	10·4	9·5	24
80	4·6	70	4·4	70	4·5	70	4·0	60	4·1	40	4·9	50	4·6	20	3·9	40	2·7	20	3·4	30	2·3	60	1·7	4·9	25
70	3·5	50	5·0	40	4·5	50	4·8	60	4·2	60	4·5	50	4·3	40	3·0	20	1·5	20	0·9	20	3·1	20	2·9	2·6	26
40	8·0	40	7·4	40	8·3	40	8·7	40	7·9	40	8·0	50	7·6	40	6·0	40	5·3	40	3·0	20	3·7	10	1·9	6·0	27
320	1·9	290	3·6	300	5·1	290	5·8	290	6·3	280	4·7	280	5·4	280	6·5	280	6·7	190	3·1	260	4·7	270	6·2	3·6	28
290	5·6	290	7·9	300	9·5	300	6·6	280	3·9	290	4·8	340	2·1	200	1·3	10	3·1	30	2·5	20	3·4	30	5·6	5·7	29
30	8·4	20	6·5	30	7·5	30	7·4	30	5·9	40	5·4	30	3·8	340	2·6	360	2·6	10	3·7	360	2·8	360	3·1	5·9	30
320	4·5	10	2·0	230	5·7	230	4·7	250	4·0	360	4·0	310	3·1	30	0·8	10	2·3	220	0·5	360	0·5	260	0·4	3·3	31
---	5·7	---	6·0	---	6·2	---	6·0	---	5·8	---	5·7	---	5·1	---	4·2	---	3·7	---	3·5	---	3·8	---	3·4	4·6	

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•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	•	m/s	m/s	
220	5·7	220	6·6	210	5·1	210	4·0	200	5·4	200	4·2	210	3·5	70	2·7	60	3·3	350	1·9	20	1·5	40	2·3	3·1	1
30	7·2	40	6·8	40	5·4	70	5·5	70	4·5	60	3·9	60	6·0	40	6·1	40	6·0	40	6·1	40	6·1	30	7·0	5·2	2
30	11·2	30	11·3	30	10·9	30	10·7	30	10·3	30	10·5	20	11·4	20	11·5	20	10·2	20	9·2	20	10·0	20	10·4	9·7	3
30	9·7	30	9·5	30	8·6	30	8·5	40	8·0	40	7·5	30	6·6	40	5·0	20	2·8	360	3·2	360	3·3	350	3·8	7·8	4
290	3·2	270	3·3	260	4·1	260	3·7	290	7·8	290	6·8	270	3·2	260	3·8	250	3·0	230	3·6	210	4·8	210	6·2	3·5	5
260	7·8	260	7·2	250	7·6	280	8·4	270	5·0	270	5·4	260	5·2	270	6·4	270	5·0	270	5·4	270	4·0	250	2·5	6·2	6
300	5·7	290	6·2	300	6·7	290	6·1	280	5·8	270	5·4	280	5·6	290	4·9	290	3·2	300	2·0	300	3·7	300	5·2	5·0	7
230	8·2	220	7·4	220	6·9	240	4·9	230	5·4	270	5·0	270	5·7	270	4·6	270	2·6	200	2·7	260	2·4	260	2·0	3·9	8
220	8·1	220	7·8	220	9·8	220	9·5	220	7·4	200	7·4	210	6·5	210	5·9	200	4·3	220	3·1	230	4·0	230	3·0	5·6	9
80	1·6	120	1·0	110	1·6	150	1·5	190	3·0	160	4·4	130	4·8	140	1·3	110	0·2	330	0·5	350	0·8	10	0·5	2·7	10
210	9·4	220	11·5	220	11·3	210	10·1	200	7·3	200	5·8	220	5·2	210	3·5	230	2·8	230	3·3	240	2·7	240	1·4	4·3	11
*(50)	4·8	(50)	7·3	50	5·7	60	5·5	60	5·0	70	4·5	70	3·7	70	2·1	30	1·0	350	2·1	360	2·2	340	1·0	2·5	12
60	2·8	70	3·2	60	2·4	70	2·8	70	2·3	90	2·0	130	1·2	320	0·5	330	0·2	330	0·1	330	0·1	350	0·2	2·3	13
190	10·4	200	10·8	200	11·0	200	10·0	210	8·1	210	5·6	290	2·5	210	1·3	250	2·1	30	0·1	300	0·3	10	0·5	5·1	14
280	3·0	260	3·3	260	4·8	260	6·4	270	5·5	270	6·5	270	7·0	270	5·2	240	3·6	230	3·2	220	3·0	220	4·4	2·6	15
200	7·7	210	9·8	210	10·0	210	10·3	200	11·8	210	11·9	210	12·1	200	9·8	200	11·0	200	10·3	200	10·1	200	10·4	8·3	16
200	6·8	210	6·6	200	6·5	210	6·7	210	8·2	220	7·1	210	5·8	210	3·3	290	1·0	330	1·2	350	0·2	340	0·9	5·7	17
160	2·5	160	3·0	80	2·1	90	1·9	70	6·3	100	4·8	100	3·7	70	2·2	10	1·8	10	3·3	10	3·1	360	3·6	2·6	18
120	5·0	100	4·8	90	4·8	100	5·5	100	6·2	90	6·0	90	5·2	40	4·2	30	3·4	20	3·1	20	3·7	30	4·8	4·2	19
60	7·3	50	6·7	50	6·0	60	6·9	60	6·6	40	3·8	40	4·8	20	4·1	20	4·6	20	4·8	30	4·8	10	4·0	4·8	20
60	7·2	50	7·0	90	7·2	110	7·9	90	8·3	60	9·6	60	6·6	30	3·3	10	2·1	40	6·5	30	5·2	20	5·6	6·1	21
60	6·0	60	4·8	50	5·5	30	5·3	50	5·7	50	6·3	30	6·7	40	5·2	30	3·6	50	0·6	40	1·2	100	1·2	4·8	22
210	7·9	210	8·5	210	6·7	210	7·2	220	5·5	220	4·6	210	3·3	190	2·8	220	1·8	190	0·4	190	1·5	210	+(1·2)	5·3	23
230	4·0	230	4·0	220	5·1	220	5·7	230	5·3	240	5·5	230	4·9	210	3·3	180	1·9	170	2·1	160	1·5	160	1·5	3·0	24
90	2·8	60	3·1	20	1·1	70	0·1	220	1·0	10	1·0	350	1·4	20	2·7	20	1·7	10	1·6	360	1·8	20	0·6	1·0	25
170	0·2	80	0·3	170	0·1	---	0·0	150	0·3	60	2·2	60	3·9	60	4·3	350	1·0	350	2·7	340	0·5	40	0·3	1·0	26
70	1·6	80	2·1	110	2·6	130	3·0	140	1·3	170	2·9	360	1·4	10	1·7	360	2·0	10	1·6	10	1·4	10	1·3	1·5	27
190	3·6	180	2·0	180	1·9	170	2·2	130	2·0	130	3·0	150	2·2	70	0·1	20	0·5	10	2·1	10	2·6	10	0·7	1·3	28
90	3·2	120	2·4	100	3·1	100	3·9	100	3·7	170	3·3	80	1·9	30	1·4	30	1·8	40	2·1	20	2·6	20	3·3	3·2	29
210	6·2	210	7·3	200	6·5	210	7·4	200	7·1	210	7·3	200	6·7	230	4·8	200	2·1	290	0·2	330	1·0	340	0·8	3·8	30
---	5·7	---	5·9	---	5·7	---	5·7	---	5·7	---	5·5	---	5·0	---	3·9	---	3·0	---	3·0	---	3·0	---	3·0	4·2	

12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	Mean	Day

* Direction record defective + Velocity rod sticking, interpolated

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

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H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	340	1·2	350	1·4	360	1·9	10	1·0	10	1·4	350	1·5	360	1·1	190	0·1	120	0·2	160	0·9	160	3·6	140	3·0
2	---	0·0	10	0·1	20	0·4	30	0·8	20	0·7	---	0·0	---	0·0	---	0·0	160	2·5	160	3·2	160	2·5	160	2·6
3	20	1·8	350	0·8	360	0·6	360	1·0	10	1·5	20	0·9	10	1·8	80	0·1	180	0·8	210	2·1	210	3·2	220	4·6
4	230	1·1	240	1·6	260	2·9	260	2·3	220	3·2	220	4·8	220	4·8	220	4·9	230	5·4	230	7·1	230	7·6	230	9·5
5	220	5·3	240	3·7	230	5·4	230	5·8	220	5·0	220	6·1	230	3·4	220	4·1	220	4·9	210	8·1	220	8·8	210	9·2
6	210	3·1	220	4·4	220	3·1	190	1·2	180	2·3	180	2·6	170	1·1	190	4·0	190	4·0	210	4·2	210	5·6	210	6·2
7	10	0·2	360	0·2	---	0·0	---	0·0	---	0·0	150	0·4	170	1·2	240	3·0	220	4·2	230	4·9	220	4·2	190	3·4
8	---	0·0	320	0·1	310	0·1	---	0·0	290	0·1	230	1·3	220	4·3	290	5·5	270	3·8	280	4·5	270	5·1	280	5·6
9	110	0·7	170	0·6	160	0·5	90	0·5	120	0·6	---	0·0	---	0·0	110	0·2	190	1·4	210	2·6	230	3·2	240	1·9
10	340	0·5	---	0·0	---	0·0	10	1·4	350	2·4	360	2·9	20	3·6	30	5·1	360	5·0	360	4·9	20	5·7	30	5·9
11	310	7·2	310	4·0	50	1·6	120	0·7	270	2·5	310	2·5	310	5·0	300	4·4	300	3·6	330	3·3	290	4·2	310	5·0
12	280	4·6	250	2·9	240	2·5	250	2·8	240	3·2	220	2·6	220	3·7	340	3·6	240	4·5	210	4·2	220	7·4	210	6·8
13	20	0·2	30	0·8	---	0·0	20	0·2	10	0·1	---	0·0	---	0·0	170	1·3	220	4·2	220	6·2	210	5·9	210	5·3
14	230	4·8	240	5·3	240	5·9	240	6·0	240	6·7	240	7·4	240	7·4	240	5·7	240	7·7	240	8·0	230	8·3	230	8·5
15	220	3·3	220	1·4	240	0·7	10	0·8	---	0·0	130	0·1	---	0·0	330	1·0	320	1·4	310	3·2	310	3·8	300	5·5
16	260	5·1	290	6·1	290	6·8	290	6·3	290	5·6	290	3·3	290	3·8	290	5·0	280	7·2	260	6·0	260	4·4	270	4·1
17	220	0·7	---	0·0	---	0·0	340	1·0	340	1·0	---	0·0	360	0·3	20	0·5	60	2·3	50	2·8	90	5·3	100	3·9
18	40	4·1	70	3·6	60	3·6	70	2·5	70	0·6	120	0·6	140	1·7	150	5·0	150	4·3	150	5·6	140	5·4	150	5·0
19	170	0·1	210	0·6	160	0·5	180	1·0	170	0·2	190	2·3	210	3·4	220	3·5	270	3·1	250	3·5	240	5·7	230	6·4
20	220	3·1	260	1·3	310	0·8	340	0·7	360	1·3	170	1·2	100	1·0	10	2·3	360	3·3	360	3·4	360	3·7	360	3·2
21	230	1·6	230	1·6	240	1·6	90	1·3	290	2·4	280	4·9	290	6·4	290	6·4	290	7·5	290	4·8	290	2·1	290	2·9
22	330	1·2	150	0·1	350	0·4	340	0·4	---	0·0	40	0·6	50	3·2	50	3·1	60	3·8	80	3·0	120	3·0	30	2·2
23	130	0·8	20	1·6	30	1·1	40	2·3	60	2·1	90	3·9	100	6·7	110	6·6	110	8·1	120	11·5	120	11·7	120	11·4
24	180	13·2	180	14·2	180	13·0	180	14·9	180	16·5	190	13·7	200	13·3	200	13·2	200	14·5	200	15·5	200	15·3	200	14·2
25	210	12·3	210	12·1	210	11·3	210	11·5	210	11·8	210	12·1	210	11·9	210	12·2	210	12·9	210	12·9	210	13·4	210	12·5
26	230	4·9	240	5·3	230	4·5	200	3·6	230	5·1	240	5·3	240	4·4	240	4·2	240	5·8	240	7·4	250	6·4	260	6·7
27	300	0·4	300	0·7	150	1·0	150	1·2	230	0·3	260	0·4	140	1·0	190	1·3	220	1·4	220	3·7	210	4·3	210	4·5
28	10	2·6	360	3·2	10	1·7	10	2·6	20	3·8	20	2·7	20	1·7	10	3·5	10	4·2	20	3·8	30	2·7	30	4·5
29	10	0·6	10	0·5	10	1·1	10	1·3	10	2·5	70	1·2	40	2·6	30	4·4	30	5·0	20	5·0	30	4·6	20	3·5
30	50	0·1	---	0·0	100	0·1	330	4·0	300	3·9	300	8·4	310	8·6	300	7·1	290	6·4	260	4·7	270	4·8	260	6·0
31	220	10·1	220	9·4	220	11·1	220	11·2	220	9·6	220	8·2	240	7·1	250	6·4	260	5·4	260	4·6	290	6·3	300	7·7
Mean	---	3·1	---	2·8	---	2·7	---	2·9	---	3·1	---	3·3	---	3·7	---	4·1	---	4·8	---	5·3	---	5·7	---	5·9

244 ESKDALEMUIR: H_a = 235 metres + 15 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	250	2·6	230	1·3	300	3·3	150	2·1	240	1·4	200	2·7	230	2·4	230	2·2	240	4·2	220	4·3	230	5·1	260	4·8
2	200	4·9	200	6·0	200	6·8	200	6·5	200	6·0	200	8·4	180	10·2	180	8·7	180	6·8	220	8·3	230	8·3	230	9·8
3	280	5·5	280	5·4	270	5·7	280	6·4	290	7·0	280	7·1	280	7·5	290	6·1	290	6·6	280	7·0	280	7·5	280	8·3
4	310	6·8	300	7·8	300	5·4	290	3·7	300	7·0	290	7·8	300	5·8	290	4·2	290	6·6	290	6·8	280	6·8	270	6·7
5	310	4·9	300	3·2	310	5·8	310	4·4	320	3·1	310	1·7	290	2·1	290	2·1	280	3·1	280	3·6	290	3·7	280	2·2
6	10	0·5	360	0·5	360	1·8	350	1·8	20	0·4	60	3·7	50	3·8	50	5·2	50	5·5	50	6·1	40	5·7	40	6·6
7	360	1·9	10	1·8	20	1·8	---	0·0	350	1·0	10	0·3	---	0·0	140	0·6	160	1·8	210	2·6	170	2·8	200	3·4
8	160	0·2	270	0·2	110	0·1	340	0·6	90	0·1	100	0·5	190	2·4	180	2·2	210	6·0	200	6·8	210	6·6	200	9·1
9	210	5·1	180	4·9	190	5·6	200	6·0	170	3·6	190	3·9	210	6·5	210	6·9	270	1·0	280	3·2	300	2·8	280	2·7
10	---	0·0	310	0·1	---	0·0	---	0·0	360	0·2	---	0·0	---	0·0	---	0·0	180	2·3	190	3·7	210	3·8	210	3·1
11	360	1·5	360	1·4	350	1·4	360	0·9	350	2·0	360	1·2	10	0·6	150	0·2	140	2·0	170	2·0	190	3·5	220	4·1
12	210	4·8	200	4·3	190	4·1	180	3·9	170	3·0	170	2·2	170	0·5	310	2·2	330	2·4	290	4·1	300	5·1	290	5·9
13	160	1·1	360	0·2	200	0·2	100	1·4	260	0·9	260	1·8	210	2·0	230	2·9	230	3·7	230	3·4	220	4·0	220	4·2
14	190	7·5	180	5·4	180	4·9	180	4·7	190	5·6	180	5·0	180	4·7	180	6·1	180	6·3	180	6·4	200	7·6	200	7·4
15	210	4·8	210	4·5	200	3·7	210	3·9	200	3·5	200	3·6	190	3·2	200	4·6	200	5·2	210	6·3	210	6·0	220	6·4
16	210	3·2	220	3·4	210	3·6	220	3·5	230	3·2	230	3·3	230	3·0	220	3·4	220	4·1	230	4·7	230	4·3	230	5·5
17	210	5·0	200	5·6	200	4·2	190	3·8	190	4·5	200	7·3	190	6·9	200	8·6	200	8·1	200	8·9	200	8·6	210	9·2
18	210	0·2	140	0·6	150	0·2	340	0·1	200	0·1	140	0·1	190	0·2	220	4·2	230	5·8	230	8·3	230	8·7	230	8·6
19	220	2·7	200	2·5	190	0·3	170	1·2	190	2·8	180	1·8	160	1·8	160	3·2	170	3·3	170	4·5	160	4·7	160	5·2
20	---	0·0	320	0·8	340	1·0	---	0·0	---	0·0	---	0·0	---	0·0	160	0·2	220	2·2	220	2·2	230	3·8	190	4·1
21	270	3·8	280	3·6	270	4·2	280	4·3	270	2·5	260	1·8	230	1·3	250	3·1	250	5·0	250	5·0	250	4·9	250	5·2
22	300	4·0	170	0·9	300	0·2	290	2·8	290	2·7	290	3·1	290	2·3	290	3·8	300	6·5	300	5·5	300	6·7	300	5·8
23	240	6·4	240	5·9	230	5·3	210	3·8	210	6·5	190	3·2	190	4·5	190	4·5	220	7·2	220	8·0	210	8·8	200	7·8
24	210	7·0	230	7·0	230	6·2	230	6·0	240	4·2	220	3·8	230	6·2	250	6·5	270	4·8	270	7·3	270	7·4	270	7·7
25	240	4·6	250	4·5	260	5·0	260	2·8	260	2·3	260	3·3	270	2·0	260	3·0	240	1·8	280	2·7	280	2·5	290	2·6
26	40	0·8	30	0·7	350	1·8	350	0·3	360	0·7	360	0·2	---	0·0	150	0·2	160	1·0	140	1·3	190	2·3	220	2·8
27	---	0·0	---	0·0	---	0·0	100	0·1	140	0·1	20	0·1	---	0·0	---	0·0	160	1·4	220	2·4	220	1·9	220	1·8
28	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	160	0·8	220	3·5	220	3·5	220	4·2
29	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	150	0·1	180	1·8	210	6·0	220	6·1
30	230	2·6	230	3·1	250	4·3	240	6·0	250	8·0	250	6·6	240	5·5	250	6·2	270	6·1	270	7·4	270	9·1	270	8·5
31	330	5·2	280	2·0	150	1·9	300	1·4	280	2·9	260	2·2	270	3·6	290	4·0	280	1·3	250	2·5	280	3·1	300	5·2
Mean	---	3·1	---	2·8	---	2·9	---	2·7	---	2·7	---	2·8	---	2·9	---	3·4	---	4·0	---	4·9	---	5·3	---	5·6
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 -10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

JULY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
140	2·7	120	2·3	100	1·8	60	2·4	60	2·3	160	2·9	170	1·5	340	1·1	360	0·7	10	1·6	340	0·6	350	0·2	1·6	1
200	2·2	140	4·3	110	5·0	120	3·9	110	2·3	100	3·0	90	2·4	80	3·3	60	2·1	40	1·6	30	1·4	20	2·4	1·9	2
220	8·8	230	6·5	230	3·4	220	4·0	230	5·6	230	5·6	210	4·8	190	2·5	190	3·4	170	2·5	170	1·9	200	0·5	2·9	3
210	8·6	200	9·7	210	9·5	200	7·3	210	6·2	210	5·2	210	5·8	210	7·3	200	4·8	200	3·6	210	3·9	210	4·8	5·5	4
220	9·4	240	8·6	220	7·9	220	7·1	220	6·6	210	6·4	220	6·8	200	5·5	210	5·0	190	3·1	200	2·7	200	3·6	5·9	5
200	5·3	230	4·2	210	3·3	210	2·8	210	1·9	200	1·4	220	1·9	250	1·3	270	0·3	180	0·2	---	0·0	---	0·0	2·7	6
200	4·4	200	6·8	200	5·9	210	3·9	200	4·2	200	2·9	220	3·3	270	2·3	250	1·9	200	0·5	220	0·5	140	0·3	2·4	7
270	5·9	270	7·0	280	6·9	280	7·3	280	7·0	280	6·0	270	4·5	270	3·0	260	2·6	270	2·2	280	1·4	250	1·8	3·6	8
250	1·2	210	2·1	220	6·3	270	5·6	300	2·7	270	1·9	230	1·6	320	1·6	330	1·2	350	0·9	---	0·0	340	0·8	1·6	9
30	6·2	10	5·0	10	4·9	360	4·3	350	3·2	350	3·0	340	2·0	340	2·5	330	1·8	330	0·8	300	3·5	300	6·1	3·4	10
300	5·8	300	5·3	310	5·0	20	2·2	20	1·4	190	0·3	290	2·7	290	3·2	290	3·0	290	4·3	290	5·4	290	6·5	3·7	11
220	8·2	210	6·8	290	6·7	210	5·3	190	5·1	210	3·6	230	2·8	180	0·8	40	0·3	330	0·3	330	0·3	350	0·4	3·7	12
200	5·0	200	4·3	260	3·4	290	6·1	290	7·4	290	5·1	260	3·3	240	4·6	240	5·0	250	4·4	260	4·5	250	4·7	3·4	13
220	8·4	210	9·1	210	9·5	220	9·7	220	7·9	200	7·9	200	6·4	210	5·2	200	3·8	210	3·9	210	3·6	220	3·7	6·7	14
300	6·2	300	5·8	300	7·3	290	6·8	280	5·7	270	5·7	270	5·0	270	5·2	250	3·8	230	4·8	230	5·8	240	5·6	3·7	15
270	4·6	250	7·6	240	8·0	250	7·5	250	6·9	260	6·2	270	5·0	260	2·3	240	3·1	270	2·4	100	0·2	30	0·4	4·9	16
80	5·3	80	4·9	80	3·6	90	3·4	70	3·0	70	2·7	70	4·1	80	4·7	40	2·6	60	6·1	50	6·7	50	6·9	3·0	17
160	3·7	160	4·7	150	5·4	150	5·7	150	4·2	160	3·3	180	2·8	200	2·6	200	3·2	180	1·8	170	1·0	180	0·4	3·4	18
230	7·0	220	6·6	230	6·4	240	5·9	250	5·0	240	5·6	250	4·9	240	5·0	230	5·0	240	6·3	240	6·2	230	3·5	4·1	19
310	2·4	290	3·9	320	4·3	30	0·6	360	1·8	290	2·7	290	3·8	300	4·4	310	3·3	300	4·1	300	2·6	300	1·8	2·5	20
300	4·4	300	3·4	300	3·5	290	4·3	300	5·1	300	5·2	290	5·0	290	4·4	320	2·1	360	1·0	110	1·6	230	0·7	3·5	21
20	2·3	60	2·6	10	1·3	330	0·6	50	1·4	70	2·8	50	1·4	50	1·6	20	0·7	30	1·3	40	0·8	60	0·4	1·6	22
120	10·8	120	10·0	130	7·6	140	6·3	150	5·7	190	8·8	200	11·3	180	12·1	180	12·5	180	13·4	190	13·1	180	11·8	8·0	23
210	15·0	200	16·3	200	16·0	210	13·5	200	12·9	210	12·2	210	13·7	210	13·4	210	12·7	200	12·3	210	12·2	210	12·8	14·0	24
210	12·7	220	12·2	220	11·7	210	10·6	200	10·3	210	9·1	210	7·0	220	6·7	230	5·5	220	5·0	220	5·0	230	5·4	10·3	25
260	6·6	260	5·3	240	5·3	220	7·6	220	7·4	220	4·2	230	3·6	260	1·9	270	1·8	280	2·7	300	1·7	250	0·8	4·7	26
210	2·7	200	3·3	210	5·9	220	4·3	200	1·7	100	0·6	130	1·2	140	1·1	40	0·6	360	1·1	350	1·9	10	3·3	2·0	27
20	5·6	30	5·1	40	4·5	60	2·8	50	4·9	30	3·8	20	3·4	350	2·9	360	2·4	50	0·6	40	0·5	10	1·3	3·1	28
30	3·6	20	1·8	70	2·1	340	2·4	160	1·0	280	1·5	280	3·3	320	5·8	340	2·5	340	2·6	290	0·5	330	0·5	2·5	29
250	7·3	240	7·2	230	7·5	220	7·6	220	8·1	230	7·8	220	8·2	220	8·9	230	9·2	230	10·1	230	10·0	230	9·6	6·5	30
300•	8·5	290	8·8	290	11·3	280	9·0	270	2·8	280	3·0	270	4·5	260	4·5	240	1·9	220	3·9	220	2·0	210	3·5	6·7	31
---	6·1	---	6·2	---	6·2	---	5·5	---	4·9	---	4·5	---	4·5	---	4·3	---	3·5	---	3·5	---	3·3	---	3·4	4·3	

AUGUST, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
300	5·3	290	4·3	290	4·2	280	4·7	270	4·8	280	4·7	270	3·3	260	2·0	240	4·9	220	3·2	220	4·9	210	3·8	3·6	1
240	8·6	250	8·2	270	6·4	270	6·1	270	6·6	280	7·7	270	5·3	280	7·2	270	8·2	270	6·2	270	5·2	290	6·0	7·2	2
280	9·1	280	9·8	290	10·2	280	9·6	280	8·5	290	10·8	290	9·7	290	8·4	300	4·2	310	4·7	310	4·4	320	5·7	7·3	3
270	6·9	290	8·3	290	10·3	290	8·8	290	7·8	290	6·4	290	7·0	290	5·7	280	5·6	290	5·0	300	6·7	290	6·2	6·7	4
270	1·8	240	3·7	240	4·4	240	3·0	210	6·0	230	5·5	220	4·7	160	2·0	160	1·6	190	1·0	320	1·7	240	0·1	3·1	5
40	7·1	30	7·7	40	7·6	40	7·3	40	8·0	40	8·3	30	6·9	30	6·0	10	4·4	20	4·5	10	2·8	330	1·4	4·7	6
220	3·7	220	4·9	220	4·6	210	4·0	220	4·5	210	4·1	200	1·7	190	2·6	160	1·4	240	0·2	290	0·4	---	0·0	2·1	7
210	9·7	200	9·9	200	8·4	210	6·2	200	6·1	190	4·8	190	4·5	190	3·2	170	1·8	210	3·8	230	3·2	210	4·4	4·2	8
290	3·3	270	2·8	270	3·4	280	3·3	280	2·9	300	2·7	300	2·9	300	1·7	300	1·8	310	2·0	330	1·1	340	0·5	3·4	9
210	2·0	210	3·0	200	2·6	240	1·3	270	0·5	230	2·0	260	1·2	320	2·4	350	1·4	10	1·4	360	2·3	360	1·5	1·5	10
210	4·8	230	5·2	220	5·3	220	5·6	220	6·1	210	6·0	200	3·1	200	4·8	180	2·9	190	3·3	190	3·2	190	4·0	3·1	11
300	4·2	310	3·6	310	4·1	330	1·5	300	5·2	300	5·6	300	5·5	300	5·0	300	4·7	220	1·6	350	2·0	310	0·6	3·6	12
220	5·2	200	5·8	210	5·2	200	5·6	210	5·1	200	5·6	210	3·6	180	1·8	170	1·5	170	1·3	190	4·6	200	6·8	3·3	13
200	8·5	200	8·7	200	7·7	200	8·1	200	7·3	210	6·6	200	6·5	200	5·9	210	5·3	210	4·4	200	4·0	200	5·1	6·2	14
210	6·1	200	6·3	210	6·6	210	5·2	210	5·0	210	5·2	200	4·8	200	3·3	210	4·0	220	2·7	210	1·6	200	3·5	4·6	15
220	5·7	220	5·7	210	6·3	210	7·0	210	7·1	210	5·9	210	4·9	210	5·0	200	4·0	210	5·3	220	5·7	220	5·8	4·7	16
210	11·4	200	9·9	210	8·8	210	10·2	210	9·8	220	7·7	280	5·5	270	3·6	270	3·0	280	2·8	270	1·0	160	0·5	6·5	17
230	10·3	230	9·4	230	8·0	220	9·8	210	10·2	220	8·5	210	6·4	210	4·8	210	4·8	220	4·8	220	3·8	240	4·9	5·1	18
150	5·1	140	4·2	130	3·7	120	2·1	110	0·7	80	0·2	30	1·0	30	1·1	360	1·8	20	0·5	40	0·1	20	0·1	2·3	19
210	4·1	200	5·0	210	6·0	220	8·0	220	8·2	220	6·8	220	5·7	220	4·9	210	4·6	210	4·9	230	5·4	230	5·0	3·5	20
250	5·5	250	6·1	270	5·7	260	5·2	280	5·0	290	4·3	280	1·9	280	2·4	200	0·5	220	1·2	290	3·4	300	6·5	3·9	21
300	5·5	300	4·9	300	4·5	270	4·8	280	4·0	270	2·0	270	3·2	240	2·0	270	1·0	240	2·1	190	1·6	200	3·1	3·5	22
200	6·0	220	8·3	220	9·0	220	10·2	230	11·3	230	11·8	220	9·7	210	6·9	200	7·8	190	7·0	190	6·3	190	5·8	7·2	23
270	10·3	270	11·4	270	10·0	270	8·5	270	6·2	270	3·7	270	3·2	270	3·3	260	4·5	270	4·3	260	3·4	250	3·3	6·1	24
300	4·2	310	3·6	290	3·4	280	2·7	290	1·5	10	2·7	40	1·9	360	2·5	20	1·8	10	1·6	10	1·7	30	1·4	2·8	25
220	1·6	170	1·3	190	1·6	240	1·2	230	0·9	240	0·9	300	0·6	320	1·5	340	0·7	---	0·0	350	0·1	---	0·0	0·9	26
180	2·4	180	1·5	160	1·8	200	1·6	200	2·2	230	1·8	260	2·6	330	1·8	320	0·1	---	0·0	---	0·0	---	0·0	1·0	27
230	4·9	230	4·6	230	4·5	220	4·8	220	4·7	200	2·6	200	2·2	240	1·8	30	0·1	---	0·0	---	0·0	---	0·0	1·7	28
220	6·5	220	7·7	220	7·3	220	7·1	220	6·8	220	6·8	200	5·2	190	1·8	150	1·7	240	6·6	230	6·7	240	3·7	3·4	29
270	8·4	270	10·2	270	9·5	270	5·8	280	5·4	270	6·5	270	3·0	310	3·3	320	5·6	300	11·4	290	12·8	290	12·2	7·0	30
270	5·0	270	3·7	270	3·8	270	4·1	270	5·4	280	2·5	250	2·7	240	3·2	230	1·8	270	2·4	330	3·2	330	4·1	3·2	31
---	5·9	---	6·1	---	6·0	---	5·6	---	5·6	---	5·2	---	4·2	---	3·6	---	3·1	---	3·2	---	3·3	---	3·4	4·1	

12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

245 ESKDALEMUIR — H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	330	3·4	310	2·2	310	1·6	100	0·6	20	0·7	320	1·0	90	0·2	80	0·1	70	0·3	80	0·8	150	0·9	190	1·7
2	10	2·1	360	1·9	10	2·3	10	2·0	360	2·3	10	2·7	360	3·3	360	3·2	360	2·0	40	1·3	340	1·0	---	0·0
3	170	1·8	170	1·8	140	0·2	140	2·5	160	2·8	150	2·3	170	2·5	160	3·2	170	3·1	160	5·2	160	4·8	160	4·2
4	170	1·0	190	0·3	170	0·8	160	1·3	170	2·5	170	2·6	170	2·3	180	2·9	190	3·8	200	4·7	200	5·3	230	3·5
5	230	6·9	230	7·5	240	7·0	230	6·6	230	5·9	230	5·2	230	5·8	240	6·2	240	6·1	220	7·4	220	7·5	220	7·6
6	250	6·2	240	6·8	240	6·3	270	5·6	270	5·1	250	4·1	270	4·8	270	5·9	270	7·1	270	5·9	270	7·2	270	6·7
7	170	4·6	170	4·7	160	5·6	200	5·4	230	4·2	240	4·8	280	5·0	280	7·0	270	5·9	260	7·8	250	9·1	250	8·5
8	230	6·3	230	6·5	230	3·6	240	2·4	260	0·1	10	1·7	10	1·9	10	3·7	20	4·6	20	5·3	20	5·5	20	4·8
9	350	0·2	20	0·2	10	0·1	360	0·2	---	0·0	---	0·0	---	0·0	---	0·0	150	0·2	160	2·0	160	2·7	170	4·0
10	160	3·7	160	4·0	170	4·1	170	4·2	170	4·0	170	2·9	170	2·5	170	2·4	180	2·0	170	2·4	170	3·4	160	2·8
11	170	1·9	160	2·7	160	3·2	170	3·2	180	1·5	180	1·7	190	1·8	170	3·5	160	3·6	160	4·9	160	7·3	170	6·2
12	170	5·6	170	5·8	160	5·0	170	5·2	160	5·8	170	4·7	160	4·8	160	3·7	180	4·4	180	6·1	190	6·2	220	3·7
13	230	0·2	210	0·2	220	0·2	210	0·9	210	0·3	200	0·2	180	1·5	200	1·9	220	2·5	230	3·1	230	3·3	230	3·2
14	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	140	0·1	150	0·2	90	0·3	70	0·7	50	1·6
15	10	2·5	10	3·2	10	3·7	360	3·9	360	3·7	10	4·9	360	5·7	20	6·6	20	8·4	20	8·6	20	7·4	20	6·9
16	30	3·5	50	4·2	50	4·4	40	3·9	20	5·2	20	5·2	20	4·3	20	4·7	20	5·2	60	5·6	60	6·3	70	6·4
17	10	3·6	10	3·7	350	3·0	360	3·1	360	3·9	10	2·6	340	3·6	10	5·4	20	4·2	30	3·5	20	2·9	50	5·2
18	10	2·0	360	2·4	30	2·6	20	3·1	10	1·9	350	2·5	360	2·2	360	2·2	350	1·0	350	1·6	20	1·6	60	1·8
19	360	1·0	---	0·0	340	0·1	360	0·7	360	1·0	350	0·3	---	0·0	40	0·2	40	1·3	50	2·4	70	3·6	70	3·4
20	60	1·7	60	1·7	70	1·3	60	2·4	60	2·6	60	2·5	60	3·5	60	4·2	60	3·2	70	3·2	60	3·7	80	3·7
21	40	1·2	50	1·6	30	2·4	50	1·8	30	0·6	50	2·4	30	2·3	40	1·4	60	2·1	60	1·4	100	0·9	160	0·1
22	160	1·3	170	1·0	160	0·2	150	0·1	130	0·3	170	0·1	160	1·0	190	2·2	190	3·4	220	4·5	240	6·6	240	6·8
23	350	0·8	350	0·8	350	0·2	360	0·4	360	0·8	360	0·4	360	0·4	---	0·0	---	0·0	150	0·2	160	1·2	150	0·1
24	350	0·7	360	0·6	330	0·6	340	1·0	350	1·0	40	0·2	340	0·6	360	0·1	60	0·2	100	1·5	120	2·5	140	1·8
25	50	2·9	40	3·3	40	3·9	30	4·1	20	5·2	20	6·1	20	8·5	20	7·3	30	9·4	30	10·0	30	11·8	30	10·2
26	20	*(4·8)	20	(4·0)	10	(3·0)	10	(2·2)	20	(2·0)	360	(2·0)	10	(2·5)	10	(3·0)	20	(4·2)	30	4·2	40	3·9	30	3·1
27	290	4·0	280	4·5	270	5·6	270	5·7	300	7·4	310	8·0	340	7·0	350	6·9	360	6·4	350	7·5	350	9·5	350	9·9
28	20	6·4	20	7·2	20	7·6	20	5·7	20	5·0	30	2·0	40	0·4	20	2·9	30	5·8	40	7·3	40	5·6	50	5·3
29	---	0·0	---	0·0	350	0·1	---	0·0	---	0·0	---	0·0	330	0·1	---	0·0	150	0·1	10	1·3	10	1·9	10	2·0
30	150	0·1	90	0·1	350	0·7	350	1·0	10	0·5	330	0·1	350	0·2	330	1·3	310	2·5	(320)	3·6	320	2·6	330	1·1
Mean	---	2·7	---	2·8	---	2·6	---	2·6	---	2·5	---	2·4	---	2·6	---	3·1	---	3·4	---	4·1	---	4·6	---	4·2

* Velocity record defective, interpolated

246 ESKDALEMUIR: H_a = 235 metres + 15 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	360	0·1	320	0·2	---	0·0	---	0·0	340	0·1	310	0·4	---	0·0	310	0·1	---	0·0	---	0·0	10	0·2	---	0·0
2	80	0·1	90	3·7	100	2·0	100	1·0	100	2·1	110	2·0	100	1·2	120	0·6	140	0·3	150	2·4	140	2·7	150	3·5
3	340	1·2	340	1·0	340	1·4	350	1·4	340	1·2	350	0·1	10	0·1	---	0·0	---	0·0	170	0·1	150	1·5	180	2·3
4	---	0·0	350	0·1	350	0·2	340	0·2	350	0·5	350	1·6	350	1·7	350	0·5	350	0·3	70	1·7	60	6·1	50	5·4
5	50	1·4	60	1·7	50	2·3	60	1·3	60	2·5	60	2·8	50	3·1	50	4·2	60	5·7	100	5·1	120	6·8	120	6·3
6	340	1·4	350	1·8	350	1·8	340	2·4	360	2·0	360	0·5	10	0·5	360	0·1	---	0·0	70	0·5	120	0·8	120	1·0
7	30	0·1	---	0·0	---	0·0	360	0·1	---	0·0	---	0·0	340	0·1	---	0·0	---	0·0	100	1·0	90	1·8	90	1·2
8	20	0·2	20	0·4	20	0·3	20	0·2	10	0·6	20	1·0	10	1·4	30	1·5	60	1·5	60	2·5	70	4·4	60	5·4
9	30	3·5	40	3·4	40	2·4	30	1·6	330	0·6	360	0·7	350	1·0	20	3·0	40	3·7	30	3·9	30	4·6	20	5·6
10	360	0·4	360	1·0	360	1·6	360	2·6	310	2·2	10	0·8	340	0·8	10	2·2	30	3·0	20	3·2	20	2·8	20	2·9
11	160	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	320	0·1	---	0·0	---	0·0	---	0·0	150	0·8
12	350	0·8	350	1·0	70	0·8	70	0·9	120	0·9	140	0·3	300	0·8	300	3·7	280	1·2	250	2·5	250	2·6	270	5·2
13	30	1·4	160	2·6	210	2·4	310	4·0	300	7·9	320	5·2	350	2·3	340	1·0	310	3·3	300	2·8	320	3·4	350	2·2
14	200	4·6	200	6·2	210	5·9	210	6·4	220	7·2	230	7·6	220	5·9	220	4·2	270	2·9	290	4·5	290	5·7	300	7·5
15	210	5·1	260	5·3	260	5·9	280	7·2	270	6·4	270	7·1	270	9·2	270	8·3	270	8·8	270	9·6	280	9·3	280	8·6
16	260	8·4	260	7·8	250	8·8	260	9·5	270	8·7	270	11·2	270	10·9	270	9·8	270	9·8	270	11·3	270	10·9	270	10·6
17	230	14·1	240	16·6	230	19·8	230	17·9	220	9·4	220	10·3	230	10·0	230	11·9	230	14·3	230	14·4	230	14·6	270	10·9
18	260	9·5	280	10·4	280	11·7	280	12·4	290	11·6	290	12·6	290	13·2	290	9·0	280	7·6	290	8·8	290	10·4	290	8·2
19	220	8·2	230	7·3	210	6·4	240	7·4	230	3·9	260	4·7	280	4·5	290	4·1	320	4·5	330	6·0	350	6·1	350	8·7
20	300	5·1	310	5·4	300	6·0	310	6·0	260	1·2	290	1·5	290	2·0	300	3·2	300	3·6	300	5·0	300	4·2	300	4·1
21	280	7·3	290	10·8	260	3·5	250	5·6	240	3·7	230	4·2	210	4·8	190	7·5	190	7·8	200	5·0	210	4·5	240	2·7
22	260	3·3	250	4·2	260	4·9	240	5·2	250	3·8	280	4·3	290	4·7	280	3·7	270	4·6	270	4·6	260	3·8	230	5·0
23	190	7·4	200	7·9	200	10·2	200	10·5	200	10·0	210	10·4	200	12·0	190	11·6	200	10·2	200	11·3	200	12·4	250	7·0
24	230	6·5	210	5·6	180	2·3	190	3·0	210	5·0	220	5·4	240	8·0	230	9·0	230	7·7	210	6·8	220	12·3	210	12·7
25	250	11·1	260	8·9	240	7·8	240	7·6	240	7·9	240	7·2	250	7·5	240	8·0	240	6·8	240	10·6	270	6·4	270	5·4
26	240	6·4	240	6·3	240	6·8	220	6·4	210	6·9	220	6·1	230	4·8	210	4·2	170	2·5	190	2·9	190	5·7	170	6·0
27	280	16·9	290	17·4	290	18·5	280	13·3	280	12·6	270	11·8	270	12·0	280	11·4	290	11·5	270	10·0	270	11·2	280	9·5
28	300	12·6	310	11·7	310	11·3	310	12·0	310	10·3	310	10·0	310	11·0	310	7·8	300	7·1	270	3·8	300	4·6	310	8·0
29	350	0·1	10	0·1	10	0·2	---	0·0	170	0·2	80	0·2	180	1·0	190	2·9	200	4·2	210	6·2	210	6·4	210	8·3
30	180	1·5	190	0·4	290	1·6	310	2·0	140	0·4	---	0·0	---	0·0	340	0·2	---	0·0	310	0·2	150	0·5	180	1·3
31	30	1·8	40	1·7	30	2·2	30	1·4	360	3·3	10	3·2	160	0·5	330	1·7	150	1·0	250	1·4	310	5·1	320	5·0
Mean	---	4·5	---	4·9	---	4·8	---	4·8	---	4·3	---	4·3	---	4·4	---	4·4	---	4·3	---	4·8	---	5·5	---	5·5
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

SEPTEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
190	2·1	170	1·6	190	2·7	210	3·2	180	2·2	110	0·5	50	0·8	100	0·7	70	1·1	30	1·7	20	1·1	20	2·2	1·4	1
160	1·7	190	4·2	210	5·5	200	5·7	200	4·8	190	4·9	190	3·8	190	2·6	200	2·8	170	3·0	180	3·3	170	2·2	2·9	2
170	5·0	160	4·5	150	4·8	160	3·8	160	2·7	200	3·8	190	2·6	200	1·7	240	0·3	210	0·5	180	1·4	170	1·4	2·8	3
220	3·4	210	4·8	220	4·6	220	4·2	200	3·7	200	3·2	210	3·4	210	5·5	210	4·6	220	3·9	210	2·8	220	4·6	3·3	4
220	6·7	220	6·9	230	6·8	220	5·8	220	5·2	290	5·4	270	5·0	260	4·6	260	6·1	250	6·8	250	6·5	250	6·1	6·3	5
260	7·0	270	6·0	260	5·0	230	6·7	220	7·2	210	6·4	210	5·4	190	5·4	180	5·7	170	4·6	160	5·0	170	5·1	5·9	6
250	8·2	260	6·3	250	8·0	250	7·2	230	5·0	240	5·6	230	6·3	240	6·6	240	6·6	250	6·5	240	6·8	240	6·4	6·3	7
20	4·9	40	4·5	50	5·4	70	4·7	80	2·4	70	2·1	360	1·0	330	1·2	340	1·6	340	1·7	360	0·5	10	0·1	3·2	8
170	5·2	170	5·3	170	5·2	170	4·8	160	2·7	170	2·4	180	3·0	190	1·6	180	1·7	160	1·8	180	1·3	160	3·7	2·0	9
160	2·9	160	3·2	170	2·5	170	2·3	170	3·0	170	1·8	190	0·9	190	0·2	190	1·3	160	1·2	170	1·6	170	2·6	2·6	10
180	6·8	170	6·0	180	4·7	180	5·2	190	4·3	180	3·8	170	1·6	160	3·5	160	3·7	170	3·2	160	5·5	160	5·4	4·0	11
210	3·7	210	3·0	190	2·4	200	4·4	210	5·2	210	4·6	200	3·8	200	3·6	210	3·0	230	3·0	160	0·6	190	0·8	4·1	12
220	4·1	210	4·8	220	4·7	220	4·6	210	4·3	210	3·9	210	2·8	200	1·0	210	1·3	220	0·1	220	0·2	210	0·6	2·1	13
60	2·5	40	3·3	30	4·7	50	4·8	50	2·2	360	0·1	350	0·5	350	1·3	350	2·2	10	2·5	20	2·6	20	2·8	1·3	14
30	6·6	30	6·6	40	6·0	30	6·3	20	3·8	30	4·8	20	5·7	30	4·8	30	3·7	30	3·1	20	2·2	20	2·0	5·0	15
70	5·3	60	6·3	60	5·8	60	6·0	60	6·5	40	4·2	30	5·8	40	6·6	30	7·1	30	6·8	30	7·0	30	6·9	5·5	16
50	4·6	50	4·2	50	3·8	40	3·7	50	4·2	50	2·4	30	3·0	40	3·6	30	3·2	30	3·3	30	3·9	30	3·2	3·7	17
30	1·9	80	2·5	80	2·2	70	1·8	70	1·5	30	1·6	10	1·3	10	2·3	360	1·6	10	0·6	40	0·8	10	1·1	1·8	18
90	2·8	60	2·9	60	3·5	60	3·5	70	3·5	70	3·8	70	3·0	60	2·7	50	2·9	70	2·1	60	2·0	90	2·6	1·7	19
100	4·5	100	4·1	110	4·4	100	4·2	100	3·4	90	2·5	60	3·0	30	2·2	30	1·8	60	2·8	40	1·2	10	1·4	2·9	20
200	0·6	300	0·4	270	0·6	250	1·2	240	2·8	240	2·6	280	1·4	320	1·5	140	0·2	150	0·2	160	0·2	160	0·6	1·3	21
240	5·5	250	5·3	270	5·0	270	4·1	270	3·5	280	2·7	280	3·6	260	2·5	230	1·0	260	0·5	330	0·6	310	1·0	2·6	22
150	0·1	210	3·5	240	3·1	220	0·8	160	0·1	320	0·2	330	1·6	40	1·1	340	1·2	360	1·1	360	1·3	350	1·4	0·9	23
150	3·2	160	2·6	150	2·2	120	0·1	80	0·2	---	0·0	20	0·2	50	0·9	30	0·5	40	1·3	60	2·3	50	1·1	1·1	24
30	8·3	30	8·6	30	9·2	30	8·8	40	7·9	30	6·5	20	5·7	20	6·4	20	5·6	20	4·7	20	5·0	20	5·7	6·9	25
50	0·8	210	0·1	340	0·7	310	3·0	330	2·4	310	2·3	310	2·7	200	3·5	270	0·7	220	0·5	300	2·3	300	3·5	2·6	26
350	9·3	10	9·3	20	9·2	20	9·6	20	8·5	20	9·8	30	6·2	30	5·6	30	5·2	20	6·4	20	8·0	20	6·6	7·3	27
50	3·8	30	3·6	30	3·5	30	3·1	20	2·8	10	2·0	330	0·6	330	2·2	330	0·8	340	0·4	---	0·0	---	0·0	3·5	28
350	2·2	360	1·8	10	2·3	20	0·8	---	0·0	360	0·3	300	0·2	350	0·8	170	0·1	---	0·0	---	0·0	---	0·0	0·6	29
340	0·6	320	1·4	340	1·0	330	1·8	360	1·8	350	2·5	340	2·5	20	0·7	30	0·3	40	2·0	60	0·3	---	0·0	1·2	30
---	4·1	---	4·3	---	4·3	---	4·2	---	3·6	---	3·2	---	2·9	---	2·9	---	2·6	---	2·5	---	2·5	---	2·7	3·2	

OCTOBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
380	0·6	---	0·0	---	0·0	---	0·0	100	0·2	90	0·5	70	0·5	80	1·0	100	1·6	100	2·0	120	1·0	80	0·2	0·4	1
160	3·4	150	3·4	150	2·8	140	2·0	150	2·1	160	0·3	220	0·1	170	0·1	210	0·3	330	1·5	350	1·3	340	1·0	1·7	2
150	1·5	160	2·2	160	2·4	180	1·5	180	0·8	320	1·1	330	1·6	350	0·3	350	0·1	---	0·0	---	0·0	---	0·0	0·9	3
30	4·9	50	4·7	50	5·1	40	4·9	40	5·0	30	5·0	40	4·7	30	3·6	30	3·5	40	2·7	50	2·4	60	1·7	2·8	4
120	6·1	120	6·4	130	5·2	110	4·5	100	2·9	80	4·4	60	3·6	50	3·6	350	1·8	350	1·5	340	1·3	330	1·5	3·6	5
70	1·8	40	2·4	20	2·3	10	2·5	350	2·7	350	1·3	340	0·6	360	0·5	330	0·1	20	0·3	40	0·4	360	0·8	1·2	6
80	0·8	190	0·5	80	0·1	220	0·4	30	0·8	10	1·3	340	1·3	360	1·0	360	1·9	350	1·7	20	0·3	10	0·3	0·6	7
60	6·1	70	5·2	60	4·8	60	4·7	50	4·7	40	4·4	50	4·0	60	1·4	40	3·3	30	2·2	50	0·9	30	1·0	2·6	8
20	5·7	30	5·0	20	4·2	20	3·6	30	2·8	30	3·0	30	3·0	10	2·0	50	2·6	350	1·0	30	0·2	30	0·5	2·8	9
360	1·4	350	0·7	30	2·6	10	2·0	20	1·5	350	1·8	10	2·2	10	2·1	360	1·7	340	1·7	340	1·8	340	0·2	1·8	10
150	1·0	130	0·4	120	0·5	160	0·8	220	0·1	160	0·5	160	0·7	30	0·2	330	2·7	310	4·7	310	6·2	320	3·4	0·9	11
280	6·4	290	5·0	270	5·8	260	6·3	270	6·5	270	8·1	260	7·5	260	6·4	230	4·8	250	4·8	300	8·5	310	6·0	4·0	12
30	2·6	340	2·2	290	3·7	300	3·9	290	1·8	260	2·6	270	3·1	260	0·7	210	1·6	200	2·6	170	2·5	200	3·5	2·9	13
310	6·4	310	4·7	310	4·2	300	4·3	290	3·4	290	4·8	280	4·8	280	4·9	270	4·8	260	2·9	220	4·5	220	5·2	5·1	14
270	9·6	270	9·9	270	8·6	270	9·0	270	9·6	270	9·5	270	9·5	270	8·4	270	8·5	270	8·4	270	9·1	260	8·3	8·3	15
270	9·6	270	10·5	270	11·4	270	11·3	260	8·2	260	7·3	220	4·6	220	6·1	210	6·4	230	7·7	240	10·0	230	11·9	9·3	16
260	7·2	250	7·2	260	8·0	250	6·5	240	7·8	240	8·3	250	9·4	240	9·0	260	9·8	260	11·1	270	9·5	270	9·6	11·2	17
290	8·4	290	9·3	300	9·3	290	7·6	300	5·7	250	3·1	200	3·0	220	2·7	190	2·4	170	3·3	210	4·8	220	8·6	8·1	18
350	10·2	340	10·7	330	8·7	340	7·7	320	9·0	320	7·4	320	5·8	310	5·0	300	4·7	290	4·5	300	7·0	300	5·6	6·6	19
300	4·0	280	3·1	260	3·0	260	3·3	260	3·5	290	7·5	290	10·0	290	10·3	290	11·2	290	5·9	290	7·2	280	7·0	5·1	20
210	4·6	260	3·0	260	4·5	260	4·5	270	4·2	250	2·6	210	8·3	200	3·2	260	3·1	270	5·0	270	2·8	270	4·0	4·7	21
230	7·2	230	8·0	230	7·5	230	7·6	220	4·8	230	7·1	220	6·8	210	6·1	210	5·0	200	5·6	190	5·0	200	9·0	5·5	22
210	5·7	210	7·0	220	6·3	230	6·8	220	5·4	220	5·7	220	6·5	220	4·8	220	3·3	240	5·6	200	3·5	230	6·0	7·8	23
210	13·4	210	14·8	210	15·6	210	14·3	210	14·6	210	15·0	220	15·4	220	15·0	210	15·6	220	14·3	220	15·8	240	12·6	10·9	24
260	3·8	250	6·2	240	8·3	240	8·6	240	10·7	250	9·0	260	6·5	250	4·8	250	4·6	260	3·8	240	5·3	250	6·0	7·2	25
170	5·4	180	5·0	200	4·8	220	8·2	240	11·5	250	13·0	260	13·9	250	12·2	250	14·3	250	17·1	260	18·0	270	16·8	8·5	26
260	8·1	270	6·4	270	8·3	260	7·0	270	7·2	290	9·2	280	8·5	270	9·1	290	10·3	300	14·2	300	13·7	300	14·4	11·4	27
300	4·2	300	5·0	300	6·3	360	2·7	10	2·0	350	1·8	170	0·8	230	1·3	20	1·3	350	1·2	360	0·7	360	0·6	5·8	28
210	7·1	200	5·8	210	5·0	210	7·5	210	6·0	210	4·8	210	6·0	200	4·5	200	5·3	190	3·9	270	4·5	310	1·0	3·8	29
260	1·3	290	2·6	320	2·5	300	0·6	310	0·5	320	0·7	340	2·3	340	2·9	360	2·3	350	1·2	10	1·6	20	3·4	1·3	30
320	4·2	310	3·6	310	2·7	310	3·8	290	0·4	270	0·7	220	1·2	240	2·5	260	1·9	210	2·5	210	2·8	220	2·5	2·4	31
---	5·3	---	5·2	---	5·3	---	5·1	---	4·7	---	4·9	---	4·9	---	4·4	---	4·2	---	4·7	---	4·9	---	5·3	4·8	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

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H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	190	0·6	180	0·7	190	1·8	220	2·7	220	3·2	230	4·7	210	4·3	220	4·6	220	7·2	200	5·4	210	9·3	220	10·7
2	340	2·2	360	1·6	70	0·9	60	1·9	30	5·7	20	5·8	20	3·6	20	3·6	10	2·5	30	2·8	70	2·7	90	2·6
3	230	6·4	280	4·3	320	4·2	300	5·6	290	4·7	280	3·4	270	2·8	280	2·0	210	2·3	210	1·7	260	2·4	270	2·4
4	200	4·3	190	3·3	190	2·5	180	3·9	170	2·7	200	4·4	210	4·9	230	6·3	230	6·4	240	5·8	230	7·5	220	7·5
5	230	6·6	220	5·0	220	4·1	230	5·5	190	3·6	190	2·7	190	2·3	190	2·5	190	3·8	200	6·6	230	9·0	220	9·1
6	190	1·9	200	3·3	220	4·5	190	2·9	210	3·8	210	3·7	190	3·1	210	3·0	180	3·5	170	5·3	160	6·4	160	6·8
7	110	7·2	120	6·7	140	5·0	180	3·5	180	1·2	170	2·5	140	4·4	160	3·6	160	3·9	160	6·2	150	6·3	150	6·2
8	210	4·2	200	3·2	230	2·8	220	2·1	180	1·9	190	2·4	210	3·1	210	4·2	220	7·6	220	7·0	220	9·8	210	11·3
9	180	3·3	180	3·0	180	1·8	170	2·1	160	1·9	170	1·5	160	0·9	360	1·0	360	2·4	20	2·3	30	2·8	350	2·9
10	---	0·0	---	0·0	---	0·0	---	0·0	350	0·2	330	0·2	340	0·1	---	0·0	---	0·0	50	0·1	170	0·1	180	0·1
11	240	3·5	250	1·5	250	1·1	270	0·8	210	0·6	150	0·5	310	0·3	340	0·6	---	0·0	350	0·1	---	0·0	160	2·0
12	60	8·6	50	9·5	50	10·8	50	11·8	40	12·0	40	12·7	40	12·7	30	14·1	30	13·5	30	11·8	30	12·2	30	12·7
13	20	9·3	20	10·3	20	10·7	20	8·8	20	8·3	20	6·4	10	4·9	360	3·9	360	4·3	10	4·5	10	4·0	20	1·4
14	---	0·0	190	2·4	180	2·7	170	2·8	160	2·3	170	3·0	190	4·7	200	3·5	190	1·8	210	4·6	250	6·4	260	5·6
15	210	2·6	170	3·8	170	3·8	180	4·4	200	4·4	210	6·5	210	7·6	210	10·9	210	12·4	200	10·8	200	12·7	210	13·3
16	240	9·7	260	9·8	270	9·5	270	7·2	270	6·2	280	7·0	290	4·8	300	5·0	300	3·8	210	2·8	260	4·3	270	3·6
17	50	2·7	60	1·3	40	0·7	40	1·2	30	2·2	20	1·2	10	1·1	360	3·2	360	3·5	10	2·9	40	2·8	20	2·2
18	360	5·8	20	6·3	20	6·1	360	5·6	10	5·2	20	4·8	20	2·6	360	3·5	10	4·1	10	3·4	20	6·1	10	5·2
19	10	0·9	350	1·8	360	1·1	330	1·4	330	1·0	350	0·8	350	1·0	350	1·3	350	0·8	---	0·0	10	0·4	180	0·4
20	360	0·2	40	0·2	10	0·4	220	0·5	140	0·6	150	1·3	190	1·0	200	1·4	200	2·1	180	1·9	220	2·9	210	2·4
21	180	2·3	170	2·6	160	3·2	170	2·3	170	2·0	180	1·7	200	2·0	210	3·7	200	3·6	200	2·9	210	3·0	220	3·8
22	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0
23	20	0·5	---	0·0	350	0·6	330	0·2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0
24	---	0·0	---	0·0	310	0·2	240	0·2	---	0·0	320	0·3	310	0·1	350	0·2	---	0·0	330	0·2	---	0·0	---	0·0
25	330	0·1	190	0·4	360	2·2	340	1·0	330	1·1	340	1·1	360	0·2	---	0·0	30	0·1	---	0·0	---	0·0	---	0·0
26	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	150	1·2	350	0·1	30	0·1	---	0·0
27	340	0·4	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	360	0·2	320	0·1	170	0·1	150	0·8
28	10	2·5	40	0·8	350	2·4	30	0·9	10	2·0	10	2·8	360	3·2	360	3·4	360	1·9	270	0·8	150	0·7	150	0·2
29	210	5·2	230	8·3	230	9·4	220	10·4	220	10·7	220	11·0	230	10·8	230	11·3	220	8·9	220	7·0	220	6·8	210	5·2
30	270	16·1	260	11·3	260	11·5	270	11·8	270	11·8	260	12·6	270	11·3	270	12·0	280	10·9	270	10·0	270	11·0	270	10·4
Mean	---	3·6	---	3·4	---	3·5	---	3·4	---	3·3	---	3·5	---	3·3	---	3·6	---	3·7	---	3·6	---	4·3	---	4·0

248 ESKDALEMUIR: H_a = 235 metres + 15 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	300	14·4	300	15·0	300	15·6	300	15·0	300	14·7	300	14·5	290	12·8	300	10·3	300	11·0	300	12·4	300	12·3	290	11·9
2	300	10·2	290	10·1	290	7·7	290	7·8	290	7·4	280	5·0	270	3·9	280	4·7	280	4·5	270	5·6	260	5·4	290	12·0
3	170	0·1	150	0·1	160	0·2	150	0·1	200	1·1	190	1·2	190	1·3	180	1·5	150	0·7	150	1·0	100	0·4	200	3·4
4	240	16·2	240	13·6	250	15·4	250	16·4	260	14·2	270	13·6	280	14·3	280	14·2	280	13·3	290	13·0	290	11·6	280	10·4
5	220	5·2	230	6·2	250	6·1	250	5·6	250	5·5	250	6·0	250	6·4	250	7·7	240	6·3	250	6·1	270	5·2	260	5·3
6	240	1·8	320	3·7	320	7·0	320	9·1	320	9·9	340	10·7	340	11·4	320	11·0	310	14·4	310	14·1	310	13·2	310	11·9
7	310	5·9	340	9·3	340	10·1	340	5·4	330	3·0	260	2·1	340	2·8	340	1·8	170	0·9	150	0·7	180	0·1	150	0·1
8	190	3·4	190	3·1	180	2·9	220	2·3	230	2·1	240	2·3	270	3·6	310	3·1	320	1·2	280	2·1	300	1·8	300	3·1
9	330	2·0	340	2·1	20	0·5	150	1·0	180	0·3	340	0·1	---	0·0	360	0·1	350	0·5	---	0·0	---	0·0	140	0·1
10	190	1·9	190	2·5	210	5·0	200	3·8	200	3·1	200	3·0	210	3·5	210	1·8	210	5·0	210	4·8	200	5·3	200	5·8
11	210	2·7	180	2·3	190	2·5	180	2·1	170	1·7	160	2·0	(170)	(2·5)	(180)	(1·5)	(230)	(0·2)	200	1·0	190	3·3	180	3·1
12	210	5·3	300	0·7	150	1·2	10	0·9	10	0·1	---	0·0	160	0·5	230	0·1	190	1·1	190	1·9	150	1·7	170	2·6
13	240	4·9	230	5·1	240	4·0	250	3·9	230	3·5	220	4·8	210	2·8	230	5·8	200	4·2	200	5·3	200	5·1	170	4·2
14	180	10·4	180	12·0	210	11·7	210	9·0	220	8·4	220	6·5	230	5·4	220	5·2	240	4·2	280	2·9	310	2·7	300	1·3
15	240	3·1	260	4·7	260	4·4	190	3·0	260	5·7	250	5·2	250	8·2	250	6·9	240	7·0	240	7·3	240	9·2	240	8·9
16	190	19·2	190	21·1	200	14·9	220	15·7	210	14·2	210	14·4	220	13·0	220	14·8	230	15·2	230	13·5	230	15·1	230	15·1
17	230	11·3	230	12·2	240	14·6	240	14·2	230	9·8	210	8·3	180	4·6	180	5·9	190	10·7	190	13·4	190	11·4	180	7·0
18	230	14·4	220	10·8	210	10·8	200	8·3	200	8·7	210	9·8	200	3·8	180	3·5	200	8·9	230	12·7	230	10·7	220	11·0
19	230	8·6	230	10·0	230	9·1	220	7·7	220	6·7	220	6·4	220	8·5	220	9·8	230	9·8	230	10·5	230	11·6	230	10·4
20	210	17·7	210	18·0	210	19·4	210	19·1	210	17·8	210	16·6	210	18·1	210	18·9	210	20·6	210	20·4	210	19·8	210	19·0
21	200	8·0	220	11·4	220	10·9	220	10·8	210	9·0	210	7·8	210	7·1	210	8·5	220	10·9	210	10·0	210	11·1	210	10·7
22	210	14·6	230	12·1	280	4·2	330	2·6	320	2·0	250	2·2	190	2·9	170	2·6	230	2·9	230	5·7	230	5·4	250	5·4
23	250	2·7	290	1·8	330	3·1	150	0·5	210	0·6	230	1·5	210	1·4	220	1·8	160	0·6	170	1·3	200	2·5	200	4·3
24	230	9·1	220	10·3	220	8·4	220	9·1	180	6·3	170	6·7	180	6·5	210	5·7	180	4·8	170	5·2	220	7·4	210	6·7
25	260	4·1	250	3·5	260	2·9	260	2·4	270	2·5	250	7·6	310	4·3	300	2·8	290	2·5	280	2·6	330	2·7	310	1·5
26	270	3·2	260	2·6	230	3·0	240	3·3	230	2·6	230	1·6	180	1·1	270	2·0	240	1·4	200	2·1	240	0·1	170	1·6
27	200	0·2	---	0·0	30	0·2	210	0·1	20	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	180	1·2
28	170	2·6	170	2·1	180	3·0	200	3·0	200	2·7	210	3·2	230	0·4	330	0·6	330	1·1	330	0·2	340	0·2	---	0·0
29	---	0·0	280	0·1	300	0·1	---	0·0	20	0·2	10	0·7	10	1·2	10	0·7	---	0·0	---	0·0	---	0·0	---	0·0
30	180	1·3	180	1·7	180	3·4	190	3·9	180	2·5	180	2·6	200	3·0	180	5·4	210	10·4	210	11·4	210	11·6	210	11·5
31	210	15·5	210	15·4	210	16·0	210	17·6	210	17·3	210	16·9	210	16·3	210	15·9	210	14·6	210	13·3	210	11·1	220	10·6
Mean	---	7·1	---	6·6	---	7·0	---	6·6	---	5·9	---	5·9	---	5·5	---	5·6	---	6·4	---	6·5	---	6·4	---	6·5
Annual Mean	---	3·7	---	3·6	---	3·6	---	3·6	---	3·6	---	3·7	---	3·8	---	4·1	---	4·5	---	4·9	---	5·3	---	5·4
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

* Clock stopped, interpolated

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

NOVEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
210	10·2	200	10·7	200	11·1	200	10·3	200	7·5	220	5·7	220	4·9	240	3·2	260	3·5	290	3·3	300	4·5	290	3·5	5·6	1
120	1·1	170	1·3	200	3·6	210	3·5	220	3·5	200	1·9	170	2·5	190	3·7	210	6·4	200	6·2	200	5·0	210	6·2	3·4	2
270	3·5	280	3·2	260	3·2	270	3·9	260	3·5	250	3·6	250	4·4	250	4·5	250	5·0	240	5·2	230	3·2	230	4·6	3·7	3
220	7·8	230	6·5	220	5·8	210	3·6	200	3·0	190	3·8	180	2·1	210	2·6	220	5·2	200	4·6	200	4·2	210	5·5	4·8	4
220	11·6	220	9·6	220	10·4	230	11·3	220	9·8	230	10·4	230	8·5	220	8·7	240	8·8	220	6·9	230	6·9	220	6·4	7·1	5
160	6·9	150	7·5	150	7·8	140	7·4	140	7·8	130	8·2	130	9·4	120	8·6	120	8·1	120	8·5	110	8·6	100	7·4	6·0	6
140	4·9	140	5·2	130	3·3	150	6·6	150	7·4	130	5·7	130	6·4	140	6·9	160	6·5	210	11·3	210	5·9	210	6·7	5·6	7
220	11·2	220	10·4	210	9·8	210	9·6	210	8·7	210	8·3	210	9·3	210	9·1	210	6·5	200	4·3	190	3·5	190	2·5	6·4	8
360	3·8	360	2·9	360	3·2	10	2·9	10	2·0	50	1·1	90	1·0	120	0·7	140	0·3	20	0·1	---	0·0	50	0·1	1·8	9
---	0·0	160	0·5	160	1·1	150	1·0	230	1·2	200	1·1	220	3·2	230	4·2	240	4·5	250	3·3	240	3·3	230	2·9	1·1	10
150	3·1	140	3·4	120	3·8	80	3·9	80	5·2	90	6·5	90	5·6	90	7·2	90	7·9	90	11·6	90	10·8	70	9·8	3·7	11
30	13·5	30	14·6	30	13·3	20	12·5	20	14·2	20	12·0	20	11·1	20	10·6	20	11·8	20	9·8	20	7·8	20	10·6	11·9	12
20	0·9	40	0·9	20	0·3	320	0·3	340	0·4	330	0·5	340	0·4	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	3·6	13
250	3·5	260	4·1	260	4·3	280	3·3	270	4·8	270	4·7	260	2·8	280	4·8	270	4·9	240	2·5	240	2·3	230	3·5	3·6	14
250	6·1	260	7·5	270	7·0	260	6·5	270	8·5	260	7·7	260	7·7	260	5·8	250	7·6	240	7·4	240	7·4	230	8·8	7·5	15
270	3·1	240	1·7	210	2·2	230	1·8	240	1·2	---	0·0	---	0·0	10	0·2	150	0·1	130	1·0	150	0·1	100	1·3	3·6	16
360	5·5	20	9·2	20	8·5	20	7·9	20	6·8	20	7·6	10	6·8	360	6·4	360	5·6	360	5·9	360	5·8	360	5·5	4·4	17
20	6·5	30	6·3	10	4·5	40	2·9	70	1·1	60	0·7	10	1·0	20	1·3	20	1·7	360	1·6	50	2·7	10	1·8	3·8	18
50	0·1	230	0·2	---	0·0	310	0·1	330	1·4	330	0·6	330	0·2	350	0·7	310	0·1	330	0·2	20	0·2	350	0·3	0·6	19
210	3·1	220	4·0	210	3·5	220	3·4	200	3·4	190	1·0	170	1·6	210	2·6	190	2·9	180	2·7	170	3·0	170	2·1	2·0	20
220	3·7	220	2·5	220	2·6	190	2·0	150	0·8	160	1·1	140	1·2	*(130)	0·1	(130)	0·1	(130)	0·2	(130)	0·5	(130)	0·1	2·0	21
---	0·0	---	0·0	190	0·1	330	0·9	350	1·0	340	1·0	350	1·3	360	1·2	360	1·2	360	1·7	360	1·8	360	0·9	0·5	22
---	0·0	---	0·0	---	0·0	330	0·4	330	0·6	330	0·1	350	0·2	340	0·7	350	0·1	---	0·0	---	0·0	---	0·0	0·1	23
---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	180	0·1	330	0·1	360	0·5	200	0·4	0·1	24
150	0·8	---	0·0	150	0·1	150	0·3	150	0·5	350	0·1	150	0·3	360	0·2	50	0·1	250	0·1	---	0·0	---	0·0	0·3	25
---	0·0	---	0·0	310	0·4	340	0·1	350	0·6	330	1·1	340	1·4	360	0·7	360	0·4	350	0·5	340	0·4	350	0·2	0·3	26
150	1·3	150	1·2	300	3·2	300	1·1	360	0·3	330	0·6	150	0·5	180	0·2	40	0·2	320	1·0	340	1·7	10	0·5	0·6	27
160	0·7	250	0·6	260	1·7	220	1·5	230	0·4	250	2·2	210	1·3	230	1·8	210	3·5	200	4·7	230	6·8	210	5·2	2·2	28
210	3·9	230	4·9	250	5·3	250	4·7	260	5·2	260	4·7	240	4·8	220	4·2	250	6·3	260	8·0	270	11·8	270	14·6	7·6	29
270	10·9	280	13·2	280	11·4	290	10·9	290	13·4	290	14·5	290	11·1	290	13·7	300	15·4	290	13·4	300	14·3	300	13·8	12·4	30
---	4·2	---	4·4	---	4·4	---	4·1	---	4·1	---	3·9	---	3·7	---	3·8	---	4·2	---	4·2	---	4·1	---	4·2	3·9	

DECEMBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
290	11·8	290	13·4	300	12·5	300	12·2	300	12·2	300	10·4	300	11·0	300	9·5	300	11·1	290	9·6	290	10·3	290	11·7	12·3	1
310	14·8	310	12·7	320	8·0	360	1·2	320	1·4	330	0·4	320	1·9	330	1·6	350	1·4	---	0·0	---	0·0	160	0·1	5·3	2
220	4·8	240	8·7	240	8·2	240	8·6	240	13·6	230	17·5	240	14·4	230	10·8	230	13·7	210	14·1	220	15·2	240	14·5	6·5	3
280	9·8	280	9·0	270	7·2	270	5·4	260	4·8	260	3·7	260	2·4	190	1·6	170	2·2	200	3·3	210	5·1	220	6·4	9·5	4
260	5·7	260	6·6	260	5·4	280	9·3	270	8·7	280	10·6	280	9·8	280	10·2	290	13·2	290	12·8	270	6·4	290	3·7	7·3	5
310	13·3	330	12·7	330	15·3	340	16·1	340	13·4	340	11·2	330	13·3	340	12·0	350	9·5	360	6·9	360	3·6	200	2·5	10·3	6
170	0·4	170	0·1	260	0·1	170	1·5	190	2·5	180	1·7	170	1·4	170	1·9	150	1·8	150	1·8	150	0·8	180	0·4	2·4	7
270	2·1	300	5·0	300	6·4	300	5·2	290	3·9	300	2·0	290	3·9	120	0·6	340	2·1	310	1·4	170	1·4	330	1·1	2·8	8
100	0·1	180	0·2	---	0·0	160	0·9	190	1·5	220	2·5	220	2·8	180	2·3	190	3·0	190	2·5	190	1·7	190	2·1	1·1	9
210	5·1	200	5·5	190	4·1	190	3·0	200	3·3	210	2·8	180	2·6	210	3·3	230	4·2	210	5·0	230	4·9	210	5·2	3·9	10
180	2·5	180	3·1	250	0·3	220	0·1	140	0·2	190	6·0	190	6·8	180	6·2	200	8·9	210	9·5	200	7·7	190	5·2	3·4	11
190	3·1	190	2·9	210	2·7	240	2·4	230	3·1	230	3·1	210	3·0	210	2·8	210	2·8	210	2·9	200	2·8	240	3·0	2·1	12
170	6·3	160	7·4	170	8·0	170	9·6	170	10·5	170	10·0	170	13·2	170	13·6	170	13·6	170	16·8	180	17·6	170	15·0	8·1	13
310	2·9	330	0·2	310	0·2	290	0·2	230	0·1	290	1·8	280	1·9	270	2·1	250	2·0	250	3·7	230	3·4	230	4·5	4·3	14
220	7·3	200	6·3	200	7·3	210	8·1	200	9·0	170	6·6	180	8·4	180	14·9	180	16·1	190	17·4	190	17·8	190	19·0	8·8	15
230	12·7	230	13·8	240	11·8	240	14·3	230	13·0	230	12·7	240	12·4	240	12·8	240	11·9	240	12·9	240	10·2	230	10·2	14·0	16
180	8·7	180	10·6	200	16·7	200	15·5	200	15·0	200	15·2	200	14·6	200	14·0	200	13·1	220	16·9	220	17·6	220	17·1	12·4	17
230	14·3	230	11·0	240	12·2	240	12·8	240	10·2	240	10·5	240	10·2	240	8·4	240	6·1	220	4·4	200	5·3	210	6·9	9·4	18
220	11·6	220	10·5	220	12·2	210	12·3	210	16·4	210	17·5	220	20·0	220	18·6	220	18·3	220	16·6	220	15·8	210	16·5	11·9	19
210	20·0	210	19·1	210	17·8	210	18·4	210	18·1	210	16·5	220	17·3	220	15·2	220	14·0	220	13·8	210	12·0	200	10·1	17·0	20
200	11·3	210	12·4	210	11·9	200	14·1	210	15·7	200	14·9	210	15·6	210	15·2	210	15·0	210	14·8	210	15·5	200	15·1	12·0	21
250	4·9	270	5·5	260	5·5	260	4·8	260	4·6	260	6·7	260	5·6	260	3·9	250	2·6	280	1·6	250	3·3	210	3·2	4·8	22
210	5·6	210	5·5	220	6·3	210	6·9	200	5·9	190	7·1	190	6·2	210	7·6	220	9·5	220	7·1	220	8·1	220	7·7	4·4	23
220	7·0	220	6·4	230	6·2	200	6·2	240	6·7	260	6·5	260	6·2	270	6·0	270	7·1	280	7·2	260	6·1	250	4·1	6·7	24
360	0·9	300	1·8	90	0·4	320	1·5	290	0·7	290	3·0	300	0·9	210	1·3	230	1·4	210	1·1	210	1·8	260	1·8	2·3	25
170	1·6	170	2·5	170	2·4	200	3·5	240	1·2	130	0·7	190	0·3	180	0·1	150	0·1	210	0·2	310	1·1	330	0·3	1·6	26
180	1·9	180	2·8	180	2·7	180	2·5	180	2·5	180	3·7	180	3·7	180	2·3	180	2·6	170	3·6	170	4·7	170	3·0	1·6	27
210	0·2	240	1·8	230	2·6	200	1·4	160	0·6	150	2·1	160	3·5	160	3·6	150	4·2	170	2·8	180	1·6	180	0·8	1·9	28
---	0·0	200	1·5	220	7·9	270	5·4	250	4·2	250	4·7	260	3·9	230	2·9	240	3·6	230	2·1	260	1·4	180	0·7	1·7	29
210	13·8	210	14·0	210	12·4	210	11·1	210	10·6	210	11·7	210	12·8	210	12·8	210	13·2	210	14·8	210	15·0	210	17·0	9·5	30
210	8·0	190	5·1	200	6·1	210	8·6	220	8·6	210	10·4	210	12·6	210	13·0	210	12·5	210	12·6	210	13·3	210	13·4	12·7	31
---	6·9	---	7·0	---	7·1	---	7·2	---	7·2	---	7·5	---	7·8	---	7·5	---	7·8	---	7·7	---	7·5	---	7·2	6·9	
---	5·5	---	5·7	---	5·6	---	5·4	---	5·2	---	5·0	---	4·6	---	4·2	---	3·9	---	3·9	---	3·9	---	3·9	4·5	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

* Anemometer head frozen

249 ESKDALEMUIR: h_a = 235 metres + 15 metres 1936

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust
	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m
1	13·2	12 15	8·9	23 25	25·0	16 35	10·3	16 5	9·7	12 15	13·1	13 40	7·7	10 25	11·5	16 50	8·6	2 15	4·7	21 30	18·2	14 25	25·3	1 10
2	6·4	1 30	11·5	16 40	22·2	7 15	13·8	8 0	11·3	14 45	13·7	11 50	13·1	13 50	21·2	19 20	9·2	14 45	7·3	13 5	13·5	20 55	26·4	11 45
3	8·2	10 10	18·4	13 40	7·0	15 15	12·3	15 30	12·0	17 15	20·2	10 40	15·7	12 45	22·2	14 50	9·6	12 10	5·8	11 5	12·6	3 25	30·7	23 10
4	7·8	4 10	7·5	15 0	20·6	16 30	14·8	9 15	16·4	8 15	18·0	0 30	17·6	11 20	18·5	15 55	10·3	19 10	†(11·2)	10 55	13·7	10 50	34·4	4 10
5	19·3	20 50	6·0	21 20	15·3	18 20	10·0	9 30	14·2	13 40	13·3	17 5	15·7	12 5	10·8	2 25	14·8	22 40	11·9	11 5	21·6	15 15	24·4	21 10
6	16·8	3 50	12·5	9 30	14·7	13 50	15·4	15 50	14·2	15 15	18·8	15 20	10·3	11 55	16·7	16 30	16·0	10 30	7·0	13 50	16·7	22 35	26·9	15 30
7	9·2	17 30	14·1	1 30	13·4	16 35	9·5	13 35	16·3	15 5	18·1	9 10	10·9	13 25	9·7	16 25	19·8	9 40	4·8	10 0	19·0	21 15	17·9	2 30
8	11·8	21 0	8·7	19 45	9·8	5 50	8·3	13 40	16·2	13 55	12·6	18 25	15·2	14 15	16·3	11 55	10·7	1 20	10·9	11 45	20·3	12 50	†(12·5)	7 0
9	36·3	22 40	22·2	22 45	17·2	14 10	11·0	13 55	14·5	12 55	15·5	14 35	12·0	15 5	11·3	7 20	9·4	14 20	12·4	11 55	7·5	0 45	7·0	22 50
10	33·0	0 20	25·7	8 45	12·9	0 40	12·8	15 20	11·8	5 10	11·4	1 35	10·9	9 55	7·3	13 20	8·1	1 35	7·4	11 40	8·7	20 30	10·5	23 40
11	24·3	5 0	15·6	3 10	6·4	8 15	20·1	14 50	9·8	15 50	17·8	14 40	12·0	0 20	11·3	14 40	13·2	12 20	11·0	22 25	19·8	21 45	16·9	20 45
12	16·8	21 55	5·8	0 20	8·6	14 10	19·3	3 35	11·2	13 0	11·1	13 20	13·5	12 45	12·3	20 45	11·7	9 20	17·5	22 50	25·2	15 15	11·8	0 15
13	14·8	19 0	9·8	20 30	6·0	17 20	20·7	12 10	15·7	17 55	9·0	10 40	15·5	15 50	12·7	23 0	9·6	13 20	13·3	4 50	19·4	1 25	30·2	21 55
14	8·8	12 55	8·2	0 10	6·2	10 40	18·5	17 40	14·4	16 10	21·5	10 15	16·8	13 50	13·8	13 15	10·0	15 20	14·0	11 35	16·3	20 35	23·5	1 50
15	4·3	7 5	5·0	1 55	10·1	11 15	19·7	9 50	14·3	11 45	17·2	18 5	13·2	15 10	10·3	11 20	13·6	8 25	20·8	11 50	26·6	11 45	29·2	23 10
16	14·7	20 5	7·5	14 25	9·9	13 50	14·1	11 55	19·8	16 10	19·2	20 20	15·6	8 25	11·1	15 40	13·9	20 50	22·5	3 10	19·2	1 0	33·0	1 30
17	19·3	23 5	13·2	10 45	9·8	13 40	12·6	14 0	11·8	4 55	15·6	0 55	11·4	23 0	18·2	13 10	9·5	11 40	28·5	3 0	18·4	13 55	27·8	22 20
18	19·2	1 35	20·1	4 10	8·8	19 35	18·7	14 40	13·4	8 20	10·2	16 35	11·4	15 30	17·2	12 35	6·8	2 55	26·6	3 35	13·2	1 10	22·6	0 25
19	7·8	23 20	21·7	4 25	14·3	15 40	18·1	16 35	9·7	0 1	12·3	16 25	13·3	18 45	10·5	11 20	7·7	17 15	18·7	12 30	3·0	1 40	29·2	18 35
20	*(24·5)	10 0	17·2	13 50	11·5	12 35	14·8	15 55	17·8	10 5	14·2	12 55	10·3	19 20	13·4	15 35	8·8	12 55	23·5	20 10	8·6	13 15	30·7	8 40
21	18·8	15 20	14·3	15 20	15·6	14 50	12·6	15 10	13·7	11 15	17·1	10 30	13·4	8 45	14·3	15 50	5·4	3 5	24·0	1 0	9·6	12 35	25·5	8 5
22	14·9	15 20	8·7	0 50	18·6	11 20	15·1	13 30	12·6	24 0	16·1	5 45	7·3	8 40	13·1	9 0	13·6	11 40	14·2	23 35	4·7	20 50	21·7	0 10
23	18·5	6 20	15·5	13 25	15·5	22 45	15·1	13 45	17·1	22 5	13·3	4 45	21·2	22 50	18·7	16 40	6·2	14 10	20·2	10 45	3·0	2 45	15·3	20 15
24	11·4	20 40	20·0	16 50	17·8	3 10	21·5	21 55	23·1	20 45	9·9	15 5	25·7	13 45	20·7	13 40	6·5	12 30	27·2	22 45	2·6	23 25	18·2	16 45
25	18·5	7 10	12·2	0 35	12·7	13 55	22·1	8 20	18·4	0 35	8·4	19 20	23·2	8 20	14·0	1 50	19·4	8 50	21·2	1 15	3·7	2 20	20·3	5 35
26	9·5	23 55	19·2	8 45	16·8	18 50	18·9	16 55	9·3	13 45	7·8	19 35	13·4	15 25	5·6	11 10	†(<8·0)	†- -	34·4	21 25	6·4	8 40	9·2	0 20
27	22·1	22 30	11·7	0 15	15·4	0 15	16·2	2 55	16·2	11 55	6·5	15 10	9·8	14 25	5·7	12 45	19·7	13 55	38·7	2 20	8·7	22 50	7·8	17 5
28	17·1	0 25	18·6	23 10	10·3	15 25	15·4	12 10	16·4	20 5	7·1	12 55	12·7	12 25	9·2	13 20	13·3	3 0	20·8	0 35	13·3	23 5	8·4	20 50
29	12·8	14 50	21·5	4 40	16·5	19 0	12·0	23 5	18·9	0 15	9·5	7 40	14·2	19 30	12·6	21 45	4·8	11 10	14·0	11 35	25·7	22 55	13·8	15 30
30	14·2	14 5	-	-	20·8	14 5	10·3	15 40	19·7	10 25	12·8	15 30	15·7	22 20	23·0	22 40	8·3	10 35	7·5	23 20	28·2	18 20	25·0	23 25
31	8·2	22 35	-	-	18·3	14 25	-	-	13·2	7 35	-	-	25·2	14 35	16·7	0 10	-	-	10·0	13 5	-	-	28·0	5 10

* Anemometer head partly blocked with snow

† Velocity pen not marking properly

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

250 ESKDALEMUIR: h_a = 235 metres + 15 metres 1936

Month	DISTRIBUTION OF WIND SPEED								EXTREME VELOCITIES				
	More than 17·1 m/s		10·8 to 17·1 m/s		5·5 to 10·7 m/s	1·6 to 5·4 m/s	Less than 1·6 m/s.	No Record	Highest Hourly Wind			Highest Gust	
	Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer from N	Speed	Hour Ended	Speed	Date
		hr		hr	hr	hr	hr	hr	°	m/s	day hr	m/s	day h m
Jan.	9,10	4	9	37	178	300	225	0	230	22	9 24	36	9 22 40
Feb.	-	0	9	35	179	337	145	0	230	15	19 5	26	10 8 45
Mar.	-	0	5	25	216	319	184	0	20	15	1 4	25	1 16 35
Apr.	-	0	5	29	240	310	141	0	230	15	25 8	22	25 8 20
May	-	0	3	9	259	363	113	0	110	12	16 19	23	24 20 45
June	-	0	4	19	215	328	158	0	200	13	14 11	21	14 10 15
July	-	0	4	52	163	354	175	0	180	17	24 5	26	24 13 45
Aug.	-	0	5	8	222	366	148	0	290	13	30 23	23	30 22 40
Sept.	-	0	1	1	157	363	199	0	30	12	11 25	20	7 9 40
Oct.	17,26,27	5	11	64	204	274	197	0	290	19	27 3	39	27 2 20
Nov.	-	0	9	58	147	251	264	0	270	16	30 1	28	30 18 20
Dec.	3,13,15,16, 17,19,20,31	31	18	171	168	241	133	0	190	21	16 2	34	4 4 10
Year	13	40	83	508	2348	3806	2082	0	230	22	Jan. 9 24	39	Oct. 27 2 20

TEMPERATURE IN THE GROUND AT DEPTHS OF 30 CM. (1 foot) AND 122 CM. (4 feet)
Readings in degrees absolute, at 9h Greenwich Mean Time

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Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	76·0	79·1	74·8	78·0	75·0	77·2	79·2	78·2	80·6	78·9	82·7	81·2	87·2	83·1	86·4	84·3	87·4	85·1	84·7	85·1	81·0	83·2	78·2	80·9
2	76·2	79·1	74·8	78·0	75·0	77·2	79·5	78·3	80·8	79·0	82·9	81·2	87·2	83·3	86·8	84·3	87·4	85·1	84·5	85·0	81·2	83·2	78·2	80·9
3	76·2	79·1	74·8	77·9	75·0	77·2	79·5	78·4	81·2	79·1	82·9	81·2	87·4	83·3	86·6	84·3	87·6	85·1	84·4	85·0	81·2	83·1	78·3	80·9
4	76·3	79·0	74·8	77·9	75·0	77·2	79·0	78·5	81·5	79·1	82·7	81·2	87·3	83·3	86·3	84·3	87·6	85·1	84·0	84·9	81·2	83·0	78·7	80·9
5	76·1	79·0	74·7	77·9	75·0	77·2	78·9	78·5	81·7	79·3	82·6	81·3	87·2	83·5	86·3	86·3	87·6	85·1	83·9	84·8	81·3	83·0	78·3	81·0
6	76·3	79·0	74·8	77·9	74·9	77·2	78·5	78·5	81·6	79·3	83·1	81·4	87·2	83·6	86·2	84·3	87·5	85·1	83·7	84·8	81·2	82·8	78·0	81·0
7	76·7	79·0	74·8	77·9	75·0	77·1	78·4	78·5	81·6	79·4	83·3	81·4	87·6	83·5	85·9	84·3	87·2	85·1	83·3	84·8	81·0	82·7	77·8	81·0
8	76·8	78·9	74·8	78·0	75·5	77·1	79·0	78·6	81·7	79·4	83·3	81·3	87·8	83·6	86·3	84·3	87·1	85·1	83·1	84·7	80·9	82·7	77·3	80·9
9	77·0	79·0	74·8	78·0	76·0	77·1	79·3	78·6	82·0	79·6	83·3	81·4	87·4	83·7	86·5	84·3	87·0	85·2	83·0	84·6	80·7	82·7	77·0	80·9
10	77·6	79·0	74·9	77·8	76·1	77·1	79·4	78·7	82·2	79·7	83·9	81·4	87·5	83·7	86·7	84·3	87·1	85·2	83·1	84·5	80·0	82·7	77·0	80·9
11	77·8	78·9	74·8	77·9	76·2	77·1	79·5	78·7	82·6	79·8	84·1	81·5	87·3	83·9	87·0	84·3	87·1	85·2	83·1	84·4	79·8	82·6*	77·0	80·7
12	77·1	78·9	74·7	77·8	76·3	77·2	79·1	78·8	83·0	79·9	84·6	81·5	87·0	83·9	87·3	84·4	87·2	85·2	83·0	84·3	79·9	82·6*	77·2	80·4
13	76·6	78·9	74·6	77·8	76·2	77·2	79·0	78·8	82·8	80·0	84·4	81·6	86·9	84·0	87·3	84·4	87·2	85·2	83·1	84·3	79·9	82·5*	77·1	80·3
14	76·1	79·1	74·4	77·7	76·0	77·3	78·7	78·8	82·9	80·1	84·5	81·6	87·0	84·1	87·2	84·4	87·2	85·2	83·2	84·2	79·8	82·4*	77·2	80·2
15	6·0	79·1	74·4	77·7	75·9	77·2	78·4	78·8	83·1	80·1	84·1	81·8	87·1	84·1	87·2	84·6	87·3	85·2	83·5	84·1	79·7	82·4*	77·5	80·2
16	75·8	79·1	74·4	77·6	76·0	77·2	78·2	78·8	83·3	80·2	83·9	81·7	87·2	84·0	87·3	84·7	87·2	85·2	83·5	84·1	79·8	82·3*	77·4	80·1
17	75·6	79·3	74·4	77·6	76·0	77·3	78·2	78·9	83·4	80·3	84·0	81·8	86·9	84·1	87·7	84·7	87·2	85·2	83·9	84·0	79·8	82·2	77·0	80·1
18	75·4	78·9	74·4	77·6	76·4	77·3	78·0	78·9	83·2	80·4	84·2	81·9	86·7	84·2	87·3	84·7	87·2	85·2	83·4	84·0	79·7	82·1	77·8	80·1
19	75·2	78·8	74·3	77·5	76·9	77·3	78·0	78·8	83·6	80·5	85·0	82·0	86·9	84·1	87·2	84·8	87·2	85·2	82·9	84·0	79·4	82·0	78·1	79·9
20	75·0	78·7	74·4	77·3	77·4	77·3	77·8	78·8	84·2	80·5	85·6	82·0	86·9	84·2	86·8	84·7	87·0	85·2	82·4	83·9	78·8	81·9	78·1	80·0
21	75·0	78·7	74·3	77·4	78·0	77·5	77·8	78·7	83·9	80·7	85·9	82·2	86·9	84·2	86·8	84·7	86·8	85·2	82·2	83·9	78·5	81·9*	78·6	80·0
22	74·9	78·6	74·4	77·3	78·7	77·5	77·8	78·8	83·7	80·7	86·2	82·2	86·7	84·3	86·8	84·8	86·7	85·2	82·8	83·9	78·4	81·9	79·0	80·0
23	74·8	78·6	74·5	77·4	79·1	77·6	77·9	78·8	83·5	80·8	86·3	82·2	86·5	84·2	86·7	84·8	86·4	85·2	83·1	83·8	78·0	81·9	78·6	80·0
24	74·8	78·5	74·4	77·3	79·3	77·7	78·2	78·8	83·1	81·0	86·4	82·3	86·3	84·3	86·8	84·8	86·2	85·2	83·0	83·8	77·8	81·7	78·2	80·0
25	74·8	78·4	74·4	77·3	79·4	77·7	78·9	78·9	82·8	81·0	86·8	82·3	86·0	84·3	87·3	84·9	86·3	85·2	83·0	83·8	77·5	81·6	78·5	80·1
26	74·9	78·5	74·4	77·2	79·0	77·8	79·5	78·9	83·0	81·1	87·1	82·4	85·8	84·3	87·6	84·8	85·8	85·2	82·4	83·8	77·3	81·4	78·8	80·1
27	74·9	78·4	74·6	77·2	78·6	77·9	80·0	78·9	83·3	81·1	87·3	82·7	85·9	84·3	87·8	84·8	85·5	85·2	82·0	83·8	77·3	81·4	78·6	80·1
28	74·8	78·3	74·6	77·2	78·5	77·9	80·3	78·9	83·1	81·1	87·7	82·8	86·3	84·3	88·0	84·8	85·1	85·1	81·6	83·8	77·2	81·3	78·4	80·0
29	74·8	78·2	74·7	77·2	78·6	78·0	80·4	79·0	83·2	81·1	87·8	82·9	86·3	84·3	87·9	84·9	84·4	85·1	80·9	83·6	77·3	81·2	77·9	80·0
30	74·8	78·2	-	-	78·8	78·1	80·2	79·1	83·0	81·1	87·4	83·0	86·5	84·3	88·0	85·0	84·2	85·1	81·1	83·4	78·0	81·1	77·6	80·1
31	74·8	78·1	-	-	79·1	78·2	-	-	82·9	81·1	-	-	86·4	84·2	87·6	85·0	-	-	81·3	83·4	-	-	77·7	80·1
Mean	75·8	78·8	74·6	77·6	76·9	77·4	78·9	78·7	82·7	80·2	84·8	81·8	86·9	84·0	87·0	84·6	86·8	85·2	83·0	84·2	79·5	82·3	77·9	80·4
																					Year		81·5	81·5

* Values obtained from Fahrenheit thermometer, water affecting Absolute thermometer
The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h to 7h G.M.T.
Readings in degrees absolute

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Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·0	75·4	72·7	73·2	67·1	70·1	78·9	80·0	75·9	79·9	72·9	73·5
2	72·3	73·2	71·9	75·3	67·5	75·6	83·9	83·2	84·0	79·9	74·7	75·6
3	72·4	65·5	63·5	73·7	69·7	75·9	83·5	82·4	86·9	69·6	76·9	73·6
4	72·1	62·2	63·7	69·0	73·3	77·2	82·1	79·7	83·8	67·5	75·1	74·7
5	70·6	63·3	72·0	67·2	77·2	71·2	82·1	76·7	84·4	78·1	74·9	72·9
6	75·2	70·7	73·0	63·4	79·1	81·0	83·4	78·0	82·3	68·1	73·0	66·8
7	76·3	71·8	73·2	70·3	79·8	79·3	85·3	72·3	83·6	66·9	73·7	63·2
8	74·4	62·7	77·2	75·4	78·4	71·0	82·4	79·9	81·4	67·0	76·2	68·7
9	77·4	67·8	74·5	(73·0)	75·8	76·1	73·2	84·9	75·5	77·5	72·7	66·8
10	76·1	71·1	73·7	65·2	75·0	78·3	77·3	71·7	85·6	74·9	65·4	73·7
11	72·5	64·8	70·3	72·5	72·3	74·7	77·3	81·0	85·6	72·3	72·4	71·7
12	67·0	63·8	67·3	71·2	74·0	80·8	82·4	84·2	86·7	73·9	75·7	73·2
13	70·1	58·4	68·3	73·0	69·2	78·7	83·8	74·7	81·2	78·1	75·2	68·2
14	63·6	68·9	72·3	73·0	69·9	72·2	81·9	83·5	79·8	77·3	73·0	75·6
15	62·7	70·0	72·4	71·9	78·9	72·3	81·5	86·7	81·5	82·2	71·6	70·6
16	61·9	62·5	66·1	68·2	79·7	75·8	83·1	85·7	82·2	79·8	74·6	75·1
17	64·4	67·1	77·0	65·4	79·2	83·0	76·9	85·2	82·5	81·3	77·1	74·0
18	63·2	74·9	73·2	65·1	83·2	75·0	85·4	72·7	78·8	77·0	75·1	78·0
19	58·8	75·8	75·3	67·1	80·3	82·9	84·4	80·6	81·0	74·5	67·4	73·1
20	66·1	73·6	74·7	64·7	78·1	83·7	84·5	75·3	83·7	72·0	65·9	79·3
21	72·8	71·3	77·4	62·1	70·6	81·2	76·9	81·1	79·5	81·7	71·7	79·8
22	64·2	73·6	78·9	67·1	74·8	82·8	74·1	76·7	76·4	84·5	64·6	75·5
23	65·5	73·0	78·8	62·5	77·3	85·0	77·3	79·6	72·1	81·6	63·8	69·3
24	67·8	73·7	75·2	74·6	78·8	82·9	83·4	87·9	78·8	73·5	64·8	76·1
25	70·3	73·1	75·0	78·9	78·3	84·9	82·6	87·3	84·6	75·4	71·8	78·5
26	73·7	72·8	75·7	77·0	76·3	83·7	79·2	84·7	74·4	72·8	67·2	75·7
27	74·0	72·2	76·4	76·7	81·4	81·1	72·1	78·0	77·4	74·5	72·5	74·3
28	72·9	71·2	77·0	77·0	69·1	80·9	79·9	73·9	71·4	73·1	68·7	68·1
29	72·3	73·1	72·9	74·7	79·6	81·7	76·3	77·0	67·8	66·9	68·7	72·4
30			79·9	71·8	76·4	83·5	74·1	85·0	79·9	80·0	80·1	67·6
31	74·9		74·1		67·5		84·2	82·6		69·9		79·7
Mean	70·0	69·5	73·4	70·6	75·4	78·7	80·4	80·4	80·0	75·2	71·9	73·1
											Year	74·5

Notes. - (1) The initial 2 or 3 of the readings is omitted, i.e., 275·0 is written 75·0
(2) The minimum refers to the interval from 18h the previous day to 7h on the day to which it is entered

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Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Ast	Frnb:Nbst	Frst:Stcu:Ast	9	10	10	10	10	10	I	G	I	I	j	G	...	●°	●	...	...	d	c, ●°, ✱, ● *a* : c●, ●°m$_e$ *p* : c, odm$_e$, ● *n*.
2	Fog	Frst:Stcu	Stcu	10	9	9	9	9	9	E	G	j	j	I	I	...	...	...	...	...	...	f, cm$_e$ *a* : c, cm$_e$ *p* : cm$_e$⌓ *n*.
3	Stcu	Cu:Stcu:Acu	Stcu	9	7	6	7	5	9	j	I	j	j	F	G	...	p●°	...	...	...	...	cp●°, bc *a* : bc, bcm *p* : bcm, cm$_e$ *n*.
4	Stcu	Cu: Ci	Stcu	2	1	3	8	7	10	j	k	k	j	j	j	...	...	...	...	...	p●°	b⌊, bc *a* : c, bc⌊ *p* : bc⌊, cp●° *n*.
5	Nbst	Frnb:Nbst	Frnb: Nbst	10	10	10	10	10	10	i	G	I	I	I	I	✱°	✱	●	●°	●°	●°	⊠c✱°, ✱, ●m$_e$ *a* : c●, ●°m$_e$ *p* : c●°m$_e$ *n*.
6	Frst: Ast	Frst:Stcu:Ast.	Frnb	10	9	10	7	10	10	i	k	I	I	I	I	...	...	●°	...	●	●°	c, c●°m$_e$ *a* : c●°, ●m$_e$ *p* : c●, ●°m$_e$ *n*.
7	Frst: Ast	Frst:Ast:Cist	Frst	10	10	9	4	9	9	i	I	j	j	h	h	...	...	...	...	...	...	cm$_e$, c *a* : bc, cm$_e$⌓ *p* : cm$_e$⌓, bc *n*.
8	Stcu: Ast	Frst:Nbst:Ast	Nbst	10	10	10	10	10	10	i	j	j	I	h	E	...	...	...	●°	●°	●°	cm$_e$, c *a* : c, o●, ●°m$_e$ *p* : o●°, f● *n*.
9	Frnb: Ast	Frnb: Ast	Frnb:Ast	10	10	10	10	10	10	g	h	h	h	G	h	●°	●	...	●	●²	●	c●, i●°m$_e$ *a* : ci●, ●²m$_e$ *p* : ci●², ●m$_e$⌿ *n*.
10	Frnb	Frnb: Ast	Stcu	10	10	10	9	9	9	h	h	j	l	l	j	●	●	●°	...	...	...	i●²⌿ early, c●, ●²⌿, ●° *a* : c●°, c *p* : c, o✱ *n*.
11	Cu: Stcu	Frcu:Cist:Ci	Cu	1	5	2	4	2	2	l	l	k	k	k	k	...	...	...	...	...	...	✱ early, b, cp✱° *a* : b, bc *p* : b, b⌊ *n*.
12	Stcu	Cu:Stcu:Ci	St:Stcu	9	2	7	5	5	4	j	l	k	k	j	j	✱°	...	...	...	...	...	ci✱°, b, bc *a* : bcp✱° *p* : bc, bc⌊ *n*.
13	Frnb:Nbst	Cu: Ci	Cu	10	7	1	2	1	0	I	j	k	k	l	l	✱	...	...	...	...	...	c✱, i●°, b *a* : b, b⌊ *p* : b⌊ *n*.
14	----	Ci	----	0	1	1	1	0	0	k	l	k	j	j	j	...	...	...	...	...	...	b⌊, by *a* : by, b⌊ *p* : b⌊ *n*.
15	Ci	Cist	Cist	2	7	9	8	7	10	k	k	k	l	I	j	...	...	...	...	...	...	b⌊, c⊕ *a* : c⊕, bc⌊m$_e$ *p* : bc⌊m$_e$, c⌊ *n*.
16	St: Frst	Fog	St: Stcu	10	10	10	10	10	7	I	G	D	E	h	k	✱°	...	...	...	...	...	c✱°, d$_e$, of *a* : of, cm$_e$ *p* : cm$_e$, bc⌊ *n*.
17	Ci	Frst:Acu:Ci	Nbst	2	6	3	9	10	9	l	l	k	k	F	h	...	...	...	...	✱	...	b⌊, bc *a* : bc, o✱m *p* : ✱, b, cm$_e$ *n*.
18	Stcu	Cu:Ci	Cu: Ci	1	1	2	4	2	1	k	l	l	l	j	j	...	...	...	...	...	...	⊠b *a* : b, bc *p* : b, b⌊ *n*.
19	St	Cist:Ci	Cist	2	2	8	9	10	10	j	j	j	j	k	k	...	...	...	...	...	...	⊠b⌊, c⌊ *a* : c⌊⊕ *p* : c⌊ *n*.
20	Nbst	Nbst	Nbst	10	10	10	10	10	10	E	E	E	F	F	F	✱	✱	●°	✱°	✱°	✱°	⊠c✱f⊹, ●°f *a* : o●°, ✱°m *p* : o✱°m$_e$ *n*.
21	Stcu	Nbst	St: Stcu	9	9	10	9	9	0	k	j	h	j	I	i	...	...	✱°	✱°	...	...	⊠ 16 cm. c, p✱°, ✱°m$_e$ *a* : c✱°, i✱°z$_e$ *p* : cz$_e$ bcz$_e$⌊ *n*.
22	St: Stcu	Stcu	St: Stcu	10	10	9	9	10	10	G	h	h	h	h	f	...	...	...	...	✱°	✱°	⊠ 13 cm. om$_e$, cm$_e$ *a* : cm$_e$, c✱°m$_e$ *p* : c✱°m$_e$ *n*.
23	Stcu	Frcu: Stcu	Stcu:Ast:Ci	1	4	1	3	7	2	j	j	k	j	h	h	...	p●°	...	...	...	...	⊠ 16 cm. bcp●°, b *a* : bcp✱, bcm$_e$ *p* : bcm$_e$, bm$_e$ *n*.
24	Nbst	Nbst	Ci	10	10	10	7	5	10	E	E	F	j	h	h	✱°	d$_e$	d$_e$	...	...	...	⊠ 16 cm. o✱°, d$_e$, f, d$_e$m$_e$ *a* : o, bcm$_e$ *p* : bcm, cm$_e$ *n* : ♕
25	St: Stcu	St: Ast	Nbst	10	10	10	10	10	10	I	h	h	h	g	g	●°	●°	...	...	●	●	⊠c●°q, ●°m$_e$ *a* : p●°, c●m$_e$ *p* : c●², ●m$_e$ *n*. [1900.
26	Fog	Fog	St: Frst	10	10	10	10	9	10	D	D	D	G	G	C	...	d	...	...	...	...	⊠ofe, fd *a* : ofe, d$_e$f, cm$_e$ *p* : cm$_e$, oFe *n*.
27	Frnb: Nbst	St: Frst	St: Frst	10	10	10	10	9	10	I	I	I	I	I	i	●	●	...	●°	...	●°	⊠c●m$_e$, cm$_e$ *a* : ci●°m$_e$ *p* : ci●°m$_e$ q *n*.
28	St:Stcu:Cist	Frnb	Frst:Stcu	9	10	9	6	6	10	i	I	h	k	k	D	...	✱	✱°	...	...	...	c✱, ✱, ✱°m$_e$ *a* : c✱°, bc *p* : bc, ofe *n*.
29	Frst:Stcu:Cist	Frnb:Ast	St:Stcu:Cist	9	9	10	8	9	10	j	I	I	I	I	I	...	...	i●°	i●°	...	...	c, i●°m$_e$ *a* : ci●°m$_e$ *p* : cm$_e$▯ *n*.
30	Frst: Stcu	St: Frst	St: Frst	10	10	10	9	10	10	G	D	I	I	F	G	...	d$_e$	...	●°	...	●	c⌊, d$_e$f, cm$_e$ *a* : ci●, *p* : c●°, ●m$_e$ *n*.
31	St	St: Frst	St	10	10	10	5	10	10	F	D	G	h	E	E	...	...	...	...	...	...	om, fe, cd *a* : bc, of *p* : cm, of●² *n*.
Mean Cloud Am'nt.				7-6	7-7	7-7	7-5	7-7	7-7													

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Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St	Frst: Ast	Frst	10	10	10	10	10	10	f	F	h	h	h	I	...	...	d$_e$	d$_e$	●	●	om, cd$_e$m$_e$ *a* : cd$_e$●m$_e$ *p* : c●, o●m$_e$ *n*.
2	St:Stcu:Ci	Cu: Stcu	Stcu	7	2	1	2	7	1	i	j	j	l	l	l	...	...	...	...	...	...	bcm$_e$, b *a* : bcp✱°, bc *p* : bc, b⌊ *n*.
3	Nbst	Cu: Frcu	Stcu	8	2	1	1	1	0	j	k	k	l	k	k	✱°	...	...	...	...	...	c✱°, b⌊, b *a* : b, b⌊ *p* : b⌊ *n*.
4	----	Ci	Acu: Ci	0	1	2	3	7	8	m	l	k	k	h	h	...	...	...	...	...	...	b⌊, b *a* : b, bcm$_e$⌊ *p* : bc, c⌊m$_e$▯ *n*.
5	St: Ast	Stcu:Acu:Cist	Frst: Stcu	10	10	10	9	8	9	h	l	k	h	E	F	...	...	...	...	...	...	c⌊, c *a* : cm$_e$ bcf *p* : cf, m *n*.
6	St: Ast	Stcu:Acu:Cist	St:Stcu:Cist	9	9	9	9	7	10	g	h	h	G	G	g	...	...	...	...	...	...	bc, c⌊m$_e$ *a* : cz$_e$, bcm$_e$ *p* : bc, cm$_e$▯ *n*.
7	St: Ast:Cist	St: Ast	St: Stcu:Ast	9	9	10	9	8	7	g	h	h	I	h	h	...	...	...	...	...	...	cm$_e$, cz$_e$y *a* : cz$_e$y *p* : cy, bcz$_e$▯ *n*.
8	Ci	Acu(lent): Ci	Stcu:Ast:Acu	1	1	3	1	6	5	k	k	k	k	I	I	...	...	...	...	...	...	b⌊, bcy *a* : by, bc⌊ *p* : bcz$_e$, bcm$_e$ *n*.
9	Acu	Stcu:Acu:Ci	Stcu:Ast:Acu	4	7	7	6	6	8	j	l	m	m	m	i	...	...	...	...	...	...	bc⌊, bc *a* : bc, bcy *p* : bc, cid$_e$ *n*.
10	St:Stcu	Frcu	Stcu	5	6	1	1	4	1	j	k	j	k	j	k	...	...	...	...	...	...	bc, by *a* : by, bc *p* : bc, b *n*.
11	Stcu	----	----	1	1	0	1	0	0	k	k	j	j	I	I	...	...	...	...	...	...	b⌊, by *a* : by, bz$_e$ *p* : bz$_e$ *n*.
12	Acu	----	----	1	0	0	0	0	0	j	j	I	I	I	I	...	...	...	...	...	...	b⌊, bz$_e$ *a* : bz$_e$, bm$_e$ *p* : bm$_e$⌊ *n*.
13	Ci	Ci	Acu:Ci	2	7	7	8	9	10	I	j	I	h	E	F	...	...	...	...	...	...	b⌊m$_e$, bcz$_e$ *a* : bcz$_e$, cf⌊ *p* : cf, om⌊ *n*.
14	Stcu:Ast:Acu	Stcu: Ast	St: Stcu:Ast	9	9	10	10	10	8	I	j	j	j	I	I	...	...	...	...	...	...	cm$_e$⌊, cy *a* : cy, cz$_e$ *p* : cz$_e$ *n*.
15	St: Stcu	Stcu	Stcu:Cist:Ci	9	9	9	8	8	8	h	h	h	h	G	h	...	...	...	...	...	...	cm$_e$, cz$_e$ *a* : cz$_e$⊕ *p* : cz$_e$, cm$_e$⌊ *n*.
16	St	St	St	10	10	10	9	10	10	G	D	E	G	D	D	...	...	...	...	...	...	om$_e$⌊, ofeV *a* : fe, cm$_e$, ofV *p* : ofe *n*.
17	Stcu	Frnb: St	St: Frst	9	10	10	10	10	10	h	I	I	I	h	i	...	...	●°	...	...	...	cm$_e$i✱°, ●°m$_e$ *a* : c●°, cm$_e$ *p* : ci●, cm$_e$ *n*.
18	Frnb: Nbst	St: Frst	Stcu: Nbst	10	10	10	3	9	10	I	I	h	I	h	h	●	●	...	...	...	●	c●, i●, cm$_e$ *a* : bcp●², cm$_e$ *p* : c, c●m$_e$ *n*.
19	St	Nbst	Frst: Frnb	10	9	10	10	10	10	I	I	h	I	h	h	...	...	✱	...	...	...	bc, c✱m$_e$ *a* : c✱, ✱, cm$_e$ *p* : cm$_e$ *n*.
20	Frst: Stcu	Cu: Stcu:Ci	Cu:Stcu	10	9	4	3	8	7	k	k	k	l	h	h	...	...	...	...	...	...	c, bc *a* : bc, cm$_e$ *p* : c, bcm$_e$ *n*.
21	St	Nbst	Nbst	10	10	10	9	10	10	F	I	G	h	h	g	✱	...	●	...	●°	●	⊠o✱, ✱, ●m$_e$ *a* : c✱, cm$_e$ *p* : c✱, ●², ●m$_e$ *n*.
22	Frnb: Nbst	Stcu	Stcu	9	10	10	10	10	10	G	E	j	k	k	j	●°	...	...	...	...	...	of, i●°, c *a* : c *p* : c, c● *n*.
23	Nbst	Stcu: Ast:Acu	St	10	9	9	10	10	10	G	h	l	j	h	h	✱°	✱°	...	...	d$_e$	...	⊠c✱°, ✱, c *a* : c✱, ●°, d$_e$m$_e$ *p* : cd$_e$m$_e$, cm$_e$ *n*.
24	St	Frst: Stcu	St: Frst	10	10	8	8	9	10	h	h	I	j	j	j	d$_e$	d$_e$	●°	...	...	...	od$_e$c●°m$_e$ *a* : c●°, cid$_e$ *p* : c *n*.
25	Frst: Stcu	Cu: Ci	Stcu: Ci	9	10	6	10	7	10	j	j	k	l	j	j	✱°	...	...	...	...	...	c✱°, bc *a* : cy, bc *p* : bc, c✱°*n*.
26	St	Frnb	Cu: Stcu	10	10	10	9	9	5	h	E	j	j	I	j	...	...	i●	i●°	...	p●°	ofe, ci●q *a* : ci● *p* : c●q, bcp●°q *n*.
27	St	Frst: Stcu	Frst: Stcu	10	10	9	10	9	10	G	h	j	I	I	h	✱°	✱°	p●°	●	...	...	oi✱°, cp●° *a* : ci●, i✱m$_e$ *p* : cm$_e$ *n*.
28	Frst: Stcu	Nbst: Ast	Nbst	7	7	10	10	10	10	j	I	h	h	G	h	...	...	●	✱	✱°	✱°	bc, ci●m$_e$ *a* : c●, ✱°m$_e$ *p* : c✱, ✱°m$_e$ *n*.
29	Frnb: Nbst	Frnb: St	Nbst	10	10	10	10	10	10	G	G	h	I	h	F	✱°	✱°	✱°	✱°	✱°	✱°	c✱°m$_e$ *a* : c✱°, ✱°m$_e$ *p* : o✱°m$_e$ *n*.
Mean Cloud Am'nt.				7-6	7-5	7-1	8-0	7-7	7-5													

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

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Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Frnb: Nbst	Frst: Nbst	Frst: Ast:Ci	10	10	10	10	7	9	F	F	h	h	j	I	✱	✱	✱°	✱°	...	✱°	⊠, c✱, o✱°m_e a : o✱°m_e ≡, bcq p : bcq, c✱°m_e n.
2	Frst: Stcu:Ci	Cu: Stcu	Stcu	5	1	4	2	1	2	l	k	k	l	l	I	...	...	...	...	...	...	⊠, b, bc a : bc, b p : b, b⌴m_e n.
3	St:Stcu	St: Frst: Stcu	Stcu	9	9	9	9	7	1	k	j	j	l	l	j	...	...	✱°	...	...	...	c⌴, ci✱° a : c, bc p : bc, b⌴ n.
4	Stcu:Ci	Frst: Ast	Nbst	2	8	10	10	10	9	I	G	h	h	h	j	...	...	✱°	✱	✱	...	b⌴, c✱°m_e a : c✱°, o✱m_e p : o✱, ✱°m_e, c n.
5	Frst	Frst	Frst:Stcu:Ci	9	9	9	9	9	9	I	I	j	k	k	j	...	✱°	i✱°	...	...	✱°	c✱°, i✱° a : ci✱, bc, c p : c✱, i✱° n.
6	Frst: Nbst	Cu: Stcu	Cu:Frcu:Ci	6	8	9	4	8	9	h	I	l	l	l	l	...	...	...	...	...	...	bcm°, cp●° a : cp●° ⌒, bc p : cp●°, c n.
7	St: Stcu	Nbst	Nbst	9	10	10	10	10	10	I	h	h	G	G	h	...	●°	●	●	●	...	cm$_e$, ●°, ●m_e a : c●, i●°m_e p : c●, cm$_e$ n.
8	St: Frst	Frst: Stcu	Frst: Stcu	10	10	10	10	10	10	h	G	G	I	I	h	...	d$_e$	d$_e$	...	...	●°	cm$_e$, cd$_e$$m_e$ a : cd$_e$$m_e$, cm$_e$ p : cm$_e$, c●°m_e n.
9	Frnb:Ast	Nbst	Frst: Nbst	10	10	10	10	10	10	I	I	F	G	h	h	●°	●	✱	✱	✱°	✱°	c●, o✱mq a : o✱, ✱°m_e p : c✱°m_e n.
10	St	Frst	Frst	10	10	9	10	9	10	I	I	I	I	I	I	...	...	...	...	...	...	om$_e$, cm° a : cm$_e$ p *and* n.
11	Stcu	Stcu	Stcu	10	9	7	6	4	2	l	l	k	k	k	k	...	...	...	...	...	...	c, bc a : bc p : bc, b⌴ n.
12	Stcu	Stcu	Frst: Stcu	9	8	10	10	10	10	j	k	k	k	k	j	...	...	...	...	...	...	c⌴, c a : c, cy p : c n.
13	Stcu	Stcu	Stcu	10	10	10	10	10	10	j	j	k	l	k	k	...	...	...	...	...	...	c⌴, c a : c p : c, ci✱° n.
14	Stcu	Stcu	Stcu	10	10	10	10	10	10	l	j	j	j	j	j	...	...	...	...	...	...	o, c a : c p *and* n.
15	Stcu	Stcu	Stcu: Ci	9	10	9	9	6	4	h	h	j	I	l	k	...	...	...	...	...	...	cm$_e$, cp●°, a : cm$_e$, bc p : bc, bc⌴ n.
16	Stcu:Ast:Acu	St	Fog	10	10	10	10	10	10	j	I	h	h	G	E	...	...	d$_e$	d$_e$	...	...	c⌴, ◊, od$_e$$m_e$ a : odm$_e$, oFe p : oFe, fe n.
17	St: Frst	Frst: Stcu	Frst: Stcu	10	10	10	10	9	7	h	h	h	j	j	j	d$_e$	d$_e$	d$_e$	d$_e$	...	...	od$_e$, cd$_e$$m_e$ a : cid$_e$$m_e$, c p : c, bc n.
18	Stcu	Stcu	Stcu:Ci	9	10	10	9	7	9	h	h	j	j	I	g	...	...	...	...	...	...	cm$_e$, i●°, c a : c, bcm$_e$ p : bc, cm$_e$ n.
19	Frst:Cist:Ci	Stcu:Acu:Ci	Stcu: Acu:Cist	7	6	7	7	9	1	G	h	h	j	g	g	...	...	...	...	...	...	bc⌓m_e a : bcm$_e$, cm$_e$ p : c, bm$_e$ n.
20	Stcu	Stcu	Nbst	8	9	9	10	10	10	h	I	j	j	F	g	...	●°	...	...	●²	●²	ci●°, cm$_e$ a : c●, ●²↾ p : ↾●, c●²m_e n.
21	Frst:Stcu	Cu: Stcu	Stcu	5	2	7	7	10	10	I	j	k	j	j	j	...	...	...	...	...	...	bcm$_e$, b a : bcp●°, c p : c●, i●²q, ≺, c n.
22	Frst:Ast:Acu	Stcu: Acu:Ci	Stcu: Ast:Acu	10	9	7	9	10	8	I	j	j	j	j	j	...	...	...	...	...	...	cm$_e$, c⊕, bcy a : bcy, c p : c, bc, n.
23	Frnb: Ast	Frst:Stcu:Ast	Stcu: Ci	10	9	10	10	4	10	I	I	k	k	k	j	●°	...	i●°	...	...	...	c●, i●° a : ci●°, bc p : bc, cq● n.
24	Acu:Cicu:Ci	Cu: Stcu: Ci	Stcu: Acu:Ci	4	5	7	7	7	4	j	j	k	j	j	j	...	...	...	...	...	...	bc⊕, bcy a : bcy, bc p : bc n.
25	Fog	St	Fog	10	10	10	9	10	10	E	F	G	I	E	F	...	...	...	...	...	d$_e$	of, om$_e$ a : cm$_e$ ofe p : ofe, od$_e$$m_e$ n.
26	St	St	St	10	10	10	10	10	10	I	F	G	h	I	I	...	...	...	...	...	●°	oid$_e$, om$_e$ a : om$_e$ p : o, c●°m_e n.
27	Frnb: Nbst	Frnb	St: Stcu	10	10	10	9	9	10	I	I	h	h	h	h	●	●	●	...	...	...	c●, i●m_e a : c●°, bcm$_e$ p : cm$_e$ n.
28	St: Stcu	Frst: Stcu	Cu:Stcu: Ci	9	10	10	8	6	1	I	h	h	I	j	j	...	...	...	...	...	...	cp●, cm$_e$ a : cp●°, bc p : bc, b n.
29	St: Ast	Frnb: Nbst:Ast	Frnb: Ast	10	10	10	10	10	10	i	h	h	h	h	h	...	●	●°	●	●°	●°	c●, ●°m_e a : c●°●m_e p : ci●°, i●m_e n.
30	Nbst	Nb: Nbst: Ast	Frst: Cu:Stcu	10	10	10	8	9	7	i	i	h	I	l	k	●°	●°	●°	p●°	p●°	...	ci●, i●°m_e a : c●°, bc, p●° p : c, b, c●° n.
31	Nbst	Frst: Nbst	Cu: Stcu	10	10	9	8	3	1	E	G	h	l	m	l	●	...	●²	...	p●°	...	c●f, bc, c●² a : bc, p●²▲² ⌒ p : bcp●°, b n.
Mean Cloud Am'nt.				8·7	8·8	9·1	8·5	8·2	7·5													

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1	St: Stcu	Cu: Acu: Ci	Stcu: Ast	9	9	8	9	10	10	k	k	l	m	j	j	...	...	...	...	...	...	c⌓, bc a : c p : c𝕎, c𝕎 n.
2	St	Cu: Stcu: Ast	Stcu:Ast: Acu	10	9	9	9	9	9	h	j	k	k	l	k	...	...	...	...	...	...	od$_e$, ●°, c a : c p *and* n.
3	Frst: Stcu	Cu: Stcu	Stcu: Ci	10	10	9	5	1	1	j	k	j	j	j	j	...	...	...	...	...	...	c a : c, bc p : bc, b n.
4	Stcu	Cu	—	5	2	1	0	0	1	l	k	j	j	j	j	...	...	...	...	...	...	bc, b a : b p *and* n.
5	Stcu	Stcu	Stcu	1	5	9	6	2	0	l	l	k	k	l	l	...	...	...	...	...	...	b⌴, bc, c a : bc, b p : b n.
6	Stcu: Acu:Ci	Acu: Cist	Frst:Stcu:Ast	6	5	7	9	9	10	l	l	j	I	I	h	...	...	...	...	...	●°	bc⌴, c⊕ a : cp●°, cm$_e$ p : bc, c●°m_e n.
7	Stcu: Ci	Cu: Ci	Stcu: Ci	7	4	5	5	2	10	l	l	l	l	j	h	...	...	...	...	...	...	bc a : bc, b p : b, bcm$_e$ n.
8	Stcu:Ast:Acu	Stcu	Stcu	9	9	10	10	10	10	I	I	h	h	h	h	...	...	...	...	...	...	cm$_e$, cz$_e$ a : cz$_e$ p *and* n.
9	Stcu	Frcu:Stcu:Ci	Frcu	7	2	7	6	1	0	l	l	k	k	k	k	...	...	...	...	...	...	bc, by a : bcy, by p : by, b n.
10	Ci	Cu: Stcu:Ci	Cu: Acu: Ci	6	2	9	9	9	2	l	l	j	j	j	j	...	...	...	...	...	...	bc⌴, by, cy a : cy, c p : cp●°, b n.
11	Frst: Stcu	Cu: Stcu	Stcu	9	9	6	5	5	6	l	l	l	l	l	l	...	...	p●°	p●	...	...	cy, p●°y a : bcy, p● p : bc, p✱° n.
12	Frst: Stcu	Cu: Stcu	Stcu: Ci	9	4	6	7	7	6	j	m	l	l	m	l	...	...	...	p▲°	...	...	⊠ 1 cm. c, bcy, p✱▲° a : bcp▲°, p✱°q p : bc n.
13	Frnb	Cu: Stcu	Cu: Stcu	10	9	6	9	8	10	I	h	l	l	l	k	✱°	✱°	...	✱▲	p✱°	...	⊠ 1 cm. c✱°, ✱°, p✱▲ a : cp✱▲, p✱° p : [cp✱▲, c✱ n.
14	Ast: Acu	St: Stcu:Ast	St: Stcu: Acu	9	10	10	9	9	5	j	j	j	k	k	k	...	✱°	...	...	...	...	ci✱°, i●° a : cp●°, p✱° p : c, bc n.
15	Stcu	Cu: Stcu	Cu: Stcu	5	4	6	5	5	2	k	l	l	l	l	l	...	...	...	...	...	...	bc, bcy a : bcy, p✱°▲° p : bcy, b n.
16	Frst: Ast:Ci	Cu: Acu: Ci	Cu: Stcu	9	10	7	5	5	2	j	I	l	l	l	l	p✱°	✱°	...	...	...	...	cp✱°, ✱°, bcy a : bcy, p✱° p : bc, b⌓ n.
17	Stcu	Cu: Frcu	Cunb: Cu: Anci	2	4	7	5	4	3	j	l	l	l	l	l	...	...	...	p✱°▲°	...	...	b⌴, bcy a : bcp✱°▲° p : bcjpy n.
18	Stcu: Acu	Cu	Cu	7	9	9	6	1	2	k	h	l	l	l	l	...	✱°	p●°	p●°	...	...	bc⌴, c✱, i✱° a : p▲°, cp●° ⌒, b p : bcp●°, [p✱°, b n.
19	Cu: Stcu	Cunb: Cu	Cunb: Anci	1	2	7	9	5	1	m	m	m	l	m	m	...	...	p✱°	p✱°▲°	...	...	b⌴, bcp✱°y a : bcp✱°y, p✱°▲°q p : bcy, q, b n.
20	—	Cunb:Anci	Cunb: Anci	0	2	7	5	7	3	l	l	l	l	l	l	...	...	p✱°▲°	...	...	...	b⌴, bcp✱°▲°y a : bc, p✱q p : cp✱, bc n.
21	Cist: Ci	Cu: Cunb: Ci	Stcu: Cist:Ci	2	6	7	9	8	8	k	m	m	k	j	j	...	...	...	...	...	...	b⌴, bcy a : bcy, cy p : cy, c n : 𝕎 2215–2315.
22	Frst: Stcu	Cu	Cu	1	1	7	5	1	3	m	m	m	m	m	l	...	...	...	...	...	...	b⌴, bcjpy a : bcjpy, p : by, bc n : 𝕎 2315–2345.
23	Ci	Cu: Cist: Ci	Frst: Nbst	2	2	7	9	10	10	k	j	l	l	I	h	...	...	...	...	●°	●	b⌴, bcy a : bcy, c●°m° p : c●°, o●m_e n.
24	Nbst	Cu: Acu: Ci	St.	10	10	9	9	10	10	g	h	k	j	G	G	●°	...	...	●°	d$_e$	●	od, ●°c a : bc, c●°, od$_e$$m_e$ p : od$_e$, ●m_e n.
25	Cu: Stcu: Ci	Cu: Stcu:Ci	Cu: Stcu:Ci	7	9	9	9	9	10	I	j	j	j	j	h	...	...	...	...	...	...	bcm$_e$, c a : c p : cp●°, om$_e$ n.
26	St: Stcu	Frnb: Cu: Ci	Frnb: Cu	9	9	8	8	6	8	j	j	j	l	l	k	...	p●	...	p●	...	...	c, cp● a : cp●, bc p : bc, c n.
27	Cu: Stcu	Cu: Stcu	Stcu:Acu:Ci	9	8	8	8	5	9	k	k	l	l	l	k	...	...	p●°	...	...	...	c, cp●° a : cy, bc p : bc, c n.
28	St: Frst	Frnb: Nbst	Frnb:Nbst	10	10	10	10	10	3	j	j	I	h	h	j	...	...	●	d	●	...	c, cd$_e$$m_e$, ●$m_e$ a : c●, d, ●m_e p : ci●, bc n.
29	Frnb: Nbst	Stcu	Stcu	10	9	9	10	8	2	I	j	k	k	k	k	i●°	...	...	...	...	...	ci●°m_e, c a : c p : c, b n.
30	Frcu	Cu: Stcu	Cu	1	4	7	7	2	5	l	l	l	l	l	l	...	...	...	...	...	...	b⌓, bcy a : bcy, by p : by, bc n.
Mean Cloud Am'nt.				6·4	6·3	7·5	7·4	6·1	5·4													

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

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Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Acu: Ci	Cu:Stcu:Ci	Frst:Cist:Ci	2	1	6	10	9	1	l	l	k	j	j	j	...	...	...	...	...	...	b⊕, bcy *a* : bcy⊕, cy *p* : cy, b␣ *n*.
2	Acu	Cu	—	1	1	2	1	0	7	j	I	I	I	I	h	...	...	...	...	...	...	b␣, bz_0 *a* : bz_0 *p* : bz_0, bcz_0 *n*.
3	Ci	Cu: Ci	Cu:Stcu	1	1	1	1	1	1	j	l	j	j	k	I	...	...	...	...	...	...	b, by *a* : by *p* : by, b△ *n*.
4	Frst:Stcu	Cu:Stcu	Cu: Stcu:Ci	8	7	6	9	1	9	j	k	l	l	l	j	...	...	...	...	...	...	c, p●°, bc *a* : bc, c, b *p* : b, c *n*.
5	Frst:St	Frst	Frst:Stcu	10	10	9	9	10	10	I	I	I	I	I	h	...	...	...	...	...	...	c△m_0, cm_0 *a* : cm_0●° *p* : cm_0, om_0 *n*.
6	St	St	Frst:St	9	9	10	9	10	10	j	j	I	I	h	E	...	...	...	...	...	id_0	c, cm_0 *a* : cp●, cm_0 *p* : oid_0, f *n*.
7	St	Frst	St	10	9	9	9	10	10	F	G	I	I	I	F	d_0	...	...	...	...	...	oid_0, cm_0 *a* : cm_0 *p* : om *n*.
8	Frst	Frcu	Cu: Stcu	7	1	1	1	1	6	j	j	k	l	k	h	...	...	...	...	...	...	bc, b *a* : b, by *p* : bcp●°, bcm_0 *n*.
9	Stcu:Ast:Acu	Cu:Stcu: Acu	Ast: Acu	8	8	5	7	4	4	j	j	l	l	l	l	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bcy, bc *n*.
10	Ast: Acu	Cu: Acu	Cu:Stcu	4	6	4	2	2	5	k	k	l	l	l	l	...	...	...	...	...	...	bc, bcy *a* : bcy, by *p* : by, bc *n*.
11	Ci	Cu:Stcu	Stcu	1	0	5	6	5	1	l	l	l	l	l	j	...	...	...	...	...	...	b△, bcy *a* : bcy *p* : bcy, b△ *n*.
12	St: Stcu	Stcu: Ast	Cu: Stcu: Ast	10	10	10	10	10	9	I	I	l	l	l	j	...	...	...	...	...	p●°	cm_0△, c *a* : cp●², p● *p* : c, cp●° *n*.
13	Ast: Acu	Cu: Ci	Ast: Acu	1	6	6	9	7	10	l	l	l	l	l	I	...	...	...	...	...	●°	b, bcy⊕ *a* : bcy, cy *p* : bc, c●°m_0 *n*.
14	Stcu: Ci	Cu:Acu	Cu: Acu: Cist	4	7	7	7	8	9	k	k	l	m	l	k	...	...	...	...	...	...	bc, bcy⊕ *a* : bcy⊕, cy *p* : cy, c *n*.
15	Stcu: Ast	Cu: Stcu:Ci	Stcu: Ast	10	10	8	9	10	10	j	j	k	k	k	I	...	p●°	...	...	p●°	●°	cp●°, c *a* : cy, c *p* : cp●°, c●°m_0 *n*.
16	St: Nbst:Ast	Frcu: Cist:Ci	Cu:Acu:Cist	10	10	8	7	9	7	I	I	I	I	I	I	p●°	...	...	...	...	...	cp●°, cyz_0 *a* : c, bcz_0 *p* : c, bcm_0 *n*.
17	Frnb:Nbst	St	St	10	10	10	10	10	10	h	G	h	G	h	F	●	●	...	...	...	...	c●, ●°m_0 *a* : oi●°, om_0 *p* : om_0, m≺ *n*.
18	St:Nbst:Ast	Cu:Cist: Ci	Cu:Acu:Cist	10	9	6	3	8	9	G	h	j	j	k	I	id_0	...	...	...	...	...	cid_0, i●°, bc *a* : bc⊕, cy *p* : cy, cm_0 *n*.
19	St:Stcu:Ast	Cu: Acu	Cu: Stcu	8	2	3	4	5	1	j	j	l	l	l	m	...	...	...	...	...	...	c, b, bcy *a* : bcy *p* : bcy, b *n*.
20	St:Stcu:Cist	Cu:Ci	Cu: Ci	9	3	4	3	1	1	l	l	l	l	l	l	...	...	...	...	...	...	c, bcy *a* : bcy, by *p* : by, b *n*.
21	Cu: Acu:Ci	Cu:Stcu	Acu	3	5	5	3	1	9	m	l	l	m	m	l	...	...	...	...	...	...	bc, bcy *a* : bcy, by *p* : by, c *n*.
22	Stcu:Acu:Ci	Stcu	Frnb: Cu: Stcu	4	10	9	9	9	8	k	j	l	l	l	l	...	...	...	...	...	...	bc, cp●°, cy *a* : cy, p●°, p●² *p* : cp●°, c *n*.
23	Frst:Stcu	Cu: Stcu	Frcu:Acu(lent)	10	9	9	9	1	10	j	k	l	l	m	k	...	...	...	...	...	...	c *a* : c, by() *p* : by(), c *n*.
24	St:Stcu	Frnb	Frst: Stcu	10	10	10	10	10	10	k	k	j	k	j	j	...	...	●°	...	...	i●°	ci●° *a* : ci●°, c *p* : ci●° *n*.
25	St	Stcu	Frst:Ci	10	10	9	8	1	10	I	I	j	j	l	I	...	d_0	...	...	...	...	om_0, cid_0m_0 *a* : c, b *p* : b, om_0 *n*.
26	St:Stcu	St:Stcu	Cu:Stcu	10	10	9	4	1	9	j	j	j	j	j	j	...	...	...	...	...	...	c *a* : c, bc, b *p* : b, c *n*.
27	St:Stcu	Cu:Stcu	Cu: Stcu: Ci	10	10	9	6	7	2	j	j	l	l	m	l	...	●°	...	...	...	...	c, ci●° *a* : c, bcy *p* : bcy, b *n*.
28	Stcu	Cu: Ci	Stcu:Acu	9	7	2	9	9	9	k	k	k	k	l	l	...	...	...	...	...	...	c, by *a* : by, cy *p* : cy, c *n*.
29	Stcu	Cu: Stcu	Frst:Stcu:Ast	9	9	8	9	9	9	l	l	l	k	k	l	...	...	p●°●°	...	...	...	c, cp●°y *a* : cy, q, i●° *p* : ci●┬, bc△ *n*.
30	Frst: Stcu:Ast	Cu: Nbst: Ci	Cunb: Stcu	9	9	9	7	9	8	l	k	l	m	m	m	...	...	p●°...	...	...	...	ci●°, p●° *a* : cp●°, p▲● *p* : c, bc, b␣ *n*.
31	Cu: Ci	Cunb:Stcu	Cunb: Stcu	1	7	9	3	9	9	m	m	m	j	j	l	...	...	...	...	...	...	b, bcp●° *a* : cp●°, cjp *p* : c●°, bc, c *n*.
Mean Cloud Am'nt.				7·0	7·0	6·7	6·5	6·0	7·2													

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Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Frcu:Stcu:Ci	Cu:Stcu:Ci	St:Stcu:Ci	7	6	8	9	8	9	l	l	m	l	l	j	...	...	...	...	...	...	bc, cp●°▲ *a* : bc, cp●° *p* : c●°, c *n*.
2	Frst: Acu	Stcu:Nbst:Ci	Cunb:Stcu	9	7	9	9	9	3	j	j	j	j	i	i	...	...	●°	...	i●	...	bc, cp●°, ●° *a* : ci●°, p●▲ *p* : c, bcm_0 *n*.
3	Stcu: Ci	Cu:Ast:Cist	Frcu:Ast:Cist	4	7	9	9	9	6	m	m	l	l	j	j	...	...	...	...	...	...	bc, c *a* : c⊕ *p* : c, bc *n*.
4	Frst:Ast: Acu	Stcu: Ast: Cist	Cu: Ci	9	10	9	7	1	1	j	k	k	m	m	l	●°	...	...	...	...	...	c●°, c *a* : c, by *p* : by, b△ *n*.
5	Ci	Frcu: Ci	Ast:Cist: Ci	1	1	4	6	8	8	l	l	l	l	l	l	...	...	...	...	...	...	b△, bcy *a* : bcy, by *p* : cy, c *n*.
6	St: Frst	Stcu:Ast	Cu:Stcu: Ci	10	9	10	8	8	6	I	l	l	j	k	j	id_0	...	...	...	...	...	cid_0m_0, c *a* : c, bc *p* : c *n*.
7	Cu: Stcu	Cu:Stcu	Cu: Stcu	4	4	7	8	7	2	l	l	l	l	l	k	...	...	...	...	...	...	bc, bcy *a* : cy, bcy *p* : bcy, b *n*.
8	Cu: Ci	Stcu	St: Stcu	1	7	10	10	9	10	l	l	k	j	j	k	...	...	...	id_0	...	...	b△, c *a* : cid_0 *p* : c *n*.
9	Cu: Stcu: Ci	Cu: Ast: Acu	Cu: Stcu: Ci	7	2	6	8	8	10	l	l	k	k	j	i	...	...	...	...	...	i●°	bc, b *a* : bc, c *p* : ci●°, i●°m_0 *n*.
10	Cu: Ci	Cu	Cu: Stcu	2	9	7	6	7	1	l	l	l	l	l	j	...	...	...	...	...	...	b, c, bcy *a* : bcy *p* : bc, b *n*.
11	Cu	Cu:Stcu:Ci	St: Ast: Acu	1	5	5	3	9	10	j	j	j	l	k	h	...	...	...	...	...	●	b△, bcy *a* : bcy, c *p* : cid_0m_0, ●m_0 *n*.
12	Stcu	Cu: Ast:Acu	Frst: Ast:Acu	10	7	8	10	10	9	k	k	j	k	k	k	...	...	...	...	...	...	ci●°, b, c *a* : c *p and n*.
13	Frst:Nbst	Cu: Ast:Acu	Cu: Acu	10	10	8	9	1	3	j	j	k	k	l	m	●	●°	...	...	...	...	c●, ●°, bc *a* : c, b *p* : b, bc *n*.
14	Frst: Ast:Acu	Nbst	Frnb: Nbst	8	10	10	10	10	6	k	j	h	h	F	k	...	i●°	d₀	●	●	...	ci●°, dm₀ *a* : od, ●m *p* : of, F, c●, ●°, bc *n*.
15	Frcu: Stcu	Cu:Stcu:Ci	Cu: Stcu: Acu	9	10	9	9	7	2	j	j	k	k	k	l	...	...	...	p●°	...	...	c, c●° *a* : cp●°, bc *p* : bc, b *n*.
16	St: Frnb	Nbst	Nbst	10	10	10	10	10	10	h	F	h	G	F	F	d	d	●	d	●	●	od, ●m_0 *a* : o●, df *p* : o●m *n*.
17	Stcu	Frnb	Cu	10	10	10	7	1	4	I	F	h	j	l	l	id_0	d	d	...	...	...	oid, dm_0 *a* : oid_0m_0, b *p* : b, bc *n*.
18	Cu: Acu	Cu	Frcu: Ci	3	5	5	3	3	1	l	l	j	I	I	h	...	...	...	...	...	...	bc△, bcy *a* : bcy, z_0 *p* : bc, bz_0 *n*.
19	Stcu: Ci	Cu: Acu: Ci	Cu: Acu: Ci	5	4	5	3	5	6	j	j	j	l	j	j	...	...	...	...	...	...	bc△, bcy *a* : bcy *p* : bcy, b△ *n*.
20	Cu: Stcu: Acu	Cu:Ast: Acu	Cu: Stcu: Acu	9	9	9	2	6	4	l	k	j	j	k	k	...	...	p●°	...	...	...	cp●°, ● *a* : c, bcy *p* : bcy *n*.
21	Ci	Cu: Acu	Ci	2	2	l	l	l	4	k	j	j	j	j	h	...	...	...	...	...	...	b, by *a* : by, b *p* : b, bcm_0, om_0 *n*.
22	St	St: Stcu:Ast	St: Frst	10	10	10	7	10	10	h	h	h	h	h	G	...	...	...	...	...	...	om_0, cm_0 *a* : c┬, p●° *p* : c, od_0m_0 *n*.
23	St	Frst: Stcu: Ci	Frst: Stcu:Acu	10	10	9	9	8	9	h	h	k	l	l	h	...	...	...	...	...	...	om_0, c *a* : c, bc *p* : bc, cm_0 *n*.
24	St	Frst: Stcu: Ci	Stcu: Ci	10	10	8	6	5	9	E	E	h	j	j	h	d_0	d_0	...	...	...	...	od_0f, cm_0 *a* : cm_0bc *p* : bc, cm_0 *n*.
25	St	Stcu	Cu:Ci	10	10	10	9	4	10	E	h	k	j	j	I	...	...	...	...	...	...	ofe, c *a* : c, bc *p* : bc, cm_0 *n*.
26	Stcu	Cu: Stcu	Cu:Stcu	8	7	9	9	4	3	j	j	j	j	j	m	...	...	...	...	...	...	c, bc *a* : cy, bc *p* : bc, b *n*.
27	Acu	Cu: Ast:Cist	Cu: Stcu: Ast	2	3	4	4	6	1	l	l	m	j	j	j	...	...	...	...	...	...	b, bcy *a* : bc, bcy *p* : bcy, b *n*.
28	Ci	Cu: Ast	Stcu: Ast:Cist	5	7	10	10	8	2	j	I	h	I	I	j	...	...	...	...	...	...	bc△, bcz_0 *a* : cyz_0⊕ *p* : cz_0b *n*.
29	St:Frst	St:Frst	St: Frst:Nbst	10	10	10	10	10	10	h	h	j	j	I	I	...	...	...	...	●°	●	cm, c *a* : c, c●° *p* : c●°, ● *n*.
30	Frnb: Ast	Frcu:Frnb	Cu: Frcu:Ci	9	9	10	10	3	2	j	j	j	k	k	l	●	●°	●°	●°	...	...	c● ⌒, i●° *a* : ci●°, bc *p* : bc(), b *n*.
Mean Cloud Am'nt.				6·8	7·3	8·0	7·4	6·5	7·1													

Day	7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms																					

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Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Cu:Stcu:Ci	Frcu:Stcu:Ast	Cunb:Frcu:Ast	4	7	10	10	10	10	j	j	j	j	I	j	...	...	i●⁰	...	i●⁰	●	bc, ci●⁰ *a* : ci●, ⱮK●⁰ *p* : cT, i●⁰, ● *n*.
2	St: Stcu	Cu: Cunb	Cunb:Stcu:Ast	9	6	5	6	9	4	I	j	k	j	j	j	...	...	...	...	...	p●⁰	bcT, p● *a* : bcp●², cT *p* : bcT, p●⁰ *n*.
3	Stcu	Cu:Stcu:Ast	Cu:Stcu:Ast	9	9	9	7	9	9	j	k	l	k	j	i	...	...	...	...	...	...	c, bc *a* : c, bc *p* : bc, cm_0 *n*.
4	Cu:Stcu:Ci	Stcu:Ast:Acu	Frst:Stcu	5	7	9	9	9	10	j	j	j	j	j	I	...	...	...	...	...	...	bc⌓, c *a* : bc, c●⁰ *p* : ci●⁰, cm_0 *n*.
5	St:Stcu	Frst:Cu:Stcu	Cu:Stcu:Acu	9	10	9	9	5	6	j	j	j	l	l	I	...	i●⁰	...	p●⁰	...	...	ci●⁰ *a* : cp●, p●⁰, bc *p* : bc, bcm_0, o●⁰ *n*.
6	St	Cu:Cist	Cu:Stcu	10	10	8	4	8	9	j	j	l	l	k	k	...	i●⁰	...	...	...	...	oi●², bc, c⊕ *a* : c⊕, bc *p* : c *n*.
7	St:Frst	Stcu	Cunb:Stcu:Cist	10	10	9	5	9	9	i	j	j	k	l	j	...	...	...	...	...	●⁰	cm_0, c *a* : bc, c *p* : c, c●⁰ *n*.
8	Stcu:Ast: Acu	Cu:Stcu	Cu	5	7	9	5	5	2	j	k	l	m	l	l	...	...	...	...	...	...	bcp●⁰, c *a* : c, bc *p* : bc, b *n*.
9	St:Stcu:Ast	Cu: Acu: Ci	Cu: Acu:Ci	9	4	6	9	9	9	l	m	l	l	m	l	...	...	...	p●⁰	...	...	c⌓, bc()⊕ *a* : bc, cp●⁰T, () *p* : c●², ● *n*.
10	Cu:Acu:Cist	Cunb:Ast:Ci	Cunb: Ast	5	5	8	9	8	9	j	j	k	k	l	j	...	...	...	...	p●⁰	...	bc, p●⁰, c *a* : cp●⁰, cy *p* : cp●⁰, p●², c *n*.
11	St:Stcu:Ci	Cu:Ast:Acu	Frnb:Cu:Nbst	3	9	9	9	10	10	l	k	l	l	l	k	...	...	...	●⁰	i●	...	bc, c *a* : c●, i● *p* : c●, i●⁰ *n*.
12	Frst:Stcu:Ast	St:Stcu:Acu	Stcu:Ast:Acu	10	9	9	9	9	10	l	k	k	l	l	I	...	...	...	...	...	●	cp●, c *a* : c *p* : c, c●m_0 *n*.
13	Nbst	Cu	Cu: Ci	10	10	7	8	5	6	G	j	l	l	l	k	●⁰	...	...	●⁰	...	...	c●⁰, ●m_0, bc *a* : bc, cp● *p* : bc, c● *n*.
14	Frst: Stcu	Cu: Stcu	Cu: Stcu	9	9	9	8	8	10	j	j	j	k	k	I	...	i●	...	...	...	●	ci●, p● *a* : cp● *p* : ci●, i●² *n*.
15	Frst:Stcu:Ast	Cu: Stcu	Cu: Acu	9	9	5	5	5	8	I	j	k	k	l	l	...	...	...	...	...	...	cm_0, bc *a* : bc *p* : bc, c *n*.
16	Frst: Acu	St: Stcu	Cu: Stcu	9	9	9	9	7	4	j	k	l	l	l	l	...	...	...	p●⁰	...	...	cp●⁰, c *a* : cp●⁰, bc *p* : bcp● *n*.
17	Frst:Nbst	St: Frst	St: Frst:Ast	10	10	10	10	10	10	g	j	h	I	I	h	●	...	i●	...	...	p●⁰	c●, i●m_0 *a* : ci●⁰m_0 *p* : cm_0, p●⁰m_0 *n*.
18	Cu: Ast:Acu	Frst: Ast	St: Frst	9	9	10	10	10	10	h	j	j	j	j	j	i●⁰	...	i●	●⁰	●²	i●⁰	ⱮK●² early, ci●⁰, p● *a* : c●⁰, ●²m *p* : c●², i●⁰ *n*.
19	St: Frst	St: Stcu	Frst: St	10	8	10	9	9	9	I	j	j	j	k	j	i●⁰	...	...	...	...	●⁰	ci●⁰m_0, c *a* : ci●⁰, p● *p* : c, ci●⁰ *n*.
20	Frnb: Nbst	Stcu: Ast: Acu	Cu: Stcu: Ast	10	10	9	9	9	9	j	l	l	l	l	j	●	...	...	...	...	...	c●, p●⁰ *a* : cp●⁰ *p* : c *n*.
21	Cu: Stcu	Stcu:Ast	Cu: Stcu: Ast	9	5	10	8	8	5	l	l	l	k	l	l	...	...	●⁰	...	...	...	bc, c●⁰ *a* : c●⁰, c *p* : c, bc *n*.
22	St: Stcu	St:Frst	Frst: Nbst	10	10	10	10	9	3	j	k	j	j	k	j	...	...	●	●	●⁰	...	c, c●, i●² *a* : c●, i●⁰ *p* : ci●⁰, bc *n*.
23	Frst:Ast	Frnb:Nbst	Frnb: Nbst	10	10	10	10	10	9	I	h	h	j	j	j	●⁰	●	●	●⁰	...	...	c●⁰, ●m_0 *a* : c●⁰m_0, c *p* : c, c● *n*.
24	Frnb: Nbst	Frnb	Frnb	10	10	10	10	10	10	h	j	h	h	I	I	●	●	●	●	●⁰	●	c●m_0 *a* : c●m_0 *p* : c●m_0 *n*.
25	Frnb	Nbst	Frnb	10	9	10	10	10	10	j	k	j	j	g	h	●⁰	...	i●⁰	i●	●	...	ci●⁰ *a* : ci●⁰, ●m_0 *p* : c●, ●⁰m_0 *n*.
26	Frst: Stcu	Frst:Stcu	Frnb: Stcu	9	9	9	9	9	7	j	k	l	j	I	k	...	...	...	p●	...	...	ci●, c *a* : ci●, p●² *p* : cjp, c *n*.
27	Frst: Cu	Cu:Stcu	Cu: Ast:Cist	1	3	5	7	6	8	k	k	l	k	m	j	...	...	...	...	...	...	b⌓, bcy() *a* : bcy, bc *p* : bc, c *n*.
28	Stcu:Ast	Cunb: Ast	Cunb:Stcu: Ast	10	10	10	9	9	10	j	I	j	j	j	j	...	...	●	...	...	...	cm_0ⱮK●², ● *a* : cⱮK●, T●⁰ *p* : cp●⁰, c *n*.
29	Stcu:Acu:Ci	Cu:Stcu	Cunb:Stcu:Ci	4	5	7	9	3	9	j	k	m	k	k	j	...	...	...	●	...	...	bc⌓, bcy *a* : bcy, c●, bc *p* : cp● *n*.
30	St: Ast: Ci	Stcu:Nbst	Frnb:Nbst	7	10	10	10	10	10	l	l	k	j	h	h	...	...	i●⁰	i●⁰	●	●	bc, ci●⁰ *a* : ci●⁰, ●m_0 *p* : c●m_0 *n*.
31	Frnb	Stcu:Ci	Stcu	10	9	6	7	9	10	h	l	l	l	l	h	d	...	...	...	...	d_0	od, id_0, bc *a* : bc, c *p* : c, od_0m_0 *n*.
Mean Cloud Am'nt.				8·2	8·3	8·3	6·8	8·3	8·3	8·2												

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Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Frst:Stcu:Ci	Frcu:Stcu:Ast	Cu:Frcu:Acu	9	10	9	8	5	9	l	j	k	l	m	k	...	●	...	...	...	...	c●, p● *a* : c, bc *p* : bc, c *n*.
2	Frnb	Frnb	Cu: Stcu	10	10	9	7	8	3	h	F	k	l	k	l	●	●	●	...	...	...	c●m, c●² *a* : c●, p●², bc *p* : c, bc *n*.
3	Frst:Stcu:Ci	Cu: Stcu	Ci:Stcu: Cu	4	9	9	9	8	9	m	m	l	l	k	k	...	...	●⁰	...	...	●⁰	bc, ci●⁰ *a* : cp●⁰, bc *p* : c, c●⁰ *n*.
4	Frst:Stcu	Cu: Stcu	Cu: Stcu	9	7	9	5	8	6	l	k	l	m	l	l	...	p●⁰	p●	...	p●⁰	...	cp●⁰, p●²()T *a* : bc, cp●⁰ *p* : c, bc *n*.
5	St:Stcu:Nbst	Stcu	Cu:Stcu:Cist	9	9	9	9	9	8	I	l	m	m	m	l	...	...	...	...	...	...	p●⁰ early, bc, c *a* : cy, bc *p* : c, c⊔ *n*.
6	Frst:Nbst	Frnb: Ast	Frst:Stcu:Acu	10	10	10	10	3	3	I	I	h	j	j	I	●	...	●	...	...	...	c●m_0 *a* : c●, ●⁰m_0, bc *p* : b, bcm_0 *n*.
7	Stcu: Acu: Ci	Cu: Stcu:Ci	Cu:Stcu:Acu	6	3	7	5	6	7	l	l	k	k	l	j	...	...	...	...	...	...	bc⌓, bc() *a* : bc *p* : bc, fe *n*.
8	Frst:Stcu	Cu:Stcu:Ast	Frst:Stcu:Ast	9	9	8	10	9	10	j	I	k	k	j	j	...	...	...	...	...	...	cm_0, c *a* : c *p* : c, cm_0d_0 *n*.
9	St	St:Frst:Ast	Stcu	10	10	9	9	10	4	E	G	k	l	k	k	d_0	d_0	...	...	...	...	od_0f, cd_0m_0 *a* : c *p* : c, bc, b⌓ *n*.
10	Stcu: Ci	Stcu:Acu:Ci	Cu: Stcu	8	6	7	5	2	9	m	l	m	m	m	k	...	...	...	...	...	...	c⌓, bcy() *a* : bcy() *p* : bcy, (), bc⌓ *n*.
11	Acu:Cist:Ci	Cu	Cu:Acu:Ci	6	1	3	3	2	9	j	I	j	m	m	j	...	...	...	...	...	...	bc⌓m_0, bcy *a* : bcy, b *p* : b, c, o● *n*.
12	Frst:Ast:Acu	Cunb:Stcu	Cunb:Stcu	10	9	8	9	8	7	j	k	k	l	l	k	...	...	p●⁰	p●⁰	p●⁰	...	bc, cp●⁰ *a* : c●⁰, p●⁰ *p* : cp●⁰, bc⌓ *n*.
13	Frst:Acu	Frcu:Stcu	Frst:Ast: Ci	9	7	9	10	8	10	k	k	k	k	j	...	...	...	...	...	...	...	c⌓, bc *a* : cp●⁰, c *p* : bc, odm_0 *n*.
14	St	St:Frst	St: Frst	10	10	10	10	10	10	F	F	F	F	E	E	d_2	d	d	d	...	d	od_2, dm *a* : od, ofe *p* : ofe, ifd, F *n*.
15	St: Frst	St:Frst	Frst:Stcu	10	10	9	9	9	10	g	j	j	j	j	D	...	...	...	...	...	...	if, p●, i● *a* : cp● *p* : c, of *n*.
16	Frst: Stcu	Cu:Stcu:Ci	Cu: Stcu:Ci	9	9	6	5	8	10	j	j	l	k	k	j	...	p●⁰	...	...	...	...	cp●⁰, bc *a* : bc, c *p* : c *n*.
17	Frst: Frnb	Frnb:Nbst	Frnb:Nbst	10	10	10	10	10	6	F	F	F	E	h	j	d	d	d	d	●	...	odm *a* : odf, o●m_0 *p* : c●m_0, bc *n*.
18	Frst: Ast: Acu	Cu: Stcu	Frnb:Stcu:Nbst	1	6	5	6	9	9	D	j	k	l	j	h	...	...	...	...	●	p●	b, ife, bc *a* : cp●, bc, c● *p* : cp●m_0 *n*.
19	St:Nbst	Frst:Stcu	Frnb:Nbst	10	10	10	10	10	10	j	h	I	I	h	h	●⁰	d	...	...	d	...	odm, ci●⁰ *a* : c, c●, ●⁰, dm_0 *p* : cd, cm_0 *n*.
20	Frst: Stcu	St: Stcu:Ci	St: Stcu:Ci	9	10	9	9	9	10	j	j	I	j	j	j	...	...	...	...	...	...	c, c●m_0 *a* : cm_0, c *p* : bc, c *n*.
21	Stcu:Acu:Cist	Cu:Cicu	Cu: Stcu	9	8	8	6	5	1	l	k	l	l	m	l	...	...	...	...	...	...	c, bc *a* : c, bc *p* : bc, b *n*.
22	St:Stcu:Ci	Cu: Stcu:Ci	Cu: Cicu: Ci	9	6	6	4	6	9	l	l	l	m	m	...	...	...	...	...	...	...	c, bcy *a* : bcy, bc *p* : bc, c *n*.
23	Nbst	Frst	Stcu: Acu: Cicu	10	10	10	10	7	9	h	G	I	I	j	j	d	d	...	...	...	...	cd_0, cm_0 *a* : cid_0m_0, bc *p* : bc, cd_0 *n*.
24	St:Stcu	Cu:Stcu:Acu	Stcu	9	7	2	3	9	10	I	j	m	m	m	h	id_0	...	...	...	...	d	cid_0, bc, b *a* : bcp●⁰, c *p* : c, odm_0, ● *n*.
25	Frst:Ci	Stcu	Cu: Stcu	4	9	9	7	4	9	I	k	l	k	m	l	...	...	...	...	...	...	bcm_0, c *a* : c, bc *p* : bc, c⌓ *n*.
26	St:Stcu	St:Stcu	Cu	8	9	9	4	1	0	I	h	I	j	j	h	...	...	...	...	...	...	cm_0⌓, cz_0 *a* : cz_0, b *p* : b, bm_0⌓ *n*.
27	Stcu	Frcu	Ci	9	1	1	1	2	2	E	h	j	j	k	I	...	...	...	...	...	...	cf, b⌓m_0, by *a* : by, b *p* : by, bm_0⌓, f *n*.
28	—	Cu	Acu:Ci	0	1	1	1	4	1	D	h	I	I	I	h	...	...	...	...	...	...	bF, bz_0 *a* bz_0, bcz_0 *p* : bcz_0, b⌓m_0, f *n*.
29	—	Cu: Ci	Cu:Cist:Ci	0	10	5	2	5	8	C	D	j	j	j	i	...	...	...	...	...	...	bF, ofe, bc, *a* : bc, b *p* : bc, cm_0 *n*.
30	Stcu	Stcu:Acu:Cist	Stcu:Acu	10	9	9	9	9	9	k	k	m	m	m	l	...	...	...	...	...	...	c *a*, *p and n*.
31	Frst: Acu	Stcu	Stcu: Acu:Ci	6	9	8	7	4	2	m	l	j	l	m	m	...	...	...	...	...	...	bc, c *a* : c, bc *p* : bc, b⌓ *n*.
Mean Cloud Am'nt.				7·8	7·9	7·5	6·8	6·7	7·1													

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

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Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Cicu:Ci	Frcu:Acu:Ci	St: Frst	3	7	8	10	10	10	m	m	l	l	I	h	...	...	...	●⁰	●⁰	...	bc◡, c *a* : c, ●⁰, ●m_0 *p* : c●⁰, i●⁰cm_0 *n*.
2	Nbst	St	Stcu:Acu	10	10	10	7	9	10	h	h	G	I	I	h	●⁰	...	d	...	...	●⁰	oi●⁰, dm_0 *a* : od, p●², bc *p* : cm_0, c●⁰m_0 *n*.
3	Nbst	Frst:Stcu:Acu	Frnb:Ast	10	10	9	10	10	9	h	h	j	I	I	h	●	...	...	●	●	...	●² early, ●, cp●⁰ *a* : cp●, p●² *p* : c●⊤, c≺ *n*.
4	Frst:Stcu:Acu	Frst:Stcu	Cunb:Frnb	9	9	8	9	9	10	j	j	j	I	I	I	●	...	i●⁰	●	...	i●	c●, ⊤, ●², ci●⁰ *a* : ci●⁰, ●², cm_0 *p* : p●, p●², i●*n*.
5	St:Frst	St:Stcu	Stcu	10	10	10	10	10	10	I	j	j	j	l	l	id_0	id_0	●⁰	●⁰	●⁰	●⁰	cid_0, i●⁰ *a* : ci●⁰, ● *p* : ci●⁰ *n*.
6	Frst:Stcu	Cu: Stcu: Ci	Frnb:Acu:Cist	10	9	9	9	9	10	h	k	m	m	j	h	d_0	...	...	...	●⁰	d	cid_0m_0, bc *a* : c, ci●⁰ *p* : c●⁰, dm_0 *n*.
7	St:Stcu	Cu:Stcu	Frnb	9	8	7	9	10	10	j	k	m	k	I	h	...	...	...	●	●	●	cp●⁰, bc *a* : bc, p●⁰q, c●m_0 *p* : c●, ●⁰m_0 *n*.
8	Stcu:Ci	Cu:Stcu	Cu:Stcu	4	1	6	5	1	0	k	k	l	l	k	j	...	...	...	...	...	...	bc, b *a* : bc, b *p* : b, b◡ *n*.
9	St:Frst	Cu:Acu:Ci	Stcu	10	10	8	8	10	10	I	I	j	I	h	h	...	...	...	...	...	d_0	cm_0, c *a* : cz_0, cm_0 *p* : cm_0, d_0, ● *n*.
10	St	St:Stcu	St	10	10	10	10	10	10	F	F	h	h	h	h	d_0	d_0	...	d_0	...	...	cd_0, ●, cd_0m_0 *a* : cd_0m_0 *p* : od_0m_0, om_0 *n*.
11	St	Cu:Stcu	Stcu:Acu:Ci	10	9	9	10	9	10	G	h	h	h	h	i	...	...	...	...	...	...	p●⁰ early, cm_0, cz_0 *a* : cz_0, cm_0 *p* : cm_0 *n*.
12	St	Frnb:Nbst	Cu:Stcu:Acu	10	10	10	10	7	6	G	F	I	I	j	j	●	d	●	●	...	...	o●, d, ●m_0 *a* : c●m_0, bc *p* : bc *n*.
13	Frst:Stcu:Ci	Cu:Stcu:Ci	Cu:Stcu	8	9	7	5	4	7	I	j	k	k	k	j	...	...	...	...	...	...	cm_0, bc *a* : bc *p and n*.
14	Frst:Cu:Ci	Cu:Stcu	Cu:Frnb:Ast	9	7	7	9	9	5	I	j	l	j	j	j	...	...	...	...	●	...	p● early, cm_0, bc *a* : bc, c⊤● *p* : ci●, c≺ *n*.
15	Cu:Stcu	Cu:Stcu	Stcu	9	6	5	5	5	9	j	j	j	j	j	i	●⁰	...	...	...	...	...	ci●⁰, bc *a* : bc *p* : bc, cm_0, id_0 *n*.
16	Cu:Stcu	Cu:Stcu	Cu	8	8	5	6	1	0	I	j	j	j	k	k	...	...	...	...	...	...	cm_0, bc *a* : bc, b *p* : b *n*.
17	St:Stcu	Cu	Cu: Stcu:Ci	9	8	4	2	4	5	j	j	j	j	j	i	...	...	...	...	...	...	c, bc *a* : bc *p* : c, bcm_0 *n*.
18	St:Ast	Cu:Ci	Cu:Stcu	8	10	5	4	5	9	j	j	j	j	I	i	...	...	...	...	...	...	c, bc *a* : bc, bcm_0 *p* : bcm_0, cm_0◡ *n*.
19	Frst:Stcu:Ast	Frst:Stcu	Frst:Stcu	10	10	10	10	10	10	h	h	j	j	j	j	...	...	...	...	...	...	cid_0m_0 *a* : c *p and n*.
20	Stcu	Stcu	Frst:Stcu	10	10	8	8	6	2	j	j	I	I	I	i	...	...	...	...	...	...	c, cm_0 *a* : cm_0, bcm_0 *p* : bcm_0, bm_0 *n*.
21	Stcu	Stcu	Frst:Stcu	9	9	10	9	7	2	h	h	I	I	I	i	...	...	...	...	...	...	cm_0 *a* : cm_0, bcm_0 *p* : bcm_0, bm_0◡ *n*.
22	Stcu:Acu	Cu:Stcu:Ci	Frst:Stcu:Nbst	2	5	9	9	10	1	G	h	j	I	j	k	...	...	...	p●⁰	p●⁰	...	bm_0, c *a* : cp●⁰ *p* : c, bc, b *n*.
23	Stcu:Acu:Ci	Stcu	Cu:Acu:Ci	2	9	9	8	2	9	m	m	j	j	k	i	...	...	...	...	...	...	b◡, c *a* : c, bc, b *p* : b, cm_0◡ *n*.
24	Stcu	St:Stcu	Nbst	10	10	10	10	10	10	G	G	h	h	G	g	...	...	...	...	●	●	cm_0◡, cm_0 *a* : cm_0, c●⁰, ●m_0 *p* : c●m_0 *n*.
25	Frnb:Ast	Frst:Stcu:Ast	Frst:Stcu:Ci	10	10	9	9	5	5	h	I	k	k	l	m	●	●⁰	...	...	...	...	c●, ●⁰m_0, c *a* : ci●, bc *p* : b, bc *n*.
26	Stcu:Ci	Cu:Stcu: Cist	Frst:Ast	8	7	9	10	10	10	l	l	m	m	j	j	...	...	...	...	...	...	c, bc, c *a* : c, o *p* : o, c *n*.
27	Frnb:Ci	Frcu:Stcu	Frcu: Stcu	9	4	4	4	3	1	j	l	m	m	m	m	i●	...	...	...	...	...	ci●, bcp●⁰⌒ *a* : bcp●⁰, p● *p* : bc, b *n*.
28	Stcu	Cu: Stcu:Ci	Cu: Acu: Ci	1	2	6	7	2	1	l	l	m	m	l	k	...	...	...	...	...	...	b, bc *a* : bcy, b *p* : b, b◡ *n*.
29	Acu	Stcu	Stcu	1	6	9	9	9	10	l	l	m	m	j	i	...	...	...	...	...	...	b◡, c *a* : c *p* : c, cm_0◡ *n*.
30	Stcu	Stcu	Stcu	10	10	9	9	9	10	l	m	l	k	j	h	...	...	...	...	...	...	cm_0◡ early, c *a and p* : c, cm_0 *n*.
Mean Cloud Am'nt.				7·9	8·1	8·0	8·0	7·2	7·0													

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Day	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	St:Stcu	St	10	10	10	10	10	10	l	l	I	I	h	h	...	...	...	...	...	...	c, cm_0 *a* : c, om_0 *p* : om_0 *n*.
2	Stcu	Stcu	Stcu	9	10	9	9	9	4	l	l	l	l	k	j	...	...	...	...	...	...	c *a and p* : c, bc◡ *n*.
3	Frst:Ci	Cu: Ci	Ci	3	1	3	4	2	1	j	h	j	j	I	h	...	...	...	...	...	...	b◡, b◡m_0, bc *a* : bc, bm_0 *p* : bm_0◡ *n*.
4	Ci	St	Frst: Ci	1	1	10	3	7	9	h	h	I	I	I	I	...	...	...	...	...	...	b◡, bm_0◡, cd_0 *a* : c, bcm_0 *p* : bc, cd_0, cm_0 *n*.
5	Frst	Cu:Stcu	Cu: Stcu	3	3	9	8	3	1	k	k	k	k	l	l	...	...	...	...	...	...	bc, c *a* : c, bc *p* : bc, b◡ *n*.
6	Acu:Ci	Cu:Stcu	Stcu	1	1	1	4	1	3	m	l	m	m	k	j	...	...	...	...	...	...	b◡, by *a* : bcy, b *p* : b, bc◡ *n*.
7	Stcu: Ci	Cu	Stcu	1	1	1	2	1	0	l	k	k	l	k	k	...	...	...	...	...	...	b◡, by *a* : by, b() *p* : b, b◡ *n*.
8	Stcu	Cu:Stcu	Stcu	9	10	9	10	10	9	l	m	k	k	k	j	...	...	...	...	...	●⁰	c◡, bc *a* : c *p* : c, ci●⁰ *n*.
9	St:Stcu:Nbst	Frst:Cu:Stcu	Frst:Stcu	9	9	7	9	10	7	l	l	m	m	j	k	...	...	p●⁰	...	●⁰	...	cp●, p●⁰⌒ *a* : bcp●⁰, c●⁰ *p* : ci●⁰, bc *n*.
10	Stcu	Cu:Stcu	Stcu	9	7	8	9	10	8	k	j	l	l	l	l	...	...	...	...	...	...	cp●, bc, c *a* : c *p* : c, b *n*.
11	St: Stcu:Ast	Cu:Stcu	Stcu	9	10	9	9	9	8	k	j	j	j	j	j	id_0	●⁰	...	...	...	...	cid_0, p●⁰ *a* : c *p* : c, bc *n*.
12	Stcu	Frcu:Stcu	Cu:Stcu:Ci	9	9	6	5	7	10	m	m	j	j	j	h	...	...	...	...	...	●⁰	c, bc *a* : bc *p* : bc, o●⁰m_0 *n*.
13	Frst:Stcu:Ci	Cu:Stcu: Ci	Stcu	9	9	9	7	9	8	m	l	l	l	l	l	...	...	...	...	...	...	c *a* : c, bc *p* : bc, c, d_0 *n*.
14	St	Stcu: Acu:Ci	Stcu: Ci	10	9	8	9	6	7	h	l	l	l	l	l	d	id_0	p●⁰	...	...	...	od_0, cid_0, p●⁰⌒ *a* : cp●⁰, bc *p* : bc *n*.
15	Frst:Stcu:Ast	Cu:Acu: Cicu	Stcu	10	5	5	8	5	5	j	k	k	k	k	k	i●⁰	...	...	...	...	...	ci●⁰, p●, bc *a* : bc, cp● *p* : p●, bc *n*.
16	Frst: Stcu:Ci	Cu: Stcu:Ci	St:Stcu:Ast	7	8	7	5	9	10	k	j	k	k	k	h	...	...	...	...	...	●⁰	cp●, bc *a* : bc, c *p* : ci●⁰, ●m_0 *n*.
17	Frnb	Stcu:Nbst	Frst:Stcu:Acu	10	10	9	9	9	7	h	h	k	j	j	k	●⁰	●⁰	...	...	...	...	o●, ●², c *a* : ci●, p●⁰ *p* : cp●², c *n*.
18	Frcu:Stcu: Acu	Stcu: Acu: Ci	Stcu:Acu:Ci	1	2	5	6	4	9	m	k	k	k	l	k	...	...	...	p●⁰	...	...	b, bc *a* : bcp●⁰ *p* : bc, c● *n*.
19	Frst:Stcu	Stcu: Ast:Nbst	Stcu: Ci	9	7	9	6	2	0	k	k	j	m	l	l	●⁰	...	●	p●	...	...	c●⁰, bc, c● *a* : c●, bcp●, b *p* : b, b◡ *n*.
20	Stcu: Acu: Ci	Stcu: Ast	Frst:Ast	7	9	10	10	9	9	m	l	l	l	h	h	...	...	●⁰	●⁰	●⁰	...	bc◡, c●⁰ *a* : c●⁰m_0 *p* : c●⁰m_0, cm_0 *n*.
21	Stcu:Acu: Cist	St:Frst	Frst	10	9	10	9	10	10	I	j	h	k	k	h	...	...	d_0	...	id_0	●⁰	c, cd_0 *a* : cid_0 *p* : cid_0, c●⁰m_0 *n*.
22	Frst	Frst: Stcu	Frst:Stcu	9	10	8	10	10	10	m	j	h	h	I	i	...	...	...	d	...	...	c, cm_0 *a* : cm_0, ●, d *p* : cm_0 *n*.
23	Frst	Frst:Nbst	Cunb:Stcu:Ci	10	10	9	5	9	7	I	h	j	j	I	k	...	●⁰	●⁰	...	...	...	c●, ●², ●⁰ *a* : c, bcm_0 *p* : cm_0, bc *n*.
24	St: Stcu:Ci	St:Stcu	St: Stcu	6	8	10	10	10	10	l	l	j	I	I	i	...	...	●	●	●	●	bc, cp●⁰, ● *a* : c●m_0 *p* : c●², ●m_0 *n*.
25	Stcu	St:Stcu:Ci	St: Stcu	5	7	9	8	10	10	l	l	k	m	I	h	...	p●⁰	...	✱	i✱	✱	bcp●⁰, i✱, ✱ *a* : bc✱, p✱, i✱m_0 *p* : ci✱, ✱m_0 *n*.
26	St: Stcu	Frnb	Frst	9	10	10	10	4	7	j	I	G	I	k	l	...	●	●	●⁰	...	...	c, c●m_0 *a* : c●, ●⁰, q, bc *p* : bcp●, p✱▲⌒ *n*.
27	Frnb:Cu	Cu:Stcu:Ci	Frst:Anci	8	5	6	9	3	5	k	k	k	l	k	l	p●	...	...	...	p✱▲	...	cp●⌒, p✱, p✱▲q *a* : cp✱▲, p✱▲ *p* : p✱▲, bc *n*.
28	Cu	Frcu:Ci	Frcu:Cist:Ci	1	4	1	1	1	1	l	l	l	l	l	l	...	...	...	...	...	...	bc, by *a* : by, b *p* : b, b◡ *n*.
29	St	St	St	10	10	10	10	10	10	I	h	G	F	G	g	d_0	d	d	d	●	●	od_0m_0, ●, dm_0 *a* : od, if, ●m_0 *p* : o●m_0 *n*.
30	St:Stcu	St:Stcu	Stcu:Nbst	10	10	10	10	10	5	j	j	j	j	j	j	●⁰	●⁰	●	i●⁰	...	...	c●⁰, i●⁰ *a* : c●, i●⁰, c *p* : c, bc *n*.
31	St	Frst:Ci	Frst	1	1	1	1	8	9	j	k	l	j	j	j	...	...	...	...	...	...	b◡, b *a* : b, c◡ *p* : c◡ *n*.
Mean Cloud Am'nt.				6·9	6·9	7·4	7·6	7·0	6·7													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

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Day.	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						Remarks on the Weather of the Day
	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	
1	St:Frst	Frnb:Nbst	Nbst	10	10	10	10	10	9	h	j	I	h	h	j	...	...	●	d_2	d	id_0	c≏, p●^{0}, ●m_0 *a* : c●, d_2, dm_0 *p* : od_2, cid_0 *n*.
2	St:Stcu	Frcu:Acu	Stcu:Ast:Acu	7	3	1	8	9	10	l	j	l	k	k	j	...	...	...	...	...	...	bc≏, b *a* : bc, c *p* : c, c● *n*.
3	Frst:Stcu	Frst:Stcu	Stcu	9	7	9	1	6	6	i	j	k	k	k	j	...	...	...	...	...	...	cm_0, cp●^{0} *a* : bc, b *p* : bc, cp●^{0} *n*.
4	St	Frst:Cist:Ci	Frst:Stcu	10	10	9	9	10	10	h	G	k	k	j	j	id_0	●^{0}	...	...	●^{0}	●	cid_0, i●$^0m_0$ *a* : c, c●^{0} *p* : c●^{0}, ●^{2}, ● *n*.
5	Stcu:Ast	Cunb:Acu: Ci	Cunb: Stcu	10	3	8	9	8	3	l	k	k	l	k	k	...	...	...	p●^{0}	p●	...	bc, cp●^{2}, bcq *a* : p●^{0}, p●^{2}▲^{2} *p* : cp●, bc *n*.
6	Stcu:Nbst	Stcu:Acu: Ci	St:Stcu:Ast	9	9	9	9	10	10	k	j	h	h	G	h	i●^{0}	...	...	...	...	...	ci●^{0}, cm_0 *a* : ci●$^0m_0$ *p* : ci●$^0m_0$ *n*.
7	Frst:Stcu	Stcu	Frnb:Nbst	9	8	10	10	10	10	j	j	I	I	h	h	...	...	i●^{0}	●	●	i●	cp●^{0}, i●$^0m_0$ *a* : ci●, ●m_0 *p* : c●, i●m_0 *n*.
8	Frst:Stcu	Frnb:Nbst	Stcu	10	10	10	10	9	4	j	I	h	j	k	k	...	●	●^{0}	●^{0}	...	...	c●, ●$^0m_0$ *a* : c●^{0}, i●m_0 *p* : c, bc *n*.
9	Frst:Stcu	Frst:Stcu	Stcu	10	10	10	9	5	2	h	h	j	I	k	k	✱	✱	...	...	...	...	c✱m_0, c *a* : ci●^{0}, bc *p* : bc, b≏ *n*.
10	Stcu	Frst:Ci	Fog	9	9	5	10	10	6	E	h	G	h	E	I	...	...	...	...	...	...	c≏f, p●^{0}, bcm_0 *a* : cp●, if, ofe *p* : c●, p●^{0} *n*.
11	St	Stcu:Acu:Ci	St	10	10	7	10	10	10	C	E	j	k	j	h	...	...	...	...	...	●	oFe, p●, bc *a* : bc, c *p* : o, i●m_0 *n*.
12	Frnb:Nbst	Frnb	Frst	10	10	8	9	8	5	i	j	j	j	j	j	●	●^{0}	●^{0}	...	i●^{0}	...	c●, ●^{0} *a* : c●q, ci● *p* : ci●, bc *n*.
13	Frnb:Nbst	Stcu	Stcu	5	1	9	9	10	8	j	j	k	k	j	j	i●^{0}	...	...	...	...	...	bci●^{0}, b, c *a* : c *p and n*.
14	Frst	Stcu:Ci	Stcu:Cunb	9	10	9	5	5	2	h	h	k	l	k	k	...	●	...	...	p●^{0}	...	ci●^{0}, c● *a* : cp●, bcp●^{0} *p* : bcp●, b *n*.
15	Frnb	Stcu:Nbst	Stcu:Cunb	10	10	8	2	2	9	h	h	j	l	l	j	●^{2}	●	...	...	...	...	c●^{2}, i●, ●m_0≗ *a* : cp●, b *p* : bcp●^{0}, c *n*.
16	Stcu:Ci	Cu:Ast:Ci	Stcu: Ast	7	2	3	9	10	10	j	k	j	j	j	h	...	...	...	...	...	●^{0}	b, bc *a* : bc, o *p* : o, o●$^0m_0$ *n*.
17	Nbst	Stcu:Nbst	Frnb	10	10	9	10	9	3	G	h	j	j	j	j	●^{0}	●^{2}	●^{0}	●^{0}	●^{0}	i●^{0}	o●^{0}, ●^{2}, ●m_0 *a* : c●^{0} *p* : c●^{0}, bci●^{0} *n*.
18	Frst: Stcu	Stcu:Nbst:Ci	St: Stcu:Ci	8	9	9	9	6	1	l	j	j	l	l	j	...	...	p●^{0}	...	...	...	bcp●^{0}, cp●^{0} *a* : cp●, bc *p* : bc, b≏ *n*.
19	Stcu:Ci	Stcu:Ast:Cist	Stcu:Ast:Cist	1	6	9	9	6	0	j	j	j	j	j	j	...	...	...	...	...	...	b≏, c *a* : c, bc *p* : bc, b≏ *n*.
20	Frst	St	St	9	10	10	10	10	9	h	C	E	E	D	E	...	...	...	...	...	...	cm_0≏, oFe, fe *a* : ofe, Fe *p* : oFe, fe *n*.
21	St	St	Ci	10	10	10	4	1	0	F	D	F	F	C	D	...	...	...	...	...	...	om, ofe *a* : cm, ofe *p* : oFe, fe, bm≏ *n*.
22	—	—	—	0	1	0	0	0	6	G	G	j	j	j	j	...	...	...	...	...	...	b≏m_0, b *a* : b, b≏ *p* : b≏, bc≏ *n*.
23	Stcu	Ci	Stcu: Acu:Ci	1	0	1	2	7	1	j	j	I	I	h	g	...	...	...	...	...	...	b≏, bm_0 *a* : bm_0, bc≏m_0 *p* : bm_0≏ *n*.
24	Stcu	St	Frst:Stcu	6	10	10	10	9	8	h	h	I	h	G	f	...	...	...	...	...	...	bcm_0≏, om_0 *a* : o, cm_0 *p* : cm, fe *n*.
25	Fog	Frcu	Frcu:Stcu	10	2	1	3	10	1	C	E	j	j	C	h	...	...	...	...	...	...	oFe, b *a* : bcm_0, bcF *p* : bcF, bm_0≏ *n*.
26	St	Stcu	Stcu	10	9	10	10	9	9	h	I	j	j	j	j	...	...	...	...	...	...	o≏m_0, cm *a* : c, c≏ *p* : c≏, c≏ *n*.
27	Stcu	Stcu:Ci	Stcu:Acu:Ci	10	9	3	8	8	9	j	k	k	j	j	j	...	...	...	...	...	i●^{0}	c≏, bc *a* : bc, c *p* : ci●^{0} *n*.
28	St	Ci	Acu:Ci	1	0	4	5	6	9	l	k	j	k	j	j	...	...	...	...	...	...	b≏, bc *a* : bc, bc≏ *p* : bc, c≏ *n*.
29	Nbst	St:Frst	Frst	10	10	10	10	10	9	F	h	h	j	j	j	●^{0}	i●^{0}	●^{0}	...	...	●^{0}	ci●^{0}, o●$^0m_0$ *a* : oi●, c() *p* : ci●^{0}, bc *n*.
30	Stcu:Nbst	Frst	Frcu:Stcu	9	3	8	4	5	1	j	j	k	k	j	l	●^{0}	...	...	...	p●^{0}	...	ci●^{0}, bc *a* : cp●, bcp●^{0}≗ *p* : bcp●, b *n*.
Mean Cloud Am'nt.				8·0	7·0	7·3	7·4	7·6	6·0													

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1	Stcu:Ci	Cu:Stcu:Acu	Frst:Stcu	1	1	5	6	7	4	l	l	l	l	l	l	...	...	...	...	p●^{0}	...	b, bcp● *a* : bcp●^{0} *p* : bcp●^{0} *n*.
2	Stcu:Ast:Ci	Frcu:Acu:Ci	Stcu	9	9	7	9	9	10	h	h	l	l	k	j	...	i●^{0}	...	...	...	●^{0}	ci●$^0m_0$, bc≗ *a* : bc, c *p* : c, c●^{0} *n*.
3	Nbst	Nbst	Stcu	10	10	10	10	8	9	F	F	G	G	k	j	d	d_0	d_0	d_0	p●^{0}	●^{0}	cd, od_0m_0 *a* : od_0m_0, cp●^{0}≗ *p* : ci●≗ *n*.
4	Stcu:Nbst:Ci	Cu:Cunb:Ci	Nbst	1	9	4	6	10	10	j	k	j	l	G	G	...	p✱^{0}	...	...	✱^{0}	✱^{0}	cp✱^{0}, p✱^{0}△^{0} *a* : bcp✱^{0}, o✱$^0m_0$ *p* : o✱^{0}, i✱$^0m_0$ *n*.
5	St:Stcu	Nbst	Frnb	4	10	10	10	7	10	k	F	E	F	G	f	...	✱	✱	✱	i✱	✱	bc, i✱, c✱f *a* : ✱, bci✱m_0 *p* : o✱m≺ *n*.
6	Stcu	Stcu	Frst:Stcu	1	2	1	1	1	0	l	l	j	k	k	j	...	...	...	...	...	...	⊠ 4 cm. b┿ *a* : b┿ *p* : b *n*.
7	—	Ast:Acu:Ci	Nbst	0	2	4	9	10	10	l	l	k	l	j	j	...	...	...	...	✱^{0}	●^{0}	⊠ 2 cm. b, bc *a* : bc, c✱^{0} *p* : c●^{0} *n*.
8	St	Stcu:Ci	Stcu:Ci	9	4	1	9	9	9	h	l	j	k	j	j	...	...	...	...	...	...	cm_0, b *a* : b, c *p* : bc, c≏, b≏ *n*.
9	Acu:Ci	Stcu:Acu:Ci	Stcu	1	2	6	7	9	10	l	l	j	j	h	D	...	...	...	...	...	...	b≏, bc *a* : bc, cm_0 *p* : cm_0, ofe *n*.
10	Fog	St	St	10	10	10	10	10	10	D	D	G	j	f	h	...	...	...	...	d_0	d_0	ofe, om_0 *a* : ome, od_0 *p* : ome, od_0m_0 *n*.
11	Fog	Nbst	Nbst	10	10	10	10	10	10	E	F	F	F	G	I	...	...	✱^{0}	✱	●	●	of, o✱^0m *a* : o✱, i✱, ●m_0 *p* : o, c●m_0 *n*.
12	Stcu	Frst:Stcu	Frst:Stcu	10	10	10	9	9	3	j	h	j	I	I	h	...	...	...	...	...	...	cm_0, c *a* : c, c≏m_0 *p* : c≏, bcm_0≏, p●^{0} *n*.
13	Stcu	Frst:Stcu:Ci	Frst	2	9	9	10	10	10	l	j	j	h	h	h	...	...	✱▲^{0}	✱	...	●	b≏, ci✱^{0}▲^{0} *a* : ci✱^{0}▲^{0}, i✱ *p* : ci●, ●m_0, ●^{2}≗ *n*.
14	Nbst	Frst:Stcu	Stcu	10	10	10	10	10	10	I	I	m	m	l	l	●	●	...	...	...	...	●^{2}early, c●, c() *a* : c *p* : c, b *n*.
15	Stcu: Ci	Frst:Cu:Stcu	Frst:Stcu	4	9	6	7	10	10	j	j	j	k	j	h	p✱^{0}	...	p▲	...	...	●	cp✱^{0}, bcp▲ *a* : p▲, p●, c *p* : ci●, ●m_0, ●^{2}≗ *n*.
16	Stcu	Frst:Cu:Stcu	Frst:Stcu	9	9	9	9	8	1	j	j	l	l	k	l	...	...	...	...	...	...	c≗, cp●^{0} *a* : cp●≗, c *p* : c, b *n*.
17	Stcu	Nbst	Frnb	7	10	10	10	10	9	j	j	I	h	f	i	...	...	●	●	i●^{0}	...	bc, c●m_0 *a* : c●≗, ●^{2}, fe *p* : ci●^{0}≗, c≗m_0 *n*.
18	Nbst	Frnb:Cist	Frst:Stcu	10	9	9	3	8	3	I	I	l	l	l	l	●	●^{0}	...	...	...	...	o●, ●^{2}, cp● *a* : p●^{0}, bc *p* : c, bc *n*.
19	Frst:Stcu	Stcu	Frnb:Nbst	8	9	9	10	10	10	l	m	l	I	i	i	...	...	...	●	●	●	c *a* : c●≗m_0 *p* : c●m_0≗ *n*.
20	Frnb	Frnb	Frnb	10	10	10	10	10	10	h	G	G	h	h	h	●^{0}	●^{0}	●^{0}	●^{0}	●	●^{0}	c●$^0m_0$≗ *a* : c●^{0}, ●≗m_0 *p* : c●, ●$^0m_0$ *n*.
21	St:Frnb	Nbst	Frnb	10	10	10	10	10	10	h	G	G	D	F	F	d	d	d	●	●	●^{0}	c, odm_0 *a* : od, i●, f *p* : ci●m *n*.
22	Stcu	Stcu:Ast	Stcu	10	9	10	5	5	5	j	j	k	k	l	l	...	...	...	...	...	...	c *a* : p●▲, bcp●^{0} *p* : bcp● *n*.
23	Stcu	Stcu:Acu:Ci	St: Stcu	2	8	8	9	9	10	j	m	j	j	I	j	...	...	...	...	...	...	b≏, c *a* : c, cm_0 *p* : cm_0, c *n*.
24	St:Stcu:Nbst	St	Stcu	10	10	10	10	10	10	j	I	I	h	j	j	...	...	id_0	d_0	...	d_0	c≏, cid_0m_0 *a* : cd_0m_0, c *p* : cid_0, p●^{0} *n*.
25	Frst:Stcu	Stcu:Acu:Ci	Frst:Stcu	7	6	7	10	9	10	l	k	j	l	k	h	...	...	...	...	...	...	bc *a* : bc, c *p* : c, cm_0 *n*.
26	St:Stcu	Stcu	St: Stcu	10	9	5	6	9	10	j	l	j	j	F	C	id_0	...	...	...	...	...	cid_0, bc *a* : bc, cm *p* : cm, f, cFe *n*.
27	Stcu	Stcu	Stcu	10	10	10	10	10	10	j	j	I	h	h	h	...	...	...	...	...	...	c, cm_0 *a* : cm_0 *p* : c, bcm_0 *n*.
28	Frst:Acu:Ci	St:Ast:Ci	St: Stcu	2	2	8	9	10	10	G	j	j	I	h	f	...	...	...	...	...	...	b≏m_0, c≏ *a* : cm_0≏ *p* : c≏, om_0≏ *n*.
29	St	St	Frst	10	10	10	9	3	1	f	E	F	h	j	k	d_0	d_0	d	...	...	...	od_0f, dm *a* : od, d_2, ●, bc *p* : bc, b≏ *n*.
30	Frst:Stcu	Nbst	Nbst	10	10	10	10	10	10	h	h	G	F	g	g	id_0	...	●	●	●	●^{0}	c≏, id_0, ●m_0 *a* : c●m_0 *p* : o●$^0m_0$≗ *n*.
31	Frnb	Frst:Stcu:Ast	Frst:Nbst	10	10	9	10	9	10	g	F	j	h	h	h	●	●	...	...	i●^{0}	...	o●≗, i●^{0}, c *a* : cm_0, ci●m_0q *p* : ci●^{0}, cm_0 *n*.
Mean Cloud Am'nt.				7·0	8·0	8·0	8·5	8·9	7·8	2												
Mean Annual Cloud Am'nt.				7·5	7·6	7·7	7·5	7·3	7·0													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

POTENTIAL GRADIENT (reduced to level surface): VOLTS PER METRE
Mean values for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

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Month	JANUARY Factor 5·75				FEBRUARY Factor 4·84				MARCH Factor 4·85			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	125	475	Z-	60	215	445	135	-20	Z+	Z+	300	545
2	260	415	365	310	20	235	325	-	140	155	265	280
3	135	-90	595	(825)	-	-	245	425	85	240	10	270
4	210	240	250	155	(725)	410	250	680	75	155	160	525
5	45	Z-	Z-	Z±	255	145	505	Z+	105	100	75	165
6	165	165	150	Z-	175	320	345	295	125	170	160	175
7	115	205	580	365	315	365	510	640	155	-35	-240	100
8	95	175	170	250	485	410	310	615	Z-	5	325	215
9	45	145	-	-	450	400	235	255	Z-	Z-	120	-5
10	-	-	85	235	120	180	330	350	75	15	160	50
11	180	205	195	210	230	215	470	Z+	140	95	115	170
12	280	215	400	275	420	290	460	Z+	185	185	75	255
13	135	-5	300	240	Z+	Z+	Z+	Z+	250	240	95	105
14	285	340	360	680	680	Z+	325	365	110	95	145	255
15	135	330	255	150	285	325	360	660	180	170	100	195
16	55	155	(855)	155	340	430	525	Z+	75	50	50	150
17	255	(765)	475	530	315	245	315	220	185	130	35	370
18	(590)	245	580	640	590	Z-	445	Z±	135	130	115	-50
19	335	420	795	340	Z-	240	Z±	205	45	350	190	335
20	-	Z+	Z±	285	-135	205	190	370	130	Z±	-	-
21	200	-125	65	250	205	Z-	160	Z-	-	-	190	-90
22	410	285	-	Z±	145	240	160	240	280	190	415	155
23	150	225	-	350	320	Z-	Z+	250	20	100	145	-15
24	385	-110	250	635	80	160	-40	160	35	255	175	515
25	320	Z-	335	Z±	80	110	100	315	225	260	-115	50
26	0	-	335	380	10	195	105	115	55	-70	5	-85
27	250	Z-	200	85	195	150	Z-	155	-80	-180	305	165
28	135	Z±	260	510	225	-135	-30	10	105	-30	245	120
29	200	275	95	460	0	330	440	Z+	255	Z-	-20	Z-
30	410	175	230	Z-					-60	-45	Z-	340
31	75	285	380	445					Z-	65	Z±	225
(a)	206	287	342	352	275	270	315	333	132	150	159	239
(b)	219	219	387	384	233	252	218	327	118	120	117	185
Mean	(a) 297		(b) 302		(a) 298		(b) 257		(a) 170		(b) 135	

Month	APRIL Factor 4·89				MAY Factor 4·64				JUNE Factor 4·33			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	110	130	150	620	115	160	70	220	110	105	100	-25
2	140	-0	205	265	150	180	155	135	160	135	Z±	80
3	(35)	(110)	(270)	150	85	-	-	-	15	55	75	105
4	100	125	190	510	-	-	125	10	-0	45	80	180
5	70	110	165	245	10	-125	-135	180	105	140	125	115
6	130	95	185	Z-	140	50	-20	140	75	100	90	160
7	-70	100	205	220	295	190	50	40	85	85	90	220
8	70	115	95	20	185	135	155	135	115	110	20	95
9	20	40	110	310	115	110	125	150	85	120	125	120
10	190	60	145	185	85	95	115	80	160	175	95	160
11	80	70	65	180	60	60	90	130	135	115	125	125
12	Z±	80	110	80	145	65	Z-	20	75	-15	10	85
13	95	Z±	Z-	80	80	105	95	75	80	55	70	135
14	85	40	25	110	75	130	130	200	80	110	-130	150
15	135	155	120	225	85	45	105	-0	140	70	Z-	160
16	100	Z-	125	140	120	95	205	85	135	Z-	160	100
17	205	200	170	200	5	50	5	95	120	250	360	170
18	325	145	Z+	265	Z+	25	155	280	90	155	120	125
19	110	115	Z-	220	265	100	95	105	245	265	170	230
20	160	150	Z+	110	10	85	125	120	170	90	160	85
21	145	160	170	50	85	140	150	150	80	300	180	190
22	85	210	Z+	260	125	85	100	165	55	55	40	220
23	120	90	150	Z-	20	110	90	90	165	235	115	155
24	-315	110	170	Z-	0	15	-5	10	235	450	135	125
25	170	100	110	210	90	205	90	305	305	100	55	15
26	230	Z-	Z±	150	330	35	105	150	10	150	85	245
27	110	100	150	345	95	85	110	(120)	35	55	90	60
28	90	155	210	Z-	75	115	110	95	55	105	125	145
29	115	115	105	375	120	90	Z-	45	230	20	115	-15
30	170	140	110	225	40	5	95	95	Z-	25	15	165
31					155	145	235	85				
(a)	126	116	146	221	109	97	115	121	120	131	109	140
(b)	104	104	142	247	108	93	94	121	117	132	101	130
Mean	(a) 152		(b) 149		(a) 111		(b) 104		(a) 125		(b) 120	

Note:- The Potential Gradient is reckoned as positive if the potential increases upwards. For Indeterminate Potential Gradient the following notation is used : Z+, Indeterminate, positive value; Z-, Indeterminate, negative value; Z±, Indeterminate in magnitude and sign
(a) Mean of all positive readings (b) Mean from all complete days using both positive and negative readings

POTENTIAL GRADIENT (reduced to level surface): VOLTS PER METRE
Mean Values for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

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Month	JULY Factor 4·53				AUGUST Factor 4·79				SEPTEMBER Factor 4·85			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	60	145	130	Z±	200	130	160	110	160	105	165	100
2	Z-	235	170	175	75	Z-	50	130	70	195	225	145
3	75	95	85	165	80	75	120	135	60	-30	-	-
4	120	220	120	130	190	110	150	150	-	-	-	-
5	245	90	115	265	130	130	150	150	-	-	110	155
6	280	Z±	115	95	105	110	95	285	80	125	80	30
7	10	90	155	75	150	100	140	165	Z±	140	120	125
8	345	150	85	180	495	235	120	80	220	275	140	325
9	155	100	Z±	Z+	185	150	130	275	75	30	185	130
10	100	200	130	Z±	120	210	150	220	(55)	(55)	220	75
11	355	170	105	Z-	60	170	130	180	(50)	(60)	180	185
12	130	80	110	20	120	230	20	215	110	-55	Z±	485
13	285	335	5	130	155	120	55	180	435	290	185	240
14	-30	145	25	Z-	135	350	210	240	-10	185	325	205
15	235	190	150	140	190	445	140	-	50	135	160	290
16	120	110	75	165	215	140	155	180	245	190	-	-
17	105	110	20	75	40	240	220	205	-	-	170	155
18	Z-	160	125	340	160	255	Z±	185	180	220	165	160
19	20	175	85	140	75	180	150	140	25	60	135	190
20	35	150	80	220	390	225	190	250	110	95	220	255
21	275	125	220	270	55	60	90	380	145	115	170	210
22	125	85	-85	225	30	90	210	235	(35)	380	145	230
23	170	Z-	120	75	225	245	60	150	60	190	190	200
24	-	-	-	-	100	195	110	110	110	210	130	150
25	-	-	70	125	150	150	165	175	Z-	Z-	125	190
26	150	150	Z-	200	300	125	210	375	95	170	195	250
27	160	175	120	110	130	285	275	(280)	20	135	90	120
28	165	205	Z+	95	370	300	310	385	75	110	180	230
29	130	185	Z-	Z+	(335)	(190)	265	155	200	170	110	165
30	225	170	135	105	95	150	170	185	115	100	140	260
31	Z-	295	125	140	90	120	150	180				
(a)	163	161	107	153	166	184	152	201	116	156	164	195
(b)	157	147	92	151	169	172	156	205	107	155	170	188
Mean	(a) 146		(b) 137		(a) 176		(b) 175		(a) 158		(b) 155	

Month	OCTOBER Factor 4·87				NOVEMBER Factor 4·84				DECEMBER Factor 4·87			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	50	120	145	140	195	270	Z-	125	135	155	135	115
2	75	70	140	150	305	110	210	215	145	210	175	285
3	95	70	260	195	115	100	220	150	380	370	155	130
4	75	170	265	90	290	Z-	165	Z-	Z+	Z-	255	40
5	95	165	215	395	200	275	80	140	-65	Z-	Z±	Z+
6	150	190	120	190	95	250	140	250	Z+	395	Z+	285
7	170	260	105	170	Z-	225	Z-	Z-	185	265	525	0
8	100	85	130	235	360	Z-	40	230	120	175	330	345
9	120	95	100	290	220	Z±	(Z-)	295	205	240	300	690
10	-330	185	90	250	210	260	Z±	Z-	715	490	280	245
11	160	120	135	255	300	125	290	Z-	375	160	-105	Z-
12	80	70	130	50	Z-	Z-	75	Z-	-180	405	Z+	Z+
13	105	105	215	420	70	165	190	340	445	300	235	Z-
14	150	265	215	150	Z-	Z-	150	Z±	Z-	Z-	195	Z+
15	50	110	75	145	175	-5	Z-	130	185	250	160	Z-
16	50	-10	140	Z-	65	200	155	-70	85	130	130	265
17	25	-10	Z-	Z±	Z-	Z±	Z-	Z-	115	230	Z-	185
18	Z+	125	Z+	Z+	190	210	175	535	105	Z-	165	245
19	20	120	Z-	495	170	160	295	350	185	115	Z-	Z-
20	155	150	130	150	265	665	595	(865)	40	75	10	120
21	100	20	185	170	655	550	585	Z+	-	95	Z-	20
22	105	100	160	225	710	605	555	340	130	285	Z+	245
23	85	-0	255	370	210	225	390	585	185	310	420	205
24	270	190	Z-	Z-	240	340	115	445	90	60	115	95
25	80	30	Z-	Z-	570	390	205	315	145	230	205	500
26	Z-	Z-	80	100	140	160	275	200	280	25	470	365
27	Z±	Z±	Z±	345	70	130	250	395	210	170	395	255
28	115	135	270	295	140	160	300	300	205	365	200	300
29	100	70	450	110	45	125	165	120	165	130	Z-	265
30	90	70	70	330	45	120	Z±	180	350	215	-	35
31	335	305	250	335					70	100	-	195
(a)	111	131	173	233	233	253	244	310	210	220	243	226
(b)	97	127	179	222	212	251	254	322	208	218	256	261
Mean	(a) 162		(b) 156		(a) 260		(b) 260		(a) 225		(b) 236	

Annual Means				
(a)	164	180	189	227
(b)	154	166	181	229
	(a) 190		(b) 182	

Note:- The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate Potential Gradient the following notation is used: Z+, Indeterminate, positive value; Z-, Indeterminate, negative value; Z± Indeterminate in magnitude and sign
(a) Mean of all positive readings (b) Mean from all complete days using both positive and negative readings

POTENTIAL GRADIENT (reduced to level surface): DIURNAL INEQUALITIES (in volts per metre)
The departures from the mean of the day are adjusted for non-cyclic change†

266 ESKDALEMUIR * 0a Days Only 1936

MONTH AND SEASON	Hour 0 to 1	G.M.T. 1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Non Cyclic Change†	No. of Days Used	Mean Values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m		
Jan.	-92	-118	-158	-94	-19	+124	+67	+96	+2	-12	+130	-24	-24	-81	-1	+41	-9	+57	+24	+33	+78	+61	+4	-68	-110	3	341
Feb.	-12	+2	-19	-57	-59	-49	-32	-6	-9	-2	-16	-25	-24	-23	-44	-13	-13	+46	+52	+66	+95	+70	+42	+28	-20	6	391
Mar.	+44	+52	+33	+4	+5	+3	-10	+10	-11	-40	-56	-73	-59	-37	-50	-51	-38	-3	+40	+110	+42	+35	+25	+26	+100	3	151
Apr.	+3	-42	-42	-53	-66	-44	-29	-19	-19	-19	-24	-18	-11	-1	+4	+15	+24	+32	+23	+94	+117	+31	+38	+7	-42	5	150
May	-19	-29	-43	-27	-32	-24	-17	-9	-2	-6	-5	-17	-9	-7	-10	+5	+12	+28	+25	+17	+29	+67	+43	+20	-15	6	130
June	-6	-25	-13	-8	+3	+15	+36	-6	+36	+43	+7	-16	-11	-12	+3	-12	-10	-6	+3	-5	+8	-1	-9	-15	-2	9	140
July	+41	+30	+43	+7	+10	+17	+4	-11	-7	-30	-29	-22	-40	-40	-27	-37	-39	-17	-14	+3	+33	+47	+40	+34	-13	8	149
Aug.	+12	-17	-24	+5	-17	-15	+27	-5	-26	-20	-19	-22	-28	-27	-17	-19	-16	+25	+35	+46	+9	+30	+62	+29	-17	12	187
Sept.	+12	-16	-24	-48	-58	-61	-58	-5	-17	-10	-5	-2	-12	-2	+17	+19	+21	+35	+82	+87	+59	+19	-25	+2	-47	8	149
Oct.	-29	-51	-58	-29	-37	-21	-16	-27	-35	-23	-40	-26	-10	-10	+5	+36	+59	+91	+62	+73	+55	+33	-5	+2	-19	11	183
Nov.	-48	-50	-45	-72	-71	-58	-74	-43	0	-46	-19	-20	-2	+25	+9	+79	+120	+140	+80	+64	+57	+25	-27	-27	-78	5	385
Dec.	+33	-63	-56	-85	-84	-77	-28	-34	-20	-35	-27	-9	+42	+7	+8	+55	+48	+72	+133	+60	+51	-4	-1	+18	-96	5	321
Year	-5	-27	-34	-38	-35	-16	-11	-5	-9	-17	-9	-23	-16	-17	-9	+10	-13	+42	+45	+54	+53	+34	+16	+5	-	-	223
Winter	-30	-57	-69	-77	-58	-15	-17	+3	-27	-24	+17	-19	-2	-18	-7	+41	+36	+79	+72	+56	+70	+38	+5	-12	-	-	359
Equinox	+7	-14	-23	-31	-39	-31	-28	-10	-21	-23	-31	-30	-23	-13	-6	+5	+17	+39	+52	+91	+68	+29	+8	+9	-	-	158
Summer	+7	-10	-9	-6	-9	-2	+13	-8	0	-3	-11	-19	-22	-21	-13	-16	-13	+7	+12	+15	+20	+36	+34	+17	-	-	151

267 ESKDALEMUIR * 1a and 2a Days Only 1936

MONTH AND SEASON	Hour 0 to 1	G.M.T. 1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Non Cyclic Change†	No. of Days Used	Mean Values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m		
Jan.	+20	-20	-81	-68	-131	-138	-140	-153	-145	-66	-72	-32	-2	+18	+76	+157	+156	+146	+238	+83	+48	+81	+26	-1	-22	5	297
Feb.	-21	-73	-161	-72	-80	-54	-50	-21	+10	-24	-46	-22	+1	+9	+12	+20	+43	+69	+80	+111	+127	+129	+7	-6	-3	3	200
Mar.	-3	+14	-8	-13	-4	+23	+31	+17	-6	-11	-4	-26	-26	-29	-48	-43	-9	+49	+42	+26	+27	+22	-2	-19	-26	9	163
Apr.	+21	-2	-51	-41	-55	-49	-12	-28	-44	-33	-15	-13	-15	-15	-4	-3	+21	+9	+7	+53	+106	+61	+40	+51	+66	8	150
May	+9	-5	+31	+7	-12	-18	-11	+4	-15	-27	-17	-24	-12	-3	+3	+10	+1	+4	+11	+12	+18	+30	+12	-6	-1	13	103
June	-17	-23	-4	-14	-3	+32	+46	+37	+16	+35	+18	-12	-16	-20	-53	-22	-6	-9	-5	0	+4	+15	+5	0	+35	11	114
July	-16	-46	-73	-70	-61	+45	+58	-21	-5	+81	+28	+6	-11	+1	+1	+24	+19	+26	+33	+21	-32	-14	-13	+20	-20	3	117
Aug.	-39	-27	+25	-4	-9	-21	+21	-20	+3	-23	-7	-33	-32	-28	-30	-21	-13	-11	+22	+21	+37	+109	+74	-4	+45	8	183
Sept.	-51	-55	-41	-46	-32	-43	-1	+33	+20	+18	-5	-2	+5	+11	+25	+22	-20	+5	+50	+80	+38	+34	-9	-31	+2	9	144
Oct.	-15	-55	-32	-32	-50	-32	-34	-32	-27	-53	-34	-13	-4	+16	+44	+45	+92	+38	+37	+23	+43	+50	+16	+3	+31	8	155
Nov.	-40	-99	-80	-46	-38	-23	-37	-73	-1	-27	-41	-29	-38	+8	-20	+99	+157	+96	+103	+63	+18	+59	+4	-12	+23	5	202
Dec.	-55	-50	-28	-60	-30	-28	-63	-55	-85	-75	-15	+7	+62	+32	+74	+95	+147	+104	+41	+50	-39	0	+3	-36	+101	4	244
Year	-17	-37	-42	-38	-42	-26	-16	-26	-23	-17	-17	-16	-7	0	+7	+32	+49	+44	+55	+45	+33	+48	+14	-3	-	-	173
Winter	-24	-61	-87	-61	-70	-61	-73	-75	-55	-48	-43	-19	+6	+17	+35	+93	+126	+104	+115	+77	+38	+67	+10	-14	-	-	236
Equinox	-12	-25	-33	-33	-35	-25	-4	-3	-14	-20	-15	-13	-10	-4	+4	+5	+21	+25	+34	+45	+53	+42	+11	+1	-	-	153
Summer	-16	-25	-5	-20	-21	+9	+29	0	0	+17	+5	-16	-18	-13	-20	-2	0	+3	+15	+13	+7	+35	+19	+3	-	-	129

† See page 23
* Note. For explanation of 0a and 2a Days, see page 164

MONTH	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
Day	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.
		Hours		Hours		Hours		Hours		Hours		Hours
1	2c	8·3	2c	8·3	0a	...	1a	0·1	0a	...	2b	3·6
2	0a	...	(1b)	---	1a	0·1	1b	1·6	0a	...	2c	4·1
3	1b	2·9	1b	---	1a	1·9	1a	1·7	0a	---	1a	0·3
4	1a	0·1	0a	...	2b	4·7	0a	...	1a	---	1a	2·7
5	2c	17·7	0a	...	1b	1·3	0a	...	2a	10·4	0a	...
6	2c	8·2	1a	0·1	1b	1·9	1b	0·8	2a	4·7	1a	0·7
7	2b	3·7	0a	...	2b	10·8	1a	1·4	1a	0·9	1b	0·3
8	2c	4·0	0a	...	2b	5·2	1a	2·1	1a	2·1	1a	0·2
9	(2c)	---	0a	...	2c	12·6	1a	0·7	1a	0·1	1a	0·1
10	(2c)	---	0a	...	1a	0·6	1a	0·4	1a	0·3	0a	...
11	1b	1·6	0a	...	0a	...	1b	0·5	0a	...	1a	0·1
12	1a	0·1	0a	...	0a	...	2c	1·9	2b	3·1	1a	0·8
13	2b	3·1	0a	...	1a	0·4	2c	3·9	1b	1·4	1a	0·7
14	0a	...	0a	...	0a	...	1b	2·4	0a	...	1a	1·5
15	0a	...	0a	...	1a	0·3	0a	...	1a	2·6	1b	0·7
16	1a	1·3	0a	...	1a	2·4	1b	0·8	1a	0·9	2c	6·8
17	1b	1·1	1b	2·0	1a	0·5	1b	0·6	2b	9·7	0a	...
18	0a	...	2c	8·6	2b	3·0	1c	2·5	1b	2·4	0a	...
19	0a	---	1c	2·5	2b	6·2	1b	0·3	1a	0·7	0a	...
20	1b	---	1a	0·6	2c	---	1b	1·2	1a	1·5	1b	0·9
21	2b	8·6	2c	9·2	2b	---	0a	...	0a	...	0a	...
22	(1b)	---	1b	2·5	1a	0·2	1b	1·1	1b	2·9	1b	2·3
23	1b	---	2c	5·5	2b	6·7	2b	5·9	1a	2·6	1a	0·8
24	1a	2·7	2b	4·1	1b	2·7	2b	10·1	1b	10·1	1a	0·9
25	2c	11·3	1	0·6	2a	8·1	1b	1·3	1a	0·3	0a	...
26	(1b)	---	2c	7·7	2b	14·7	2c	6·5	1a	0·3	0a	...
27	2c	7·1	2c	4·0	2c	12·6	1a	0·2	(1a)	1·1	0a	...
28	2c	4·7	2b	6·0	2b	5·7	2b	3·1	0a	...	1b	0·1
29	1a	0·1	1c	1·2	2c	11·3	1a	0·1	2b	4·3	2b	9·1
30	2c	5·2			2b	6·1	0a	...	2b	5·2	2c	4·6
31	1b	1·0			2c	6·5			2b	1·5		
Total	---	92·8	---	62·9	---	126·5	---	51·2	---	69·1	---	41·3
No. of Days Used	---	24	---	27	---	29	---	30	---	29	---	30
Mean	---	3·9	---	2·3	---	4·4	---	1·7	---	2·4	---	1·4

	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.
		Hours		Hours		Hours		Hours		Hours		Hours
1	1b	2·3	0a	...	1a	1·3	1a	0·1	2b	3·7	1b	(2·0)
2	1c	2·8	2c	6·9	1a	0·1	0a	...	1b	1·2	1b	1·6
3	0a	...	0a	...	2b	---	0a	...	1b	1·1	1b	1·7
4	0a	...	1b	0·7	2b	---	0a	...	2c	4·1	2c	3·4
5	0a	...	0a	...	1b	---	0a	...	2c	3·5	2c	6·5
6	1b	0·9	(2a)	(2·5)	1a	0·4	0a	...	1b	0·3	1a	0·3
7	1a	1·5	0a	...	2c	5·6	0a	...	2c	12·7	1a	1·3
8	0a	...	0a	...	1a	0·8	0a	...	2c	4·1	1b	2·4
9	2b	(3·1)	1a	0·5	(0a)	...	1b	2·7	2c	6·5	0a	...
10	1b	1·9	0a	...	(1a)	(0·1)	2b	6·3	2c	4·7	0a	...
11	2b	4·2	1b	1·6	0a	...	0a	...	2b	3·8	2c	8·7
12	1a	0·7	1b	2·5	2b	5·5	1a	0·1	2c	16·3	2c	6·1
13	1b	2·0	0a	...	0a	...	1a	0·8	1a	1·2	2c	5·1
14	1b	2·9	1a	0·1	1b	2·3	1a	1·7	2c	7·9	2c	9·0
15	0a	...	(1a)	0·4	1a	0·5	1a	0·8	2c	7·8	2c	5·0
16	0a	...	1a	0·2	0a	---	2b	3·8	1a	1·6	1b	1·9
17	1b	2·3	1b	0·7	0a	---	2c	6·3	2c	13·9	2c	4·4
18	2c	3·7	2c	3·1	0a	...	1c	1·9	1b	2·3	1b	3·0
19	1a	0·9	1a	0·9	0a	...	2c	8·0	0a	...	2c	8·6
20	1b	2·2	1b	0·9	1a	0·1	1a	0·2	0a	...	1b	1·5
21	0a	...	1a	0·1	1a	0·4	1a	0·3	0a	...	(2b)	(3·6)
22	2c	6·0	0a	...	1a	0·1	0a	...	0a	...	1b	2·8
23	2b	5·1	1a	0·1	0a	...	1b	2·7	(0a)	...	0a	...
24	(2c)	13·0	(1a)	0·1	2b	3·7	2c	11·8	1a	1·4	1a	0·5
25	2b	(4·2)	(1a)	0·3	2b	5·8	2c	7·3	0a	...	1a	0·3
26	2b	3·7	(1a)	1·2	1b	1·3	2c	5·5	0a	...	1a	0·5
27	0a	...	(0a)	...	2b	3·3	2c	4·3	1b	0·9	0a	...
28	1b	2·1	(0a)	...	(1a)	0·1	0a	...	1a	0·2	0a	...
29	1b	2·3	(1a)	0·5	0a	...	1a	1·5	1a	0·3	1b	2·7
30	2b	4·5	0a	...	0a	...	1a	0·7	1c	2·0	(2b)	(3·9)
31	2b	3·9	0a	...			0a	...			2c	(6·3)
Total	---	75·2	---	23·3	---	31·4	---	66·8	---	101·5	---	93·1
No. of Days Used	---	31	---	31	---	25	---	31	---	30	---	31
Mean	---	2·4	---	0·8	---	1·3	---	2·2	---	3·4	---	3·0

Annual Values Character Frequency ... 0 95 1 164 2 107 Duration ... Total. 835·1 hours No. of Days 348 Mean 2·40 hours

10 5/C 2/B/1936/012/01/BB/160 Greenwich

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

269 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — JANUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	520	518	515	513	512	512	513	511	507	506	506	506	509	516	517	516	518	523	525	529	527	524	521	521	516
2	519	521	518	518	516	517	517	516	512	514	512	512	516	520	523	523	522	527	527	527	525	531	525	524	520
3 Q	519	523	520	517	519	519	519	519	516	511	508	504	507	518	521	518	516	520	524	523	528	527	525	527	519
4 Q	523	523	523	520	520	522	522	519	515	511	507	508	512	520	520	520	522	524	531	527	529	531	531	527	521
5	524	523	523	525	524	524	527	527	527	523	516	515	512	514	515	517	523	525	527	529	529	530	529	527	523
6 Q	524	523	524	524	528	531	533	533	531	527	527	517	516	521	523	522	524	526	528	529	530	532	530	528	526
7 Q	525	525	527	529	530	529	529	527	523	516	515	516	517	523	527	527	528	531	532	532	532	533	534	529	527
8 D	528	526	527	532	539	547	539	526	526	526	524	515	497	505	505	500	498	503	500	513	514	517	522	530	519
9	524	514	517	524	530	533	523	522	510	513	497	500	509	514	513	505	516	518	509	501	479	493	506	513	512
10	509	513	513	517	528	531	531	522	521	513	500	505	507	508	513	507	504	505	522	495	507	514	511	513	513
11	513	513	514	517	521	522	523	526	515	509	513	513	504	513	508	509	521	512	524	525	524	524	522	524	517
12	524	541	515	510	531	537	527	530	526	519	504	498	495	501	501	513	508	514	516	532	507	513	514	518	516
13	519	536	527	522	522	535	524	523	516	508	515	508	505	512	518	500	517	520	517	514	495	503	517	523	517
14	514	514	509	511	515	524	521	516	512	496	500	496	503	515	519	521	518	511	520	523	524	520	527	517	514
15	515	518	518	523	517	527	528	527	514	515	518	510	514	516	516	518	520	522	527	523	526	527	522	521	520
16 Q	519	523	524	527	529	531	531	532	531	520	519	512	511	516	517	520	524	524	524	527	527	527	518	515	523
17	511	518	516	520	532	530	532	530	526	517	506	504	508	511	516	522	524	527	528	530	530	526	519	519	521
18 D	529	530	528	515	531	536	531	530	527	522	499	501	491	501	515	517	509	488	499	496	501	521	519	519	515
19	507	509	511	509	512	516	516	524	517	521	519	512	512	508	504	510	520	513	516	509	509	515	519	520	514
20	519	522	521	516	519	523	523	518	513	515	515	511	512	520	519	517	519	519	517	512	508	499	507	516	516
21	517	516	509	512	516	516	519	519	519	520	520	520	516	514	515	511	523	531	528	530	513	500	506	535	518
22	495	502	504	508	519	516	522	521	516	524	513	504	511	523	531	529	523	519	520	517	508	510	500	500	514
23	517	513	518	518	514	519	520	516	516	522	521	523	522	524	524	527	528	528	530	531	531	528	528	521	522
24 D	512	505	508	509	509	515	517	522	518	519	516	518	517	513	516	517	530	520	507	517	496	504	466	469	510
25 D	477	481	481	475	479	496	497	508	507	495	503	500	487	495	487	491	509	508	509	509	504	508	512	507	497
26 D	500	492	500	500	508	504	507	511	500	495	487	483	486	505	500	495	500	517	517	518	515	511	499	514	503
27	514	512	519	515	507	519	514	513	515	511	507	503	511	511	512	511	515	511	519	517	515	519	541	513	514
28	508	513	509	515	519	524	519	515	508	508	504	504	511	515	512	511	515	519	521	523	507	518	519	519	514
29	519	519	518	516	517	519	519	517	517	519	519	518	518	519	519	521	520	515	514	513	505	514	520	510	517
30	508	510	508	505	513	514	525	522	513	512	504	497	495	505	507	507	519	512	518	525	520	519	501	505	511
31	520	503	508	509	513	513	512	510	504	504	505	505	501	509	512	512	516	520	524	518	520	516	537	517	513
Mean	515	516	515	515	519	523	522	521	517	514	510	508	507	513	514	514	518	518	520	520	516	518	518	517	516

10 5/D 2/B/1936/011/0-/BB/813

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

270 ESKDALEMUIR (D) — 13° + — JANUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	41·2	40·9	40·6	41·2	42·3	41·8	42·1	42·3	42·7	43·6	44·6	45·3	46·1	46·2	45·9	44·5	44·9	44·7	42·0	43·2	43·3	42·3	42·2	42·3	43·2
2	41·7	42·1	41·3	41·1	41·3	41·4	41·6	41·6	42·3	43·2	44·3	44·8	45·3	45·1	44·2	44·1	44·2	43·8	43·6	43·9	43·2	42·7	42·5	42·1	43·0
3 Q	41·4	41·2	41·2	41·4	41·5	41·4	41·5	41·5	41·6	42·6	43·4	43·9	44·3	45·3	44·9	44·7	45·0	44·3	44·2	43·2	41·5	42·4	42·3	42·1	42·8
4 Q	40·3	41·3	41·2	41·3	41·3	41·5	41·7	41·6	41·6	42·5	43·3	44·1	44·4	45·3	44·5	44·2	44·3	44·1	44·3	43·9	42·5	43·1	42·1	42·2	42·8
5	41·4	41·1	42·1	42·2	41·9	42·3	41·4	41·9	42·5	41·2	40·9	43·2	44·4	44·5	44·2	44·1	43·6	43·4	43·2	43·0	42·2	42·2	42·2	42·1	42·5
6 Q	42·1	42·0	41·8	41·3	41·8	42·2	42·2	42·2	41·6	42·2	43·3	43·5	45·1	46·1	46·1	45·2	45·2	44·8	43·8	43·0	42·1	41·4	42·0	41·6	43·0
7 Q	42·1	42·3	43·0	43·1	42·4	42·4	42·1	41·6	41·0	40·4	42·3	43·6	44·8	45·1	44·8	44·1	44·0	43·2	43·1	42·5	42·1	42·1	41·5	41·2	42·7
8 D	41·2	41·4	42·5	42·3	42·3	41·9	41·0	42·0	42·1	41·8	43·1	44·4	47·9	48·1	50·1	49·2	46·5	44·8	42·5	42·8	40·9	40·2	39·0	39·2	43·2
9	38·2	40·3	41·6	45·2	42·0	41·5	42·5	43·2	43·9	45·0	44·3	45·0	45·3	45·3	45·2	44·1	43·2	44·2	42·5	39·7	33·5	35·2	38·5	40·0	42·1
10	40·2	43·1	43·1	43·2	43·1	44·2	44·3	43·1	42·0	43·2	45·2	48·1	47·5	48·1	44·4	45·6	45·6	42·9	31·4	36·6	38·2	40·9	41·1	40·4	42·7
11	41·6	43·1	42·3	42·6	42·1	42·1	41·4	41·5	42·1	46·1	45·5	46·0	45·2	46·1	44·4	41·8	42·5	41·4	41·6	42·2	41·3	41·2	41·2	41·3	42·8
12	42·1	42·5	39·7	42·6	42·5	41·6	43·9	43·3	43·4	35·0	35·0	36·8	47·4	50·3	47·4	46·8	43·5	42·3	40·5	32·7	34·9	38·5	39·4	40·5	42·6
13	40·6	45·2	40·5	38·2	40·3	41·2	42·3	44·3	43·4	42·9	45·2	44·6	46·6	44·3	44·7	42·6	42·8	44·5	36·8	38·1	35·4	39·5	39·3	38·7	41·7
14	38·2	39·5	39·2	39·8	40·4	41·1	41·9	42·1	42·4	42·4	44·0	44·0	44·0	45·1	44·8	44·1	43·8	43·5	43·9	43·7	42·3	42·0	36·1	39·2	42·0
15	38·4	41·3	42·2	42·5	42·5	42·5	42·3	42·4	42·9	42·1	44·0	43·2	44·5	45·8	45·0	44·2	43·4	41·6	43·0	42·4	41·8	41·9	39·5	39·7	42·5
16 Q	41·0	42·3	42·4	42·5	42·5	42·5	42·4	42·3	41·5	41·4	42·4	43·1	44·8	46·0	45·7	44·9	43·6	43·3	42·8	42·4	41·6	41·6	39·7	38·3	42·5
17	41·0	40·6	40·6	42·7	39·2	39·2	41·2	41·2	41·2	41·0	42·2	43·4	45·0	45·7	45·2	44·3	43·7	43·3	42·5	42·5	42·4	42·3	41·3	40·3	42·2
18 D	41·7	42·4	41·7	44·2	46·3	36·5	38·4	41·2	40·8	42·7	43·5	47·6	47·3	51·3	48·1	47·9	47·2	45·4	40·5	43·8	41·4	41·5	40·5	36·4	43·3
19	37·7	38·7	39·4	41·2	39·7	40·4	41·3	41·6	41·6	42·7	43·4	43·9	44·3	46·5	46·5	45·7	45·4	44·5	42·1	34·7	39·3	41·5	42·3	42·4	41·9
20	41·8	42·0	42·0	41·6	42·4	42·3	41·6	41·5	41·8	42·7	43·4	44·5	44·6	46·2	46·0	46·1	46·4	47·4	47·2	46·8	40·4	38·4	39·7	40·7	43·2
21	40·5	38·1	40·3	40·5	38·8	41·4	40·7	41·3	41·8	42·5	42·4	42·3	42·5	46·2	47·3	45·8	45·5	45·5	46·2	45·6	44·4	39·5	40·3	35·7	42·3
22	34·4	35·3	34·7	34·5	35·6	38·3	39·3	40·3	42·1	44·4	45·1	44·5	48·4	48·7	48·5	47·6	49·7	45·7	45·7	46·6	47·2	42·6	37·2	35·6	42·3
23	36·2	37·5	37·4	35·3	39·5	42·4	41·0	40·6	44·4	44·0	44·2	44·2	45·3	45·5	44·5	45·0	44·4	44·0	43·4	43·2	42·4	41·9	41·8	41·2	42·1
24 D	38·6	31·6	34·7	39·3	40·4	41·3	41·2	41·5	42·3	42·6	42·7	44·2	44·4	45·7	45·4	45·4	45·3	47·8	50·5	56·0	44·6	38·6	33·5	34·4	42·1
25 D	32·7	38·6	41·6	40·3	39·4	38·3	40·3	41·3	42·5	43·0	44·4	45·5	45·2	48·8	50·6	47·2	43·9	44·3	42·3	42·7	41·4	41·2	40·8	38·9	42·3
26 D	33·8	32·6	36·2	35·3	36·2	39·3	41·7	44·7	44·2	44·6	45·2	49·4	45·9	48·0	46·0	45·2	44·2	43·3	42·1	41·5	41·7	28·2	39·8	41·6	41·3
27	40·8	41·3	42·4	38·4	40·0	41·0	40·7	39·6	40·6	41·4	42·0	43·3	44·4	46·7	47·3	46·4	44·6	41·7	42·7	42·4	41·4	40·7	36·4	37·7	41·8
28	37·4	39·3	38·4	39·5	37·4	39·2	43·6	41·2	40·2	41·4	42·5	42·6	45·5	43·8	44·6	44·3	42·7	43·4	43·2	43·3	40·5	41·5	41·4	41·4	41·6
29	41·4	41·3	40·5	41·3	41·3	41·4	41·0	41·3	42·3	42·6	43·4	43·5	43·3	43·1	42·5	43·3	44·6	44·0	42·6	43·3	36·0	41·6	40·3	37·4	41·8
30	39·3	38·7	38·5	40·0	38·3	38·3	42·4	41·0	42·4	43·7	44·5	46·0	46·0	45·4	44·3	42·3	45·3	44·1	44·4	43·2	39·4	39·4	38·5	39·3	41·9
31	35·3	34·3	38·2	40·1	40·5	40·6	40·4	40·5	41·4	41·8	43·4	44·9	44·3	45·3	44·7	45·0	43·6	42·3	43·5	42·3	38·4	40·4	40·5	39·3	41·3
Mean	39·5	40·1	40·4	40·8	40·8	41·0	41·6	41·8	42·1	42·8	43·7	44·6	45·3	46·2	45·7	45·0	44·6	44·1	42·8	42·6	40·9	40·5	40·1	39·8	42·4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

Blue

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

271 ESKDALEMUIR (V) 55° 19' N 3° 13' W 44,000 γ (·44 C.G.S.unit) + JANUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	887	884	884	886	889	890	890	890	890	890	890	890	890	890	891	890	890	890	890	889	889	889	889	889	889
2	890	889	889	889	888	888	889	889	888	887	886	885	885	888	889	889	889	889	889	889	889	888	889	889	888
3 Q	889	888	888	887	887	889	889	889	889	889	889	890	886	885	886	886	889	889	889	890	889	887	886	885	888
4 Q	886	886	885	884	884	884	884	886	888	889	889	889	884	883	884	884	884	884	885	887	888	886	888	887	886
5	888	888	886	884	884	884	884	884	884	884	886	884	884	884	885	885	885	884	886	886	887	886	886	886	885
6 Q	886	886	884	884	883	882	880	882	883	884	885	885	881	882	884	885	885	885	887	887	888	887	885	885	884
7 Q	885	884	881	880	879	879	879	879	881	879	879	879	879	879	882	884	884	884	884	883	883	883	884	885	882
8 D	884	884	882	881	879	876	875	878	879	879	878	881	885	891	896	902	902	902	905	897	896	891	887	879	887
9	868	873	878	873	874	874	877	878	880	881	884	884	884	884	885	891	891	892	896	905	907	898	884	874	884
10	873	877	881	884	884	880	877	879	881	879	878	880	886	892	903	903	905	905	906	899	897	892	891	891	888
11	887	886	886	887	886	886	885	884	886	885	886	890	890	892	897	903	902	902	899	892	892	891	890	889	891
12	887	878	880	882	880	880	880	879	880	880	885	885	886	892	908	905	909	905	904	898	893	892	888	886	889
13	885	885	862	874	878	879	879	879	880	882	886	890	892	899	899	905	903	897	900	898	900	895	889	882	888
14	881	880	880	881	885	886	886	887	891	892	890	891	892	891	892	892	897	898	896	892	892	892	893	889	889
15	887	886	886	886	885	885	885	885	885	884	883	883	885	886	892	893	896	896	892	892	892	891	890	887	888
16 Q	885	883	885	885	886	886	885	885	885	886	885	885	883	883	886	890	891	891	890	889	888	886	890	892	887
17	889	886	885	884	879	879	880	881	882	881	880	879	876	880	886	887	888	888	888	887	887	887	889	890	884
18 D	886	886	886	884	868	865	870	870	875	879	882	882	884	887	893	893	902	911	921	916	920	902	897	894	890
19	891	888	887	886	886	883	883	882	881	877	879	880	881	882	887	887	890	894	895	900	896	893	889	887	887
20	887	882	880	881	881	881	881	881	881	881	884	886	881	881	883	886	887	887	891	896	904	904	896	892	887
21	891	887	887	886	886	886	886	883	881	881	881	881	880	877	886	886	886	886	888	890	901	911	905	892	888
22	890	890	888	884	878	877	877	877	878	878	881	881	876	875	876	876	888	892	899	899	905	910	907	905	887
23	898	899	890	882	881	877	878	878	876	880	885	882	881	881	882	882	882	883	883	882	885	887	887	888	884
24 D	892	889	886	886	885	884	883	882	882	882	882	881	881	878	882	882	884	882	924	992	1039	987	977	924	906
25 D	929	922	917	911	889	885	888	893	891	895	899	898	895	904	917	922	921	911	905	902	904	901	899	899	904
26 D	903	884	881	888	888	888	878	870	870	875	883	888	891	894	900	917	917	905	900	899	899	901	894	894	892
27	895	895	894	893	893	888	884	888	887	888	893	893	891	897	900	902	904	903	900	899	898	895	890	884	894
28	887	888	887	876	876	876	886	870	881	885	889	889	888	889	891	893	894	894	895	895	901	899	894	894	887
29	894	894	894	894	893	892	892	891	889	888	889	890	886	886	887	890	895	899	900	901	905	899	895	892	893
30	892	892	894	894	894	893	887	886	887	886	890	892	894	894	895	900	899	902	903	900	901	899	899	898	894
31	883	888	893	894	894	894	894	894	892	892	889	888	888	892	895	898	899	900	899	898	899	900	889	889	893
Mean	889	887	886	885	884	883	882	883	883	884	885	886	885	887	891	893	895	895	896	898	900	897	894	890	889

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

272 ESKDALEMUIR JANUARY, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 16,000 γ+			Minimum 16,000 γ+		Range	Maximum 13° +			Minimum 13° +		Range	Maximum 44,000 γ+			Minimum 44,000 γ+		Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	1	12	540	503	11	53	37	13	31	47·0	39·2	1	3	7·8	14	35	894	883	1	20	11	100	0	81·8
2	21	24	540	507	9	3	33	12	5	46·2	40·2	3	18	6·0	17	10	890	883	12	9	7	82	0	81·8
3 Q	23	40	534	502	12	12	32	13	50	45·5	39·9	20	20	5·6	11	30	891	884	13	30	7	82	0	81·8
4 Q	21	3	538	507	10	28	31	13	35	45·5	39·2	0	19	6·3	11	20	890	879	13	10	11	83	0	81·7
5	8	42	535	511	12	33	24	13	18	45·2	40·1	11	4	5·1	0	1	889	883	13	30	6	68	0	81·6
6 Q	18	9	538	515	11	42	23	14	18	46·5	41·1	3	28	5·4	0	1	888	879	6	0	9	73	0	81·4
7 Q	18	0	543	512	11	54	31	12	41	45·3	40·1	9	5	5·2	0	1	885	878	10	10	7	84	0	81·3
8 D	23	50	570	472	12	56	98	13	59	52·1	37·2	22	36	14·9	18	18	908	866	24	0	42	344	1	81·3
9	0	1	557	468	20	27	89	3	12	47·4	32·1	20	56	15·3	20	38	908	865	0	5	43	342	1	81·3
10	18	24	566	474	19	36	92	13	14	51·1	22·2	18	22	28·9	18	19	915	872	0	1	43	342	1	81·3
11	7	52	529	497	17	45	32	11	8	47·7	37·8	17	54	9·9	15	50	904	883	9	55	21	134	1	81·3
12	19	44	550	478	14	5	72	13	41	52·4	28·4	19	40	24·0	14	32	910	874	1	48	36	271	1	81·3
13	1	45	556	470	15	22	86	1	47	49·5	28·8	18	48	20·7	15	30	906	858	2	12	48	342	1	81·3
14	22	40	531	492	9	52	39	10	52	46·1	32·9	22	32	13·2	17	44	899	879	2	4	20	152	1	81·3
15	21	45	535	506	11	37	29	13	18	47·2	37·2	0	12	10·0	16	19	897	880	11	9	17	108	0	81·3
16 Q	7	0	534	511	12	26	23	13	40	46·1	37·3	23	11	8·8	23	0	892	880	12	50	12	107	0	81·2
17	4	34	538	502	11	42	36	13	6	46·6	37·4	4	49	9·2	23	34	892	876	12	20	16	135	0	81·2
18 D	5	1	543	458	17	53	85	13	11	53·6	33·2	23	18	20·4	18	6	933	863	5	4	70	460	1	81·2
19	7	34	532	497	19	59	35	14	8	49·5	33·0	19	26	16·5	19	57	901	876	9	42	25	159	1	81·2
20	23	20	533	474	21	22	59	18	3	47·5	34·4	20	44	13·1	20	39	906	877	2	39	29	216	1	81·2
21	23	40	563	482	21	12	81	14	52	49·2	32·3	23	39	16·9	21	14	917	876	13	10	41	306	1	81·1
22	9	11	538	473	0	28	65	17	33	50·5	32·3	0	34	18·2	21	52	912	874	13	3	38	287	1	81·1
23	19	10	538	503	0	2	35	13	26	46·6	34·4	3	35	12·2	0	1	901	875	8	53	26	175	1	81·1
24 D	19	12	559	433	22	11	126	19	46	60·5	20·4	22	16	40·1	21	3	1053	877	13	26	176	982	2	81·1
25 D	7	16	526	459	0	13	67	14	17	53·4	31·3	0	14	22·1	0	5	941	881	5	49	60	374	1	81·0
26 D	21	13	574	461	10	16	113	11	21	53·2	15·5	21	12	37·7	16	5	923	870	9	0	53	406	1	81·0
27	22	42	567	499	11	22	66	13	2	48·7	33·5	22	36	15·2	16	57	904	882	6	57	22	208	1	81·0
28	4	7	535	492	3	1	43	12	24	47·6	35·5	2	38	12·1	20	43	905	863	6	34	42	256	1	80·8
29	23	0	539	487	20	15	52	17	9	45·5	32·0	20	24	13·5	20	20	908	885	13	0	23	188	1	80·9
30	6	5	538	486	12	24	52	11	18	48·0	36·1	22	47	11·9	18	3	905	884	9	12	21	183	1	80·8
31	22	32	552	496	12	30	56	11	50	45·6	31·9	1	27	13·7	17	9	902	881	1	46	21	182	1	80·7
Mean	--	--	544	488	--	--	56	--	--	48·6	33·8	--	--	14·8	--	--	909	876	--	--	32	233	0·71	81·2
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

10-5/B/1936/022/01/BB/160 Green.
0-2

250

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

273 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — FEBRUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	508	513	512	517	517	520	516	516	514	509	504	505	510	512	520	519	520	521	524	522	518	521	517	514	515
2	520	516	516	516	516	520	518	517	512	510	505	501	503	508	514	525	521	529	513	500	500	500	503	496	512
3	504	505	504	503	501	500	520	518	518	509	497	504	510	519	520	522	518	514	505	516	519	525	517	517	512
4	520	522	525	526	525	529	527	524	496	513	512	512	508	511	509	505	504	505	509	512	516	516	518	516	515
5 Q	520	521	524	523	523	520	520	527	526	518	516	515	516	508	513	517	521	522	525	525	525	525	522	517	520
6	533	526	524	526	529	534	534	532	529	523	521	516	515	516	518	516	516	516	524	524	521	520	520	525	523
7 Q	525	525	528	532	533	536	536	530	533	534	528	525	528	532	536	528	520	522	516	520	525	526	524	529	528
8	524	524	527	524	528	528	528	527	528	523	513	513	519	528	532	524	519	519	519	513	511	508	524	527	522
9	524	526	528	524	541	536	539	530	526	512	503	510	508	506	512	511	507	515	531	528	511	519	519	513	520
10	508	518	500	513	522	523	523	521	522	519	499	507	500	508	517	514	487	515	516	516	511	522	498	508	512
11	524	531	511	515	515	510	521	530	520	508	500	504	507	507	514	518	519	521	520	522	521	527	531	526	518
12	520	519	519	519	524	523	523	526	519	519	511	507	505	511	515	519	520	525	525	528	528	528	528	525	520
13 Q	528	527	526	527	528	530	531	533	531	528	519	512	514	517	516	517	519	520	528	529	528	528	527	527	525
14	532	523	525	526	528	528	532	536	533	533	519	522	524	536	545	553	509	511	516	512	515	511	504	512	524
15	511	508	511	511	507	511	517	517	515	514	511	506	508	508	524	527	491	510	511	516	519	504	503	507	511
16 D	524	518	524	525	527	530	528	519	517	515	503	463	493	528	515	516	499	511	520	538	539	520	525	524	518
17 D	517	524	504	511	500	511	512	504	504	510	512	504	517	517	523	499	504	509	536	486	487	502	496	499	508
18	506	496	498	498	498	502	500	498	505	508	501	497	495	505	503	507	507	512	510	507	510	510	514	515	504
19 D	514	523	518	518	510	507	514	513	514	518	507	486	481	499	490	507	515	510	514	507	490	480	478	494	504
20	498	518	505	498	506	504	508	510	506	506	503	500	503	506	510	501	506	514	519	510	506	518	510	501	507
21 D	502	515	507	510	518	522	505	518	523	524	503	503	510	505	495	499	514	518	530	512	499	487	502	503	509
22 D	509	527	503	520	499	511	506	518	490	488	509	506	505	499	481	495	507	514	518	523	506	539	503	499	507
23	506	505	511	521	513	509	508	511	514	511	506	498	511	504	509	514	509	503	513	510	494	507	506	501	508
24	504	511	507	506	505	507	509	506	504	497	496	498	495	506	513	517	517	513	521	519	529	537	513	511	510
25	514	517	515	516	517	517	518	518	517	517	509	509	509	509	500	515	517	517	526	505	506	497	509	514	513
26	521	517	509	509	515	511	511	521	522	511	498	494	494	511	509	518	517	517	502	521	497	502	510	517	510
27	493	499	513	506	505	505	491	509	509	497	509	507	510	502	508	499	514	514	509	515	517	522	517	517	508
28 Q	514	517	513	513	513	513	513	513	509	508	501	498	495	501	504	513	513	519	523	526	521	523	521	522	513
29	525	521	521	518	521	522	524	523	522	513	500	509	517	517	531	526	514	523	524	518	525	522	525	520	520
Mean	515	518	515	516	517	518	518	519	516	514	507	504	507	512	514	515	512	516	519	517	514	515	513	514	514

10-5/B/1936/021/01/BB/B13. Yellow.
0-2

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

274 ESKDALEMUIR (D) — 13° + ? — FEBRUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 Q	39·3	41·3	39·7	39·4	38·5	39·1	39·5	40·4	41·4	42·0	43·2	44·2	45·6	45·9	45·7	45·3	45·4	45·3	44·2	44·0	41·7	41·2	40·7	41·4	42·3
2	41·4	40·5	40·4	40·9	40·4	40·6	40·6	40·4	41·3	41·5	43·4	43·6	45·2	45·5	45·4	47·4	47·2	50·2	49·4	51·4	42·7	42·4	40·4	35·6	43·2
3	37·5	36·4	36·4	34·3	35·2	37·3	37·6	39·3	40·7	41·6	41·9	43·5	45·6	45·4	44·0	43·3	43·3	43·0	42·5	42·3	42·2	41·3	41·4	41·3	40·7
4	41·5	41·4	43·2	40·5	42·2	41·3	39·7	41·4	44·4	48·8	47·8	46·6	45·8	46·2	45·2	45·0	43·9	43·6	41·5	40·3	41·5	41·0	40·5	40·4	43·1
5 Q	40·4	40·8	40·8	40·2	40·3	40·3	40·4	40·4	40·4	40·4	40·4	42·6	43·0	45·2	44·5	43·3	43·3	42·6	42·5	42·3	41·7	41·5	41·4	39·7	41·6
6	41·4	39·3	39·1	40·4	40·6	41·3	41·3	41·3	41·0	40·5	41·2	42·4	43·2	43·2	43·5	43·5	43·4	43·3	43·4	43·2	42·4	41·4	40·6	41·3	41·8
7 Q	41·4	41·8	41·7	42·3	41·8	41·9	41·7	41·4	42·3	42·5	42·0	42·3	42·2	41·3	41·6	42·3	42·4	42·0	41·4	41·5	42·1	41·2	40·0	40·3	41·7
8	40·6	40·9	41·3	41·4	41·3	41·0	41·0	40·9	41·4	41·3	41·8	43·2	43·8	44·0	43·3	42·4	42·2	42·0	42·4	42·8	41·0	38·7	40·6	41·5	41·7
9	41·5	40·6	39·6	42·6	40·6	39·6	41·4	41·3	41·4	42·1	45·3	46·5	48·7	48·7	46·6	44·5	41·5	37·5	43·6	43·4	40·5	38·3	38·6	41·6	42·3
10	39·5	36·7	36·7	40·4	38·6	39·4	40·4	40·6	41·5	42·5	42·3	46·4	46·7	45·2	46·1	46·5	36·5	41·4	41·5	39·5	37·5	33·5	29·5	38·8	40·3
11	38·6	42·8	39·7	39·5	40·4	43·6	41·5	41·5	40·7	41·3	43·1	44·5	45·7	45·5	43·6	43·6	43·3	41·5	40·7	40·6	41·3	39·5	39·1	40·5	41·8
12	40·6	40·5	40·6	40·7	41·4	40·4	39·7	39·8	39·5	40·6	41·5	42·5	44·6	44·2	44·5	44·4	43·4	43·4	41·5	42·3	41·4	40·7	40·6	40·5	41·6
13 Q	40·5	40·6	40·7	41·4	41·1	41·1	41·4	40·7	40·9	41·5	42·8	43·6	45·4	45·3	45·1	43·6	42·6	42·4	41·5	41·6	40·7	40·5	40·5	40·4	41·9
14	39·5	40·6	41·3	41·4	41·4	41·4	40·5	40·8	41·4	41·5	42·4	44·4	44·4	45·8	47·4	48·5	47·8	44·1	43·5	40·6	37·8	40·2	39·6	40·4	42·4
15	37·3	39·7	35·7	37·4	39·6	40·3	39·7	40·6	40·7	41·1	42·5	45·3	46·5	45·7	44·7	46·3	42·6	42·7	41·7	41·5	39·7	35·5	35·8	36·6	40·8
16 D	34·8	38·5	37·8	39·6	39·8	40·6	41·8	42·6	44·5	44·9	45·5	44·5	49·1	50·6	49·6	43·8	46·7	48·7	45·6	46·7	43·7	34·6	37·5	39·6	43·0
17 D	36·6	37·0	33·2	32·0	33·8	36·6	37·8	38·6	40·9	41·6	44·6	48·2	49·3	52·7	51·5	49·4	46·9	40·7	37·6	32·4	38·8	35·0	36·3	37·6	40·4
18	37·7	38·8	39·6	39·6	38·7	39·6	39·6	40·2	41·9	42·1	43·0	43·8	45·1	46·0	45·6	44·6	41·5	39·0	42·7	42·5	39·6	39·5	40·6	40·6	41·3
19 D	39·7	40·4	38·3	37·5	39·9	40·5	39·8	44·5	43·8	42·6	43·5	45·8	46·5	48·5	48·2	48·5	38·1	44·5	45·8	42·6	33·8	33·8	33·7	36·2	41·5
20	38·8	42·6	35·6	39·2	38·0	40·5	40·5	40·6	40·6	40·5	41·4	42·8	44·4	43·9	44·4	42·9	40·8	41·0	41·8	41·0	41·5	38·1	38·2	38·4	40·7
21 D	38·5	42·6	38·1	37·2	35·6	37·4	40·6	42·2	41·5	42·6	42·7	42·8	47·5	49·9	50·8	49·5	48·7	47·6	38·6	43·1	41·5	34·6	38·6	38·7	42·1
22 D	38·3	33·4	34·5	32·9	38·6	41·8	40·6	40·9	43·6	46·0	42·6	44·5	46·5	46·6	47·2	46·2	44·4	43·4	42·0	41·4	40·5	30·6	34·6	37·8	40·8
23	38·7	40·6	39·3	38·6	38·0	38·6	39·7	41·1	41·5	41·6	42·4	43·7	46·5	47·6	46·5	45·8	45·4	45·5	44·6	39·6	39·5	39·9	41·4	30·4	41·5
24	35·2	35·5	37·4	39·5	40·0	40·5	40·6	41·5	41·6	41·5	42·8	44·9	46·9	46·5	46·0	44·4	43·5	43·2	42·6	42·8	40·7	38·6	38·3	38·4	41·4
25	39·5	39·4	40·7	39·0	39·5	39·4	39·2	39·5	39·5	39·9	41·6	43·5	47·4	49·2	47·9	45·8	44·5	43·9	43·6	39·5	41·5	39·9	36·1	38·2	41·6
26	39·1	37·5	37·4	36·4	35·4	37·0	38·6	38·8	38·6	39·8	42·5	45·5	48·9	52·3	53·6	52·7	48·7	44·8	41·6	39·9	35·0	36·5	38·5	29·4	41·2
27	26·6	34·5	34·6	34·1	38·5	38·2	41·8	40·5	39·6	39·4	40·6	44·6	48·7	47·8	48·5	46·7	46·2	42·5	40·9	42·9	40·8	39·6	39·5	36·6	40·6
28 Q	38·4	40·6	40·2	39·0	38·8	39·7	39·5	39·5	39·0	39·5	40·9	42·8	43·6	45·5	43·9	43·7	43·3	42·8	41·9	41·7	41·0	41·5	40·8	40·6	41·2
29	40·5	39·7	39·5	39·6	39·6	39·6	39·0	39·4	38·7	39·4	42·7	45·4	48·6	46·9	47·3	47·1	45·4	44·2	43·8	42·8	42·7	41·3	41·6	36·5	42·1
Mean	38·7	39·5	38·7	38·9	39·2	40·0	40·2	40·7	41·2	41·7	42·7	44·3	46·0	46·6	46·3	45·6	43·9	43·3	42·6	41·9	40·5	38·6	38·8	38·6	41·6

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

0723

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

275 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — FEBRUARY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	893	891	894	895	892	891	891	892	891	889	888	888	885	889	891	893	894	895	896	900	900	900	898	896	893
2	895	895	895	894	894	893	893	891	891	889	891	892	889	892	894	894	896	900	912	935	939	930	923	918	901
3	905	901	900	900	900	896	883	883	885	889	893	891	888	887	890	894	895	896	900	900	900	896	898	895	894
4	895	892	889	884	884	885	887	887	890	889	891	895	895	895	899	904	908	908	908	906	901	900	899	896	895
5 Q	895	892	890	890	890	889	889	886	890	895	892	892	890	889	890	894	895	895	894	895	894	894	896	896	892
6	889	885	884	884	883	883	883	883	886	891	890	890	890	894	895	896	896	897	895	895	895	895	896	892	890
7 Q	892	891	891	890	889	889	889	887	883	883	883	883	880	879	886	887	889	891	894	895	892	892	892	890	888
8	890	890	888	889	889	889	889	888	887	887	884	883	883	883	884	889	891	893	896	896	901	900	894	890	890
9	890	890	886	884	867	873	878	879	879	880	884	883	886	890	898	903	910	909	896	893	899	897	896	885	889
10	867	866	872	877	883	884	883	884	883	884	886	883	886	890	892	900	919	915	907	906	907	896	890	884	889
11	877	871	883	889	890	889	886	885	886	886	887	886	890	894	896	897	899	900	899	896	896	895	889	883	890
12	887	890	891	892	890	890	890	889	889	888	886	886	886	890	894	895	896	896	894	892	890	890	890	890	890
13 Q	890	890	890	890	890	890	889	884	884	886	883	883	884	884	886	890	891	893	891	890	890	890	890	890	888
14	886	889	889	891	891	891	890	887	887	889	886	885	883	879	880	894	908	906	902	904	904	901	902	900	893
15	901	895	891	890	893	897	896	892	890	887	885	884	882	885	890	898	914	910	908	904	902	902	897	891	895
16 D	873	874	878	879	879	879	880	883	884	880	878	884	880	884	896	917	915	926	927	907	908	911	908	901	893
17 D	896	881	881	882	880	876	881	881	885	886	885	883	885	890	902	931	948	955	934	906	917	908	902	897	899
18	892	890	888	893	897	898	898	897	894	891	890	891	894	900	902	907	915	920	914	910	907	904	902	897	900
19 D	897	894	888	881	884	887	892	888	888	888	885	886	891	896	903	926	950	939	938	940	938	884	908	910	903
20	903	873	874	891	897	898	898	897	896	891	888	886	886	891	892	898	903	901	903	909	912	903	905	906	896
21 D	906	892	891	897	896	892	889	887	891	888	892	893	896	903	909	909	921	928	932	915	926	938	926	916	906
22 D	909	874	891	886	873	875	887	886	889	886	889	891	891	895	915	935	922	909	903	902	909	899	886	892	896
23	897	896	892	891	888	892	892	891	888	886	886	886	886	895	903	915	928	928	923	921	919	911	905	902	901
24	899	896	892	889	892	895	897	897	898	895	894	892	892	892	894	898	907	905	903	903	902	896	891	896	896
25	897	896	894	894	897	897	896	893	891	888	883	881	885	893	903	908	915	911	909	914	917	922	922	911	901
26	904	887	894	893	892	893	893	889	889	889	885	885	883	883	897	912	933	940	944	937	928	920	911	908	904
27	899	894	880	880	892	895	897	893	893	892	889	886	887	903	906	920	927	933	928	920	914	909	904	902	902
28 Q	899	899	902	903	903	900	898	898	898	895	892	887	889	892	894	899	903	904	904	902	903	900	899	899	898
29	899	898	898	898	898	898	897	898	898	892	886	883	884	887	888	899	902	904	906	911	907	907	900	898	897
Mean	894	889	889	890	889	890	890	889	889	888	887	887	887	890	895	903	910	911	909	907	908	903	901	898	896

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

276 ESKDALEMUIR — FEBRUARY, 1936

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ+			Horizontal Force: Minimum 16,000 γ+			Horizontal Force: Range	Declination: Maximum 13° +			Declination: Minimum 13° +			Declination: Range	Vertical Force: Maximum 44,000 γ+			Vertical Force: Minimum 44,000 γ+			Vertical Force: Range	$HR_H + VR_V$ / 10,000γ² §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	h	m	′	′	h	m	γ	γ	h	m	γ			°A
1 Q	17	52	525	501	10	53	24	12	47	46·7	37·5	0	12	9·2	20	48	901	883	12	12	18	119	0	80·6
2	16	54	538	476	19	58	62	19	28	57·3	31·5	23	8	25·8	20	4	942	888	12	40	54	340	1	80·3
3	21	12	533	493	5	41	40	12	28	46·3	33·3	3	28	13·0	0	1	912	882	6	50	30	201	1	80·5
4	3	6	540	481	8	39	59	9	23	50·6	38·3	6	38	12·3	18	32	910	883	3	10	27	208	1	80·5
5 Q	8	6	533	502	13	50	31	13	38	45·6	39·3	23	32	6·3	23	46	897	887	13	9	10	98	0	80·4
6	0	25	547	512	17	7	35	12	19	44·4	37·5	1	3	6·9	17	4	900	882	4	0	18	127	0	80·3
7 Q	14	6	546	512	19	11	34	9	40	43·3	39·4	23	4	3·9	19	12	896	878	13	40	18	129	0	80·3
8	14	7	535	506	21	42	29	13	9	44·3	37·1	21	40	7·2	20	30	901	882	13	2	19	133	0	80·3
9	21	25	576	484	13	0	92	4	0	52·5	33·7	21	22	18·8	16	39	913	865	4	32	48	362	1	80·3
10	21	25	550	459	16	18	91	11	50	49·6	26·7	22	23	22·9	16	45	924	862	1	21	62	423	1	80·2
11	1	10	549	494	10	40	55	11	2	47·6	35·6	0	23	12·0	17	18	901	869	1	14	32	226	1	80·2
12	24	0	533	492	12	52	41	12	31	45·6	39·4	8	16	6·2	17	6	896	884	0	1	12	114	0	80·2
13 Q	22	59	536	511	11	17	25	13	45	46·5	39·4	23	10	7·1	17	35	893	881	11	0	12	94	0	80·2
14	15	32	568	495	16	40	73	16	10	51·4	35·8	20	8	15·6	16	37	910	878	13	10	32	271	1	80·1
15	15	44	533	479	16	20	54	12	37	48·4	33·5	2	12	14·9	16	30	915	880	12	42	35	239	1	80·0
16 D	20	55	591	418	11	46	173	17	40	54·4	30·3	21	33	24·1	18	9	938	867	0	45	71	590	1	80·0
17 D	18	26	609	447	19	47	162	13	55	55·6	26·7	19	18	28·9	17	50	961	870	1	50	91	666	2	80·0
18	16	57	521	483	16	43	38	13	52	47·0	36·5	0	40	10·5	17	17	922	885	2	11	37	221	1	80·0
19 D	20	56	573	405	21	33	168	15	20	51·5	19·7	20	52	31·8	20	22	966	862	21	30	104	729	2	80·0
20	21	13	539	485	0	23	54	13	3	45·9	33·8	2	16	12·1	20	30	915	860	1	56	55	335	1	80·0
21 D	18	48	575	478	21	7	97	13	53	52·1	32·3	21	16	19·8	18	6	946	886	2	0	60	418	1	80·0
22 D	21	22	580	464	14	38	116	15	4	50·5	25·5	21	35	25·0	15	32	938	868	4	42	70	497	1	80·0
23	19	24	550	481	23	20	69	13	10	48·5	24·2	23	34	24·3	16	51	931	885	12	40	46	306	1	80·0
24	21	24	546	489	12	45	57	12	26	48·5	30·6	0	1	17·9	17	5	909	889	3	30	20	189	1	79·9
25	16	23	531	490	21	50	41	14	6	49·8	35·6	22	22	14·2	21	53	925	880	11	30	45	265	1	79·9
26	1	0	563	468	20	53	95	14	20	54·6	25·5	24	0	29·1	18	59	951	881	12	9	70	462	1	79·9
27	2	40	534	481	13	0	53	13	24	50·8	23·7	0	4	27·1	17	30	934	875	3	0	59	341	1	79·9
28 Q	21	50	529	493	12	36	36	13	38	46·8	37·5	0	1	9·3	3	19	904	885	11	40	19	140	0	79·8
29	14	58	543	497	10	30	46	12	24	49·5	33·5	23	17	16·0	19	24	912	883	12	30	29	200	1	79·8
Mean	--	--	549	482	--	--	67	--	--	49·2	32·9	--	--	16·3	--	--	919	878	--	--	41	291	0·79	80·1
No. of Days Used	--	--	29	29	--	--	29	--	--	29	29	--	--	29	--	--	29	29	--	--	29	29	29	29

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

277 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — MARCH, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	523	520	521	522	522	521	523	526	511	507	508	504	502	510	515	521	522	526	529	528	526	526	526	525	519
2	524	524	525	524	525	525	524	524	520	510	499	495	503	508	512	519	519	524	530	529	525	529	517	521	519
3 Q	526	527	527	525	526	528	529	529	529	524	516	516	519	522	521	521	525	529	537	537	536	536	534	532	527
4 Q	532	530	529	530	530	530	531	536	536	529	519	512	512	517	522	525	530	534	538	538	540	537	537	536	530
5	530	527	518	525	528	529	531	534	531	522	514	512	510	516	524	516	524	530	530	537	537	534	532	530	526
6	530	529	530	532	531	533	536	537	536	525	505	508	498	512	517	532	516	525	530	534	528	522	520	514	524
7 Q	524	525	526	525	526	527	528	529	525	520	508	511	513	510	509	516	521	527	530	532	532	532	532	533	523
8	533	536	535	536	534	533	536	544	533	520	509	498	495	508	530	515	501	519	524	528	530	524	523	525	524
9	525	525	524	528	526	529	529	529	522	509	508	507	502	515	523	518	506	515	528	510	525	524	526	525	520
10	529	530	530	532	532	531	524	524	520	511	500	493	493	497	510	508	522	525	528	532	530	530	537	532	521
11 Q	530	529	533	529	530	534	534	536	530	521	505	504	504	510	516	517	521	525	530	536	537	537	537	538	526
12 Q	537	536	536	537	538	536	535	536	529	517	508	506	503	509	514	520	522	528	530	533	534	537	537	535	527
13	534	533	534	534	535	539	544	543	530	520	512	505	512	517	526	532	532	538	536	531	532	533	533	533	530
14	532	530	532	536	532	534	532	529	520	514	516	517	516	516	518	529	530	529	525	532	534	532	533	529	527
15	533	517	514	524	528	529	528	518	512	516	506	502	500	511	508	526	522	531	523	518	523	538	531	533	520
16	521	524	525	527	530	532	532	525	516	508	503	503	508	516	520	524	528	533	531	538	537	536	532	531	524
17	525	529	533	517	516	516	516	516	517	511	509	508	509	516	525	520	522	531	528	536	533	528	525	537	522
18	520	521	522	530	517	520	524	515	501	508	503	496	493	504	517	519	529	529	541	526	505	521	521	524	517
19	524	518	516	508	520	523	522	513	512	504	492	488	493	503	509	516	525	530	534	528	545	519	514	530	516
20 D	522	518	519	512	521	534	518	527	508	492	497	500	488	492	504	522	522	513	516	529	532	529	529	504	515
21 D	501	483	500	507	504	521	497	497	498	470	429	464	484	484	512	503	520	521	536	529	516	511	504	507	500
22	491	484	521	509	514	512	513	514	512	501	496	489	481	502	493	516	508	521	525	528	538	516	521	523	509
23 D	520	520	520	531	517	496	519	513	491	491	484	468	499	499	517	531	523	511	520	525	506	515	516	518	510
24 D	528	524	515	507	515	507	500	524	509	483	479	483	496	514	503	508	518	523	524	520	524	505	498	503	509
25 D	531	505	491	506	511	511	513	507	497	491	484	467	482	492	490	502	515	518	522	527	520	520	504	504	505
26	492	491	508	515	507	496	506	501	491	484	471	475	492	501	511	517	517	524	521	534	524	521	496	514	505
27	517	520	507	518	513	514	504	515	508	487	479	467	478	494	512	505	526	522	523	537	513	504	503	511	507
28	503	519	515	513	526	516	513	512	501	487	470	459	467	488	503	515	519	525	535	524	525	530	523	524	509
29	524	523	516	527	527	518	527	515	511	499	490	482	480	496	507	509	517	523	527	529	527	531	524	517	514
30	514	521	524	521	519	529	530	515	509	500	483	479	491	504	511	519	525	531	535	537	538	537	535	528	518
31	535	521	527	529	527	532	535	527	511	508	496	482	491	486	494	502	511	533	542	546	542	541	546	545	521
Mean	523	521	522	523	523	524	524	523	515	506	497	494	497	505	513	518	521	526	529	531	529	527	524	525	518

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MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

278 ESKDALEMUIR (D) — 13° + — MARCH, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	39·9	40·4	40·5	40·1	38·9	40·4	39·1	38·3	37·2	38·5	40·4	42·6	44·5	44·8	44·6	44·5	42·9	42·6	42·5	42·1	41·6	41·4	41·4	41·0	41·3
2	40·6	40·5	40·4	40·3	40·3	40·4	40·3	39·8	38·5	37·4	38·1	41·6	44·7	45·7	45·6	44·6	42·5	41·5	41·2	41·4	41·6	41·5	38·5	38·6	41·1
3 Q	39·9	40·5	40·5	40·5	40·3	40·3	40·1	39·7	38·8	38·3	39·2	41·7	43·5	44·5	44·3	43·5	42·5	42·2	41·8	41·7	41·7	41·4	41·4	41·3	41·2
4 Q	40·5	40·1	40·1	39·6	39·5	39·4	39·4	39·4	39·4	38·5	39·2	41·4	44·4	45·5	45·8	44·7	43·5	42·6	42·5	42·4	41·7	41·4	41·3	41·2	41·4
5	37·9	33·6	34·8	38·7	39·7	39·6	39·5	39·5	38·5	38·3	39·5	42·4	45·3	46·8	47·3	45·4	44·2	42·6	42·3	41·8	41·6	41·0	40·7	40·8	40·9
6	40·4	40·5	40·5	40·5	40·4	39·9	40·0	39·5	37·8	37·5	40·0	44·4	45·8	48·0	47·4	47·3	43·8	42·8	42·6	41·6	40·0	39·1	32·7	37·8	41·3
7 Q	39·7	40·4	40·5	40·4	39·7	39·1	39·8	39·7	38·1	37·7	39·2	43·2	46·8	47·7	46·0	44·5	43·4	42·6	41·7	41·3	41·2	40·7	40·4	40·4	41·4
8	40·5	41·4	40·1	40·0	39·9	39·9	39·4	37·6	36·5	36·5	41·1	46·4	47·7	48·7	50·8	49·4	43·5	43·3	42·3	41·4	40·5	38·2	34·9	40·1	41·7
9	40·6	40·5	40·5	42·4	39·8	39·9	39·5	38·6	37·4	36·9	39·7	45·4	49·3	51·3	51·7	51·1	48·8	45·5	41·4	39·5	40·2	39·6	40·5	40·4	42·5
10	39·7	39·1	40·0	40·3	39·4	38·2	38·6	38·5	37·4	38·4	42·1	44·7	47·5	47·3	47·6	45·4	43·4	42·3	41·4	41·3	40·6	39·6	39·7	40·5	41·4
11 Q	40·4	40·4	39·9	39·1	39·4	39·5	39·5	39·4	38·1	38·3	39·4	42·8	45·6	47·1	47·2	45·7	43·5	42·7	42·4	42·1	41·5	41·2	40·6	40·6	41·5
12 Q	40·5	40·4	40·3	40·2	40·4	40·1	39·6	38·7	37·2	36·9	39·8	43·7	45·7	46·3	46·6	44·7	43·3	41·6	40·9	41·0	40·9	40·9	40·6	40·4	41·3
13	40·8	40·7	40·7	40·5	40·5	40·5	40·3	39·2	37·7	37·4	38·7	42·4	46·4	48·5	46·7	45·6	43·3	42·5	42·6	41·5	41·2	41·0	40·7	40·7	41·7
14	40·5	40·5	40·5	40·4	40·1	39·0	39·1	37·6	36·6	37·4	38·3	41·3	44·2	44·7	44·9	44·9	43·2	41·7	42·2	42·4	42·0	41·2	41·0	38·8	40·9
15	36·2	33·7	36·9	40·7	39·3	38·4	37·6	37·9	40·1	38·4	40·5	42·7	44·8	47·9	46·1	45·8	42·8	40·5	40·7	40·3	39·4	36·8	36·8	36·3	40·0
16	39·5	40·5	40·1	38·8	38·1	38·4	37·8	37·6	36·5	37·1	39·7	43·5	46·7	47·9	47·5	44·8	42·5	41·9	40·8	41·7	41·9	42·4	41·7	40·1	41·1
17	38·4	35·9	33·5	34·5	35·2	36·2	37·5	37·6	37·5	37·6	39·6	43·0	44·5	46·9	46·6	44·2	42·2	41·2	40·6	41·3	39·7	37·4	38·5	43·4	39·7
18	35·6	34·3	40·1	37·5	38·4	38·5	37·5	35·9	36·3	37·4	40·5	45·1	46·3	47·5	47·6	44·9	42·8	41·5	41·5	39·5	37·5	37·6	35·1	39·5	39·9
19	37·8	37·2	35·6	36·6	37·7	36·5	36·5	36·4	36·1	36·4	39·4	43·3	47·3	48·1	47·7	45·4	43·3	42·5	42·2	39·3	38·5	35·4	37·7	39·4	39·8
20 D	37·5	36·9	34·7	38·5	32·1	35·2	37·3	38·7	36·5	39·6	39·8	44·5	47·8	50·8	48·7	49·8	48·6	48·2	44·4	42·6	42·3	42·3	34·8	33·2	41·0
21 D	28·7	32·7	34·2	29·8	33·3	38·1	34·9	38·7	36·3	38·5	43·8	47·5	48·8	49·5	50·1	47·4	44·5	42·7	39·8	37·9	33·7	38·0	37·3	37·8	39·3
22	32·7	36·2	38·5	35·4	38·8	38·4	38·0	36·8	35·5	35·6	38·4	42·5	47·3	48·8	46·6	47·4	43·8	43·1	40·7	38·0	32·1	35·6	40·3	40·7	39·6
23 D	40·3	39·4	37·5	32·2	32·9	36·3	43·3	38·8	38·3	38·8	41·9	46·1	47·7	49·2	50·3	48·6	46·6	42·5	35·5	32·1	39·4	40·7	39·6	39·6	40·7
24 D	34·4	34·2	36·4	35·5	38·1	36·8	45·3	39·9	36·9	38·4	38·3	43·0	48·6	51·2	51·4	48·3	45·3	43·3	41·2	37·3	45·0	35·8	31·6	29·4	40·2
25 D	36·3	31·7	29·5	35·4	37·4	37·6	37·6	36·5	36·6	36·5	39·3	42·6	48·2	51·3	49·4	46·3	43·5	41·7	41·1	40·4	40·6	30·4	36·4	22·6	38·7
26	26·3	25·2	37·4	34·0	36·7	40·2	39·9	36·3	35·4	36·8	39·2	42·8	48·4	50·4	49·3	46·6	43·6	42·4	41·4	41·0	39·4	35·2	32·3	36·7	39·0
27	37·4	37·3	37·4	37·5	37·3	36·8	36·4	37·0	36·3	37·7	40·3	43·4	49·4	49·9	50·5	47·3	45·0	41·7	40·4	35·3	33·4	33·6	33·4	35·5	39·6
28	35·4	35·8	31·4	31·7	36·3	36·4	35·4	33·4	33·3	34·2	37·3	40·3	44·6	47·4	47·7	45·3	42·5	41·2	40·7	40·6	41·8	41·6	40·5	40·3	39·0
29	39·5	39·4	39·8	37·5	34·6	34·2	36·4	33·6	34·0	35·4	39·0	43·4	47·3	49·5	48·6	46·2	42·7	40·4	39·5	39·5	39·8	40·4	39·7	37·8	39·9
30	36·4	36·5	36·6	36·5	36·3	36·4	35·7	34·7	33·7	33·5	36·7	42·2	46·5	47·9	47·6	46·2	43·7	42·0	41·2	40·4	40·4	40·4	40·0	38·9	39·7
31	35·4	35·6	37·3	36·2	35·4	35·3	34·4	33·2	34·0	34·6	38·1	42·7	46·2	48·5	48·9	47·2	44·5	42·4	41·4	41·3	40·3	40·2	39·9	40·0	39·7
Mean	37·7	37·5	37·9	37·8	37·9	38·2	38·6	37·7	36·9	37·2	39·6	43·3	46·5	48·1	47·8	46·2	43·9	42·4	41·3	40·3	40·0	39·1	38·4	38·5	40·5

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

279 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — MARCH, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	897	898	898	898	898	897	897	896	898	894	887	885	887	892	893	898	899	899	898	898	898	897	898	898	896
2	897	897	896	895	896	896	895	897	899	895	892	885	881	885	887	889	897	898	897	897	899	897	898	898	894
3 Q	896	895	894	894	893	893	893	892	893	892	888	883	877	880	886	890	893	893	894	894	894	894	894	895	891
4 Q	895	894	894	893	892	893	891	888	888	888	883	880	877	880	883	888	889	888	889	889	890	893	893	893	889
5	893	893	892	889	889	889	888	889	893	890	885	876	871	875	887	895	898	898	896	894	894	894	894	894	890
6	894	894	894	893	893	890	888	888	889	888	887	878	881	884	888	895	901	900	896	895	899	902	901	900	892
7 Q	896	894	894	894	893	893	890	888	888	888	883	881	878	887	891	896	898	895	894	894	894	894	894	894	891
8	893	890	888	890	892	891	888	888	893	888	882	876	878	883	889	912	924	914	908	904	900	900	899	894	894
9	894	894	893	890	893	893	893	894	891	890	887	880	886	889	893	900	908	906	905	915	908	904	901	900	896
10	898	897	896	893	890	888	888	889	887	883	878	875	878	884	890	895	901	901	901	900	899	897	895	895	892
11 Q	895	895	895	895	895	894	891	891	894	890	882	878	877	878	885	894	897	896	895	895	894	894	894	894	891
12 Q	893	893	895	894	893	892	891	893	893	889	882	878	882	884	890	897	900	899	897	895	895	894	892	891	892
13	891	892	894	894	894	894	891	890	890	889	883	879	876	876	881	885	890	892	891	894	894	893	894	894	889
14	894	894	894	894	893	892	892	892	890	888	881	877	875	879	883	889	897	905	904	898	895	895	895	896	891
15	894	889	889	887	885	889	888	889	884	882	872	871	878	882	888	892	905	908	912	912	907	898	892	885	891
16	887	889	894	895	892	884	883	885	888	889	883	881	879	885	894	900	899	899	899	898	897	897	898	900	891
17	901	899	891	890	890	893	893	895	895	896	895	890	889	890	895	906	909	907	907	902	902	902	898	883	897
18	886	888	885	883	890	895	895	895	894	890	884	882	882	883	889	899	906	905	909	915	920	906	902	890	895
19	861	868	873	880	885	890	894	896	901	902	891	886	885	889	895	896	898	898	898	903	903	900	902	898	891
20 D	895	891	888	865	861	871	872	876	883	886	883	876	879	890	892	907	919	927	927	920	915	913	915	903	894
21 D	883	872	842	853	856	865	872	878	879	877	879	878	885	891	903	914	925	925	925	914	911	880	877	883	886
22	873	852	852	883	890	890	891	895	896	894	887	883	883	892	895	896	902	902	913	915	903	900	898	898	891
23 D	901	902	896	879	865	860	865	877	890	890	885	890	889	892	896	909	931	949	953	925	914	912	908	906	899
24 D	890	880	883	884	880	889	874	871	883	886	894	888	884	900	925	920	913	910	915	925	900	891	875	850	892
25 D	833	861	830	860	886	894	897	899	902	899	897	891	891	903	905	907	908	908	907	908	910	910	872	852	889
26	845	839	838	861	886	891	887	893	897	894	886	880	880	884	890	900	907	908	904	904	908	899	902	902	887
27	897	887	882	882	891	897	900	897	893	890	882	884	885	890	899	913	919	934	934	928	907	909	908	899	900
28	879	846	860	874	880	891	898	903	903	903	900	895	891	891	898	903	908	907	904	908	907	903	904	903	894
29	903	903	901	878	875	881	884	890	892	892	890	886	886	891	897	903	907	907	904	904	903	903	904	907	895
30	907	902	896	893	896	893	897	899	898	894	887	882	881	887	892	897	902	903	903	903	902	901	902	903	897
31	896	897	895	895	894	893	895	898	897	889	880	880	879	885	894	903	904	908	909	908	908	905	900	897	896
Mean	889	887	884	885	887	889	889	891	892	890	886	882	882	886	893	900	905	906	906	905	902	899	897	893	893

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

280 ESKDALEMUIR — MARCH, 1936

Day	Terrestrial Magnetic Elements																				$\frac{HR_H + VR_V}{10{,}000\gamma^2}$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force							Declination						Vertical Force									
	Maximum 16,000 γ+			Minimum 16,000 γ+			Range	Maximum 13° +			Minimum 13° +			Range	Maximum 44,000 γ+			Minimum 44,000 γ+			Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	18	32	530	496	12	40	34	12	12	45·5	36·5	8	33	9·0	16	14	901	883	11	46	18	126	0	79·8
2	21	35	545	493	11	42	52	13	58	46·3	36·9	9	28	9·4	8	30	900	880	12	6	20	166	0	79·8
3 Q	19	22	541	515	11	40	26	13	50	44·6	37·2	9	32	7·4	0	1	897	876	12	30	21	156	0	79·7
4 Q	20	14	541	506	12	18	35	14	34	46·5	37·9	9	21	8·6	0	2	896	877	12	24	19	133	0	79·7
5	20	45	544	505	10	42	39	14	28	48·5	31·4	1	59	17·1	17	20	899	870	12	15	29	181	1	79·6
6	20	1	541	494	12	13	47	13	59	49·1	30·4	22	26	18·7	22	12	905	877	11	46	28	187	1	79·6
7 Q	23	10	537	501	13	5	36	13	38	49·3	37·3	8	46	12·0	16	14	899	878	12	22	21	139	0	79·6
8	14	38	549	481	11	16	68	14	37	53·5	33·4	22	22	20·1	16	15	925	871	11	52	54	345	1	79·5
9	18	36	552	499	16	27	53	13	52	52·6	36·6	9	2	16·0	19	24	916	879	11	33	37	263	1	79·5
10	22	30	539	487	12	0	52	14	32	49·3	37·3	9	6	12·0	17	32	901	873	11	31	28	205	0	79·5
11 Q	20	8	540	501	12	6	39	14	8	47·6	37·5	9	19	10·1	17	6	898	877	13	6	21	148	0	79·5
12 Q	23	10	541	500	12	2	41	14	18	47·5	36·4	9	31	11·1	16	0	901	877	11	6	24	163	0	79·6
13	7	27	550	503	11	50	47	13	23	50·9	36·9	9	34	14·0	20	42	895	872	13	5	23	198	0	79·6
14	5	33	541	511	12	34	30	15	4	45·5	36·4	8	11	9·1	17	58	906	875	12	11	31	186	0	79·6
15	21	39	553	497	12	20	56	13	58	48·6	33·2	23	3	15·4	19	18	913	871	11	4	42	286	1	79·7
16	21	0	541	500	11	20	41	13	40	48·7	36·4	8	16	12·3	15	49	901	878	12	0	23	165	0	79·7
17	23	20	553	500	12	10	53	12	18	48·1	32·6	2	29	15·5	16	20	912	877	23	47	35	245	1	79·7
18	19	30	554	486	12	22	68	13	28	49·6	32·5	1	53	17·1	20	34	922	865	24	0	57	365	1	79·6
19	20	39	566	484	11	46	82	14	42	49·1	33·2	21	37	15·9	20	0	912	860	0	18	52	375	1	79·7
20 D	22	26	553	476	14	3	77	13	37	51·7	31·3	4	25	20·4	17	59	931	851	3	58	80	481	1	79·6
21 D	18	38	565	418	10	48	147	14	18	51·1	26·5	20	48	24·6	18	23	930	831	2	50	99	684	1	79·6
22	19	55	569	459	1	42	110	13	14	49·5	27·3	1	11	22·2	19	15	925	838	2	0	87	551	1	79·6
23 D	18	52	568	454	11	14	114	13	0	52·4	21·6	18	48	30·8	18	43	966	855	5	30	111	699	1	79·6
24 D	20	39	592	465	20	53	127	20	48	57·6	24·2	23	39	33·4	14	55	926	836	23	58	90	615	2	79·7
25 D	0	4	559	447	2	19	112	13	54	52·6	21·2	23	34	31·4	21	18	916	816	2	43	100	619	2	79·6
26	21	22	552	465	10	42	87	13	29	52·5	22·3	1	20	30·2	20	20	914	832	2	13	82	511	1	79·5
27	19	42	587	466	11	42	121	14	23	51·6	25·4	19	58	26·2	19	30	938	880	3	3	58	462	1	79·4
28	18	33	540	457	11	40	83	13	48	48·9	30·5	3	8	18·4	19	48	910	843	1	15	67	435	1	79·3
29	3	6	538	475	12	7	63	14	7	50·3	33·1	9	0	17·2	17	25	908	874	3	52	34	252	1	79·2
30	20	27	540	478	11	14	62	13	42	48·3	33·1	8	57	15·2	0	25	908	880	12	20	28	231	0	79·3
31	19	18	550	478	11	41	72	14	24	49·5	31·5	8	0	18·0	18	13	910	878	12	36	32	274	1	79·3
Mean	--	--	551	484	--	--	67	--	--	49·6	32·2	--	--	17·4	--	--	912	865	--	--	47	318	0·68	79·6
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

042

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

281 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — APRIL, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	537	535	533	533	534	534	541	535	518	511	502	498	495	495	522	515	532	541	524	511	513	529	532	532	523
2	520	526	531	521	518	524	524	523	511	500	488	479	476	489	497	507	513	533	539	540	544	536	530	525	516
3	529	528	529	532	536	535	535	522	515	503	487	478	488	506	515	513	549	540	552	509	503	496	504	517	518
4	512	513	513	518	519	528	520	512	515	504	487	486	489	500	510	518	526	531	531	530	528	528	529	528	516
5 Q	526	525	523	523	523	527	529	524	511	492	475	471	479	487	497	504	517	521	529	530	531	529	533	532	514
6 Q	532	531	528	532	535	536	534	527	512	501	492	490	492	499	511	517	522	535	538	539	540	536	536	539	523
7	535	534	535	533	534	539	536	530	521	510	490	478	478	490	501	492	510	523	523	536	539	538	537	535	520
8	533	532	533	536	533	530	536	521	508	509	503	490	488	479	487	497	506	523	522	542	541	538	536	534	519
9	533	528	530	530	531	531	538	534	523	506	490	478	490	496	514	523	525	531	539	543	539	532	530	528	523
10 Q	529	528	527	531	531	532	539	531	523	505	492	482	489	503	511	510	521	531	535	538	538	534	531	535	522
11	539	539	535	530	530	532	525	525	508	499	490	486	495	495	507	506	523	532	539	549	545	541	530	530	522
12	525	517	523	526	526	529	527	528	526	516	501	479	497	516	523	515	517	551	527	527	540	522	520	531	521
13	531	525	521	523	517	506	517	521	509	509	497	509	500	527	526	535	560	535	543	542	526	524	527	529	523
14	526	526	522	520	519	526	522	518	507	504	477	485	489	500	506	514	530	540	553	544	510	497	509	517	515
15	521	519	515	517	512	519	512	502	470	467	479	465	483	493	503	550	546	546	534	535	527	534	521	515	512
16	505	500	483	498	509	509	510	507	497	483	469	468	472	487	501	524	535	533	536	538	545	531	526	525	508
17	521	527	520	521	522	522	520	506	498	482	470	476	486	507	518	538	545	546	553	550	532	507	503	498	515
18 D	507	498	513	525	530	459	485	474	489	479	470	469	475	504	509	551	573	563	563	538	515	507	517	540	511
19 D	518	503	513	535	514	516	510	515	506	472	445	449	481	477	509	505	563	562	534	534	547	525	509	487	510
20 D	500	486	521	496	511	500	485	472	465	458	446	458	457	477	479	485	536	546	562	536	523	515	517	494	497
21 D	517	505	506	488	501	502	503	474	443	457	474	475	474	503	514	502	520	533	541	562	518	496	474	456	497
22 D	407	464	484	457	483	500	474	448	427	435	455	472	469	482	565	563	499	540	541	543	537	525	516	492	491
23	537	518	493	503	495	465	509	478	463	461	466	457	469	501	555	531	578	558	528	517	533	531	508	508	507
24	513	521	510	511	506	499	505	521	495	488	477	478	479	495	509	527	537	541	537	534	530	523	521	537	512
25	523	506	512	514	512	517	515	508	497	481	475	460	471	495	516	517	532	533	533	533	532	541	523	521	511
26 Q	521	523	519	519	517	516	520	517	511	499	488	485	488	494	511	513	521	539	543	533	533	530	529	529	517
27	526	525	524	521	521	521	524	521	514	500	483	480	483	492	504	515	541	540	540	544	537	532	532	533	519
28	530	533	530	525	520	526	519	517	514	508	505	497	499	494	508	527	532	539	545	537	541	521	521	523	521
29 Q	529	530	528	531	530	528	532	529	519	501	485	479	485	504	507	523	526	533	537	537	537	534	534	534	521
30	533	533	530	532	528	523	522	530	519	505	499	485	488	496	508	509	534	537	543	542	540	539	545	545	524
Mean	521	519	519	519	520	518	519	512	501	491	482	478	483	497	511	518	532	539	539	536	533	526	522	522	515

10.5 / 2 / 1936 / 041 / 01 / 28 / 313.
0.2

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

282 ESKDALEMUIR (D) — 13° + — APRIL, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	39·3	39·5	39·2	39·1	38·5	37·8	36·9	34·5	32·5	34·2	36·7	40·5	43·6	44·5	48·8	46·0	47·1	45·1	38·1	39·1	40·5	39·2	39·3	35·1	39·8
2	39·2	40·4	40·4	37·8	37·0	38·1	37·5	36·5	35·6	36·7	38·6	41·3	45·0	47·1	47·0	45·5	44·0	42·1	41·1	40·5	39·5	25·4	33·3	39·3	39·5
3	40·1	39·5	39·0	38·3	37·9	36·5	35·1	33·2	33·4	35·1	38·2	43·1	47·0	48·2	47·4	44·8	42·5	41·3	42·2	35·1	25·1	31·4	31·4	35·0	38·4
4	32·7	37·2	37·3	36·0	38·0	38·1	36·0	34·3	34·1	35·5	37·6	41·1	44·8	46·2	44·9	42·5	40·1	39·1	38·3	39·1	39·1	39·2	39·3	39·9	38·8
5 Q	40·0	39·3	39·2	39·2	38·6	37·5	35·5	33·5	32·8	33·3	37·2	42·1	46·9	48·1	46·2	44·2	41·2	38·3	37·2	38·0	38·1	38·2	39·5	40·1	39·3
6 Q	40·1	39·5	39·2	39·2	38·3	38·0	35·3	32·3	34·1	36·6	39·7	44·1	46·2	47·3	46·8	44·2	41·1	39·9	39·9	40·2	39·8	39·4	39·7	39·7	40·0
7	39·1	39·0	38·4	38·2	37·9	37·4	36·0	33·8	32·9	33·5	38·3	41·3	48·1	51·2	52·1	49·3	46·2	42·5	39·2	38·8	39·1	39·3	39·5	39·5	40·4
8	39·5	39·3	38·8	38·2	37·1	38·3	37·6	33·4	35·0	35·1	38·1	43·3	49·6	52·0	48·0	46·5	43·0	39·8	37·1	37·9	39·0	39·2	39·5	39·2	40·2
9	39·1	39·0	39·2	39·2	39·2	39·1	37·3	35·5	35·0	36·1	37·5	41·5	45·8	47·3	46·3	44·3	42·4	41·1	40·0	39·0	37·0	38·1	39·4	40·1	39·9
10 Q	40·1	39·5	39·4	39·2	39·1	39·1	38·5	36·6	34·4	35·5	37·3	40·5	46·0	48·2	46·9	44·2	42·0	40·0	39·1	39·3	39·5	39·9	39·4	39·4	40·1
11	39·1	39·0	38·6	38·5	38·1	37·3	38·1	37·1	36·8	39·6	40·8	42·2	44·2	45·2	45·3	43·8	42·7	41·0	39·5	39·8	39·3	39·2	38·1	36·3	40·0
12	31·0	36·5	37·6	39·5	37·8	36·3	36·0	34·6	34·4	36·2	40·3	44·5	47·5	48·4	49·3	45·4	45·2	44·4	42·3	42·0	40·1	34·5	41·2	35·5	40·0
13	34·2	34·3	34·5	37·0	34·5	39·5	37·3	34·0	35·1	37·5	39·6	44·3	45·4	49·2	49·8	49·5	48·0	40·3	41·1	41·0	35·2	37·5	37·5	39·0	39·8
14	38·6	38·4	37·4	37·2	36·8	36·8	35·2	33·5	33·6	35·4	39·1	41·4	43·1	45·2	45·2	44·5	43·2	42·2	41·8	34·6	31·3	35·1	38·5	39·7	38·7
15	39·2	39·1	38·0	37·3	37·0	36·0	36·6	34·2	41·1	43·1	41·8	44·6	47·5	49·3	46·5	47·8	45·2	39·2	40·0	38·9	35·5	34·4	35·6	34·3	40·1
16	32·1	30·3	24·9	27·0	31·2	30·3	33·9	32·8	33·1	35·2	38·4	41·3	38·4	45·9	45·2	43·9	42·1	41·1	41·0	41·0	39·5	39·6	40·0	39·2	37·0
17	39·4	34·5	33·8	34·8	33·8	34·0	32·6	31·8	32·2	35·1	39·0	43·5	45·8	46·5	45·4	44·5	42·5	40·3	41·0	40·1	36·8	32·2	29·3	34·0	37·6
18 D	39·1	20·3	14·2	20·1	33·1	34·8	39·4	36·1	35·1	34·3	37·3	40·9	43·9	48·6	47·8	48·2	45·5	44·2	40·1	31·4	33·2	37·4	38·4	31·1	36·4
19 D	32·3	31·3	26·4	24·2	30·6	35·2	35·3	36·1	35·1	36·6	41·1	43·4	48·1	49·6	50·1	48·2	47·6	38·4	40·6	40·8	41·5	31·3	31·6	33·3	37·9
20 D	37·4	29·6	32·3	32·3	32·4	34·2	33·4	33·5	33·5	34·6	38·3	45·1	48·2	48·6	47·0	45·4	45·6	43·3	37·1	36·5	36·6	31·1	33·2	32·5	37·6
21 D	37·7	39·2	33·3	33·2	38·1	34·6	33·3	30·9	38·3	40·7	41·2	46·4	52·6	53·1	51·6	47·1	45·6	43·1	40·5	33·1	36·3	33·8	39·8	25·2	39·5
22 D	33·1	34·4	36·1	39·5	35·2	34·6	35·3	33·4	39·3	41·1	42·3	44·7	46·6	49·0	45·4	43·5	44·1	40·1	40·2	35·9	35·1	36·8	35·2	42·7	39·3
23	37·4	35·9	35·5	38·6	37·7	42·1	38·2	38·9	35·6	36·3	38·3	41·6	47·3	50·9	49·4	46·3	45·7	41·7	40·1	40·6	36·5	39·4	38·4	38·2	40·4
24	42·3	39·3	37·9	38·1	38·1	37·4	41·3	39·5	35·6	35·4	37·1	41·5	44·8	45·7	45·5	44·3	42·2	40·4	39·1	38·7	37·8	39·4	38·0	39·0	39·9
25	33·3	33·2	39·0	36·1	35·8	36·3	35·9	34·5	33·2	33·3	37·1	41·3	48·2	49·0	48·1	45·6	44·6	42·3	39·9	38·5	38·4	33·6	37·4	38·2	38·9
26 Q	38·2	37·4	36·4	36·5	36·3	36·4	36·1	34·3	32·8	33·5	36·5	39·6	43·9	45·4	45·3	43·5	43·2	42·4	40·6	39·1	39·1	39·2	39·3	39·2	38·9
27	38·3	37·8	37·4	36·6	35·4	34·5	33·3	32·4	32·3	34·1	37·4	40·4	44·3	46·1	45·9	45·2	44·3	41·6	39·3	40·3	40·3	39·6	39·3	38·9	39·0
28	37·8	38·2	38·2	38·2	38·4	34·3	33·3	33·2	31·9	34·5	35·7	37·6	41·5	43·3	44·6	44·3	44·2	41·5	39·9	38·9	38·4	32·6	35·3	38·3	38·1
29 Q	38·4	38·8	39·2	40·4	38·9	35·7	34·2	32·4	32·4	34·0	36·5	40·6	43·5	46·3	45·3	44·0	41·4	39·2	38·1	38·3	39·4	39·6	39·5	39·4	39·0
30	39·1	38·6	38·3	38·1	36·5	36·4	35·4	32·1	32·2	36·9	37·3	40·4	43·5	44·5	43·7	42·3	41·3	39·1	38·2	38·3	38·6	39·3	40·2	38·3	38·7
Mean	37·6	36·6	36·0	36·3	36·6	36·6	36·0	34·3	34·4	36·0	38·4	42·1	45·7	47·7	47·0	45·3	43·8	41·2	39·8	38·5	37·5	36·5	37·5	37·3	39·1

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

0-3 B1936
0-2
0-13/01 BB 440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

283 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — APRIL, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	897	898	898	898	898	898	900	903	900	897	891	885	875	877	891	912	929	946	972	975	949	915	900	893	908
2	894	893	882	891	897	898	902	903	903	899	891	888	888	890	892	898	903	904	904	904	905	907	898	898	897
3	899	900	901	899	898	898	899	899	897	892	887	880	880	886	891	898	913	929	949	966	934	931	902	887	905
4	868	882	892	893	891	884	886	891	892	891	891	886	887	892	900	903	904	904	904	903	904	904	904	904	894
5 Q	904	904	904	904	903	903	904	904	902	894	889	881	882	891	898	902	904	909	911	909	906	905	904	902	901
6 Q	902	902	902	901	899	899	903	903	900	892	886	884	882	886	892	898	901	900	898	898	898	898	899	898	897
7	899	900	899	899	899	899	903	904	899	893	893	891	883	889	899	906	911	918	916	910	905	903	901	901	901
8	901	901	901	900	899	898	892	893	893	886	885	881	882	889	893	904	908	916	920	915	909	904	903	903	899
9	898	901	902	903	903	903	904	904	899	898	895	888	888	892	893	899	903	904	904	905	905	904	903	902	900
10 Q	902	903	904	903	902	901	898	901	902	899	896	887	881	881	892	898	902	903	903	902	903	902	902	899	899
11	898	898	892	896	898	899	899	898	898	892	887	882	881	886	892	898	902	905	905	902	901	900	904	902	896
12	898	896	895	893	893	893	895	893	891	886	880	872	870	880	893	910	910	919	929	923	916	918	902	875	897
13	884	887	895	896	897	895	894	894	893	883	882	877	880	886	899	907	919	939	929	927	927	908	906	905	900
14	905	904	905	905	904	903	904	903	899	890	886	882	882	883	889	893	901	910	922	933	925	914	915	911	903
15	906	906	906	906	905	900	901	903	897	888	887	890	893	896	906	911	943	959	948	939	931	907	900	893	909
16	875	860	877	887	898	902	904	909	909	903	900	897	893	892	896	899	904	908	910	911	907	906	906	906	898
17	900	887	888	894	899	900	906	906	901	893	888	887	888	889	897	903	913	922	923	925	927	927	906	890	902
18 D	824	843	830	821	808	813	830	863	876	887	894	890	892	895	907	921	922	967	984	965	923	924	913	876	886
19 D	863	860	857	849	866	873	882	889	893	893	892	893	893	903	911	927	944	976	943	927	916	923	911	842	897
20 D	806	847	856	859	870	888	902	907	903	901	895	891	902	925	943	935	924	950	965	948	930	885	861	851	898
21 D	854	842	841	881	888	892	895	901	895	891	894	891	907	931	949	948	930	942	944	946	918	881	772	767	892
22 D	742	789	836	821	836	885	883	890	890	893	895	895	907	919	979	974	949	943	940	937	915	907	878	823	889
23	855	866	876	890	891	877	878	887	891	892	895	900	900	908	942	961	961	964	947	931	918	897	902	898	905
24	897	895	902	908	908	903	895	898	905	906	905	901	901	905	920	927	935	936	930	922	914	912	911	890	909
25	876	877	877	891	903	907	908	912	912	911	904	901	900	906	912	912	912	922	924	922	918	912	906	906	905
26 Q	908	908	908	908	910	911	911	912	911	905	901	895	890	894	898	905	907	910	912	917	914	912	908	907	907
27	908	908	908	908	909	911	908	908	905	901	896	889	884	887	892	896	901	912	916	913	909	908	908	908	904
28	908	908	908	907	904	892	897	901	900	896	891	883	884	890	898	907	915	931	936	933	924	912	912	909	906
29 Q	908	908	908	908	904	909	908	907	906	904	898	891	889	891	896	900	905	912	913	913	908	908	907	906	904
30	907	906	906	907	907	908	908	896	897	896	896	896	891	890	897	906	908	913	913	912	909	908	906	902	904
Mean	883	886	889	891	893	895	897	899	899	895	892	888	888	894	905	912	916	926	927	924	916	908	989	888	900

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

284 ESKDALEMUIR — APRIL, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 16,000 γ+			Minimum 16,000 γ+		Range	Maximum 13° +			Minimum 13° +		Range	Maximum 44,000 γ+			Minimum 44,000 γ+		Range			
	h	m	γ	γ	h	m	γ	h	m	′ ″	′	h	m	′	h	m	γ	h	m	γ				
1	17	57	557	483	12	10	74	14	26	50·2	31·2	8	33	19·0	18	28	979	874	12	44	105	588	1	°A 79·3
2	17	41	557	474	12	26	83	14	44	47·8	14·2	21	41	33·6	21	40	914	880	2	18	34	283	1	79·3
3	18	20	564	464	20	22	100	13	28	49·3	16·1	20	26	33·2	19	11	981	863	24	0	118	689	1	79·3
4	18	40	532	483	10	34	49	13	38	47·2	29·3	0	11	17·9	17	40	905	863	0	1	42	269	0	79·3
5 Q	20	9	534	467	11	24	67	13	25	48·3	32·1	8	5	16·2	18	26	912	880	11	42	32	254	0	79·3
6 Q	19	3	547	486	11	32	61	13	56	48·2	31·7	7	26	16·5	7	10	904	881	12	0	23	202	0	79·3
7	20	4	545	473	12	14	72	14	4	53·3	32·2	8	26	21·1	17	50	921	882	12	38	39	287	0	79·4
8	19	54	547	462	13	55	85	13	24	53·3	30·1	7	55	23·2	18	50	922	880	12	0	42	328	1	79·4
9	19	22	551	474	11	20	77	13	43	48·1	34·0	8	29	14·1	20	20	906	886	12	5	20	217	0	79·4
10 Q	6	38	543	474	11	20	69	13	58	48·8	33·7	8	34	15·1	8	30	905	879	13	3	26	230	0	79·4
11	20	6	563	478	11	32	85	13	3	46·0	33·1	24	0	12·9	17	52	906	879	12	30	27	256	0	79·4
12	17	12	558	469	11	12	89	15	2	50·3	29·2	0	34	21·1	18	20	932	869	12	24	63	420	1	79·3
13	16	25	575	476	16	56	99	15	2	50·6	33·1	1	48	17·5	17	7	941	876	12	0	65	450	1	79·4
14	19	28	572	469	10	32	103	14	34	46·0	28·7	20	0	17·3	19	49	939	880	11	52	59	434	1	79·4
15	16	32	581	449	11	53	132	16	33	52·5	29·2	20	11	23·3	16	53	966	882	24	0	84	590	1	79·4
16	20	41	555	466	2	6	89	14	9	47·0	23·2	1	55	23·8	8	16	911	853	1	19	58	402	1	79·4
17	23	56	571	464	10	43	107	24	0	54·1	27·9	23	12	26·2	20	58	934	823	24	0	111	670	2	79·4
18 D	16	7	611	437	5	50	174	16	9	56·2	12·3	2	38	43·9	18	36	988	802	0	10	186	1111	2	79·4
19 D	17	21	597	416	23	42	181	13	14	51·7	22·4	21	4	29·3	17	10	989	770	23	47	219	1269	2	79·4
20 D	18	10	599	440	10	44	159	13	59	51·1	25·3	21	34	25·8	18	41	972	783	0	8	189	1100	2	79·4
21 D	19	35	609	357	23	53	252	22	31	57·2	13·4	23	23	43·8	19	14	957	736	22	37	221	1397	2	79·4
22 D	14	30	607	370	1	1	237	14	10	55·3	20·3	19	56	35·0	14	40	1001	723	0	20	278	1621	2	79·4
23	16	43	629	442	11	35	187	13	28	52·2	26·2	20	50	26·0	17	24	967	825	0	1	142	939	1	79·4
24	23	42	557	474	11	43	83	13	48	47·1	34·2	9	0	12·9	17	0	937	879	24	0	58	392	1	79·4
25	21	28	561	451	12	4	110	13	1	50·2	29·7	21	20	20·5	18	17	927	873	0	47	54	419	1	79·4
26 Q	18	43	547	480	11	31	67	14	34	46·0	32·3	8	28	13·7	19	42	918	889	12	18	29	236	0	79·4
27	20	16	561	479	11	20	82	14	22	47·0	31·8	8	6	15·2	18	21	918	884	12	37	34	287	0	79·4
28	20	38	555	485	13	50	70	14	58	45·4	30·2	22	0	15·2	18	46	937	881	11	31	56	362	1	79·4
29 Q	19	12	540	475	11	40	65	13	23	46·4	31·7	8	9	14·7	18	17	914	888	12	50	26	222	0	79·4
30	24	0	554	480	11	0	74	13	27	45·0	30·3	7	56	14·7	18	30	914	889	13	3	25	230	0	79·5
Mean	--	--	566	460	--	--	106	--	--	49·7	27·6	--	--	22·1	--	--	937	855	--	--	82	538	0·83	79·4
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

10.5/5/1936/05/1/0/515/513/160
0.2

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

285 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — MAY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	532	520	526	530	520	513	522	529	517	504	496	477	485	483	504	514	525	536	542	543	538	537	537	537	519
2	534	545	541	527	530	532	532	530	519	504	492	490	499	513	508	523	529	534	543	544	539	538	535	537	526
3	533	532	529	534	534	532	528	517	504	496	491	500	509	521	530	535	538	547	553	554	548	547	551	553	530
4	557	552	550	541	545	544	537	527	511	497	494	494	517	547	578	508	521	557	573	538	541	505	528	513	532
5	520	518	520	523	518	511	500	492	492	489	491	496	496	501	513	521	540	546	543	544	537	537	537	541	518
6	533	531	529	531	530	529	524	518	506	495	488	499	504	505	516	521	528	544	543	540	536	534	532	531	523
7 Q	534	536	536	535	537	535	525	512	498	490	503	502	514	521	528	531	537	542	543	542	539	536	532	533	527
8 Q	531	533	533	534	537	540	533	523	510	498	491	491	497	505	516	527	540	556	553	546	540	536	533	531	526
9 Q	529	530	529	527	528	528	522	511	499	490	487	490	495	503	509	528	539	548	552	549	545	542	539	540	523
10	536	535	534	531	532	529	520	508	507	500	496	504	486	503	529	529	542	564	580	589	521	544	551	544	530
11 D	537	526	536	528	530	531	527	515	496	476	485	499	515	524	545	511	548	554	556	549	549	551	547	539	528
12 D	541	536	528	524	515	519	524	503	484	496	490	480	473	487	506	526	564	578	627	556	536	529	503	510	522
13	531	520	506	513	520	515	511	506	497	481	474	475	490	496	508	524	540	546	552	548	547	539	531	528	517
14	523	524	524	522	525	527	520	511	496	493	487	488	492	517	549	572	551	556	572	551	539	524	517	521	525
15	522	516	518	511	503	509	500	493	471	476	494	499	502	513	524	527	535	556	548	565	560	524	509	509	516
16	508	515	542	527	515	499	517	501	479	482	475	500	505	491	527	518	555	560	553	547	534	536	529	533	519
17	513	509	516	518	516	512	487	487	485	486	470	477	493	509	517	531	548	549	549	551	542	525	529	522	514
18 D	536	483	511	512	522	519	494	446	467	492	490	491	491	501	524	529	529	546	545	590	553	529	540	515	515
19 D	524	516	513	496	498	486	485	491	476	469	446	456	489	519	523	530	536	528	551	583	548	526	510	521	509
20	515	521	515	502	502	509	498	483	458	462	487	495	497	506	503	543	524	567	584	539	535	539	528	527	514
21	526	524	515	517	513	497	506	509	490	478	471	472	480	491	506	523	540	551	567	547	550	540	536	523	515
22	527	530	530	527	524	519	510	496	482	470	474	481	491	500	508	526	536	533	539	539	539	541	538	541	517
23 Q	537	523	521	526	520	520	511	498	485	478	475	479	491	506	519	530	528	539	541	544	540	539	538	529	517
24 Q	528	528	530	532	535	525	514	502	489	478	478	485	498	510	524	531	535	543	543	543	540	538	536	535	521
25	535	536	537	537	536	535	530	524	517	506	499	495	495	514	517	532	540	547	561	556	543	538	541	541	530
26	547	535	537	539	540	536	527	512	494	475	475	483	507	478	510	532	551	551	563	561	543	543	547	530	526
27	526	527	528	530	528	528	517	508	493	478	474	487	490	505	518	530	548	542	556	555	551	548	535	537	522
28	538	541	528	532	535	529	521	503	495	489	486	491	510	506	514	530	547	580	552	548	551	544	544	541	527
29 D	535	532	532	535	536	537	528	515	504	477	467	502	499	504	486	530	552	566	543	551	557	531	515	522	523
30	521	530	528	524	528	519	503	495	499	499	499	502	506	512	511	519	527	559	576	580	577	565	563	567	530
31	551	547	533	531	526	519	510	505	494	488	486	490	496	513	522	529	538	544	550	550	542	538	538	538	524
Mean	531	527	528	526	525	522	516	505	494	487	484	489	497	507	519	528	539	551	557	553	544	537	534	532	522

10.5/5/1936/05/1/0/515/513.

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time.

286 ESKDALEMUIR (D) — 13° + — MAY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	32·7	32·9	33·2	33·2	34·7	33·8	34·2	33·5	34·1	34·9	38·3	41·7	45·0	45·7	44·4	43·1	40·3	38·7	38·1	38·4	39·0	39·3	39·2	39·3	37·8
2	39·8	40·9	39·2	36·5	35·8	34·6	33·4	33·2	32·7	34·4	38·3	41·8	44·1	45·6	44·6	42·6	41·0	39·4	38·5	38·8	39·3	39·5	39·3	39·2	38·9
3	38·7	39·1	37·9	38·1	35·7	34·2	31·1	30·2	31·2	33·0	37·8	41·3	44·7	45·9	44·4	43·2	42·1	41·9	40·7	40·5	40·3	40·2	39·9	39·2	38·8
4	38·0	37·4	37·5	37·7	37·9	38·6	36·0	36·4	35·9	36·9	40·3	45·0	46·0	46·8	45·8	43·3	42·6	41·1	34·7	32·8	39·5	35·7	37·6	37·0	39·2
5	39·2	38·7	38·4	35·9	34·6	32·8	30·3	31·0	32·8	34·9	39·5	43·1	44·2	45·0	44·0	41·9	40·4	40·3	39·2	39·4	38·6	39·6	40·0	40·0	38·5
6	39·4	39·2	38·7	37·5	35·6	33·8	32·1	31·5	32·1	34·8	40·8	44·9	47·7	46·8	44·2	41·5	39·2	37·9	38·2	38·4	38·6	39·3	39·0	39·2	38·8
7 Q	39·0	39·0	38·8	38·3	36·8	34·7	32·6	30·8	30·9	34·8	40·5	44·5	47·8	47·7	43·4	41·1	39·4	38·4	38·3	38·9	39·4	39·7	39·3	38·8	38·9
8 Q	38·4	38·2	37·8	37·5	36·5	35·5	34·6	34·3	34·2	35·5	39·6	43·3	46·0	46·1	44·0	42·1	40·1	39·2	38·5	38·7	39·3	38·9	38·9	38·4	39·0
9 Q	38·0	37·5	37·4	36·5	35·8	34·5	33·4	32·1	31·8	33·8	37·4	40·5	42·6	44·0	43·8	42·8	41·3	40·2	39·6	39·5	39·7	39·8	39·3	39·0	38·3
10	38·6	37·8	37·4	36·6	35·9	34·5	33·0	32·6	32·7	35·5	39·8	44·5	48·0	48·4	47·8	47·7	47·8	46·8	45·8	43·1	36·6	39·6	37·4	34·7	40·1
11 D	34·5	33·8	36·5	34·5	32·8	32·5	32·0	31·7	32·7	35·3	39·1	44·9	49·2	50·3	51·5	46·8	46·8	46·0	44·8	42·1	40·5	40·3	39·4	37·8	39·8
12 D	38·5	37·4	36·7	35·5	36·5	40·3	37·6	34·4	35·1	39·0	39·2	43·4	46·8	48·9	49·7	45·8	44·5	43·2	41·5	38·1	37·5	38·4	36·6	35·9	40·0
13	38·6	33·8	34·6	37·6	35·4	33·8	32·5	33·1	33·6	35·7	37·9	39·6	42·1	44·1	43·8	42·4	41·3	39·0	38·5	38·7	38·6	35·6	34·5	35·6	37·5
14	36·5	36·6	36·6	35·3	36·5	34·8	31·9	31·1	30·7	32·7	35·8	40·5	42·8	46·6	45·8	45·4	43·3	41·4	38·7	36·9	37·4	33·6	34·8	36·8	37·6
15	37·4	36·5	34·4	34·8	35·5	35·3	33·1	32·8	33·5	36·5	37·6	40·0	43·3	45·2	45·2	44·1	43·2	42·5	40·4	40·2	31·9	34·4	31·8	31·9	37·6
16	30·0	34·1	37·4	32·6	32·6	36·3	37·4	33·7	36·8	37·0	39·3	43·5	48·3	51·0	48·7	48·3	46·9	43·6	39·2	36·3	36·6	38·4	40·8	38·7	39·5
17	35·9	34·6	36·9	37·2	35·0	32·7	31·1	34·1	33·1	34·7	38·3	42·3	45·4	46·9	45·7	43·2	41·9	40·2	39·4	37·4	36·9	36·5	38·3	35·1	38·0
18 D	40·3	36·6	35·5	33·9	35·0	32·1	34·4	38·6	41·2	35·5	37·8	43·2	46·8	49·0	47·6	46·3	43·9	41·8	37·4	26·2	31·8	37·4	43·0	38·2	38·8
19 D	35·7	38·6	40·6	39·6	38·7	37·5	34·2	30·6	28·9	33·1	37·5	43·2	46·0	46·9	48·3	44·3	40·1	39·3	39·5	31·9	36·6	38·8	37·5	37·5	38·5
20	38·8	39·2	37·4	38·4	39·6	37·4	34·5	29·5	30·1	34·0	36·9	40·3	43·4	46·0	43·5	42·9	42·1	41·5	37·8	38·3	39·4	40·4	39·5	39·2	38·8
21	38·4	37·5	37·7	38·6	38·5	37·4	38·2	35·7	32·1	31·8	35·6	37·6	42·4	43·5	43·0	42·8	42·3	38·5	38·4	39·2	36·5	37·7	36·8	36·2	38·2
22	39·3	40·3	38·3	37·4	34·0	32·5	30·1	29·1	29·9	33·6	37·8	41·4	45·2	46·4	44·4	41·2	40·5	39·3	39·3	39·4	39·5	39·5	38·6	38·8	38·2
23 Q	37·3	35·7	37·9	37·4	36·2	34·2	33·1	31·9	32·7	35·0	38·6	42·5	46·8	46·0	44·4	43·4	41·6	41·0	40·4	40·3	39·7	39·5	39·2	37·9	38·9
24 Q	37·4	37·3	36·4	35·8	35·6	33·9	33·0	32·6	32·7	35·4	39·4	43·4	45·8	47·1	46·9	45·1	43·0	41·5	41·1	39·6	39·3	39·2	38·5	38·3	39·1
25	37·6	37·6	37·4	37·3	36·8	36·1	33·9	32·0	31·1	31·8	33·9	37·5	40·5	44·4	45·9	44·3	42·1	41·0	40·5	39·6	37·4	38·8	39·3	39·2	38·2
26	37·7	36·4	38·6	38·2	36·5	34·2	32·8	31·8	31·6	35·2	39·1	42·6	45·7	46·7	46·7	46·5	45·3	42·1	38·2	38·9	39·5	40·1	37·4	37·7	39·1
27	37·8	37·9	36·8	36·6	35·7	33·0	30·8	30·0	32·6	34·4	37·7	39·3	41·6	43·2	43·2	41·3	40·5	39·1	38·3	38·5	38·8	39·4	36·3	37·9	37·5
28	38·9	38·6	34·6	35·6	35·7	35·7	33·0	31·0	31·8	32·9	36·7	41·2	45·1	46·2	45·1	43·1	42·1	41·1	38·3	39·8	40·0	39·9	39·2	40·1	38·5
29 D	38·8	37·7	37·3	35·8	34·9	32·6	31·7	29·7	30·8	30·9	38·4	42·0	43·6	35·7	34·8	44·9	42·5	41·1	37·9	38·6	41·1	38·1	35·6	37·3	38·0
30	36·5	36·9	36·5	33·0	32·6	31·6	33·0	34·6	33·8	35·0	39·3	42·0	43·2	44·8	43·5	42·4	40·8	41·3	41·4	43·0	41·1	40·1	40·1	40·3	38·6
31	40·2	33·9	31·6	27·0	27·9	28·8	30·1	31·0	33·3	35·6	37·5	40·6	43·0	42·9	41·3	40·2	37·7	37·5	37·5	38·1	38·2	38·7	39·1	39·3	36·3
Mean	37·7	37·1	37·0	36·1	35·5	34·5	33·2	32·4	32·8	34·6	38·2	42·0	44·9	46·3	45·3	43·7	42·1	40·8	39·4	38·4	38·3	38·6	38·3	37·8	38·5

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

10.5/12/3/1936 053/0-/88/440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

287 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — MAY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	871	877	875	877	889	899	901	901	901	901	897	891	882	886	895	901	905	911	909	908	908	908	901	901	896
2	906	901	895	895	901	905	906	905	905	901	891	892	890	894	901	908	913	913	909	908	909	908	908	907	903
3	907	907	907	906	905	908	908	906	900	891	889	883	884	888	889	892	898	902	902	902	902	903	903	902	899
4	902	902	902	904	904	906	906	905	901	892	886	886	889	898	922	928	926	926	943	943	924	917	906	901	909
5	903	907	909	912	913	917	916	912	902	895	892	889	891	898	904	911	913	915	916	913	914	912	907	906	907
6	906	907	908	908	909	912	911	908	901	891	883	879	880	895	903	908	910	912	910	907	907	906	906	906	903
7 Q	906	906	907	907	908	908	908	905	896	886	876	873	877	884	890	900	904	906	907	906	904	903	902	904	899
8 Q	905	906	906	906	907	907	909	911	908	905	901	892	891	895	898	901	906	907	908	908	907	906	906	906	904
9 Q	907	907	907	908	908	908	908	907	902	893	887	883	883	886	894	897	901	905	906	904	903	902	902	902	900
10	903	904	905	906	906	907	907	905	895	878	871	871	876	882	885	889	891	899	918	933	948	923	915	913	901
11 D	911	908	898	892	901	902	902	902	895	890	875	859	860	869	877	893	896	897	897	900	902	902	903	905	893
12 D	899	890	895	896	897	881	879	885	884	880	883	880	885	894	902	914	918	926	922	917	918	879	868	880	895
13	859	863	881	885	895	906	913	910	903	896	893	890	887	889	896	903	911	917	918	914	914	913	908	902	899
14	902	904	906	905	903	906	909	913	908	898	885	880	883	890	905	923	938	942	943	936	925	915	907	901	909
15	896	879	879	889	895	897	903	906	904	896	889	889	888	892	895	899	906	910	917	920	926	916	910	905	900
16	899	897	869	872	883	884	876	886	890	885	885	879	883	914	928	936	930	947	957	949	932	917	893	872	903
17	873	881	882	883	896	905	907	902	897	896	890	889	884	893	902	909	914	918	920	920	916	914	909	908	900
18 D	884	869	891	896	901	908	909	894	881	880	886	884	888	906	923	933	931	928	928	928	914	906	881	842	900
19 D	865	876	866	868	862	872	888	904	906	900	898	897	906	924	930	943	945	938	925	927	921	903	891	901	902
20	901	898	903	903	894	894	901	911	910	900	894	890	891	898	917	928	931	928	933	932	923	915	903	903	908
21	905	909	909	908	903	900	897	903	910	906	900	896	898	905	911	915	917	921	925	921	921	909	906	905	908
22	900	897	897	903	910	915	914	910	910	904	899	893	898	904	917	923	923	920	911	910	910	910	908	904	908
23 Q	902	902	903	906	910	911	913	911	905	896	891	884	880	893	906	910	914	915	910	909	909	909	910	909	905
24 Q	910	910	910	909	909	910	910	911	910	904	897	892	892	894	898	903	910	915	915	915	911	910	910	910	907
25	910	910	910	910	911	911	914	914	911	907	903	888	887	891	897	903	910	915	917	917	920	914	908	907	908
26	902	900	902	906	907	910	911	911	904	898	887	886	893	903	901	907	921	938	947	939	931	921	914	910	910
27	910	910	914	915	915	915	918	914	910	904	904	899	894	898	899	905	915	922	926	921	918	914	915	913	911
28	909	894	903	909	910	910	911	915	907	897	890	890	892	903	907	906	911	916	927	923	918	914	913	910	908
29 D	910	910	910	912	914	915	915	915	908	897	891	892	909	924	938	944	944	941	944	936	930	926	917	917	919
30	912	911	908	905	906	906	904	899	900	901	896	891	892	899	909	915	920	917	912	914	915	915	911	907	907
31	894	850	860	861	881	895	903	903	904	903	898	894	893	903	906	915	919	921	915	912	911	910	910	910	899
Mean	899	897	897	899	902	904	906	905	902	896	891	886	888	897	905	912	916	919	921	919	916	910	905	902	904

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

288 ESKDALEMUIR — MAY, 1936

Day	Terrestrial Magnetic Elements: Horizontal Force Maximum 16,000 γ+			Horizontal Force Minimum 16,000 γ+			Horizontal Force Range	Declination Maximum 13° +			Declination Minimum 13° +			Declination Range	Vertical Force Maximum 44,000 γ+			Vertical Force Minimum 44,000 γ+			Vertical Force Range	$\frac{HR_H + VR_V}{10{,}000\gamma^2}$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	0	6	570	471	10	33	99	12	47	46·8	29·2	0	58	17·6	17	45	913	865	0	37	48	373	1	79·5
2	1	48	549	487	11	32	62	13	18	46·0	31·8	8	6	14·2	16	45	913	889	12	20	24	210	0	79·5
3	22	22	558	488	10	29	70	13	8	46·2	29·8	7	4	16·4	6	6	908	882	12	0	26	232	0	79·5
4	14	14	614	480	10	16	134	14	14	49·0	26·4	18	50	22·6	18	49	955	884	11	0	71	535	1	79·6
5	17	23	554	487	9	30	67	13	34	45·1	28·1	6	53	17·0	18	0	919	889	11	45	30	245	0	79·5
6	17	47	554	485	10	30	69	12	59	48·4	30·9	7	18	17·5	17	22	913	878	11	56	35	271	0	79·6
7 Q	19	14	546	484	9	9	62	13	0	48·9	30·2	8	45	18·7	5	30	909	872	11	23	37	268	0	79·6
8 Q	17	47	560	484	9	42	76	12	58	46·8	32·7	9	0	14·1	7	17	912	889	12	15	23	228	0	79·6
9 Q	18	13	554	483	10	20	71	13	10	44·2	31·6	8	14	12·6	3	56	908	880	12	1	28	242	0	79·7
10	17	23	617	479	12	50	138	17	23	49·2	31·6	8	16	17·6	20	12	955	869	11	53	86	609	1	79·7
11 D	14	32	593	459	11	38	134	14	26	54·3	29·8	8	15	24·5	0	1	914	854	11	41	60	490	1	79·7
12 D	18	33	706	446	11	59	260	13	53	51·5	27·3	7	58	24·2	18	24	936	849	22	5	87	814	2	79·8
13	18	52	557	464	11	5	93	13	54	44·5	31·0	6	57	13·5	18	24	919	855	0	49	64	435	1	79·9
14	15	7	588	468	12	11	120	13	43	47·6	29·4	8	10	18·2	18	52	947	880	11	50	67	498	1	79·9
15	20	23	577	461	8	50	116	13	42	45·9	29·9	20	18	16·0	20	15	927	875	1	50	52	418	1	79·9
16	17	45	594	462	10	10	132	13	18	52·6	29·0	0	33	23·6	18	23	961	862	2	46	99	657	1	79·9
17	19	24	574	462	10	52	112	13	24	48·0	29·2	6	2	18·8	19	14	924	872	0	4	52	416	1	79·9
18 D	19	28	619	425	7	53	194	13	14	51·1	21·5	19	27	29·6	15	58	933	833	23	20	100	764	1	79·9
19 D	19	25	600	427	10	19	173	13	56	48·9	27·2	8	39	21·7	15	56	950	857	0	1	93	693	1	80·0
20	18	2	600	445	8	50	155	13	58	46·9	28·2	7	24	18·7	19	6	934	887	11	52	47	462	1	80·1
21	17	58	588	463	11	4	125	13	50	44·8	30·9	9	4	13·9	18	8	927	893	11	42	34	358	1	80·1
22	16	18	549	467	9	36	82	13	52	46·8	27·7	7	42	19·1	16	48	927	891	11	42	36	292	0	80·1
23 Q	19	22	548	473	10	30	75	12	32	47·0	31·8	7	47	15·2	17	5	915	879	12	22	36	285	0	80·1
24 Q	19	43	547	475	10	0	72	13	55	47·7	32·2	7	42	15·5	18	0	916	889	12	0	27	238	0	80·2
25	18	36	568	491	12	33	77	14	16	46·0	30·9	8	35	15·1	20	6	921	886	12	30	35	282	0	80·2
26	18	28	576	462	13	26	114	15	45	47·0	30·7	8	35	16·3	18	10	948	885	11	28	63	468	1	80·2
27	16	52	563	470	10	31	93	13	55	43·9	29·2	7	16	14·7	18	40	927	894	12	32	33	296	0	80·2
28	17	6	591	483	10	23	108	13	29	46·8	29·8	4	38	17·0	18	16	930	887	12	3	43	366	1	80·3
29 D	17	10	577	451	9	48	126	13	50	48·6	27·2	9	33	21·4	18	10	946	887	11	12	59	468	1	80·3
30	23	54	609	494	10	20	115	23	58	45·9	30·8	5	18	15·1	16	58	921	886	11	50	35	347	1	80·3
31	0	50	586	482	10	53	104	0	53	46·1	29·5	3	28	16·6	17	22	922	843	1	16	79	521	1	80·3
Mean	--	--	580	470	--	--	111	--	--	47·5	29·5	--	--	18·0	--	--	927	876	--	--	52	412	0·65	79·9
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

289 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — JUNE, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	534	534	534	534	537	534	523	511	493	477	500	509	525	526	518	522	547	551	563	569	566	547	539	539	531
2 D	536	538	541	527	517	514	513	520	513	501	497	507	502	510	527	538	551	592	611	578	542	503	511	502	529
3	509	522	521	527	506	507	519	513	497	487	469	478	478	486	502	517	528	547	558	558	548	550	554	551	518
4	539	526	530	531	534	531	525	513	501	492	485	482	497	499	521	521	542	546	546	547	542	544	543	534	524
5 Q	531	527	524	525	528	527	521	515	499	494	489	490	486	489	499	519	529	547	554	551	538	534	534	536	520
6 Q	538	533	530	526	529	530	521	509	505	497	488	488	496	503	510	522	538	550	555	555	550	542	541	539	525
7	535	537	536	535	534	534	530	526	516	500	486	497	505	518	523	540	546	562	562	568	555	550	542	547	533
8	549	548	534	531	535	538	535	523	505	493	485	491	496	514	517	520	555	587	551	569	566	563	542	518	532
9 D	537	543	559	558	495	539	506	456	477	460	476	485	518	493	481	508	496	570	566	565	559	544	538	519	518
10 D	523	528	516	514	517	510	516	521	502	494	480	469	506	491	513	506	546	538	562	570	551	542	530	514	519
11	514	521	518	526	518	514	506	506	496	493	494	498	498	496	533	522	527	542	554	550	550	540	536	546	521
12	534	533	526	521	513	511	510	496	505	504	500	501	499	499	508	525	530	541	542	546	543	545	528	525	520
13	524	506	521	529	516	514	526	516	507	501	491	484	495	516	504	536	545	557	578	574	550	546	525	526	524
14	526	525	537	524	533	522	505	496	513	500	500	504	501	498	515	530	565	550	561	556	543	540	551	534	526
15	521	517	521	504	521	522	508	504	481	461	484	496	486	506	537	532	562	581	561	554	549	541	526	535	521
16	526	533	539	521	520	499	508	500	473	481	473	468	486	527	541	539	554	567	570	554	569	528	528	533	522
17	524	532	521	527	525	526	508	495	493	500	500	501	493	508	516	522	537	554	564	554	554	542	533	535	523
18	532	526	523	526	526	525	517	512	496	488	485	484	498	508	533	538	577	566	557	574	578	581	553	517	530
19 D	526	541	501	430	379	374	352	316	299	312	357	410	470	545	565	574	566	553	549	541	552	528	521	517	470
20	517	528	529	529	525	526	505	492	469	461	457	461	463	469	484	498	514	536	550	534	526	521	524	521	506
21	518	518	518	520	525	523	510	500	482	468	452	456	471	499	518	522	530	526	541	542	546	540	537	533	512
22	526	526	526	525	526	525	522	513	491	479	460	467	480	500	528	551	548	549	558	561	541	537	530	528	521
23 Q	530	529	524	523	525	524	521	514	497	477	467	465	475	488	513	524	536	546	551	552	549	542	539	541	519
24	538	537	537	536	536	540	536	529	512	496	486	486	495	503	521	555	569	548	533	565	561	547	544	539	531
25	529	525	532	533	540	536	525	516	511	507	494	495	499	509	519	533	542	551	551	553	548	543	537	537	528
26	538	537	536	541	538	531	520	514	503	494	491	496	507	513	535	512	553	538	560	569	564	545	523	527	529
27	517	528	511	529	527	524	520	509	495	487	476	485	500	512	521	534	544	553	556	551	544	538	540	538	522
28	539	525	528	531	535	531	523	516	507	488	488	492	495	503	510	525	536	545	556	555	550	553	550	545	526
29 Q	539	541	533	536	536	534	535	528	512	497	494	500	509	511	511	531	539	547	562	548	544	535	529	530	528
30 Q	531	527	532	532	532	529	523	518	513	507	500	499	507	503	523	540	548	560	570	561	551	546	540	540	531
Mean	529	530	528	525	521	520	513	503	492	483	480	485	495	505	518	529	543	553	558	557	551	542	536	532	522

10.5 / 6 / 10·6 / 06·1 / 0·1 / 12·8 / 0·2

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

290 ESKDALEMUIR (D) — 13° + — JUNE, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 D	38·4	37·4	36·6	36·5	35·7	33·5	31·8	33·8	37·3	37·8	42·9	47·7	44·1	44·6	43·3	42·2	41·1	42·1	40·8	41·8	36·4	35·7	37·4	38·6	39·1
2 D	37·8	37·4	35·1	32·7	32·6	36·7	35·5	33·0	32·1	35·8	40·3	43·8	45·7	45·8	45·9	44·3	44·1	44·3	41·3	37·3	34·4	33·5	35·7	36·6	38·4
3	36·3	34·6	33·6	33·0	33·9	35·4	31·8	32·6	31·9	32·7	38·0	41·2	44·3	44·5	44·2	43·8	43·6	41·1	40·2	39·3	39·2	39·3	37·7	33·9	37·8
4	35·6	36·3	36·6	36·3	34·9	34·6	33·6	31·0	30·2	31·1	34·6	39·1	43·2	45·1	45·8	43·3	42·1	40·2	38·5	38·3	37·5	38·0	37·4	37·1	37·5
5 Q	37·6	37·4	36·9	36·4	35·6	33·8	31·9	32·6	31·8	32·1	33·9	37·3	41·0	42·7	42·4	41·4	41·2	40·2	39·3	38·5	38·4	38·3	38·3	38·3	37·4
6 Q	38·3	37·4	37·3	35·7	34·6	33·9	31·9	30·1	29·0	29·3	32·9	36·9	39·5	42·0	43·1	43·3	42·4	39·6	38·1	38·3	38·9	38·8	38·5	38·5	37·0
7	37·7	37·5	37·3	37·3	35·8n	35·5	34·9	33·7	33·0	33·0	36·4	40·1	43·4	45·0	46·7	45·8	44·2	42·0	39·9	39·5	39·3	39·2	38·4	38·8	38·9
8	39·1	37·7	33·8	33·5	33·6	33·3	31·1	30·2	30·7	32·7	35·7	39·4	44·0	45·8	46·1	44·2	44·0	43·9	41·2	41·0	39·2	39·2	31·8	28·7	37·5
9 D	35·6	35·7	37·3	37·4	38·8	34·2	33·8	34·2	42·1	38·7	40·3	40·7	44·9	47·8	45·1	47·6	45·9	43·3	42·0	39·2	39·0	37·5	38·4	33·9	39·7
10 D	34·6	34·6	34·5	34·8	34·3	30·6	31·4	29·8	29·0	30·2	34·8	37·5	42·4	45·2	44·9	44·0	42·9	39·4	34·4	36·0	35·8	39·1	39·3	37·5	36·5
11	37·4	40·4	36·4	34·6	33·8	34·2	31·1	31·1	30·7	33·5	36·4	38·4	41·4	42·4	42·9	42·4	41·5	41·0	40·1	38·7	37·8	38·0	38·2	38·3	37·5
12	34·7	36·8	34·6	33·7	32·6	32·8	32·8	34·5	36·5	37·4	39·2	40·2	41·7	42·4	41·5	40·4	39·4	39·2	39·4	39·4	39·1	37·7	35·5	35·6	37·4
13	34·6	31·9	34·0	31·8	31·1	33·0	31·0	32·0	34·7	37·3	39·3	41·1	42·9	44·6	44·8	44·8	43·0	41·2	41·2	35·9	37·6	39·0	37·5	37·1	37·6
14	34·6	34·9	34·7	33·7	32·0	33·7	34·3	34·2	33·8	34·7	37·1	38·5	41·4	42·0	42·0	41·2	40·3	38·0	36·2	37·6	37·7	38·3	40·4	34·4	36·9
15	31·4	36·2	40·1	37·3	32·9	30·5	31·0	32·6	30·9	35·6	37·6	40·2	42·0	43·7	45·5	43·1	43·2	41·1	39·4	39·2	38·4	40·5	40·0	37·3	37·9
16	39·1	39·3	37·8	33·0	34·7	32·8	31·8	30·7	31·6	32·7	36·7	40·8	42·2	45·2	44·2	39·9	39·5	39·2	39·2	37·8	36·5	37·3	38·0	38·8	37·5
17	39·3	34·9	35·2	36·3	33·6	32·7	31·0	30·3	31·7	34·4	36·8	40·3	42·9	43·2	43·3	42·0	41·0	40·3	39·2	37·7	37·1	37·5	37·5	39·2	37·4
18	38·5	35·8	35·7	35·7	34·9	33·6	31·4	31·0	30·9	32·9	36·2	40·3	44·1	46·2	46·7	44·3	44·9	42·4	39·4	40·5	40·2	39·7	36·8	31·5	38·1
19 D	29·9	30·8	36·5	45·9	41·2	43·2	52·5	42·0	42·2	42·0	40·6	42·1	49·6	47·8	49·8	45·8	46·4	45·9	45·7	43·6	43·2	40·3	39·7	38·3	42·7
20	36·8	36·3	34·6	33·3	31·0	28·9	28·6	31·8	32·6	34·0	35·7	38·6	41·1	42·5	44·0	42·4	41·0	38·3	38·3	37·7	38·2	38·3	37·4	37·1	36·6
21	36·8	36·4	35·7	35·5	33·3	33·1	31·7	32·0	31·6	32·6	35·8	39·6	42·4	44·6	44·7	42·4	40·4	39·4	38·1	37·6	37·7	37·5	37·4	37·6	37·2
22	37·4	36·4	35·6	35·6	34·5	31·7	29·9	30·2	30·1	33·5	36·4	40·3	43·1	43·9	43·6	44·0	41·4	39·9	40·2	38·3	40·2	39·6	38·9	38·7	37·6
23 Q	38·0	37·6	36·5	34·4	33·3	32·7	31·2	30·2	31·1	33·9	36·9	39·1	42·4	44·3	43·8	41·3	39·5	38·4	38·7	39·2	39·2	38·9	38·4	38·5	37·4
24	37·7	36·9	37·4	36·5	35·7	34·5	31·0	30·6	30·6	32·6	36·3	40·1	43·8	45·8	46·3	44·9	42·0	41·0	40·8	40·6	38·4	37·7	38·3	38·5	38·3
25	36·3	35·7	37·9	39·6	38·6	34·0	31·0	30.9	30·8	31·5	34·7	36·8	40·4	41·8	42·0	41·6	40·3	39·3	38·4	38·3	37·8	37·4	37·3	36·7	37·0
26	36·5	36·6	36·3	35·5	33·8	31·6	29·8	29·6	30·9	33·8	36·8	39·6	43·5	45·2	46·4	44·9	44·3	41·2	40·4	40·2	39·1	38·7	35·0	35·5	37·7
27	33·8	32·7	32·0	31·1	32·2	30·9	30·9	31·7	32·3	32·7	35·7	39·3	43·0	44·3	44·7	43·0	41·1	40·5	40·8	40·2	39·3	38·5	39·2	37·8	36·9
28	35·6	33·0	34·5	34·6	33·0	31·8	30·9	31·0	31·7	31·2	33·7	36·4	39·2	42·0	43·3	44·0	43·2	42·1	41·6	40·4	39·2	38·7	38·3	37·6	37·0
29 Q	36·9	36·8	34·7	34·6	34·6	34·4	32·1	30·7	30·5	31·7	34·3	36·4	38·8	41·0	42·4	43·0	42·0	40·2	38·9	37·7	36·9	38·0	37·7	37·3	36·7
30 Q	36·6	35·0	36·1	34·8	33·9	32·6	30·9	30·7	30·9	33·2	36·6	39·5	43·2	43·8	44·0	43·9	42·5	41·5	40·4	39·3	38·8	38·6	37·7	36·3	37·5
Mean	36·4	36·0	35·8	35·4	34·3	33·5	32·4	32·0	32·4	33·8	36·8	39·7	42·7	44·2	44·4	43·3	42·3	40·9	39·7	39·0	38·3	38·3	37·7	36·8	37·8

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

0/2/B/1936/063/0-/BB/440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

291 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — JUNE, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	910	911	910	911	910	910	910	906	903	903	906	910	913	914	912	921	921	921	921	918	921	917	915	915	913
2 D	915	915	914	913	908	894	893	897	900	896	894	885	886	897	900	904	911	918	934	939	940	922	903	891	907
3	897	897	896	888	891	894	898	898	903	903	903	898	898	905	913	921	928	927	927	922	920	917	912	897	906
4	903	908	910	911	910	910	910	910	910	908	904	899	900	908	910	911	915	915	915	915	915	915	913	910	910
5 Q	910	910	911	915	911	911	915	910	903	898	900	900	903	907	910	910	912	915	917	917	915	914	910	910	910
6 Q	910	910	910	915	915	915	915	913	909	903	897	888	887	894	900	905	913	915	915	914	913	911	910	909	908
7	910	910	910	910	908	906	908	904	900	897	893	881	880	881	888	891	904	911	914	913	910	910	909	907	902
8	904	898	894	901	903	904	904	908	907	903	892	887	889	892	904	911	915	923	935	934	927	920	904	881	906
9 D	897	904	903	885	873	870	885	886	874	880	884	878	880	893	921	933	940	932	925	923	918	920	914	921	902
10 D	920	916	916	906	907	903	895	901	904	903	897	897	903	916	913	916	917	933	932	940	933	923	915	904	913
11	893	876	881	898	906	910	914	910	909	903	894	892	897	906	912	919	921	921	922	921	917	916	911	907	907
12	897	890	892	894	899	904	903	903	898	892	888	885	887	896	899	906	911	914	915	914	916	914	910	904	901
13	897	892	892	897	900	899	898	898	893	885	880	881	890	892	898	903	911	916	921	932	927	919	914	913	902
14	910	910	903	897	899	898	899	904	903	901	898	891	894	898	898	906	920	933	933	927	921	918	902	880	906
15	884	886	868	849	877	888	899	904	896	894	894	886	886	893	900	916	926	932	938	933	930	916	899	903	900
16	891	877	879	886	898	909	910	916	911	904	898	899	904	910	921	932	928	926	921	927	921	920	914	909	909
17	897	894	902	904	905	910	911	910	906	903	898	894	897	903	904	911	917	922	927	927	923	921	916	909	909
18	900	904	907	910	914	916	919	916	908	901	892	887	892	892	897	904	906	916	921	916	916	917	908	877	906
19 D	874	885	844	769	704	775	775	792	821	850	905	931	968	1017	1016	1009	975	956	940	945	945	950	940	933	897
20	930	927	927	927	924	923	923	923	923	922	921	911	915	920	924	927	927	927	927	928	928	925	921	919	924
21	919	918	920	920	922	923	923	921	915	914	910	904	904	907	909	914	921	921	920	922	921	919	917	916	917
22	916	917	917	917	920	922	919	916	911	910	910	910	913	915	915	921	930	933	931	928	923	919	916	915	919
23 Q	916	916	916	922	922	924	920	916	910	905	907	901	900	900	901	909	916	917	920	922	922	921	916	913	914
24	916	914	916	916	916	916	916	917	918	913	909	897	893	897	905	905	922	929	930	925	925	925	918	912	915
25	911	913	913	915	911	916	921	922	921	912	909	905	905	908	911	911	916	916	912	916	916	916	913	912	913
26	911	911	911	911	916	916	916	918	911	906	905	902	900	899	899	908	910	915	917	922	923	924	922	911	912
27	901	889	887	892	904	908	912	916	911	907	905	899	895	898	905	908	912	915	916	916	916	916	912	912	906
28	905	905	907	911	912	916	916	916	911	905	896	893	894	898	900	907	910	911	912	912	912	912	912	912	908
29 Q	912	910	911	911	911	911	911	916	915	911	892	887	886	893	899	899	901	907	915	922	923	921	916	915	908
30 Q	911	910	907	907	908	907	912	911	908	907	899	888	888	893	893	895	907	911	913	916	916	916	912	908	906
Mean	905	904	902	900	900	904	905	906	904	901	899	896	898	905	909	914	919	922	923	924	922	919	913	907	909

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

292 ESKDALEMUIR — JUNE, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 16,000 γ+			Minimum 16,000 γ+			Range	Maximum 13° +			Minimum 13° +			Range	Maximum 44,000 γ+			Minimum 44,000 γ+			Range			
	h	m	γ	h	m	γ	γ	h	m	′	h	m	′	′	h	m	γ	h	m	γ	γ			
1 D	16	47	638	9	18	468	170	11	29	49·6	21	0	28·8	20·8	20	58	931	9	24	900	31	418	1	80·3
2 D	17	9	648	11	51	458	190	14	28	48·6	8	16	29·8	18·8	20	0	950	11	43	881	69	619	1	80·3
3	23	6	575	10	24	463	112	13	17	45·1	8	52	30·8	14·3	16	41	931	0	4	876	55	429	1	80·4
4	19	48	558	11	53	460	98	14	18	46·1	8	16	29·8	16·3	17	0	916	12	7	898	18	236	0	80·5
5 Q	18	34	555	12	43	480	75	13	51	43·4	7	54	31·0	12·4	19	0	917	11	43	899	18	203	0	80·5
6 Q	18	32	559	10	33	485	74	15	22	43·8	8	48	28·3	15·5	18	10	916	12	23	886	30	256	0	80·5
7	19	38	582	10	38	481	101	14	30	46·9	8	19	32·2	14·7	18	46	915	12	20	879	36	324	0	80·6
8	17	46	634	10	36	481	153	13	46	46·7	22	41	19·5	27·2	18	28	938	23	0	873	65	542	1	80·6
9 D	17	50	636	16	14	411	225	16	3	54·4	6	8	25·9	28·5	16	18	945	4	32	867	78	715	1	80·6
10 D	19	50	601	11	3	457	144	14	46	46·7	7	34	27·7	19·0	19	4	945	24	0	887	58	493	1	80·6
11	18	13	566	13	33	477	89	15	3	44·5	8	28	29·6	14·9	18	43	923	1	48	868	55	389	1	80·6
12	19	48	558	7	28	488	70	13	32	43·1	4	30	31·7	11·4	20	12	917	11	16	884	33	259	1	80·7
13	19	44	598	11	33	479	119	13	56	46·7	6	40	29·1	17·6	19	34	934	11	0	880	54	430	1	80·7
14	16	47	598	7	16	480	118	13	6	42·7	6	8	29·1	13·6	18	7	938	23	31	879	59	455	1	80·8
15	17	53	616	9	12	451	165	14	50	46·8	0	52	29·1	17·7	18	38	939	3	23	843	96	697	1	80·8
16	20	19	598	11	32	457	141	13	32	46·7	6	40	28·9	17·8	15	40	931	1	33	875	56	482	1	80·8
17	18	18	570	12	12	484	86	13	47	44·3	7	39	29·7	14·6	19	25	928	11	52	892	36	301	0	80·9
18	20	18	614	11	25	479	135	14	18	47·7	23	36	27·2	20·5	18	12	922	24	0	867	55	465	1	80·9
19 D	15	4	622	8	4	368	254	3	50	60·1	0	18	25·3	34·8	14	5	1022	4	3	675	347	2143	2	80·9
20	18	38	554	13	1	447	107	14	13	44·9	6	22	28·2	18·7	19	54	928	11	43	910	18	258	1	81·0
21	18	57	553	10	23	447	106	13	58	45·1	8	32	29·8	15·3	5	2	927	12	12	903	24	278	0	81·0
22	15	50	568	10	40	450	109	13	51	45·0	8	30	28·2	16·8	17	18	933	11	0	909	24	286	0	81·0
23 Q	19	3	557	11	16	460	97	13	50	45·0	7	28	30·0	15·0	5	43	924	12	0	897	27	279	0	81·1
24	16	15	577	14	3	476	101	13	50	47·8	7	59	29·9	17·9	18	13	930	12	10	892	38	333	1	81·1
25	19	52	556	11	13	491	65	13	40	42·2	8	33	30·2	12·0	8	0	922	11	50	904	18	188	0	81·2
26	18	59	594	15	6	477	117	14	40	46·9	6	30	28·9	18·0	21	36	927	13	40	898	29	323	1	81·3
27	18	8	558	10	43	472	86	14	17	45·0	7	3	29·3	15·7	18	0	916	2	10	885	31	281	1	81·3
28	19	0	560	9	50	483	77	15	12	44·1	6	28	30·0	14·1	7	30	918	12	3	892	26	239	0	81·3
29 Q	18	48	565	10	18	492	73	15	30	43·1	8	3	29·9	13·2	20	13	924	12	10	886	38	290	0	81·3
30 Q	18	33	576	11	32	499	77	14	6	44·5	7	32	30·0	14·5	19	50	917	12	10	887	30	263	0	81·3
Mean	--	--	585	--	--	463	122	--	--	46·3	--	--	28·7	17·6	--	--	931	--	--	879	52	429	0·63	80·8
No. of Days Used	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	30	30	30

§ For explanation see page 1/5. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

0/2

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

293 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S. unit) + — JULY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	540	532	533	536	536	530	520	512	503	498	498	501	512	515	522	535	537	546	552	555	556	547	544	540	529
2 D	548	556	560	565	547	518	529	507	471	454	441	458	479	480	544	553	503	524	534	556	524	521	516	514	517
3	507	503	515	520	519	516	503	490	490	486	480	481	492	501	508	531	536	540	547	553	535	525	520	517	513
4	515	515	516	515	515	515	511	505	498	479	479	486	499	503	512	531	542	548	554	533	545	545	531	532	518
5	531	532	548	552	560	556	541	525	525	492	459	472	499	508	517	523	564	569	544	560	535	534	525	529	529
6 D	519	486	516	519	521	518	505	496	501	498	490	499	496	552	557	549	527	560	547	544	526	532	512	521	521
7	512	490	512	510	512	514	501	490	470	426	431	470	505	494	516	531	560	572	552	548	540	528	528	527	510
8	542	525	521	516	527	518	499	491	477	471	468	486	499	519	524	522	546	551	553	572	529	527	525	524	518
9	518	521	521	524	522	519	515	507	499	490	487	487	498	507	517	535	550	556	564	556	544	525	532	529	522
10 D	544	525	525	520	528	507	528	514	508	505	491	490	480	499	544	605	588	560	585	564	524	499	479	477	525
11 D	499	482	423	496	507	513	500	484	451	438	459	480	503	521	560	581	574	568	569	547	536	522	523	525	515
12	525	525	514	528	521	522	519	513	500	492	490	484	483	486	505	520	532	544	553	561	553	576	525	523	521
13	524	524	532	516	507	513	515	511	500	480	459	464	490	503	511	533	550	560	569	544	529	528	528	525	517
14 Q	521	521	523	524	523	520	512	507	503	494	484	486	492	507	514	532	546	552	553	551	545	534	527	525	521
15 Q	525	521	526	522	520	514	503	503	497	490	489	490	499	518	530	536	535	540	547	533	539	537	532	532	520
16	529	532	538	530	531	529	512	501	498	490	484	476	479	501	515	530	544	559	554	552	552	552	552	556	525
17	547	529	536	520	532	524	512	507	499	490	485	488	500	525	537	549	548	588	585	577	551	551	551	570	533
18	561	553	544	543	535	529	518	501	487	480	488	500	503	507	507	532	540	544	560	558	547	542	538	537	527
19	532	525	529	529	525	523	521	511	495	484	472	483	495	507	515	527	540	547	546	550	544	539	541	535	521
20	529	528	532	529	528	520	522	507	495	491	489	495	503	506	540	548	551	556	540	536	534	534	532	534	524
21 Q	533	532	529	528	532	532	532	525	507	494	484	486	491	508	525	540	551	551	552	545	544	540	537	536	526
22	536	536	535	534	533	539	529	515	500	492	492	491	499	512	516	527	534	544	554	557	556	545	541	529	527
23 Q	529	529	532	534	535	530	523	513	502	484	471	482	504	516	520	526	540	540	541	545	542	540	540	538	523
24 Q	536	535	532	534	534	533	530	520	511	509	503	511	514	511	507	531	543	553	559	560	552	548	543	544	531
25	542	537	535	536	532	542	532	522	511	500	494	482	490	510	508	533	547	550	555	552	554	547	546	535	529
26	537	550	533	529	527	527	520	510	497	492	491	502	514	524	533	543	547	547	543	543	539	538	537	533	527
27	532	528	527	531	534	535	530	522	506	494	493	496	507	521	525	543	534	555	562	562	550	530	541	534	529
28	535	524	522	511	544	533	512	503	498	493	486	508	521	529	540	524	531	542	553	549	545	540	537	540	526
29 D	538	539	538	536	534	527	533	538	526	508	510	509	517	503	571	525	520	567	565	545	545	537	507	516	531
30	503	498	514	523	498	514	517	497	489	483	486	484	489	503	517	523	527	534	538	536	533	530	525	524	512
31	521	521	522	523	525	526	524	515	502	477	474	499	513	518	512	533	551	542	548	548	544	546	529	537	523
Mean	529	524	528	527	527	524	518	508	497	486	481	488	499	510	525	537	543	552	554	551	542	537	530	530	523

10/0/2/4/1936/07 1/0 1/88/813

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

294 ESKDALEMUIR (D) — 13° + — JULY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36·6	35·7	35·5	35·0	33·1	30·8	30·7	30·3	31·2	34·0	37·7	41·7	43·9	44·8	44·5	44·3	42·9	41·1	39·6	39·2	38·3	37·6	37·4	37·1	37·6
2 D	35·7	34·6	33·6	32·6	30·3	27·1	25·3	20·8	26·5	30·7	31·9	36·5	33·5	47·1	49·0	50·2	42·0	41·2	40·2	38·6	37·7	39·5	37·0	36·4	35·7
3	39·5	38·4	34·5	34·7	34·1	33·7	34·2	35·6	37·0	36·4	39·3	42·4	44·9	45·9	45·2	43·4	42·0	40·8	38·8	37·7	38·5	39·3	38·3	37·5	38·8
4	36·5	36·4	35·6	34·7	34·0	33·1	32·8	32·7	32·8	34·4	37·9	40·1	41·6	42·3	42·1	40·3	38·5	38·9	39·3	38·5	38·1	38·6	37·3	37·4	37·2
5	37·2	36·7	36·8	36·7	35·6	35·5	34·3	39·2	36·7	34·8	37·5	40·9	42·9	44·3	43·8	42·6	41·7	40·1	37·6	37·5	37·5	38·1	37·2	37·3	38·4
6 D	35·4	28·9	28·9	32·8	34·6	34·5	34·7	32·0	31·8	33·9	37·3	38·4	44·8	45·8	48·5	46·7	45·3	41·3	41·9	41·8	39·5	36·2	34·8	37·9	37·8
7	30·7	34·0	37·5	34·1	33·5	33·2	31·2	29·5	28·4	30·7	36·4	37·4	42·0	42·0	42·1	42·0	42·2	41·1	39·3	38·5	38·2	38·1	37·4	37·2	36·5
8	36·6	35·4	33·3	33·4	36·7	33·8	32·9	32·9	31·5	32·6	36·4	40·0	43·9	46·0	45·4	44·8	43·9	42·0	40·2	35·5	37·0	37·2	36·2	37·3	37·7
9	35·7	35·8	35·4	34·9	33·5	31·7	30·6	30·1	29·8	30·7	31·7	34·3	38·4	41·6	42·8	43·0	42·3	41·5	40·5	39·1	38·2	37·3	37·5	35·7	36·3
10 D	34·7	34·8	34·1	34·4	36·4	35·7	36·1	31·7	31·6	29·7	32·6	37·2	41·4	44·9	47·5	45·5	43·7	41·3	43·0	40·3	37·6	31·3	33·2	28·2	37·0
11 D	24·2	26·9	32·8	31·3	33·6	32·0	30·4	30·4	30·5	36·5	37·3	37·2	40·7	43·0	46·8	43·7	51·8	48·2	43·4	40·0	39·2	38·1	38·4	38·5	37·3
12	35·6	34·5	34·5	35·5	31·7	31·5	30·4	29·5	29·8	31·3	33·2	36·6	39·2	41·9	43·3	43·7	42·3	40·1	38·4	38·3	37·1	33·4	30·8	34·9	35·7
13	32·9	36·7	36·2	30·9	36·2	35·7	32·3	31·3	32·0	33·4	36·8	38·2	38·7	41·9	41·2	41·1	37·7	39·0	36·4	37·2	37·7	37·6	37·4	37·2	36·5
14 Q	36·5	36·1	35·6	35·4	34·0	32·5	30·9	29·2	29·2	29·8	30·8	34·5	39·0	41·9	42·1	41·9	40·2	38·2	38·3	38·3	37·2	37·6	37·2	37·2	36·0
15 Q	36·6	35·7	35·8	34·4	33·6	32·6	32·8	33·9	32·5	33·6	35·7	39·5	43·0	44·5	43·6	41·3	39·6	39·0	37·7	37·0	36·4	35·8	37·2	37·2	37·0
16	36·4	36·3	40·2	38·4	37·7	35·4	29·0	25·7	27·0	29·8	32·5	35·8	39·3	42·3	42·0	41·2	40·4	40·9	39·9	38·6	38·8	38·2	37·4	38·4	36·7
17	34·9	35·7	36·9	33·2	32·3	30·1	30·0	30·7	31·3	33·7	36·5	39·2	41·9	43·7	45·2	45·0	43·2	44·0	43·1	36·4	38·2	38·2	36·8	36·3	37·4
18	36·2	35·1	37·9	35·6	34·0	33·5	31·9	31·3	31·7	32·3	34·6	38·3	41·0	43·5	44·0	42·7	41·1	40·0	39·0	37·6	36·2	37·2	36·3	37·1	37·0
19	36·0	38·7	37·3	35·6	33·2	32·6	31·0	29·4	28·9	29·8	33·4	36·9	42·5	45·0	43·3	42·3	40·3	38·1	35·8	36·3	35·6	35·6	35·6	34·7	36·2
20	36·1	39·0	37·7	35·7	34·6	35·8	34·0	32·0	32·5	31·4	33·6	38·3	42·1	43·2	43·9	43·1	40·1	39·6	37·3	37·2	37·4	37·3	37·2	36·9	37·3
21 Q	36·8	37·3	37·0	35·5	33·9	32·3	30·3	29·3	29·8	30·3	33·1	36·7	41·8	44·5	43·4	41·9	39·8	37·9	36·5	36·8	36·9	36·8	36·5	36·5	36·3
22	36·5	36·5	37·2	37·2	35·3	32·0	30·4	28·9	28·7	30·6	33·8	37·2	40·3	41·9	42·0	40·3	38·2	37·2	36·8	36·4	36·2	36·3	36·3	35·6	35·9
23 Q	36·4	36·4	35·7	35·4	34·5	32·5	30·9	30·7	31·3	34·0	38·0	41·1	42·0	41·9	41·9	40·4	39·0	37·3	36·5	37·1	36·6	36·4	36·5	37·0	36·6
24 Q	37·1	36·7	35·6	35·2	34·3	32·0	31·5	31·8	32·9	33·6	36·7	39·2	42·8	43·8	43·7	42·7	40·3	38·6	37·8	37·3	36·6	36·5	37·3	37·6	37·1
25	37·3	35·3	34·1	33·9	32·6	31·7	28·9	29·0	29·7	31·6	34·9	39·5	44·4	46·0	44·0	42·3	40·0	37·4	36·2	36·2	37·2	34·3	34·8	35·5	36·1
26	36·2	36·1	32·0	32·5	32·4	31·3	29·9	29·6	30·8	34·1	37·3	41·6	44·8	44·7	43·2	42·1	40·4	38·3	37·2	36·5	37·1	36·6	36·0	36·0	36·5
27	35·4	35·3	34·5	33·6	32·4	30·8	30·5	29·6	29·8	32·5	35·2	38·8	42·7	45·0	44·6	44·8	41·7	39·7	38·1	36·8	34·6	37·0	37·4	36·3	36·5
28	37·2	29·8	33·6	34·6	31·0	27·2	27·8	29·7	30·8	34·8	38·3	43·1	45·1	44·8	43·4	40·2	39·2	38·7	39·0	38·0	38·0	37·4	37·3	37·2	36·5
29 D	36·0	35·3	34·4	33·8	32·8	32·5	32·8	33·7	35·5	38·3	42·7	42·7	43·3	44·7	48·3	49·4	50·7	46·3	36·7	35·4	35·7	36·3	36·3	36·3	38·7
30	38·3	41·9	40·2	35·5	35·2	33·5	32·4	31·3	33·5	32·9	35·2	38·3	40·2	41·0	41·1	39·2	37·3	36·3	35·9	36·1	36·5	36·5	36·4	36·1	36·7
31	35·2	34·5	34·2	33·6	32·8	31·4	31·0	32·4	33·7	35·2	37·9	39·2	42·8	44·6	44·7	42·9	40·9	35·2	35·7	37·1	37·3	36·2	33·3	34·6	36·5
Mean	35·7	35·5	35·4	34·5	33·9	32·5	31·4	30·8	31·3	32·8	35·7	38·7	41·8	43·8	44·1	43·1	41·6	40·0	38·6	37·7	37·3	36·9	36·4	36·4	36·9

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

2/8/1936 673/0-/BB/440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

295 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — JULY, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	909	911	911	911	914	916	916	912	910	909	905	902	898	901	905	909	911	911	911	911	911	911	911	910	909
2 D	909	906	905	905	908	912	906	906	900	896	906	907	928	959	987	1038	1016	978	959	949	940	934	928	922	933
3	899	857	904	917	917	919	929	927	921	917	917	917	916	923	926	923	925	929	930	930	929	926	924	923	919
4	923	923	922	919	922	921	923	922	917	917	912	909	908	908	917	917	917	919	918	923	919	919	922	919	918
5	917	917	916	911	907	902	906	903	905	900	907	916	926	936	937	943	946	950	953	946	934	925	922	920	923
6 D	896	872	879	903	913	919	919	918	910	906	901	902	916	947	966	970	963	959	947	936	934	923	906	886	920
7	874	859	871	888	909	923	929	929	929	927	912	906	905	908	912	917	923	932	940	940	929	923	917	917	913
8	902	901	905	906	906	906	912	913	911	910	912	906	905	905	908	912	912	917	923	927	923	919	917	913	911
9	912	912	917	917	918	917	917	917	917	911	901	896	893	901	908	913	920	923	925	933	935	929	919	916	915
10 D	900	900	906	912	907	899	896	905	901	900	900	899	900	900	905	925	957	964	957	940	894	899	870	847	908
11 D	836	840	831	857	894	908	917	921	919	911	899	895	896	905	919	939	931	937	940	941	935	929	916	905	905
12	906	905	899	905	912	919	919	918	921	910	906	899	896	902	906	912	918	923	926	929	930	920	912	910	913
13	906	907	894	892	894	888	899	906	911	917	911	909	919	918	925	926	936	936	942	935	925	922	917	917	915
14 Q	916	916	917	917	918	918	920	923	919	911	902	899	889	890	899	906	917	924	926	925	923	920	917	916	914
15 Q	914	913	912	913	916	914	912	912	908	903	900	899	900	908	907	909	916	918	920	922	922	922	916	912	912
16	911	912	900	858	861	881	902	902	912	906	898	894	894	900	905	907	911	917	920	919	917	917	912	906	901
17	900	905	890	882	900	907	908	911	912	912	908	900	893	895	902	907	917	917	924	934	925	917	912	907	908
18	909	908	900	894	902	906	911	912	907	909	901	876	877	889	903	911	917	919	919	923	922	919	913	912	907
19	912	910	903	909	913	916	917	923	921	913	909	907	906	908	913	915	922	920	919	917	917	916	909	908	913
20	907	903	902	906	912	912	910	911	915	919	917	904	896	903	913	919	928	936	933	927	920	917	913	912	914
21 Q	913	913	912	915	919	922	919	923	922	912	909	903	895	898	905	912	920	925	926	925	922	919	912	912	915
22	912	912	912	912	913	913	913	912	906	899	896	901	900	900	906	911	915	918	918	917	918	918	911	910	910
23 Q	910	911	912	916	917	917	917	917	915	910	896	888	886	890	902	906	906	912	916	914	912	912	910	910	908
24 Q	909	909	910	912	917	917	913	912	907	905	901	896	896	901	905	907	915	920	923	919	917	916	911	909	910
25	907	906	909	912	913	908	912	915	913	908	905	898	882	887	902	911	917	923	923	921	917	916	906	906	909
26	906	900	897	901	906	907	908	907	906	901	894	890	890	893	900	909	913	917	917	916	913	912	910	910	905
27	909	909	910	910	913	913	913	913	911	908	901	895	893	893	900	908	917	923	926	925	921	917	913	910	910
28	895	894	898	895	890	896	901	902	899	893	888	888	888	890	896	906	915	915	909	910	911	911	910	909	900
29 D	909	909	909	910	911	912	908	906	906	901	890	895	901	909	922	953	959	972	988	972	949	922	910	910	922
30	907	893	876	871	878	889	900	906	911	909	905	902	904	903	913	917	919	919	919	917	916	915	916	915	905
31	915	915	913	913	913	913	911	912	915	912	909	906	906	908	918	919	927	942	940	929	923	917	913	909	917
Mean	905	902	901	903	908	909	912	913	912	908	904	900	900	906	914	922	928	930	930	928	923	919	913	909	912

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

296 ESKDALEMUIR — JULY, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force							Declination						Vertical Force							
	Maximum 16,000 γ+			Minimum 16,000 γ+			Range	Maximum 13° +			Minimum 13° +			Range	Maximum 44,000 γ+			Minimum 44,000 γ+			Range	$10{,}000\gamma^2$		
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	19	23	564	492	9	43	72	13	38	45·8	29·8	7	9	16·0	6	0	917	898	12	20	19	204	1	81·3
2 D	19	7	645	426	10	40	219	14	50	54·8	18·2	7	47	36·6	15	53	1053	893	9	4	160	1078	2	81·4
3	19	36	557	471	1	8	86	0	50	50·5	32·6	5	54	17·9	19	38	930	836	1	12	94	563	1	81·4
4	18	18	560	470	9	38	90	13	40	42·5	32·2	8	46	10·3	19	31	924	906	13	10	18	230	1	81·4
5	16	59	599	446	10	24	153	13	14	44·8	31·5	6	3	13·3	18	0	954	899	9	43	55	498	1	81·5
6 D	17	0	593	435	12	30	158	15	3	51·4	25·4	21	48	26·0	15	36	976	870	1	30	106	736	2	81·6
7	17	13	586	417	9	48	169	12	48	43·8	26·9	8	50	16·9	19	0	942	852	1	33	90	682	1	81·6
8	19	20	593	459	10	20	134	14	2	47·0	29·9	8	30	17·1	19	22	929	899	0	40	30	355	1	81·7
9	18	49	572	483	11	17	89	15	52	43·6	29·0	8	20	14·6	20	18	935	892	12	30	43	340	1	81·7
10 D	15	58	630	435	22	6	195	15	2	48·7	27·6	23	29	21·1	17	16	966	841	24	0	125	882	2	81·7
11 D	15	57	667	403	8	54	264	16	26	55·2	21·5	0	30	33·7	19	39	943	829	2	23	114	947	2	81·7
12	21	29	597	475	11	44	122	15	5	44·9	27·8	7	14	17·1	20	38	933	895	12	30	38	371	1	81·9
13	18	50	597	451	10	52	146	13	40	43·2	28·8	3	29	14·4	18	28	946	886	3	10	60	510	1	82·0
14 Q	16	42	561	480	10	32	81	14	13	42·7	28·9	8	0	13·9	18	14	929	888	12	40	41	318	0	82·1
15 Q	18	14	549	485	11	56	64	13	31	45·7	31·8	5	55	13·9	19	15	923	898	11	34	25	218	0	82·1
16	17	54	577	468	12	1	109	22	58	47·6	25·1	7	56	22·5	18	57	924	853	3	40	71	498	1	82·2
17	17	20	612	468	10	49	144	15	0	46·1	29·2	6	24	16·9	19	20	935	876	2	53	59	502	1	82·2
18	18	28	572	475	9	46	97	13	50	45·8	34·5	6	49	11·3	19	45	923	872	12	0	51	388	1	82·3
19	22	13	552	467	10	10	85	13	34	45·6	28·5	8	4	17·1	16	52	922	902	2	14	20	230	1	82·3
20	17	4	582	488	10	28	94	14	38	44·9	30·7	7	50	14·2	17	45	938	896	12	28	42	343	1	82·4
21 Q	18	24	560	479	11	6	81	13	28	44·8	28·9	7	56	15·9	19	0	928	893	12	46	35	291	0	82·4
22	19	54	562	491	11	23	71	13	55	42·3	27·8	8	40	14·5	17	50	919	895	10	18	24	225	0	82·4
23 Q	19	17	548	470	10	20	78	12	8	42·4	30·5	7	0	11·9	5	0	918	883	12	48	35	286	0	82·4
24 Q	19	17	563	502	11	4	61	13	50	43·9	30·8	5	50	13·1	18	8	923	893	12	4	30	235	0	82·5
25	18	11	563	469	11	52	94	13	17	46·6	28·6	6	41	18·0	17	40	923	878	12	40	45	357	1	82·5
26	1	43	555	489	10	32	66	12	46	45·5	29·2	7	23	16·3	17	50	918	889	12	40	29	239	0	82·5
27	17	48	575	486	11	4	89	13	49	46·3	28·7	8	17	17·6	18	56	929	892	12	30	37	313	1	82·5
28	19	3	563	478	10	16	85	12	40	45·8	26·4	5	3	19·4	17	10	916	887	12	29	29	270	1	82·6
29 D	14	28	647	455	16	19	192	16	16	57·4	30·0	6	37	27·4	18	28	995	886	11	37	109	805	2	82·6
30	18	37	538	477	11	40	61	1	47	43·1	28·1	7	47	15·0	16	32	920	869	3	24	51	329	1	82·8
31	16	17	582	461	10	12	121	14	2	45·6	30·3	5	37	15·3	17	40	945	904	24	0	41	384	1	82·8
Mean	--	--	581	466	--	--	115	--	--	46·5	28·7	--	--	17·7	--	--	938	882	--	--	56	440	0·94	82·1
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

297 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S. unit) + — AUGUST, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	533	521	519	526	529	524	506	509	510	497	488	489	496	501	516	533	541	539	537	548	534	530	530	539	521
2	524	528	522	524	524	521	522	518	502	493	491	495	508	522	532	538	530	540	553	547	546	551	526	528	524
3	531	529	533	530	527	522	520	512	500	492	488	496	513	526	546	536	539	548	557	521	546	543	522	524	525
4	524	523	529	517	520	524	516	503	491	487	477	489	500	512	525	536	540	543	542	540	535	536	536	532	520
5 D	532	530	530	532	530	525	520	514	501	499	492	495	503	514	534	517	537	569	563	552	540	528	523	517	525
6 D	517	506	516	528	532	510	487	491	484	478	478	482	485	496	503	531	545	545	542	546	534	530	528	527	513
7 Q	527	526	525	526	525	522	519	511	500	490	486	492	505	511	520	528	536	543	543	546	542	541	538	530	522
8 D	537	528	525	525	527	524	516	512	506	496	489	494	510	525	520	536	556	573	552	576	549	523	522	521	527
9	530	523	527	517	515	521	515	508	502	489	482	475	483	492	516	516	527	548	550	555	536	536	530	528	518
10 D	524	519	523	528	530	528	521	503	487	495	487	491	496	484	505	513	525	538	546	541	533	530	527	527	517
11 Q	525	525	521	517	520	517	513	505	497	489	490	488	492	500	516	519	530	536	540	535	534	532	528	527	517
12	525	525	528	528	523	520	518	514	507	497	494	496	500	506	529	532	533	537	552	552	546	535	547	528	524
13	521	524	527	531	534	528	520	508	499	495	491	501	503	509	517	532	536	537	549	552	540	532	530	528	523
14	528	533	532	532	531	528	521	516	515	509	504	499	501	509	518	525	526	535	545	549	549	546	541	540	526
15	542	538	537	540	538	543	536	533	516	502	492	486	487	492	496	516	531	538	538	539	536	538	530	528	524
16	532	539	525	528	529	532	528	521	514	499	489	488	496	506	517	528	543	539	551	544	533	529	527	527	523
17	527	521	524	524	524	524	517	506	496	488	487	491	500	511	514	519	529	541	541	541	537	536	532	529	519
18 Q	530	532	531	527	525	524	519	509	496	483	478	486	499	508	519	525	530	537	539	538	536	535	534	536	520
19 Q	534	532	533	533	534	532	525	516	505	492	482	484	490	502	516	531	528	538	543	544	540	540	537	537	523
20	533	533	533	532	535	535	533	527	515	504	494	495	503	516	535	522	540	551	558	547	539	535	528	534	528
21	544	528	526	526	528	528	521	508	500	490	479	483	495	505	511	520	528	537	540	539	540	538	536	535	520
22	534	536	530	529	528	530	521	516	507	501	495	489	487	499	506	521	536	551	553	541	540	536	536	534	523
23 Q	530	528	528	528	527	525	520	515	507	498	492	483	489	504	512	515	531	546	548	550	541	538	539	539	522
24	531	531	531	531	531	528	519	508	496	485	481	486	503	515	515	522	532	543	547	548	546	540	537	537	523
25	540	538	533	531	531	529	527	514	498	489	483	490	511	520	528	537	530	545	551	552	547	548	530	528	526
26	527	531	527	529	528	527	522	518	506	498	491	494	504	523	537	532	531	539	543	546	542	540	537	535	525
27	532	529	534	529	527	527	529	528	512	498	494	485	504	507	531	521	533	533	542	542	541	537	533	543	525
28	531	524	525	525	511	523	522	507	502	499	502	514	517	514	519	523	528	531	535	536	540	545	531	531	522
29	530	528	531	532	528	528	525	520	512	503	499	503	510	512	519	523	531	536	541	547	546	542	553	540	527
30 D	530	510	497	480	532	523	519	514	495	478	479	490	495	503	519	503	514	554	520	550	538	523	523	521	513
31	524	527	519	513	519	513	508	503	493	485	480	482	499	510	517	522	521	528	540	543	530	505	525	528	514
Mean	530	527	526	526	527	525	520	512	502	493	488	491	499	508	520	525	533	543	545	545	540	535	532	531	522

10/0/2/1936/081/01/E13/203.

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

298 ESKDALEMUIR (D) — 13° + — AUGUST, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	34·4	38·1	37·1	33·4	31·7	30·6	29·2	30·2	30·9	32·2	34·1	37·2	38·8	42·0	43·0	41·4	38·5	36·1	35·3	35·3	36·2	36·2	36·2	36·0	35·6
2	36·5	38·1	35·5	34·6	33·4	32·6	31·8	30·7	30·1	31·6	35·1	38·2	41·2	43·1	43·6	41·9	39·3	38·2	38·0	37·7	37·9	34·2	34·9	36·0	36·4
3	35·6	35·3	35·3	34·0	32·5	31·5	31·5	30·9	31·3	33·3	37·7	41·8	45·6	47·9	47·1	42·8	40·2	38·3	37·3	36·3	38·3	31·9	32·7	36·1	36·8
4	35·3	35·7	37·2	33·6	35·1	30·8	30·8	31·5	32·3	33·4	36·5	39·1	42·0	44·4	44·4	42·0	39·3	37·4	35·7	35·7	35·5	35·6	35·4	35·6	36·4
5 D	36·0	36·0	35·3	34·1	32·8	30·4	29·8	28·7	29·0	31·7	36·6	41·4	45·7	47·9	46·3	44·3	42·1	40·3	36·5	35·5	31·7	34·2	33·9	33·3	36·4
6 D	31·0	29·2	33·6	34·7	33·7	32·3	32·7	31·2	29·7	31·4	35·2	39·4	43·0	45·9	45·0	42·2	41·1	38·9	37·1	36·2	36·2	36·2	36·1	35·7	36·2
7 Q	35·4	35·0	34·4	34·0	32·5	30·6	29·2	28·7	29·1	30·8	33·7	37·3	40·0	41·0	41·6	41·3	40·2	38·8	37·4	36·7	37·3	37·2	36·9	45·3	36·0
8 D	35·4	34·1	33·0	32·6	32·4	29·6	28·2	30·7	32·7	35·4	38·9	41·8	44·1	46·1	45·0	43·9	42·3	41·4	37·5	38·6	32·2	32·4	35·6	35·9	36·7
9	34·9	32·8	34·8	31·4	31·6	32·0	29·5	28·1	28·8	31·4	34·4	37·5	40·7	42·0	43·3	41·7	39·8	37·3	37·4	37·2	36·5	37·7	37·3	38·6	35·7
10 D	32·6	32·4	31·2	29·5	29·1	29·6	30·7	30·7	33·7	35·3	39·1	40·5	43·7	43·8	44·0	43·0	41·8	39·5	38·1	36·9	36·0	36·1	35·5	35·1	36·1
11 Q	34·5	33·9	32·6	32·7	32·7	30·9	30·4	29·4	28·8	29·2	30·6	33·3	38·2	40·7	41·1	39·5	38·9	38·2	36·5	36·6	37·0	36·6	36·0	35·5	34·7
12	34·7	34·1	34·2	33·5	32·2	32·0	31·7	32·1	31·6	32·2	33·3	36·0	40·3	42·1	43·7	42·7	40·7	38·6	38·6	37·9	37·3	37·3	38·1	33·9	36·2
13	32·8	33·6	33·2	33·2	30·6	29·0	29·0	31·7	34·0	34·4	34·8	37·1	40·2	41·0	40·3	40·0	39·0	38·2	37·4	37·2	36·6	37·6	36·6	35·5	35·5
14	34·7	34·1	33·4	33·6	32·3	30·9	30·0	30·2	31·5	33·4	35·7	38·7	42·1	43·0	41·7	40·2	39·1	37·5	37·1	36·7	36·9	36·5	35·8	36·2	35·9
15	36·2	35·7	34·6	33·9	33·6	34·2	35·3	33·2	32·5	33·0	34·1	37·1	41·2	44·1	43·7	42·1	40·0	37·7	36·3	35·9	35·9	35·0	35·6	35·6	36·5
16	36·6	36·5	34·4	34·5	33·5	32·7	32·0	31·6	31·0	32·4	33·2	36·9	44·6	41·2	41·6	40·9	39·5	37·3	36·2	35·7	35·5	35·7	36·0	35·5	36·0
17	35·1	33·7	34·7	32·5	33·7	31·8	30·7	30·0	30·0	31·4	34·1	37·3	39·9	40·2	40·0	39·0	38·0	36·2	35·1	35·6	36·1	35·5	34·3	35·3	35·0
18 Q	36·0	36·7	35·2	34·7	34·3	32·4	31·0	30·7	30·5	31·4	34·3	37·8	40·9	41·4	40·1	39·0	37·1	35·7	35·6	36·2	36·3	36·2	36·0	36·0	35·6
19 Q	36·0	35·3	35·2	34·7	33·6	31·3	29·1	28·5	29·4	30·8	33·4	37·8	42·1	43·7	43·3	42·1	40·0	38·3	36·6	36·9	38·5	36·4	36·2	35·6	35·9
20	35·2	35·2	35·1	35·2	34·2	33·1	31·5	30·6	30·5	32·5	36·2	39·9	41·8	43·2	42·2	39·8	39·1	38·4	36·9	35·3	34·1	35·5	34·8	33·5	36·0
21	33·3	34·0	34·3	33·7	33·2	31·7	30·3	30·4	32·0	32·7	36·1	40·4	42·9	43·5	41·2	39·4	37·4	36·5	36·3	36·3	36·2	36·1	35·5	35·7	35·8
22	36·3	33·9	33·3	33·2	32·3	30·8	29·1	30·1	29·7	31·9	34·6	37·5	39·4	40·2	39·7	39·1	38·2	36·6	35·4	36·3	36·9	36·2	35·7	35·2	35·1
23 Q	35·0	34·9	34·8	34·7	34·2	33·1	31·8	30·2	30·2	31·3	34·0	38·4	42·1	42·5	41·1	38·5	38·4	37·6	37·5	37·4	37·2	37·0	36·2	35·9	36·0
24	35·7	35·7	34·8	34·3	33·5	31·9	29·7	28·2	29·1	31·2	35·5	39·3	42·1	42·3	40·4	38·6	37·4	37·4	38·3	38·3	38·1	35·9	35·6	35·8	35·8
25	35·8	35·5	34·6	34·2	33·5	32·1	30·9	29·6	29·5	31·2	34·7	40·2	43·9	44·2	42·2	40·9	37·6	37·5	36·4	37·4	37·6	38·1	34·1	34·7	36·1
26	31·9	30·9	33·8	33·7	32·7	31·9	31·1	31·7	31·8	33·1	35·9	39·4	40·5	41·2	41·8	39·2	37·7	37·5	38·3	37·4	36·6	36·6	35·8	35·6	35·7
27	34·9	34·4	34·0	32·1	31·9	31·2	32·3	31·8	33·0	35·6	38·8	43·3	45·2	44·9	43·6	38·8	38·1	36·6	36·7	37·4	36·6	35·8	34·6	34·1	36·5
28	31·3	33·2	34·3	34·7	35·8	35·8	35·0	34·6	35·1	34·1	37·5	39·4	40·5	39·8	39·3	38·4	36·9	35·8	34·8	36·5	35·8	35·1	35·6	35·7	36·0
29	35·6	35·7	34·7	34·1	33·6	33·6	32·7	32·7	32·6	32·7	35·5	38·4	39·2	38·5	37·5	36·8	36·6	36·4	36·4	36·8	37·2	35·5	33·8	35·0	35·5
30 D	33·9	29·4	25·0	30·5	28·2	27·1	29·2	29·7	31·3	33·1	36·0	38·7	40·4	41·3	41·4	38·7	37·1	37·7	38·5	37·4	28·2	35·6	36·0	36·1	34·2
31	35·8	32·4	33·2	29·9	33·7	31·4	31·3	33·1	33·3	35·5	38·6	40·0	42·2	42·3	40·4	38·5	36·9	36·6	37·2	36·6	34·8	35·8	35·7	35·1	35·8
Mean	34·8	34·4	34·1	33·4	32·8	31·6	30·9	30·7	31·1	32·6	35·4	38·7	41·8	42·8	42·2	40·5	39·0	37·7	36·9	36·7	35·9	35·9	35·6	35·8	35·9

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

10/2/B/1936/683/0-/BB/440.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

299 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — AUGUST, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	901	889	876	890	901	909	915	917	917	913	911	911	908	907	912	917	924	927	928	923	918	917	914	910	911
2	906	901	904	907	910	911	910	912	914	913	909	904	897	894	900	907	912	916	914	916	916	907	907	911	908
3	909	911	910	910	913	913	913	913	912	907	903	896	896	902	909	918	917	917	916	918	917	917	917	913	911
4	913	912	905	908	907	902	902	902	897	894	899	901	897	900	901	907	912	914	918	918	915	913	911	910	907
5 D	909	909	910	908	912	913	909	907	902	898	892	888	888	894	910	919	923	929	938	937	934	923	919	913	912
6 D	898	891	884	887	887	895	896	899	904	902	895	891	895	901	906	908	912	918	919	918	917	914	912	912	903
7 Q	912	913	914	915	917	918	918	915	914	910	904	897	893	893	899	904	909	914	914	914	913	910	910	911	910
8 D	907	907	909	910	912	910	908	908	901	895	892	890	885	894	909	912	912	917	928	929	937	925	918	917	910
9	912	912	905	902	908	906	907	907	905	900	891	885	887	897	907	919	926	931	933	935	929	921	918	904	910
10 D	902	905	902	897	886	888	891	895	894	891	894	897	902	907	912	914	919	924	921	918	915	914	913	912	905
11 Q	914	912	912	914	917	917	915	916	916	912	910	903	897	902	911	917	920	921	921	920	919	916	915	915	914
12	913	913	912	911	908	916	916	912	908	903	899	895	891	898	905	909	912	915	916	920	920	919	912	902	909
13	909	912	913	910	908	910	913	910	908	907	905	893	891	897	906	913	915	915	912	915	918	916	915	914	909
14	914	912	911	911	913	915	916	914	908	905	897	889	888	895	905	911	913	912	911	913	913	913	913	912	909
15	911	911	909	908	910	911	910	909	910	909	903	902	897	903	909	909	915	917	915	915	915	915	915	913	910
16	912	905	905	909	912	914	916	919	915	910	906	905	905	907	911	914	915	922	925	925	924	921	917	915	914
17	914	912	909	908	912	917	921	922	917	910	906	900	896	897	903	907	914	921	921	917	916	916	914	912	912
18 Q	910	909	910	914	916	919	921	921	914	904	899	892	892	900	906	913	914	915	913	912	910	910	910	910	910
19 Q	910	912	912	914	916	916	916	913	907	897	898	892	893	898	909	910	917	914	913	912	911	910	910	910	909
20	912	912	912	912	913	912	911	910	908	906	905	898	893	899	911	919	923	924	927	930	928	922	917	913	913
21	901	900	905	911	915	917	922	918	907	898	894	893	894	899	907	914	919	921	915	912	912	912	911	911	909
22	911	907	907	910	912	913	914	911	906	904	901	903	901	904	911	913	916	921	924	928	923	918	916	913	912
23 Q	913	914	915	916	917	918	922	922	916	908	902	898	899	905	914	918	921	918	919	918	917	915	912	911	914
24	911	912	913	914	916	917	918	918	914	907	901	893	888	898	906	913	916	917	916	916	912	913	912	911	911
25	909	908	910	911	913	917	918	918	915	910	904	892	893	899	910	911	911	911	911	913	913	912	917	916	910
26	915	911	910	911	911	911	911	911	907	899	892	887	887	888	893	901	905	907	907	910	911	911	910	910	905
27	912	912	910	910	912	912	912	911	907	902	890	882	892	900	907	916	917	917	912	912	912	915	916	912	908
28	908	909	911	911	910	906	906	914	917	912	901	897	899	906	912	917	918	918	918	918	918	913	907	909	911
29	910	909	908	908	910	911	912	912	913	908	903	898	894	894	896	906	911	912	914	914	915	916	909	891	907
30 D	888	880	880	879	875	894	905	906	911	912	906	906	905	903	905	915	915	917	928	929	931	918	917	918	906
31	916	911	911	906	906	906	912	911	908	906	901	896	894	900	907	915	914	914	913	918	923	922	916	914	910
Mean	909	908	907	907	909	911	912	912	909	905	900	896	895	899	907	912	916	918	919	919	918	916	913	911	910

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

300 ESKDALEMUIR — AUGUST, 1936

Day	Terrestrial Magnetic Elements																		HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 16,000 γ+		Minimum 16,000 γ+			Range	Maximum 13° +		Minimum 13° +			Range	Maximum 44,000 γ+		Minimum 44,000 γ+			Range			
	h	m	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ				°A
1	18	18	551	11	46	69	1	56	44·8	28·2	6	34	16·6	17	47	926	872	2	5	54	356	1	82·8
2	21	7	570	9	34	82	14	12	44·4	29·2	8	36	15·2	20	32	919	891	13	17	28	260	1	82·9
3	18	44	560	10	37	73	13	38	49·4	29·7	21	48	19·7	15	28	919	894	12	6	25	232	1	82·8
4	17	32	547	10	23	75	13	42	44·9	30·1	5	40	14·8	18	38	919	892	9	24	27	245	0	82·9
5 D	17	23	580	10	6	93	13	28	49·4	27·0	7	53	22·4	18	54	939	885	11	52	54	395	1	83·0
6 D	16	53	559	6	27	91	13	40	46·3	27·7	1	28	18·6	18	20	921	882	2	41	39	324	1	83·1
7 Q	19	17	549	10	15	65	14	46	41·8	28·7	7	36	13·1	4	56	919	892	12	50	27	228	0	83·1
8 D	17	8	593	9	56	102	13	29	48·6	19·9	20	48	26·7	20	45	942	883	12	36	59	432	1	83·1
9	19	28	568	11	6	107	14	34	43·9	27·0	7	50	16·9	19	18	935	883	12	13	52	410	1	83·1
10 D	18	34	552	13	9	83	12	21	45·5	27·7	3	57	17·8	16	52	925	885	5	20	40	316	1	83·1
11 Q	18	24	545	9	38	63	14	30	41·4	28·2	8	12	13·2	18	36	922	894	12	44	28	229	0	83·1
12	22	37	563	10	47	78	14	26	45·4	30·8	9	4	14·6	20	1	921	890	12	40	31	268	1	83·2
13	19	0	558	10	12	71	13	6	41·3	27·1	6	34	14·2	20	17	918	886	12	17	32	260	0	83·2
14	19	57	559	11	45	64	14	22	43·9	29·7	6	36	14·2	6	53	916	885	12	16	31	245	1	83·2
15	19	19	548	11	8	67	13	57	44·9	31·0	7	48	13·9	17	28	918	896	12	40	22	210	0	83·2
16	18	25	558	10	53	72	13	57	41·8	30·5	9	4	11·3	18	50	926	902	1	40	24	227	1	83·4
17	17	33	545	9	47	61	13	28	40·7	29·7	8	7	11·0	17	48	923	894	12	58	29	230	0	83·2
18 Q	18	22	540	10	9	65	13	10	41·9	30·2	8	36	11·7	7	0	921	892	12	20	29	237	0	83·4
19 Q	19	58	547	10	36	68	13	53	44·0	28·4	7	19	15·6	5	50	917	890	11	46	27	233	0	83·2
20	18	42	564	10	50	78	13	23	43·6	30·0	8	27	13·6	19	50	932	893	12	30	39	304	1	83·3
21	0	16	563	11	6	89	13	2	44·1	29·1	6	56	15·0	6	50	922	893	11	20	29	277	0	83·4
22	17	48	558	11	58	75	13	24	40·7	28·6	6	35	12·1	19	20	928	901	9	55	27	245	0	83·3
23 Q	19	21	555	11	48	74	13	10	43·1	29·9	7	30	13·2	6	20	922	897	11	5	25	234	0	83·3
24	19	4	555	10	30	76	13	19	43·0	28·0	7	12	15·0	6	55	921	888	12	18	33	273	0	83·3
25	19	10	559	10	20	81	13	22	45·1	28·6	7	56	16·5	7	29	920	889	11	50	31	273	1	83·3
26	18	50	551	10	31	62	14	7	42·6	29·6	1	16	13·0	0	20	917	884	11	38	33	250	0	83·3
27	23	37	552	11	8	82	12	15	46·1	30·7	5	28	15·4	17	12	918	881	11	42	37	301	1	83·4
28	21	50	555	9	35	61	13	6	41·2	30·1	0	9	11·1	17	58	919	896	11	38	23	204	0	83·5
29	23	3	572	10	37	74	12	20	39·4	31·8	8	58	7·6	21	47	918	887	23	24	31	261	0	83·5
30 D	17	52	611	457	3	21	154	14	42	42·3	21·9	2	32	20·4	20	14	941	864	3	52	77	599	1	83·5
31	18	58	550	473	11	28	77	13	8	43·2	26·6	3	40	16·6	20	30	923	894	12	42	29	257	1	83·5
Mean	--	--	559	481	--	--	78	--	--	43·7	28·6	--	--	15·2	--	--	923	889	--	--	35	284	0·55	83·2
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day for the computation of Tables 323-334

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

301 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — SEPTEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	526	524	527	519	518	515	509	503	493	480	480	490	507	512	518	518	521	524	528	537	531	526	527	529	515
2	530	529	533	510	515	515	506	497	482	472	470	485	501	519	510	515	527	530	530	530	529	527	527	528	513
3 Q	527	526	526	525	521	521	513	501	484	469	466	480	497	506	511	526	524	526	528	530	532	531	533	530	514
4	533	532	534	519	526	526	518	510	493	465	466	477	497	511	519	527	530	518	528	537	534	546	538	526	517
5	530	529	532	533	519	528	530	514	501	487	479	484	501	513	522	529	532	531	530	531	535	538	530	530	520
6	527	529	531	517	514	515	510	505	493	480	478	485	499	513	521	521	522	522	525	531	536	537	530	527	515
7 Q	526	525	525	525	525	522	517	510	500	492	490	486	494	506	515	522	526	525	533	534	535	537	537	535	518
8	534	533	532	531	530	528	523	518	497	489	488	491	494	496	506	517	512	521	529	535	536	528	526	529	518
9	538	537	522	525	521	522	518	509	509	485	480	479	500	510	500	496	516	531	525	531	534	533	529	529	516
10	526	529	530	536	525	522	519	513	502	496	488	483	501	508	516	511	509	518	525	529	527	529	527	529	517
11 D	529	521	519	527	525	520	527	521	507	489	461	468	491	506	501	512	521	500	504	514	513	516	521	537	510
12	515	514	521	509	525	521	519	515	504	494	487	487	491	493	501	508	512	514	520	529	524	531	514	513	511
13 Q	520	524	520	520	520	519	519	511	499	483	479	483	491	499	507	511	515	520	525	532	532	528	525	528	513
14	527	528	529	525	527	525	526	515	502	486	475	486	486	499	510	504	507	513	530	532	532	531	529	532	515
15	536	529	521	521	527	525	524	516	511	499	495	487	495	505	504	503	511	530	528	528	522	525	521	522	516
16 Q	525	524	524	525	524	520	513	503	491	479	473	470	491	503	514	517	523	526	528	532	532	531	528	529	514
17	529	533	533	530	528	529	524	513	501	487	480	486	492	500	508	516	521	528	532	532	532	533	539	539	519
18	539	537	536	534	534	530	528	526	515	501	497	491	482	493	501	511	512	522	529	536	536	540	538	529	521
19	529	530	528	529	529	528	526	519	509	495	485	484	487	500	511	521	522	530	536	537	540	539	539	534	520
20	532	530	528	528	526	529	532	525	512	496	487	478	486	502	510	524	519	530	536	540	537	538	537	538	521
21	538	537	538	538	538	542	544	533	517	498	479	483	480	491	503	517	524	532	538	540	538	531	537	528	523
22	533	535	535	533	536	537	534	525	514	498	480	476	480	492	506	525	533	540	538	544	545	549	541	538	524
23 D	538	538	542	554	553	545	512	521	520	498	472	469	473	484	483	497	516	524	527	528	526	527	527	527	517
24	527	522	518	514	525	529	525	512	500	484	472	470	479	491	501	511	513	520	526	529	529	526	533	525	512
25 Q	522	522	522	525	527	526	525	518	507	491	482	474	479	496	511	522	525	530	533	533	532	533	531	535	517
26 D	546	529	528	530	543	529	512	505	480	476	465	457	460	491	500	509	522	520	505	508	508	506	516	504	506
27 D	511	512	512	512	515	516	513	506	501	493	482	473	479	492	504	508	513	516	524	530	531	528	529	524	509
28	521	521	524	524	524	521	515	502	486	477	477	484	476	496	513	515	517	524	528	532	536	530	530	537	513
29 D	528	521	519	519	522	519	522	513	503	495	491	484	487	495	499	521	507	519	523	520	524	528	537	526	513
30	524	524	524	524	524	524	520	512	498	485	479	481	489	495	500	513	516	520	529	525	528	539	532	525	514
Mean	529	527	527	525	526	525	521	513	501	487	479	481	489	501	507	515	519	523	527	531	531	531	530	529	516

10/5/0/2/13/1936/09/01/B13/B13

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

302 ESKDALEMUIR (D) — 13° + — SEPTEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	34·5	34·5	34·7	33·0	32·9	30·8	31·2	30·6	30·8	32·2	35·8	39·8	42·0	41·6	39·0	36·7	35·5	35·5	35·9	36·8	36·8	35·9	35·1	34·9	35·3
2	34·8	34·2	34·4	29·4	31·0	32·2	31·3	30·8	30·4	31·5	35·3	39·7	41·9	43·8	40·8	38·9	37·1	35·8	35·8	36·4	36·2	35·9	35·2	35·0	35·3
3 Q	35·0	35·0	34·8	34·5	33·3	32·9	31·3	30·3	30·5	32·9	36·8	41·1	43·3	43·2	41·3	39·8	37·1	35·9	35·7	35·9	35·7	35·1	35·5	35·1	35·9
4	35·3	34·7	32·7	31·3	32·7	31·7	30·1	28·0	28·7	31·3	36·0	41·7	44·6	44·3	42·2	39·2	36·9	35·1	36·4	35·2	34·5	36·1	29·4	31·0	35·0
5	31·0	28·9	29·5	28·3	29·7	30·9	32·5	31·9	30·2	31·3	37·1	41·3	43·4	43·9	42·1	39·9	37·6	36·6	36·5	37·6	36·8	35·6	35·8	35·8	35·2
6	34·8	33·2	30·4	28·2	32·2	31·9	31·4	31·8	32·1	33·7	36·5	41·2	43·9	43·2	40·4	37·5	35·9	35·7	36·3	36·3	36·0	35·9	35·9	35·6	35·4
7 Q	35·0	34·6	33·9	33·7	33·0	32·6	32·0	31·9	32·8	33·9	36·1	40·4	42·2	41·6	39·9	37·8	36·8	36·5	37·3	37·0	36·8	36·6	36·3	36·1	36·0
8	35·7	34·8	34·0	33·2	33·0	32·2	32·0	31·2	32·8	35·9	39·3	40·3	41·5	42·2	41·3	38·9	35·4	34·0	35·0	36·3	36·5	35·6	35·1	35·8	35·9
9	37·0	36·7	34·8	33·9	32·9	32·2	31·6	33·0	34·3	35·7	39·4	40·6	41·6	44·2	43·8	41·3	37·9	35·9	34·1	33·9	35·2	35·6	35·2	35·4	36·5
10	35·5	35·6	34·8	34·3	31·0	32·4	31·1	30·7	31·2	32·9	37·9	40·5	43·8	43·4	43·6	41·2	39·3	36·5	35·8	34·9	34·4	34·5	34·1	35·0	36·0
11 D	35·7	34·9	35·7	35·9	34·8	36·8	35·0	32·4	30·1	30·5	35·4	41·0	43·2	46·9	45·4	44·0	39·8	40·6	37·0	35·9	34·4	35·7	35·4	34·6	37·1
12	34·2	35·7	36·8	36·1	35·4	33·1	32·6	31·1	31·2	32·9	36·1	38·6	40·6	40·8	40·3	38·9	37·0	35·0	35·4	35·0	35·4	34·4	32·3	32·9	35·5
13 Q	34·0	34·7	34·3	33·0	32·3	32·0	31·7	30·7	30·2	31·1	34·4	37·5	40·2	41·8	41·3	38·8	37·4	35·8	35·5	35·2	35·6	35·6	35·3	35·7	35·2
14	35·0	34·7	34·3	34·5	33·8	32·7	31·5	31·1	30·5	32·1	35·3	39·3	39·5	40·0	40·3	38·6	36·8	35·8	35·7	35·7	35·7	35·6	35·5	35·3	35·4
15	33·9	32·8	33·1	35·0	33·6	32·8	32·7	31·7	31·7	32·7	36·2	40·3	43·3	43·0	42·2	40·5	38·3	36·2	34·9	35·6	35·5	35·6	34·6	34·2	35·9
16 Q	34·3	34·3	33·9	33·8	33·7	32·8	31·1	30·1	30·0	31·9	35·6	39·5	42·4	42·5	41·1	38·5	36·6	35·8	35·8	35·5	35·8	35·6	35·5	35·6	35·5
17	35·1	35·2	34·0	33·8	33·9	33·4	32·6	30·8	30·4	32·1	35·3	38·7	41·1	41·4	40·5	38·9	37·4	36·5	36·4	35·8	35·6	35·3	35·1	34·7	35·6
18	34·7	34·3	34·1	33·9	33·9	33·6	32·4	30·2	30·3	34·6	35·6	38·5	39·2	41·2	42·3	41·9	38·8	36·4	36·6	36·2	35·8	35·6	34·8	34·3	35·8
19	34·3	34·1	34·0	33·9	33·8	33·1	32·0	30·3	29·2	30·0	32·8	35·0	38·1	39·7	39·9	39·3	38·6	38·5	37·8	36·6	35·8	35·6	35·6	34·7	35·1
20	34·2	33·8	33·6	33·3	33·5	33·8	33·6	31·9	30·3	30·6	32·7	35·1	38·8	41·9	41·9	42·1	39·6	37·8	36·6	36·0	35·7	35·0	34·7	34·8	35·5
21	34·7	34·5	34·1	33·4	32·9	32·6	31·7	29·7	27·8	29·0	32·2	37·4	41·0	43·2	43·1	41·7	39·3	37·5	36·6	35·9	35·9	35·6	34·5	31·8	35·3
22	33·6	33·7	33·6	33·1	32·9	33·1	32·7	30·6	28·5	28·3	31·9	35·5	40·8	42·5	42·8	41·4	38·7	37·0	35·8	35·8	35·8	34·5	33·9	34·1	35·0
23 D	34·1	33·6	34·5	34·1	33·9	33·6	32·3	33·6	30·0	31·0	33·8	39·9	43·1	47·7	46·0	42·3	39·4	37·1	35·7	35·0	34·8	34·8	34·6	34·5	36·2
24	33·8	32·7	32·7	32·8	33·1	33·8	32·0	29·6	28·9	28·8	31·9	38·1	42·1	42·7	42·2	41·1	37·7	35·8	35·8	35·1	35·3	34·8	34·1	32·7	34·9
25 Q	32·8	34·2	34·1	34·0	34·2	33·3	32·7	30·5	29·1	29·5	31·9	36·5	40·2	42·4	42·2	40·3	38·5	37·4	36·7	36·6	36·0	35·8	35·5	35·3	35·4
26 D	32·7	35·0	30·4	30·8	31·8	29·2	30·0	35·2	33·6	34·8	38·7	42·3	46·9	50·7	49·2	46·4	45·2	39·2	38·5	33·7	34·9	33·8	26·4	30·1	36·6
27 D	33·5	33·8	33·6	33·6	33·0	32·9	32·6	31·0	29·9	31·1	35·2	38·3	40·2	41·2	40·4	38·5	36·5	35·7	36·5	35·8	35·6	35·5	34·9	34·7	35·2
28	33·8	34·9	34·6	34·5	33·6	32·9	32·0	30·0	28·7	29·9	34·6	40·2	41·2	42·0	41·7	39·2	37·3	36·4	36·4	35·7	35·5	34·9	34·7	31·7	35·3
29 D	28·7	28·9	29·3	30·2	30·1	31·5	29·8	29·1	29·0	30·2	33·8	40·4	43·9	46·8	44·9	39·2	38·4	36·8	36·1	35·3	35·3	35·0	32·3	32·8	34·5
30	34·1	33·8	33·4	33·7	33·6	33·5	32·7	31·0	29·4	29·7	31·8	36·2	38·7	39·7	38·7	37·2	36·3	36·2	36·1	35·5	35·5	34·8	33·5	32·0	34·5
Mean	34·2	34·1	33·6	33·1	33·0	32·7	31·9	31·0	30·4	31·7	35·2	39·2	41·8	43·0	42·0	40·0	37·9	36·5	36·2	35·7	35·6	35·3	34·4	34·2	35·5

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

1/2/B/1936/093/0/B6/440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

303 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — SEPTEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	914	914	912	912	913	914	913	912	913	913	909	902	901	909	918	922	919	917	913	913	914	917	916	916	913
2	914	910	902	908	913	915	917	914	914	913	913	907	902	907	914	918	919	919	918	914	914	914	914	914	913
3 Q	914	914	916	917	918	919	922	922	919	914	906	901	896	896	902	908	913	913	912	912	913	913	913	913	912
4	914	913	908	910	914	917	917	921	918	914	910	901	899	904	912	915	920	920	915	917	919	913	908	908	913
5	907	904	898	896	896	897	902	910	914	913	906	898	901	905	913	918	921	922	922	918	916	914	913	914	909
6	914	913	908	908	909	911	916	918	918	918	909	901	900	902	910	916	918	916	913	914	914	914	915	915	912
7 Q	915	915	915	917	918	919	920	918	917	913	906	901	903	908	913	914	916	916	916	917	918	918	917	916	914
8	916	917	919	920	920	920	920	920	920	919	910	906	903	903	911	922	932	933	932	928	926	926	925	921	920
9	915	909	913	916	920	920	921	922	918	918	916	917	919	920	929	928	928	929	932	932	926	926	922	920	921
10	919	919	917	910	907	909	917	919	918	917	915	914	914	918	922	931	937	937	932	931	931	926	922	919	921
11 D	915	918	919	915	915	915	914	917	919	915	908	902	908	915	930	945	968	966	962	949	943	936	929	917	927
12	916	918	915	914	908	914	919	924	923	922	919	914	914	915	915	915	919	919	925	926	925	924	919	920	918
13 Q	919	918	919	918	917	919	922	925	925	925	913	904	906	908	915	918	917	918	919	919	919	921	921	920	918
14	919	919	916	916	916	919	921	924	920	918	913	908	910	912	917	926	928	925	920	919	919	920	919	919	918
15	915	915	916	915	918	919	920	920	919	915	913	913	909	911	921	925	925	926	931	931	931	930	925	924	920
16 Q	921	921	921	920	919	919	921	921	918	913	907	901	898	898	902	909	913	916	918	919	919	919	918	919	915
17	918	918	915	915	916	915	917	917	914	912	906	893	891	900	905	911	912	913	914	914	915	915	914	915	911
18	914	914	914	913	913	913	914	914	912	905	905	907	907	900	901	907	918	924	924	922	920	918	916	917	913
19	918	918	918	918	918	918	920	921	918	910	904	901	898	895	898	906	908	912	912	912	913	913	912	913	911
20	917	917	918	917	917	915	914	917	915	912	907	900	898	900	905	914	916	915	917	916	917	916	914	913	913
21	913	913	913	913	913	912	914	917	916	914	910	897	895	895	898	905	912	912	912	914	915	917	917	916	911
22	914	913	912	914	914	914	919	918	915	912	908	898	894	898	901	907	914	917	917	916	914	916	917	915	912
23 D	917	914	914	910	902	897	907	907	914	917	913	908	907	915	922	924	925	926	925	925	925	924	923	922	916
24	919	918	918	918	918	920	925	931	934	931	912	906	902	903	906	912	918	918	918	917	918	918	918	917	917
25 Q	912	911	912	912	912	913	916	917	917	915	907	901	900	902	911	916	914	913	914	916	916	915	913	911	912
26 D	904	899	899	900	897	897	902	911	917	913	913	914	923	930	953	969	979	994	982	968	957	947	939	927	931
27 D	924	923	923	923	922	921	923	923	919	916	913	907	906	906	908	913	916	917	917	917	917	917	918	919	917
28	919	919	917	917	917	917	922	924	924	917	909	906	905	905	911	915	917	916	917	917	917	919	918	914	916
29 D	911	910	909	911	914	915	917	921	923	917	916	910	910	911	929	939	930	924	925	928	927	924	918	917	919
30	919	919	918	918	919	919	920	923	923	921	911	905	901	904	907	911	913	913	915	917	917	917	912	910	915
Mean	916	915	914	914	914	914	917	919	919	916	910	905	904	907	913	919	923	924	923	922	921	920	918	917	916

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

304 ESKDALEMUIR — SEPTEMBER, 1936

Day	Terrestrial Magnetic Elements																		$HR_H + VR_V$ §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	Horizontal Force						Declination						Vertical Force								
	Maximum 16,000 γ+			Minimum 16,000 γ+		Range	Maximum 13° +			Minimum 13° +		Range	Maximum 44,000 γ+			Minimum 44,000 γ+		Range			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	19	46	541	474	9	52	67	12	58	38·2	30·0	8	0	8·2	15	30	923	900	12	0	23	214	0	83·5
2	18	34	534	466	10	33	68	13	34	44·4	29·2	3	19	15·2	17	0	919	900	12	30	19	197	0	83·5
3 Q	20	22	534	463	10	20	71	12	35	43·9	29·8	8	12	14·1	7	30	923	895	13	12	28	242	0	83·6
4	21	41	572	460	9	50	112	12	46	45·7	27·3	7	57	18·4	17	0	924	898	12	40	26	284	1	83·6
5	21	14	546	477	10	20	69	13	26	44·8	28·2	3	7	16·6	18	4	925	895	4	5	30	248	1	83·7
6	21	4	539	477	10	22	62	12	38	44·2	27·3	3	23	16·9	16	35	919	898	12	40	21	196	0	83·6
7 Q	22	20	538	481	11	3	57	12	52	42·3	31·4	6	42	10·9	20	50	919	901	11	30	18	175	0	83·7
8	20	43	542	476	10	42	66	13	3	42·5	30·6	7	56	11·9	17	20	934	902	12	56	32	252	1	83·7
9	0	42	550	474	10	40	76	13	30	45·1	31·1	6	14	14·0	18	30	933	906	1	50	27	241	1	83·7
10	4	0	541	473	11	15	68	12	20	44·2	29·6	4	31	14·6	17	40	938	904	4	15	34	264	1	83·8
11 D	23	28	579	452	10	16	127	13	40	48·1	28·3	9	28	19·8	16	50	973	902	11	8	71	528	1	83·8
12	21	34	544	483	10	35	61	12	58	41·7	30·1	21	29	11·6	17	18	929	906	4	34	23	204	0	83·8
13 Q	20	18	533	479	10	10	54	14	22	42·1	29·9	8	0	12·2	8	20	926	903	11	50	23	192	0	83·8
14	18	44	534	471	10	45	63	14	38	40·5	30·1	8	48	10·4	16	5	930	907	12	0	23	207	0	83·8
15	0	24	541	482	11	21	59	12	38	43·9	30·9	7	50	13·0	18	20	932	908	12	40	24	205	0	83·8
16 Q	19	50	532	473	10	10	59	12	37	43·3	29·9	7	49	13·4	1	20	923	896	12	40	27	218	0	83·9
17	21	59	552	479	10	20	73	13	10	41·5	30·0	7	58	11·5	1	0	919	888	12	12	31	259	0	83·9
18	20	53	553	475	12	6	78	14	24	43·5	28·0	8	11	15·5	17	44	926	900	13	42	26	245	1	83·9
19	21	20	544	479	11	50	65	13	36	40·5	29·1	8	50	11·4	7	20	921	894	13	33	27	228	0	83·9
20	19	15	543	475	11	24	68	15	21	43·2	30·0	8	34	13·2	2	38	918	897	12	40	21	206	0	83·9
21	22	34	550	469	10	30	81	13	18	43·6	27·0	8	0	16·6	21	40	919	894	12	10	25	246	1	83·9
22	22	42	565	472	10	48	93	14	18	43·1	27·2	9	40	15·9	7	3	921	894	12	30	27	274	1	83·9
23 D	3	59	562	456	11	42	106	13	40	48·6	28·1	8	26	20·5	17	20	927	895	5	18	32	317	1	83·9
24	22	22	538	468	11	10	70	13	0	43·2	28·0	9	0	15·2	9	0	930	901	12	3	29	246	0	84·0
25 Q	23	33	538	471	11	33	67	14	17	43·2	28·9	8	51	14·3	8	0	918	899	13	0	19	196	0	84·1
26 D	0	38	570	451	11	32	119	14	8	52·7	21·6	22	42	31·1	17	30	999	893	4	44	106	671	1	84·1
27 D	20	1	536	451	11	3	85	13	51	44·1	28·2	8	38	15·9	7	30	924	905	12	0	19	225	1	84·1
28	23	49	548	460	12	12	88	11	58	44·1	28·3	8	38	15·8	8	30	926	902	13	22	24	253	1	84·0
29 D	22	28	547	475	11	42	72	13	14	47·8	26·5	2	14	21·3	15	22	940	907	2	55	33	267	1	84·1
30	21	32	544	478	10	38	66	12	55	40·2	28·9	8	32	11·3	8	20	924	900	12	50	24	217	0	84·1
Mean	--	--	546	471	--	--	75	--	--	43·8	28·8	--	--	15·0	--	--	929	900	--	--	30	257	0·47	83·8
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

305 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — OCTOBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	525	530	524	532	533	530	524	508	495	476	471	470	483	496	504	514	519	527	523	520	526	528	545	524	514
2 Q	520	523	523	523	523	521	518	510	498	483	475	475	485	500	512	516	511	523	531	532	528	529	527	529	513
3 Q	527	527	527	527	531	529	523	521	511	494	482	474	479	494	506	514	515	523	531	531	531	531	528	525	516
4	521	522	525	527	528	531	527	523	512	496	488	483	487	493	509	523	530	531	535	538	536	542	532	527	519
5	531	533	533	535	536	540	540	535	523	512	498	494	494	494	503	516	517	526	524	502	520	504	499	503	517
6	515	518	519	514	519	540	528	522	511	494	472	466	473	485	495	502	514	519	518	520	516	512	531	514	509
7	516	516	518	521	523	528	527	527	498	475	471	474	472	490	492	504	505	515	523	529	514	519	507	499	507
8	512	525	531	540	519	516	518	511	505	498	482	475	482	489	503	507	515	514	520	536	519	522	523	522	512
9	517	518	522	526	523	523	522	513	484	477	476	473	468	489	499	500	509	515	518	497	506	508	516	515	505
10 D	530	505	517	518	518	515	515	498	464	443	454	454	472	482	489	493	506	510	506	510	509	512	511	511	498
11	514	514	511	513	515	515	515	508	493	475	466	466	476	489	505	511	517	519	526	526	526	522	522	522	507
12	519	519	521	522	522	522	518	510	495	481	478	484	489	493	497	508	515	519	523	525	525	526	526	526	511
13	525	526	525	525	526	526	527	520	506	497	491	490	493	506	514	522	529	524	524	523	526	527	526	526	518
14	526	526	526	527	526	526	524	516	504	494	494	494	497	500	504	508	506	495	511	518	526	523	525	530	514
15	525	523	530	507	521	520	527	524	502	482	484	485	490	499	502	506	515	522	523	525	523	506	518	511	511
16 D	518	522	523	523	522	526	526	510	502	491	489	488	486	498	509	518	522	515	506	489	480	478	456	473	503
17 D	446	437	456	526	483	473	490	482	474	473	464	457	477	486	484	497	502	505	509	519	518	513	513	514	487
18	511	514	514	515	513	520	515	499	488	481	473	481	486	493	500	506	506	510	513	514	515	514	515	517	505
19	516	516	518	520	521	516	514	511	501	486	480	473	484	492	493	512	521	517	520	523	509	512	517	514	508
20	517	529	498	500	507	513	510	508	500	488	480	477	488	505	508	509	511	505	498	501	512	513	514	513	504
21	518	512	514	516	516	514	512	509	501	492	488	490	494	501	505	504	509	514	518	521	521	521	522	522	510
22 Q	521	519	518	521	522	522	523	521	510	500	495	496	500	500	505	512	517	521	525	525	525	525	526	525	516
23	525	523	522	525	526	525	525	521	511	505	502	497	508	517	522	523	523	527	529	501	510	521	488	501	516
24 D	518	513	511	521	522	528	526	525	516	506	482	483	488	480	496	520	526	513	474	496	504	502	524	512	508
25	504	507	508	510	512	517	514	509	506	496	488	487	489	496	504	496	509	514	516	518	517	516	516	513	507
26	510	509	512	512	516	517	515	512	502	493	492	492	486	495	501	509	515	517	521	520	522	520	520	520	509
27 Q	517	517	517	520	520	521	521	520	514	504	499	496	499	504	511	514	516	519	522	524	524	523	524	521	515
28 Q	520	520	520	520	521	524	526	520	513	499	495	498	500	508	513	512	518	522	523	524	526	528	525	526	517
29	523	523	523	523	525	527	528	522	503	494	496	500	502	506	516	511	519	524	527	529	528	522	516	519	517
30	521	523	520	520	528	523	523	517	503	500	502	507	514	519	519	519	521	523	522	523	525	524	524	522	518
31 D	519	536	541	529	534	540	541	532	504	454	455	457	474	483	467	457	469	487	498	500	498	498	497	496	499
Mean	517	518	518	521	521	522	521	515	502	488	483	482	488	496	503	508	514	517	518	518	518	517	517	516	510

10/5/0/2/3/1936/101/01/BB/B13

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

306 ESKDALEMUIR (D) — 13° + — OCTOBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	31·9	27·9	28·4	27·1	28·4	31·2	31·0	30·9	32·6	33·6	34·4	37·3	38·6	39·9	40·1	38·7	38·3	37·4	35·7	35·5	35·5	34·6	34·9	33·6	34·1
2 Q	33·0	34·4	33·9	33·9	33·7	33·1	32·1	30·5	29·1	29·1	31·8	36·4	39·4	41·2	41·3	39·3	37·4	36·2	36·4	35·7	35·7	35·6	34·2	34·0	34·9
3 Q	33·9	34·4	34·1	34·5	34·5	33·7	32·8	31·4	30·8	31·0	34·5	38·3	41·6	45·0	45·0	42·3	39·0	36·6	36·4	35·5	35·4	34·7	34·6	33·7	36·0
4	32·2	33·3	34·0	34·5	34·4	33·8	33·0	31·7	29·7	29·0	31·3	35·6	40·1	41·2	41·5	40·3	38·5	37·3	36·7	36·4	35·7	34·0	34·2	34·2	35·1
5	34·5	34·5	35·0	34·0	32·8	32·7	32·2	30·6	28·9	29·0	31·8	37·3	41·5	41·3	41·1	38·5	36·2	36·4	39·1	33·5	32·6	27·3	28·0	27·9	34·0
6	29·6	32·0	29·3	28·7	33·4	36·7	33·6	30·9	29·2	29·8	34·6	37·3	39·0	40·5	41·3	40·2	37·5	36·5	36·3	34·4	33·2	32·0	29·9	27·1	33·9
7	29·2	31·8	32·9	32·7	33·5	33·0	33·5	31·0	30·5	32·6	33·1	36·6	38·5	40·1	40·6	37·6	36·7	36·5	35·8	35·4	29·6	30·2	28·3	24·4	33·5
8	31·7	33·5	32·0	30·9	31·6	36·5	34·9	33·7	31·6	30·8	31·0	34·6	38·5	39·6	41·1	38·2	38·3	36·6	35·4	28·6	34·2	35·3	34·6	34·6	34·5
9	34·5	34·4	34·6	36·2	33·5	32·6	32·5	30·8	32·7	32·2	35·4	41·5	43·9	44·3	43·5	41·2	37·5	34·8	29·9	25·8	30·7	30·5	33·5	33·6	35·0
10 D	31·7	23·7	31·3	26·2	36·4	38·2	39·1	42·1	31·2	35·7	38·9	42·1	43·8	46·3	45·1	40·9	36·0	34·5	33·9	34·4	34·2	34·5	34·4	34·5	35·8
11	34·9	34·5	34·4	34·6	33·7	33·6	32·6	30·0	28·4	28·8	31·8	35·4	38·5	39·4	39·5	37·5	35·9	35·7	36·3	35·6	34·9	34·5	34·4	34·2	34·5
12	34·0	33·9	33·9	33·7	33·6	33·3	32·6	30·2	29·0	30·0	34·2	37·3	38·5	38·4	38·1	37·1	35·6	35·6	35·5	34·7	34·6	34·5	34·5	34·4	34·5
13	34·4	34·3	34·1	33·8	33·6	32·8	32·6	31·2	29·7	31·0	34·4	38·4	39·8	40·2	38·4	37·3	36·6	36·8	36·5	35·5	34·6	34·5	34·5	34·5	35·0
14	34·5	34·5	34·5	34·4	34·2	33·6	33·1	31·7	30·7	31·1	34·5	39·1	42·3	43·1	43·6	41·6	43·0	40·0	37·1	34·8	34·2	34·0	33·2	33·7	36·1
15	33·6	33·5	32·0	24·4	28·9	29·9	29·9	29·7	30·2	31·8	33·9	37·7	39·3	40·2	39·3	37·3	35·5	35·5	35·7	34·6	34·1	29·0	28·8	27·1	33·0
16 D	32·9	34·0	33·1	33·8	33·8	34·6	33·7	32·6	32·7	33·7	35·4	38·4	39·3	40·8	39·7	40·5	41·8	35·1	41·2	31·9	25·6	25·5	22·4	15·3	33·7
17 D	16·8	19·7	28·9	24·6	35·5	42·3	35·5	40·4	34·6	34·4	38·5	42·1	39·6	42·1	40·2	35·7	34·1	34·5	34·2	34·5	33·9	33·7	32·9	33·1	34·7
18	32·9	33·4	33·5	33·6	33·4	32·7	32·6	30·8	29·5	30·4	34·0	38·3	39·5	40·0	38·3	36·7	35·2	34·6	34·4	33·8	33·6	33·5	33·5	33·6	34·2
19	34·1	34·3	34·0	33·6	32·9	32·6	32·0	30·9	30·0	31·0	34·7	38·7	40·3	41·0	39·1	37·6	36·5	35·4	34·5	34·7	32·6	30·9	31·7	32·5	34·4
20	32·6	27·7	24·6	27·8	31·7	31·7	32·2	31·3	30·2	31·4	33·8	37·0	39·7	41·4	40·5	35·1	34·8	40·1	39·2	36·5	35·2	33·9	33·1	32·6	33·9
21	31·3	31·5	33·7	33·8	32·9	32·9	32·5	33·5	32·4	33·4	35·4	38·7	39·8	40·1	40·2	38·4	37·2	35·7	35·3	34·5	34·0	33·6	33·5	33·6	34·9
22 Q	33·6	33·4	33·6	33·6	33·5	33·3	32·8	32·4	30·8	30·7	33·2	36·2	38·2	38·3	37·2	36·4	36·3	35·5	35·4	34·6	34·4	34·1	33·6	33·7	34·4
23	33·5	33·1	33·2	33·1	33·1	32·7	32·6	31·8	30·7	30·9	34·1	37·2	39·0	38·3	38·1	37·3	37·2	37·3	38·7	33·9	33·5	28·2	22·2	27·3	33·6
24 D	30·8	29·6	31·8	32·6	32·5	30·8	30·8	30·6	30·7	31·7	34·7	41·5	42·9	41·9	38·3	42·6	41·5	43·3	42·2	34·6	32·7	33·0	27·8	30·6	35·0
25	31·8	33·1	33·7	33·6	33·5	33·0	32·6	31·7	31·0	32·1	33·7	36·7	36·7	37·7	36·9	35·0	34·9	34·8	34·7	34·7	34·5	34·5	33·7	33·8	34·1
26	33·0	32·8	33·0	32·6	33·5	33·1	32·8	32·2	32·3	34·4	38·1	40·4	39·7	39·2	38·4	36·5	35·7	34·5	34·5	34·2	34·0	33·7	33·7	33·7	34·8
27 Q	33·6	33·4	33·5	33·0	32·8	33·0	32·5	32·1	31·2	31·1	34·4	36·3	37·1	37·5	36·3	34·9	34·5	34·5	34·2	34·4	33·9	34·0	34·0	33·7	34·0
28 Q	33·9	34·0	33·9	33·0	32·9	32·4	31·8	31·5	30·8	31·2	34·2	38·2	38·4	38·7	37·8	36·3	35·8	35·5	35·1	34·5	34·1	34·0	33·7	33·6	34·4
29	33·6	33·2	33·4	33·0	32·8	32·0	32·0	31·4	30·3	31·2	33·5	38·6	39·0	38·4	38·6	36·6	34·8	35·5	34·7	34·4	34·2	33·8	32·1	32·6	34·2
30	33·7	33·5	32·9	33·8	31·8	31·6	31·7	31·5	30·1	31·8	34·4	37·4	38·5	37·7	36·1	35·3	35·4	35·8	35·8	35·1	34·3	34·0	33·6	32·9	34·1
31 D	33·5	36·1	35·5	31·1	32·4	30·9	32·0	32·8	33·0	33·7	42·4	40·1	42·7	45·0	44·3	40·3	36·3	34·2	33·7	33·6	32·9	32·7	32·7	32·8	35·6
Mean	32·4	32·4	32·5	32·1	33·1	33·4	33·1	32·1	30·8	31·6	34·5	38·1	39·8	40·6	40·0	38·2	36·8	36·2	36·0	34·2	33·6	32·8	32·1	31·8	34·5

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

2/0/2/6/1936/10 3/0-/BB/440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

307 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — OCTOBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	900	900	895	896	896	899	905	912	917	917	914	913	911	913	916	914	913	916	919	923	919	919	908	910	910
2 Q	913	916	917	917	917	917	921	924	926	924	918	911	909	910	911	917	923	923	918	917	917	917	918	918	917
3 Q	918	918	918	917	917	917	919	922	919	917	914	910	906	905	907	917	923	923	919	917	917	917	917	918	916
4	919	919	917	917	917	917	920	922	918	916	910	906	902	905	904	906	912	915	916	916	916	914	915	917	914
5	916	916	915	913	911	911	911	917	917	911	906	900	901	904	906	913	923	928	934	957	947	941	929	917	919
6	905	893	892	900	902	895	899	910	913	915	910	916	915	912	916	933	933	930	929	928	928	928	898	905	913
7	905	910	915	916	917	917	921	923	924	920	917	916	916	912	921	935	935	928	928	923	930	910	911	910	919
8	906	898	882	869	881	892	901	915	922	923	922	920	918	920	928	942	940	932	928	926	922	919	919	918	914
9	918	918	917	912	910	916	918	923	926	927	915	913	918	926	934	952	958	947	946	940	933	932	922	922	927
10 D	909	893	869	852	847	854	876	893	914	920	920	932	933	936	945	958	960	950	945	940	935	933	932	930	916
11	927	925	926	927	927	927	929	934	938	938	933	924	921	921	921	925	925	921	921	921	922	922	922	923	926
12	923	922	922	922	921	921	927	927	927	922	917	914	917	921	921	922	921	921	921	921	921	921	921	921	921
13	921	921	921	921	921	921	921	926	927	921	912	911	912	915	918	920	921	920	919	920	921	920	921	920	920
14	921	921	920	920	921	921	921	927	927	922	912	910	915	922	931	939	946	950	945	938	929	927	925	922	926
15	921	921	908	898	903	909	915	919	918	917	914	908	909	913	920	927	927	923	923	924	925	932	917	914	917
16 D	920	921	921	921	921	918	917	924	922	921	920	920	922	922	926	934	956	997	1033	1005	987	946	882	874	935
17 D	846	806	787	814	831	862	874	902	915	921	928	934	933	941	941	941	938	933	932	927	927	928	928	928	901
18	928	928	928	928	928	927	927	932	932	928	927	923	925	929	932	934	933	929	928	928	927	927	927	927	928
19	927	927	927	927	927	927	927	929	928	926	922	927	931	932	931	930	932	929	927	927	934	934	929	929	929
20	927	900	897	905	913	918	925	929	932	928	927	927	927	928	935	946	949	946	953	956	945	939	933	932	930
21	928	928	927	927	927	927	927	927	927	927	922	920	926	928	932	934	932	930	929	928	927	927	927	925	927
22 Q	925	925	925	925	925	926	926	927	928	926	918	912	911	917	922	927	923	925	923	925	925	924	923	922	923
23	921	921	921	919	918	921	922	925	927	919	910	910	914	917	921	922	924	923	927	945	941	938	927	922	923
24 D	919	917	917	915	918	921	921	921	921	918	914	913	914	923	928	940	965	1026	1035	999	970	955	939	918	939
25	920	925	926	926	926	926	927	927	926	926	924	923	926	921	927	931	930	927	927	928	927	927	927	927	926
26	927	927	926	926	926	926	926	927	928	926	921	921	926	927	931	931	927	926	926	926	926	926	926	926	926
27 Q	924	923	921	921	921	921	921	924	926	922	918	915	920	921	924	925	924	922	922	923	924	924	923	924	922
28 Q	924	923	921	921	920	920	920	925	926	926	920	923	925	926	926	927	925	921	923	923	923	922	922	922	923
29	922	921	920	920	920	920	920	921	924	920	913	908	914	914	919	926	921	920	920	920	920	923	926	925	920
30	923	921	920	919	914	916	918	920	923	913	908	908	914	916	920	921	921	921	920	920	920	921	920	921	918
31 D	921	917	903	908	912	912	912	913	911	914	912	926	937	969	973	977	968	954	943	937	937	937	931	932	931
Mean	917	914	910	910	911	914	917	922	924	922	917	917	918	921	925	931	933	934	935	933	930	927	921	920	922

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

308 ESKDALEMUIR — OCTOBER, 1936

Day	Horizontal Force: Maximum 16,000 γ+ h	m	γ	Horizontal Force: Minimum 16,000 γ+ γ	h	m	Horizontal Force: Range γ	Declination: Maximum 13° + ′	h	m	Declination: Minimum 13° + ′	h	m	Declination: Range ′	Vertical Force: Maximum 44,000 γ+ h	m	γ	Vertical Force: Minimum 44,000 γ+ γ	h	m	Vertical Force: Range γ	$HR_H + VR_V$ / 10,000γ² §	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 + °A
1	22	7	561	462	11	15	99	14	30	41·1	26·3	3	48	14·8	19	20	924	894	3	10	30	297	1	84·1
2 Q	19	24	535	470	11	5	65	14	6	42·1	27·9	9	22	14·2	8	43	926	908	12	30	18	188	0	84·1
3 Q	19	33	533	470	11	33	63	13	32	45·8	30·1	8	12	15·7	17	10	924	904	13	18	20	194	0	84·0
4	21	40	552	479	11	50	73	14	12	42·0	28·9	9	29	13·1	7	15	923	901	12	30	22	219	0	83·9
5	5	42	543	474	13	0	69	12	37	43·2	23·9	21	46	19·3	19	40	959	900	11	33	59	378	1	83·9
6	22	17	594	461	11	30	133	13	38	42·0	25·3	23	10	16·7	15	58	938	886	22	33	52	452	1	83·9
7	21	3	559	462	12	15	97	14	6	42·2	23·2	20	47	19·0	16	6	940	904	0	30	36	321	1	83·9
8	19	19	572	471	12	5	101	14	9	41·4	22·0	23	30	19·4	15	55	945	864	3	45	81	530	1	83·9
9	18	55	561	456	12	11	105	12	40	45·8	19·5	18	55	26·3	16	4	962	910	4	8	52	406	1	83·9
10 D	5	5	577	420	9	11	157	13	36	47·1	16·9	3	4	30·2	16	10	965	844	4	22	121	801	1	83·9
11	18	21	530	460	11	9	70	13	40	42·0	27·8	8	55	14·2	8	38	938	919	13	40	19	201	0	83·8
12	22	38	528	473	11	2	55	11	48	39·2	28·8	8	28	10·4	7	30	928	912	11	9	16	163	0	83·8
13	16	50	534	482	10	56	52	13	37	41·0	29·1	8	37	11·9	8	15	927	909	10	50	18	167	0	83·8
14	23	46	534	482	13	39	52	12	50	44·9	29·7	8	52	15·2	17	30	951	908	11	9	43	279	1	83·8
15	2	28	546	479	9	9	67	13	42	41·2	23·2	7	15	18·0	21	22	933	897	3	10	36	272	1	83·8
16 D	19	22	609	396	22	35	213	18	24	51·7	6·5	23	3	45·2	18	49	1086	835	22	37	251	1475	2	83·7
17 D	3	51	571	392	1	4	179	5	0	53·8	10·2	1	48	43·6	13	43	945	779	1	52	166	1039	2	83·7
18	5	15	530	461	11	8	69	12	59	41·2	26·1	8	6	15·1	15	30	935	921	9	49	14	177	1	83·7
19	19	38	531	469	11	41	62	13	45	42·0	29·9	8	31	12·1	21	8	935	921	11	0	14	165	1	83·7
20	1	36	541	472	10	32	69	13	27	43·0	21·3	2	0	21·7	18	50	957	890	1	53	67	414	1	83·6
21	0	32	525	484	10	30	41	14	5	41·0	29·7	1	0	11·3	15	40	935	919	11	20	16	140	0	83·6
22 Q	21	18	529	493	11	10	36	12	29	39·1	29·9	9	15	9·2	8	37	931	909	12	0	22	158	0	83·6
23	18	13	536	476	22	16	60	12	20	40·3	19·4	22	19	20·9	19	28	949	909	10	30	40	278	1	88·5
24 D	23	4	546	432	18	10	114	17	42	49·7	24·1	22	50	25·6	17	50	1069	909	12	10	160	905	2	83·5
25	5	53	521	480	11	52	41	13	39	38·5	29·1	8	38	9·4	15	16	932	916	0	1	16	140	1	83·5
26	18	1	524	479	12	43	45	11	22	41·3	30·9	8	0	10·4	14	30	932	920	10	23	12	128	0	83·5
27 Q	22	53	528	495	11	49	33	13	20	38·2	30·9	8	53	7·3	0	1	927	914	11	30	13	112	0	83·4
28 Q	21	26	529	491	10	33	38	13	17	39·8	29·9	7	42	9·9	15	30	929	918	10	20	11	112	0	83·4
29	19	43	536	492	9	37	44	11	56	40·5	29·7	8	22	10·8	15	50	927	907	11	30	20	163	0	83·4
30	4	16	531	498	10	10	33	11	50	38·9	29·8	9	6	9·1	8	30	926	908	11	0	18	135	0	83·3
31 D	6	40	552	430	9	43	122	13	11	48·7	29·4	3	11	19·3	15	20	978	901	2	23	77	546	1	83·3
Mean	--	--	545	466	--	--	79	--	--	42·9	25·4	--	--	17·4	--	--	948	898	--	--	50	353	0·68	83·7
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

309 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — NOVEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	497	497	499	501	502	503	499	495	490	482	476	478	478	479	481	490	492	498	508	510	507	508	508	507	495
2	511	511	511	513	514	515	512	508	496	488	482	482	488	495	514	520	524	527	531	521	510	511	508	512	509
3 D	512	511	516	509	518	538	518	516	499	487	465	468	471	481	494	503	503	496	486	473	493	490	490	476	496
4	488	485	462	477	485	497	514	501	498	481	473	461	457	462	480	486	493	511	514	514	514	513	510	506	491
5	513	482	505	502	505	511	515	515	509	489	484	478	472	482	489	498	507	510	514	515	515	501	509	512	501
6	512	509	510	512	517	524	523	520	510	497	482	490	484	485	490	499	507	510	508	514	512	512	515	510	506
7	507	507	509	512	518	519	516	516	507	496	477	474	481	489	498	506	503	508	508	503	507	494	501	503	502
8	514	506	507	511	515	513	519	517	508	498	492	487	490	494	505	503	496	506	505	504	511	514	514	501	505
9	514	496	502	500	490	500	508	495	497	490	482	478	479	486	494	505	507	514	520	519	520	519	518	519	502
10	519	516	523	527	531	530	531	527	514	508	502	496	501	508	512	517	523	539	527	520	516	507	506	506	517
11 D	506	509	512	512	523	525	515	530	521	503	497	485	481	475	481	407	507	498	482	471	491	488	488	490	499
12	486	487	490	510	503	494	499	497	489	482	478	479	484	492	492	501	504	514	511	510	516	519	519	516	499
13 Q	515	514	511	512	515	519	519	513	507	499	492	494	499	503	508	510	514	516	519	520	521	521	521	519	512
14	523	506	509	511	518	523	524	520	512	499	494	494	492	497	503	505	508	509	518	523	525	525	523	519	512
15 D	516	523	514	515	525	536	535	511	516	502	498	492	491	491	490	493	498	511	513	514	509	512	516	499	509
16 D	500	508	511	512	508	516	520	522	508	494	487	488	481	479	504	512	508	515	509	520	511	514	515	513	506
17	510	508	507	513	516	517	514	509	504	500	502	504	501	505	512	512	515	520	517	516	520	548	517	504	512
18	515	513	503	504	516	521	523	505	500	506	498	485	495	496	491	501	505	516	511	518	532	528	512	510	509
19	501	505	511	509	511	520	517	513	503	499	495	487	480	496	507	510	513	513	529	520	524	536	524	518	510
20	524	512	517	520	515	521	529	522	503	487	480	478	474	479	484	494	498	507	509	514	516	512	515	517	505
21	522	518	515	515	517	520	520	517	510	503	499	501	498	498	511	517	521	522	523	521	520	520	524	536	515
22 Q	523	522	523	517	520	520	520	523	520	517	508	508	507	511	509	511	512	519	520	521	520	521	523	523	517
23 Q	523	524	524	527	524	524	525	524	518	511	508	504	509	513	516	517	522	523	524	524	525	528	525	524	520
24 Q	524	524	524	524	528	528	528	528	524	519	515	510	512	513	519	524	524	528	530	531	530	529	528	525	524
25 Q	525	524	522	524	528	529	528	525	515	509	507	508	512	513	516	519	526	529	531	532	531	530	529	527	522
26	522	521	523	524	527	524	524	520	520	513	511	516	520	524	526	535	532	533	529	520	520	522	524	522	523
27	516	517	520	519	521	523	523	520	514	506	503	506	509	511	515	519	523	524	527	527	528	528	524	524	519
28	523	523	525	527	529	527	527	524	521	515	511	508	512	516	528	533	538	535	533	532	532	528	523	548	526
29 D	539	494	490	500	479	502	470	451	442	454	473	479	480	491	487	486	488	491	490	487	474	485	486	488	484
30	489	486	486	491	494	496	496	497	492	487	482	475	479	490	495	496	494	506	511	511	508	508	506	507	495
Mean	513	509	509	512	514	518	517	513	505	497	492	490	491	495	502	507	510	515	515	514	515	516	514	513	508

10/5/0/2/R/1936/111/01/BB/B13

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

310 ESKDALEMUIR (D) — 13° + — NOVEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	33·0	33·3	33·6	33·6	33·2	32·6	31·7	31·0	30·5	30·8	32·9	35·0	35·1	36·4	35·7	35·4	34·6	35·0	34·4	33·9	33·5	32·9	33·3	32·9	33·5
2	33·6	33·7	33·6	33·6	33·3	32·9	32·1	31·6	30·5	30·6	33·2	35·4	36·3	36·7	36·9	35·8	35·7	35·7	35·0	34·9	34·0	30·8	27·9	29·1	33·5
3 D	31·1	31·8	31·9	30·3	37·8	32·6	32·0	35·5	32·9	30·7	32·9	37·8	40·4	43·4	44·3	44·6	44·2	44·2	38·5	35·5	30·4	27·7	28·6	23·0	35·1
4	29·0	30·2	28·0	20·5	27·6	31·1	31·1	30·7	29·9	30·2	32·4	34·1	35·5	37·0	38·4	37·5	35·7	34·4	34·5	33·7	33·3	32·8	32·8	32·4	32·2
55	29·5	25·0	32·6	31·8	31·6	31·5	31·7	32·0	30·8	31·1	31·7	35·7	37·3	38·2	37·6	37·1	35·6	34·7	34·5	34·2	33·7	29·8	31·1	32·7	33·0
6	32·8	32·2	33·8	33·7	32·9	32·2	32·1	31·4	30·2	30·0	31·9	34·5	36·7	37·7	37·4	36·8	35·7	35·7	34·8	34·3	33·6	32·0	26·1	24·2	33·0
7	29·8	31·7	33·0	32·9	32·2	32·1	31·8	31·9	29·7	29·9	31·6	34·7	37·6	40·2	42·1	41·0	38·7	38·5	37·6	33·4	33·0	28·2	26·2	29·3	33·6
8	31·6	31·9	33·6	32·6	32·6	32·7	33·6	31·8	30·9	30·8	31·8	35·5	36·6	37·3	36·8	36·4	34·2	34·2	36·1	34·5	33·0	31·8	22·4	27·2	32·9
9	27·0	25·2	33·7	28·9	32·0	31·9	30·8	30·9	29·6	30·4	32·4	34·8	36·9	36·7	36·3	36·5	35·5	34·9	34·7	34·0	33·6	33·3	32·9	32·9	32·7
10	32·8	32·6	32·1	32·4	32·2	31·8	31·8	31·8	31·4	31·6	33·5	35·4	36·9	37·6	37·9	36·8	36·0	37·7	38·8	35·1	35·1	33·0	30·7	31·9	34·2
11 D	32·8	32·2	32·6	33·0	29·7	29·8	32·8	33·0	32·9	32·0	34·9	36·1	37·4	38·2	38·8	38·6	40·4	30·4	31·7	34·6	27·9	25·0	26·0	26·9	32·8
12	27·1	28·9	29·3	32·6	29·1	32·2	31·6	30·9	30·8	31·6	33·6	35·6	37·3	37·5	37·5	36·5	36·5	36·3	35·6	32·7	32·7	33·6	33·3	33·2	33·2
13 Q	32·8	32·7	32·7	32·7	32·6	32·1	31·8	31·7	31·5	31·1	33·6	35·7	36·7	36·5	36·3	35·5	34·7	34·9	34·4	34·0	33·7	33·5	33·5	33·1	33·7
14	31·8	30·1	30·8	31·6	32·0	31·8	31·7	31·6	31·4	31·4	33·1	36·5	36·8	37·3	36·9	36·4	35·7	34·6	34·9	34·5	33·7	32·7	32·6	32·2	33·4
15 D	31·8	29·2	30·7	32·0	32·6	32·3	32·0	33·6	33·8	31·7	34·5	36·1	39·2	42·2	43·1	44·6	41·0	36·1	34·5	33·9	30·9	20·7	25·4	28·0	33·7
16 D	31·0	33·6	33·3	32·8	34·0	34·8	34·4	33·0	31·2	31·6	32·6	36·3	38·2	41·2	38·2	39·9	33·6	35·2	33·9	28·2	30·7	29·3	32·4	31·8	33·8
17	32·7	32·4	32·6	32·9	32·6	31·9	31·6	31·6	31·0	31·4	33·6	34·9	36·0	37·3	36·9	36·3	37·2	34·2	34·8	34·0	29·9	26·0	27·1	28·1	32·8
18	30·8	29·1	30·7	34·0	32·2	31·8	32·6	34·5	39·5	34·5	36·9	37·5	39·9	37·9	36·2	35·9	30·5	33·5	33·9	33·1	31·0	29·0	30·7	28·7	33·5
19	30·0	30·9	31·5	31·7	32·0	31·0	31·0	31·0	30·7	30·5	32·9	35·6	36·3	38·8	37·9	38·3	38·2	34·9	31·4	33·8	28·7	30·1	31·8	30·9	32·9
20	31·8	32·4	34·2	33·6	32·6	32·0	32·1	32·5	32·2	32·8	36·1	38·2	38·5	40·3	40·1	39·1	36·8	34·8	32·8	32·0	31·4	30·9	29·9	31·2	34·1
21	33·7	31·9	32·7	32·6	32·7	32·3	32·2	32·0	31·6	31·8	33·3	35·7	37·3	36·2	36·3	35·7	34·9	34·4	34·0	32·7	32·7	32·1	31·8	32·1	33·4
22 Q	31·1	31·8	32·1	32·0	32·4	31·6	31·7	31·9	32·1	33·7	33·7	34·9	35·6	35·6	36·3	35·4	35·0	34·4	33·8	33·5	33·0	32·7	32·1	31·9	33·2
23 Q	32·7	32·9	32·6	32·9	32·2	32·4	32·1	31·9	31·1	31·5	32·6	34·4	35·3	35·5	34·9	34·4	33·7	33·5	32·7	32·2	32·6	32·6	32·8	32·8	33·0
24 Q	32·9	32·8	32·8	32·9	32·9	32·8	32·4	31·9	31·7	31·6	33·6	35·5	37·1	36·7	36·7	36·7	35·4	35·1	34·1	33·5	32·9	32·6	32·2	32·6	33·7
25 Q	32·0	31·9	31·9	32·4	32·6	32·8	32·0	31·8	31·6	32·4	33·6	35·5	36·7	36·6	36·1	35·8	35·0	34·2	33·8	33·6	33·0	32·7	32·6	32·4	33·5
26	32·0	31·4	31·9	32·6	32·6	31·5	32·3	31·8	31·8	32·5	34·8	36·6	37·7	37·6	37·1	37·3	37·6	36·6	40·4	37·4	35·7	34·0	32·7	31·9	34·5
27	31·8	31·0	30·6	32·7	32·6	32·0	31·9	31·7	31·1	31·7	33·6	35·7	36·5	36·7	36·1	35·4	34·6	33·9	33·6	33·0	32·8	32·7	32·6	32·8	33·2
28	32·7	32·9	33·0	33·5	33·2	32·6	32·1	31·7	31·0	31·7	32·7	34·5	36·5	37·2	37·3	36·9	35·8	34·7	34·4	34·1	33·9	33·8	32·7	32·1	33·8
29 D	19·7	21·5	26·2	29·7	38·8	45·2	42·9	34·2	37·4	39·5	35·7	37·3	38·3	38·8	36·9	34·6	33·7	33·6	33·0	32·6	29·1	31·7	30·8	31·8	33·9
30	31·7	31·6	31·7	31·8	31·7	31·4	31·0	30·8	30·0	29·7	32·0	31·9	33·9	34·7	34·6	34·5	32·4	32·8	33·9	33·2	32·3	31·9	31·6	30·3	32·1
Mean	31·1	31·0	32·0	32·0	32·5	32·5	32·4	32·1	31·7	31·6	33·4	35·6	36·7	37·8	37·6	37·2	35·9	35·1	34·7	33·8	32·6	31·0	30·6	30·7	33·4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

0/0/5/2/6/1936/113/0-/BB/440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

311 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — NOVEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	931	931	930	931	931	931	931	931	931	930	930	930	931	932	933	936	936	936	933	932	931	931	929	929	931
2	927	926	927	926	926	926	926	926	930	930	924	924	925	926	926	924	921	922	923	925	929	927	924	920	925
3 D	920	919	915	913	905	896	906	908	913	918	919	918	923	930	937	948	954	967	984	989	926	953	947	945	931
4	936	929	898	889	901	899	896	912	922	926	927	929	928	927	933	937	937	936	931	930	930	930	927	926	922
5	914	907	897	901	914	919	921	924	926	929	924	923	924	925	928	929	930	929	926	925	926	931	929	924	922
6	924	924	924	921	923	924	924	925	928	928	924	919	923	924	925	925	928	931	932	930	930	930	924	916	925
7	914	917	919	922	924	924	924	920	924	924	918	917	918	922	928	936	936	936	942	951	939	932	929	924	927
8	916	915	918	924	924	924	921	919	923	924	918	917	918	918	924	931	943	942	942	941	936	934	920	916	925
9	897	885	861	871	902	917	922	930	932	934	924	923	924	925	926	928	930	929	924	925	925	925	924	924	917
10	923	923	921	916	914	917	918	918	923	923	920	917	917	917	920	920	920	918	924	936	947	946	937	934	924
11 D	932	927	925	923	919	917	914	907	909	913	910	914	924	934	951	959	960	984	964	971	971	920	917	923	933
12	923	923	923	907	904	918	924	929	931	931	931	930	933	934	934	934	933	930	934	935	934	930	928	927	927
13 Q	927	925	927	927	927	926	926	927	928	928	923	924	927	925	928	928	927	923	923	923	925	925	924	924	926
14	918	923	921	923	923	922	922	924	926	928	924	924	928	929	929	928	929	934	929	928	927	925	925	925	926
15 D	926	922	922	922	922	918	917	922	920	919	916	918	922	927	943	944	941	939	934	933	936	939	922	919	927
16 D	922	922	922	922	922	917	915	916	912	910	914	916	921	927	930	933	942	937	934	933	928	926	914	916	923
17	919	923	923	923	922	922	922	920	917	916	916	916	919	922	926	927	928	929	927	927	928	917	912	915	921
18	914	913	918	913	915	918	917	918	916	914	914	919	921	927	941	946	947	939	935	933	929	917	919	922	924
19	922	922	921	923	923	922	922	923	927	927	926	924	927	928	928	933	934	939	934	933	934	923	922	922	927
20	919	922	922	922	916	916	916	916	920	923	922	924	931	934	939	944	945	945	944	940	937	932	927	924	928
21	918	919	920	923	924	925	925	925	928	928	927	925	927	928	930	931	930	928	927	928	928	926	920	820	926
22 Q	916	919	920	921	922	923	923	924	926	926	922	922	922	922	926	929	928	928	927	927	926	924	927	923	924
23 Q	922	922	921	919	922	922	922	922	925	924	922	922	919	922	922	924	927	927	927	927	927	925	923	922	923
24 Q	922	922	922	922	922	922	922	922	922	919	916	916	916	918	920	923	924	923	922	922	922	922	922	922	921
25 Q	922	922	921	921	920	920	922	922	919	917	916	916	919	922	923	926	926	924	922	922	922	922	922	922	921
26	922	922	922	921	919	922	922	921	921	919	920	919	918	920	922	921	922	923	929	947	946	940	933	928	925
27	927	922	921	921	922	922	922	922	923	922	922	918	917	920	922	922	922	922	922	922	922	922	922	922	922
28	922	922	922	920	918	918	917	918	919	918	916	916	916	919	919	919	916	916	916	918	919	919	922	914	918
29 D	881	825	848	841	795	794	839	880	898	905	923	929	929	934	934	943	939	939	936	937	947	946	941	940	901
30	937	936	937	936	935	934	933	933	933	934	933	933	933	934	934	939	940	939	933	933	933	933	934	933	935
Mean	920	918	916	915	915	916	918	920	923	923	921	921	923	926	929	932	933	934	933	934	932	929	926	924	924

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

312 ESKDALEMUIR — NOVEMBER, 1936

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ+			Horizontal Force: Minimum 16,000 γ+			Horizontal Force: Range	Declination: Maximum 13° +			Declination: Minimum 13° +			Declination: Range	Vertical Force: Maximum 44,000 γ+			Vertical Force: Minimum 44,000 γ+			Vertical Force: Range	$HR_H + VR_V$ § 10,000γ²	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	19	17	515	470	12	20	45	13	20	37·5	29·8	8	30	7·7	16	30	937	927	24	0	10	119	0	83·3
2	14	26	543	481	11	14	62	14	26	41·3	26·9	22	20	14·4	8	54	932	920	16	8	12	157	1	83·3
3 D	20	9	585	364	20	38	221	20	37	51·7	9·4	20	9	42·3	18	13	996	854	20	37	142	1001	2	83·3
4	8	2	522	453	2	27	69	14	30	39·3	17·8	3	20	21·5	0	1	942	882	3	2	60	383	1	83·3
5	7	2	522	456	1	38	66	12	3	40·2	22·6	1	42	17·6	21	50	935	887	2	43	48	324	1	83·3
6	22	21	535	477	12	32	58	12	57	39·1	22·2	22	44	16·9	18	12	935	914	23	52	21	190	1	83·3
7	20	12	539	470	12	6	69	14	44	43·0	20·4	21	50	22·6	19	35	953	914	0	15	39	289	1	83·3
8	22	14	530	475	16	11	55	18	27	37·6	19·5	22	30	18·1	16	23	944	911	1	0	33	239	1	83·2
9	3	24	522	475	3	47	47	2	40	38·4	23·2	1	7	15·2	9	10	934	857	2	47	77	423	1	83·2
10	17	2	558	490	11	28	68	19	27	41·8	28·0	22	0	13·8	20	31	948	913	4	20	35	269	1	83·2
11 D	21	22	563	405	21	37	158	16	37	45·2	12·0	21	47	33·2	17	21	1005	898	21	32	107	740	1	83·2
12	3	59	535	473	10	40	62	13	56	39·3	25·2	0	5	14·1	19	11	936	896	4	16	40	281	1	83·2
13 Q	22	59	523	490	10	23	33	12	44	36·8	30·8	8	45	6·0	14	40	930	923	10	50	7	85	0	83·1
14	0	12	540	490	12	4	50	13	40	38·3	29·4	0	54	8·9	17	20	934	916	0	20	18	164	0	83·1
15 D	5	41	539	475	12	19	64	15	50	46·9	17·0	21	26	29·9	15	6	948	915	11	0	33	254	1	83·0
16 D	6	32	532	464	12	28	68	13	31	43·7	25·8	19	36	17·9	16	42	944	909	9	38	35	269	1	82·9
17	21	44	557	495	13	58	62	13	34	38·8	23·3	21	42	15·5	17	23	933	910	22	0	23	205	1	83·0
18	20	58	570	491	3	9	79	12	41	40·5	25·0	21	38	15·5	16	36	949	909	3	38	40	309	1	83·0
19	18	33	549	464	12	20	85	13	47	40·1	22·0	20	39	18·1	17	33	940	920	2	27	20	230	1	82·9
20	6	22	533	468	12	50	65	13	31	41·3	30·8	9	9	10·5	16	22	946	915	6	22	31	246	0	82·7
21	23	45	547	484	13	5	63	12	19	38·0	30·8	19	22	7·2	15	32	932	916	23	58	16	176	0	82·7
22 Q	0	1	535	505	10	56	30	14	12	36·5	30·9	5	30	5·6	15	58	929	916	0	1	13	108	0	82·6
23 Q	3	35	528	503	11	20	25	13	34	35·6	30·8	9	30	4·8	19	20	928	918	3	33	10	86	0	82·6
24 Q	19	43	533	508	11	50	25	13	10	38·2	31·3	9	6	6·9	15	50	927	916	11	30	11	90	0	82·4
25 Q	5	38	534	507	10	50	27	12	56	37·4	31·0	8	49	6·4	15	35	927	916	11	30	11	94	0	82·5
26	15	50	547	500	9	4	47	18	42	41·1	30·3	9	6	10·8	19	42	951	916	10	15	35	235	1	82·4
27	20	32	531	500	10	1	31	13	8	37·3	29·8	2	25	7·5	0	1	929	916	12	10	13	109	0	82·5
28	23	40	610	506	12	3	104	14	44	37·8	26·3	24	0	11·5	22	21	923	896	24	0	27	293	0	82·5
29 D	4	38	578	311	9	24	267	4	24	71·9	15·6	0	19	56·3	20	54	951	747	4	30	204	1355	2	82·8
30	19	41	521	466	11	16	55	14	7	35·4	28·4	9	20	7·0	16	33	943	932	12	10	11	140	0	82·8
Mean	—	—	543	471	—	—	72	—	—	41·0	24·9	—	—	16·1	—	—	942	903	—	—	39	295	0·67	83·0
No. of Days Used	—	—	30	30	—	—	30	—	—	30	30	—	—	30	—	—	30	30	—	—	30	30	30	30

§ For explanation see page 175 — Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 328 - 334.

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

313 ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — DECEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	502	502	502	504	502	505	506	498	493	491	484	478	485	489	491	498	502	509	511	521	513	502	506	507	500
2	506	509	509	510	514	519	521	515	497	501	501	493	496	500	501	506	511	518	514	516	510	493	500	509	507
3	506	503	499	511	510	512	513	511	507	499	493	493	486	494	501	504	506	517	514	507	505	509	514	518	505
4 D	514	510	515	522	542	587	515	520	514	511	508	509	505	499	509	519	510	511	519	522	523	515	519	519	516
5	514	507	511	510	511	510	516	515	510	503	500	499	502	510	514	518	520	522	526	518	523	518	511	517	513
6	513	509	506	513	513	518	518	515	510	507	503	501	500	510	511	506	514	511	512	511	511	518	520	528	512
7	519	517	513	514	514	516	515	512	509	505	498	494	494	501	513	519	510	513	518	513	506	518	515	514	511
8	512	510	508	513	513	516	514	513	512	506	498	497	500	505	509	514	517	517	518	514	518	517	519	521	512
9 Q	521	518	517	518	518	521	521	517	512	504	496	496	502	509	504	513	517	521	523	521	521	521	521	522	515
10 Q	522	523	522	521	518	525	523	521	518	512	509	510	513	517	517	514	518	519	521	521	521	521	521	521	519
11	525	521	522	525	525	525	525	518	509	505	492	499	509	515	517	517	521	515	521	521	517	518	521	521	517
12 D	517	518	517	522	525	529	530	525	521	518	512	510	519	535	530	540	529	541	538	536	532	526	517	525	526
13 D	526	528	529	532	528	522	529	523	520	516	518	519	519	526	524	527	532	524	528	512	519	515	524	516	523
14	520	517	516	516	525	534	524	524	520	512	512	513	512	516	505	523	519	518	524	524	522	522	521	520	519
15	521	521	521	521	521	524	522	520	518	513	511	510	507	514	520	522	525	524	526	526	527	528	524	524	520
16	524	521	524	524	525	527	532	529	528	524	518	516	517	521	525	524	520	524	525	525	520	520	517	520	523
17	520	521	521	524	524	524	526	528	526	516	510	512	520	524	524	525	527	526	520	519	524	524	521	519	522
18	532	524	520	523	524	526	529	529	519	512	508	508	511	507	516	520	515	516	517	516	516	520	520	520	519
19 Q	521	523	523	523	525	527	528	525	520	510	504	507	510	515	521	523	522	523	525	524	526	524	525	524	521
20	523	523	524	526	528	531	535	532	524	513	499	499	502	511	511	518	522	523	519	517	499	504	511	506	517
21	512	515	512	515	518	519	522	522	522	515	510	508	504	506	507	511	516	513	520	527	528	524	523	521	516
22 Q	522	523	518	515	516	519	523	522	521	515	510	508	509	512	517	523	527	528	527	526	526	525	520	523	520
23	523	521	522	519	523	527	529	523	519	504	506	506	506	507	515	519	515	519	524	524	517	511	508	507	516
24 Q	510	515	511	514	513	520	517	515	511	504	503	507	504	506	510	514	515	519	521	521	521	520	523	524	514
25	523	523	523	525	527	527	527	524	519	515	511	513	514	515	519	523	521	523	529	527	528	524	523	524	522
26	526	525	524	524	524	526	527	527	523	522	521	521	518	515	516	519	521	523	526	530	532	531	531	531	524
27 D	528	527	527	536	540	536	543	536	532	519	512	506	511	506	502	505	499	501	490	487	487	489	490	498	513
28 D	469	502	490	490	494	469	481	477	485	489	467	458	462	485	498	493	465	467	485	482	482	483	479	485	481
29	486	487	493	494	498	498	499	492	485	482	485	480	481	477	476	476	479	487	494	492	491	494	499	504	489
30	503	503	506	505	508	507	509	506	503	495	487	480	485	495	496	496	502	505	506	493	486	494	503	506	499
31	507	510	511	515	515	518	518	518	514	505	497	494	493	501	498	498	502	510	515	518	519	518	511	513	509
Mean	515	515	515	517	519	520	521	518	514	508	503	501	503	508	510	514	514	516	518	516	515	514	515	516	513

515 at 0-1h. on Jan 1st 1937

2/2/12/1936/21/01/82/313.

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

314 ESKDALEMUIR (D) — 13° + — DECEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	30·8	31·8	31·7	32·8	32·2	32·6	30·7	31·6	31·4	32·1	32·8	34·7	36·5	36·4	37·3	37·3	35·4	33·6	32·5	29·8	30·9	30·5	30·7	31·1	32·8
2	31·0	32·4	33·0	34·4	32·9	32·0	31·9	31·8	31·0	31·1	32·4	33·8	35·2	36·1	35·9	35·4	34·4	34·1	33·6	32·9	32·7	30·3	30·9	28·0	32·8
3	29·0	28·9	29·2	28·8	29·6	31·5	31·8	31·4	31·3	31·9	33·5	35·4	36·8	37·6	37·1	38·2	35·3	33·5	34·5	34·4	32·1	30·8	31·4	29·4	32·6
4 D	28·2	30·8	31·6	33·4	35·5	32·7	32·0	31·9	31·6	30·1	31·6	36·2	35·7	37·7	36·1	37·4	35·8	35·3	33·5	34·0	33·3	32·9	32·3	31·8	33·4
5	33·6	32·9	30·3	30·8	31·6	31·0	31·7	31·7	31·6	31·8	32·6	34·7	35·7	36·9	36·6	35·7	34·9	34·6	34·7	33·9	32·9	32·7	31·1	30·6	33·1
6	31·7	31·3	31·8	30·8	31·6	32·0	31·6	31·4	31·1	31·2	32·6	34·2	35·7	36·5	37·1	35·7	35·7	36·7	36·7	35·5	32·1	32·7	31·6	28·0	33·1
7	30·0	29·8	31·6	32·6	31·8	31·6	31·8	31·6	31·2	31·9	33·0	34·5	35·7	36·4	36·5	35·8	36·8	36·9	36·8	35·2	31·3	32·6	32·1	32·2	33·3
8	32·6	31·8	32·0	32·5	32·1	31·8	32·4	31·7	31·4	30·9	30·9	32·6	34·5	35·7	35·5	35·3	34·4	33·8	34·0	34·1	30·5	32·7	32·3	32·1	32·8
9 Q	32·0	31·9	32·4	32·6	32·2	32·4	32·0	31·7	30·9	30·8	31·0	33·5	36·2	37·0	36·7	35·4	34·7	33·7	33·7	33·8	33·7	32·7	31·7	31·8	33·1
10 Q	32·4	32·1	31·8	31·6	32·7	32·0	31·1	31·1	30·9	30·9	32·7	34·7	36·5	37·1	36·8	35·7	34·3	34·0	33·0	32·8	32·5	32·1	31·8	31·7	33·0
11	32·0	32·6	32·7	32·2	31·8	31·7	31·6	30·8	30·7	30·5	32·9	35·0	36·4	36·3	35·4	35·6	34·4	33·6	33·5	32·7	31·7	31·7	31·4	31·7	32·9
12 D	32·0	31·8	31·8	33·0	33·5	33·4	32·8	31·9	31·9	32·1	32·6	34·4	36·0	37·4	38·3	38·3	38·3	37·5	36·6	35·9	38·2	34·8	33·6	31·7	34·5
13 D	32·2	33·2	32·9	32·6	33·1	33·0	32·6	31·8	31·8	31·8	33·2	34·5	34·7	34·9	34·4	34·5	34·4	34·4	33·6	35·6	32·3	31·0	28·0	31·0	33·0
14	31·8	31·4	32·1	31·1	31·7	29·3	31·6	31·4	32·3	32·2	32·1	33·6	36·2	36·5	35·6	35·7	35·7	33·0	33·7	32·8	32·5	31·8	31·7	31·6	32·8
15	31·8	32·6	32·6	32·6	32·0	31·9	31·8	31·8	32·2	31·6	33·0	35·5	35·1	35·6	35·0	34·6	34·2	33·7	33·2	32·6	32·1	31·3	31·6	31·7	32·9
16	31·9	31·9	32·6	32·6	32·6	32·4	32·1	32·1	31·6	31·0	31·9	33·5	34·5	34·9	34·8	35·5	34·8	34·0	33·6	32·9	31·7	28·2	30·8	30·9	32·6
17	31·1	31·9	32·4	31·9	32·0	32·0	31·9	31·6	31·4	31·0	32·6	34·4	36·1	35·6	34·5	34·5	33·9	33·9	33·5	32·8	32·0	31·8	30·9	30·7	32·7
18	28·2	29·9	30·1	32·1	32·1	31·9	31·9	31·8	31·7	31·7	33·1	34·8	35·4	35·6	35·6	35·5	35·5	34·8	33·6	32·8	31·4	31·0	31·0	31·4	32·6
19 Q	31·9	32·6	32·7	32·9	32·7	32·4	31·9	31·8	31·4	31·2	32·6	34·2	35·4	35·0	34·4	33·9	33·6	33·0	32·9	32·7	32·2	32·0	31·6	31·8	32·8
20	32·2	32·8	33·0	33·1	33·1	33·0	32·7	31·8	31·2	31·0	32·4	35·6	36·9	38·4	38·5	35·9	34·5	33·5	33·4	33·1	30·1	30·5	28·3	28·0	33·0
21	29·7	31·0	32·3	31·4	31·1	31·8	31·9	32·2	31·9	31·8	33·7	35·6	36·8	37·5	36·5	36·9	35·5	36·6	34·6	32·8	32·2	31·7	28·1	31·0	33·1
22 Q	31·8	31·2	31·0	31·1	31·7	31·9	31·9	31·8	31·5	31·5	32·7	33·0	33·9	34·3	34·6	34·5	34·0	33·0	32·8	32·7	32·4	32·3	31·8	30·3	32·4
23	29·6	30·8	32·3	32·3	31·8	31·8	31·2	31·8	32·2	31·2	31·9	33·6	34·4	35·2	35·8	35·8	34·5	34·3	33·9	33·6	33·1	31·7	30·2	29·9	32·6
24 Q	30·0	29·3	30·1	30·8	31·1	31·9	31·4	31·1	30·8	30·7	32·6	33·9	34·0	35·1	35·1	34·4	33·6	33·0	32·7	32·7	31·5	32·1	32·2	32·0	32·2
25	32·7	32·7	32·7	32·7	32·6	31·8	31·7	31·1	30·0	30·1	31·7	33·0	33·1	34·6	35·6	35·4	34·8	34·7	34·6	33·8	32·6	32·1	32·2	32·0	32·8
26	32·0	32·2	32·2	32·5	32·6	32·5	31·9	31·1	30·6	31·1	32·1	33·1	33·8	35·5	35·4	34·9	34·3	33·9	33·7	32·9	32·7	31·9	31·9	32·1	32·8
27 D	32·3	32·5	32·6	32·9	32·4	33·7	34·2	34·2	31·9	30·1	31·6	32·0	34·8	37·2	35·5	37·4	36·4	33·6	33·3	34·5	29·3	23·2	28·2	31·0	32·7
28 D	28·3	24·4	22·9	30·9	36·1	42·2	37·3	37·6	34·1	31·0	31·3	34·5	38·3	39·7	37·8	34·7	27·0	32·1	33·0	31·6	30·4	30·1	29·8	30·2	32·5
29	31·0	31·7	32·1	31·9	32·3	32·4	31·6	30·1	29·6	30·0	31·0	33·4	35·5	35·7	35·4	33·9	32·8	32·0	31·8	31·1	28·6	28·8	29·8	30·8	31·8
30	31·0	31·9	32·4	33·0	32·8	31·9	31·4	30·7	29·9	29·7	29·7	31·7	33·7	35·5	34·4	34·0	34·0	34·1	33·8	33·2	31·8	31·1	29·8	31·0	32·2
31	31·8	32·1	32·5	33·0	32·6	31·8	31·4	30·4	29·7	29·8	31·0	32·4	33·2	34·1	34·0	34·4	34·4	33·8	34·0	32·9	31·9	31·8	31·4	30·7	32·3
Mean	31·0	31·4	31·7	32·2	32·4	32·4	32·1	31·8	31·3	31·1	32·2	34·1	35·4	36·2	35·9	35·6	34·6	34·2	33·8	33·3	32·0	31·3	31·0	30·9	32·6

30·6 at 0-1h. Jan. 1st 1937. Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334

2/6/1936/1753/0-/BB/440.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

315 ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S. unit) + — DECEMBER, 1936

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	933	930	928	927	923	924	928	929	932	933	934	932	934	939	945	945	945	941	940	936	933	933	933	932	934
2	930	930	929	928	928	928	928	928	929	924	919	917	921	923	929	930	929	929	930	930	933	939	937	926	928
3	928	929	929	923	924	923	923	927	927	929	927	924	927	930	934	935	937	937	936	940	942	940	934	929	931
4 D	922	922	921	917	909	910	919	921	921	922	916	916	918	921	921	926	930	933	932	929	928	929	930	929	923
5	927	917	919	924	928	928	928	928	927	928	928	926	926	924	927	928	929	929	929	933	930	932	931	929	927
6	928	929	932	929	928	928	928	928	928	928	927	927	927	928	930	933	934	934	940	946	944	939	935	933	932
7	930	928	928	928	928	928	928	928	928	927	925	924	927	927	927	929	934	934	936	941	946	936	934	933	931
8	932	930	930	927	928	929	929	929	929	931	929	927	927	924	926	929	929	928	928	929	933	929	928	927	929
9 Q	927	927	927	926	927	926	926	927	929	933	928	926	924	926	929	929	929	928	928	929	929	932	932	929	928
10 Q	926	926	925	925	922	921	922	922	925	922	922	921	917	921	921	926	927	927	927	926	927	927	926	926	924
11	922	922	922	922	922	921	921	922	926	926	925	923	922	922	925	928	928	928	928	927	927	927	926	926	925
12 D	925	922	921	921	921	921	921	921	921	921	919	921	920	915	917	922	925	922	925	928	932	939	939	936	924
13 D	928	926	922	921	920	921	920	921	919	916	917	918	921	920	922	922	923	923	923	928	931	932	931	926	923
14	926	926	925	923	921	915	915	915	915	915	916	916	918	921	925	927	928	928	926	923	923	923	923	923	921
15	923	923	923	923	923	922	922	921	919	920	921	921	921	922	922	925	925	923	922	922	922	922	922	921	922
16	921	921	921	921	921	921	919	918	918	918	917	916	917	918	918	921	922	921	921	921	922	925	924	922	920
17	921	921	921	921	921	921	921	919	918	918	916	915	918	921	921	921	922	922	923	925	923	921	921	921	921
18	916	913	915	916	918	919	918	918	919	918	915	917	922	926	925	926	928	928	928	928	928	926	923	921	921
19 Q	920	918	919	919	920	920	920	920	921	921	921	920	920	921	921	920	921	921	920	920	920	920	919	918	920
20	918	916	916	916	916	917	916	917	919	920	920	920	924	925	924	924	925	925	925	925	931	930	924	922	921
21	919	914	913	914	915	918	919	920	916	914	914	915	915	917	925	930	931	931	930	926	925	925	925	921	921
22 Q	920	920	920	920	920	920	920	920	920	920	920	920	921	920	920	920	921	920	921	920	920	920	921	921	920
23	920	919	917	915	916	915	916	918	920	920	920	920	920	921	921	925	926	925	924	925	926	927	929	927	921
24 Q	926	924	922	920	920	917	919	921	924	921	917	915	917	920	924	923	923	921	921	921	920	920	920	920	921
25	919	919	918	918	917	918	920	920	920	920	920	919	917	914	917	920	920	920	917	920	920	920	921	920	919
26	920	919	918	917	917	917	917	916	915	914	912	914	914	914	916	919	920	917	916	917	918	918	918	917	917
27 D	917	915	915	914	912	911	907	907	909	910	914	918	914	917	923	926	931	938	944	948	956	947	933	920	923
28 D	909	890	866	863	857	846	873	898	913	927	935	945	960	995	1011	1001	1008	979	952	944	939	938	938	937	930
29	936	935	934	932	931	931	932	932	931	931	928	925	925	935	944	948	948	944	938	938	936	932	930	928	934
30	928	928	928	928	928	930	930	930	928	928	931	929	927	931	935	932	932	932	932	938	943	940	933	931	931
31	930	928	928	927	927	927	927	926	925	927	928	927	927	926	928	930	931	931	930	931	929	927	928	930	928
Mean	924	922	921	920	920	919	920	922	922	923	922	922	923	925	928	930	931	930	929	929	930	930	928	926	925

929 at 0-1h. Jan. 1st 1937

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE

316 ESKDALEMUIR — DECEMBER, 1936

Day	Horizontal Force: Maximum 16,000 γ+			Horizontal Force: Minimum 16,000 γ+			Horizontal Force: Range	Declination: Maximum 13° +			Declination: Minimum 13° +			Declination: Range	Vertical Force: Maximum 44,000 γ+			Vertical Force: Minimum 44,000 γ+			Vertical Force: Range	$HR_H + VR_V$ § 10,000γ²	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	20	10	531	473	11	37	58	15	8	38·0	26·1	19	58	11·9	15	29	946	922	4	55	24	204	1	82·8
2	6	28	522	490	11	32	32	13	59	36·6	25·4	23	18	11·2	22	0	940	916	12	0	24	161	1	83·0
3	24	0	532	480	12	12	52	12	44	38·9	26·2	23	57	12·7	20	43	944	922	3	53	22	185	1	83·0
4 D	4	46	553	493	13	35	60	13	3	41·3	26·2	0	1	15·1	18	10	934	904	4	50	30	233	1	83·1
5	19	58	550	494	11	56	56	13	47	37·7	27·2	22	52	10·5	22	10	934	914	2	4	20	182	1	83·1
6	23	12	535	493	12	36	42	18	54	39·1	27·0	23	40	12·1	20	0	947	926	12	3	21	163	1	83·1
7	19	58	554	465	20	7	89	20	1	43·2	27·9	20	18	15·3	20	8	950	923	10	50	27	268	1	83·2
8	20	26	530	494	11	2	36	13	28	36·2	27·3	20	19	8·9	20	12	934	923	13	50	11	108	0	83·2
9 Q	22	46	529	493	10	53	36	13	48	37·5	29·9	9	26	7·6	21	40	933	922	12	40	11	108	0	83·2
10 Q	5	27	527	506	10	29	21	13	38	37·6	30·4	7	52	7·2	17	40	928	916	12	20	12	89	0	83·2
11	0	12	530	490	10	38	40	13	10	36·7	29·8	9	24	6·9	17	48	929	921	6	0	8	102	0	83·2
12 D	15	32	549	505	22	29	44	20	35	40·1	30·8	22	49	9·3	21	37	941	913	14	1	28	198	1	83·2
13 D	22	40	555	501	22	10	54	19	28	37·3	23·5	22	18	13·8	22	30	936	915	10	10	21	183	1	83·2
14	5	22	538	495	14	30	43	13	48	37·6	28·1	5	32	9·5	17	20	930	911	5	25	19	156	1	83·2
15	19	54	529	499	12	42	30	13	48	36·6	31·0	9	52	5·6	15	40	926	918	8	20	8	86	0	83·3
16	6	50	533	513	20	54	20	16	7	35·9	27·0	21	14	8·9	21	20	927	915	11	50	12	87	0	83·4
17	14	51	532	508	10	43	24	12	59	36·4	30·1	8	21	6·3	19	6	926	915	11	18	11	89	0	83·4
18	0	14	540	499	13	23	41	13	6	36·7	27·0	0	30	9·7	20	23	929	912	1	28	17	144	0	83·4
19 Q	6	43	528	502	10	47	26	12	30	35·7	31·0	8	49	4·7	14	5	922	918	1	30	4	61	0	83·3
20	6	30	536	495	20	33	41	14	10	39·6	25·6	23	20	14·0	20	46	932	915	3	50	17	144	0	83·3
21	23	0	532	492	12	52	40	15	37	38·4	23·2	22	41	15·2	15	37	931	911	1	36	20	156	1	83·3
22 Q	17	32	525	506	13	3	29	14	50	34·9	29·1	23	58	5·8	23	40	921	919	9	30	2	57	0	83·4
23	6	4	531	498	9	40	33	15	5	36·4	29·1	0	30	7·3	22	50	931	914	6	10	17	130	0	83·4
24 Q	23	14	527	502	10	10	25	13	50	35·7	29·1	1	33	6·6	0	1	927	914	11	32	13	99	0	83·4
25	18	27	532	510	11	0	22	14	18	35·8	29·3	8	57	6·5	21	20	921	914	13	30	7	67	0	83·4
26	19	43	532	515	13	59	17	13	41	35·7	30·0	8	56	5·7	0	1	921	911	11	3	10	73	0	83·4
27 D	3	32	558	461	18	23	97	13	24	39·6	16·7	21	14	22·9	20	10	961	905	6	50	56	411	1	83·4
28 D	2	3	526	433	5	51	93	5	56	46·8	16·8	2	41	30·0	14	10	1015	835	5	30	180	959	2	83·4
29	6	1	508	470	16	12	38	12	52	36·6	27·2	20	55	9·4	16	3	950	922	11	26	28	179	1	83·4
30	6	21	510	475	11	14	35	13	46	36·3	29·0	22	20	7·3	20	20	944	927	12	43	17	134	0	83·3
31	20	22	522	489	12	18	33	14	57	35·2	29·0	9	38	6·2	17	4	931	925	8	26	6	81	0	83·4
Mean	—	—	534	492	—	—	42	—	—	37·7	27·3	—	—	10·4	—	—	937	914	—	—	23	171	0·48	83·3
No. of Days Used	—	—	31	31	—	—	31	—	—	31	31	—	—	31	—	—	31	31	—	—	31	31	31	31

§ For explanation see page 176. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323 - 334

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE -(ALL DAYS)

Departures from the mean of the 24 hourly values (uncorrected for non-cyclic change)

317 ESKDALEMUIR — NORTH COMPONENT (ALL DAYS) — 1936

MONTH AND SEASON	Hour 0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
January	γ +2·3	+2·6	+1·3	+0·9	+4·5	+7·8	+6·4	+5·4	+0·7	-2·7	-7·2	-10·7	-11·8	-7·3	-5·6	-5·0	-1·0	-0·3	+3·2	+3·3	+1·1	+3·9	+3·9	+4·3
February	+4·2	+5·7	+3·6	+4·9	+4·9	+5·4	+5·4	+6·0	+2·5	-0·9	-8·0	-12·9	-12·0	-8·3	-6·0	-3·7	-5·0	-0·5	+3·3	+1·8	+0·5	+4·4	+2·0	+2·7
March	+7·7	+5·8	+6·3	+7·9	+8·1	+7·8	+7·5	+7·8	+1·5	-8·0	-19·8	-27·1	-27·2	-20·8	-13·5	-7·1	-1·4	+4·9	+9·9	+12·3	+10·9	+10·1	+8·2	+8·4
April	+7·2	+7·1	+8·0	+7·6	+7·7	+5·7	+7·4	+2·9	-8·1	-19·2	-31·3	-39·2	-38·0	-27·9	-12·3	-3·8	+11·6	+20·7	+22·5	+21·6	+19·1	+13·4	+8·8	+8·5
May	+9·6	+6·9	+7·1	+6·1	+6·3	+4·5	-0·3	-9·2	-20·8	-29·9	-36·5	-35·8	-31·4	-23·8	-10·6	-0·4	+12·5	+25·1	+32·5	+30·1	+21·4	+14·3	+11·7	+10·3
June	+8·7	+9·5	+8·0	+5·6	+2·9	+2·7	-2·6	-11·7	-23·0	-33·3	-39·5	-38·4	-32·2	-24·1	-11·8	+0·1	+15·7	+26·9	+33·2	+33·1	+27·6	+18·7	+13·4	+10·4
July	+7·7	+2·8	+7·1	+6·6	+7·6	+6·4	+1·7	-7·1	-18·5	-31·7	-39·4	-38·2	-28·8	-20·3	-6·3	+6·8	+14·3	+24·7	+28·4	+26·9	+17·8	+13·6	+8·0	+7·7
August	+9·1	+7·1	+6·5	+6·5	+8·6	+8·3	+3·3	-3·3	-13·7	-23·8	-32·2	-33·6	-28·4	-21·0	-9·4	-2·3	+7·1	+18·1	+21·5	+21·9	+17·5	+13·2	+10·3	+8·8
September	+14·4	+13·1	+13·3	+12·3	+13·1	+12·2	+9·1	+2·5	-8·5	-23·2	-34·9	-38·0	-33·2	-23·0	-15·3	-5·8	+0·5	+6·5	+10·6	+14·6	+14·7	+15·5	+15·6	+14·1
October	+9·1	+9·9	+10·5	+13·6	+12·4	+13·3	+12·7	+7·7	-3·9	-17·7	-26·6	-31·4	-27·8	-20·2	-13·1	-5·6	+1·2	+4·6	+6·1	+8·2	+9·1	+9·2	+9·8	+8·8
November	+7·3	+3·1	+2·8	+5·1	+6·4	+10·3	+9·8	+6·0	-0·7	-8·7	-15·8	-20·3	-20·7	-17·7	-11·0	-5·1	-0·9	+4·6	+5·5	+5·5	+7·9	+10·0	+8·9	+7·5
December	+3·6	+3·4	+2·5	+4·0	+5·5	+6·6	+7·7	+5·4	+1·8	-3·4	-9·8	-13·1	-13·0	-9·3	-6·7	-2·8	-2·0	+0·6	+3·1	+2·4	+2·5	+2·6	+3·3	+5·0
Year	+7·6	+6·4	+6·4	+6·8	+7·3	+7·6	+5·7	+1·0	-7·6	-16·9	-25·1	-28·1	-25·4	-18·6	-10·1	-2·9	+4·4	+11·3	+15·0	+15·1	+12·5	+10·7	+8·7	+8·0
Winter	+4·3	+3·7	+2·5	+3·7	+5·3	+7·5	+7·3	+5·7	+1·1	-3·9	-10·2	-14·3	-14·4	-10·7	-7·3	-4·1	-2·2	+1·1	+3·8	+3·3	+3·0	+5·2	+4·5	+4·9
Equinox	+9·6	+9·0	+9·5	+10·3	+10·3	+9·7	+9·2	+5·2	-4·7	-17·0	-28·1	-33·9	-31·5	-23·0	-13·5	-5·6	+3·0	+9·2	+12·3	+14·2	+13·5	+12·1	+10·6	+9·9
Summer	+8·8	+6·6	+7·2	+6·2	+6·3	+5·5	+0·5	-7·8	-19·0	-29·7	-36·9	-36·0	-30·2	-22·3	-9·5	+1·1	+12·4	+23·7	+28·9	+28·0	+21·1	+14·9	+10·9	+9·3

318 ESKDALEMUIR — WEST COMPONENT (ALL DAYS) — 1936

	Hour 0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
January	γ -13·7	-10·7	-9·6	-7·5	-6·6	-4·7	-2·3	-1·5	-0·9	+1·5	+4·6	+8·6	+11·6	+17·4	+15·3	+11·9	+10·6	+8·6	+3·1	+2·0	-7·1	-8·4	-10·3	-11·8
February	-13·1	-9·1	-13·4	-12·4	-10·6	-6·9	-5·7	-3·0	-1·5	+0·5	+3·4	+10·1	+19·0	+22·7	+21·6	+18·6	+10·1	+8·4	+5·5	+2·1	-5·3	-13·7	-13·4	-14·2
March	-12·0	-13·7	-11·3	-11·7	-10·9	-9·4	-7·9	-12·1	-17·9	-18·2	-9·7	+7·1	+22·9	+32·1	+32·5	+26·4	+16·1	+10·6	+6·3	+1·9	+0·2	-4·6	-8·7	-8·0
April	-5·9	-10·6	-13·6	-12·3	-10·6	-11·3	-13·6	-23·1	-25·0	-20·2	-10·9	+5·5	+23·4	+35·5	+36·2	+29·6	+26·0	+15·2	+8·6	+2·2	-3·2	-9·6	-5·6	-6·8
May	-2·0	-5·5	-6·0	-10·5	-13·4	-18·8	-26·5	-32·6	-33·5	-26·6	-10·3	+8·3	+24·0	+32·3	+31·1	+25·3	+20·8	+17·5	+11·9	+6·4	+4·2	+3·7	+1·5	-1·1
June	-4·5	-6·3	-7·5	-10·5	-16·2	-20·5	-27·0	-31·5	-31·9	-27·6	-14·6	+0·3	+16·7	+25·9	+30·2	+27·5	+26·2	+22·0	+17·9	+14·0	+9·6	+7·2	+2·9	-2·2
July	-4·2	-6·2	-5·5	-10·2	-13·1	-20·1	-27·0	-32·0	-32·4	-27·9	-15·7	+0·3	+17·0	+29·3	+33·9	+32·1	+26·6	+21·2	+15·2	+10·2	+6·4	+3·1	-0·5	-0·5
August	-3·2	-5·7	-7·3	-10·7	-12·9	-19·3	-23·9	-26·5	-26·8	-22·1	-10·2	+6·0	+22·2	+28·9	+29·2	+22·5	+17·1	+13·3	+10·0	+9·4	+4·4	+3·1	+0·9	+1·6
September	-3·1	-4·1	-6·3	-9·0	-9·4	-11·1	-15·5	-21·7	-27·3	-24·4	-10·2	+8·8	+22·7	+31·3	+28·4	+20·7	+11·9	+6·4	+5·7	+4·6	+4·1	+2·8	-2·0	-3·1
October	-8·0	-8·2	-7·5	-8·4	-4·1	-2·5	-3·9	-10·2	-19·3	-18·8	-6·3	+10·1	+19·5	+25·3	+23·9	+16·7	+11·5	+9·6	+8·7	+0·5	-2·1	-6·0	-9·3	-11·0
November	-9·5	-11·3	-6·2	-5·6	-2·6	-1·8	-2·7	-5·1	-8·6	-10·8	-3·9	+5·9	+11·2	+17·5	+18·1	+17·6	+12·5	+9·5	+7·6	+3·3	-2·0	-9·4	-11·9	-11·6
December	-8·0	-6·0	-5·1	-2·2	-0·8	-0·5	-1·9	-3·9	-7·0	-9·4	-5·3	+3·0	+9·5	+14·4	+13·5	+12·8	+8·3	+6·7	+5·8	+2·9	-3·3	-6·7	-8·4	-8·3
Year	-7·3	-8·1	-8·3	-9·3	-9·3	-10·6	-13·2	-16·9	-19·3	-17·0	-7·4	+6·2	+18·3	+26·1	+26·2	+21·8	+16·5	+12·4	+8·9	+5·0	+0·5	-3·2	-5·4	-6·4
Winter	-11·1	-9·3	-8·6	-6·9	-5·1	-3·5	-3·1	-3·4	-4·5	-4·5	-0·3	+6·9	+12·8	+18·0	+17·1	+15·2	+10·4	+8·3	+5·5	+2·6	-4·4	-9·6	-11·0	-11·5
Equinox	-7·3	-9·1	-9·7	-10·3	-8·7	-8·6	-10·2	-16·8	-22·4	-20·4	-9·3	+7·9	+23·1	+31·1	+30·3	+23·3	+16·4	+10·5	+7·3	+2·3	-0·3	-4·3	-6·4	-7·2
Summer	-3·5	-5·9	-6·7	-10·5	-13·9	-19·7	-26·1	-30·7	-31·1	-26·1	-12·7	+3·7	+20·0	+29·1	+31·1	+26·9	+22·7	+18·5	+13·7	+10·0	+6·1	+4·3	+1·2	-0·5

319 ESKDALEMUIR — VERTICAL COMPONENT (ALL DAYS) — 1936

	Hour 0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
January	γ -0·2	-1·9	-3·1	-3·7	-5·2	-6·1	-6·8	-6·7	-5·8	-5·4	-3·8	-3·4	-3·8	-2·2	+1·8	+4·0	+5·7	+5·3	+7·3	+8·6	+11·4	+7·9	+5·0	+1·1
February	-1·6	-6·8	-6·7	-6·1	-6·1	-5·7	-5·5	-6·7	-6·4	-7·3	-8·4	-8·8	-8·2	-5·0	0·0	+8·0	+14·4	+15·1	+13·5	+11·4	+12·0	+7·6	+5·2	+2·1
March	-3·9	-6·1	-8·5	-7·3	-5·4	-3·7	-3·6	-2·0	-0·5	-2·2	-7·2	-11·0	-11·2	-6·2	-0·1	+6·9	+12·3	+13·3	+13·4	+12·3	+9·5	+6·6	+3·9	+0·7
April	-17·5	-14·5	-11·9	-9·5	-7·5	-5·8	-3·8	-1·0	-1·8	-5·4	-8·1	-11·9	-11·9	-6·2	+4·8	+11·5	+15·7	+25·3	+26·7	+24·0	+15·2	+7·6	-2·1	-11·9
May	-4·9	-7·3	-6·5	-5·1	-2·1	+0·5	+1·8	+0·8	-1·6	-8·1	-13·3	-17·3	-16·0	-7·3	+0·9	+7·8	+12·0	+15·2	+16·6	+15·3	+12·7	+6·4	+1·1	-1·6
June	-3·2	-4·3	-5·9	-8·1	-8·3	-4·8	-3·4	-2·5	-4·6	-7·1	-9·1	-12·8	-10·2	-3·7	+0·8	+6·0	+10·4	+13·2	+14·5	+15·2	+13·4	+10·7	+4·7	-0·9
July	-7·5	-10·9	-11·0	-9·4	-4·9	-2·9	-0·6	+1·0	-0·2	-3·8	-8·6	-12·2	-12·3	-6·6	+1·5	+9·4	+14·3	+17·1	+17·8	+15·8	+10·3	+6·4	+0·4	-3·1
August	-0·4	-2·1	-2·9	-2·0	-0·6	+1·2	+2·7	+2·5	-0·1	-4·7	-9·1	-13·6	-14·8	-10·2	-2·8	+3·0	+6·2	+8·3	+9·2	+9·6	+9·0	+6·0	+4·0	+1·6
September	-0·4	-1·1	-2·1	-2·3	-2·2	-1·5	+1·1	+3·0	+2·6	0·0	-5·6	-11·2	-11·9	-9·4	-2·6	+3·4	+6·9	+7·6	+7·1	+6·0	+5·2	+4·3	+2·3	+0·8
October	-5·0	-8·2	-11·5	-11·6	-10·3	-8·2	-5·3	-0·3	+1·7	-0·3	-4·4	-5·3	-3·5	-0·4	+3·6	+9·3	+11·3	+12·3	+12·8	+11·3	+8·6	+5·6	-0·4	-1·8
November	-3·9	-6·6	-8·0	-8·8	-9·1	-8·4	-6·7	-4·0	-1·8	-1·2	-2·9	-2·8	-1·0	+1·5	+5·1	+8·0	+8·9	+9·6	+8·4	+9·9	+7·7	+4·9	+1·4	-0·2
December	-0·7	-2·6	-3·8	-4·6	-5·2	-5·7	-4·4	-3·3	-2·5	-2·2	-2·8	-3·0	-2·0	+0·5	+3·4	+4·9	+6·2	+4·8	+4·0	+4·7	+5·4	+4·7	+3·2	+1·0
Year	-4·1	-6·0	-6·8	-6·5	-5·6	-4·3	-2·9	-1·6	-1·7	-4·0	-6·9	-9·4	-8·9	-4·6	+1·4	+6·9	+10·4	+12·3	+12·6	+12·0	+10·0	+6·6	+2·4	-1·0
Winter	-1·6	-4·5	-5·4	-5·8	-6·4	-6·5	-5·9	-5·2	-4·1	-4·0	-4·5	-4·5	-3·7	-1·3	+2·6	+6·2	+8·8	+8·7	+8·3	+8·7	+9·1	+6·3	+3·7	+1·0
Equinox	-6·7	-7·5	-8·5	-7·9	-6·3	-4·8	-2·9	-0·1	+0·5	-2·0	-6·3	-9·9	-9·7	-5·5	+1·4	+7·8	+11·6	+14·6	+15·0	+13·4	+9·6	+6·0	+0·9	-3·1
Summer	-4·0	-6·1	-6·6	-6·2	-4·0	-1·5	+0·1	+0·5	-1·6	-5·9	-10·0	-14·0	-13·3	-6·9	+0·1	+6·5	+10·7	+13·5	+14·5	+14·0	+11·3	+7·4	+2·6	-1·0

DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE-(ALL DAYS)

Departures from the mean of the 24 hourly values (uncorrected for non-cyclic change)

MONTH AND SEASON	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
DECLINATION (measured positive towards the West) (ALL DAYS)																								
320 ESKDALEMUIR																								1936
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	-2·88	-2·30	-2·01	-1·57	-1·56	-1·34	-0·78	-0·57	-0·22	+0·44	+1·29	+2·26	+2·92	+3·88	+3·37	+2·65	+2·19	+1·75	+0·47	+0·25	-1·48	-1·89	-2·28	-2·59
February	-2·86	-2·13	-2·88	-2·74	-2·38	-1·66	-1·41	-0·90	-0·43	+0·15	+1·09	+2·69	+4·44	+4·99	+4·67	+3·94	+2·29	+1·73	+0·96	+0·34	-1·10	-2·98	-2·81	-3·01
March	-2·81	-3·06	-2·60	-2·76	-2·60	-2·28	-1·97	-2·84	-3·69	-3·29	-0·98	+2·77	+5·97	+7·52	+7·24	+5·69	+3·32	+1·91	+0·78	-0·22	-0·49	-1·43	-2·15	-2·03
April	-1·54	-2·49	-3·14	-2·86	-2·53	-2·56	-3·11	-4·81	-4·66	-3·14	-0·67	+3·04	+6·60	+8·55	+7·92	+6·18	+4·69	+2·06	+0·64	-0·62	-1·59	-2·60	-1·57	-1·79
May	-0·87	-1·46	-1·57	-2·42	-3·02	-4·03	-5·35	-6·14	-5·75	-3·92	-0·29	+3·44	+6·39	+7·70	+6·80	+5·13	+3·60	+2·30	+0·81	-0·18	-0·20	+0·04	-0·28	-0·73
June	-1·33	-1·75	-1·92	-2·39	-3·41	-4·28	-5·34	-5·80	-5·32	-3·94	-1·01	+1·95	+4·96	+6·41	+6·69	+5·55	+4·52	+3·12	+1·98	+1·21	+0·59	+0·53	-0·06	-0·96
July	-1·22	-1·40	-1·47	-2·38	-3·03	-4·39	-5·55	-6·12	-5·64	-4·98	-1·23	+1·84	+4·86	+6·92	+7·17	+6·16	+4·67	+3·07	+1·68	+0·75	+0·42	-0·05	-0·50	-0·48
August	-1·09	-1·51	-1·79	-2·48	-3·03	-4·30	-5·00	-5·19	-4·75	-3·31	-0·49	+2·87	+5·88	+6·87	+6·37	+4·66	+3·10	+1·81	+0·97	+0·82	+0·03	-0·02	-0·32	-0·10
September	-1·34	-1·47	-1·93	-2·42	-2·55	-2·85	-3·59	-4·50	-5·11	-3·79	-0·35	+3·64	+6·23	+7·45	+6·50	+4·47	+2·38	+0·97	+0·63	+0·21	+0·10	-0·19	-1·17	-1·32
October	-2·07	-2·14	-2·03	-2·37	-1·43	-1·15	-1·42	-2·45	-3·71	-2·94	+0·02	+3·58	+5·30	+6·10	+5·48	+3·66	+2·27	+1·71	+1·45	-0·31	-0·87	-1·66	-2·36	-2·66
November	-2·29	-2·44	-1·40	-1·38	-0·84	-0·88	-1·03	-1·33	-1·71	-1·76	0·00	+2·19	+3·29	+4·40	+4·20	+3·80	+2·56	+1·70	+1·27	+0·40	-0·80	-2·40	-2·84	-2·71
December	-1·80	-1·39	-1·16	-0·65	-0·44	-0·42	-0·76	-1·05	-1·50	-1·73	-0·80	+1·25	+2·56	+3·37	+3·06	+2·73	+1·77	+1·33	+1·01	+0·48	-0·80	-1·50	-1·85	-1·91
Year	-1·84	-1·96	-1·99	-2·20	-2·23	-2·51	-2·94	-3·48	-3·54	-2·61	-0·27	+2·63	+4·95	+6·18	+5·79	+4·55	+3·11	+1·95	+1·05	+0·26	-0·52	-1·18	-1·52	-1·69
Winter	-2·46	-2·07	-1·86	-1·59	-1·31	-1·07	-0·99	-0·96	-0·97	-0·73	+0·45	+2·10	+3·30	+4·16	+3·83	+3·28	+2·20	+1·63	+0·93	+0·37	-1·05	-2·19	-2·45	-2·55
Equinox	-1·94	-2·29	-2·43	-2·60	-2·28	-2·21	-2·52	-3·67	-4·29	-3·29	-0·49	+3·26	+6·03	+7·41	+6·79	+5·00	+3·17	+1·66	+0·87	-0·23	-0·71	-1·47	-1·81	-1·95
Summer	-1·13	-1·53	-1·69	-2·42	-3·12	-4·25	-5·31	-5·81	-5·37	-3·81	-0·75	+2·53	+5·52	+6·97	+6·76	+5·37	+3·97	+2·57	+1·36	+0·65	+0·21	+0·13	-0·29	-0·57
321 ESKDALEMUIR											**INCLINATION (ALL DAYS)**													1936
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	+0·06	-0·05	-0·01	-0·03	-0·32	-0·59	-0·55	-0·50	-0·18	+0·02	+0·30	+0·49	+0·50	+0·15	+0·16	+0·24	+0·04	+0·02	-0·07	-0·04	+0·32	+0·07	+0·03	-0·06
February	-0·10	-0·39	-0·19	-0·27	-0·30	-0·38	-0·40	-0·50	-0·29	-0·14	+0·27	+0·47	+0·28	+0·06	+0·05	+0·14	+0·53	+0·27	+0·03	+0·10	+0·35	+0·10	+0·21	+0·10
March	-0·41	-0·31	-0·44	-0·51	-0·49	-0·46	-0·45	-0·37	+0·17	+0·77	+1·27	+1·38	+1·13	+0·70	+0·37	+0·22	+0·14	-0·16	-0·42	-0·53	-0·48	-0·42	-0·30	-0·40
April	-0·81	-0·66	-0·60	-0·54	-0·52	-0·34	-0·36	+0·15	+0·88	+1·44	+2·03	+2·19	+1·84	+1·10	+0·35	+0·06	-0·79	-0·97	-0·95	-0·85	-0·82	-0·54	-0·54	-0·75
May	-0·71	-0·54	-0·54	-0·35	-0·27	+0·02	+0·49	+1·14	+1·86	+2·18	+2·23	+1·79	+1·28	+0·88	+0·22	-0·20	-0·85	-1·55	-1·89	-1·70	-1·17	-0·84	-0·78	-0·70
June	-0·59	-0·63	-0·55	-0·40	-0·14	+0·04	+0·51	+1·20	+1·89	+2·44	+2·60	+2·20	+1·60	+1·06	+0·31	-0·30	-1·19	-1·77	-2·10	-2·01	-1·63	-1·05	-0·82	-0·67
July	-0·63	-0·37	-0·66	-0·50	-0·40	-0·18	+0·30	+1·00	+1·74	+2·42	+2·61	+2·07	+1·31	+0·70	-0·10	-0·72	-1·00	-1·52	-1·67	-1·52	-1·01	-0·79	-0·50	-0·58
August	-0·57	-0·41	-0·38	-0·31	-0·38	-0·20	+0·22	+0·70	+1·31	+1·80	+2·04	+1·78	+1·14	+0·67	+0·09	-0·13	-0·58	-1·19	-1·34	-1·32	-1·00	-0·78	-0·59	-0·57
September	-0·90	-0·82	-0·82	-0·72	-0·77	-0·67	-0·33	+0·25	+1·05	+1·90	+2·30	+2·08	+1·51	+0·79	+0·49	+0·13	-0·06	-0·33	-0·61	-0·87	-0·89	-0·95	-0·91	-0·85
October	-0·60	-0·72	-0·85	-1·05	-1·00	-1·04	-0·90	-0·36	+0·62	+1·45	+1·76	+1·79	+1·42	+0·90	+0·59	+0·32	+0·02	-0·15	-0·23	-0·29	-0·34	-0·37	-0·50	-0·47
November	-0·41	-0·19	-0·29	-0·48	-0·60	-0·86	-0·77	-0·40	+0·13	+0·71	+1·03	+1·17	+1·15	+0·92	+0·58	+0·26	+0·08	-0·21	-0·29	-0·17	-0·30	-0·38	-0·36	-0·32
December	-0·12	-0·19	-0·19	-0·32	-0·49	-0·57	-0·59	-0·37	-0·07	+0·32	+0·67	+0·74	+0·67	+0·41	+0·31	+0·11	+0·17	0·00	-0·22	-0·12	0·00	+0·02	0·00	-0·17
Year	-0·48	-0·44	-0·46	-0·46	-0·47	-0·44	-0·24	+0·16	+0·76	+1·28	+1·59	+1·51	+1·15	+0·69	+0·29	+0·01	-0·29	-0·63	-0·81	-0·78	-0·58	-0·49	-0·42	-0·45
Winter	-0·14	-0·21	-0·17	-0·27	-0·43	-0·60	-0·58	-0·44	-0·10	+0·23	+0·57	+0·72	+0·65	+0·39	+0·27	+0·19	+0·21	+0·02	-0·14	-0·06	+0·09	-0·05	-0·03	-0·11
Equinox	-0·68	-0·63	-0·68	-0·71	-0·69	-0·63	-0·51	-0·08	+0·68	+1·39	+1·84	+1·86	+1·47	+0·87	+0·45	+0·19	-0·17	-0·40	-0·55	-0·63	-0·63	-0·57	-0·56	-0·62
Summer	-0·63	-0·49	-0·53	-0·39	-0·30	-0·08	+0·38	+1·01	+1·70	+2·21	+2·37	+1·96	+1·33	+0·85	+0·13	-0·34	-0·91	-1·51	-1·75	-1·64	-1·20	-0·87	-0·70	-0·63
322 ESKDALEMUIR											**HORIZONTAL FORCE (ALL DAYS)**													1936
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-1·0	0·0	-1·0	-0·9	+2·8	+6·5	+5·7	+4·9	+0·5	-2·3	-5·9	-8·4	-8·7	-3·0	-1·8	-2·1	+1·5	+1·7	+3·8	+3·7	-0·6	+1·8	+1·4	+1·4
February	+1·0	+3·4	+0·4	+1·8	+2·3	+3·6	+3·9	+5·1	+2·1	-0·7	-7·0	-10·2	-7·2	-2·7	-0·7	+0·8	-2·5	+1·5	+4·5	+2·2	-0·8	+1·1	-1·2	-0·7
March	+4·7	+2·4	+3·5	+4·9	+5·3	+5·4	+5·4	+4·7	-2·8	-12·1	-21·5	-24·7	-21·0	-12·7	-5·5	-0·7	+2·4	+7·3	+11·1	+12·4	+10·6	+8·7	+5·9	+6·3
April	+5·6	+4·4	+4·6	+4·5	+5·0	+2·9	+4·0	-2·6	-13·8	-23·4	-33·0	-36·8	-31·4	-18·8	-3·5	+3·3	+17·4	+23·7	+23·9	+21·5	+17·8	+10·8	+7·2	+6·7
May	+8·9	+5·4	+5·5	+3·5	+3·0	-0·1	-6·5	-16·6	-28·1	-35·3	-37·9	-32·8	-24·9	-15·5	-3·0	+5·6	+17·0	+28·5	+34·4	+30·8	+21·8	+14·8	+11·7	+9·8
June	+7·4	+7·7	+6·0	+3·0	-1·0	-2·2	-8·9	-18·8	-29·8	-38·8	-41·8	-37·2	-27·4	-17·3	-4·4	+6·5	+21·4	+31·3	+36·5	+35·5	+29·1	+19·9	+13·7	+9·6
July	+6·5	+1·3	+5·6	+4·0	+4·3	+1·5	-4·7	-14·4	-25·6	-37·3	-42·0	-35·1	-24·0	-12·8	+1·9	+14·2	+20·2	+29·0	+31·2	+28·5	+18·8	+13·9	+7·6	+7·4
August	+8·1	+5·5	+4·6	+3·8	+5·3	+3·5	-2·4	-9·4	-19·6	-28·3	-33·7	-31·2	-22·4	-13·6	-2·3	+3·0	+10·9	+20·7	+23·3	+23·5	+18·0	+13·6	+10·2	+8·9
September	+13·3	+11·8	+11·4	+9·8	+10·5	+9·2	+5·2	-2·7	-14·7	-28·3	-36·3	-34·9	-26·9	-15·0	-8·2	-0·8	+3·3	+7·8	+11·6	+15·3	+15·2	+15·7	+14·7	+13·0
October	+7·0	+7·7	+8·4	+11·2	+11·1	+12·3	+11·4	+5·1	-8·3	-21·6	-27·3	-28·1	-22·4	-13·7	-7·1	-1·5	+3·9	+6·7	+8·0	+8·1	+8·3	+7·5	+7·3	+6·0
November	+4·9	+0·4	+1·3	+3·6	+5·6	+9·6	+8·9	+4·6	-2·7	-11·0	-16·3	-18·3	-17·5	-13·1	-6·4	-0·8	+2·1	+6·7	+7·1	+6·1	+7·2	+7·5	+5·9	+4·6
December	+1·6	+1·9	+1·2	+3·4	+5·2	+6·3	+7·0	+4·3	+0·1	-5·5	-10·8	-12·0	-10·4	-5·6	-3·3	+0·3	0·0	+2·2	+4·4	+3·0	+1·7	+0·9	+1·2	+2·9
Year	+5·7	+4·3	+4·3	+4·4	+4·9	+4·9	+2·4	-3·0	-11·9	-20·4	-26·1	-25·8	-20·3	-12·0	-3·7	+2·3	+8·1	+13·9	+16·7	+15·9	+12·3	+9·7	+7·1	+6·3
Winter	+1·6	+1·4	+0·5	+2·0	+4·0	+6·5	+6·4	+4·7	0·0	-4·9	-10·0	-12·2	-10·9	-6·1	-3·1	-0·5	+0·3	+3·0	+4·9	+3·7	+1·9	+2·8	+1·8	+2·1
Equinox	+7·7	+6·6	+7·0	+7·6	+8·0	+7·5	+6·5	+1·1	-9·9	-21·3	-29·5	-31·1	-25·4	-15·1	-6·1	+0·1	+6·7	+11·4	+13·7	+14·3	+13·0	+10·7	+8·8	+8·0
Summer	+7·7	+5·0	+5·4	+3·6	+2·9	+0·7	-5·6	-14·8	-25·8	-34·9	-38·9	-34·1	-24·7	-14·8	-1·9	+7·3	+17·4	+27·4	+31·3	+29·6	+21·9	+15·5	+10·8	+8·9

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE
(INTERNATIONAL QUIET DAYS)

Departures from the mean of the 24 hourly values (uncorrected for non-cyclic change)

323 ESKDALEMUIR — NORTH COMPONENT (QUIET DAYS) — 1936

MONTH AND SEASON	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+0·5	+1·3	+1·5	+1·2	+3·0	+4·1	+4·5	+3·9	+1·7	-4·9	-7·9	-12·4	-12·4	-6·6	-4·1	-3·7	-2·1	+0·5	+3·6	+4·1	+6·9	+7·4	+5·8	+3·9
February	+0·8	+1·2	+1·6	+3·6	+4·4	+4·9	+4·3	+4·9	+3·4	-0·1	-6·6	-10·5	-9·9	-9·3	-5·1	-3·5	-3·4	-1·0	+2·3	+3·5	+3·4	+4·9	+3·1	+3·0
March	+4·3	+3·9	+4·7	+4·0	+5·0	+6·2	+6·1	+8·7	+6·6	-0·5	-12·7	-17·7	-20·4	-18·1	-15·1	-10·4	-4·8	+0·8	+5·6	+8·0	+8·9	+9·1	+9·1	+8·6
April	+7·9	+8·4	+6·3	+8·2	+9·0	+10·6	+15·1	+12·4	+2·9	-13·7	-29·8	-39·1	-38·5	-29·9	-19·1	-11·0	-0·7	+11·5	+17·1	+16·1	+16·3	+13·1	+12·8	+13·9
May	+9·6	+8·3	+8·0	+9·6	+11·3	+11·3	+4·3	-6·0	-18·7	-30·7	-35·4	-37·1	-31·1	-21·9	-10·0	+1·7	+10·0	+20·6	+22·0	+20·7	+16·7	+14·1	+12·1	+10·8
June	+8·6	+7·1	+4·9	+6·1	+8·4	+8·4	+5·9	-0·3	-11·5	-23·4	-33·4	-35·8	-33·4	-31·2	-19·7	-3·5	+8·1	+21·7	+30·7	+26·5	+19·8	+13·4	+10·6	+11·7
July	+4·3	+3·4	+4·8	+5·6	+7·3	+6·1	+1·9	-4·0	-13·5	-24·3	-35·0	-34·1	-29·4	-19·5	-12·1	+2·8	+14·6	+20·4	+24·5	+21·1	+19·4	+15·1	+10·8	+9·9
August	+8·6	+8·3	+8·1	+7·1	+7·9	+7·7	+4·6	-2·3	-12·3	-23·8	-31·3	-34·6	-30·6	-22·3	-10·5	-2·2	+6·3	+16·3	+20·1	+20·1	+16·1	+14·9	+13·4	+10·5
September	+10·2	+9·9	+9·5	+10·7	+10·6	+9·5	+6·6	-0·9	-12·7	-27·2	-35·4	-37·7	-30·9	-20·4	-9·8	+0·5	+5·3	+9·1	+13·2	+16·0	+16·5	+16·3	+15·1	+15·8
October	+6·8	+6·7	+6·5	+8·0	+9·3	+9·7	+9·3	+6·8	-1·3	-14·1	-24·1	-29·4	-26·8	-19·8	-11·3	-5·2	-2·0	+5·1	+9·9	+11·3	+11·1	+11·9	+11·2	+10·7
November	+4·1	+3·7	+2·7	+2·6	+4·8	+6·1	+6·3	+5·2	-0·1	-6·7	-12·7	-15·9	-14·2	-11·3	-8·4	-5·3	-1·0	+2·7	+5·2	+6·4	+6·5	+7·3	+6·8	+5·3
December	+2·8	+4·1	+1·8	+1·6	+1·1	+5·2	+5·8	+3·7	+0·6	-6·6	-12·0	-13·0	-12·6	-9·1	-6·9	-2·5	-0·6	+3·4	+5·3	+4·6	+5·5	+4·9	+5·3	+6·4
Year	+5·7	+5·5	+5·0	+5·7	+6·8	+7·5	+6·2	+2·7	-4·6	-14·7	-23·0	-26·4	-24·2	-18·3	-11·0	-3·5	+2·6	+9·3	+13·3	+13·2	+12·3	+11·0	+9·7	+9·2
Winter	+2·1	+2·6	+1·9	+2·3	+3·3	+5·1	+5·2	+4·4	+1·4	-4·6	-9·8	-12·9	-12·3	-9·1	-6·1	-3·7	-1·5	+1·4	+4·1	+4·7	+5·6	+6·1	+5·3	+4·7
Equinox	+7·3	+7·2	+6·7	+7·7	+8·5	+9·0	+9·3	+6·7	-1·1	-13·9	-25·5	-31·0	-29·1	-22·1	-13·8	-6·5	-0·5	+6·6	+11·5	+12·9	+13·2	+12·6	+12·1	+12·3
Summer	+7·8	+6·8	+6·5	+7·1	+8·7	+8·4	+4·2	-3·1	-14·0	-25·5	-33·8	-35·4	-31·1	-23·7	-13·1	-0·3	+9·7	+19·7	+24·3	+22·1	+18·0	+14·4	+11·7	+10·7

324 ESKDALEMUIR — WEST COMPONENT (QUIET DAYS) — 1936

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-6·7	-4·3	-3·8	-3·9	-3·6	-2·8	-2·8	-3·6	-6·1	-5·8	-1·1	+1·3	+6·4	+12·3	+11·0	+8·3	+7·6	+6·0	+5·2	+2·2	-2·3	-1·4	-4·8	-7·3
February	-8·4	-3·3	-5·1	-5·5	-7·1	-5·3	-5·1	-5·0	-3·8	-2·8	-0·9	+4·2	+8·6	+12·1	+10·8	+8·5	+7·4	+6·1	+3·3	+3·2	-0·6	-1·6	-4·4	-5·5
March	-4·7	-4·1	-4·3	-6·0	-6·3	-6·9	-6·9	-7·7	-13·5	-17·1	-13·0	+1·6	+14·0	+19·6	+19·1	+13·5	+8·1	+5·0	+3·8	+3·6	+2·3	+1·0	-0·3	-0·8
April	+1·3	-0·8	-2·4	-0·9	-3·9	-8·0	-13·9	-25·0	-29·9	-27·5	-17·3	-0·1	+19·4	+30·2	+28·1	+19·8	+11·2	+5·2	+1·7	+1·4	+2·5	+2·1	+3·1	+3·8
May	-1·7	-4·4	-3·9	-6·2	-10·4	-18·4	-26·1	-33·5	-36·1	-26·9	-7·3	+10·8	+26·9	+31·0	+25·6	+20·5	+13·5	+11·1	+9·1	+7·8	+7·2	+6·3	+4·0	+0·9
June	+3·4	-0·1	-3·3	-8·6	-11·9	-16·5	-26·3	-31·5	-35·2	-31·3	-19·4	-5·6	+10·5	+19·8	+24·5	+25·7	+23·3	+18·9	+16·7	+13·3	+10·9	+9·7	+7·1	+5·7
July	+1·3	-0·1	-2·3	-5·8	-10·9	-19·5	-26·0	-28·9	-30·4	-27·5	-17·3	-0·5	+18·0	+28·4	+28·3	+25·5	+19·1	+12·8	+9·6	+8·4	+5·3	+3·7	+4·2	+4·7
August	+0·7	-0·5	-4·1	-5·7	-9·0	-18·0	-25·4	-31·1	-33·0	-30·4	-19·8	-2·2	+17·2	+25·2	+26·0	+21·3	+17·6	+14·1	+10·1	+10·3	+9·8	+8·6	+6·2	+12·4
Septerber	-4·3	-2·8	-4·6	-6·3	-8·8	-12·0	-17·4	-24·4	-28·2	-25·1	-11·8	+7·7	+22·5	+28·1	+25·1	+17·1	+9·6	+5·5	+6·2	+6·1	+5·9	+4·6	+3·8	+3·6
October	-3·9	-2·4	-3·0	-3·7	-3·9	-5·7	-9·3	-14·0	-21·0	-23·7	-11·3	+4·5	+14·3	+21·9	+21·0	+14·1	+8·7	+5·9	+6·2	+3·8	+2·6	+1·6	-0·7	-2·3
November	-4·5	-4·0	-4·2	-3·5	-3·1	-3·8	-5·4	-6·5	-9·2	-9·9	-3·0	+5·0	+10·8	+11·0	+11·1	+9·4	+6·4	+5·7	+2·8	+1·3	-0·2	-1·2	-2·1	-2·9
December	-4·7	-5·3	-5·0	-4·0	-2·8	-1·5	-3·7	-5·0	-7·8	-9·9	-4·8	+2·6	+9·3	+12·7	+12·3	+9·7	+6·8	+4·1	+2·9	+2·3	+0·1	-1·0	-3·1	-4·2
Year	-2·7	-2·7	-3·8	-5·0	-6·8	-9·9	-14·0	-18·0	-21·2	-19·8	-10·6	+2·4	+14·8	+21·0	+20·2	+16·1	+11·6	+8·4	+6·5	+5·3	+3·6	+2·7	+1·1	+0·7
Winter	-6·1	-4·2	-4·5	-4·2	-4·1	-3·3	-4·3	-5·0	-6·7	-7·1	-2·5	+3·3	+8·8	+12·0	+11·3	+9·0	+7·1	+5·5	+3·5	+2·3	-0·7	-1·3	-3·6	-5·0
Equinox	-2·9	-2·5	-3·6	-4·2	-5·7	-8·1	-11·9	-17·8	-23·1	-23·3	-13·3	+3·4	+17·5	+24·9	+23·3	+16·1	+9·4	+5·4	+4·5	+3·7	+3·3	+2·3	+1·5	+1·1
Summer	+0·9	-1·3	-3·4	-6·6	-10·5	-18·1	-25·9	-31·3	-33·7	-29·0	-15·9	+0·6	+18·1	+26·1	+26·1	+23·3	+18·4	+14·2	+11·4	+9·9	+8·3	+7·1	+5·4	+5·9

325 ESKDALEMUIR — VERTICAL COMPONENT (QUIET DAYS) — 1936

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+1·0	+0·1	-0·6	-1·3	-1·5	-1·2	-1·9	-1·1	0·0	+0·1	+0·2	+0·3	-2·6	-2·9	-0·8	+0·5	+1·3	+1·4	+1·7	+1·9	+2·0	+0·5	+1·4	+1·5
February	+1·8	+0·6	+1·4	+1·6	+0·8	-0·3	-0·8	-2·6	-2·8	-2·4	-4·4	-5·4	-6·4	-5·4	-2·6	+0·6	+2·4	+3·5	+3·8	+4·4	+3·8	+3·2	+3·0	+2·2
March	+4·1	+3·4	+3·5	+3·2	+2·3	+2·2	+0·3	-0·4	+0·3	-1·4	-7·3	-10·8	-12·7	-9·0	-3·9	+2·2	+4·5	+3·4	+2·9	+2·6	+2·5	+3·0	+2·5	+2·6
April	+3·4	+3·5	+3·8	+3·3	+2·1	+3·2	+3·3	+3·9	+2·8	-2·7	-7·4	-13·9	-16·6	-12·9	-6·2	-0·9	+2·3	+5·4	+5·9	+6·3	+4·4	+3·5	+2·6	+0·9
May	+3·0	+3·2	+3·7	+4·2	+5·4	+5·8	+6·6	+6·0	+1·3	-6·2	-12·6	-18·2	-18·4	-12·6	-5·7	-0·8	+4·0	+6·6	+6·2	+5·4	+3·9	+3·0	+3·0	+3·2
June	+2·7	+2·2	+1·9	+4·9	+3·9	+4·6	+5·5	+4·1	+0·1	-4·2	-10·1	-16·3	-16·3	-11·6	-8·5	-5·5	+0·7	+4·0	+6·9	+9·1	+8·7	+7·6	+3·7	+1·9
July	+0·6	+0·6	+0·7	+2·8	+5·6	+4·4	+5·6	+2·3	-3·6	-3·6	-10·2	-14·8	-18·6	-14·4	-8·3	-3·8	+3·0	+8·0	+10·4	+9·2	+7·3	+6·0	+1·4	0·0
August	+0·7	+0·8	+1·5	+3·5	+5·5	+6·4	+7·3	+6·3	+2·3	-5·0	-8·5	-14·7	-16·3	-11·6	-3·3	+1·3	+5·1	+5·2	+4·9	+4·1	+2·9	+1·0	+0·3	+0·3
September	+2·1	+1·7	+2·5	+2·7	+2·7	+3·6	+6·1	+6·5	+5·1	+1·9	-6·3	-12·5	-13·5	-11·7	-5·5	-1·1	+0·5	+1·0	+1·7	+2·5	+2·9	+3·1	+2·3	+1·7
October	+0·3	+0·6	-0·1	-0·2	-0·4	-0·3	+1·0	+4·0	+4·5	+2·6	-2·9	-6·2	-6·3	-4·6	-2·5	+2·2	+3·2	+2·3	+0·6	+0·6	+0·7	+0·4	+0·1	+0·4
November	-1·3	-1·0	-0·9	-1·0	-0·5	-0·4	-0·5	+0·4	+1·5	+0·2	-3·1	-3·0	-2·5	-1·2	+0·7	+3·0	+3·3	+2·0	+1·1	+1·2	+1·3	+0·6	+0·5	-0·4
December	+1·2	+0·4	0·0	-0·6	-0·8	-1·7	-1·2	-0·6	+1·2	+0·8	-1·0	-2·2	-2·8	-1·0	+0·4	+1·0	+1·6	+0·9	+0·8	+0·6	+0·6	+1·2	+1·0	+0·2
Year	+1·6	+1·3	+1·5	+1·9	+2·1	+2·3	+2·5	+2·7	+1·5	-1·7	-6·1	-9·8	-11·1	-8·2	-3·9	-0·1	+2·7	+3·6	+3·9	+4·0	+3·4	+2·8	+1·8	+1·2
Winter	+0·7	0·0	0·0	-0·3	-0·5	-0·9	-1·1	-1·0	0·0	-0·3	-2·1	-2·6	-3·6	-2·6	-0·6	+1·3	+2·1	+1·9	+1·9	+2·0	+1·9	+1·4	+1·5	+0·9
Equinox	+2·5	+2·3	+2·4	+2·3	+1·7	+2·2	+2·7	+3·5	+3·2	+0·1	-6·0	-10·9	-12·3	-9·5	-4·5	+0·6	+2·6	+3·0	+2·8	+3·0	+2·6	+2·5	+1·9	+1·4
Summer	+1·7	+1·7	+1·9	+3·9	+5·1	+5·7	+5·9	+5·5	+1·5	-4·7	-10·3	-16·0	-17·4	-12·5	-6·5	-2·2	+3·2	+5·9	+7·1	+6·9	+5·7	+4·4	+2·1	+1·3

DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE - (INTERNATIONAL QUIET DAYS)

Departures from the mean of the 24 hourly values (uncorrected for non-cyclic change)

DECLINATION (measured positive towards the West) (QUIET DAYS)

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MONTH AND SEASON	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	-1·39	-0·94	-0·85	-0·84	-0·87	-0·76	-0·79	-0·92	-1·31	-0·94	+0·17	+0·88	+1·91	+2·80	+2·43	+1·86	+1·65	+1·18	+0·87	+0·24	-0·81	-0·64	-1·25	-1·68
February	-1·73	-0·72	-1·11	-1·28	-1·64	-1·31	-1·24	-1·26	-0·93	-0·56	+0·13	+1·36	+2·23	+2·90	+2·43	+1·90	+1·66	+1·29	+0·56	+0·48	-0·29	-0·56	-1·05	-1·26
March	-1·17	-1·01	-1·11	-1·41	-1·51	-1·69	-1·69	-1·99	-3·05	-3·43	-2·01	+1·19	+3·83	+4·85	+4·61	+3·25	+1·87	+0·97	+0·49	+0·33	+0·03	-0·25	-0·51	-0·59
April	-0·12	-0·58	-0·80	-0·58	-1·24	-2·14	-3·56	-5·66	-6·18	-4·90	-2·04	+1·90	+5·82	+7·58	+6·62	+4·54	+2·30	+0·48	-0·50	-0·50	-0·30	-0·22	0·00	+0·08
May	-0·81	-1·29	-1·18	-1·73	-2·65	-4·27	-5·49	-6·49	-6·38	-3·93	+0·27	+4·01	+6·97	+7·35	+5·66	+4·07	+2·25	+1·23	+0·75	+0·57	+0·64	+0·59	+0·21	-0·35
June	+0·27	-0·38	-0·91	-2·03	-2·81	-3·74	-5·61	-6·35	-6·55	-5·18	-2·29	+0·63	+3·77	+5·54	+5·93	+5·37	+4·31	+2·76	+1·87	+1·39	+1·23	+1·30	+0·91	+0·57
July	+0·05	-0·18	-0·69	-1·45	-2·57	-4·24	-5·35	-5·65	-5·49	-4·36	-1·77	+1·57	+5·09	+6·70	+6·31	+5·01	+3·15	+1·58	+0·73	+0·67	+0·11	0·00	+0·31	+0·47
August	-0·29	-0·51	-1·23	-1·51	-2·21	-4·02	-5·37	-6·17	-6·07	-4·97	-2·47	+1·25	+4·99	+6·19	+5·77	+4·41	+3·25	+2·04	+1·05	+1·09	+1·19	+1·01	+0·59	+1·99
September	-1·38	-1·05	-1·40	-1·80	-2·30	-2·89	-3·84	-4·90	-5·08	-3·75	-0·64	+3·40	+6·06	+6·69	+5·56	+3·44	+1·68	+0·67	+0·80	+0·44	+0·38	+0·13	+0·02	-0·04
October	-1·12	-0·81	-0·92	-1·13	-1·25	-1·62	-2·33	-3·15	-4·18	-4·11	-1·10	+2·35	+4·22	+5·41	+4·80	+3·11	+1·87	+0·94	+0·77	+0·21	-0·02	-0·25	-0·70	-0·99
November	-1·10	-0·99	-0·98	-0·83	-0·87	-1·06	-1·41	-1·57	-1·86	-1·67	+0·02	+1·79	+2·88	+2·77	+2·66	+2·15	+1·35	+1·02	+0·31	-0·05	-0·36	-0·59	-0·76	-0·85
December	-1·08	-1·27	-1·10	-0·89	-0·62	-0·57	-1·04	-1·19	-1·60	-1·67	-0·38	+1·17	+2·50	+3·01	+2·82	+2·09	+1·34	+0·65	+0·32	+0·25	-0·24	-0·45	-0·88	-1·17
Year	-0·82	-0·81	-1·02	-1·29	-1·71	-2·36	-3·14	-3·77	-4·06	-3·29	-1·01	+1·79	+4·19	+5·15	+4·63	+3·43	+2·22	+1·22	+0·65	+0·43	+0·13	+0·01	-0·26	-0·32
Winter	-1·33	-0·98	-1·01	-0·96	-1·00	-0·93	-1·12	-1·23	-1·43	-1·21	-0·01	+1·30	+2·38	+2·87	+2·59	+2·00	+1·50	+1·03	+0·51	+0·23	-0·43	-0·56	-0·99	-1·24
Equinox	-0·95	-0·86	-1·06	-1·23	-1·57	-2·09	-2·85	-3·93	-4·62	-4·05	-1·45	+2·21	+4·98	+6·13	+5·40	+3·59	+1·93	+0·77	+0·34	+0·12	+0·02	-0·15	-0·30	-0·39
Summer	-0·19	-0·59	-1·00	-1·68	-2·56	-4·07	-5·45	-6·17	-6·12	-4·61	-1·57	+1·87	+5·21	+6·45	+5·92	+4·71	+3·24	+1·90	+1·10	+0·93	+0·79	+0·73	+0·51	+0·67

INCLINATION (QUIET DAYS)

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	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	+0·10	-0·02	-0·06	-0·05	-0·18	-0·26	-0·29	-0·22	-0·02	+0·41	+0·53	+0·80	+0·64	+0·16	+0·08	+0·13	+0·05	-0·09	-0·27	-0·25	-0·37	-0·45	-0·27	-0·10
February	+0·11	-0·01	0·00	-0·11	-0·16	-0·24	-0·22	-0·31	-0·23	0·00	+0·34	+0·49	+0·40	+0·28	+0·09	+0·10	+0·16	+0·05	-0·10	-0·18	-0·12	-0·22	-0·06	-0·06
March	-0·11	-0·10	-0·16	-0·09	-0·17	-0·24	-0·28	-0·45	-0·20	+0·27	+0·85	+0·87	+0·79	+0·64	+0·59	+0·52	+0·30	-0·05	-0·36	-0·51	-0·56	-0·54	-0·53	-0·48
April	-0·46	-0·45	-0·28	-0·44	-0·48	-0·49	-0·69	-0·32	+0·35	+1·26	+2·05	+2·20	+1·83	+1·16	+0·65	+0·38	-0·07	-0·70	-1·00	-0·93	-1·00	-0·80	-0·82	-0·95
May	-0·52	-0·39	-0·37	-0·43	-0·44	-0·30	+0·29	+1·07	+1·83	+2·29	+2·13	+1·80	+1·15	+0·64	+0·10	-0·47	-0·78	-1·36	-1·42	-1·34	-1·10	-0·95	-0·79	-0·64
June	-0·56	-0·41	-0·22	-0·14	-0·29	-0·17	+0·16	+0·62	+1·31	+1·94	+2·24	+2·04	+1·64	+1·44	+0·69	-0·32	-0·89	-1·60	-2·10	-1·72	-1·26	-0·85	-0·71	-0·84
July	-0·30	-0·21	-0·27	-0·21	-0·18	+0·05	+0·40	+0·87	+1·62	+1·79	+2·30	+1·89	+1·17	+0·48	+0·15	-0·70	-1·19	-1·33	-1·50	-1·29	-1·18	-0·89	-0·75	-0·72
August	-0·57	-0·51	-0·42	-0·30	-0·24	-0·07	+0·27	+0·81	+1·39	+1·92	+2·19	+1·95	+1·34	+0·78	+0·21	-0·17	-0·57	-1·18	-1·35	-1·38	-1·14	-1·10	-0·98	-0·90
September	-0·55	-0·57	-0·50	-0·53	-0·50	-0·33	0·00	+0·60	+1·41	+2·23	+2·36	+2·05	+1·33	+0·60	+0·11	-0·32	-0·49	-0·87	-0·92	-1·09	-1·10	-1·07	-1·00	-1·05
October	-0·38	-0·38	-0·38	-0·49	-0·57	-0·57	-0·42	-0·12	+0·53	+1·38	+1·70	+1·71	+1·38	+0·85	+0·34	+0·17	+0·07	-0·37	-0·72	-0·79	-0·76	-0·80	-0·72	-0·66
November	-0·22	-0·20	-0·14	-0·13	-0·29	-0·34	-0·33	-0·21	+0·12	+0·60	+0·80	+0·90	+0·70	+0·52	+0·39	+0·28	+0·05	-0·22	-0·36	-0·40	-0·39	-0·43	-0·40	-0·30
December	-0·03	-0·13	0·00	-0·01	0·00	-0·31	-0·30	-0·13	+0·16	+0·64	+0·89	+0·79	+0·65	+0·42	+0·32	+0·08	-0·06	-0·22	-0·61	-0·56	-0·57	-0·50	-0·22	-0·30
Year	-0·29	-0·28	-0·23	-0·24	-0·29	-0·27	-0·12	+0·18	+0·69	+1·23	+1·53	+1·46	+1·09	+0·66	+0·31	-0·03	-0·29	-0·64	-0·89	-0·87	-0·80	-0·72	-0·60	-0·58
Winter	-0·01	-0·09	-0·05	-0·07	-0·16	-0·29	-0·20	-0·22	+0·01	+0·41	+0·64	+0·75	+0·60	+0·35	+0·22	+0·15	+0·05	-0·12	-0·33	-0·35	-0·36	-0·40	-0·24	-0·19
Equinox	-0·37	-0·37	-0·33	-0·39	-0·43	-0·41	-0·35	-0·07	+0·52	+1·29	+1·74	+1·71	+1·33	+0·81	+0·42	+0·19	-0·05	-0·45	-0·75	-0·83	-0·85	-0·80	-0·77	-0·79
Summer	-0·49	-0·38	-0·32	-0·27	-0·29	-0·12	+0·28	+0·84	+1·51	+1·99	+2·21	+1·92	+1·33	+0·83	+0·29	-0·41	-0·86	-1·36	-1·59	-1·43	-1·17	-0·95	-0·81	-0·77

HORIZONTAL FORCE (QUIET DAYS)

328 ESKDALEMUIR 1936

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-1·1	+0·3	+0·6	+0·3	+2·1	+3·3	+3·7	+2·9	+0·2	-6·1	-7·9	-11·7	-10·5	-3·5	-1·4	-1·7	-0·3	+1·9	+4·7	+4·5	+6·2	+6·9	+4·5	+2·1
February	-1·2	+0·4	+0·4	+2·2	+2·6	+3·5	+3·0	+3·6	+2·4	-0·8	-6·6	-9·2	-7·6	-6·2	-2·4	-1·4	-1·6	+0·5	+3·0	+4·2	+3·2	+4·4	+2·0	+1·6
March	+3·1	+2·8	+3·6	+2·5	+3·4	+4·4	+4·3	+6·6	+3·2	-4·5	-15·4	-16·8	-16·5	-13·0	-10·2	-6·9	-2·8	+2·0	+6·3	+8·6	+9·2	+9·1	+8·8	+8·2
April	+8·0	+8·0	+5·6	+7·8	+7·8	+8·4	+11·4	+6·2	-4·2	-19·8	-33·0	-38·0	-32·8	-22·0	-12·0	-6·0	+2·0	+12·4	+17·0	+16·0	+16·4	+13·2	+13·2	+14·4
May	+8·9	+7·0	+6·9	+7·9	+8·5	+6·6	-1·9	-13·7	-26·7	-36·2	-36·1	-33·5	-23·9	-14·0	-3·7	+6·5	+12·9	+22·6	+23·5	+21·9	+17·9	+15·2	+12·7	+10·7
June	+9·2	+6·9	+4·0	+3·9	+5·4	+4·3	-0·4	-7·7	-19·4	-30·1	-37·0	-36·1	-30·0	-25·7	-13·4	+2·7	+13·4	+25·5	+33·8	+28·9	+21·8	+15·3	+12·0	+12·7
July	+4·5	+3·3	+4·1	+4·1	+4·5	+1·4	-4·3	-10·7	-20·3	-30·1	-38·1	-33·3	-24·3	-12·3	-5·1	+8·7	+18·7	+22·8	+26·1	+22·5	+20·1	+15·5	+11·5	+10·7
August	+8·5	+7·9	+6·9	+5·5	+5·5	+3·2	-1·5	-9·5	-19·7	-30·3	-35·1	-34·1	-25·7	-15·7	-4·1	+2·9	+10·3	+19·2	+21·9	+21·9	+17·9	+16·5	+14·5	+13·1
September	+8·9	+9·0	+8·2	+8·9	+8·2	+6·4	+2·3	-6·6	-19·0	-32·3	-37·2	-34·8	-24·7	-13·2	-3·6	+4·5	+7·4	+10·2	+14·3	+17·0	+17·4	+16·9	+15·6	+16·2
October	+5·7	+5·9	+5·6	+6·9	+8·1	+8·1	+6·9	+3·1	-6·2	-19·3	-26·1	-27·5	-22·7	-14·1	-6·0	-1·7	+0·1	+6·3	+11·1	+11·9	+11·4	+11·9	+10·7	+9·9
November	+2·9	+2·6	+1·7	+1·7	+3·9	+5·0	+4·9	+3·5	-2·3	-8·8	-13·1	-14·3	-11·3	-8·4	-5·5	-2·9	+0·5	+4·0	+5·7	+6·5	+6·3	+6·8	+6·1	+4·5
December	+1·6	+2·7	+0·6	+0·6	+0·4	+4·7	+4·8	+2·4	-1·2	-8·7	-12·8	-12·0	-10·0	-5·9	-3·8	-0·2	+2·2	+4·3	+5·8	+5·0	+5·4	+4·5	+4·4	+5·2
Year	+4·9	+4·7	+4·0	+4·4	+5·0	+4·9	+2·8	-1·7	-9·4	-18·9	-24·9	-25·1	-20·0	-12·8	-5·9	+0·4	+5·2	+11·0	+14·4	+14·1	+12·8	+11·3	+9·7	+9·1
Winter	+0·5	+1·5	+0·8	+1·2	+2·3	+4·1	+4·1	+3·1	-0·2	-6·1	-10·1	-11·8	-9·9	-6·0	-3·3	-1·5	+0·2	+2·7	+4·8	+5·1	+5·3	+5·7	+4·3	+3·3
Equinox	+6·4	+6·4	+5·7	+6·5	+6·9	+6·8	+6·2	+2·3	-6·5	-19·0	-27·9	-29·3	-24·2	-15·6	-7·9	-2·5	+1·7	+7·7	+12·2	+13·4	+13·6	+12·8	+12·1	+12·2
Summer	+7·8	+6·3	+5·5	+5·3	+6·0	+3·9	-2·0	-10·4	-21·5	-31·7	-36·6	-34·3	-26·0	-16·9	-6·6	+5·2	+13·8	+22·5	+26·3	+23·8	+19·4	+15·6	+12·7	+11·8

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE - (INTERNATIONAL DISTURBED DAYS)

Departures from the mean of the 24 hourly values (uncorrected for non-cyclic change)

NORTH COMPONENT (DISTURBED DAYS)

329 ESKDALEMUIR 1936

MONTH AND SEASON	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+5·9	+3·9	+3·6	0·0	+6·1	+14·0	+11·4	+10·7	+6·8	+2·0	-4·3	-9·4	-16·9	-11·5	-10·3	-9·7	-2·9	-4·4	-3·5	-1·5	-2·1	-8·9	-0·8	+4·0
February	+8·3	+15·3	+7·7	+13·7	+6·0	+9·3	+5·2	+4·7	-1·2	-0·6	-4·9	-20·5	-14·9	-8·9	-17·2	-12·6	-5·3	-0·7	+13·5	+4·1	-2·8	+5·3	-2·1	-1·3
March	+17·5	+8·0	+7·6	+11·2	+11·8	+9·7	+2·0	+7·5	-3·3	-19·8	-32·8	-35·7	-26·7	-22·8	-13·6	-3·8	+5·2	+5·2	+15·0	+20·1	+11·5	+11·0	+7·1	+8·1
April	-8·4	-1·5	+17·2	+8·6	+11·4	-1·6	-6·1	-19·0	-31·9	-39·0	-43·9	-42·1	-40·0	-25·3	+2·2	+10·2	+27·6	+42·2	+44·1	+43·4	+28·1	+16·7	+8·3	-1·1
May	+16·3	+1·6	+6·3	+3·1	+4·6	+3·5	-2·0	-18·0	-27·2	-31·6	-41·9	-37·8	-33·8	-22·5	-13·2	-1·9	+20·5	+30·3	+42·3	+49·1	+30·0	+13·8	+4·1	+4·2
June	+21·9	+27·6	+20·2	+1·4	-20·4	-14·3	-27·8	-41·7	-51·7	-60·0	-50·3	-39·6	-15·7	-8·0	-3·9	+9·4	+21·8	+42·1	+53·6	+49·6	+41·4	+21·3	+15·5	+7·5
July	+12·3	+2·0	+15·5	+10·3	+9·9	+0·6	+3·6	-4·8	-22·5	-35·9	-41·2	-34·7	-29·8	-19·1	+20·5	+28·8	+9·6	+26·0	+33·1	+26·6	+8·3	+1·7	-12·3	-8·6
August	+11·3	+3·8	+4·2	+3·8	+16·3	+9·8	+0·4	-5·3	-18·4	-26·1	-34·1	-32·7	-28·9	-24·5	-12·2	-6·3	+10·4	+31·6	+23·1	+32·0	+22·8	+8·7	+6·1	+4·4
September	+22·0	+15·7	+16·0	+20·1	+23·5	+17·7	+10·3	+6·1	-2·7	-15·4	-35·3	-44·9	-40·8	-29·2	-24·0	-8·7	0·0	+2·3	+4·3	+9·4	+9·9	+10·6	+18·0	+15·0
October	+13·7	+10·8	+15·9	+29·9	+17·4	+16·7	+18·7	+9·4	-3·9	-23·5	-32·7	-36·8	-26·5	-22·0	-17·1	-7·5	+2·5	+5·5	-2·7	+5·2	+6·3	+5·2	+6·8	+8·7
November	+20·3	+14·5	+12·6	+12·9	+10·5	+22·4	+11·2	+6·8	-1·5	-9·8	-14·9	-19·4	-23·2	-22·9	-14·8	-8·2	-3·6	+0·7	-3·4	-4·8	+1·3	+6·7	+5·9	+0·7
December	+3·2	+8·2	+7·0	+9·2	+12·7	+4·7	+7·1	+4·1	+3·7	+2·2	-7·1	-12·0	-11·3	-5·8	-2·7	+1·3	-5·9	-4·4	-0·6	-5·0	-2·4	-2·7	-2·5	-0·7
Year	+12·0	+9·2	+11·1	+10·3	+9·1	+7·7	+2·8	-3·3	-12·8	-21·5	-28·6	-30·5	-25·7	-18·5	-8·9	-0·7	+6·7	+14·7	+18·2	+19·0	+12·7	+8·9	+4·5	+3·4
Winter	+9·4	+10·5	+7·7	+8·9	+8·8	+12·6	+8·7	+6·6	+1·9	-1·5	-7·8	-15·3	-16·6	-12·3	-11·3	-7·3	-4·4	-2·2	+1·5	-1·8	-1·5	+4·5	+0·1	+0·7
Equinox	+11·2	+8·3	+14·2	+17·5	+16·0	+10·6	+6·2	+1·0	-10·5	-24·4	-36·2	-39·9	-33·5	-24·8	-13·1	-2·5	+8·8	+13·8	+15·2	+19·5	+13·9	+10·9	+10·1	+7·7
Summer	+15·5	+8·7	+11·5	+4·7	+2·6	-0·1	-6·5	-17·5	-29·9	-38·4	-41·9	-36·2	-27·1	-18·5	-2·2	+7·5	+15·6	+32·5	+38·0	+39·3	+25·6	+11·4	+3·3	+1·9

WEST COMPONENT (DISTURBED DAYS)

330 ESKDALEMUIR 1936

	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	-22·4	-24·3	-14·4	-10·6	-6·0	-11·2	-6·7	+1·2	+1·4	+3·1	+5·6	+16·5	+14·2	+26·6	+25·2	+20·1	+14·1	+12·3	+4·8	+14·1	-2·7	-22·0	-18·5	-20·4
February	-17·7	-11·9	-23·7	-24·9	-18·4	-8·5	-5·8	+2·2	+6·1	+9·7	+9·8	+12·9	+27·1	+37·9	+34·9	+26·3	+15·6	+16·7	+5·1	-0·5	-10·1	-37·4	-27·3	-18·0
March	-18·3	-22·9	-25·6	-25·6	-23·1	-13·5	-1·1	-5·5	-16·1	-12·9	-4·9	+14·7	+34·1	+45·9	+46·0	+39·0	+29·4	+19·5	+5·6	-4·8	+3·7	-10·0	-18·4	-35·1
April	-13·1	-35·9	-43·7	-38·9	-18·3	-17·5	-15·4	-25·1	-17·0	-12·9	-1·3	+19·2	+38·4	+51·4	+51·2	+43·7	+44·0	+28·5	+18·4	-2·3	-1·1	-16·1	-10·4	-25·9
May	-3·3	-10·5	-7·0	-15·0	-16·0	-19·1	-25·5	-34·2	-32·8	-28·8	-13·3	+12·1	+28·6	+39·7	+43·0	+32·1	+27·3	+23·4	+16·1	-6·2	-0·3	+1·2	-2·1	-9·4
June	-14·6	-13·6	-11·3	-8·7	-18·7	-21·5	-18·1	-33·5	-26·1	-26·4	-9·8	+5·6	+26·1	+32·4	+31·3	+29·5	+29·0	+28·6	+20·7	+13·5	+2·5	-5·1	-2·1	-9·6
July	-17·3	-25·3	-18·8	-18·9	-16·2	-24·3	-26·1	-38·7	-35·8	-26·0	-14·7	-3·0	+9·7	+33·9	+57·9	+55·4	+48·8	+37·7	+26·5	+15·9	+5·1	-4·7	-9·8	-11·2
August	-7·8	-17·3	-20·2	-17·0	-19·1	-27·8	-28·5	-29·5	-27·3	-18·9	-3·1	+14·1	+29·9	+39·1	+38·8	+30·7	+27·1	+25·8	+13·7	+12·8	-9·5	-2·9	-0·9	-2·3
September	-9·4	-9·5	-12·1	-10·0	-10·2	-11·2	-17·2	-16·7	-27·4	-25·6	-11·3	+11·1	+27·3	+45·9	+39·9	+28·3	+19·5	+10·1	+5·1	-1·6	-2·2	-2·3	-11·5	-9·2
October	-25·4	-28·6	-20·0	-18·9	+0·2	+6·1	+10·9	+6·1	-13·3	-11·1	+7·1	+20·2	+26·8	+35·6	+28·4	+23·2	+15·5	+8·1	+9·7	-4·4	-13·7	-13·9	-22·6	-26·0
November	-17·7	-17·3	-11·4	-8·3	+6·1	+10·8	+7·4	+1·6	-1·5	-6·2	-2·3	+9·4	+18·3	+28·5	+28·1	+30·6	+22·4	+10·3	+1·4	-5·7	-19·8	-32·9	-24·4	-27·4
December	-17·1	-11·2	-12·4	-1·0	+7·5	+10·0	+4·5	+2·3	-3·8	-10·3	-7·5	+2·6	+10·5	+19·2	+15·1	+16·4	+4·3	+5·7	+3·7	+4·3	-3·2	-14·6	-14·7	-10·4
Year	-15·3	-19·0	-18·4	-16·5	-11·0	-10·6	-10·1	-14·1	-16·1	-13·9	-3·8	+11·3	+24·3	+36·3	+36·7	+31·3	+24·7	+18·9	+10·9	+2·9	-4·3	-13·4	-13·6	-17·1
Winter	-18·7	-16·2	-15·5	-11·2	-2·7	+0·3	-0·1	+1·8	+0·5	-0·9	+1·4	+10·3	+17·5	+28·1	+25·8	+23·3	+14·1	+11·2	+3·7	+3·1	-8·9	-26·7	-21·2	-19·1
Equinox	-16·5	-24·2	-25·3	-23·3	-12·9	-9·0	-5·7	-10·3	-18·5	-15·6	-2·6	+16·3	+31·7	+44·7	+41·4	+33·5	+27·1	+16·5	+9·7	-3·3	-3·3	-10·6	-15·7	-24·1
Summer	-10·7	-16·7	-14·3	-14·9	-17·5	-23·2	-24·5	-34·0	-30·5	-25·0	-10·2	+7·2	+23·6	+36·3	+42·7	+36·9	+33·1	+28·9	+19·3	+9·0	-0·5	-2·9	-3·7	-8·1

VERTICAL COMPONENT (DISTURBED DAYS)

331 ESKDALEMUIR 1936

	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+3·1	-2·8	-5·4	-5·7	-14·0	-16·2	-16·9	-17·2	-16·4	-13·7	-11·0	-9·8	-8·5	-5·0	+1·8	+7·5	+9·4	+6·4	+15·3	+25·4	+35·8	+20·7	+15·0	+2·2
February	-3·1	-16·3	-13·5	-14·3	-16·9	-17·5	-13·5	-14·3	-11·9	-13·7	-13·5	-11·9	-9·7	-5·7	+5·7	+24·3	+31·9	+32·1	+27·5	+14·7	+20·3	+8·7	+6·7	+3·9
March	-11·7	-10·8	-24·3	-23·8	-22·4	-16·3	-16·0	-11·8	-4·7	-4·4	-4·5	-7·4	-6·5	+3·2	+12·1	+19·4	+27·2	+31·7	+33·4	+26·4	+17·9	+9·2	-2·7	-13·2
April	-74·4	-56·0	-48·2	-46·0	-38·6	-22·0	-13·8	-2·2	-0·8	+0·8	+1·8	-0·2	+8·0	+22·4	+45·6	+48·8	+41·6	+63·4	+63·0	+52·4	+28·2	+11·8	-25·2	-60·4
May	-8·0	-11·2	-9·7	-9·0	-6·8	-6·2	-3·2	-1·8	-6·9	-12·4	-15·2	-19·4	-12·2	+1·6	+12·3	+23·6	+25·0	+24·2	+21·4	+19·8	+15·3	+1·4	-9·8	-12·8
June	-3·0	0·0	-8·9	-29·4	-45·8	-35·8	-34·6	-29·8	-25·8	-19·8	-9·0	-6·0	+3·8	+21·2	+26·1	+30·4	+26·6	+25·8	+24·2	+26·8	+25·1	+20·2	+11·2	+6·6
July	-27·7	-32·4	-31·8	-20·3	-11·2	-7·8	-8·5	-6·6	-10·6	-14·9	-18·6	-18·2	-9·5	+6·2	+22·0	+47·3	+47·4	+44·2	+40·5	+29·8	+12·6	+3·7	-11·8	-23·8
August	-6·2	-8·5	-10·0	-10·7	-12·5	-7·0	-5·1	-3·9	-4·6	-7·3	-11·2	-12·5	-12·0	-7·1	+1·4	+6·7	+9·3	+14·0	+19·9	+19·3	+19·8	+11·9	+8·8	+7·5
September	-7·7	-9·0	-9·1	-10·0	-11·8	-12·9	-9·2	-6·0	-3·5	-6·2	-9·3	-13·6	-11·1	-6·4	+6·5	+16·2	+21·8	+23·5	+20·4	+15·6	+11·9	+7·8	+3·5	-1·4
October	-21·2	-33·4	-44·9	-42·2	-38·4	-30·8	-24·2	-13·6	-7·7	-5·4	-5·4	+0·8	+3·6	+14·0	+18·3	+25·8	+33·2	+47·3	+53·4	+37·4	+26·9	+15·6	-1·8	-7·8
November	-6·8	-20·0	-16·5	-18·8	-30·4	-34·6	-24·8	-16·4	-12·5	-10·0	-6·6	-4·0	+0·8	+7·4	+16·1	+22·4	+24·2	+30·2	+27·4	+29·6	+18·7	+13·8	+5·2	+5·6
December	-4·3	-9·5	-15·4	-17·3	-20·7	-22·7	-16·5	-10·9	-7·8	-5·3	-4·3	-0·9	+2·1	+9·1	+14·4	+14·9	+18·9	+14·5	+10·7	+10·9	+12·8	+12·5	+9·7	+5·1
Year	-14·3	-17·5	-19·8	-20·6	-22·5	-19·1	-15·5	-11·2	-9·4	-9·4	-8·9	-8·6	-4·3	+5·1	+15·2	+23·9	+26·4	+29·8	+29·8	+25·7	+20·4	+11·4	+0·7	-7·4
Winter	-2·8	-12·1	-12·7	-14·0	-20·5	-22·7	-17·9	-14·7	-12·1	-10·7	-8·9	-6·7	-3·8	+1·5	+9·5	+17·3	+21·1	+20·8	+20·2	+20·1	+21·9	+13·9	+9·1	+4·2
Equinox	-28·7	-27·3	-31·6	-30·5	-27·8	-20·5	-15·8	-8·4	-4·2	-3·8	-4·3	-5·1	-1·5	+8·3	+20·6	+27·5	+30·9	+41·6	+42·5	+32·9	+21·2	+11·1	-6·5	-20·7
Summer	-11·2	-13·0	-15·1	-17·3	-19·1	-14·2	-12·9	-10·5	-12·0	-13·6	-13·5	-14·0	-7·5	+5·5	+15·5	+27·0	+27·1	+27·1	+26·5	+23·9	+18·2	+9·3	-0·4	-5·6

DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS, DECLINATION, INCLINATION AND HORIZONTAL FORCE (INTERNATIONAL DISTURBED DAYS)

Departures from the mean of the 24 hourly values (uncorrected for non-cyclic change)

DECLINATION (measured positive towards the West) (DISTURBED DAYS)

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MONTH AND SEASON	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	-4·83	-5·10	-3·09	-2·15	-1·51	-2·96	-1·91	-0·29	-0·05	+0·52	+1·35	+3·79	+3·71	+5·94	+5·61	+4·55	+2·99	+2·70	+1·15	+2·93	-0·43	-4·88	-3·71	-4·33
February	-3·98	-3·17	-5·18	-5·71	-4·01	-2·18	-1·43	+0·21	+1·30	+1·99	+2·22	+3·61	+6·22	+8·11	+7·90	+5·93	+3·41	+3·42	+0·37	-0·31	-1·90	-7·83	-5·42	-3·57
March	-4·57	-5·02	-5·55	-5·73	-5·25	-3·20	-0·33	-1·49	-3·09	-1·64	+0·61	+4·73	+8·21	+10·40	+9·97	+8·07	+5·69	+3·68	+0·39	-1·95	+0·19	-2·56	-4·07	-7·49
April	-2·23	-7·18	-9·68	-8·29	-4·26	-3·46	-2·81	-4·14	-1·88	-0·69	+1·90	+5·96	+9·73	+11·64	+10·24	+8·33	+7·54	+3·68	+1·55	-2·60	-1·60	-4·07	-2·50	-5·18
May	-1·48	-2·21	-1·72	-3·18	-3·46	-4·03	-5·06	-6·04	-5·30	-4·27	-0·64	+4·30	+7·44	+9·13	+9·34	+6·58	+4·52	+3·25	+1·18	-3·66	-1·54	-0·43	-0·62	-2·10
June	-4·03	-4·11	-3·28	-1·83	-2·77	-3·65	-2·29	-4·73	-2·74	-2·39	+0·49	+3·07	+6·05	+6·95	+6·52	+5·49	+4·79	+3·71	+1·55	+0·29	-1·52	-2·07	-1·19	-2·31
July	-4·11	-5·21	-4·56	-4·33	-3·77	-4·95	-5·45	-7·59	-6·14	-3·49	-0·95	+1·09	+3·43	+7·79	+10·70	+9·79	+9·39	+6·35	+3·73	+1·91	+0·62	-1·03	-1·37	-1·85
August	-2·13	-3·68	-4·28	-3·63	-4·66	-6·10	-5·79	-5·70	-4·62	-2·53	+1·06	+4·46	+7·47	+9·10	+8·44	+6·51	+4·98	+3·66	+1·63	+1·02	-3·04	-1·01	-0·48	-0·68
September	-2·99	-2·70	-3·23	-3·01	-3·21	-3·14	-3·99	-3·67	-5·41	-4·42	-0·55	+4·45	+7·53	+10·72	+9·25	+6·15	+3·95	+1·94	+0·83	-0·79	-0·93	-0·98	-3·21	-2·59
October	-5·80	-6·32	-4·82	-5·28	-0·82	+0·41	+1·28	+0·76	-2·50	-1·10	+3·04	+5·90	+6·72	+8·28	+6·58	+5·06	+3·00	+1·37	+2·10	-1·14	-3·08	-3·06	-4·90	-5·68
November	-4·58	-4·21	-2·92	-2·31	+0·71	+1·08	+0·95	-0·01	-0·22	-0·77	+0·26	+2·85	+4·84	+6·89	+6·40	+6·59	+4·71	+2·04	+0·45	-0·91	-4·06	-6·99	-5·22	-5·57
December	-3·62	-2·67	-2·86	-0·65	+0·90	+1·79	+0·56	+0·27	-0·96	-2·19	-1·16	+1·11	+2·68	+4·17	+3·20	+3·25	+1·16	+1·37	+0·78	+1·11	-0·52	-2·81	-2·84	-2·07
Year	-3·70	-4·30	-4·26	-3·84	-2·68	-2·53	-2·19	-2·70	-2·63	-1·75	+0·64	+3·78	+6·17	+8·26	+7·85	+6·36	+4·68	+3·10	+1·31	-0·34	-1·48	-3·14	-2·96	-2·62
Winter	-4·25	-3·79	-3·51	-2·71	-0·98	-0·57	-0·46	+0·05	+0·02	-0·11	+0·67	+2·84	+4·36	+6·28	+5·78	+5·08	+3·07	+2·38	+0·69	+0·71	-1·73	-5·63	-4·30	-3·89
Equinox	-3·90	-5·31	-5·82	-5·58	-3·39	-2·35	-1·46	-2·13	-3·22	-1·96	+1·25	+5·26	+8·05	+10·26	+9·01	+6·90	+5·05	+2·67	+1·22	-1·62	-1·35	-2·67	-3·67	-5·23
Summer	-2·94	-3·80	-3·46	-3·24	-3·67	-4·68	-4·85	-6·01	-4·70	-3·17	-0·01	+3·23	+6·10	+8·24	+8·75	+7·09	+5·92	+4·24	+2·02	-0·11	-1·37	-1·13	-0·91	-1·73

INCLINATION (DISTURBED DAYS)

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	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
January	+0·04	+0·06	-0·14	+0·03	-0·65	-1·13	-1·05	-1·15	-0·87	-0·52	-0·07	+0·11	+0·66	+0·21	+0·32	+0·50	+0·20	+0·25	+0·53	+0·50	+1·07	+0·27	+0·72	+0·11
February	-0·34	-1·21	-0·47	-0·86	-0·52	-0·90	-0·59	-0·70	-0·32	-0·46	-0·17	+0·85	+0·31	-0·16	+0·70	+1·01	+0·90	+0·57	-0·29	+0·10	+0·87	+0·46	+0·74	+0·48
March	-1·14	-0·42	-0·69	-0·92	-0·95	-0·82	-0·51	-0·69	+0·36	+1·39	+2·10	+1·90	+1·04	+0·84	+0·46	+0·10	-0·13	+0·13	-0·24	-0·58	-0·36	-0·33	-0·24	-0·30
April	-1·09	-0·72	-1·63	-1·10	-1·43	-0·17	+0·31	+1·59	+2·35	+2·78	+2·96	+2·45	+2·20	+1·40	+0·18	-0·16	-1·48	-1·62	-1·61	-1·50	-1·13	-0·55	-1·01	-1·02
May	-1·21	-0·21	-0·55	-0·20	-0·22	-0·09	+0·45	+1·69	+2·13	+2·22	+2·59	+1·80	+1·47	+0·89	+0·48	+0·20	-1·15	-1·75	-2·49	-2·63	-1·60	-0·89	-0·49	-0·44
June	-1·29	-1·59	-1·38	-0·69	+0·50	+0·40	+1·25	+2·50	+3·15	+3·86	+3·23	+2·36	+0·70	+0·54	+0·40	-0·33	-1·22	-2·57	-3·24	-2·79	-2·10	-0·81	-0·70	-0·18
July	-1·22	-0·54	-1·52	-0·89	-0·69	+0·15	-0·03	+0·76	+1·80	+2·40	+2·47	+1·88	+1·57	+0·88	-1·72	-1·58	-0·24	-1·20	-1·58	-1·24	-0·32	+0·04	+0·67	+0·15
August	-0·78	-0·18	-0·19	-0·25	-1·08	-0·38	+0·30	+0·72	+1·52	+1·84	+1·99	+1·61	+1·12	+0·80	+0·21	+0·09	-0·87	-2·12	-1·24	-1·81	-0·84	-0·22	-0·18	-0·06
September	-1·50	-1·10	-1·09	-1·40	-1·87	-1·30	-0·82	-0·30	+0·54	+1·27	+2·26	+2·43	+1·96	+1·06	+1·10	+0·51	+0·23	+0·28	+0·13	-0·21	-0·32	-0·47	-0·91	-0·88
October	-1·00	-1·09	-1·85	-2·72	-2·09	-1·96	-2·00	-1·08	+0·29	+1·59	+1·90	+2·10	+1·41	+1·24	+1·11	+0·78	+0·40	+0·70	+1·35	+0·65	+0·49	+0·26	-0·14	-0·34
November	-1·21	-1·18	-1·07	-1·19	-1·54	-2·50	-1·48	-0·88	-0·19	+0·50	+0·85	+1·01	+1·26	+1·24	+0·92	+0·62	+0·49	+0·54	+0·90	+1·11	+0·70	+0·42	+0·13	+0·55
December	-0·05	-0·60	-0·64	-1·01	-1·48	-1·02	-0·93	-0·58	-0·38	-0·10	+0·49	+0·74	+0·62	+0·31	+0·30	+0·01	+0·80	+0·55	+0·24	+0·52	+0·52	+0·73	+0·64	+0·32
Year	-0·90	-0·73	-0·93	-0·93	-0·99	-0·81	-0·41	+0·16	+0·87	+1·40	+1·72	+1·80	+1·19	+0·77	+0·37	+0·15	-0·17	-0·52	-0·63	-0·66	-0·25	-0·09	-0·06	-0·13
Winter	-0·39	-0·73	-0·58	-0·76	-1·05	-1·39	-1·01	-0·83	-0·44	-0·15	+0·27	+0·68	+0·71	+0·40	+0·56	+0·53	+0·60	+0·48	+0·35	+0·56	+0·79	+0·47	+0·56	+0·37
Equinox	-1·18	-0·83	-1·31	-1·53	-1·53	-1·06	-0·71	-0·12	+0·89	+1·76	+2·31	+2·22	+1·65	+1·13	+0·71	+0·31	-0·25	-0·13	-0·09	-0·41	-0·33	-0·27	-0·57	-0·63
Summer	-1·13	-0·63	-0·91	-0·51	-0·37	+0·02	+0·49	+1·42	+2·15	+2·58	+2·57	+1·91	+1·21	+0·78	-0·16	-0·41	-0·87	-1·91	-2·14	-2·12	-1·21	-0·47	-0·17	-0·13

HORIZONTAL FORCE (DISTURBED DAYS)

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	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+0·5	-1·9	+0·1	-2·5	+4·5	+11·0	+9·5	+10·7	+6·9	+2·7	-2·9	-5·3	-13·1	-4·9	-4·1	-4·7	+0·5	-1·4	-2·3	+1·9	-2·7	+3·5	-5·1	-0·9
February	+3·9	+12·1	+1·9	+7·5	+1·5	+7·0	+3·7	+5·1	+0·3	+1·7	-2·5	-16·9	-8·1	+0·3	-8·5	-6·1	-1·5	+3·2	+14·3	+3·9	-5·1	-3·7	-8·5	-5·5
March	+12·7	+2·4	+1·4	+4·9	+6·0	+6·2	+1·7	+6·0	-7·0	-22·3	-33·0	-31·2	-17·9	-11·4	-2·4	+5·5	+12·0	+9·6	+15·9	+18·4	+12·0	+8·3	+2·6	-0·4
April	-11·2	-9·9	+6·4	-0·8	+6·8	-5·7	-9·6	-24·4	-35·0	-40·9	-43·0	-36·4	-29·8	-12·5	+14·2	+20·2	+37·2	+47·7	+47·2	+41·6	+27·0	+12·5	+5·6	-7·2
May	+15·1	-0·9	+4·5	-0·5	+0·7	-1·1	-7·9	-25·5	-34·1	-37·5	-43·9	-33·9	-26·1	-12·5	-2·7	+5·7	+26·3	+34·9	+44·9	+46·3	+29·1	+13·7	+3·5	+1·9
June	+17·9	+23·6	+17·0	-0·7	-24·2	-19·0	-31·3	-48·4	-56·4	-64·5	-51·2	-37·2	-9·1	-0·2	+3·6	+16·3	+28·0	+47·6	+56·9	+51·4	+40·8	+19·5	+14·6	+5·0
July	+7·9	-4·0	+10·7	+5·6	+5·8	-5·1	-2·6	-13·8	-30·3	-41·0	-43·5	-34·4	-26·7	-10·6	+33·5	+41·0	+20·8	+34·1	+38·4	+29·6	+9·3	+0·6	-14·3	-11·0
August	+9·1	-0·4	-0·7	-0·3	+11·3	+3·0	-6·3	-12·1	-24·3	-29·8	-33·9	-28·5	-21·1	-14·6	-2·7	+1·1	+16·5	+36·8	+25·7	+34·1	+19·9	+7·8	+5·7	+3·7
September	+19·2	+13·0	+12·7	+17·2	+20·4	+14·6	+6·0	+2·0	-9·1	-21·0	-37·0	-41·0	-33·2	-17·6	-13·9	-1·8	+4·6	+4·6	+5·4	+8·8	+9·1	+9·8	+14·8	+12·4
October	+7·3	+3·8	+10·7	+24·6	+16·9	+17·6	+20·7	+10·6	-6·9	-25·4	-30·1	-31·0	-19·5	-13·0	-9·9	-1·8	+6·1	+7·2	-0·3	+4·0	+2·9	+1·8	+1·3	+2·4
November	+15·6	+10·0	+9·6	+10·6	+11·6	+24·3	+12·6	+7·0	-1·8	-11·0	-15·0	-16·6	-18·2	-15·6	-7·8	-0·8	+1·8	+3·1	-3·0	-6·0	-3·4	-1·2	0·0	-5·8
December	-0·9	+5·3	+3·9	+8·7	+14·1	+6·9	+7·9	+4·5	+2·7	-0·3	-8·7	-11·1	-8·5	-1·1	+0·9	+5·1	-4·7	-2·9	+0·3	-3·9	-3·1	-6·1	-5·9	-3·1
Year	+8·1	+4·4	+6·5	+6·2	+6·3	+5·0	+0·4	-6·5	-16·3	-24·1	-28·7	-27·0	-19·3	-9·5	0·0	+6·6	+12·3	+18·7	+20·3	+19·2	+11·3	+5·5	+1·2	-0·7
Winter	+4·8	+6·4	+3·9	+6·1	+7·9	+12·3	+8·4	+6·9	+2·0	-1·7	-7·3	-12·5	-12·0	-5·3	-4·9	-1·6	-1·0	+0·5	+2·3	-1·0	-3·6	-1·9	-4·9	-3·9
Equinox	+7·0	+2·3	+7·8	+11·5	+12·5	+8·2	+4·7	-1·5	-14·5	-27·4	-35·8	-34·9	-25·1	-13·6	-3·0	+5·5	+15·0	+17·3	+17·1	+18·2	+12·7	+8·1	+6·1	+1·8
Summer	+12·5	+4·6	+7·9	+1·0	-1·6	-5·5	-12·0	-24·9	-36·3	-43·2	-43·1	-33·5	-20·7	-9·5	+7·9	+16·0	+22·9	+38·3	+41·5	+40·3	+24·8	+10·4	+2·4	-0·1

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1936

NOTE.- The ranges are derived from the diurnal inequalities printed in Tables 317 to 334.

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MONTH AND SEASON	All Days			Quiet Days			Disturbed Days			All Days			Quiet Days			Disturbed Days		
	N	W	V	N	W	V	N	W	V	D	I	H	D	I	H	D	I	H
	γ	γ	γ	γ	γ	γ	γ	γ	γ	′	′	γ	′	′	γ	′	′	γ
January	19·6	31·1	18·2	19·8	19·6	4·9	30·9	50·9	53·0	6·76	1·09	15·2	4·48	1·25	18·6	11·04	2·22	24·1
February	18·9	36·9	23·9	15·4	20·5	10·8	35·8	75·3	49·6	8·00	1·03	15·3	4·54	0·80	13·6	15·94	2·22	31·2
March	39·5	50·7	24·6	29·5	36·7	17·2	55·8	81·1	57·7	11·21	1·91	37·1	8·28	1·43	26·0	17·89	3·24	51·4
April	61·7	61·2	44·2	56·2	60·1	22·9	88·0	95·1	137·8	13·36	3·16	60·7	13·76	3·20	55·0	21·32	4·59	90·7
May	69·0	65·8	33·9	59·1	67·1	25·0	91·0	77·2	44·4	13·84	4·12	72·3	13·84	3·71	59·7	15·38	5·22	90·2
June	72·7	62·1	28·0	66·5	60·9	25·4	113·6	65·9	76·2	12·49	4·70	78·3	12·48	4·34	70·8	11·68	7·10	121·4
July	67·8	66·3	30·1	59·5	58·8	29·0	74·3	96·6	79·8	13·29	4·28	73·2	12·35	3·80	64·2	18·29	4·19	84·5
August	55·5	56·0	24·4	54·7	59·0	23·6	66·1	68·6	32·4	12·06	3·38	57·2	12·36	3·57	57·0	15·20	4·11	70·7
September	53·6	58·6	19·5	54·2	56·3	20·0	68·4	73·3	37·1	12·56	3·25	52·0	11·77	3·46	54·6	16·13	4·10	61·4
October	45·0	44·6	24·4	41·3	45·6	10·8	66·7	64·2	98·3	9·81	2·84	40·4	9·59	2·51	39·4	14·60	4·82	55·6
November	31·0	30·0	19·0	23·2	21·0	6·4	45·6	63·5	64·8	7·24	2·03	27·9	4·74	1·33	21·1	13·88	3·76	42·5
December	20·8	23·8	11·9	19·4	22·6	4·4	24·7	38·3	41·6	5·28	1·33	19·0	4·68	1·50	18·6	7·79	2·28	25·2
Year	43·2	45·5	22·0	39·7	42·2	15·1	49·5	55·7	52·3	9·72	2·40	42·8	9·21	2·42	39·5	12·56	2·71	49·0
Winter	21·9	29·5	15·6	19·0	19·1	5·7	29·2	54·8	44·6	6·71	1·32	18·7	4·30	1·15	17·5	11·91	2·18	24·8
Equinox	48·1	53·5	24·9	44·2	48·2	15·8	59·4	70·0	74·1	11·70	2·57	45·4	10·75	2·59	42·9	16·08	3·84	54·0
Summer	65·8	62·2	28·5	59·7	59·8	24·5	81·2	76·7	46·2	12·78	4·12	70·2	12·62	3·80	62·9	14·76	4·72	84·7

NON-CYCLIC CHANGE

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MONTH AND SEASON	All Days			Quiet Days			Disturbed Days		
	H	D	V	H	D	V	H	D	V
	γ	′	γ	γ	′	γ	γ	′	γ
January	-0·2	-0·08	+0·1	0·0	-3·31	+0·3	-3·0	-1·03	-0·4
February	+0·3	-0·04	+0·2	+4·8	+0·77	-0·8	-8·1	-0·18	+2·1
March	+0·6	+0·05	0·0	+5·4	+0·43	-2·5	-10·1	-3·85	-13·9
April	-0·1	-0·14	-0·3	+7·7	+0·01	-2·1	+0·7	+0·70	-3·6
May	-0·1	+0·11	+0·8	+0·3	-0·08	+0·7	-9·5	+0·11	-6·6
June	+0·1	-0·08	-0·1	+2·6	-0·06	-1·0	-9·7	+1·95	+8·9
July	-0·2	-0·06	-0·1	+4·8	+0·21	-1·5	-16·4	+0·41	-6·0
August	-0·3	+0·01	+0·3	+3·0	+1·11	-0·8	-5·1	-0·90	+9·1
September	0·0	-0·09	-0·3	+9·1	+1·01	-2·1	-7·9	+0·52	+4·2
October	-0·9	+0·03	+0·9	+2·1	-0·08	+0·1	-7·5	+1·38	+6·6
November	+0·3	-0·08	+0·1	+0·1	+0·01	-0·4	-21·8	-0·67	+8·7
December	+0·3	0·00	-0·1	+4·3	+0·22	-2·5	-8·9	+0·37	+4·5
Year 1936	0·0	-0·03	+0·1	+3·7	+0·02	-1·1	-8·8	-0·10	+1·1
Winter	+0·2	-0·05	+0·1	+2·3	-0·58	-0·9	-9·9	-0·38	+3·7
Equinox	-0·1	-0·04	+0·1	+6·1	+0·34	-1·7	-6·2	-0·31	-1·7
Summer	-0·1	-0·01	+0·2	+2·7	+0·29	-0·7	-10·2	+0·39	+1·3

MEAN VALUES OF $HR_H^+ . VR_V^*$ (Unit $10{,}000\gamma^2$)

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HR_H	VR_V	Sum	Mean Character Figure
92	141	233	0·71
111	180	291	0·79
112	205	318	0·68
175	364	538	0·83
182	230	412	0·65
200	229	429	0·63
190	249	440	0·94
129	155	284	0·55
124	133	257	0·47
131	223	353	0·68
119	177	295	0·67
69	102	171	0·48
136	199	335	0·67
98	150	247	0·66
135	231	367	0·67
175	216	391	0·69

* See page 175

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

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MONTH	Horizontal Force			Declination (West)			Vertical Force			North Component	West Component	Inclination (North)		Total Force
	a q d 16,000γ+ -5γ			a q d 13°+			a q d 44,000γ+ -12γ			all days -5γ	all days -4γ	all days		all days -15γ
	γ	γ	γ	′	′	′	γ	γ	γ	γ	γ	°	′	γ
January	516	523	509	42·4	42·8	42·4	889	885	896	16046	3913	69	48·0	47831
February	514	520	509	41·6	41·7	41·5	895	892	899	16045	3909	69	48·3	47837
March	518	527	508	40·5	41·4	40·0	893	891	892	16050	3905	69	47·9	47835
April	515	519	501	39·1	39·5	38·1	900	901	892	16048	3898	69	48·4	47841
May	522	523	519	38·5	38·8	39·0	904	903	902	16056	3897	69	48·0	47847
June	522	525	513	37·8	37·2	39·3	908	909	906	16057	3893	69	48·1	47851
July	523	524	522	36·9	36·6	37·3	912	912	918	16059	3889	69	48·1	47855
August	522	521	519	35·9	35·7	35·9	909	911	907	16059	3884	69	48·0	47852
September	516	515	511	35·5	35·6	35·9	916	914	922	16053	3881	69	48·6	47856
October	510	515	499	34·5	34·7	34·9	922	920	924	16049	3875	69	49·2	47860
November	508	519	499	33·4	33·4	33·9	924	923	923	16048	3870	69	49·5	47861
December	513	518	512	32·8	32·7	33·2	925	923	925	16054	3868	69	49·0	47864
Year	517	521	510	37·4	37·5	37·6	908	907	909	16052	3890	69	48·4	47849

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of a_n, b_n in the series $(a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$, t being reckoned in hours from midnight G.M.T.

Longitude of Eskdalemuir Observatory, 3°12′W

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

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of c_n, α_n in the series $\Sigma c_n \sin(15n T^\circ + \alpha_n)$, T being Mean Local Time, reckoned in hours from midnight

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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																							
	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
Jan.	5·7	74	4·2	256	1·9	133	0·6	71	12·5	248	3·2	348	0·9	225	0·7	39	7·5	163	1·5	223	0·5	271	1·1	267
Feb.	6·7	67	3·7	263	1·7	102	1·3	339	15·9	245	4·5	9	1·1	207	2·8	26	10·4	166	4·9	263	1·4	87	1·4	193
Mar.	14·3	58	9·5	260	2·9	99	1·7	326	18·3	221	9·6	13	6·9	203	2·9	35	8·4	169	6·5	252	2·5	87	1·2	236
Apr.	20·4	111	15·3	274	4·0	83	1·4	339	21·0	213	13·3	16	5·7	197	2·7	79	13·5	188	12·4	260	1·6	2	1·6	295
May	24·4	123	14·4	283	1·0	43	2·5	67	22·3	196	13·8	33	5·6	236	2·0	90	8·7	157	9·8	267	2·3	113	1·1	317
June	27·2	126	14·6	283	0·9	25	2·3	46	25·1	190	11·0	20	4·2	232	0·8	47	10·3	163	6·1	252	1·4	111	1·3	324
July	22·2	125	15·6	291	1·8	134	1·9	52	24·5	193	13·5	19	4·2	219	0·6	31	9·4	179	9·4	258	2·4	95	0·6	252
Aug.	19·9	115	12·5	281	1·5	127	1·7	47	20·3	197	11·3	37	5·0	228	1·8	50	6·2	130	6·7	258	2·4	105	0·9	281
Sept.	22·4	96	10·7	281	4·0	140	1·7	354	16·7	202	11·5	33	7·6	224	2·9	47	4·4	137	5·3	253	3·2	81	1·3	267
Oct.	17·0	87	10·3	281	3·9	137	1·2	347	13·3	223	9·1	8	5·8	226	4·0	68	9·3	194	5·0	239	2·4	88	0·9	323
Nov.	11·5	87	7·5	260	3·2	130	0·3	137	11·5	231	7·1	345	2·8	225	1·9	51	8·5	192	2·4	231	1·1	93	0·8	294
Dec.	6·8	73	4·6	267	2·2	120	0·6	13	8·0	231	6·1	347	2·6	224	1·9	47	5·3	179	0·8	227	1·0	120	0·9	269
Year	15·7	106	10·1	277	2·2	117	1·1	24	16·5	211	9·1	17	4·3	220	2·0	53	8·1	171	5·8	255	1·6	91	0·9	277
Winter	7·6	77	5·0	261	2·2	123	0·4	13	11·9	240	5·1	351	1·8	222	1·8	39	7·8	175	2·3	245	0·7	100	0·8	251
Equinox	18·3	97	11·4	274	3·3	115	1·5	342	17·2	215	10·8	19	6·4	213	3·0	58	8·4	179	7·2	254	2·1	75	1·1	280
Summer	23·4	123	14·2	285	0·9	100	2·1	54	23·0	194	12·3	27	4·7	229	1·2	63	8·4	160	7·9	260	2·1	105	0·8	301
	QUIET DAYS																							
Year	14·5	99	9·4	273	2·3	114	1·1	14	13·0	193	8·8	27	4·7	223	1·7	51	4·2	101	4·1	262	1·8	86	0·8	269
Winter	6·8	81	4·5	259	1·7	125	1·0	347	7·8	218	3·2	8	2·3	219	0·9	47	2·0	142	1·0	249	0·7	78	0·6	242
Equinox	16·9	89	10·2	268	3·5	114	1·8	351	11·9	195	10·5	27	6·6	219	2·7	43	4·4	95	4·1	259	2·6	84	1·4	270
Summer	21·0	113	13·7	282	2·0	107	1·5	66	20·4	183	12·9	31	5·4	230	1·5	64	6·9	94	7·3	266	2·1	93	0·8	293
	DISTURBED DAYS																							
Year	18·4	118	11·3	286	0·9	107	1·3	24	24·2	227	10·2	2	5·0	203	2·5	68	23·3	193	7·8	261	1·7	78	1·8	308
Winter	8·9	73	4·8	259	1·9	110	0·3	228	19·2	251	7·8	336	2·7	195	2·9	41	19·4	179	2·6	239	1·7	74	1·7	276
Equinox	21·6	106	14·3	286	2·4	130	1·2	303	27·8	232	10·1	5	8·4	199	3·7	70	30·5	205	13·4	253	1·7	33	1·8	322
Summer	29·7	139	15·5	294	1·8	321	4·3	42	29·2	206	13·9	15	4·1	215	1·6	117	21·4	188	8·3	283	2·6	109	2·2	318

MEAN VALUES, FOR THE YEARS SPECIFIED, OF THE MAGNETIC ELEMENTS AT OBSERVATORIES IN COMMUNICATION WITH THE ROYAL OBSERVATORY, GREENWICH

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	Latitude	Longitude	1936				1935				1934			
			Declination	Inclination	Horizontal Intensity	Vertical Intensity	Declination	Inclination	Horizontal Intensity	Vertical Intensity	Declination	Inclination	Horizontal Intensity	Vertical Intensity
	° N ′	° ′	° ′	° N ′	γ	γ	° ′	° N ′	γ	γ	° ′	° N ′	γ	γ
Godhavn, Greenland ...	69 15	53 30W	55 57·4W	81 34·2	08187	55237	56 13·8W	81 34·2	8193	55284	56 30·4W	81 33·7	08209	55330
Sodankyla, Finland ...	67 22	26 39E					3 23·3E	76 17·9	12050	49329	3 12·7E	76 15·1	12081	49312
Lerwick, Shetland Islands ...	60 8	1 11W	12 57·8W	72 51·7	14429	46791	13 9·5W	72 49·9	14446	46758	13 21·9W	72 48·4	14463	46744
Sloutsk, U.S.S.R. ...	59 41	30 29E	4 45·3E	72 5·3	15336	47448	4 38·4E	72 2·2	15370	47404	4 30·5E	71 58·6	15405	47348
Lovo (Stockholm) Sweden ...	59 21	17 50E	2 2·9W	71 41·4	15384	46626	2 11·4W	71 41·6	15405	46562	2 20·8W	71 39·5	15432	46548
Sitka, Alaska ...	57 3	135 20W	30 0·2E	74 19·8	15445	55058	30 2·7E	74 20·0	15450	55090	30 5·6E	74 20·5	15454	55129
Wyssokaya Doubrawa U.S.S.R. ...	56 44	61 4E	12 52·5E	72 21·1	16177	50848	12 51·5E	72 17·8	16210	50781	12 50·4E	72 14·4	16248	50727
Copenhagen (in Rude Skov), Denmark ...	55 51	12 27E	4 58·9W	69 31·9	16786	44972	5 8·8W	69 29·6	16804	44927	5 19·3W	69 26·9	16824	44875
Kasan (Sajmistsche), U.S.S.R. ...	55 50	48 51E	9 18·0E	70 57·5	16768	48594	9 15·4E	70 53·9	16804	48523	9 13·2E	70 51·6	16844	48505
Eskdalemuir, Scotland ...	55 19	3 12W	13 37·4W	69 48·4	16517	44908	13 48·8W	69 47·0	16525	44875	14 0·6W	69 45·9	16536	44859
Meanook, Alberta, Canada ...	54 37	113 21W	26 3·4E	77 53·1	12727	59291	26 8·2E	77 53·6	12732	59358	26 15·3E	77 53·5	12736	59367
Hel, Poland ...	54 36	18 48E					2 25·2W		17530		2 36·5W	*68 25·2	17553	*44384
Stonyhurst, Lancs., England ...	53 51	2 28W	12 40·3W	*68 51·2	17154	*44349	12 53·2W	*68 50·7	17148	*44311	13 4·9W	*68 49·0	17163	*44279
Zouy, Siberia, U.S.S.R. ...	52 28	104 2E					0 4·2W	71 24·2	19008	56492	0 1·0E	71 23·1	19013	56447
Swider, Poland ...	52 7	21 15E					1 15·2W	67 15·1	18384	43845	1 23·7W	67 11·5	18406	43768
De Bilt, Utrecht, Holland ...	52 6	5 11E	8 21·4W	67 6·9	18236	43202	8 31·9W	67 5·4	18244	43189	8 43·0W	67 3·7	18254	43132
Niemegk, Germany ...	52 4	12 41E	4 44·8W	66 52·0	18484	43219	4 54·9W	66 49·4	18477	43159	5 5·2W	66 46·9	18491	43106
Valentia, Cahirciveen, Ireland ...	51 56	10 15W	*16 21·6W	*67 57·7	*17801	*43972	*16 32·7W	*67 57·4	*17804	*43969	*16 43·7W	*67 57·5	*17812	*43993
Bochum, Germany ...	51 29	7 14E									7 52·4W	...	...	...
Abinger, Surrey, England ...	51 11	0 23W	11 20·0W	66 41·8	18524	43007	11 30·3W	66 40·9	18527	42981	11 41·1W	66 39·7	18533	42955
Val Joyeux, near Paris, France ...	48 49	2 1E	9 56·7W	64 45·4	19647	41668	10 6·7W	64 45·4	19642	41658	10 17·5W	64 44·3	19643	41629
Vienna, (Auhof), Austria ...	48 12	16 14E	3 7·3W	63 40·7	20475	41387	3 16·7W	63 38·1	20486	41333	3 25·8W	63 34·4	20501	41252
Stara Dala, Czecho-Slovakia ...	47 53	18 11E	2 24·1W	...	...	...	2 32·7W	...	...	...	2 42·5W	...	...	...
Nantes, France ...	47 15	1 34W	11 3·4W	63 42·9	20251	41004	11 13·5W	63 42·8	20245	40989	11 22·9W	63 43·1	20245	40995
Agincourt, Ontario, Canada ...	43 47	79 16W	7 36·8W	74 49·8	15362	56657	7 37·4W	74 48·9	15391	56708	7 37·8W	74 47·9	15423	56762
Karsani, U.S.S.R. ...	41 50	44 42E									4 26·5E	58 40·9	24574	40388
Ebro, Tortosa, Spain ...	40 49	0 30E					9 37·3W	57 22·6	23486	36659	9 45·5W	57 22·7	23456	36646
Coimbra, Portugal ...	40 12	8 25W	*13 3·0W	*57 26·8	*23303	*36516	*13 14·8W	*57 31·4	*23269	*36553	*13 22·1W	*57 41·2	*23230	*36720
Cheltenham, Maryland, U.S.A. ...	38 44	76 50W	7 6·2W	71 17·9	18291	54032	7 6·4W	71 16·3	18355	54078	7 6·9W	71 14·1	18385	54116
†San Miguel, Azores Is. ...	37 46	25 39W					18 1·9W	*59 28·3	*23405	*39690	18 8·0W	*59 32·5	*23394	*39782
San Fernando, Spain ...	36 28	6 12W	11 44·4W	*53 11·6	25261	*33759	11 53·0W	*53 11·2	25258	*33747	*12 1·9W	*53 15·6	*25190	*33748
Kakioka, Japan ...	36 14	140 11E	5 51·7W	49 31·6	29713	34823	5 49·5W	49 30·9	29719	34822	5 47·1W	49 29·5	29720	34788
Tsingtao, China ...	36 4	120 19E	4 37·6W	52 6·1	30935	39741	4 36·4W	52 5·5	30921	39707	4 34·9W	52 5·1	30920	39696
Tucson. Arizona, U.S.A. ...	32 15	110 50W	13 51·4E	59 41·0	26230	44856	13 52·2E	59 40·4	26259	44889	13 52·4E	59 39·8	26294	44933
Zo-Se, Shanghai, China ...	31 6	121 11E	3 24·4W	45 31·8	33278	33900	3 24·3W	45 31·5	33267	33881	3 24·6W	45 30·9	33254	33858
Dehra Dun, United Provinces, India ...	30 19	78 3E	0 53·8E	45 40·3	33181	33968	0 56·7E	45 39·3	33140	33894	1 0·0E	45 39·0	33087	33847
Helwan, Egypt ...	29 52	31 21E	* 0 12·5E	*41 59·6	*30298	*27274	0 9·2E	41 53·9	30258	27147	0 5·0E	41 50·2	30223	27057
Hong Kong (Au Tau), China ...	22 27	114 3E	0 40·5W	30 30·2	37616	22160	0 41·5W	30 31·0	37584	22153	0 42·3W	30 31·5	37557	22145
Honolulu, Hawaii ...	21 19	158 4W	10 11·9E	39 8·1	28522	23207	10 9·7E	39 10·0	28534	23244	10 7·7E	39 12·2	28544	23283
Teoloyucan, Mexico ...	19 45	99 11W	9 39·0E	47 8·4	30938	33336	9 37·5E	47 9·0	31007	33425	9 36·1E	47 7·3	31017	33403
Alibag, Bombay, India ...	18 38	72 52E	0 19·9W	25 27·8	37593	17902	0 17·7W	25 29·5	37524	17892	0 16·2W	25 29·9	37462	17867
San Juan, Porto Rico ...	18 23	66 7W	5 29·6W	52 49·3	27274	35961	5 25·0W	52 46·8	27290	35926	5 19·7W	52 43·5	27322	35898
Antipolo, Philippine Is. ...	14 36	121 10E	*0 33·1E	*15 48·1	*38354	*10853	* 0 32·2E	*15 48·6	*38318	*10850	* 0 30·5E	*15 49·1	*38302	*10851
	S			S				S				S		
Batavia (Kuyper), Java ...	6 2	106 44E	* 1 11·9E	32 18·7	*37043	*23428	* 1 9·2E	*32 20·8	*37035	*23455	1 8·7E	32 23·5	36946	23439
				N				N				N		
Huancayo, Peru ...	12 3	75 20W	7 11·6E	2 13·5	29609	01150	7 15·2E	2 11·2	29612	01130	7 18·1E	2 8·5	29622	01107
				S				S				S		
Apia, Samoa ...	13 48	171 46W	10 38·4E	30 30·7	35001	20628	10 36·1E	30 26·3	35020	20587	10 42·2E	*30 22·4	35048	20556
‡Mauritius ...	20 6	57 33E	13 11·3W	52 51·5	22500	29706	12 59·6W	52 48·6	22529	29690	12 50·9W	52 46·5	22542	29671
La Quiaca, Jujuy, Argentina ...	22 6	65 36W												
Vassouras, Brazil ...	22 24	43 39W					13 17·1W	17 46·8	24155	07703	13 10·9W	17 37·8	24010	07646
Watheroo, West Australia ...	30 19	115 52E	3 37·1W	64 21·6	24677	51412	3 42·5W	64 21·0	24672	51380	3 47·8W	64 20·1	24669	51340
Pilar, Cordova, Argentina ...	31 40	63 53W	5 47·6E	26 8·0	24397	11969	5 53·5E	26 3·7	24456	11961	5 59·0E	25 59·2	24516	11950
Capetown, S. Africa ...	33 57	18 28E	24 31·1W				24 34·3W	63 20·8	14858	29805	24 36·6W	63 14·6	14955	29664
Toolangi, Victoria, Australia ...	37 32	145 28E	*8 39·6E	*67 49·1	*22906	*56180	* 8 36·7E	*67 48·6	*22923	*56200	8 33·8E	67 48·8	22907	56169
Christchurch (Amberley), N.Z. ...	43 10	172 43E	18 9·9E	68 0·5	22301	55219	18 6·3E	67 59·7	22317	55223	18 3·0E	67 59·1	22331	55230

Notes.- *Results derived from absolute observations only. † A local anomaly is known to exist at the site of the observatory.

Godhavn) Abinger) The values of Inclination and Vertical Intensity depend upon direct measurement of the vertical component of the earth's field.
Lerwick.- A discontimuity occurs at 1934 January 1 in the values of Inclination and Vertical Intensity, owing to an instrumental change.
Ebro, Tortosa.- The values are derived from International Quiet Days only.
Cheltenham. 1935.- The results relate to the seven months January to July.
Mauritius. 1934.- The results relate to the seven months June to December.
Apia.- 1934 Vertical Intensity. The result relates to the six months July to December; 1935 Declination, to the eight months April to December.

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REVISED VALUES FOR EARLIER YEARS

	Latitude	Longitude	1933											
			Declination	Inclination	Horizontal Intensity	Vertical Intensity	Declination	Inclination	Horizontal Intensity	Vertical Intensity	Declination	Inclination	Horizontal Intensity	Vertical Intensity
	° ′	° ′	° ′	° ′	γ	γ	° ′	° ′	γ	γ	° ′	° ′	γ	γ
	S			S				N				N		
Batavia (Kuyper) Java	6 2	106 44E	1 5·3E	32 21·6	36891	23376								

M.O. 400.
(Valentia)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia, and Kew, and the results of soundings of the upper atmosphere by means of registering balloons.

VALENTIA OBSERVATORY

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1938

VALENTIA OBSERVATORY

Latitude	51° 56′ N.
Longitude	10° 15′ W.
G.M.T. of Local Mean Noon ..	12h 41 m.

Heights in metres above Sea Level.

Barometer	13·7
Rain-gauge	9·1
Robinson Cup Anemograph ..	26
Dines Pressure Tube Anemometer	30

Heights in metres above Ground.

Thermometer Bulbs	1·3
Sunshine Recorder	12·8
Robinson Cup Anemograph ..	14
Dines Pressure Tube Anemometer	13
Beckley Rain-gauge Rim ..	0·5

INTRODUCTION.

SITE

Valentia Observatory derives its name from the fact that it was originally established on Valentia Island in 1867. It was removed to the mainland in March, 1892, and now lies in a direct line between the old site on Valentia Island and the town of Cahirciveen, about 2½ miles (4 km.) north-east from the former, and three-quarters of a mile (1 km.) south-west of the latter. It is quite remote from any other buildings. The general character of the country surrounding the Observatory is hilly. The eastern bank of the Cahir river is about 150 metres to the westward, and in that direction there is no very high ground between the Observatory and the open sea, some 3½ miles (6 km.) away. To the north-west, however, are hills varying in height from 400 (120 m.) to 900 feet (275 m.), the highest being less than 3 miles (5 km.) distant. These are only separated by a narrow gully running in a N N W direction from other hills equally high, which stretch away to the northward: the nearest of these is but little more than a mile (1½km.) from the Observatory. Beyond the town of Cahirciveen to the north-east the river opens out considerably, and the country in this direction becomes an open boggy basin, rising by only a gentle gradient. Southward of this, however, it soon rises again, and at about a mile south-east of the Observatory it culminates in the hill Bentee upwards of 1,245 feet (380 m.) in height. Still further south it opens out once more to a distance of nearly 5 miles (8 km.)

from the Observatory, where there is a range of hills running east and west, and varying in height from 400 (120 m.) to 1,300 feet (400 m.) To the south-west there is an opening to the sea, between Valentia Island and the mainland; and the circle of hills is completed by those on the Island itself, the highest of which is about 800 feet (240 m.) high, and bears about west-south-west from the Observatory. A contoured map of the surroundings, a general view from South, a site plan and a view showing the disposition of the various instruments were reproduced in the Introduction to the 1935 Volume.

METEOROLOGY

The elements dealt with in the following tables are:- atmospheric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, earth temperature, minimum temperature on the grass, together with a diary of cloud, visibility and weather.

Pressure and Temperature.-The photographic barograph and thermograph are installed in a room on the ground floor of the Observatory tower. The standard Fortin barometer, from which the control readings at 9h 15h and 21h are taken, is mounted in the same room beside a window which faces the north-east. The stems of the dry and wet bulb thermometers pass out into the screen placed against the north wall of the tower. Close to the bulbs of these thermometers are the bulbs of the standard thermometers from which the control readings at 9h 15h and 21h are taken.

Rainfall.- The Beckley rain-gauge and 8-inch (20·3 cm) check guage are placed in a railed-off enclosure about 40 metres to the north of the tower.

Sunshine.- The recorder is cemented to a wooden rail on the roof of the tower. The exposure of the sunshine recorder is such that there is no appreciable loss of record due to obstructions in the months of May, June, July and August. During the remainder of the year the hill Bentee lying to the south-east cuts off early morning sunshine. The reduction in possible record, assuming that the recorder becomes sensitive to sunshine only when the sun is at an altitude of more than three degrees, is shown in the following table for the 1st and 15th of each month:-

Reduction in Possible Record in Tenths of an Hour								
Month	Jan.	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.	Dec.
	hr	hr	hr	hr	hr	hr	hr	hr
1st	·5	·5	·7	·5	·3	·7	·5	·6
15th	·6	·5	·7	·3	·5	·7	·5	·5

Wind, Speed and Direction.- Up to 1925 measurements of wind speed and direction as given in tables 413-424, were obtained from the Robinson cup anemograph on the roof of the Observatory tower. From 1926 to 1931 measurements of wind speed and direction refer to records from an old pattern Dines Pressure Tube Anemometer. A comparison between the mean velocities as recorded

by this anemometer and the cup anemograph is given in the General Introduction. A new Dines Pressure Tube Anemometer with 1 -inch connecting pipes, was brought into use as from January 1st 1932. The new instrument was erected alongside the old instrument with its head at the same height: a comparison extending over the period May, 1931, to January, 1932, showed that the new instrument recorded higher velocities than the old. In hourly mean values the difference was nearly uniform and equal to ·4 m/s or 1 mi/hr. In great velocities the increase was approximately 12 per cent of the velocity recorded by the old instrument.

The site of the Dines Pressure Tube Anemometer is in an open field, about 250 metres S E by E of the Observatory tower. About 1 mile (1½ km.) to the south-east is the highest point (1,245 feet) of the hill Bentee which extends for some little distance in a northerly and south-westerly direction. A description of the surrounding country has already been given.

In a few instances where records of the Dines Pressure Tube Anemometers have been defective, the required values have been obtained from the records of the cup anemograph, a suitable adjustment of such values having been made in accordance with the table in the General Introduction showing the effect of exposure on the two instruments. Values thus obtained are entered as interpolated values.

Earth Temperature.- The thermometers are at depths of 30 cm. and 122 cm below the grass covered surface of the ground. The site is well exposed. The thermometers are of the standard type described in the "Meteorological Observers' Handbook".

Minimum Temperature on the Grass.- The grass minimum thermometer is of the type described in the General Introduction. It is exposed over short grass in the field enclosure. It is set at 18h and read at 7h on the succeeding day, the observation being entered to the day of reading.

Visibility.- List of the objects used for visibility observations and their distances and bearings from the point of observation are given in the following tables.

LANDWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY

Indication letter of object	Standard distance of object	Actual distance of object	Bearing of object in degrees from N	Description of object
	Metres	Metres		
A	25	25	350°	Gate near workshop
B	50	50	345°	White post in fence of instrument enclosure
C	100	100	125°	Hedge at S.end of vegetable garden
D	200	200	330°	Notice board on beach
E	500	475	100°	Bungalow

LANDWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY (Contd.)

Indication letter of object	Standard distance of object	Actual distance of object	Bearing of object in degrees from N	Description of object
	Metres.	Metres.		
F	1,000	1,100	50°	Parsonage
G	2,000	1,910	55°	Wireless school
Intermediate object.	-	3,500	20°	Top of Castlequin Mountain
h	4,000	-	-	No object available. (Top of Castlequin well visible)
I	7,000	7,600	40°	Top of Knocknadober Mountain
J	10,000	10,000	220°	Kilkeaveragh Mountain
Intermediate object.	-	17,000	55°	Drung Hill
k	20,000	-	-	No object available. (Drung Hill well visible)
l	30,000	-	-	No object available
m	50,000	-	-	No object available

SEAWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY

F	1,000	1,000	235°	Farmhouse on skyline
G	2,000	2,200	265°	Laght Point
H	4,000	3,760	280°	Black Rock
I	7,000	6,500	250°	Ridge between two hills on Valentia
J	10,000	10,000	220°	Kilkeaveragh Mountain
k	20,000	-	-	No object available
Intermediate objects	- -	23,500 25,500	320° 325°	Mount Eagle Croaghmarhin Mountain
l	30,000	-	-	No object available.(Croaghmarhin well visible)
m	50,000	-	-	No object available. (Croaghmarhin exceptionally visible)

Two observations, one in a landwards direction, the other in a seawards direction, are made at each hour of observation. The position of the Observatory is such that a distinction between visibility landwards and seawards cannot be made when the range of visibility is less than 1,000 yards. Objects corresponding with the letter A to E have therefore been included in the table of landwards objects only. Kilkeaveragh Mountain is used as both a landwards and seawards object corresponding with J.

Entries of "l" and "m" for visibility in a landwards direction are made:-

(a) When Croaghmarhin Mountain (see table of seawards objects) is clearly visible and there is reason to believe that the range of visibility in a landwards direction is as good as, or nearly as good as, visibility seawards.

(b) When Croaghmarhin Mountain is invisible but there is reason to believe from the appearance of Drung Hill that the range of visibility landwards is greater than the range seawards and is sufficiently good to justify the entry made.

When the mountains used as objects at 3,500 metres and beyond are cloud capped the appropriate entries for the range of visibility are determined by the clearness or otherwise with which the lower parts of the mountains can be seen.

The Observatory is far removed from smoky industrial areas; the observations are therefore not much affected by smoke pollution of the atmosphere.

Notes on the Meteorological Summaries.

The Weather of 1936.- Generally, the weather may be described as variable with no outstanding features. Rainfall was deficient by 161 mm, while sunshine was normal and temperature above the average. May, with an excess of sunshine and deficiency of rainfall was the best month of the year.

Pressure.- No change in the values used for reducing pressure at station level to pressure at mean sea level was made at Valentia Observatory by the introduction in 1928 of the revised scheme as set out in the General Introduction.

Mean Pressure for the year was 1·4 millibars below normal. Of the monthly mean pressures six were higher and six were lower than normal. The departures ranged from an excees of eight millibars in October to a deficiency of eighteen millibars in January. The extreme values recorded were 1035 mb. and 967 mb. on the 20th and 7th November respectively.

Details of the Fourier analysis of the diurnal inequalities of pressure for the year are given in Table A, together with normal values referring to the period 1871-1926 as computed by Dr.A.Crichton Mitchell.* From 1935 onwards, these values have been adjusted for Local Mean Time so as to agree with current data. The coefficients are given to the nearest ·01 mb. and the phase angles to the nearest 1°.

Temperature.- Mean temperature for the year was 0·9°A (1·6°F) above normal. For the individual months March, September and October each showed an excess of 2·0°A (3·6°F) while the greatest deficiency 1·6°A (2·9°F) occurred in January.

*Diurnal Variation of Pressure and Temperature at Cahirciveen (Valentia) by A.Crichton Mitchell D.Sc., 1871-1926. Q.J.R. Met. Soc. 1929. p.310

The harmonic analysis of the monthly and seasonal diurnal inequalities of temperature is given in Table B together with normal values referring to the period 1871-1926 as computed by Dr.A.Crichton Mitchell.* From 1935 onwards, these values have been adjusted for Local Mean Time so as to agree with current data. The coefficients are given to the nearest ·01°A and the phase angles to the nearest 1°.

Rainfall.- The total rainfall for the year was 1253 mm., this amount being 161 mm. below the average. Excepting January (+82 mm.) and August and October, (-77 mm. and -65 mm. respectively), monthly totals ranged about normal. Amounts in excess of 25 mm. were measured on 8 days.

Bright Sunshine.- Sunshine was normal. (1373 hours). May with a total of 233 hours (48% of possible) was the brightest and December with 33 hours (14% of possible) the dullest month.

Cloud and Weather.- The mean amount of cloud at all observation hours was 7·5. The most cloudy month was November with mean cloud amount of 8·3. The month with least cloud was May with a mean of 6·2.

Visibility.- The observations of visibility in tables 429-440 refer to visibility in a landwards direction. The observations, when the range of visibility seawards differs from the range landwards, are shown in the following tables:-

Date	Hour	Visibility Landwards	Visibility Seawards
Jan. 1	21	l	k
" 7	18	J	k
" 8	9	J	k
Feb. 4	13	l	k
" 5	18	k	H
" 6	13	I	H
" 6	21	k	J
" 9	15	J	k
" 13	18	I	H
" 22	15	J	k
Mar. 4	13	I	H
" 31	21	k	J
Apr.16	7	l	m
May 4	13	J	k
" 10	7	G	E
" 10	9	h	J
" 10	21	k	J
" 14	13	I	H
" 29	13	J	k
June 6	13	I	H
" 8	7	h	G
" 9	7	I	H
" 11	7	h	G
" 28	13	J	l
" 28	15	J	l
" 30	15	J	l
July17	18	J	k
" 28	9	J	k
" 30	18	G	H

Date	Hour	Visibility Landwards	Visibility Seawards
Aug. 5	9	h	G
" 5	15	h	G
" 13	18	h	G
" 20	15	k	I
" 26	7	J	k
" 30	18	k	J
Sept.2	13	k	J
" 4	13	J	k
" 5	15	J	k
" 7	13	J	k
" 9	13	I	H
" 11	18	J	k
" 11	21	J	k
" 17	18	J	k
" 17	21	J	k
" 18	13	F	I
" 20	9	J	k
" 25	7	J	F
" 25	9	k	J
" 25	18	l	k
Oct. 8	18	J	k
" 22	7	k	J
Nov. 2	9	k	J
" 10	7	J	k
" 17	9	J	H
" 21	7	k	J
Dec.15	18	G	H

*Diurnal Variation of Pressure and Temperature at Cahirciveen (Valentia) 1871-1926 by A.Crichton Mitchell D.Sc., Q.J.R. Met. Soc. 1929, p.310

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1936

Standard Fortin Barometer	M.O.	463	
Standard Dry Bulb Thermometer	M.O.	1701	Corrections Nil.
Standard Wet Bulb Thermometer	M.O.	1702	Corrections (255°-266°+ ·2° (267°-268°+ ·1° (269°-272° Nil. (273° and above, -·1°
Recording Beckley Rain-gauge			
Jardi Rate of Rainfall Recorder	M.O.	3	
Control Rain-gauge	M.O.	258	
Glass for Control Rain-gauge	M.O.	1572 & 1737	
Campbell Stokes Sunshine Recorder	M.O.	5	
Robinson Cup Anemograph	Beck	46	
Dines Pressure Tube Anemometer	M.O.	1084/30	
Grass Minimum Thermometers	(M.O.17735/29 (M.O.60391/35		corrections (2·0°F. - ·3°F. (12·0°F. - ·2°F. (32·0°F. Nil. (52·0°F. Nil. (72·0°F. Nil.
Earth Thermometer 1 ft.	M.O. 9		Corrections (260°A. + ·1° (280°A and above, Nil (273°A Nil.
Earth Thermometer 4 ft.	M.O.24005		Corrections (278°A. - ·1°A. (283°A and above, Nil

All thermometer corrections are applied before tabulation.

TABLE A

DIURNAL VARIATION OF BAROMETRIC PRESSURE FOURIER COEFFICIENTS

VALENTIA OBSERVATORY, LONGITUDE 10° 15′ W.

Values of c_n α_n in the series $\Sigma c_n \sin(15nt + \alpha_n)$, t being Local Mean Time reckoned in hours from midnight

Month or Season	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926
	mb	mb	°	°	mb	mb	°	°	mb	mb	°	°	mb	mb	°	°
January	·07	·10	25	162	·32	·32	160	153	·18	·16	358	250	·10	·07	195	208
February	·12	·12	134	194	·28	·34	140	148	·12	·11	2	346	·09	·04	88	92
March	·12	·12	174	157	·34	·36	164	150	·07	·04	316	262	·03	·04	41	50
April	·22	·10	88	191	·37	·31	146	149	·07	·03	176	171	·04	·04	360	11
May	·09	·17	50	180	·31	·27	166	147	·08	·07	179	165	·01	·02	340	347
June	·24	·20	163	199	·31	·25	142	146	·09	·08	165	161	·00	·00	229	340
July	·47	·24	189	183	·23	·25	149	143	·08	·08	167	161	·01	·01	325	11
August	·34	·25	193	188	·24	·28	146	144	·05	·05	171	163	·04	·03	335	345
September	·21	·19	13	203	·34	·34	129	153	·01	·00	236	50	·04	·04	277	6
October	·17	·20	153	198	·33	·34	162	160	·08	·07	343	359	·01	·01	73	56
November	·23	·08	133	184	·44	·34	164	161	·11	·13	3	6	·04	·03	149	167
December	·05	·13	245	191	·37	·32	153	160	·14	·16	356	358	·09	·07	200	198
Arithmetic Mean	·19	·16	...	...	·32	·31	...	...	·09	·08	...	...	·04	·03	...	...
Year	·11	·15	156	188	·32	·31	153	153	·03	·03	353	5	·01	·00	171	70
Winter	·09	·11	144	184	·36	·33	157	155	·13	·14	360	356	·06	·04	168	182
Equinox	·09	·15	101	191	·34	·34	150	153	·03	·02	305	351	·02	·03	358	25
Summer	·24	·21	181	188	·27	·26	152	145	·07	·07	170	162	·01	·02	332	350

TABLE B

DIURNAL VARIATION OF TEMPERATURE FOURIER COEFFICIENTS

VALENTIA OBSERVATORY, LONGITUDE 10° 15′ W

Values of c_n α_n in the series $\Sigma c_n \sin(15nt^\circ + \alpha_n)$, t being Local Mean Time reckoned in hours from midnight

Month or Season	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926
	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°
January	0·53	0·48	225	238	0·24	0·26	52	53	0·09	0·11	256	226	0·05	0·02	123	46
February	0·79	0·81	217	234	0·31	0·37	51	53	0·06	0·09	232	237	0·03	0·03	129	189
March	1·37	1·34	229	235	0·46	0·42	62	60	0·07	0·04	302	328	0·07	0·08	180	216
April	1·98	1·80	237	239	0·38	0·36	67	72	0·17	0·15	23	41	0·07	0·06	243	236
May	2·19	2·08	239	242	0·09	0·19	93	98	0·24	0·24	66	57	0·07	0·04	3	309
June	1·97	2·05	244	243	0·15	0·11	164	97	0·19	0·21	55	63	0·08	0·03	355	13
July	1·49	1·86	243	243	0·15	0·15	50	75	0·07	0·20	44	59	0·03	0·01	188	339
August	1·56	1·74	244	243	0·30	0·30	78	69	0·08	0·16	44	47	0·04	0·03	269	240
September	1·57	1·55	236	242	0·38	0·45	77	70	0·09	0·06	4	216	0·09	0·09	249	234
October	0·90	1·11	238	241	0·32	0·41	71	68	0·10	0·08	264	274	0·05	0·07	241	225
November	0·98	0·72	237	239	0·36	0·35	58	62	0·06	0·12	227	252	0·02	0·01	124	115
December	0·46	0·44	216	234	0·14	0·26	55	55	0·15	0·11	213	241	0·03	0·03	111	59
Arithmetic Mean	1·32	1·33	...	...	0·27	0·30	...	...	0·11	0·13	...	...	0·05	0·04	...	...
Year	1·31	1·33	237	240	0·25	0·30	68	66	0·03	0·05	20	38	0·01	0·02	225	234
Winter	0·68	0·61	226	236	0·26	0·31	54	56	0·09	0·10	229	232	0·03	0·13	122	92
Equinox	1·45	1·45	235	239	0·38	0·41	68	67	0·07	0·05	341	6	0·06	0·08	230	228
Summer	1·80	1·93	242	242	0·14	0·18	90	82	0·14	0·20	57	57	0·03	0·02	339	222

NOTE.- The seasonal means are derived from the following groups of months:- "Winter": January, February, November and December; "Equinox": March, April, September, and October: "Summer": May to August inclusive

TERRESTRIAL MAGNETISM

Notes on the Magnetic Observations for the year 1936

Absolute observations of declination, horizontal force and inclination were made weekly at Valentia Observatory during the year 1936. The instruments in use were Dover unifilar, No. 139, with collimator magnet 139A and mirror magnet 139C, and Dover dip circle, No.118. These instruments are the same as in previous years except that Dover dip circle, No. 239 was used from May 1930 to October 1931. The mean times of observations were 10·23 for declination, 11·43 for horizontal force and 14·31 for inclination, all according to Greenwich Mean Time. In the individual observations the greatest departure from the mean time in any element was 16 minutes. The deflection of the mirror magnet was measured for two distances of the collimator magnet, namely, 30 cm. and 40 cm. The complete deflection observation consisted of eight readings of the mirror magnet. The distribution constant, P, used for 1936 was computed from the mean deflections for 30 cm. and 40 cm. for the seven years 1929-1935 inclusive. The mean P so obtained was 7·39. The moment of the collimator magnet has decreased at the rate of about 1 unit per annum.

The values of declination, horizontal force and inclination obtained in the absolute observations are given in detail in Table C, but in Table D the

mean monthly values are computed only from such of these absolute observations as were taken at times subsequently found, by reference to the Eskdalemuir magnetograph curves, to be free from serious disturbance. Observations in Table C taken at disturbed times, and not, therefore, utilised for mean values in Table D, are marked with an asterisk. The north, west and vertical components and the total force for each month and the year are computed from the corresponding mean values of the observed elements.

Westerly declination has diminished by 11′·1 as compared with 1935. From 1934 to 1935 the decrease was 11′·0 and in the previous 12 months 10′·8. The average annual decrease for five year periods since 1910 is as follows:-

1910-15	1915-20	1920-25	1925-30	1930-35
8′·2	9′·2	11′·1	11′·0	10′·7

The rate of the eastward movement of the magnetic needle increased slowly up to about 1927, but is now apparently decreasing again.

Northerly inclination increased 0′·3 from 1935 to 1936. Changes during the past few years have been irregular but, on the whole, it appears that inclination is diminishing at a slow rate.

Up to 1920 the mean annual values of horizontal force had shown a steady decline from year to year. In the years 1921 to 1924, 1927, 1931, 1933 and in 1934 the change was in the opposite direction, each year having a mean value higher than that of the preceding year.

The amount of annual change is shown in the following table:-

Period	Annual Change.
1910-15	5γ decrease (Mean Value)
1915-20	6γ " (Mean Value)
1920-25	2γ increase (Mean Value)
1925-26	14γ decrease
1926-27	2γ increase
1927-28	11γ decrease
1928-29	5γ "
1929-30	8γ "
1930-31	2γ increase
1931-32	6γ decrease
1932-33	2γ increase
1933-34	1γ "
1934-35	8γ decrease
1935-36	3γ "

The reversal of the annual change in horizontal force in certain years was not accompanied by a corresponding reversal in total force. The average annual decrease in total force for five year periods since 1910 is as follows

1910-15	1915-20	1920-25	1925-30	1930-35
49γ	33γ	32γ	20γ	22γ

Total force which until 1935 had continued to decrease but at an apparently diminishing rate, has this year shown an increase of 1γ. Although small, this is the first time an increase has been recorded, since a re-examination of the 1934 values has disclosed an error in the computation of total force, giving a decrease of 24γ for 1935. The individual changes from year to year as shown in Table D are somewhat irregular, but this may be due

in considerable measure to instrumental uncertainties. The total force is computed from the horizontal force and the inclination, using the formula T=H sec.I, so that an error of 0·1 in I would give an error of approximately 4γ in T at Valentia. In addition, it is to be remembered that the secular change data for Valentia are obtained from absolute observations made at fixed hours at any of which the value obtained for an element may differ, by an amount which is not necessarily constant, from its true mean value for the day of observation. It is by no means improbable that owing to this and errors of observation, uncertainties to the extent of several tenths of a minute of arc may be introduced into the mean value of I for the year. For the average change over a series of years these possible errors are naturally much diminished and the average fall of 33γ per annum in the total force obtained from the values in Table D is probably a close approximation to the true change. This continued decrease in the total force indicates that the rise in the value of the horizontal force observed in certain years was not a true increase in the magnetic field but merely a component increase arising from the fall in the inclination, which becomes proportionately more effective in the horizontal component as the actual inclination angle itself becomes smaller. The magnetic field in the Valentia district has become less year by year, therefore, although, without observations of inclination, the opposite would have appeared to be the case in some years.

TABLE C

Valentia Observatory Absolute Magnetic Observations, 1936

Latitude 51° 56′ N. Longitude 10° 15′ W

Date	Westerly Declination	Horizontal Force	Northerly Inclination	Date	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′		° ′	′	° ′
January 3	16 29·8	17811	67 57·4	July 3	16 22·7	17788	67 58·7
" 10	16 29·4	17805	67 58·5	" 10	16 18·3	17796	67 56·6
" 17	16 27·0	17814	67 58·4	" 17	16 20·4	17790	67 55·9
" 24	16 27·9	17815	67 58·3	" 24	16 21·2	17819	67 57·1
" 31	16 29·2	17809	67 57·7	" 31	16 22·8	17809	67 58·3
February 7	16 26·0	17837	67 56·7	August 7	16 18·6	17804	67 56·3
" 15	16 27·9	17816	67 56·7	" 14	16 22·2	17818	67 56·8*
" 21	16 27·7	17828	67 58·1	" 21	16 19·8	17790	67 56·4
" 29	16 25·8	17818	67 57·5	" 28	16 22·0	17823	67 57·4
March 6	16 24·7	17806	67 57·7	September 4	16 19·5	17782	67 56·7
" 13	16 22·7	17814	67 57·1	" 11	16 19·5	17780	67 58·1
" 20	16 25·0	17802	67 57·5	" 18	16 20·2	17798	67 57·4
" 27	16 23·3	17782	67 58·0	" 24	16 16·9	17779	67 57·7
April 3	16 22·3	17786	67 58·1	October 2	16 17·3	17782	67 57·5
" 9	16 20·5	17805	67 57·4	" 9	16 20·0	17778	67 58·4
" 17	16 21·9	17777	67 56·8	" 16	16 20·8	17798	67 58·8
" 24	16 22·2	17786	67 57·5	" 23	16 19·2	17784	67 57·2
May 1	16 20·9	17807	67 57·7	" 30	16 18·9	17815	67 56·6
" 8	16 23·4	17793	67 57·1	November 6	16 18·0	17794	67 59·3
" 15	16 22·6	17802	67 57·4	" 13	16 18·6	17800	67 58·2
" 22	16 21·1	17785	67 58·6	" 20	16 20·3	17795	67 58·4
" 29	16 20·6	17802*	67 59·3	27	16 18·1	17812	67 57·8
June 5	16 18·2	17796	67 59·0	December 4	16 15·8	17818	67 57·5
" 12	16 21·9	17767	67 58·6	" 11	16 18·2	17808	67 57·5
" 19	16 27·8*	17690*	68 0·3*	" 18	16 18·6	17821	67 58·0
" 26	16 20·9	17811	67 57·0	" 23	16 17·1	17812	67 57·4
				" 31	16 18·0	17800	67 57·7

* Disturbance at these times. Values not utilised in computing means given in Table D

TABLE D

VALENTIA OBSERVATORY

Magnetic Data for the Year 1936

1936	Declination (West)		Inclination (North)		Horizontal Force	North	West	Vertical	Total
	°	′	°	′	γ	γ	γ	γ	γ
January	16	28·7	67	58·1	17811	17080	5052	44014	47481
February	16	26·9	67	57·3	17825	17095	5047	44019	47491
March	16	23·9	67	57·6	17801	17077	5025	43970	47436
April	16	21·7	67	57·5	17789	17069	5011	43937	47401
May	16	21·7	67	58·0	17797	17077	5013	43975	47441
June	16	20·3	67	58·2	17791	17073	5005	43968	47431
July	16	21·1	67	57·3	17800	17080	5011	43957	47424
August	16	20·7	67	56·7	17809	17089	5012	43957	47427
September	16	19·0	67	57·5	17785	17069	4997	43927	47390
October	16	19·3	67	57·7	17791	17074	5000	43949	47414
November	16	18·7	67	58·4	17800	17084	4999	43998	47461
December	16	17·5	67	57·6	17812	17097	4997	43998	47466
Year 1936	16	21·6	67	57·7	17801	17080	5014	43972	47438
Year 1935	16	32·7	67	57·4	17804	17067	5070	43969	47437
Year 1930	17	27·6	67	59·8	17813	16992	5345	44081	47546
Year 1925	18	22·4	68	0·0	17849	16939	5626	44177	47646
Year 1920	19	17·9	68	5·3	17840	16837	5896	44353	47806
Year 1915	20	3·8	68	7·9*	17869	16785	6130	44519*	47972*
Year 1910	20	44·6	68	13·0	17892	16732	6337	44771	48215

* Mean of 11 months only

343 VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	979·4	979·4	979·4	979·6	979·7	980·1	980·2	980·9	981·6	982·4	982·8	983·1	983·3	983·5	983·8	984·0	984·1	984·1	984·7	984·6	984·3	983·9	983·6	983·1	982·2
2	983·3	983·7	984·0	984·6	985·0	985·8	986·2	986·9	987·9	989·0	989·7	989·7	989·3	989·5	989·5	989·7	989·9	989·9	990·0	990·0	990·1	989·8	989·5	989·2	987·9
3	988·7	988·2	988·6	988·7	988·5	988·6	988·9	989·8	991·3	992·5	994·0	995·2	996·4	997·8	999·5	000·6	002·4	003·5	004·4	005·6	006·9	007·5	008·2	008·9	996·5
4	009·0	009·6	010·4	011·1	011·6	011·9	011·9	012·1	012·6	013·1	012·8	012·6	011·8	010·4	009·0	007·4	006·3	005·7	004·7	003·3	003·5	003·1	003·0	002·6	008·9
5	002·3	001·0	000·4	999·2	997·9	995·8	994·1	992·5	990·3	987·9	984·8	981·5	977·0	972·4	969·2	966·9	966·1	965·7	965·9	966·8	968·1	969·2	970·4	971·4	982·2
6	972·1	973·0	974·0	975·0	975·5	975·9	976·3	976·8	977·3	978·3	978·9	979·0	979·0	978·9	979·0	979·2	979·2	979·3	979·4	979·2	979·3	979·4	979·8	980·3	977·5
7	980·9	981·4	982·4	982·8	983·4	984·3	984·9	986·0	986·9	987·9	988·3	989·1	990·2	990·6	991·0	991·9	992·2	992·3	992·7	992·9	992·9	992·6	992·4	991·7	988·2
8	990·4	988·5	986·7	984·2	982·0	979·9	979·3	979·9	980·7	981·7	982·5	982·7	982·8	982·9	983·3	983·9	984·1	984·6	985·2	985·8	985·7	985·5	985·1	984·5	984·0
9	983·9	983·2	983·5	983·7	983·9	983·7	983·1	981·8	979·9	977·3	971·5	967·4	964·1	960·2	961·2	969·1	973·8	976·4	977·9	979·0	979·9	980·3	981·3	982·2	977·1
10	982·9	983·7	984·6	985·3	985·6	986·7	987·6	988·8	989·9	991·2	992·7	993·7	994·6	995·4	996·3	997·4	998·1	000·4	002·3	004·3	005·9	007·1	008·7	011·0	994·2
11	012·3	013·8	015·1	016·3	016·9	017·5	018·3	019·2	020·1	020·4	021·6	021·8	021·5	021·0	020·5	020·4	020·4	020·7	020·0	020·9	022·0	021·4	021·3	021·7	019·2
12	022·0	021·4	021·7	021·5	021·4	021·7	021·6	021·7	021·7	022·0	022·9	022·5	022·0	021·7	021·3	021·3	021·4	021·5	021·2	021·1	020·8	020·9	020·9	020·9	021·6
13	020·2	019·6	019·4	019·1	018·9	018·5	018·5	018·5	018·7	019·0	019·1	019·1	018·9	018·4	018·6	018·8	018·8	018·9	019·1	019·3	019·8	019·9	020·0	020·4	019·2
14	020·1	020·0	020·1	019·9	019·7	020·0	020·0	020·0	020·1	020·2	020·6	020·7	020·6	020·0	019·7	019·6	019·6	019·6	019·4	019·1	018·9	018·9	018·7	017·8	019·8
15	017·7	017·3	016·7	015·8	015·5	015·0	014·5	014·4	014·3	014·1	013·8	013·1	012·3	011·7	010·9	010·3	010·0	009·5	008·8	008·3	008·4	007·9	007·2	006·7	012·5
16	006·0	005·2	004·7	004·3	003·6	003·6	003·7	003·6	003·9	004·0	004·0	004·0	004·0	003·8	003·7	004·0	004·2	004·5	005·0	005·4	005·8	006·1	006·2	006·0	004·6
17	005·7	005·5	005·6	005·7	005·7	005·9	006·2	006·3	006·7	006·9	007·1	006·9	006·5	006·0	005·3	004·6	004·1	003·9	003·2	002·7	002·1	001·5	000·8	000·2	004·9
18	999·2	998·8	998·1	997·4	996·7	995·7	995·5	995·3	995·4	995·5	995·4	995·2	994·7	994·1	993·5	993·0	992·7	992·3	991·7	991·2	990·8	990·4	990·3	989·9	994·5
19	989·1	988·1	987·5	986·9	986·6	985·8	985·3	985·4	985·4	985·4	985·3	984·7	983·8	983·0	982·4	981·9	981·4	980·8	980·5	980·2	980·1	979·7	979·3	979·2	983·9
20	978·8	978·5	978·4	978·6	978·7	978·7	978·9	979·4	980·4	981·0	981·7	982·4	982·9	983·3	983·8	984·5	985·0	985·9	986·5	987·1	987·8	988·4	988·8	989·2	982·7
21	989·9	990·4	991·1	991·6	992·0	992·5	992·8	993·4	994·4	995·1	995·5	996·2	996·4	996·8	997·5	997·7	998·4	998·8	999·0	998·9	999·2	999·1	998·8	998·4	995·4
22	997·9	997·4	997·2	996·9	997·0	996·8	997·1	997·7	998·4	999·0	999·3	999·7	000·3	000·0	000·3	000·3	000·4	001·4	001·7	002·4	003·1	003·7	004·5	004·8	999·8
23	005·1	005·0	005·6	005·9	005·5	005·5	005·4	005·3	005·5	005·5	005·3	005·1	004·6	003·5	002·6	002·1	001·6	001·0	000·6	000·5	000·2	999·8	999·6	999·0	003·4
24	998·3	997·6	997·1	996·5	996·0	995·2	994·7	994·3	994·3	993·9	993·2	992·3	991·5	990·8	989·8	989·2	988·6	987·9	986·7	986·2	986·2	985·6	984·8	984·4	991·8
25	984·8	984·3	984·7	984·9	984·7	984·9	985·0	985·8	986·3	986·7	986·6	987·0	987·1	986·9	987·0	987·6	987·9	988·2	988·5	989·1	989·6	989·7	990·1	990·7	986·9
26	991·0	991·3	991·5	991·7	991·8	991·9	992·1	992·7	992·9	993·0	992·7	992·6	991·1	990·1	989·2	988·2	986·7	984·6	982·9	981·3	980·0	978·7	978·4	978·6	988·4
27	979·1	979·5	979·8	980·2	981·0	981·8	981·9	982·4	983·1	983·2	983·3	983·1	983·0	982·7	983·1	983·5	983·9	984·6	984·8	984·8	985·0	985·2	985·0	984·9	982·7
28	984·6	983·8	983·6	984·2	985·1	985·8	986·2	987·2	987·8	988·3	988·3	988·1	987·8	987·1	985·9	985·4	984·8	984·6	984·4	984·3	984·1	984·3	984·2	984·2	985·6
29	984·2	984·2	984·3	984·4	984·3	984·7	984·9	985·7	986·3	986·8	986·7	986·9	986·7	986·6	987·1	988·2	989·2	990·6	991·6	992·5	992·8	993·7	994·0	994·3	987·7
30	994·3	994·0	993·7	993·6	992·4	992·1	991·6	991·4	990·3	989·4	989·0	990·0	989·8	990·1	990·9	991·2	991·1	990·8	990·8	990·3	990·3	990·3	990·1	990·3	991·2
31	990·5	990·9	990·5	989·6	989·6	988·0	987·7	988·3	988·9	989·3	990·6	991·2	991·9	992·9	993·4	993·4	993·9	993·7	993·3	992·3	991·6	991·6	990·5	989·8	991·0
Mean (Station Level)	994 ·96	994 ·78	994 ·85	994 ·81	994 ·72	994 ·65	994 ·66	994 ·95	995 ·27	995 ·48	995 ·48	995 ·37	995 ·03	994 ·58	994 ·46	994 ·69	994 ·85	995 ·02	995 ·06	995 ·14	995 ·33	995 ·33	995 ·34	995 ·37	995 ·00
Mean (Sea Level)	996 ·62	996 ·44	996 ·51	996 ·47	996 ·38	996 ·31	996 ·32	996 ·61	996 ·93	997 ·14	997 ·14	997 ·03	996 ·69	996 ·24	996 ·12	996 ·35	996 ·51	996 ·68	996 ·72	996 ·80	996 ·99	996 ·99	997 ·00	997 ·03	996 ·66

344 VALENTIA OBSERVATORY: H_b = 13·7 metres FEBRUARY, 1936

Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	989·0	988·2	987·7	987·3	987·1	986·6	986·1	986·1	986·0	985·9	985·7	985·7	985·4	984·9	984·8	985·1	985·2	985·5	985·6	985·5	985·5	985·8	986·2	986·5	986·2
2	986·7	987·0	987·1	987·2	987·7	987·9	988·4	989·7	991·3	992·7	994·2	995·4	996·3	996·9	998·0	999·2	000·1	001·6	002·4	003·3	004·3	005·1	006·1	007·3	995·2
3	008·1	008·1	009·0	009·0	009·3	009·5	010·5	011·3	012·3	012·0	012·2	012·7	012·5	012·6	012·3	012·1	012·1	012·3	012·5	012·2	011·9	012·6	012·9	011·9	011·2
4	010·8	010·2	010·1	009·6	009·3	008·9	008·7	008·5	008·9	008·4	008·9	008·9	008·3	008·5	008·3	008·6	008·7	009·1	009·2	009·5	009·6	009·8	009·8	009·8	009·2
5	009·7	009·3	009·0	008·7	008·4	008·2	007·7	007·5	007·5	008·0	007·9	008·3	008·1	008·4	008·6	009·2	009·2	009·9	010·4	010·8	011·1	011·1	011·3	011·9	009·1
6	011·7	011·9	011·8	012·1	012·0	012·0	012·0	012·1	012·4	012·5	012·6	013·0	012·9	012·4	012·1	012·1	012·2	012·4	012·3	012·8	013·3	013·3	013·2	013·3	012·4
7	013·3	013·4	013·7	013·5	013·3	013·2	013·1	013·1	013·5	013·8	014·2	013·9	013·4	013·0	012·9	012·8	013·0	013·3	013·3	013·6	013·3	013·6	013·3	013·4	013·4
8	013·6	013·2	012·5	011·9	011·8	012·2	012·2	012·0	012·1	011·8	011·8	012·0	012·0	011·8	011·2	010·9	010·6	010·0	009·5	008·5	007·6	007·4	005·3	006·2	010·9
9	004·6	003·2	001·7	001·2	000·5	999·9	999·0	998·6	998·2	997·0	996·8	995·8	993·4	991·7	990·0	990·2	990·1	989·4	990·1	990·8	991·5	992·1	993·1	994·4	995·8
10	994·7	994·4	994·2	993·9	993·8	993·8	993·6	993·5	993·0	992·6	991·8	991·6	990·3	990·1	989·9	988·7	988·3	988·5	988·8	987·9	986·6	985·4	984·5	985·0	990·8
11	984·6	983·4	982·4	982·5	983·1	984·0	984·9	986·0	987·2	988·4	990·2	992·2	993·9	995·2	996·3	997·5	998·8	000·2	001·3	002·2	003·0	003·7	004·5	005·5	992·5
12	006·4	007·2	007·3	008·1	008·4	009·3	009·8	010·2	010·6	011·6	012·0	012·3	012·1	012·2	012·3	012·2	012·5	013·1	013·4	013·2	013·3	013·5	013·4	013·3	011·0
13	013·1	013·0	013·1	013·2	012·0	011·2	011·0	010·1	010·1	009·3	007·9	006·7	005·4	003·2	001·8	000·7	999·7	999·3	999·1	998·3	998·1	997·9	998·5	000·8	005·8
14	001·6	002·1	002·3	002·5	002·8	002·9	003·0	003·2	003·5	003·3	003·2	003·1	002·7	002·4	001·8	001·2	001·1	001·2	001·1	001·0	000·5	000·5	000·4	000·2	002·0
15	999·8	999·4	999·1	998·9	998·5	998·5	998·3	998·5	998·7	998·7	998·7	998·5	998·0	997·8	997·7	997·4	997·3	997·4	997·1	996·8	996·7	996·2	995·9	995·6	998·0
16	995·3	995·0	994·2	993·2	992·5	992·1	991·6	991·5	991·0	990·5	989·8	989·3	988·9	987·8	987·1	986·7	986·5	986·8	986·7	986·4	986·1	986·1	985·9	985·6	989·7
17	985·3	984·7	984·5	983·8	983·5	982·7	982·6	982·5	982·3	982·3	982·6	982·8	982·8	982·6	982·5	982·2	981·8	981·2	980·9	980·3	978·9	978·1	976·9	975·8	982·0
18	974·8	973·7	972·9	971·9	971·8	971·4	971·5	971·8	972·2	972·6	973·2	974·2	974·9	975·8	976·4	977·3	978·2	979·4	980·5	981·2	981·7	982·3	982·5	982·9	975·9
19	983·2	983·0	982·6	982·6	982·5	983·6	985·0	986·4	987·8	989·0	990·4	991·8	992·6	993·3	994·3	995·0	995·9	996·6	997·4	998·2	998·7	999·4	000·1	000·8	990·9
20	001·2	001·2	001·6	001·6	001·7	002·2	002·5	003·0	003·7	003·8	003·8	004·1	003·8	003·7	003·7	003·4	003·5	003·6	003·6	003·6	003·8	003·8	003·9	004·1	003·1
21	004·1	004·1	003·9	003·7	003·8	003·9	004·2	004·4	004·6	004·6	004·6	004·6	004·4	004·1	003·9	003·9	003·5	003·4	003·5	003·4	002·9	002·7	002·4	002·3	003·8
22	002·2	001·8	001·0	000·6	999·9	999·5	999·2	999·2	999·2	999·3	999·1	998·9	998·4	997·8	997·7	997·5	997·4	997·6	997·8	998·0	998·2	998·5	998·5	991·1	999·1
23	999·3	999·6	999·9	999·8	000·2	000·4	000·6	000·8	001·1	001·0	001·1	002·0	002·4	003·0	003·8	004·5	004·8	005·3	005·8	006·2	006·5	007·0	007·2	007·6	002·7
24	007·9	008·3	008·3	008·4	008·7	008·9	009·1	009·8	010·1	009·9	010·0	010·1	009·8	009·5	009·6	010·2	010·6	011·8	012·8	013·5	015·6	016·2	017·2	018·5	010·8
25	019·1	020·1	021·1	021·1	021·5	022·3	022·9	023·7	023·1	023·8	024·2	024·5	024·1	023·8	023·6	023·2	022·9	022·8	022·6	022·3	022·1	021·6	020·9	020·3	022·4
26	019·6	019·1	018·7	018·3	017·9	017·7	017·5	016·7	016·7	016·3	015·7	015·0	014·2	013·3	012·4	011·4	010·8	010·0	009·2	008·1	007·0	005·9	005·5	004·4	013·7
27	004·0	003·4	002·6	001·7	000·8	999·6	998·5	997·4	996·2	995·9	995·6	995·2	995·3	994·5	994·0	994·1	994·1	994·0	993·6	993·2	992·7	992·3	992·5	992·8	996·7
28	993·3	993·6	993·6	993·8	994·2	994·8	995·0	995·2	995·0	995·1	995·2	994·4	993·9	992·8	992·8	992·5	993·0	993·8	994·8	995·7	996·2	996·8	997·1	996·9	994·5
29	996·9	996·5	996·3	996·5	996·9	997·7	997·9	998·1	998·5	998·8	999·0	999·2	998·8	998·4	998·1	997·9	997·8	997·7	997·4	997·0	996·6	996·0	995·9	995·7	997·5
Mean (Station Level)	1001 ·17	1000 ·97	1000 ·77	1000 ·57	1000 ·48	1000 ·51	1000 ·57	1000 ·72	1000 ·92	1001 ·00	1001 ·12	1001 ·25	1001 ·00	1000 ·74	1000 ·62	1000 ·61	1000 ·68	1000 ·94	1001 ·13	1001 ·15	1001 ·15	1001 ·20	1001 ·20	1001 ·41	1000 ·91
Mean (Sea Level)	1002 ·84	1002 ·64	1002 ·44	1002 ·24	1002 ·15	1002 ·18	1002 ·24	1002 ·39	1002 ·59	1002 ·67	1002 ·79	1002 ·91	1002 ·66	1002 ·40	1002 ·28	1002 ·27	1002 ·34	1002 ·60	1002 ·80	1002 ·82	1002 ·82	1002 ·87	1002 ·87	1003 ·09	1002 ·58
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

345 VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Station Level Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	995·5	995·4	995·3	995·5	996·0	996·9	997·1	997·6	998·5	998·9	999·7	000·4	000·7	000·9	001·5	001·7	002·4	003·2	004·3	005·3	006·1	006·5	007·3	007·5	000·3
2	008·0	008·6	008·5	008·6	008·6	009·0	009·5	010·0	010·5	011·0	011·0	011·4	011·5	011·5	011·5	011·5	011·7	011·7	012·1	012·0	011·7	011·4	011·2	010·8	010·5
3	010·5	010·7	010·2	009·9	009·7	009·9	010·0	010·4	010·0	010·4	010·7	010·8	010·8	010·6	010·4	010·4	010·5	010·7	011·1	011·3	011·4	011·7	012·0	011·8	010·6
4	011·9	011·8	011·4	011·3	011·1	011·0	010·9	010·6	010·7	010·5	010·3	009·8	009·3	008·4	009·2	009·6	010·1	010·8	011·5	012·0	012·3	012·6	012·9	013·1	010·9
5	013·6	013·6	013·5	013·7	013·8	014·0	014·3	014·3	014·7	014·9	014·9	015·2	015·3	015·2	015·2	015·4	015·5	015·6	015·7	015·7	015·6	015·5	015·4	015·2	014·8
6	015·0	015·0	014·5	014·1	014·3	014·0	013·9	013·9	013·8	013·5	013·4	012·9	012·1	010·9	010·1	009·2	008·2	007·2	006·4	005·5	004·3	003·2	002·0	001·2	010·7
7	000·5	000·1	999·3	998·7	998·2	997·8	997·8	997·7	997·8	997·9	998·5	998·7	999·0	999·1	999·4	999·7	000·3	000·9	001·3	001·6	001·9	002·4	002·9	003·3	999·7
8	003·6	003·7	003·8	004·0	004·3	004·9	005·1	006·2	006·9	007·7	008·4	008·6	009·1	009·0	009·3	009·9	010·1	010·7	011·2	011·8	012·0	012·3	012·4	012·5	008·0
9	012·6	012·5	012·4	012·1	011·9	011·9	012·1	012·2	012·0	012·0	011·8	011·4	011·1	010·6	010·5	010·6	010·7	011·1	011·2	011·5	012·0	011·9	012·2	012·2	011·7
10	012·5	012·5	012·8	013·1	012·9	013·1	013·5	014·1	014·4	014·3	014·7	014·3	013·9	013·8	013·5	013·1	013·5	013·4	013·5	013·5	013·5	013·5	013·4	013·4	013·5
11	013·1	012·7	012·3	012·0	011·7	011·5	011·5	011·5	011·5	011·4	011·5	011·2	011·0	010·5	010·1	009·8	009·6	009·9	010·2	010·6	010·7	010·8	010·6	010·7	011·2
12	010·8	010·8	010·7	010·6	010·5	010·8	010·9	011·2	011·5	011·8	011·9	011·9	011·7	011·5	011·4	011·5	011·7	011·9	012·2	012·5	012·5	012·6	012·5	012·4	011·5
13	012·3	012·2	012·0	011·9	011·9	011·9	012·0	012·2	012·4	012·5	012·4	012·2	011·9	011·7	011·5	011·5	011·8	012·0	012·2	012·1	012·1	012·6	013·1	013·1	012·1
14	013·4	013·6	013·5	013·5	013·9	014·1	014·7	015·2	015·9	016·4	016·7	017·4	017·3	017·6	017·9	018·3	018·8	019·3	020·0	021·0	021·4	021·8	022·2	022·6	017·2
15	022·9	023·1	023·1	023·2	023·5	023·7	024·2	024·7	025·0	025·6	025·6	025·6	025·4	025·2	025·1	024·8	024·6	024·8	025·4	025·8	026·2	026·4	026·6	026·6	024·3
16	026·4	026·2	025·8	025·2	025·1	025·0	024·9	025·1	025·2	025·0	024·9	024·8	024·6	024·2	023·8	023·6	023·4	023·3	023·3	023·5	023·7	023·4	023·3	022·9	024·5
17	022·5	022·3	021·9	021·6	021·4	021·3	021·2	021·2	021·3	021·1	020·7	020·5	020·5	020·1	019·7	019·4	019·3	019·4	019·3	019·4	019·5	019·4	019·0	018·9	020·5
18	018·7	018·6	017·8	017·1	016·7	016·2	016·0	015·9	015·6	014·8	014·1	013·4	012·7	011·6	011·0	010·1	009·6	009·7	009·7	008·9	008·7	008·0	007·4	006·2	013·1
19	005·4	004·5	003·5	002·7	002·2	001·6	001·0	001·1	000·8	000·5	000·2	999·6	999·0	997·9	997·2	996·7	996·2	995·8	995·1	994·7	994·3	994·0	993·4	993·0	999·0
20	992·5	992·0	991·5	991·7	991·9	992·5	993·2	993·8	994·4	995·7	996·7	997·3	997·9	998·2	998·5	998·9	999·1	999·4	999·4	999·7	999·5	999·3	999·0	998·5	996·2
21	997·8	997·3	996·7	996·2	995·2	994·4	994·2	993·8	993·6	993·5	993·1	992·7	992·1	991·1	990·5	989·4	988·9	988·8	989·3	989·4	989·2	989·1	988·6	987·9	992·4
22	987·4	986·8	986·2	985·7	985·0	984·3	983·7	983·2	982·5	981·9	981·4	980·7	980·1	980·1	980·1	980·3	980·9	982·1	983·2	984·0	984·8	985·7	986·2	986·7	983·5
23	987·0	987·4	987·4	987·5	988·0	988·8	988·9	989·4	989·9	990·4	990·6	990·5	990·3	990·0	989·8	989·5	989·2	989·1	989·1	989·0	988·7	988·7	988·7	988·1	989·0
24	987·5	987·2	989·0	990·1	991·0	991·9	992·9	993·4	993·9	994·0	994·0	993·8	993·3	993·0	992·4	992·2	992·1	992·1	992·2	992·5	992·6	992·7	992·7	992·6	992·0
25	992·9	994·2	994·8	995·8	996·7	997·3	997·7	998·2	998·4	998·9	999·2	999·3	999·3	999·1	998·9	998·5	998·6	998·8	999·0	998·8	999·2	999·2	999·0	998·7	997·8
26	998·8	998·6	998·5	998·2	998·0	998·5	998·8	998·9	998·9	998·8	998·5	998·3	998·0	997·7	997·0	996·7	996·4	996·4	996·3	996·1	995·8	995·4	995·3	995·1	997·5
27	994·6	994·2	993·8	993·5	993·4	993·4	993·5	993·7	993·8	993·9	994·1	994·7	995·2	995·4	995·8	996·2	996·6	997·2	997·8	998·3	998·7	999·0	999·3	999·4	995·6
28	999·8	000·0	000·1	000·2	000·2	000·3	000·5	000·5	000·4	000·3	000·1	000·1	999·6	999·6	999·4	999·2	998·7	998·2	997·6	997·0	995·8	994·2	992·2	990·7	998·7
29	989·6	989·0	988·3	987·7	987·5	986·9	986·4	986·0	985·6	985·2	985·4	985·9	986·7	987·1	988·1	989·4	991·1	993·3	995·2	996·4	997·7	998·8	999·5	000·4	990·1
30	001·0	001·2	001·5	002·0	002·2	002·6	003·1	003·8	004·0	004·1	004·2	004·5	004·6	004·7	004·3	004·2	004·3	004·1	004·3	004·5	004·8	004·7	004·9	004·6	003·6
31	004·6	004·4	004·2	004·2	004·1	004·5	004·8	005·1	005·3	005·8	005·9	006·2	006·5	006·4	006·5	006·2	005·9	005·9	005·9	005·8	005·7	005·6	005·3	005·0	005·4
Mean (Station Level)	1005 ·25	1005 ·17	1004 ·98	1004 ·89	1004 ·87	1004 ·97	1005 ·11	1005 ·32	1005 ·46	1005 ·57	1005 ·63	1005 ·62	1005 ·50	1005 ·25	1005 ·15	1005 ·08	1005 ·15	1005 ·38	1005 ·65	1005 ·81	1005 ·88	1005 ·88	1005 ·82	1005 ·65	1005 ·37
Mean (Sea Level)	1006 ·92	1006 ·84	1006 ·65	1006 ·57	1006 ·55	1006 ·65	1006 ·79	1006 ·99	1007 ·13	1007 ·24	1007 ·29	1007 ·28	1007 ·16	1006 ·91	1006 ·81	1006 ·74	1006 ·81	1007 ·04	1007 ·31	1007 ·47	1007 ·55	1007 ·55	1007 ·49	1007 ·32	1007 ·04

346 VALENTIA OBSERVATORY: H_b = 13·7 metres — APRIL, 1936

Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	004·6	004·0	003·4	003·0	002·7	002·6	002·8	003·2	003·7	004·3	004·4	004·8	005·3	005·9	006·4	006·9	007·3	007·8	008·5	009·3	010·1	010·6	010·9	011·2	005·9
2	011·3	011·5	011·7	011·9	012·0	012·1	012·6	013·1	013·3	013·4	014·1	014·0	014·0	014·0	013·6	013·6	013·2	013·6	013·7	014·0	014·0	014·1	013·4	012·9	013·1
3	012·9	012·7	012·1	011·4	010·8	010·4	009·8	009·4	009·3	008·6	008·8	008·2	007·9	007·4	007·2	007·1	007·2	007·2	007·3	008·0	008·3	008·7	009·0	009·3	009·2
4	010·0	010·2	010·5	011·3	011·7	012·0	012·5	013·5	013·6	013·6	013·8	015·2	015·3	015·5	015·5	015·6	016·0	016·5	017·2	018·0	018·8	019·0	019·2	019·3	014·5
5	019·5	019·5	019·5	019·5	019·8	020·4	021·0	021·3	021·8	021·9	022·8	023·2	022·9	023·0	023·0	023·1	023·0	023·0	023·5	024·1	024·8	025·4	025·3	025·1	022·2
6	025·0	024·7	024·0	023·7	023·6	023·8	024·2	024·4	024·4	023·9	023·4	022·6	021·4	020·8	020·4	020·2	019·7	019·5	019·5	020·0	019·8	019·8	019·7	019·5	022·1
7	019·2	018·5	017·5	017·3	017·2	017·3	017·5	017·8	017·7	017·8	018·0	017·7	017·6	017·4	017·4	017·1	017·1	017·3	017·6	018·1	018·7	018·8	018·8	018·8	017·9
8	018·7	018·6	018·3	018·2	018·3	018·6	019·0	019·2	019·4	019·5	019·6	019·6	019·7	019·6	019·5	019·4	019·3	019·5	019·7	019·8	019·9	019·9	020·4	020·4	019·3
9	020·5	020·7	020·3	020·4	020·8	021·1	021·5	021·8	022·4	022·2	022·0	021·7	021·3	020·9	020·6	020·5	020·3	020·4	020·5	020·8	020·8	020·7	020·7	020·8	021·0
10	020·6	020·3	020·1	019·9	019·7	019·6	020·1	020·1	019·9	019·7	019·4	019·0	018·7	018·5	018·4	018·5	018·6	018·5	018·5	018·7	018·7	018·7	018·7	018·6	019·3
11	018·4	018·4	018·2	017·9	017·8	017·6	017·7	017·7	017·7	017·6	017·1	016·8	016·8	016·7	016·5	016·2	016·1	016·2	016·2	016·5	016·3	016·0	015·5	015·4	017·0
12	015·0	014·6	014·2	013·8	013·5	013·1	013·0	012·9	012·9	012·7	012·6	012·2	012·0	011·2	010·9	010·4	010·3	010·2	010·4	010·9	011·0	011·3	011·4	011·3	012·2
13	011·1	011·1	010·8	010·7	010·8	010·9	011·0	010·7	010·3	010·0	009·4	008·5	007·8	007·3	006·7	006·0	005·7	005·5	005·2	005·2	005·1	004·8	004·8	004·5	008·2
14	004·7	004·7	004·5	004·5	004·7	004·6	004·8	005·1	005·3	005·1	004·9	004·9	004·6	004·6	004·5	004·9	004·8	005·6	006·2	007·2	007·4	007·6	007·5	007·7	005·4
15	007·9	007·6	007·6	007·4	007·6	008·0	008·1	008·0	008·0	008·2	008·3	008·0	008·0	007·8	007·6	007·2	007·0	007·0	008·9	007·1	007·2	007·2	007·0	007·1	007·6
16	008·8	006·5	006·3	006·0	005·9	005·9	006·0	006·0	006·0	006·2	006·6	006·8	007·0	007·3	007·7	008·0	008·3	008·9	009·3	009·9	010·5	011·0	011·3	011·6	007·6
17	011·8	012·0	012·1	012·4	012·9	013·5	014·0	014·5	015·0	015·6	015·9	016·1	016·6	017·0	017·2	017·5	017·8	018·1	018·3	018·6	019·2	019·5	019·4	019·4	015·9
18	019·3	019·1	018·9	018·8	018·6	018·8	018·9	018·8	018·8	018·9	018·9	018·7	018·5	018·2	018·0	018·0	018·0	018·0	018·0	018·1	018·4	018·3	018·5	018·5	018·6
19	018·2	017·9	017·7	017·5	017·6	017·7	018·0	018·0	017·8	017·7	017·6	017·1	016·7	016·6	016·3	015·3	014·7	014·0	013·1	011·7	010·4	008·8	007·3	006·8	015·4
20	005·9	005·1	004·6	004·9	005·2	006·5	007·7	008·5	009·1	009·5	009·8	010·3	010·2	010·1	009·7	009·4	009·1	009·1	008·8	008·2	007·6	007·1	006·0	004·4	007·8
21	002·3	000·6	998·8	996·1	993·9	991·5	990·6	989·7	989·2	988·5	988·6	988·6	988·4	988·2	987·4	986·6	985·5	985·3	987·1	990·2	995·4	998·3	001·5	003·8	992·8
22	005·7	006·8	008·2	009·6	010·6	011·9	013·0	013·8	014·4	014·9	015·5	015·9	016·0	016·1	015·6	015·3	015·3	015·4	015·4	015·5	015·2	014·5	013·7	013·3	013·2
23	012·1	011·0	009·6	008·0	007·2	006·2	005·1	004·1	003·1	001·9	000·8	001·0	001·4	002·0	002·0	002·4	003·4	004·4	005·3	006·2	007·2	007·9	008·5	009·1	005·5
24	009·4	009·7	009·8	009·8	009·7	009·4	009·5	009·1	009·3	009·5	009·8	009·8	009·7	009·6	009·6	009·2	009·4	009·4	009·3	009·8	010·1	010·6	010·8	011·1	009·7
25	011·3	011·4	011·5	011·6	011·5	011·8	011·9	011·8	011·6	011·5	011·4	011·2	011·2	010·8	011·0	010·8	010·7	010·6	010·6	010·9	011·3	011·7	012·0	012·2	011·3
26	012·5	012·9	013·3	014·0	014·6	015·5	016·4	017·2	017·6	018·3	019·1	019·7	020·6	021·3	021·7	022·2	022·9	023·4	023·8	024·6	025·3	025·5	025·7	025·7	019·5
27	025·9	026·2	026·3	026·2	026·3	026·3	026·8	027·0	027·2	027·2	027·1	027·3	027·2	027·1	027·0	026·7	026·7	026·4	026·2	025·9	025·8	025·5	025·2	024·7	026·4
28	024·0	023·4	022·9	022·7	023·0	023·1	023·3	023·6	023·9	024·5	025·0	025·5	025·8	026·2	026·3	026·8	027·3	027·7	028·0	028·6	029·1	029·4	029·9	030·0	025·7
29	030·1	030·0	030·3	030·4	030·8	031·1	031·4	031·6	031·8	032·0	032·2	032·2	032·2	032·1	031·9	031·8	031·8	031·6	031·7	031·8	032·1	032·1	032·1	031·9	031·5
30	031·8	031·4	031·3	031·2	031·0	031·0	031·0	030·9	030·9	030·6	030·3	030·1	029·8	029·6	029·5	029·0	028·8	028·6	028·4	028·3	028·5	028·3	028·2	028·0	029·9
Mean (Station Level)	1014 ·88	1014 ·70	1014 ·48	1014 ·33	1014 ·33	1014 ·41	1014 ·64	1014 ·76	1014 ·85	1014 ·84	1014 ·91	1014 ·89	1014 ·82	1014 ·76	1014 ·64	1014 ·52	1014 ·51	1014 ·62	1014 ·81	1015 ·20	1015 ·57	1015 ·70	1015 ·76	1015 ·75	1014 ·85
Mean (Sea Level)	1016 ·58	1016 ·40	1016 ·18	1016 ·03	1016 ·03	1016 ·11	1016 ·34	1016 ·45	1016 ·54	1016 ·53	1016 ·59	1016 ·57	1016 ·50	1016 ·44	1016 ·32	1016 ·20	1016 ·19	1016 ·30	1016 ·50	1016 ·89	1017 ·26	1017 ·39	1017 ·45	1017 ·45	1016 ·54

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

347 VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	027·7	027·1	026·7	026·4	026·3	026·4	026·5	026·4	026·2	026·1	026·0	025·8	025·7	025·3	025·1	025·0	025·0	024·9	024·9	025·1	025·3	025·3	025·2	025·1	025·9
2	024·8	024·5	024·3	024·1	024·1	024·2	024·2	024·2	024·2	024·2	024·1	024·1	024·1	024·0	023·9	023·8	023·7	023·6	023·7	023·8	024·1	024·4	024·7	024·5	024·1
3	024·2	023·8	023·3	023·1	023·2	023·4	023·3	023·2	023·3	022·9	022·5	022·2	021·5	021·1	020·5	020·0	019·6	019·3	019·0	018·8	018·6	018·1	017·6	016·9	021·4
4	016·5	015·6	014·4	013·5	013·0	012·6	012·1	011·7	011·2	010·7	010·2	009·8	009·2	008·7	008·1	007·5	007·0	006·7	006·9	006·9	006·5	006·2	005·7	005·3	010·1
5	005·4	004·6	004·3	004·0	004·0	003·8	003·7	003·7	003·6	003·4	003·2	002·8	002·9	003·0	002·9	002·8	002·9	003·2	003·6	004·0	004·1	004·2	004·2	004·3	003·7
6	004·1	004·2	004·3	004·5	005·0	005·7	006·1	006·7	007·1	007·5	007·8	008·0	008·4	008·7	009·3	009·7	010·0	010·7	011·2	012·1	013·1	013·4	013·7	013·8	008·3
7	014·0	014·2	014·4	014·9	015·4	015·9	016·2	016·3	016·4	016·7	017·0	017·1	017·3	017·4	017·5	017·5	017·8	017·9	018·2	018·3	018·5	018·5	018·4	018·4	016·7
8	018·2	018·1	017·7	017·4	017·5	017·5	017·5	017·5	017·5	017·4	017·2	016·9	016·6	016·4	016·3	016·4	016·5	016·6	016·7	016·8	017·0	017·0	016·9	016·8	017·1
9	016·6	016·4	016·4	016·2	016·3	016·1	016·2	016·2	016·1	016·0	016·2	016·4	016·4	016·1	016·1	016·2	016·1	016·3	016·7	017·0	017·1	017·3	017·2	017·2	016·4
10	017·2	017·0	016·7	016·7	016·9	017·4	018·1	018·1	018·0	017·9	018·0	018·0	018·3	018·4	018·6	018·4	018·3	018·5	018·5	018·6	018·8	018·7	018·6	018·4	018·0
11	018·4	018·4	018·3	018·3	018·3	018·2	018·2	018·2	018·1	018·0	017·9	017·5	017·0	016·6	016·2	016·1	016·0	015·9	015·8	015·9	016·1	016·1	016·1	016·1	017·2
12	016·4	016·9	017·1	017·3	017·5	018·0	018·4	018·9	019·2	019·5	019·6	019·9	020·2	020·4	020·3	020·5	020·3	020·6	020·6	020·7	020·7	020·5	020·3	020·0	019·2
13	019·4	019·1	018·2	017·6	017·2	016·9	016·5	016·2	015·8	015·2	014·8	014·3	014·2	014·9	015·1	015·4	015·5	015·5	016·0	016·7	017·2	017·4	017·4	017·1	016·5
14	016·8	016·5	015·9	016·0	015·7	015·3	014·9	014·2	012·8	011·5	010·6	009·4	008·4	007·3	006·1	004·9	003·9	003·1	002·3	001·7	001·6	003·3	003·3	003·3	009·4
15	008·1	008·0	008·1	008·4	004·0	004·7	005·4	006·0	006·5	007·2	007·5	007·7	007·8	008·0	008·2	008·3	008·3	008·6	008·9	009·0	009·4	009·4	009·2	008·9	006·8
16	008·7	008·2	007·8	007·8	007·7	007·6	008·0	007?9	007·9	008·1	008·0	008·0	008·1	008·3	008·5	008·5	008·9	009·2	009·7	010·5	011·3	011·7	011·9	011·7	008·9
17	011·4	011·5	011·3	011·4	011·5	011·8	012·0	012·2	012·5	012·6	012·7	012·7	012·6	012·5	012·7	013·1	013·5	014·0	014·4	015·1	015·8	016·2	016·6	016·8	013·1
18	016·7	017·1	017·5	017·8	018·0	018·5	019·2	020·0	020·3	020·2	020·5	020·5	020·5	020·4	020·3	020·5	020·5	020·4	020·7	021·3	021·7	021·7	021·6	021·4	019·8
19	021·2	020·9	020·7	020·8	020·8	021·0	020·9	021·2	021·2	021·5	021·6	021·8	021·7	021·9	021·6	021·6	021·3	021·0	021·1	021·6	021·8	021·9	021·9	021·8	021·4
20	021·6	021·2	020·8	020·8	020·8	020·7	020·9	021·0	021·1	021·1	020·9	021·0	021·1	021·0	021·0	020·9	020·9	021·1	021·3	021·8	022·2	022·6	022·7	022·8	021·3
21	022·8	023·0	023·0	022·9	022·9	023·3	023·2	023·4	023·4	023·6	023·6	023·4	023·1	023·2	023·2	023·1	023·0	023·1	023·0	022·9	023·2	023·1	022·9	022·6	023·1
22	022·1	021·7	021·4	021·1	021·0	020·5	020·6	019·8	019·2	018·6	018·0	017·2	016·4	015·6	014·9	014·1	013·7	013·1	012·3	011·5	010·4	009·3	008·2	007·7	016·5
23	007·7	008·3	009·0	009·5	009·6	010·3	011·0	011·5	011·2	011·5	011·7	011·9	011·3	011·3	011·4	011·5	011·8	012·3	012·7	013·1	013·3	013·5	013·6	013·7	011·2
24	013·4	012·8	012·9	012·4	012·4	012·3	012·5	012·6	012·6	012·4	012·3	011·8	011·4	011·3	011·1	010·9	011·0	011·2	011·3	011·7	012·1	012·3	011·9	011·5	012·1
25	011·2	010·8	010·5	010·1	010·0	010·2	010·3	010·5	010·9	011·0	010·8	010·8	010·8	010·7	010·4	010·6	010·7	010·9	011·4	012·1	012·9	013·6	014·5	014·6	011·2
26	015·2	015·6	015·9	016·5	017·1	017·5	018·0	018·6	018·9	019·2	019·6	019·7	019·7	019·6	019·5	019·2	019·3	019·9	020·8	020·6	020·7	020·9	021·1	020·9	018·8
27	020·8	020·3	020·2	020·0	020·2	020·5	020·7	021·1	021·1	021·3	021·5	021·5	021·3	021·3	020·9	020·7	020·8	020·7	020·6	020·9	021·3	021·6	021·6	021·7	020·9
28	021·8	021·8	021·8	021·9	022·0	022·4	022·7	022·7	022·9	023·2	023·4	023·3	023·0	022·7	022·5	022·4	022·1	021·9	021·8	021·8	022·0	022·0	021·9	021·3	022·3
29	021·1	020·5	020·2	019·7	019·6	019·2	018·9	018·9	018·5	018·4	018·0	017·4	017·0	016·6	015·8	015·4	014·7	014·4	014·3	013·9	013·9	013·4	012·9	012·3	017·1
30	011·8	011·4	011·1	010·7	010·7	010·9	011·0	011·4	011·2	011·3	011·8	012·1	012·2	012·5	012·8	013·1	013·3	013·7	014·1	014·7	015·4	015·8	016·1	016·3	012·6
31	016·5	016·6	016·8	017·0	017·3	017·5	017·8	018·4	018·5	018·5	018·7	018·9	019·0	018·9	018·8	018·9	019·0	018·9	018·8	018·7	018·7	018·6	018·4	017·8	018·2
Mean (Station Level)	1016 ·35	1016 ·17	1016 ·00	1015 ·93	1016 ·00	1016 ·14	1016 ·29	1016 ·41	1016 ·37	1016 ·35	1016 ·31	1016 ·19	1016 ·04	1015 ·94	1015 ·79	1015 ·71	1015 ·66	1015 ·72	1015 ·85	1016 ·05	1016 ·28	1016 ·39	1016 ·33	1016 ·16	1016 ·11
Mean (Sea Level)	1018 ·03	1017 ·85	1017 ·68	1017 ·61	1017 ·68	1017 ·82	1017 ·97	1018 ·06	1018 ·04	1018 ·02	1017 ·97	1017 ·85	1017 ·70	1017 ·59	1017 ·44	1017 ·36	1017 ·31	1017 ·38	1017 ·52	1017 ·72	1017 ·95	1018 ·06	1018 ·01	1017 ·84	1017 ·78

348 VALENTIA OBSERVATORY: H_b = 13·7 metres — JUNE, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	017·2	016·3	015·5	014·8	014·2	013·8	013·3	012·9	012·4	011·9	011·0	010·7	010·8	010·5	010·3	010·5	011·0	011·6	012·0	012·2	012·9	013·4	013·6	013·7	012·9
2	013·7	013·9	014·0	013·8	014·2	014·7	015·3	015·5	015·6	015·8	016·2	016·4	016·6	016·6	016·5	016·6	016·8	017·0	016·9	017·1	017·2	017·4	017·4	017·4	015·9
3	017·1	016·9	016·8	016·5	016·7	016·9	016·9	017·0	017·1	017·4	017·6	017·9	017·9	017·8	017·9	017·8	017·9	018·1	018·5	018·9	019·3	019·9	020·1	020·2	017·8
4	020·3	020·2	020·1	020·2	020·3	020·5	020·8	021·1	021·4	021·4	021·6	021·6	021·8	021·8	021·8	021·7	021·7	021·8	022·0	022·4	022·7	022·8	022·9	022·8	021·4
5	022·7	022·5	022·2	021·8	022·1	022·3	022·6	022·8	023·0	022·9	022·8	022·8	022·7	022·6	022·6	022·4	022·1	021·7	021·5	021·5	020·8	021·0	020·2	019·5	022·1
6	018·9	018·1	017·5	017·0	016·7	016·9	016·9	017·1	017·1	017·1	016·9	017·1	017·0	016·8	016·9	016·5	016·6	016·4	016·2	016·3	016·5	016·3	016·1	015·8	016·9
7	015·6	015·3	015·0	014·9	015·0	015·4	015·8	016·3	016·8	017·1	017·4	017·8	017·9	017·9	018·0	018·0	018·2	018·4	018·5	018·8	019·2	019·5	019·8	019·9	017·3
8	019·8	019·8	019·9	020·0	020·1	020·5	021·1	021·4	021·5	021·9	022·2	022·2	022·4	022·4	022·6	022·5	022·5	022·5	022·7	023·0	023·4	023·7	023·4	023·2	021·8
9	022·8	022·4	022·3	022·0	022·0	021·8	021·7	021·6	021·5	021·0	020·9	020·7	020·5	020·1	019·6	019·3	018·7	018·3	018·3	018·4	018·6	018·8	018·9	019·0	020·5
10	019·0	019·3	019·3	019·6	019·6	019·7	020·0	020·3	020·2	020·0	019·6	019·3	019·3	019·0	018·7	018·2	017·9	017·6	017·3	017·1	016·7	016·2	015·5	014·6	018·6
11	014·1	013·2	012·5	012·0	011·5	011·5	011·6	012·1	012·4	012·9	013·3	013·5	013·7	013·8	013·9	014·1	014·0	014·4	014·6	014·9	015·1	015·4	015·5	015·6	013·5
12	015·7	015·5	015·6	015·6	015·7	016·1	016·3	016·5	016·7	016·7	016·8	016·8	016·9	016·9	017·0	017·0	016·9	017·0	017·4	017·8	018·0	018·2	018·3	018·1	016·8
13	018·1	017·8	017·7	017·6	017·6	017·9	017·9	017·8	017·8	017·9	017·7	017·4	017·5	017·2	016·8	016·5	016·3	016·1	015·9	015·5	015·2	015·2	014·4	013·7	016·9
14	013·1	012·7	012·5	012·2	012·2	011·9	011·4	011·2	011·1	011·8	012·4	012·8	013·2	013·3	013·7	013·8	013·6	013·7	013·9	014·1	014·3	014·2	014·2	014·1	013·0
15	014·2	014·2	014·3	014·3	014·8	014·9	015·3	015·6	015·8	015·7	015·8	015·6	015·2	014·8	014·4	014·1	013·6	012·8	012·1	011·2	010·4	009·7	009·0	008·2	013·7
16	007·4	006·7	006·2	005·6	005·3	004·6	004·5	005·5	006·0	006·3	006·4	006·4	006·4	006·3	006·2	006·2	006·3	006·5	006·5	007·1	007·6	008·3	008·6	008·9	006·5
17	008·9	008·9	008·9	009·0	009·4	010·0	010·2	010·6	010·8	011·4	011·9	012·1	012·4	012·6	013·0	013·2	013·3	013·4	013·9	014·3	015·0	015·2	015·3	015·4	011·9
18	015·6	015·3	015·3	015·2	015·5	015·8	016·3	016·5	016·8	017·1	017·5	017·7	017·9	017·9	018·0	018·1	018·2	018·0	018·7	018·9	019·6	019·6	019·4	019·3	017·3
19	018·2	017·8	016·7	015·8	015·4	015·2	014·9	014·7	013·9	014·1	013·5	013·1	012·6	011·9	011·3	010·9	010·4	010·6	010·5	010·3	010·2	010·1	010·2	010·0	013·2
20	009·6	008·8	008·7	009·0	009·0	008·8	008·6	008·6	008·6	008·4	008·5	008·1	007·8	007·3	006·8	006·7	006·5	006·4	006·3	006·7	006·7	006·9	006·6	006·6	007·8
21	006·5	006·2	005·6	004·9	004·4	004·1	004·2	003·9	003·7	003·6	003·9	003·8	004·0	004·5	005·0	005·6	006·1	006·5	006·9	007·1	008·2	008·8	009·2	009·1	005·6
22	009·2	009·1	009·0	008·9	008·9	009·0	009·1	009·2	009·2	009·2	009·1	009·3	009·5	009·6	009·8	010·1	010·5	010·5	010·9	011·1	011·8	012·4	012·6	012·9	010·0
23	013·3	013·5	013·5	013·8	014·1	014·5	015·2	015·6	015·9	016·3	016·9	017·4	017·7	018·0	018·4	018·5	018·8	019·1	019·5	019·7	020·4	020·7	020·7	020·7	017·0
24	020·6	020·5	020·4	020·3	020·6	020·4	020·6	020·8	020·8	021·1	021·0	021·0	021·0	020·9	020·8	020·6	020·6	020·4	020·4	020·5	020·9	021·1	021·1	021·0	020·7
25	020·6	020·4	020·1	019·8	019·8	019·8	019·8	019·7	019·7	019·6	019·6	019·5	019·5	019·4	019·2	019·0	019·0	018·9	019·1	019·3	019·4	019·8	020·1	020·2	019·7
26	020·2	020·1	020·3	020·2	020·3	020·3	020·7	020·8	021·0	021·1	021·1	021·1	021·3	021·2	021·1	020·9	020·9	020·5	020·7	020·7	020·7	020·8	020·9	020·8	020·7
27	020·6	020·5	020·1	019·7	019·8	019·5	019·4	019·5	019·4	019·1	019·2	019·1	018·9	018·7	018·4	018·0	017·6	017·3	017·3	017·1	017·2	017·0	016·8	016·5	018·7
28	016·0	015·3	014·9	014·4	013·8	013·6	013·4	013·1	012·7	012·2	011·8	011·6	011·0	010·8	010·4	009·9	009·5	008·9	008·5	008·6	008·5	008·7	008·3	007·9	011·6
29	007·7	007·2	006·6	006·2	006·1	005·8	005·6	005·4	005·4	005·1	004·9	004·8	004·9	004·4	004·1	003·9	003·6	003·3	003·3	003·5	003·6	003·8	003·6	004·9	004·9
30	002·7	002·1	001·6	001·1	001·0	001·0	001·0	000·9	000·8	000·7	000·8	000·6	000·4	000·4	000·3	000·6	000·5	000·4	000·8	001·0	001·4	001·6	001·7	001·6	001·1
Mean (Station Level)	1015 ·31	1015 ·00	1014 ·77	1014 ·54	1014 ·54	1014 ·57	1014 ·68	1014 ·80	1014 ·84	1014 ·89	1014 ·94	1014 ·94	1014 ·96	1014 ·85	1014 ·78	1014 ·71	1014 ·65	1014 ·60	1014 ·70	1014 ·84	1015 ·05	1015 ·22	1015 ·15	1015 ·00	1014 ·86
Mean (Sea Level)	1016 ·98	1016 ·67	1016 ·44	1016 ·21	1016 ·21	1016 ·24	1016 ·34	1016 ·45	1016 ·49	1016 ·54	1016 ·59	1016 ·58	1016 ·60	1016 ·49	1016 ·42	1016 ·35	1016 ·29	1016 ·25	1016 ·35	1016 ·49	1016 ·70	1016 ·88	1016 ·81	1016 ·67	1016 ·51
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. – When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

349 VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	001·7	001·7	001·7	001·7	001·8	002·1	002·2	002·4	002·8	002·9	003·1	003·2	003·2	003·1	003·1	003·0	003·1	003·2	003·2	003·4	003·5	003·9	003·9	003·9	002·8
2	004·0	004·0	004·1	004·1	004·3	004·4	004·6	005·1	005·4	005·7	005·9	006·0	005·9	005·9	005·8	005·8	005·7	005·6	005·3	005·0	004·7	004·5	003·9	003·4	005·0
3	002·7	002·4	002·3	002·4	003·0	003·8	004·2	005·2	005·7	006·3	007·0	008·0	008·5	008·9	009·6	009·7	009·8	010·0	009·7	009·8	010·0	009·4	008·8	008·6	008·8
4	008·0	007·3	006·9	006·5	007·0	006·9	007·1	007·2	007·2	007·2	007·6	007·9	008·5	008·4	008·6	008·7	008·7	008·6	008·8	009·0	009·5	009·8	009·9	010·0	008·1
5	010·0	009·9	010·1	010·3	010·4	010·7	011·2	011·3	011·5	011·9	012·4	012·6	012·4	012·6	012·7	012·7	013·0	012·7	012·8	012·2	012·5	012·4	012·5	012·3	011·7
6	012·0	011·6	011·2	010·9	010·6	010·3	010·5	010·6	010·3	010·1	009·8	009·9	009·6	009·4	009·2	008·9	008·7	008·4	008·5	008·4	008·3	008·2	007·8	007·7	009·7
7	007·3	007·1	006·8	006·6	006·6	006·5	006·6	006·8	006·9	007·2	007·4	007·7	007·8	007·9	008·3	008·5	008·7	008·7	008·7	008·7	009·0	009·2	009·2	009·1	007·8
8	008·9	008·7	008·4	008·0	007·7	007·6	007·6	007·7	007·6	007·5	007·6	007·3	007·3	007·3	007·4	007·3	007·5	007·7	007·8	008·1	008·4	008·8	009·0	009·0	007·9
9	009·0	008·9	008·7	008·8	009·0	009·2	009·4	009·7	010·0	010·1	010·3	010·5	010·7	010·7	010·9	010·9	010·8	010·8	010·9	011·0	011·3	011·6	011·7	011·5	010·2
10	011·5	011·4	011·2	011·3	011·6	011·9	012·3	012·8	013·2	013·5	013·9	014·1	014·4	014·5	014·6	014·8	015·3	015·6	015·7	015·9	016·3	016·2	016·3	016·0	013·8
11	016·0	015·6	015·6	015·7	015·5	015·6	015·7	015·9	016·0	015·9	016·0	015·9	016·0	015·7	015·5	015·0	014·8	014·3	014·3	013·8	013·2	012·5	011·4	010·7	015·0
12	009·0	007·7	006·7	005·8	004·9	004·2	003·6	003·1	002·7	002·2	001·6	001·1	000·8	000·7	001·1	001·5	002·2	002·7	003·2	003·9	004·4	005·0	005·0	005·0	003·8
13	004·9	004·9	005·1	005·3	005·3	005·4	005·5	005·9	005·9	006·1	006·5	007·0	007·3	007·7	007·9	007·8	007·8	008·0	007·9	008·0	008·2	008·1	007·5	007·1	006·7
14	007·0	006·9	006·2	005·6	005·0	005·1	005·1	005·0	004·6	004·1	003·9	003·4	003·0	002·7	002·1	001·2	000·3	999·7	999·3	998·6	998·2	997·7	997·0	996·5	002·6
15	996·1	995·8	995·7	995·8	996·0	996·5	997·0	997·6	998·9	999·6	000·6	001·5	002·3	003·1	003·8	004·8	005·4	005·9	006·7	007·3	008·1	008·5	008·8	009·0	001·6
16	009·2	009·2	009·4	009·4	009·4	009·8	010·0	010·2	010·3	010·3	010·3	010·3	010·2	009·8	009·4	009·1	009·0	008·4	007·7	007·6	007·2	006·8	006·1	004·7	009·0
17	003·3	001·9	000·6	999·3	999·2	999·1	998·1	997·8	996·9	996·2	995·3	994·6	994·0	993·5	992·8	992·4	991·9	991·5	991·4	991·1	991·1	991·3	990·9	991·0	995·5
18	990·9	991·2	991·3	991·4	991·9	992·4	992·8	993·4	994·0	994·8	995·4	996·3	997·0	998·0	999·2	999·9	000·5	001·4	002·5	003·3	004·0	004·6	004·9	005·3	997·1
19	005·7	005·7	005·7	005·8	006·1	006·5	006·7	007·2	007·3	007·3	007·8	008·0	008·0	008·2	008·3	008·3	008·2	008·2	008·4	008·6	009·1	009·4	009·4	009·4	007·5
20	009·5	009·4	009·5	009·7	009·8	009·9	010·4	010·7	011·2	011·6	011·9	012·0	012·3	012·7	012·9	013·1	013·4	013·4	013·7	013·9	014·4	014·5	014·5	014·5	011·9
21	014·3	014·2	014·1	013·9	013·6	013·6	013·6	013·8	013·7	013·3	013·1	012·9	012·8	012·3	012·3	012·3	012·3	012·2	012·2	012·6	012·8	012·7	012·8	012·5	013·1
22	012·1	011·9	011·2	010·7	010·7	010·7	010·4	010·1	009·7	009·4	009·1	008·4	007·8	007·2	006·3	005·1	003·8	002·2	000·9	999·1	998·0	996·1	995·2	994·3	006·2
23	993·1	992·3	991·4	990·6	989·9	989·6	989·4	989·1	989·0	988·8	988·6	988·9	989·1	988·9	988·8	988·9	988·9	989·6	990·1	990·9	991·7	992·2	992·9	993·3	990·3
24	993·9	994·6	995·1	995·9	996·5	997·4	998·1	999·0	999·9	000·7	001·6	002·1	002·6	002·8	003·2	003·6	003·9	004·2	004·6	005·1	005·3	005·5	005·5	005·5	000·9
25	005·5	005·4	005·2	005·2	005·3	005·5	005·8	006·3	006·8	007·0	007·7	008·2	008·5	009·0	009·4	009·7	010·0	010·4	010·8	011·3	011·8	012·2	012·3	012·4	008·3
26	012·3	012·4	012·4	012·3	012·4	012·7	012·9	013·3	013·3	013·3	013·4	013·5	013·6	013·4	013·4	013·4	013·4	013·2	013·1	013·1	013·3	013·0	012·7	012·1	013·0
27	011·2	010·3	009·5	008·4	007·6	007·0	006·5	005·6	005·0	004·5	004·4	004·2	004·1	003·8	003·7	003·6	003·8	004·0	004·5	004·9	005·7	006·4	007·2	007·5	006·1
28	008·3	008·9	009·5	010·1	010·6	011·5	012·0	012·6	013·2	013·7	014·4	014·8	015·4	016·0	016·6	017·2	017·6	018·1	018·4	019·0	019·6	020·1	020·0	020·3	014·6
29	020·4	020·6	020·5	020·8	021·1	021·7	022·0	022·6	022·9	023·2	023·6	024·1	024·7	025·0	025·5	025·9	026·2	026·4	026·4	026·9	027·2	027·6	027·9	027·7	024·1
30	027·6	027·6	027·6	027·5	027·1	027·7	027·8	027·6	027·6	027·5	027·2	027·1	027·0	026·5	026·0	025·3	024·8	024·3	024·1	023·6	023·5	022·8	022·3	021·4	026·0
31	020·4	019·2	018·4	017·8	017·2	016·9	016·4	016·2	016·1	015·9	015·7	015·7	015·2	014·9	014·4	013·9	013·7	013·6	013·9	014·0	014·0	014·2	014·5	014·6	015·8
Mean (Station Level)	1007 ·93	1007 ·70	1007 ·49	1007 ·34	1007 ·38	1007 ·49	1007 ·60	1007 ·80	1007 ·92	1007 ·99	1008 ·17	1008 ·29	1008 ·39	1008 ·41	1008 ·48	1008 ·46	1008 ·49	1008 ·48	1008 ·57	1008 ·65	1008 ·85	1008 ·88	1008 ·77	1008 ·59	1008 ·16
Mean (Sea Level)	1009 ·57	1009 ·34	1009 ·13	1008 ·98	1008 ·97	1009 ·13	1009 ·24	1009 ·44	1009 ·58	1009 ·62	1009 ·80	1009 ·92	1010 ·02	1010 ·04	1010 ·11	1010 ·09	1010 ·12	1010 ·11	1010 ·21	1010 ·29	1010 ·49	1010 ·52	1010 ·41	1010 ·23	1009 ·80

350 VALENTIA OBSERVATORY: H_b = 13·7 metres — AUGUST, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	013·9	013·8	013·7	013·2	013·0	013·0	012·9	013·0	012·8	012·5	012·4	012·1	012·3	012·0	011·6	011·4	010·8	010·3	009·8	009·5	009·2	008·2	007·3	006·4	011·6
2	005·4	004·6	004·2	004·0	003·7	004·0	003·9	004·0	004·0	004·2	004·9	005·1	005·9	006·7	007·7	008·8	009·2	010·0	010·6	011·3	011·8	012·2	012·5	012·6	007·0
3	012·8	012·7	012·8	013·0	013·0	013·6	014·1	014·5	015·0	015·3	015·6	015·8	016·3	016·5	016·9	017·2	017·7	018·2	018·8	019·2	019·8	020·1	020·5	020·9	016·1
4	021·0	021·1	021·3	021·4	021·6	021·9	022·3	022·4	022·7	022·8	023·1	023·3	023·0	023·1	023·0	022·8	022·7	022·5	022·7	022·5	022·6	022·4	022·0	021·0	022·3
5	020·6	019·8	019·2	018·3	017·9	017·0	017·1	017·3	017·1	017·2	017·4	017·4	017·4	017·4	017·4	017·3	017·2	017·1	016·7	016·3	015·7	015·2	014·5	014·3	017·3
6	014·5	014·4	014·4	014·7	015·3	016·0	017·1	017·8	018·6	019·2	020·1	020·4	021·0	021·6	022·1	022·5	022·9	023·2	024·0	024·3	025·0	025·1	025·3	025·4	020·0
7	025·3	025·4	025·3	025·5	025·7	026·1	026·2	026·4	026·4	026·2	026·1	026·2	026·5	026·4	026·3	026·2	025·9	025·5	025·1	024·9	024·8	024·5	023·9	023·7	025·6
8	023·1	022·6	022·3	021·6	021·3	021·2	021·0	020·9	020·7	020·2	020·4	020·2	020·0	019·7	019·5	019·1	018·7	018·2	018·1	018·1	018·3	018·4	018·4	018·2	020·1
9	018·3	018·3	018·4	018·3	018·1	017·9	018·2	018·1	018·0	018·2	018·3	018·2	018·0	017·8	017·2	016·7	016·5	016·3	016·4	016·4	016·4	015·9	015·6	015·5	017·4
10	014·9	014·2	013·7	013·4	012·9	012·8	012·6	012·5	012·5	012·4	012·1	012·0	011·8	011·8	012·0	011·9	012·1	012·3	012·6	012·8	013·5	014·0	014·4	014·8	012·9
11	015·2	015·5	015·7	015·8	016·1	016·4	017·0	017·2	017·3	017·3	017·2	017·0	016·9	016·5	016·1	016·0	015·5	015·4	015·5	015·3	015·3	015·4	015·3	015·3	016·1
12	015·3	015·7	015·7	015·6	015·8	015·9	016·3	016·6	016·8	016·9	017·0	016·9	016·8	016·9	016·6	016·5	016·4	016·3	016·1	015·8	016·0	015·7	015·5	015·1	016·2
13	014·3	014·0	013·4	012·6	012·2	011·8	011·4	011·3	010·7	010·3	009·9	009·2	008·8	008·2	007·7	007·2	006·7	006·4	006·5	006·6	006·8	006·7	006·5	006·3	009·6
14	006·2	006·1	006·1	006·0	006·0	006·3	006·6	006·9	007·2	007·4	007·6	007·8	007·9	008·3	008·4	008·3	008·6	008·8	008·9	009·2	009·6	009·8	010·0	010·0	007·8
15	010·0	010·2	010·2	010·3	010·7	011·1	011·6	012·1	012·5	012·7	013·1	013·4	013·6	014·1	014·3	014·0	014·3	014·3	014·7	015·2	015·5	015·6	015·6	015·6	013·0
16	015·7	015·4	015·5	015·1	015·0	014·8	014·9	014·8	014·9	014·5	014·5	014·2	014·1	013·9	013·5	013·3	013·2	012·8	012·5	012·5	012·4	012·6	012·6	012·3	014·0
17	011·8	011·6	011·2	011·1	011·1	011·1	011·1	011·7	012·5	013·5	014·4	014·7	015·3	016·1	016·6	017·0	017·5	017·8	018·1	018·6	019·0	019·3	019·5	019·7	014·9
18	019·9	019·6	019·5	019·5	019·3	019·2	019·4	019·5	019·3	019·3	019·3	019·4	019·2	018·8	018·4	017·8	017·0	016·7	016·2	015·6	014·0	013·2	012·0	010·2	017·8
19	009·0	007·8	007·0	006·4	006·1	006·4	006·7	006·8	007·0	007·1	007·5	007·7	008·3	008·6	008·8	009·1	009·4	010·1	010·3	010·9	011·3	011·8	012·1	012·0	008·6
20	012·0	012·1	011·9	011·7	012·0	012·1	012·2	012·5	012·5	012·8	013·4	013·5	013·5	013·8	014·0	014·2	014·6	015·0	015·5	016·4	016·9	017·1	017·5	017·6	013·8
21	017·6	017·7	017·8	017·9	018·4	019·0	019·4	019·9	020·4	021·0	021·3	021·8	022·0	022·3	022·4	022·6	022·7	023·1	023·7	024·4	024·8	024·9	025·6	025·6	021·3
22	025·6	025·7	026·1	026·0	026·1	026·4	026·9	027·4	027·6	028·0	027·9	028·1	028·1	028·0	027·8	027·8	027·6	027·7	027·8	028·0	028·4	028·4	027·9	027·9	027·3
23	027·7	027·4	027·2	027·0	026·9	026·9	027·2	027·4	027·3	027·3	027·4	027·4	027·5	027·5	027·3	027·5	027·5	027·4	027·5	027·7	027·7	027·7	027·6	027·6	027·4
24	027·6	027·6	027·7	027·7	027·7	027·8	027·9	028·1	028·5	028·6	028·9	029·0	029·1	028·8	028·7	028·6	028·4	028·3	028·3	028·4	028·3	028·2	028·3	028·1	028·3
25	027·9	027·7	027·4	027·2	027·2	027·1	027·2	027·0	027·0	027·0	026·9	026·7	026·7	026·5	026·0	026·0	025·7	025·7	025·5	025·0	025·2	025·4	025·2	025·0	026·5
26	024·7	024·5	023·8	023·4	023·1	022·9	022·8	022·9	022·7	022·3	021·9	022·2	022·0	022·2	022·2	022·2	022·1	021·8	021·9	022·3	022·7	022·7	022·8	022·8	022·7
27	022·7	022·8	022·4	021·9	022·0	022·0	022·0	021·8	021·6	022·0	022·0	021·8	021·9	022·0	021·9	022·1	022·1	022·1	022·2	022·6	023·1	023·2	023·3	023·6	022·3
28	023·6	023·6	023·5	023·2	023·0	023·1	023·4	023·6	023·7	023·6	023·8	023·9	024·0	024·1	024·0	023·5	023·7	024·0	024·3	024·6	025·3	025·3	025·4	025·5	023·9
29	025·3	025·2	025·5	025·4	025·2	025·4	025·6	026·0	026·3	026·4	026·1	026·0	026·2	026·2	026·3	026·2	026·3	026·1	026·2	026·4	026·6	026·9	027·3	027·2	026·1
30	027·1	026·8	026·8	026·7	026·5	026·4	026·7	026·9	027·1	027·2	027·2	027·1	027·2	027·2	027·0	026·9	026·9	027·0	026·7	026·8	026·9	026·5	026·5	026·2	026·9
31	026·1	025·5	025·5	025·3	025·1	025·0	025·0	024·9	024·7	024·5	024·5	024·2	023·9	023·4	023·1	022·7	022·2	022·2	021·6	021·5	021·5	021·0	020·8	020·1	023·6
Mean (Station Level)	1018 ·55	1018 ·37	1018 ·23	1018 ·04	1018 ·00	1018 ·08	1018 ·28	1018 ·46	1018 ·56	1018 ·64	1018 ·78	1018 ·80	1018 ·88	1018 ·92	1018 ·87	1018 ·82	1018 ·78	1018 ·79	1018 ·87	1019 ·00	1019 ·17	1019 ·14	1019 ·09	1018 ·92	1018 ·66
Mean (Sea Level)	1020 ·20	1020 ·02	1019 ·88	1019 ·69	1019 ·65	1019 ·73	1019 ·93	1020 ·11	1020 ·20	1020 ·28	1020 ·42	1020 ·44	1020 ·52	1020 ·56	1020 ·50	1020 ·46	1020 ·42	1020 ·43	1020 ·51	1020 ·64	1020 ·82	1020 ·79	1020 ·74	1020 ·57	1020 ·30
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

351 VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres — SEPTEMBER, 1936

Hour G. M. T. / Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	019·8	019·9	019·5	018·4	016·1	015·7	016·1	016·0	015·6	014·8	014·5	013·9	013·5	012·3	011·6	010·3	009·7	009·0	008·5	008·6	008·9	009·0	009·1	009·2	013·6
2	009·1	009·1	008·8	008·7	008·5	008·3	008·1	007·6	007·1	006·8	006·1	005·2	004·6	003·6	002·7	001·7	001·1	000·8	000·0	999·3	999·0	998·8	998·7	998·4	004·5
3	997·8	997·8	997·7	997·8	997·8	997·9	998·3	998·4	998·7	998·6	998·9	999·3	999·4	999·6	999·5	999·4	999·1	999·0	999·1	999·1	998·9	999·1	999·2	999·8	998·7
4	000·1	000·4	000·7	001·1	001·5	001·9	002·1	002·6	002·9	003·0	003·3	003·2	003·0	002·8	002·6	002·2	001·9	001·7	001·8	002·1	002·3	002·4	002·5	002·8	002·1
5	002·9	003·2	003·4	003·5	004·0	004·6	004·6	005·0	005·7	006·1	006·8	007·3	008·0	007·9	008·2	008·5	008·8	009·3	009·7	010·2	010·6	011·1	010·9	011·0	007·0
6	011·1	010·7	010·3	009·8	009·3	008·7	007·9	007·0	006·0	004·1	002·4	001·0	999·6	998·0	996·0	993·0	991·2	990·1	989·1	989·2	990·3	992·7	994·6	995·8	000·6
7	997·1	997·9	997·9	998·3	998·5	998·6	999·2	999·5	999·7	000·3	001·0	001·5	002·2	003·0	003·7	004·2	004·8	005·2	005·5	006·3	006·9	007·2	007·3	007·7	002·0
8	007·8	007·7	007·7	007·8	008·2	008·4	009·1	009·6	010·2	010·3	010·4	010·6	010·3	010·3	010·2	010·1	009·7	009·5	009·6	009·4	009·1	008·4	008·1	007·7	009·2
9	007·2	006·8	006·1	005·6	005·7	005·8	006·1	006·7	007·2	007·6	007·9	008·6	008·8	009·2	009·3	009·6	009·7	010·1	010·6	011·3	011·4	011·6	011·7	012·0	008·5
10	011·8	011·5	011·3	011·1	011·0	011·0	011·0	010·9	010·7	010·4	010·3	010·0	010·1	010·0	009·6	009·3	009·0	009·0	008·7	009·0	008·8	008·5	008·3	007·7	010·0
11	007·5	006·9	006·6	005·8	005·2	004·9	004·6	004·2	004·0	004·1	003·9	003·4	002·7	002·2	002·2	001·5	001·9	001·5	002·1	002·7	003·4	003·9	004·6	005·2	004·0
12	005·5	005·6	005·8	006·1	006·6	007·2	007·8	008·3	009·1	009·7	010·1	010·4	010·7	011·0	011·2	011·3	011·7	012·2	012·7	013·3	013·6	013·8	013·9	014·0	009·9
13	013·8	013·7	013·7	013·4	013·6	013·7	013·9	014·1	014·3	014·2	015·5	015·5	015·8	015·8	015·9	015·9	016·0	016·0	016·1	016·6	016·8	016·9	017·0	017·4	015·2
14	017·9	018·3	018·7	019·1	019·7	020·3	021·0	021·6	022·4	022·9	023·3	023·6	023·9	024·1	024·4	024·6	025·0	025·5	026·0	026·4	027·0	027·1	027·3	027·4	023·0
15	027·4	027·5	027·6	027·4	027·4	028·1	028·2	028·2	028·7	028·9	028·9	028·8	028·9	028·8	028·8	028·7	028·5	028·4	028·5	028·4	028·7	028·9	028·8	028·7	028·4
16	028·6	028·1	027·9	027·6	027·5	027·6	027·7	027·9	027·6	027·7	027·5	027·2	026·7	026·6	026·3	026·3	026·2	026·5	026·4	027·0	026·9	026·9	027·0	026·8	027·2
17	026·5	026·5	026·6	026·5	026·4	026·1	026·3	026·3	026·5	026·5	026·2	025·8	025·7	025·4	025·2	025·2	025·2	025·1	025·2	026·1	026·4	026·5	026·4	026·0	026·0
18	025·6	025·8	025·0	024·7	024·5	024·7	024·6	024·6	024·5	024·4	024·1	023·9	023·9	023·7	023·6	023·2	023·3	023·5	023·2	023·2	023·2	022·9	023·1	022·7	024·1
19	022·6	022·3	022·2	022·0	022·1	022·2	022·4	022·6	022·4	022·3	022·3	022·1	021·9	021·6	021·1	020·8	020·6	020·6	020·9	021·3	021·4	021·4	021·3	021·0	021·8
20	020·6	020·4	020·0	019·7	019·5	019·6	019·8	019·8	019·7	019·7	019·3	018·6	018·3	018·1	018·0	017·8	018·0	018·4	018·6	019·0	019·0	019·1	019·0	018·9	019·2
21	019·0	018·9	018·8	018·8	019·0	019·4	019·7	020·3	021·2	021·6	022·1	022·5	022·7	023·2	023·4	023·8	024·2	024·7	025·0	025·8	026·3	026·7	027·1	027·3	022·4
22	027·4	027·3	027·2	027·0	026·9	027·1	027·4	027·8	028·0	028·0	028·0	027·9	027·7	027·4	027·1	026·7	026·6	026·5	026·5	026·6	026·6	026·3	026·0	025·5	027·1
23	025·0	024·2	023·7	023·1	022·8	022·3	022·1	021·6	021·3	021·3	021·0	020·1	019·2	018·2	017·4	016·5	015·7	014·8	014·3	014·0	012·9	012·1	011·5	010·7	018·9
24	009·5	008·3	006·6	005·8	004·7	003·5	002·6	001·9	001·8	001·9	002·1	002·2	002·1	001·9	002·1	002·0	002·1	002·4	002·6	003·1	003·5	004·2	004·6	004·8	003·7
25	005·0	005·6	005·9	006·3	006·9	007·6	008·3	009·0	009·6	009·9	010·7	011·1	011·4	011·9	012·3	012·6	013·0	013·4	014·1	014·8	015·4	016·0	016·6	016·8	010·8
26	016·9	017·3	017·4	017·9	018·1	018·4	019·0	019·8	020·6	021·0	021·3	021·5	021·5	021·4	021·4	021·3	021·5	021·7	022·1	022·4	022·5	022·5	022·6	022·3	020·4
27	021·8	021·8	021·5	021·2	020·9	020·4	020·1	019·9	020·0	020·0	019·8	019·6	019·2	018·7	018·4	017·9	017·4	017·4	017·3	017·5	017·8	017·6	017·8	018·1	019·3
28	018·1	018·3	018·4	018·5	018·5	019·0	019·4	020·1	020·7	020·8	021·0	021·2	021·5	021·5	021·4	021·7	022·0	022·7	023·3	024·1	024·5	024·7	024·7	024·6	021·1
29	024·6	024·6	024·5	024·3	024·2	024·3	024·6	025·0	025·1	025·3	025·6	025·6	025·3	025·1	024·6	024·5	024·6	024·8	025·3	025·7	025·9	025·9	025·7	025·5	025·0
30	025·3	025·1	024·8	024·8	024·5	024·3	024·4	024·5	024·6	024·7	024·5	024·2	023·8	023·6	023·2	022·6	022·6	022·7	022·7	022·7	022·6	022·0	021·7	021·4	023·7
Mean (Station Level)	1015 ·11	1015 ·05	1014 ·88	1015 ·06	1014 ·65	1014 ·72	1014 ·88	1015 ·03	1015 ·20	1015 ·23	1015 ·29	1015 ·19	1015 ·08	1014 ·90	1014 ·71	1014 ·43	1014 ·37	1014 ·42	1014 ·51	1014 ·52	1015 ·03	1015 ·14	1015 ·23	1015 ·24	1014 ·91
Mean (Sea Level)	1016 ·76	1016 ·70	1016 ·53	1016 ·73	1016 ·31	1016 ·38	1016 ·53	1016 ·68	1016 ·85	1016 ·88	1016 ·93	1016 ·83	1016 ·72	1016 ·54	1016 ·35	1016 ·07	1016 ·01	1016 ·06	1016 ·16	1016 ·17	1016 ·68	1016 ·79	1016 ·88	1016 ·89	1016 ·56

352 VALENTIA OBSERVATORY: H_b = 13·7 metres — OCTOBER, 1936

Hour G. M. T. / Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	021·2	020·9	020·3	020·0	019·8	019·6	019·5	019·3	019·3	019·4	019·3	018·7	018·3	018·1	018·0	017·8	017·4	017·1	017·5	017·1	017·1	017·0	016·4	016·1	018·7
2	015·6	015·1	014·7	014·2	013·9	013·4	013·2	013·1	013·2	013·5	013·3	013·8	013·8	013·8	013·8	013·4	013·6	013·7	013·9	013·7	013·3	013·1	012·8	012·4	013·8
3	012·2	011·7	011·7	011·6	011·5	011·3	011·0	011·0	010·5	010·1	010·1	010·0	009·5	009·3	008·9	008·2	008·1	008·1	008·4	008·5	008·6	008·6	008·7	008·7	009·9
4	008·9	008·8	008·6	008·4	008·5	008·3	008·4	008·6	008·1	009·1	008·7	008·3	008·1	008·0	007·8	008·2	008·2	008·5	008·8	009·1	009·2	009·2	009·3	009·3	008·6
5	009·5	009·6	009·6	009·9	010·1	010·4	010·4	010·7	010·8	011·3	011·7	011·8	011·9	012·0	012·1	012·4	012·8	013·4	014·1	014·7	015·2	015·5	015·9	016·2	012·0
6	016·4	016·5	016·8	017·1	017·4	017·7	018·5	019·2	020·0	020·6	021·0	021·3	021·4	021·7	021·7	021·8	022·3	022·6	023·1	023·5	023·8	023·9	024·1	024·2	020·5
7	024·3	024·0	023·9	023·6	023·6	023·7	023·8	023·8	023·9	024·0	024·2	024·2	023·8	023·6	023·4	022·9	022·8	022·7	022·6	022·4	022·2	021·9	021·6	021·2	023·8
8	020·7	020·0	019·4	018·8	018·2	017·8	017·7	017·6	017·3	016·8	016·6	016·3	016·0	015·8	015·5	015·4	015·4	015·8	016·2	016·5	017·0	017·2	017·5	017·9	017·3
9	018·3	018·5	018·8	018·9	019·4	019·9	020·5	021·3	022·2	022·5	022·7	022·9	022·9	023·1	023·0	023·4	023·9	024·5	025·0	025·7	025·9	026·0	025·9	025·9	022·4
10	026·0	025·8	025·6	025·6	025·6	025·7	026·0	026·3	026·5	026·7	026·6	026·4	026·2	026·0	026·0	026·0	026·2	026·6	026·9	027·1	027·5	027·6	027·6	027·5	026·4
11	027·5	027·3	027·2	027·3	027·5	027·7	028·0	028·3	028·5	028·6	028·6	028·6	028·2	028·0	027·9	027·8	028·0	028·4	028·7	028·8	029·1	029·0	029·1	029·1	028·2
12	028·9	028·7	028·8	028·5	028·6	028·6	028·7	028·9	028·9	028·9	028·8	028·5	028·1	027·8	027·4	027·1	027·2	027·3	027·3	027·2	027·1	027·0	027·0	026·7	028·1
13	026·4	026·3	025·7	025·4	025·6	025·4	025·6	025·8	025·8	026·1	025·8	025·4	025·3	025·3	025·0	024·7	024·7	024·7	024·7	024·7	023·8	023·0	022·5	021·6	025·1
14	020·7	020·2	019·2	018·6	018·1	017·9	017·8	018·1	018·0	018·0	018·1	018·0	017·9	018·1	017·9	018·2	018·7	019·0	019·4	019·7	019·8	019·9	020·0	020·1	018·8
15	020·5	020·6	020·4	020·3	020·3	020·6	020·9	021·3	021·5	021·8	022·1	022·5	022·1	022·0	022·1	022·3	022·5	022·8	023·5	023·8	024·0	024·0	024·1	024·4	022·0
16	024·6	024·3	024·2	024·1	023·8	023·9	023·6	023·8	024·0	023·8	023·8	023·3	022·9	022·2	021·8	021·4	020·9	020·5	020·3	019·8	019·6	019·2	018·6	017·8	022·3
17	017·5	016·5	015·4	014·5	014·0	013·3	012·6	012·2	012·0	011·8	011·6	012·0	012·4	012·4	012·5	012·7	012·8	013·4	014·5	015·1	015·7	016·5	017·2	017·9	014·0
18	018·4	018·8	019·1	019·6	020·1	020·6	021·2	022·0	022·7	023·1	023·4	023·4	023·1	022·8	022·5	022·1	021·9	021·8	021·6	021·5	021·4	020·6	020·1	019·4	021·3
19	018·7	018·2	017·9	017·2	017·4	017·9	018·2	019·4	020·1	020·7	021·5	022·0	022·4	022·7	023·3	023·7	024·2	024·8	025·4	026·0	026·7	027·1	027·3	027·4	021·9
20	027·2	027·5	027·1	027·2	027·5	027·5	027·7	028·1	028·4	028·8	028·7	028·5	028·2	027·9	027·9	027·9	027·8	027·8	027·7	027·5	027·5	027·4	027·3	026·8	027·8
21	026·5	025·9	025·5	025·3	025·3	025·2	025·4	025·5	025·8	025·8	025·5	025·5	025·3	025·1	025·0	024·7	024·8	024·8	024·6	024·5	024·5	024·2	024·1	023·6	025·2
22	023·3	023·0	022·6	022·1	021·7	021·3	021·0	021·1	020·7	020·4	019·8	018·9	018·3	017·4	017·1	016·1	015·6	014·7	014·7	013·8	013·1	012·4	011·8	011·2	018·3
23	011·6	012·1	012·2	012·1	012·5	012·8	013·2	013·9	014·5	014·8	015·6	015·8	015·8	015·8	016·0	016·2	016·3	016·9	017·4	017·4	017·4	017·4	017·3	017·1	015·0
24	016·7	016·2	016·1	015·7	015·3	014·3	013·6	013·1	012·4	011·5	010·8	009·9	008·6	007·6	006·8	006·0	005·3	004·8	004·0	002·9	002·3	002·2	002·7	003·3	009·5
25	004·0	004·5	004·6	004·9	004·9	004·6	004·6	006·1	005·8	006·5	007·7	008·0	007·8	008·2	008·3	008·5	008·4	009·0	008·6	008·3	008·4	007·5	006·0	003·7	006·6
26	001·0	998·7	998·1	998·0	997·8	998·1	998·0	998·1	998·0	997·9	997·7	997·8	997·5	997·5	997·8	999·1	999·9	001·1	002·5	003·5	004·5	005·8	006·9	007·8	000·0
27	008·6	009·6	009·9	010·2	010·5	010·8	010·3	010·4	010·7	010·4	010·8	011·2	011·5	012·0	012·4	012·9	014·3	015·4	016·3	016·7	018·1	018·4	018·8	019·4	012·6
28	019·9	020·3	020·5	020·8	021·0	021·4	021·6	022·0	022·5	022·6	022·9	022·6	022·2	021·7	021·5	020·9	020·7	020·7	020·4	020·2	020·0	020·0	019·8	019·7	021·1
29	019·7	019·8	019·8	020·0	020·5	020·6	020·5	020·6	020·9	021·0	021·2	020·9	020·3	020·3	020·2	019·9	019·5	019·7	019·7	019·7	019·8	020·0	019·9	019·9	020·2
30	019·8	019·6	019·4	018·9	018·5	017·7	017·6	017·7	018·2	018·6	019·1	018·8	018·7	018·5	018·2	018·1	019·2	020·0	021·3	022·6	022·7	023·4	024·0	024·6	019·7
31	025·2	025·5	025·6	025·8	026·3	027·1	027·5	028·3	028·7	028·7	029·1	028·9	028·8	028·7	028·6	028·7	028·8	029·1	029·1	029·2	029·0	028·8	028·8	028·5	028·0
Mean (Station Level)	1018 ·70	1018 ·53	1018 ·35	1018 ·21	1018 ·23	1018 ·21	1018 ·28	1018 ·57	1018 ·71	1018 ·83	1018 ·93	1018 ·85	1018 ·62	1018 ·50	1018 ·40	1018 ·34	1018 ·46	1018 ·70	1018 ·97	1019 ·07	1019 ·17	1019 ·15	1019 ·13	1019 ·01	1018 ·66
Mean (Sea Level)	1020 ·37	1020 ·20	1020 ·02	1019 ·88	1019 ·90	1019 ·88	1019 ·95	1020 ·24	1020 ·38	1020 ·49	1020 ·59	1020 ·50	1020 ·27	1020 ·15	1020 ·05	1020 ·00	1020 ·12	1020 ·36	1020 ·63	1020 ·74	1020 ·84	1020 ·82	1020 ·80	1020 ·68	1020 ·32
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

353 VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres — NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	027·6	027·1	027·0	026·8	025·9	025·0	025·0	024·4	024·0	023·3	022·6	021·7	020·8	019·7	019·4	019·4	019·5	019·8	019·6	019·7	019·7	019·8	019·8	019·8	022·6
2	019·5	019·5	019·2	019·0	019·4	019·6	019·8	020·0	020·5	020·5	020·3	019·8	019·4	019·0	018·7	018·4	018·1	017·9	017·5	017·3	016·9	016·7	016·5	016·9	018·8
3	016·8	016·8	016·6	016·4	016·4	016·6	016·6	016·8	016·6	016·8	016·8	016·4	016·3	015·7	015·3	015·0	015·0	015·0	015·0	014·7	014·0	013·6	013·3	012·9	015·7
4	012·2	011·6	011·4	010·9	010·6	010·1	010·0	009·7	009·5	008·7	009·1	008·5	008·1	007·6	007·2	006·8	006·6	007·1	006·8	006·8	006·3	005·7	005·6	005·0	008·6
5	004·5	003·6	003·2	002·4	002·2	002·1	002·6	002·8	002·3	002·3	002·0	001·8	001·3	000·7	000·1	999·5	998·9	997·9	996·8	995·3	993·6	991·6	989·5	986·8	999·7
6	984·5	981·8	978·1	978·2	977·6	977·4	977·6	977·7	977·8	977·8	977·4	977·0	976·4	975·7	974·6	973·6	973·4	973·5	973·8	973·8	973·5	973·0	972·3	971·9	976·5
7	971·1	969·5	968·7	968·5	968·1	966·9	965·6	965·3	966·2	967·5	969·2	970·0	970·5	971·4	971·4	972·5	973·2	974·6	975·8	976·6	977·3	978·1	978·7	979·1	971·3
8	979·4	979·7	979·8	979·9	979·9	980·4	980·8	981·2	981·4	981·8	981·8	981·5	980·5	978·9	977·2	975·6	975·3	975·7	977·1	978·5	979·6	980·4	981·0	982·0	979·5
9	982·8	983·5	984·2	984·9	985·8	986·8	987·8	988·7	989·9	990·8	992·0	992·6	993·1	993·9	994·8	995·4	996·4	997·6	998·9	999·9	000·5	001·0	001·5	001·9	992·3
10	002·2	002·3	002·9	003·4	004·1	004·2	004·8	004·9	005·3	005·5	005·4	005·3	005·5	005·3	005·3	005·3	005·4	005·4	005·1	004·7	003·7	002·9	001·9	000·6	004·3
11	998·8	997·2	995·0	992·9	989·7	985·9	983·0	982·0	979·9	978·2	977·8	976·9	975·7	974·0	973·0	971·9	971·2	971·0	971·2	971·7	972·6	973·4	974·8	976·3	980·3
12	977·8	979·3	981·2	983·4	985·7	987·8	990·4	992·8	994·8	996·6	998·6	000·2	001·4	002·7	004·5	006·3	007·8	008·9	010·0	011·1	012·5	013·3	013·9	014·3	998·2
13	014·9	014·9	015·1	015·2	015·1	015·1	015·4	015·4	015·5	015·0	014·9	013·9	013·3	012·8	012·4	013·4	014·1	014·4	014·9	015·5	015·9	015·9	015·6	015·5	014·7
14	015·1	014·5	014·5	015·0	015·5	016·1	017·2	018·5	019·1	020·1	021·3	021·6	021·9	022·2	022·6	023·1	023·3	023·5	023·9	024·2	023·8	023·6	023·1	022·6	020·1
15	021·9	021·2	020·3	019·7	019·6	018·4	018·3	018·2	018·2	017·6	017·2	016·5	015·5	014·4	013·9	014·0	014·3	014·4	014·6	014·4	014·1	013·8	013·5	013·2	016·7
16	012·6	012·4	011·7	011·2	010·6	010·3	009·9	009·8	009·7	009·4	008·9	007·9	007·3	006·6	006·0	005·5	005·0	004·6	004·3	004·2	004·2	004·1	004·1	004·0	007·9
17	004·0	004·1	004·0	004·0	004·6	005·2	005·6	007·3	008·2	008·5	009·2	009·8	010·1	011·1	012·6	013·4	014·5	015·5	016·1	017·0	018·4	019·2	020·2	021·0	010·6
18	021·1	021·7	021·7	022·0	022·8	023·5	023·6	024·3	024·3	024·3	024·4	024·0	023·8	023·2	023·0	023·4	023·6	023·7	023·9	023·7	023·6	023·4	023·5	023·7	023·3
19	023·8	023·4	023·0	022·3	022·8	024·0	024·4	024·5	024·7	025·0	025·2	024·9	025·0	025·2	025·5	026·5	027·1	027·6	027·9	028·3	029·1	029·7	029·9	030·4	025·7
20	030·5	030·8	030·9	031·0	031·1	031·4	031·7	032·1	032·8	033·4	033·7	033·5	033·3	033·2	033·0	032·7	032·6	032·8	033·3	033·4	033·2	033·2	033·1	032·8	032·4
21	032·6	032·3	032·1	031·5	031·4	031·2	031·1	031·2	031·0	031·1	030·7	030·0	028·9	028·0	027·4	027·2	027·1	027·3	027·5	027·7	027·6	027·5	027·2	026·9	029·6
22	026·6	026·3	026·1	025·7	025·7	025·5	025·2	025·4	025·3	025·1	024·5	023·9	023·3	022·5	022·0	021·8	021·4	021·7	021·7	021·4	021·1	020·4	019·6	019·6	023·6
23	019·1	019·0	018·4	018·0	017·2	016·9	016·6	016·3	016·1	015·5	015·1	014·5	013·6	013·2	013·0	013·2	013·1	013·0	012·9	012·8	012·6	012·4	012·4	012·3	015·0
24	012·1	011·8	011·7	011·4	011·6	011·9	012·2	012·5	013·0	013·1	013·5	013·4	013·2	013·3	013·5	014·3	015·0	015·7	016·2	016·5	017·1	017·5	018·1	018·2	013·9
25	018·2	018·5	018·5	018·6	018·7	018·9	019·2	019·4	019·8	020·0	020·2	020·2	019·7	019·4	019·2	019·0	019·1	019·2	019·1	019·1	019·1	019·0	019·0	018·7	019·1
26	018·3	017·8	017·4	017·1	016·6	016·3	016·1	016·1	016·4	016·5	016·4	016·0	015·6	015·2	015·2	015·3	015·6	016·1	016·4	016·7	017·0	017·4	017·7	017·9	016·6
27	018·0	018·2	018·6	018·7	019·0	019·5	020·1	020·6	021·5	021·7	022·0	022·0	022·0	022·2	022·2	022·3	022·3	022·8	022·9	023·7	023·9	024·5	025·0	025·5	021·5
28	025·9	026·5	026·9	026·8	027·3	027·7	027·9	028·4	028·8	029·4	029·3	029·3	028·9	028·9	029·1	029·0	029·4	029·5	029·2	029·0	028·9	028·3	027·7	027·5	028·3
29	027·0	026·5	026·1	025·1	024·8	023·9	023·8	024·0	023·7	023·6	023·8	023·7	023·4	023·1	023·2	023·6	023·8	023·8	023·6	023·9	023·8	024·0	023·9	023·7	024·2
30	023·6	023·3	023·0	022·8	022·6	022·3	022·3	022·3	022·5	022·5	022·8	022·7	022·5	022·9	023·4	023·7	024·0	024·6	025·3	025·7	026·3	027·0	027·6	027·6	023·8
Mean (Station Level)	1011 ·42	1011 ·17	1010 ·91	1010 ·76	1010 ·75	1010 ·70	1010 ·82	1011 ·09	1011 ·29	1011 ·39	1011 ·54	1011 ·32	1011 ·01	1010 ·73	1010 ·60	1010 ·70	1010 ·87	1011 ·15	1011 ·38	1011 ·58	1011 ·66	1011 ·68	1011 ·67	1011 ·62	1011 ·16
Mean (Sea Level)	1013 ·10	1012 ·85	1012 ·59	1012 ·44	1012 ·43	1012 ·38	1012 ·50	1012 ·77	1012 ·97	1013 ·06	1013 ·21	1012 ·99	1012 ·68	1012 ·40	1012 ·27	1012 ·37	1012 ·54	1012 ·82	1013 ·05	1013 ·25	1013 ·33	1013 ·35	1013 ·34	1013 ·30	1012 ·83

354 VALENTIA OBSERVATORY: H_b = 13·7 metres — DECEMBER, 1936

Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	027·8	027·9	027·8	027·8	027·8	027·8	027·7	027·3	027·8	027·9	027·8	027·4	026·8	026·6	026·2	025·8	025·6	025·1	024·9	024·2	023·7	023·0	022·3	021·4	026·3
2	020·7	019·9	019·4	018·8	018·3	018·2	018·1	018·1	018·4	018·6	018·7	018·4	018·1	018·0	017·9	018·0	018·0	018·1	018·2	018·0	017·7	017·5	017·3	017·0	018·4
3	016·8	016·6	016·4	015·9	015·5	015·2	014·9	014·9	014·9	014·6	014·0	013·3	012·6	011·6	010·7	009·9	009·5	008·7	008·1	008·0	008·3	009·1	009·5	010·1	012·6
4	011·1	011·9	013·1	014·1	015·2	016·1	017·1	018·2	019·0	019·6	019·9	020·0	019·6	019·2	019·1	018·6	018·0	017·5	017·0	016·2	015·4	014·8	014·3	013·0	016·5
5	012·3	012·2	012·2	011·4	011·4	012·0	012·6	013·7	014·6	015·2	015·7	015·9	016·0	016·2	016·6	016·8	017·1	017·7	018·2	018·2	018·9	019·4	019·7	020·2	015·4
6	021·0	021·4	022·4	022·7	023·5	024·2	024·3	025·6	026·4	026·9	027·6	027·8	028·2	028·6	028·7	029·4	030·0	030·4	031·1	031·2	031·7	032·1	032·2	032·3	027·2
7	031·7	031·1	030·4	029·7	028·9	028·9	028·9	029·0	029·5	029·8	030·0	030·0	030·0	029·9	030·1	030·3	030·6	030·7	030·8	030·8	030·7	030·7	030·6	030·2	030·2
8	029·9	029·5	029·2	028·7	028·1	027·8	027·4	027·4	027·4	027·4	027·7	027·5	027·3	027·5	027·6	027·9	028·1	028·2	029·1	028·9	028·9	028·8	028·6	028·9	028·3
9	029·0	028·7	028·9	028·5	028·9	029·0	028·9	028·9	029·3	029·6	029·5	029·4	029·1	028·6	028·2	028·0	028·0	028·1	028·0	027·6	027·5	027·4	027·3	026·8	028·5
10	026·1	025·7	025·2	024·9	024·2	024·0	023·3	022·9	022·7	022·6	022·5	021·4	020·5	019·5	018·4	017·9	017·4	017·0	016·3	015·5	015·0	014·5	018·7	012·7	012·5
11	011·7	010·4	009·7	008·7	007·7	006·7	006·6	007·0	007·6	008·1	008·7	008·5	008·1	007·9	007·9	008·3	008·6	008·8	009·1	009·4	009·7	010·2	010·4	010·5	008·8
12	010·5	010·3	010·4	010·2	010·2	010·2	010·5	011·0	011·3	011·6	011·8	011·3	010·7	009·9	009·5	009·5	009·6	009·9	009·7	009·8	009·9	009·8	009·4	008·9	010·3
13	008·2	007·4	006·7	005·6	004·2	002·7	001·2	999·4	997·5	995·1	993·0	990·4	986·9	983·5	980·7	978·9	977·8	976·6	975·5	974·3	973·4	973·0	972·3	971·7	989·8
14	971·2	970·5	970·5	970·2	970·2	969·9	970·0	970·2	971·1	971·9	972·8	973·2	974·4	976·5	978·8	981·4	983·8	985·8	988·2	989·6	991·4	992·9	994·2	996·1	978·0
15	997·1	997·8	999·1	999·8	999·8	000·0	999·8	999·8	999·8	999·6	998·8	997·4	995·1	992·7	990·5	987·8	985·6	983·7	981·4	981·4	982·5	983·1	983·8	984·4	992·8
16	985·3	986·2	986·8	987·5	988·6	989·7	990·6	991·6	992·7	993·8	994·9	995·5	996·2	996·9	998·2	999·0	000·5	001·0	001·5	001·9	001·8	001·5	001·1	000·0	994·8
17	998·8	996·3	994·4	991·7	990·0	988·4	986·7	985·9	985·9	986·2	986·4	987·2	987·4	987·9	988·1	988·9	990·1	991·3	992·3	992·9	993·5	993·7	993·3	992·6	990·6
18	991·9	992·4	993·6	994·1	994·4	995·7	997·3	999·1	000·9	002·9	004·3	005·1	005·9	006·7	007·3	008·4	009·5	010·5	011·5	012·3	013·4	014·4	015·3	016·5	003·8
19	017·2	017·7	018·5	019·2	019·6	020·0	020·2	020·3	020·4	020·5	020·6	020·0	019·3	018·4	018·2	018·0	017·4	017·4	017·1	016·9	016·6	015·6	015·2	014·7	018·3
20	014·2	014·1	013·7	012·9	012·0	011·5	011·6	011·4	011·0	011·0	011·1	010·5	010·2	009·5	009·3	009·2	009·0	009·0	009·0	009·2	009·3	009·6	009·9	009·8	010·9
21	009·8	009·8	009·8	009·5	009·4	009·1	008·9	009·0	009·0	009·1	009·1	008·7	008·1	008·0	008·7	009·3	009·8	010·8	011·9	013·0	014·0	015·2	015·6	016·1	010·4
22	016·6	017·5	018·0	018·6	019·3	020·0	020·6	021·9	022·9	023·9	025·1	025·7	025·9	026·2	026·9	028·0	029·1	030·1	031·0	031·7	032·8	033·3	034·1	034·7	025·2
23	035·1	035·5	036·0	036·4	036·7	037·0	037·6	038·0	039·0	039·2	039·5	039·4	039·1	038·8	038·7	038·9	038·9	039·1	039·2	039·1	039·0	039·0	038·9	038·7	038·1
24	038·3	038·0	037·8	037·5	037·3	037·3	037·3	037·4	037·5	037·7	038·1	037·5	037·0	036·5	036·2	036·4	036·3	036·6	036·7	037·0	037·1	037·1	037·0	036·9	037·2
25	036·5	036·3	036·4	036·3	036·3	036·1	036·4	036·4	036·4	036·5	036·8	036·7	036·5	036·0	035·6	035·5	036·3	035·1	034·9	034·9	034·8	034·7	034·4	034·0	035·8
26	033·4	032·9	032·9	032·5	032·1	032·0	031·9	031·9	031·9	031·9	031·6	031·2	030·4	029·7	029·3	028·9	028·6	027·8	027·2	026·9	026·5	026·0	025·6	025·3	030·1
27	024·7	023·8	023·1	022·5	021·8	021·2	021·0	020·7	020·5	020·0	019·7	019·1	018·0	017·5	017·1	016·5	015·9	015·7	015·5	015·0	014·8	014·3	014·1	013·8	018·8
28	013·2	013·0	012·8	012·2	011·6	010·9	010·7	010·4	010·1	010·0	009·6	008·8	008·0	007·3	006·7	006·3	005·8	005·7	005·2	004·9	004·6	004·3	003·8	003·4	008·5
29	002·9	002·0	001·9	003·5	004·5	006·2	007·0	007·6	008·8	009·9	010·8	011·3	011·9	012·6	013·1	014·0	014·6	015·3	015·6	016·0	016·2	016·2	016·1	016·1	010·3
30	016·1	016·1	016·2	016·2	015·7	015·6	015·4	015·4	015·5	015·7	015·9	015·2	014·4	013·9	013·5	013·3	013·1	012·8	012·6	011·9	011·6	011·3	011·1	011·0	014·3
31	010·5	010·6	010·6	010·8	010·7	010·8	011·0	010·8	011·2	011·3	011·4	011·0	010·6	010·2	009·8	009·9	009·8	009·8	010·0	010·5	010·6	010·8	010·8	010·9	010·6
Mean (Station Level)	1015 ·15	1014 ·95	1014 ·97	1014 ·79	1014 ·64	1014 ·65	1014 ·69	1014 ·88	1015 ·19	1015 ·42	1015 ·59	1015 ·32	1014 ·91	1014 ·59	1014 ·44	1014 ·48	1014 ·56	1014 ·65	1014 ·73	1014 ·75	1014 ·88	1014 ·95	1014 ·90	1014 ·80	1014 ·88
Mean (Sea Level)	1016 ·84	1016 ·64	1016 ·66	1016 ·48	1016 ·33	1016 ·34	1016 ·38	1016 ·57	1016 ·88	1017 ·11	1017 ·28	1017 ·00	1016 ·59	1016 ·27	1016 ·12	1016 ·16	1016 ·24	1016 ·33	1016 ·41	1016 ·43	1016 ·56	1016 ·63	1016 ·58	1016 ·49	1016 ·56
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rules does not, however, apply to monthly means

PRESSURE AT STATION LEVEL AND AT SEA LEVEL
ANNUAL MEANS FROM HOURLY VALUES
From readings in millibars at exact hours, Greenwich Mean Time

355 VALENTIA OBSERVATORY: H_b = 13·7 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Station Level	mb 011·25	mb 011·07	mb 010·91	mb 010·80	mb 010·78	mb 010·78	mb 010·90	mb 011·09	mb 011·24	mb 011·33	mb 011·42	mb 011·36	mb 011·21	mb 011·04	mb 010·94	mb 010·91	mb 010·95	mb 011·07	mb 011·21	mb 011·34	mb 011·53	mb 011·58	mb 011·56	mb 011·48	mb 011·15
Sea Level	012·92	012·74	012·58	012·47	012·40	012·45	012·57	012·76	012·91	012·99	013·06	013·02	012·87	012·70	012·60	012·57	012·61	012·73	012·87	013·00	013·19	013·25	013·23	013·15	012·81

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.
The departures from the mean of the day are adjusted for non-cyclic change†

356 VALENTIA OBSERVATORY: H_b = 13·7 metres 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
Jan.	995·00	+0·11	−0·08	−0·02	−0·08	−0·19	−0·26	−0·27	+0·01	+0·31	+0·51	+0·50	+0·37	+0·01	−0·45	−0·58	−0·37	−0·22	−0·06	−0·04	+0·03	+0·20	+0·19	+0·19	+0·20
Feb.	1000·91	+0·35	+0·15	−0·07	−0·27	−0·37	−0·34	−0·30	−0·15	+0·04	+0·11	+0·22	+0·34	+0·09	−0·18	−0·31	−0·33	−0·27	−0·02	+0·16	+0·18	+0·17	+0·21	+0·20	+0·40
Mar.	1005·37	+0·01	−0·08	−0·28	−0·38	−0·41	−0·33	−0·20	0·00	+0·13	+0·23	+0·27	+0·25	+0·12	−0·15	−0·26	−0·34	−0·28	−0·07	+0·19	+0·34	+0·40	+0·39	+0·32	+0·13
Apr.	1014·85	+0·39	+0·18	−0·08	−0·23	−0·29	−0·24	−0·05	+0·04	+0·10	+0·06	+0·09	+0·05	−0·06	−0·15	−0·30	−0·45	−0·49	−0·41	−0·26	+0·10	+0·43	+0·54	+0·55	+0·52
May	1016·11	+0·06	−0·08	−0·23	−0·29	−0·20	−0·05	+0·11	+0·25	+0·22	+0·21	+0·19	+0·08	−0·05	−0·14	−0·27	−0·34	−0·38	−0·31	−0·16	+0·05	+0·30	+0·42	+0·37	+0·22
June	1014·86	+0·21	−0·08	−0·29	−0·50	−0·48	−0·42	−0·29	−0·15	−0·09	−0·01	+0·06	+0·08	+0·12	+0·03	−0·01	−0·06	−0·09	−0·12	0·00	+0·16	+0·39	+0·58	+0·54	+0·41
July	1008·16	−0·04	−0·29	−0·52	−0·68	−0·71	−0·57	−0·48	−0·29	−0·19	−0·13	+0·02	+0·13	+0·21	+0·21	+0·27	+0·23	+0·24	+0·22	+0·28	+0·35	+0·53	+0·54	+0·42	+0·22
Aug.	1018·66	−0·03	−0·22	−0·37	−0·57	−0·61	−0·54	−0·35	−0·18	−0·08	−0·01	+0·13	+0·13	+0·21	+0·24	+0·18	+0·13	+0·08	+0·09	+0·15	+0·28	+0·44	+0·40	+0·34	+0·17
Sept.	1014·91	+0·22	+0·16	−0·02	+0·18	−0·25	−0·18	−0·02	+0·12	+0·29	+0·32	+0·38	+0·28	+0·17	−0·02	−0·21	−0·49	−0·55	−0·50	−0·41	−0·41	+0·10	+0·21	+0·30	+0·31
Oct.	1018·66	+0·15	−0·03	−0·23	−0·37	−0·36	−0·39	−0·33	−0·05	+0·08	+0·19	+0·28	+0·19	−0·05	−0·18	−0·29	−0·36	−0·25	−0·02	+0·25	+0·34	+0·43	+0·40	+0·37	+0·24
Nov.	1011·16	+0·24	0·00	−0·26	−0·41	−0·42	−0·47	−0·35	−0·08	+0·13	+0·23	+0·38	+0·16	−0·15	−0·42	−0·55	−0·45	−0·28	0·00	+0·23	+0·43	+0·51	+0·53	+0·52	+0·48
Dec.	1014·88	+0·02	−0·15	−0·12	−0·27	−0·40	−0·40	−0·30	−0·09	+0·25	+0·50	+0·69	+0·43	+0·05	−0·25	−0·38	−0·31	−0·21	−0·09	+0·01	+0·05	+0·20	+0·29	+0·26	+0·18
Year	1011·15	+0·14	−0·05	−0·21	−0·32	−0·39	−0·35	−0·23	−0·05	+0·10	+0·18	+0·27	+0·21	+0·05	−0·12	−0·23	−0·26	−0·22	−0·11	+0·03	+0·16	+0·35	+0·39	+0·36	+0·29

† See page 23

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY
Maximum and minimum for the interval 0h. to 24h., Greenwich Mean Time

357 VALENTIA OBSERVATORY: H_b = 13·7 metres 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	984·7	979·3	989·8	984·8	007·5	995·2	011·2	002·6	028·0	024·8	017·8	010·3	004·0	001·6	014·6	006·4	020·2	008·4	021·4	016·0	028·5	019·3	028·0	021·4
2	990·1	983·1	007·3	986·5	012·1	007·5	014·2	011·2	025·1	023·5	017·5	013·6	006·0	003·4	012·7	003·7	009·2	998·4	016·1	012·4	020·6	016·5	021·4	017·0
3	008·9	988·2	013·1	007·3	012·0	009·6	013·0	007·1	024·5	016·9	020·2	016·5	010·0	002·2	020·9	012·6	999·8	997·7	012·4	008·0	016·9	012·9	017·0	008·0
4	013·1	002·6	011·9	008·1	013·1	008·3	019·3	009·3	016·9	005·3	023·0	020·0	010·0	006·5	023·4	020·9	003·3	999·8	009·3	007·7	012·9	005·0	020·2	010·1
5	002·6	965·7	011·9	007·3	015·7	013·1	025·5	019·3	005·6	002·8	023·0	019·5	013·0	009·9	021·0	014·3	011·1	002·8	016·2	009·3	005·0	986·8	020·2	011·3
6	980·3	971·4	013·5	011·6	015·2	001·2	025·1	019·5	013·8	004·0	019·5	015·8	012·3	007·7	025·4	014·3	011·2	989·1	024·2	016·2	986·8	971·9	032·3	020·2
7	993·0	980·3	014·3	012·8	003·3	997·7	019·5	017·0	018·5	013·8	019·9	014·9	009·2	006·4	026·5	023·7	007·7	995·8	024·3	021·2	979·1	965·3	032·3	028·8
8	991·7	979·3	013·8	005·2	012·5	003·3	020·4	018·1	018·4	016·2	023·7	019·7	009·1	007·2	023·7	018·0	010·6	007·6	021·2	015·3	982·0	975·1	030·2	027·2
9	984·5	959·5	005·2	988·9	012·6	010·4	022·5	020·2	017·3	015·9	023·2	018·2	011·7	008·7	018·5	015·5	012·0	005·7	026·0	017·9	001·9	982·0	029·7	026·8
10	011·0	982·2	994·7	984·3	014·7	012·2	020·8	018·3	018·8	016·6	020·3	014·6	016·4	011·2	015·5	011·7	012·1	007·7	027·7	025·5	005·5	000·6	026·8	012·7
11	022·1	011·0	005·5	982·0	013·4	009·6	018·6	015·1	018·5	015·7	015·6	011·5	016·1	010·7	017·4	014·8	007·7	001·4	029·1	027·1	000·6	970·9	012·7	006·3
12	023·1	020·7	013·5	005·5	012·6	010·5	015·4	010·2	020·7	016·1	018·3	015·5	010·7	000·7	017·1	015·1	014·0	005·2	029·1	026·7	014·3	976·3	011·9	008·9
13	020·9	018·3	013·3	997·7	013·2	011·4	011·3	004·5	020·0	014·1	018·1	013·7	008·2	004·9	015·1	008·3	017·4	013·4	026·7	021·6	015·9	012·2	008·9	971·7
14	020·7	017·8	003·5	000·2	022·6	013·1	007·8	004·5	017·1	001·5	014·3	011·1	007·1	996·5	010·0	006·0	027·4	017·4	021·6	017·7	024·2	014·5	996·1	969·8
15	017·8	006·7	000·2	995·5	026·7	022·6	008·4	006·9	009·4	002·9	015·9	008·2	009·0	995·7	015·6	010·0	029·1	027·4	024·4	020·1	022·6	013·0	000·0	980·9
16	006·7	003·5	995·6	985·6	026·6	022·9	011·6	005·7	011·9	007·6	008·9	004·4	010·4	004·7	015·7	012·3	028·8	026·1	024·7	017·8	013·2	004·0	001·9	984·4
17	007·2	000·2	985·6	975·8	022·9	018·8	019·5	011·6	016·8	011·3	015·4	008·9	004·7	990·8	019·7	011·1	026·8	025·0	017·9	011·5	021·0	003·9	000·0	985·8
18	000·2	989·9	982·9	971·4	018·9	008·2	019·4	017·9	021·9	016·7	019·8	015·2	005·3	990·9	019·9	010·2	026·0	022·7	023·5	017·9	024·5	021·0	016·5	991·8
19	989·9	979·2	000·8	982·5	006·2	993·0	018·5	006·8	021·9	020·6	019·3	010·0	009·4	005·3	012·2	006·1	022·7	020·5	027·5	017·1	030·4	022·2	020·8	014·7
20	989·2	978·4	004·1	000·8	999·7	991·5	010·5	004·4	022·8	020·6	010·0	006·3	014·6	009·4	017·6	011·7	021·0	017·8	028·8	026·8	033·7	030·4	014·7	008·9
21	999·3	989·2	004·7	002·3	998·5	987·9	004·4	985·1	023·7	022·6	009·2	003·6	014·5	012·0	025·7	017·6	027·3	018·8	026·8	023·6	032·8	026·9	016·1	007·9
22	004·8	996·6	002·3	997·4	987·9	980·0	016·1	003·8	022·6	007·7	012·9	008·8	012·5	994·3	028·5	025·6	028·0	025·5	023·6	011·2	026·9	019·6	034·7	016·1
23	005·9	999·0	007·6	999·1	990·6	986·7	013·3	000·6	013·7	007·4	020·7	012·9	994·3	988·5	027·9	026·8	025·5	010·7	017·5	011·0	019·6	012·3	039·5	034·7
24	999·0	984·4	018·5	007·5	994·0	987·2	011·1	009·1	013·7	010·9	021·2	020·3	005·5	993·3	029·1	027·5	010·7	001·7	017·1	001·9	018·2	011·4	038·7	036·2
25	990·7	984·2	024·7	018·4	999·3	992·6	012·2	010·6	014·7	009·9	021·0	018·9	012·4	005·2	028·1	024·9	016·8	004·8	009·0	003·3	020·2	018·2	036·9	034·0
26	993·1	978·4	020·3	004·4	999·0	995·1	025·7	012·2	021·1	014·6	021·3	020·1	013·6	012·1	025·0	021·7	022·7	016·7	007·8	997·2	018·7	015·2	034·0	025·3
27	985·2	978·6	004·4	992·3	999·4	993·4	027·3	024·7	021·7	020·0	020·8	016·5	012·1	003·6	023·6	021·4	022·3	017·2	019·4	007·8	025·5	017·9	025·3	013·8
28	988·7	983·2	997·1	992·4	000·6	990·7	030·0	022·7	023·5	021·7	016·5	007·9	020·3	007·5	025·5	023·0	024·7	018·1	022·9	019·4	029·5	025·5	013·8	008·4
29	994·3	984·2	999·2	995·6	000·4	985·2	032·3	030·0	021·3	012·3	007·9	003·2	027·9	020·2	027·3	025·1	025·9	024·1	021·3	019·5	027·5	023·0	016·2	011·0
30	994·6	988·9	-	-	005·0	000·4	031·9	028·0	016·3	010·7	003·2	000·3	027·9	021·4	027·4	026·2	025·5	021·4	024·6	017·6	027·6	022·2	016·3	011·0
31	994·0	987·3	-	-	006·5	004·1	-	-	019·1	016·3	-	-	021·4	013·6	026·2	020·1	-	-	029·3	024·6	-	-	011·6	009·6
Mean	1000 ·24	989 ·40	1005 ·49	996 ·66	1008 ·47	1001 ·98	1017 ·89	1015 ·23	1018 ·69	1013 ·58	1017 ·28	1012 ·68	1011 ·60	1004 ·71	1021 ·19	1016 ·28	1018 ·25	1011 ·63	1021 ·66	1015 ·84	1016 ·20	1006 ·53	1020 ·15	1009 ·99

Note. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written, 005·6. This rule does not, however, apply to monthly means

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

358 **VALENTIA OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — **JANUARY, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	80·4	80·6	80·4	80·3	80·0	80·1	79·9	80·1	81·0	81·0	81·0	81·0	80·9	81·0	81·1	81·0	80·4	80·2	80·3	80·2	79·4	78·6	77·5	77·4	80·2
2	77·0	77·0	77·9	77·0	76·8	76·5	75·6	76·0	75·4	75·0	75·7	76·5	78·0	78·7	79·1	78·4	76·7	76·5	75·5	75·3	75·7	78·1	78·2	79·1	76·9
3	79·0	79·5	79·0	78·8	77·9	77·7	77·0	76·4	77·0	76·9	78·5	79·1	79·1	78·9	78·4	78·0	78·0	78·4	79·5	77·8	78·0	79·7	80·1	79·8	78·4
4	79·1	80·5	80·8	81·0	80·2	80·0	78·4	78·5	79·0	79·3	80·0	80·4	80·8	81·6	81·1	81·0	81·8	82·0	82·1	82·1	81·4	81·0	80·9	80·5	80·5
5	80·0	79·6	79·7	79·3	79·1	79·5	79·6	79·5	78·9	79·1	79·6	78·7	78·1	78·1	79·3	79·9	79·9	80·0	80·0	80·0	80·2	80·0	80·4	80·7	79·5
6	80·4	80·6	80·4	80·6	80·8	80·4	80·1	80·5	80·5	80·1	80·3	81·0	81·0	81·0	81·0	81·1	81·0	81·4	81·1	81·4	80·7	81·1	81·1	81·4	80·8
7	81·4	81·6	80·9	81·3	81·2	80·9	81·1	81·2	81·2	81·5	81·4	81·5	81·8	81·9	81·8	81·8	81·5	80·8	79·0	78·4	77·5	78·0	80·6	80·3	80·8
8	81·1	80·5	81·0	81·7	82·2	83·0	83·0	83·0	82·5	82·8	82·9	83·0	83·3	83·4	83·1	83·0	82·7	82·8	82·0	82·1	81·7	81·9	82·4	82·4	82·4
9	82·9	82·2	82·5	81·6	82·0	82·0	82·3	82·8	82·4	82·2	83·0	84·2	84·6	84·4	83·0	82·4	83·0	82·7	83·0	83·1	83·0	83·1	83·2	83·4	82·9
10	83·1	83·2	83·3	83·2	83·1	83·1	82·9	82·8	83·0	82·9	82·8	83·0	83·1	82·7	83·0	82·7	82·1	82·0	81·2	81·8	81·2	80·9	80·5	80·8	82·5
11	80·2	79·0	79·1	79·2	79·0	78·9	78·0	77·9	77·3	76·5	76·8	77·2	77·6	77·9	78·0	78·0	77·5	77·9	77·9	77·5	77·6	77·4	77·4	77·0	78·0
12	77·0	76·9	76·9	76·9	76·5	76·6	76·8	76·2	76·8	77·9	77·5	78·2	78·7	79·0	79·0	78·4	78·0	77·8	77·5	77·2	77·2	77·0	77·0	78·0	77·4
13	78·0	78·6	78·5	78·8	78·1	78·1	78·0	78·4	79·4	80·2	80·9	81·1	81·2	81·9	82·0	81·8	81·8	81·8	81·6	81·2	81·0	81·0	80·7	80·3	80·1
14	80·0	80·2	80·0	79·9	80·0	80·0	80·0	80·1	80·2	80·5	80·5	80·8	80·9	80·9	80·5	80·4	80·4	80·5	80·1	80·1	80·3	80·3	80·0	80·0	80·3
15	80·0	80·1	80·0	80·0	80·4	80·8	81·1	80·8	80·9	80·8	80·6	80·6	80·3	79·6	79·2	78·9	78·5	78·4	78·1	78·1	78·0	78·1	78·0	78·2	79·6
16	78·4	78·2	78·0	77·7	77·1	77·4	76·8	76·5	77·4	77·9	77·6	77·5	77·4	77·4	77·0	76·8	76·4	76·0	75·9	75·5	75·0	74·3	74·5	73·7	76·8
17	74·1	74·5	75·2	74·6	74·8	74·8	75·1	74·5	74·4	75·7	75·0	75·9	77·0	78·1	78·4	78·5	79·8	79·7	80·0	80·0	79·7	80·3	80·5	80·9	77·0
18	80·9	80·2	80·6	80·0	80·4	80·1	79·1	79·0	79·0	78·6	78·2	78·1	78·4	78·8	79·0	78·8	78·6	78·3	78·4	78·8	78·2	77·4	77·4	77·4	79·0
19	77·9	77·3	78·0	78·6	78·3	78·3	78·5	79·0	78·6	78·5	78·4	79·0	79·9	79·3	79·5	79·5	79·1	78·6	78·3	78·4	78·0	77·4	77·5	77·7	78·5
20	77·0	76·4	76·1	76·2	76·3	75·9	75·8	75·8	75·6	76·0	75·9	75·9	76·5	76·7	76·6	76·5	76·5	76·8	75·6	76·4	75·3	74·5	74·5	76·5	76·1
21	76·5	76·8	77·0	76·3	76·4	76·1	76·8	76·5	77·0	76·9	78·4	77·4	78·0	77·8	76·1	76·4	75·6	75·5	74·9	74·2	74·2	74·4	75·0	74·9	76·2
22	74·1	74·3	74·8	75·0	75·0	75·0	74·9	75·0	76·8	77·0	77·5	78·2	76·7	78·0	76·5	78·0	78·9	77·8	78·9	78·8	79·2	79·0	79·0	78·8	76·9
23	78·4	78·5	78·0	77·1	76·1	75·5	75·2	75·5	76·0	77·5	78·4	78·4	79·0	79·1	79·6	79·8	80·2	79·9	80·1	79·9	79·9	79·9	79·5	79·3	78·4
24	79·8	79·8	79·5	80·1	80·1	80·0	79·4	79·9	80·0	80·0	80·4	80·2	80·0	79·7	79·0	78·5	78·0	77·2	76·8	77·0	77·0	77·1	76·9	76·6	78·9
25	76·4	76·0	76·6	77·6	78·1	78·4	78·4	78·8	78·9	79·2	79·7	79·9	79·3	79·1	79·6	79·9	80·0	80·0	80·4	80·0	80·1	80·6	80·1	80·0	79·0
26	80·4	80·0	79·1	80·0	79·5	79·2	78·8	79·0	78·7	78·1	80·0	80·8	81·3	81·0	81·1	80·4	80·2	81·0	81·3	81·5	81·8	82·0	82·2	82·4	80·4
27	81·6	80·9	81·0	80·7	80·8	80·6	81·0	81·1	81·2	81·3	81·5	82·0	82·9	82·0	81·6	80·5	80·2	80·5	80·9	81·0	81·3	80·0	80·9	80·2	81·1
28	78·8	78·5	78·6	78·5	80·0	79·0	80·7	80·0	80·2	80·0	81·0	81·0	81·4	81·2	81·1	80·9	80·7	80·5	79·6	79·0	79·9	78·2	77·9	77·3	79·8
29	76·8	77·0	76·9	76·9	78·0	78·1	78·8	78·3	78·4	79·1	80·3	80·9	81·4	81·5	81·2	81·6	81·8	81·8	81·6	82·0	81·9	81·8	81·5	81·1	79·9
30	80·8	80·6	81·0	81·0	80·0	80·2	80·4	80·1	81·0	81·7	82·1	82·9	83·0	83·2	83·1	83·1	83·0	83·1	82·8	82·8	82·7	82·1	82·0	81·9	81·8
31	81·8	81·6	81·6	81·9	82·0	82·2	82·4	82·2	82·1	82·9	83·0	83·3	83·7	83·4	83·3	82·9	82·2	82·2	82·6	82·4	82·3	80·9	80·6	80·5	82·3
Mean	79·1	79·1	79·1	79·1	79·0	79·0	78·9	78·9	79·1	79·3	79·6	79·9	80·2	80·2	80·1	80·0	79·8	79·7	79·6	79·5	79·3	79·2	79·3	79·3	79·4

359 **VALENTIA OBSERVATORY:** North Wall Screen: h_t = 1·3 metres — **FEBRUARY, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	80·2	80·8	80·8	79·8	79·5	79·8	80·0	80·0	79·4	80·0	80·8	81·0	81·0	80·8	80·7	80·6	80·0	79·0	78·5	77·3	77·3	77·8	78·0	79·3	79·7
2	79·4	79·0	77·7	77·0	76·9	77·1	77·1	76·9	76·7	78·0	79·8	79·8	80·0	80·3	80·2	79·9	79·7	78·4	78·7	78·6	78·0	78·0	78·0	77·2	78·5
3	77·4	78·0	77·6	76·4	76·9	75·4	74·9	75·4	74·5	75·2	76·0	77·2	78·0	78·1	78·7	78·4	78·0	77·2	77·9	77·9	78·2	78·1	78·4	78·6	77·2
4	78·9	79·0	78·9	79·0	79·0	79·4	79·3	79·5	79·5	80·0	80·5	81·0	81·1	81·2	81·5	81·9	82·0	82·0	82·1	82·3	82·4	82·2	82·4	82·4	80·7
5	82·4	82·6	82·5	82·6	82·6	82·9	83·0	83·1	83·6	83·5	83·6	83·7	84·0	84·1	84·1	83·4	83·0	83·0	83·0	83·4	83·4	83·5	83·4	83·9	83·2
6	84·0	84·0	83·9	83·5	83·9	83·8	84·0	83·8	83·9	83·8	83·6	84·0	84·3	84·3	84·5	84·4	84·2	84·1	84·0	83·9	83·8	83·8	83·7	83·7	84·0
7	83·9	83·6	83·4	83·5	83·5	83·4	83·8	83·3	83·2	83·0	83·9	84·0	83·9	83·4	83·4	83·0	82·9	82·7	82·2	82·0	81·9	81·5	81·5	81·1	83·1
8	81·0	81·0	81·0	81·0	80·9	80·7	80·5	80·4	80·0	80·0	80·5	80·2	79·8	79·1	79·0	78·4	78·1	77·9	77·9	77·8	78·0	78·0	78·8	79·0	79·6
9	78·8	78·8	78·8	78·8	79·0	79·0	79·0	78·5	78·3	77·9	78·0	77·9	79·0	79·1	79·1	78·9	78·6	80·1	80·8	81·2	81·6	82·0	82·0	82·1	79·4
10	82·0	82·0	82·0	81·9	81·7	81·5	81·2	80·4	80·5	80·2	79·9	79·6	79·1	79·0	79·0	79·0	78·8	78·9	78·0	77·3	79·1	79·7	79·9	79·9	80·1
11	80·0	80·2	80·8	81·0	81·6	81·9	82·4	82·9	82·9	82·6	82·7	82·7	82·8	82·5	82·5	82·9	82·9	82·9	82·8	82·9	82·9	83·0	83·0	82·3	82·3
12	82·8	82·5	82·2	81·9	81·5	81·4	81·0	80·9	80·6	80·9	81·0	81·1	81·7	81·4	81·4	81·9	82·0	82·1	81·9	81·9	80·9	82·0	82·0	81·7	81·6
13	81·9	81·8	81·8	81·2	80·9	80·5	80·4	80·4	79·0	79·1	78·4	78·1	78·8	79·8	80·9	82·0	82·5	83·1	83·2	83·2	83·1	83·0	82·0	81·0	81·1
14	81·0	80·9	80·8	80·8	80·7	80·6	80·5	80·6	80·7	81·2	81·8	82·1	82·2	82·1	82·4	82·4	81·8	81·3	81·1	81·1	80·5	80·1	80·0	79·9	81·1
15	80·0	80·2	79·7	78·5	78·4	78·4	79·7	79·5	79·6	80·3	81·9	82·7	82·6	82·8	83·0	82·8	82·1	81·9	82·0	82·3	82·1	82·0	82·0	82·0	81·1
16	82·0	82·0	81·8	81·9	81·9	81·7	81·9	81·7	81·5	81·9	82·0	82·7	82·4	82·4	82·0	82·0	82·1	82·0	81·5	81·4	81·7	81·4	81·1	81·0	81·9
17	80·9	80·7	80·8	80·6	80·4	80·9	80·4	80·2	81·6	82·1	83·0	83·2	83·9	84·1	84·1	83·9	83·4	83·0	82·1	82·2	81·9	81·4	80·4	80·1	81·9
18	80·4	80·2	79·8	79·9	79·9	79·9	79·8	79·8	79·9	80·0	80·5	81·1	81·3	81·0	81·2	81·0	81·0	80·9	80·7	80·6	80·5	79·5	79·0	79·4	80·3
19	78·3	77·9	77·9	77·4	78·0	77·1	77·4	79·9	80·0	80·6	80·6	80·0	81·0	81·2	80·9	81·0	80·0	80·3	80·0	80·0	79·9	78·8	79·9	79·1	79·5
20	79·5	79·7	78·0	78·7	77·0	76·2	76·4	75·5	76·6	78·0	79·8	81·0	81·5	81·0	81·1	80·9	80·1	79·9	78·1	77·0	76·5	74·9	74·5	74·0	78·3
21	73·7	74·0	73·5	73·8	73·1	73·4	73·4	73·2	74·4	76·0	78·0	79·4	80·2	80·2	80·9	80·8	80·4	79·0	77·4	77·0	77·2	77·4	77·4	77·0	76·6
22	77·2	77·0	76·0	75·9	76·0	76·1	75·0	75·0	74·9	75·2	77·0	78·9	80·1	80·8	79·4	79·5	79·8	79·0	78·5	77·7	77·0	77·0	76·8	76·4	77·4
23	76·0	75·5	75·2	74·0	75·2	77·4	77·5	78·2	79·0	79·9	79·9	78·8	80·3	79·9	80·1	80·0	79·7	79·4	79·1	78·5	79·2	79·2	79·3	79·0	78·3
24	78·0	79·2	79·1	78·6	78·9	79·7	79·2	79·0	79·0	79·9	80·3	80·0	80·4	80·5	81·2	81·1	80·7	80·3	80·0	80·1	80·2	80·5	80·0	79·5	79·8
25	79·2	78·6	78·2	78·3	77·1	77·0	76·9	77·5	77·5	78·3	78·9	79·9	80·3	80·9	80·7	80·6	80·0	79·9	79·5	79·5	79·0	78·8	79·4	79·2	79·0
26	79·5	80·0	80·9	81·1	81·4	81·4	81·4	81·5	81·8	81·1	81·7	82·2	82·9	82·4	82·0	81·7	81·3	81·8	81·8	81·2	81·4	80·3	79·0	79·1	81·2
27	79·0	79·0	79·2	79·0	78·9	79·9	79·7	80·0	79·0	80·0	81·0	79·9	78·5	79·1	80·4	80·6	80·0	80·6	80·3	80·4	80·6	80·5	80·6	80·8	79·8
28	80·0	80·0	80·0	79·9	79·8	79·5	79·0	78·1	78·0	78·9	78·4	79·7	78·6	79·1	80·0	79·3	79·1	79·0	79·0	78·5	78·2	78·9	79·0	79·0	79·2
29	79·0	79·2	79·2	79·2	79·4	79·2	79·3	79·0	79·2	79·1	79·4	79·6	79·9	80·0	80·1	79·5	79·6	79·2	78·9	78·5	78·1	78·2	77·0	76·2	79·1
Mean	79·9	79·9	79·7	79·5	79·4	79·5	79·5	79·5	79·5	79·9	80·4	80·7	81·0	81·1	81·2	81·1	80·8	80·7	80·4	80·2	80·2	80·1	79·9	79·8	80·2
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

360 **VALENTIA OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — **MARCH, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·9	76·0	76·0	76·2	75·9	75·9	76·0	77·4	77·0	78·0	78·4	78·6	78·7	79·3	79·0	79·1	78·4	78·7	78·5	78·1	78·0	77·8	77·8	77·5	77·6
2	77·1	77·0	77·0	77·1	77·1	77·2	77·2	77·5	78·0	77·8	78·0	78·7	79·0	79·1	79·3	79·1	78·9	78·1	78·1	77·7	77·1	77·5	77·9	79·2	77·9
3	79·7	79·9	78·5	78·9	79·0	78·5	79·5	78·6	79·7	79·0	80·0	80·6	80·9	80·9	80·8	80·8	80·2	80·1	79·9	79·7	79·2	79·3	79·0	78·8	79·7
4	78·7	79·0	79·0	78·8	78·9	79·1	79·0	79·0	79·9	81·0	82·3	82·4	82·4	82·7	81·3	81·9	81·8	81·2	80·5	80·4	80·2	80·2	80·2	80·3	80·4
5	80·5	80·3	80·8	80·2	80·4	80·1	80·1	80·0	80·7	80·5	81·4	80·9	81·9	81·3	81·4	81·5	81·0	81·0	80·9	80·9	80·2	80·7	80·9	81·0	80·8
6	81·0	80·9	80·4	80·8	80·3	80·4	80·1	79·8	80·0	80·9	82·0	82·2	82·4	82·8	82·2	82·0	81·8	81·9	82·0	82·0	82·0	82·1	82·2	82·2	81·4
7	82·4	82·2	82·1	82·0	82·0	82·2	82·0	82·0	82·0	82·0	82·0	81·8	81·5	81·5	80·9	80·4	80·1	79·7	79·8	80·0	79·7	79·5	79·6	79·2	81·2
8	79·3	79·3	79·3	79·2	79·1	79·1	79·1	79·0	79·4	79·7	80·0	80·7	81·0	80·9	81·1	81·2	81·5	81·2	81·0	80·8	80·6	60·4	80·0	80·0	80·1
9	79·8	79·8	79·5	79·2	79·1	79·0	79·1	78·1	78·4	79·9	80·0	80·2	80·5	80·4	80·1	80·0	79·9	79·2	79·0	79·0	78·9	78·5	78·5	78·4	79·4
10	78·2	78·0	77·8	77·4	77·3	77·2	77·1	77·0	77·1	77·7	78·0	78·6	79·0	79·7	80·0	79·9	79·9	79·4	79·1	79·2	79·0	79·0	78·3	78·1	78·4
11	77·7	77·6	77·5	77·1	77·4	77·1	76·9	77·0	78·4	79·2	79·8	80·2	80·5	80·9	81·1	81·1	80·9	80·2	79·1	78·7	78·0	77·4	77·1	76·3	78·7
12	76·1	75·6	75·0	75·6	76·0	76·4	77·0	76·9	77·7	79·1	80·4	81·6	82·2	82·5	82·0	81·8	81·6	81·0	80·5	79·7	79·1	79·0	79·3	79·4	78·9
13	78·8	79·4	79·0	78·8	76·8	78·4	78·1	79·6	79·7	80·8	81·4	82·0	82·6	82·4	82·5	82·3	81·8	81·4	81·3	81·6	81·6	81·4	81·1	81·2	80·5
14	80·9	80·9	80·9	80·8	80·4	80·6	80·0	80·3	80·9	82·0	82·7	83·1	83·4	84·0	83·8	83·9	83·9	82·9	82·3	81·5	81·2	81·2	81·0	80·7	81·8
15	80·8	80·5	80·2	79·9	79·8	79·7	79·8	79·7	80·3	81·3	83·0	83·7	84·3	84·1	84·2	84·0	83·5	82·6	81·9	81·0	80·4	79·5	79·0	77·9	81·4
16	76·8	76·0	75·3	76·1	76·5	75·0	75·0	74·6	77·3	79·7	81·0	82·9	83·6	84·0	83·6	83·2	83·0	82·1	80·1	79·4	78·7	77·0	76·7	75·9	78·9
17	76·8	75·9	74·9	74·8	75·0	75·2	74·2	74·8	76·4	78·6	81·1	82·6	83·0	83·6	83·5	82·9	82·4	82·0	81·0	80·4	79·2	77·9	77·8	79·4	78·8
18	77·5	79·4	79·0	79·0	79·5	79·7	80·0	80·5	80·2	81·1	82·1	83·2	83·3	83·9	83·9	83·9	83·9	83·1	82·4	82·4	82·5	81·8	81·3	80·9	81·4
19	80·9	80·0	80·1	81·0	81·1	81·9	82·4	82·6	82·7	82·9	83·4	83·4	84·0	84·5	85·1	85·2	84·6	84·4	84·0	83·9	83·9	83·9	83·9	83·8	83·0
20	83·6	83·8	83·6	83·1	83·1	82·9	82·9	82·9	83·1	83·5	83·8	84·4	84·5	84·9	85·0	84·7	84·3	83·9	84·0	84·0	84·0	84·1	84·1	84·1	83·8
21	84·5	84·4	84·0	84·0	84·1	84·2	84·0	84·1	84·2	84·5	85·0	85·1	85·4	85·4	85·1	85·1	84·9	84·1	83·5	83·1	83·5	83·4	83·5	84·0	84·3
22	84·0	84·1	83·3	83·6	83·7	83·3	83·8	83·5	84·0	84·1	84·2	84·2	84·0	84·0	84·1	84·1	83·5	82·9	82·6	82·2	82·3	82·8	82·7	82·0	83·5
23	81·5	81·3	81·3	81·1	81·8	79·9	80·1	80·1	81·4	82·3	82·9	83·7	84·1	84·5	84·9	84·9	84·2	84·0	83·7	83·4	83·5	83·8	83·2	83·0	82·7
24	83·8	83·8	81·5	81·0	80·8	81·4	81·6	82·0	82·9	83·4	84·0	84·2	84·7	84·5	84·2	84·0	83·9	83·9	84·1	84·1	84·1	84·0	84·2	84·4	83·3
25	84·1	83·8	83·2	83·6	82·9	82·3	82·6	83·0	83·5	84·4	84·9	85·7	86·0	86·2	86·1	86·4	86·4	86·1	85·4	85·4	84·1	84·0	84·0	83·6	84·5
26	83·0	83·3	83·3	83·4	82·5	82·4	81·4	81·6	82·1	82·9	83·2	83·4	83·1	83·4	84·0	83·1	82·9	82·2	81·3	80·9	80·8	80·5	80·3	80·4	82·4
27	80·4	80·5	80·6	80·8	80·9	80·9	80·8	80·9	81·1	82·0	82·3	82·7	83·1	83·0	83·9	83·4	83·0	82·9	82·5	82·4	82·2	82·1	82·0	82·1	81·9
28	82·2	82·1	82·3	82·0	81·9	82 0	82·0	83·0	84·0	84·9	84·6	84·7	85·0	84·5	84·7	84·5	84·4	84·7	84·8	85·0	84·9	84·4	84·4	85·0	83·8
29	84·9	84·9	84·4	84·3	84·2	84·4	84·6	84·8	84·7	84·7	84·8	85·0	85·1	84·9	84·8	84·6	84·6	84·9	84·5	84·4	84·2	84·1	83·7	83·1	84·6
30	82·9	82·3	82·0	81·7	81·9	82·0	81·5	81·6	83·1	84·3	85·0	85·0	85·4	85·2	85·9	86·0	85·6	85·0	84·9	85·0	84·9	84·9	84·8	84·6	83·9
31	84·3	84·4	84·6	84·5	84·5	84·5	83·7	84·3	84·7	85·2	85·9	87·0	87·0	87·1	86·4	86·1	85·5	85·1	84·2	83·9	83·7	83·5	83·3	83·2	84·9
Mean	80·6	80·5	80·2	80·2	80·1	80·1	80·1	80·2	80·8	81·5	82·2	82·7	83·0	83·1	83·1	82·9	82·7	82·3	81·8	81·6	81·3	81·2	81·0	81·0	81·4

361 **VALENTIA OBSERVATORY:** North Wall Screen: h_t = 1·3 metres — **APRIL, 1936**

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	83·1	83·1	83·0	83·0	83·0	83·1	83·0	82·8	82·8	83·1	83·4	83·9	84·2	83·9	84·1	83·1	83·5	83·2	82·7	82·5	82·4	82·4	82·1	82·1	83·1
2	81·7	81·8	81·8	81·4	81·5	81·6	81·8	81·9	82·0	82·4	83·8	84·2	85·2	85·0	85·2	85·6	85·4	84·0	83·2	82·0	81·0	80·6	80·3	80·7	82·7
3	83·0	83·4	83·5	83·5	83·4	83·5	83·4	83·9	84·2	84·8	84·6	84·1	84·1	83·8	83·0	83·0	83·0	82·1	81·6	81·3	81·1	81·0	81·3	81·2	83·0
4	80·8	80·4	80·1	79·7	79·4	78·9	78·4	77·9	78·3	79·2	80·1	80·1	81·2	81·0	80·9	80·5	80·3	80·0	79·9	79·6	79·0	78·9	78·7	78·5	79·7
5	78·3	78·1	78·2	78·6	78·6	78·6	79·0	80·0	79·9	81·0	81·6	82·0	83·2	83·5	83·9	83·6	83·4	83·3	82·5	81·6	80·7	79·6	80·0	78·7	80·7
6	77·7	77·0	76·9	76·6	76·6	76·0	76·2	78·3	79·1	79·7	80·5	81·2	81·9	82·6	83·1	83·0	82·7	82·1	81·8	81·0	80·4	79·7	79·8	79·5	79·7
7	79·8	79·7	80·0	80·0	80·0	79·5	80·2	81·1	81·9	82·5	82·6	83·0	82·7	83·3	83·3	83·2	83·3	83·6	83·1	82·3	81·6	81·3	81·0	81·1	81·6
8	82·2	82·1	82·0	81·9	81·6	81·2	81·1	81·3	82·4	83·3	83·8	84·0	84·0	84·4	84·3	83·7	83·7	83·4	83·2	83·2	83·4	83·0	82·8	83·0	82·8
9	82·6	81·9	82·1	81·4	80·9	80·8	80·1	81·4	82·7	83·2	83·7	84·6	85·5	86·2	86·0	85·5	85·4	84·4	83·5	82·9	82·2	82·4	81·8	81·4	83·1
10	80·9	80·0	81·0	79·7	79·1	80·9	80·1	82·0	82·6	83·4	84·0	84·8	85·3	85·7	85·6	84·7	84·0	83·4	82·3	80·7	79·8	79·4	78·0	77·5	82·0
11	77·7	76·7	76·1	76·0	75·8	75·4	76·4	78·9	80·2	81·9	83·4	84·7	85·4	85·4	85·0	84·5	83·5	82·7	82·2	82·1	81·9	81·4	80·8	81·2	80·7
12	81·0	81·0	81·0	80·9	80·0	79·5	78·9	79·4	80·5	81·2	81·7	81·9	81·7	82·0	81·4	81·3	81·0	80·9	80·1	79·0	78·5	78·0	77·6	77·1	80·3
13	76·5	76·5	76·3	76·1	75·7	75·2	76·0	77·2	77·6	78·0	78·6	79·6	80·0	80·4	80·5	80·3	79·2	79·0	77·6	77·4	77·2	77·1	76·6	76·1	77·7
14	76·1	76·1	76·0	76·1	76·0	75·6	76·0	77·9	78·7	79·2	80·1	80·5	81·4	81·0	81·8	80·9	81·0	80·1	79·2	78·4	78·5	78·0	77·2	76·8	78·4
15	76·5	77·1	77·4	77·9	77·7	77·7	78·0	78·6	79·1	79·0	79·3	79·9	80·5	80·4	80·3	81·1	80·8	80·5	80·1	80·0	79·5	78·9	79·0	78·1	79·0
16	78·3	77·7	77·2	77·6	76·4	77·4	77·0	78·6	78·3	79·2	80·0	79·9	80·4	80·0	80·9	81·0	81·0	80·5	80·0	79·4	79·2	79·0	79·0	79·0	79·0
17	78·6	77·3	77·9	78·0	78·0	76·8	77·2	79·0	79·1	79·7	80·1	81·1	81·4	81·6	81·7	81·5	81·8	81·1	80·5	79·5	78·4	77·9	76·5	76·0	79·3
18	74·7	74·3	73·9	73·4	74·0	74·5	76·9	78·0	80·1	81·8	82·3	82·5	82·9	83·5	83·3	83·1	82·8	82·6	81·7	81·0	80·9	79·3	78·9	76·9	79·3
19	76·0	75·4	75·9	75·1	74·7	75·0	76·0	79·0	81·8	83·2	82·7	84·1	84·0	84·2	82·3	82·7	82·0	81·6	81·5	81·5	81·0	81·4	82·1	82·9	80·1
20	83·1	83·0	82·8	81·9	80·5	79·7	78·8	78·5	78·3	79·5	80·9	81·0	81·6	82·2	82·3	83·2	82·6	82·2	81·9	80·4	80·5	81·0	81·1	80·9	81·2
21	80·8	80·1	80·7	81·1	80·9	81·4	81·1	82·0	81·9	84·1	84·2	83·9	84·0	83·8	83·4	83·4	82·9	82·4	82·4	78·5	77·5	78·3	78·5	78·9	81·5
22	79·4	79·6	79·1	78·8	78·5	78·4	78·4	78·8	78·9	79·9	80·6	80·9	81·1	81·5	81·3	81·5	81·9	81·2	80·7	79·6	79·2	79·5	79·9	80·0	79·9
23	80·4	80·3	80·9	81·2	81·3	81·5	82·0	82·4	82·9	83·5	83·9	83·0	82·6	82·0	82·4	84·0	83·5	82·5	83·0	82·2	82·4	81·9	81·4	82·1	82·2
24	81·9	81·9	81·7	81·8	82·4	83·0	82·6	83·0	83·6	84·7	84·4	84·6	85·0	84·9	84·9	85·0	84·8	84·8	84·7	84·4	84·3	84·1	84·4	83·7	83·7
25	83·8	83·0	83·0	83·0	83·0	83·1	83·5	84·0	84·7	85·0	85·3	86·2	85·9	85·8	86·2	85·6	85·5	85·1	84·2	83·0	82·4	82·4	83·0	82·5	84·2
26	82·8	82·9	83·0	82·1	82·8	82·5	82·9	83·1	83·2	83·8	84·0	84·1	84·7	84·6	84·3	84·5	84·0	83·7	83·4	82·9	82·9	82·9	81·9	81·9	83·3
27	81·8	82·0	82·3	82·5	82·2	82·5	82·9	83·3	84·1	85·0	86·0	86·8	87·1	86·6	87·0	86·8	86·4	85·9	85·6	84·9	84·1	84·0	83·9	84·0	84·4
28	84·3	84·2	84·5	84·8	84·2	83·9	84·1	84·5	84·3	85·3	85·4	85·1	85·5	85·5	85·6	85·3	85·0	84·8	84·0	83·6	83·4	83·3	83·1	82·4	84·5
29	82·5	82·0	82·9	82·6	82·1	82·0	82·4	83·3	84·0	84·1	84·4	85·3	85·9	85·7	85·1	85·0	84·5	84·4	84·0	83·3	82·4	82·0	81·6	81·0	83·5
30	79·2	78·7	78·6	78·0	78·1	78·5	80·0	82·0	83·2	85·0	85·1	85·9	85·9	85·9	86·1	85·7	85·4	85·0	84·4	83·2	82·8	81·9	80·1	80·0	82·5
Mean	80·2	79·9	80·0	79·8	79·6	79·6	79·8	80·7	81·3	82·2	82·7	83·1	83·5	83·6	83·5	83·4	83·1	82·7	82·2	81·4	81·0	80·7	80·4	80·2	81·4
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 270-0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

362 **VALENTIA OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres **MAY, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·2	79·4	79·2	79·0	79·5	79·6	80·1	84·1	84·5	85·2	85·9	86·2	86·0	87·0	87·0	86·9	86·4	85·5	84·5	83·2	81·4	80·8	79·7	79·2	82·9
2	79·1	78·4	78·6	78·1	77·8	78·0	82·1	84·1	84·4	85·0	86·1	86·4	86·8	87·0	86·8	86·4	86·0	85·5	84·4	83·5	83·5	83·4	83·3	83·2	83·2
3	83·1	83·0	83·0	82·9	82·5	83·0	83·4	84·7	85·0	85·8	86·2	86·3	86·9	87·2	86·9	86·6	86·3	86·0	85·2	84·4	83·8	83·8	83·2	83·1	84·7
4	82·4	82·0	83·4	83·8	84·0	83·9	84·0	84·8	85·6	86·2	86·0	86·3	86·6	87·0	87·0	86·4	86·5	86·2	85·8	85·0	84·5	84·9	84·9	84·5	85·0
5	84·8	84·8	83·9	83·8	83·5	83·4	83·1	83·4	84·0	84·1	84·1	84·0	83·1	83·5	83·2	83·4	83·0	82·5	82·0	81·5	81·9	82·0	81·5	81·5	83·2
6	80·9	80·5	81·1	81·1	80·4	80·0	81·2	82·8	83·2	82·9	83·3	84·1	84·0	84·5	84·7	84·8	84·6	84·2	83·5	82·8	81·9	81·4	80·8	80·9	82·5
7	80·8	81·7	81·4	81·0	81·7	82·5	82·9	83·1	83·1	83·4	83·6	83·9	84·1	83·8	84·0	84·1	83·8	83·8	83·5	83·1	83·1	83·0	83·0	83·0	82·9
8	83·0	83·0	82·9	82·0	82·2	82·7	84·0	84·3	84·5	84·9	85·3	86·3	86·8	87·1	86·9	86·3	86·1	85·7	85·0	84·6	84·0	84·0	83·9	83·8	84·5
9	83·7	83·9	83·8	83·9	83·9	83·9	84·2	85·1	86·0	87·0	87·7	87·4	87·3	88·3	88·0	88·0	88·0	87·4	86·3	85·4	84·2	83·2	82·7	82·0	85·5
10	81·0	81·0	80·9	79·9	79·1	81·0	82·9	82·9	84·0	85·5	86·0	86·6	87·0	86·9	86·9	86·8	86·5	86·0	85·5	85·3	85·4	85·4	85·2	85·2	84·2
11	85·2	84·4	83·4	83·2	83·0	83·0	83·2	83·2	83·7	84·6	85·4	86·5	86·8	86·5	87·9	87·2	86·3	86·1	85·9	85·4	85·0	84·7	84·4	84·1	85·0
12	83·4	82·1	81·9	82·0	82·2	82·0	83·1	83·9	84·0	84·2	84·9	84·9	85·5	85·6	85·7	85·7	85·3	84·9	84·1	83·6	81·6	81·2	80·4	80·5	83·5
13	81·0	81·0	81·1	82·0	82·7	82·6	83·8	83·5	83·7	83·8	84·9	84·6	84·5	85·2	86·1	86·2	85·9	85·5	85·0	84·3	83·4	81·9	81·9	81·2	83·6
14	80·2	79·4	78·6	79·1	79·0	81·2	83·4	84·9	85·9	86·4	86·4	86·3	86·0	85·6	85·4	85·4	85·2	85·0	85·0	84·8	84·8	82·2	82·0	82·6	83·5
15	82·9	82·6	82·1	82·0	81·4	81·8	82·8	84·3	84·3	83·8	85·6	85·7	86·2	86·1	86·6	86·0	86·3	84·9	84·1	82·9	81·3	81·3	80·9	80·5	83·6
16	80·4	80·3	80·1	80·6	80·4	81·1	81·7	82·5	83·0	82·7	83·5	84·3	85·0	85·9	85·5	86·4	86·8	86·1	85·0	84·2	82·5	81·5	81·1	81·0	83·0
17	81·5	81·0	81·0	81·3	82·0	82·4	83·5	84·9	84·4	86·0	86·5	85·9	85·9	86·2	87·1	88·0	87·2	86·2	85·0	84·2	83·0	82·3	81·4	80·8	84·1
18	81·0	81·0	81·9	82·0	82·9	84·1	84·7	85·3	85·5	86·7	87·6	89·0	88·9	88·0	87·3	87·0	87·2	87·5	87·3	87·1	87·3	87·4	87·4	87·6	85·8
19	87·7	88·0	87·6	87·0	86·7	86·8	87·0	88·1	89·4	91·0	91·4	91·5	91·2	91·1	91·1	91·0	91·5	91·1	89·6	88·5	88·0	87·0	86·1	85·6	89·0
20	85·1	85·4	84·9	84·4	84·0	84·5	85·0	86·1	87·0	87·6	88·1	89·0	89·0	89·6	89·9	90·1	90·0	90·0	89·0	88·1	87·5	86·8	85·2	84·7	87·1
21	84·2	83·3	83·0	82·4	81·0	81·9	85·0	86·2	88·0	87·4	88·0	88·5	88·5	88·2	88·4	88·2	88·5	86·9	86·4	85·1	84·2	84·0	83·0	83·1	85·6
22	83·0	83·0	83·1	83·1	83·0	83·3	83·8	83·9	84·5	84·0	84·0	84·0	85·1	84·3	84·5	84·4	84·0	82·4	83·0	82·9	81·9	81·9	81·1	81·0	83·3
23	81·1	81·0	80·9	81·0	81·1	81·2	81·5	82·4	83·0	83·0	83·5	84·1	85·0	86·0	85·5	85·0	85·0	84·9	84·4	84·0	83·7	83·2	83·1	83·4	83·2
24	83·0	82·1	81·7	81·3	81·5	82·1	82·1	82·6	83·1	83·8	83·4	84·0	85·1	84·9	85·2	85·9	86·0	85·9	85·1	84·1	83·3	83·0	82·6	82·1	83·6
25	82·0	81·7	81·7	81·7	81·9	82·0	82·2	83·0	83·1	83·1	83·4	85·2	86·4	87·0	87·9	87·5	87·8	87·4	87·4	86·8	86·5	86·3	85·9	85·9	84·7
26	85·9	85·4	85·1	84·7	84·6	85·9	87·3	89·0	89·7	90·5	90·8	91·1	92·4	90·0	88·8	91·5	90·9	90·2	89·3	88·8	88·3	88·4	88·4	87·6	88·5
27	87·1	87·4	87·1	87·1	86·2	86·0	85·6	85·9	86·7	87·1	87·5	87·9	88·5	88·1	88·9	88·9	89·4	88·9	88·6	88·0	87·0	86·9	86·5	86·0	87·4
28	85·7	85·2	85·2	84·9	84·9	85·1	85·8	86·5	87·4	87·8	87·8	88·1	88·1	88·9	88·0	88·0	87·4	87·4	86·4	85·5	85·1	84·4	84·0	83·5	86·3
29	83·1	83·0	82·9	82·8	82·6	83·1	83·6	84·0	84·2	84·0	83·9	84·5	84·1	84·1	85·0	84·8	84·4	84·8	84·2	84·0	83·9	83·8	83·5	83·5	83·8
30	83·6	83·4	82·3	83·0	82·6	82·8	83·7	83·1	84·2	84·2	84·9	85·0	85·3	85·1	85·1	85·0	85·0	84·3	84·3	83·3	82·7	82·2	82·0	81·9	83·7
31	81·5	81·1	80·9	79·9	80·0	79·9	81·0	80·8	81·7	83·1	82·0	83·0	83·7	83·9	83·9	84·1	83·8	83·8	83·0	82·5	82·2	81·4	81·7	82·0	82·1
Mean	82·8	82·6	82·4	82·3	82·2	82·6	83·5	84·3	84·9	85·3	85·7	86·1	86·4	86·5	86·6	86·6	86·5	86·0	85·4	84·7	84·1	83·7	83·3	83·1	84·5

363 **VALENTIA OBSERVATORY:** North Wall Screen: h_t = 1·3 metres **JUNE, 1936**

	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·8	82·0	81·2	81·4	81·1	82·1	82·7	82·3	83·0	84·0	84·6	83·0	84·0	83·8	83·2	83·0	82·6	82·9	83·0	82·5	82·3	82·0	81·9	81·9	82·6
2	81·7	82·1	81·8	81·9	82·0	82·0	82·3	82·9	83·1	83·2	84·1	84·1	84·1	84·4	84·8	85·2	84·7	84·0	83·8	83·0	82·8	82·8	82·3	82·1	83·1
3	81·9	81·9	81·9	81·3	81·4	81·6	82·5	83·0	83·9	84·0	84·0	84·0	84·4	84·5	84·5	84·8	84·7	83·9	83·4	83·0	82·2	81·8	81·6	81·4	83·0
4	81·1	81·7	81·8	81·1	81·2	81·6	82·0	83·3	83·9	84·0	83·5	84·5	85·0	84·9	85·0	85·2	84·7	84·0	83·6	83·2	82·1	81·2	80·0	79·3	82·9
5	79·0	78·2	77·2	76·7	76·5	78·2	81·8	84·4	85·7	86·5	86·5	86·2	86·0	86·3	86·9	86·5	86·1	86·0	85·9	85·7	85·4	85·4	85·4	85·1	83·5
6	85·0	85·1	85·3	85·3	85·0	85·0	85·0	85·0	85·0	85·8	86·0	86·6	86·7	86·3	85·9	86·1	86·3	86·0	85·9	85·6	85·2	85·1	85·1	85·2	85·6
7	85·1	85·2	85·2	85·1	85·2	85·2	85·3	85·3	85·4	85·8	86·1	86·3	87·1	87·2	86·9	86·4	86·7	86·1	86·1	86·1	85·5	85·7	85·4	85·3	85·8
8	85·4	85·2	85·2	85·2	85·3	85·4	85·4	85·9	86·3	86·0	86·0	86·1	86·4	87·0	86·8	87·0	86·8	86·1	86·0	85·5	85·0	84·9	84·9	85·0	85·8
9	85·1	85·4	85·6	85·3	85·1	85·1	85·4	85·9	86·1	87·0	86·7	87·9	87·4	87·4	87·2	87·2	87·0	87·0	86·8	86·5	85·8	85·5	85·2	85·0	86·2
10	84·8	83·7	84·0	83·8	83·5	83·6	84·6	85·0	86·3	86·3	87·0	87·4	87·1	87·3	87·5	88·0	88·7	87·4	86·2	85·1	84·4	85·7	85·9	85·4	85·8
11	84·9	85·0	85·3	85·1	85·8	86·0	86·5	85·5	85·4	85·9	86·0	86·4	86·9	86·5	86·9	86·8	86·5	86·6	85·9	85·0	84·5	84·1	83·2	83·1	85·6
12	82·9	83·4	82·5	82·0	81·8	82·5	84·0	85·0	85·6	85·7	86·3	86·5	86·6	86·2	86·3	86·8	86·5	86·0	85·4	85·0	83·9	82·9	82·1	81·9	84·5
13	80·6	79·5	78·9	78·1	78·9	79·0	81·9	84·6	86·0	86·9	87·8	87·8	88·2	88·2	88·1	87·4	87·0	86·7	86·8	86·0	85·8	85·0	85·0	85·1	84·5
14	85·7	86·1	86·0	85·5	85·1	85·5	86·1	86·5	86·8	86·0	86·3	86·9	87·3	87·0	87·1	86·2	86·9	86·2	86·1	85·5	85·6	86·0	86·0	85·8	86·2
15	85·2	85·4	85·3	85·1	85·0	85·0	85·1	85·3	85·8	86·0	87·0	87·4	88·0	87·1	87·6	87·1	86·6	86·5	8·9	85·7	85·9	86·4	86·9	86·8	86·1
16	86·9	87·0	86·9	86·8	86·8	86·9	87·0	86·0	86·1	85·9	86·0	86·0	85·9	85·9	86·1	85·4	86·0	85·9	86·1	85·0	84·0	82·4	82·5	82·0	85·7
17	81·9	81·5	81·8	81·9	81·9	83·1	85·0	86·0	86·0	86·4	86·9	87·1	86·9	86·9	86·4	88·4	89·0	87·4	87·5	87·6	86·3	85·9	85·7	85·4	85·5
18	85·4	85·4	85·7	85·7	85·5	86·1	86·0	88·0	89·0	89·4	89·7	90·0	90·3	90·0	90·5	89·9	91·0	90·4	89·4	89·1	88·8	87·9	87·1	86·6	88·2
19	87·5	88·6	89·9	89·5	90·0	89·4	89·8	90·4	91·2	91·2	91·2	91·3	92·0	91·9	91·8	91·9	92·0	91·8	91·1	90·5	90·1	89·1	88·4	88·0	90·3
20	87·5	87·3	87·2	87·2	87·4	87·4	87·4	88·4	88·9	90·0	90·4	91·5	92·0	93·0	91·6	91·7	91·1	91·0	91·0	90·0	89·9	89·2	88·5	88·0	89·5
21	87·5	87·0	86·9	87·5	87·5	88·0	89·9	92·0	92·3	92·3	91·1	92·0	92·2	91·8	91·5	92·0	92·0	92·0	91·1	90·1	89·0	88·8	87·3	87·2	90·0
22	86·5	85·4	85·0	84·9	85·1	86·0	87·1	88·3	90·0	92·0	92·9	91·6	91·4	91·5	91·9	90·5	91·1	91·0	91·0	89·9	89·0	88·6	87·9	87·0	89·0
23	86·5	86·4	86·9	87·0	87·6	88·0	88·9	90·0	90·0	90·3	90·2	91·9	91·1	92·5	92·0	91·9	90·9	90·1	89·9	89·0	88·6	88·5	87·9	88·0	89·3
24	87·4	86·8	86·7	87·0	87·2	87·4	87·8	88·0	88·9	89·1	89·5	90·0	90·2	91·1	91·6	91·7	91·7	91·1	90·4	89·4	88·2	86·9	85·9	86·0	88·8
25	85·4	85·0	84·0	83·3	83·6	84·4	86·3	90·1	92·4	93·1	93·8	94·1	94·3	92·7	93·1	92·5	93·0	92·6	91·4	90·8	90·3	90·0	89·6	88·6	89·7
26	88·4	88·3	88·4	88·4	88·4	88·9	90·3	90·7	90·9	92·0	92·3	93·8	92·0	92·8	94·0	94·4	93·7	93·0	92·0	91·0	89·9	88·7	87·9	87·0	90·7
27	86·9	86·5	86·5	86·5	86·4	88·0	89·0	90·6	92·0	91·1	91·7	92·4	92·0	92·4	91·9	91·2	91·4	91·1	90·6	90·0	89·4	89·5	89·5	89·5	89·8
28	89·5	89·4	89·4	89·9	89·9	90·0	90·1	90·4	90·8	90·5	90·4	90·2	92·0	91·1	90·5	90·9	90·4	90·9	90·8	90·4	90·1	90·0	89·9	89·4	90·3
29	88·9	89·1	88·8	89·0	88·8	88·7	89·4	90·0	90·7	90·7	91·0	91·0	91·8	91·7	92·1	92·4	92·0	91·1	90·8	90·0	89·0	88·9	87·8	87·0	90·1
30	87·2	87·6	88·1	87·8	87·8	87·9	88·8	89·2	90·0	90·4	90·0	90·8	91·1	91·0	91·2	88·5	88·7	89·6	89·2	89·1	88·6	88·0	87·4	87·0	89·0
Mean	85·1	85·0	85·0	84·8	84·9	85·3	86·1	86·9	87·6	87·9	88·2	88·5	88·7	88·7	88·7	88·6	88·5	88·1	87·8	87·2	86·6	86·2	85·8	85·5	86·9
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

364 **VALENTIA OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	87·8	87·0	87·9	87·9	87·9	87·5	87·5	87·8	88·1	88·4	89·1	87·0	88·0	87·8	87·3	87·3	87·5	87·2	87·4	87·0	86·9	87·0	86·9	87·0	87·5
2	87·0	86·9	86·5	86·9	87·0	87·0	87·1	87·2	87·2	87·9	87·7	88·1	88·5	88·1	88·7	89·1	89·6	88·5	88·3	87·9	87·5	87·5	88·0	87·5	87·7
3	87·6	88·0	87·9	88·0	88·1	88·1	87·8	87·3	88·2	88·7	88·9	89·6	89·5	89·5	90·0	90·1	90·4	90·0	90·0	89·0	87·9	87·8	88·0	87·7	88·7
4	87·7	87·1	87·3	88·0	87·8	88·0	88·4	89·0	89·2	89·5	90·1	90·9	91·1	91·2	91·5	91·9	91·9	91·3	90·9	90·1	89·3	89·1	88·8	89·0	89·6
5	88·8	88·4	88·0	87·5	87·5	87·8	87·8	88·4	89·7	90·2	90·3	90·9	91·5	91·3	91·2	91·1	90·0	90·1	89·2	88·8	88·5	88·3	88·1	87·9	89·2
6	88·0	87·4	87·6	87·0	87·1	87·4	88·0	89·0	90·1	90·0	90·3	90·0	90·6	90·9	90·4	90·5	90·1	89·9	89·4	89·1	88·5	87·9	87·8	87·8	89·0
7	87·5	87·3	87·1	86·5	86·7	87·0	88·6	88·0	88·1	88·4	89·1	90·1	90·2	90·3	90·5	90·0	90·0	89·3	88·9	88·7	87·5	86·4	85·8	84·7	88·3
8	83·9	83·9	84·9	85·4	85·5	86·4	87·4	88·3	88·6	90·3	90·9	91·6	91·2	90·2	90·7	91·0	90·0	89·8	89·3	88·4	88·2	87·6	87·3	87·1	88·2
9	86·4	86·2	86·4	85·2	86·0	86·0	87·0	87·1	87·8	88·4	88·9	89·3	89·0	89·8	89·7	90·0	89·0	88·6	88·1	88·0	87·0	86·2	86·0	86·0	87·6
10	86·1	86·1	86·1	85·9	85·2	85·0	86·4	86·5	86·9	88·0	88·6	89·1	89·1	88·3	89·0	89·1	89·0	88·1	88·1	87·7	87·3	87·4	86·0	87·0	87·3
11	86·4	86·4	86·8	86·9	86·9	87·0	87·0	87·3	87·9	88·1	88·1	88·4	88·9	88·5	89·1	89·5	89·0	88·9	88·4	87·9	87·4	86·8	86·4	86·3	87·7
12	87·1	87·8	88·0	88·4	88·4	88·5	88·7	88·8	89·0	89·2	89·4	89·9	90·0	90·0	89·1	89·0	88·9	88·3	88·1	87·9	87·8	87·7	87·8	87·0	88·5
13	87·7	88·0	87·9	86·4	87·6	88·0	88·0	88·4	88·6	89·5	90·0	89·8	90·0	90·1	90·0	90·0	90·0	89·5	88·9	88·5	87·8	87·8	87·9	87·8	88·7
14	87·0	86·4	86·9	87·2	87·1	87·2	87·7	88·7	88·3	88·9	89·1	90·0	90·0	89·9	89·9	89·8	90·0	90·2	88·4	88·0	87·4	86·3	86·1	86·1	88·3
15	86·0	85·9	85·5	85·5	85·4	85·6	86·6	87·1	88·0	88·3	89·0	89·0	89·0	89·4	89·1	89·3	90·0	89·4	89·1	88·4	87·9	87·4	87·3	87·6	87·8
16	87·6	87·6	87·5	87·1	87·0	87·2	87·3	87·7	88·0	89·1	90·0	90·9	91·3	91·1	91·1	90·9	90·0	89·2	89·1	88·7	87·3	87·0	86·3	86·8	88·6
17	86·7	87·2	88·0	88·4	88·4	88·0	88·9	89·4	89·4	89·4	89·1	90·1	90·7	90·3	90·9	90·2	90·0	90·0	89·6	89·2	89·1	89·0	88·8	88·1	89·1
18	88·1	87·4	86·7	87·4	87·7	88·1	88·5	89·0	89·6	89·4	89·3	89·1	89·4	88·4	88·4	88·7	88·9	88·4	88·0	87·9	87·9	87·9	87·7	87·6	88·3
19	87·5	87·3	87·3	87·0	87·2	87·1	87·2	88·4	88·7	88·9	89·4	89·4	89·6	89·7	89·6	89·9	89·4	89·0	88·4	87·8	87·2	87·4	87·0	87·2	88·2
20	87·0	87·1	87·0	86·8	86·8	87·1	87·2	87·5	86·9	87·1	88·7	89·0	87·9	88·9	89·1	88·3	88·9	88·2	87·7	87·4	87·2	87·0	87·1	86·9	87·6
21	86·9	87·0	86·9	86·8	86·9	86·4	86·9	86·1	86·5	87·3	88·4	88·8	88·9	89·4	89·6	89·3	89·2	88·7	88·3	87·8	86·3	85·3	85·0	84·4	87·4
22	83·0	82·9	81·6	82·0	82·4	83·0	83·7	85·0	86·7	88·0	88·3	88·1	88·2	88·3	87·9	88·0	87·6	87·5	87·4	87·5	88·1	88·5	88·8	88·4	86·2
23	88·3	88·4	88·3	88·3	88·4	88·3	88·2	88·0	88·0	88·4	88·4	88·5	89·1	88·9	89·0	88·8	87·0	87·0	87·2	87·4	87·4	87·3	87·4	87·3	88·1
24	87·2	87·1	87·0	87·1	87·0	87·0	87·0	87·2	87·4	87·4	88·0	89·1	89·4	89·1	89·2	89·1	89·0	87·9	88·0	87·4	87·0	87·0	86·2	86·2	87·7
25	85·5	86·0	85·7	85·9	86·0	86·2	86·5	87·2	88·1	88·7	88·7	88·4	88·4	88·8	88·8	88·8	88·8	88·0	87·5	87·1	86·8	86·3	86·4	86·0	87·3
26	86·1	85·8	85·1	84·9	85·1	85·2	86·0	86·0	87·0	87·0	87·3	88·4	88·5	88·6	89·2	89·0	89·0	88·7	88·2	87·2	86·5	85·6	85·6	84·9	86·9
27	85·2	85·5	85·5	85·9	86·0	86·0	85·4	86·1	86·0	87·0	88·2	89·4	89·5	90·2	90·0	90·8	89·0	88·4	87·9	87·4	87·0	87·0	86·8	85·8	87·3
28	85·1	84·0	84·9	85·1	86·1	86·1	86·7	87·0	87·0	87·6	87·9	88·0	88·4	88·0	88·0	88·1	88·3	87·9	87·4	87·0	86·4	86·1	86·0	86·0	86·8
29	85·9	86·0	86·0	86·3	86·3	86·3	86·5	86·7	87·1	87·5	87·9	88·3	88·4	89·0	88·5	88·8	88·7	88·1	87·9	87·1	86·5	86·1	86·0	86·1	87·2
30	86·4	85·3	86·0	86·4	85·9	85·4	86·6	87·9	88·2	88·5	89·2	88·9	89·0	89·5	89·0	88·7	88·7	88·8	88·4	88·0	87·9	87·8	87·8	87·9	87·7
31	87·8	88·0	88·2	88·4	88·5	88·6	88·6	88·6	88·6	88·5	88·8	88·5	88·5	88·9	89·0	89·2	88·9	88·5	88·0	88·0	87·9	87·5	87·3	87·1	88·3
Mean	86·8	86·6	86·7	86·7	86·8	86·9	87·3	87·6	88·0	88·5	88·9	89·2s	89·4	89·5	89·5	89·5	89·3	88·8	88·4	88·0	87·5	87·2	87·1	86·9	88·0

365 **VALENTIA OBSERVATORY:** North Wall Screen: h_t = 1·3 metres — AUGUST, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	87·0	87·0	86·9	86·8	86·9	87·0	87·2	87·5	87·9	88·5	89·0	89·6	89·3	89·5	89·5	89·4	89·1	88·9	88·8	88·3	88·2	88·0	87·9	88·4	88·2
2	88·5	88·9	89·0	88·9	88·8	88·7	88·6	88·6	88·9	89·0	89·0	89·0	89·2	89·0	89·0	88·9	88·4	88·4	88·0	87·6	87·4	87·4	87·3	87·1	88·5
3	87·2	86·9	87·1	86·9	87·1	86·8	87·0	87·5	88·0	88·3	89·0	89·0	88·9	89·0	89·1	89·0	88·3	88·2	87·9	87·2	87·1	87·0	86·9	87·0	87·8
4	87·0	86·5	86·9	86·9	86·9	87·0	87·1	87·4	86·8	88·0	88·8	88·9	88·8	87·5	88·9	88·6	88·3	87·8	87·4	87·3	87·3	87·4	87·0	87·4	87·6
5	87·0	87·0	87·0	87·0	87·0	87·0	87·6	88·1	88·7	89·0	89·1	89·2	89·6	90·1	89·8	89·5	89·5	89·0	88·9	88·6	89·2	89·3	89·1	89·0	88·5
6	87·7	87·4	87·8	87·4	87·5	87·2	87·4	87·4	88·0	88·1	88·4	88·9	89·0	89·1	89·0	89·0	88·4	88·1	87·8	87·3	86·9	86·5	86·1	86·1	87·3
7	85·8	85·3	85·1	84·0	83·6	82·8	83·9	86·3	88·1	88·5	89·5	89·9	90·2	90·0	90·0	89·5	89·2	88·9	88·4	88·1	87·9	87·6	87·8	87·4	87·4
8	87·6	87·6	87·9	87·9	87·8	88·0	88·0	88·0	88·7	89·0	89·8	89·9	90·4	90·9	90·3	90·2	89·4	88·9	88·9	88·9	88·4	88·0	87·8	87·4	88·7
9	87·4	86·9	86·4	86·1	86·0	86·2	87·0	87·2	88·4	88·4	88·5	89·0	89·7	89·1	89·1	89·3	88·9	88·0	87·7	87·5	87·0	86·0	86·2	86·0	87·6
10	85·4	85·3	85·3	85·2	85·3	86·0	86·7	87·3	87·9	88·8	89·7	89·9	90·2	90·2	90·0	89·1	88·2	88·0	87·6	87·1	87·3	87·5	87·3	87·1	87·6
11	86·9	86·9	86·6	86·4	86·3	86·5	87·2	87·3	87·3	87·6	87·8	87·9	88·1	88·4	88·2	88·0	88·1	88·0	88·1	87·9	87·9	87·4	87·8	(87·9)	87·5
12	87·2	87·1	86·5	86·2	86·2	86·2	86·6	87·3	87·6	87·9	88·4	88·9	89·5	89·6	89·7	89·8	89·1	89·0	88·8	88·6	88·1	88·4	87·5	87·6	88·0
13	87·9	88·0	88·0	88·1	88·1	88·1	88·4	88·5	88·4	88·7	89·1	89·1	89·2	89·1	89·1	89·2	89·3	89·4	89·0	88·9	88·6	88·7	88·7	88·5	88·7
14	88·5	88·2	88·0	87·9	88·0	87·8	88·0	88·4	88·6	89·8	90·6	90·4	90·5	91·1	90·9	91·0	90·4	90·2	90·0	89·4	88·9	88·9	88·8	88·3	89·3
15	88·4	88·1	88·0	87·9	87·9	87·9	88·1	88·1	88·5	88·8	89·1	89·6	89·6	90·7	90·4	90·5	89·9	89·4	89·0	88·0	88·4	85·3	84·8	84·5	88·4
16	84·6	84·4	85·0	86·3	87·0	87·1	88·0	88·4	88·9	90·0	89·9	90·8	90·1	89·3	89·5	89·4	89·7	89·5	89·4	89·1	89·2	89·1	89·0	89·2	88·4
17	89·0	89·0	89·2	89·2	89·5	89·6	89·8	89·8	89·7	90·1	90·4	90·7	90·6	90·0	90·0	89·8	89·2	89·0	88·4	87·7	87·6	88·0	88·0	88·0	89·3
18	87·7	86·2	85·2	85·1	85·6	85·3	86·3	87·9	87·9	88·3	89·4	89·3	89·7	89·1	90·0	89·9	89·1	88·2	87·0	86·9	87·0	86·1	86·1	86·5	87·5
19	86·9	88·1	88·4	89·0	89·0	89·1	89·0	89·0	89·0	89·4	89·6	89·3	89·5	89·7	89·4	88·9	88·4	88·0	87·8	87·5	87·1	87·0	86·9	86·9	88·4
20	86·6	86·6	86·5	86·3	86·2	86·4	86·7	87·0	88·0	88·6	89·0	89·8	89·8	90·5	90·0	89·4	88·7	88·9	88·4	88·0	87·8	87·5	87·4	87·0	88·0
21	87·0	87·3	87·1	87·2	87·1	87·2	87·4	88·0	89·1	88·6	89·4	89·1	89·3	89·5	90·1	89·3	89·0	89·0	88·4	87·9	87·8	86·7	86·9	86·8	88·2
22	86·0	85·4	85·2	85·7	85·6	85·8	86·1	87·5	89·2	89·4	89·5	90·3	90·3	91·0	90·9	90·1	90·3	89·7	89·0	87·4	87·2	87·8	88·0	87·9	88·1
23	88·0	88·0	88·1	88·1	88·2	88·1	88·3	88·8	89·1	89·7	89·8	90·0	90·4	90·4	90·4	90·3	90·3	90·1	90·0	89·9	89·7	89·5	89·4	89·4	89·3
24	89·1	89·3	89·0	89·0	89·0	89·0	89·3	90·0	90·7	91·3	90·5	89·9	90·9	91·4	91·0	90·8	91·1	90·9	90·7	90·2	90·0	90·0	90·0	90·0	90·1
25	90·3	90·5	89·7	89·1	88·1	87·3	88·3	89·6	90·1	90·9	92·0	92·0	93·9	93·1	93·4	93·0	92·7	92·9	92·9	92·9	92·2	91·3	90·9	90·9	91·1
26	90·9	90·4	91·4	91·4	91·7	92·0	93·0	94·4	94·6	95·0	95·6	95·5	95·8	96·0	95·9	95·9	95·4	95·1	94·4	93·4	92·4	92·3	91·9	91·2	93·6
27	91·4	91·4	91·3	91·2	90·3	91·0	90·8	91·1	92·2	93·1	93·8	94·1	94·2	94·8	94·5	93·1	92·8	92·3	91·7	90·6	89·4	88·9	88·4	87·4	91·7
28	86·5	86·5	86·5	86·4	85·8	85·0	85·4	87·5	89·2	91·1	92·1	92·7	92·4	92·1	92·4	92·6	92·2	91·6	90·5	89·5	88·4	88·5	87·1	86·9	89·1
29	85·5	85·7	86·1	86·0	86·0	87·4	87·9	88·7	89·7	91·0	91·9	92·2	93·0	93·4	93·1	92·3	91·0	90·6	89·8	88·3	88·0	88·3	88·3	88·4	89·2
30	88·6	88·5	88·7	89·0	89·1	89·1	89·2	89·6	90·0	90·4	90·5	90·9	90·4	91·0	91·3	90·8	90·4	90·3	89·9	89·4	89·4	89·2	89·0	89·0	89·7
31	88·3	88·6	88·4	88·3	88·4	88·4	88·7	89·2	89·7	90·4	91·0	91·3	92·1	92·2	92·4	92·2	91·9	90·9	90·1	89·2	89·4	89·3	89·3	89·0	90·0
Mean	87·6	87·5	87·5	87·4	87·4	87·5	87·9	88·4	89·0	89·5	90·0	90·2	90·5	90·5	90·6	90·3	89·9	89·6	89·2	88·7	88·4	88·2	88·0	87·9	88·3
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

366 **VALENTIA OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres **SEPTEMBER, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	88·8	88·9	88·9	89·1	89·0	89·0	89·0	90·0	90·1	91·5	91·5	91·9	91·1	91·9	91·1	91·4	91·1	90·9	90·6	90·9	90·5	90·5	90·2	90·0	90·3
2	89·9	89·7	89·8	89·9	90·0	90·0	90·0	90·2	90·3	90·7	90·8	90·3	90·8	90·9	90·9	90·7	90·6	90·4	90·4	90·0	90·0	89·8	89·3	89·3	90·2
3	89·2	88·6	87·8	87·7	87·6	87·4	87·0	87·5	87·6	89·3	90·2	89·8	90·3	89·9	89·6	90·3	89·8	89·2	89·2	89·0	89·0	89·1	88·9	89·0	88·9
4	88·6	88·6	88·5	88·3	88·2	88·2	88·8	88·8	89·2	89·3	89·1	89·8	89·3	89·9	89·4	88·2	89·1	88·4	88·7	88·7	88·2	88·1	88·4	88·0	88·8
5	87·5	87·7	87·9	87·9	87·3	87·0	87·3	87·5	87·5	87·5	88·1	88·8	86·8	88·7	88·4	89·1	88·9	87·9	88·0	88·0	88·0	87·9	87·7	87·5	87·9
6	87·4	87·3	87·7	87·1	87·0	86·9	87·2	87·9	88·1	88·3	88·9	89·8	90·0	90·3	90·0	90·0	90·0	89·9	89·9	89·7	89·9	88·0	88·1	88·0	88·6
7	87·7	87·0	87·5	87·0	87·3	87·7	86·8	86·4	87·3	88·2	88·4	88·0	88·8	88·7	89·0	88·0	87·0	87·7	87·9	87·8	87·1	87·4	87·4	87·1	87·7
8	87·1	86·7	86·9	87·0	87·0	87·1	87·1	87·3	87·5	87·7	88·5	89·2	89·8	89·8	90·0	89·1	88·8	88·1	88·0	88·5	89·1	89·3	89·7	89·2	88·2
9	89·5	89·5	89·6	89·6	89·4	89·4	89·6	89·5	89·8	89·9	89·9	89·6	89·9	89·6	90·1	90·1	90·0	90·0	89·3	88·8	88·4	88·3	88·1	88·1	89·4
10	88·4	88·4	88·4	88·7	88·7	88·6	88·7	89·1	89·6	90·0	90·1	90·9	90·0	90·3	90·3	90·0	90·0	89·6	89·4	89·4	89·4	89·5	89·5	89·5	89·4
11	89·7	89·6	89·5	89·6	89·6	89·7	89·7	89·9	89·9	90·0	90·0	90·1	90·4	90·4	90·2	89·9	89·0	88·9	88·9	89·0	88·1	87·4	87·1	87·2	89·4
12	87·4	87·6	87·6	87·2	86·9	87·0	87·4	87·6	88·9	88·6	89·8	90·0	89·6	89·9	90·4	90·2	90·0	89·5	88·6	87·7	87·4	87·9	87·6	87·3	88·4
13	87·4	87·5	87·7	87·0	87·1	86·9	86·8	87·1	88·4	89·8	86·7	87·9	88·3	89·5	88·1	88·9	88·2	87·8	87·2	86·5	86·8	86·5	87·1	87·0	87·6
14	86·4	86·6	87·3	87·1	87·1	87·2	87·0	87·1	87·5	87·7	88·2	88·3	88·5	88·4	88·0	88·0	87·9	87·4	86·9	86·5	86·7	86·3	85·9	85·6	87·3
15	84·9	85·4	85·0	84·6	83·5	81·7	82·5	83·3	85·1	86·2	88·0	88·7	88·9	89·0	88·8	88·7	88·7	88·0	87·0	86·0	84·0	83·2	82·3	81·5	85·7
16	82·3	81·6	82·0	80·9	80·6	80·2	82·0	82·7	84·5	86·5	87·9	88·5	89·1	89·6	88·9	88·7	88·4	87·9	86·2	85·2	85·0	84·1	83·3	82·3	84·9
17	82·6	81·5	82·1	81·3	82·1	81·1	82·0	83·0	84·9	86·9	88·4	89·9	90·9	90·3	90·1	90·6	89·5	89·1	88·3	87·1	87·2	86·5	85·9	85·1	86·0
18	84·6	84·9	84·4	84·1	84·4	84·9	85·6	86·2	86·6	86·9	87·0	87·9	88·1	88·3	88·3	88·2	88·3	88·2	88·2	87·9	88·0	88·0	88·1	88·1	86·8
19	88·0	88·0	87·9	88·0	88·0	88·1	88·1	88·4	89·1	90·0	90·7	91·2	91·4	91·1	91·2	91·0	91·1	90·5	89·1	89·0	88·5	88·4	88·3	88·0	89·3
20	87·6	87·0	86·0	85·6	87·1	87·6	88·2	88·0	89·0	89·3	89·4	90·2	90·8	91·1	90·6	90·8	90·0	89·2	88·6	88·4	88·1	88·0	88·0	87·9	88·6
21	87·9	87·9	87·8	87·8	87·7	87·6	87·8	87·9	88·2	88·8	89·5	90·0	90·0	90·2	90·3	90·0	89·6	89·0	88·4	87·2	86·4	85·7	84·6	83·8	88·2
22	84·0	83·9	83·9	83·4	83·1	82·3	83·0	83·7	86·0	87·9	88·8	90·0	90·4	90·3	90·7	91·0	90·0	89·2	88·9	88·8	88·6	88·4	88·3	88·1	87·1
23	88·1	88·3	88·1	88·4	88·8	88·5	88·0	88·1	88·9	89·2	89·1	89·0	89·2	89·4	89·4	89·3	89·1	89·0	89·0	88·9	89·0	89·2	89·3	89·2	88·8
24	89·1	88·9	88·5	89·0	88·8	88·6	88·4	89·3	89·9	90·1	90·0	90·1	91·0	91·0	90·8	91·0	90·8	90·0	89·7	89·7	89·5	89·4	89·1	88·7	89·7
25	88·4	88·5	88·0	88·3	88·4	88·1	88·0	87·9	88·4	89·3	89·4	90·7	89·9	89·8	90·0	89·7	88·9	88·5	87·7	87·4	87·1	87·0	87·0	87·0	88·5
26	86·6	86·4	86·5	86·4	86·0	86·1	86·1	86·8	87·1	86·3	88·0	88·4	88·4	88·8	88·4	88·8	87·9	87·0	85·5	85·1	84·8	84·0	83·9	83·0	86·6
27	83·0	82·4	82·7	80·9	81·0	80·5	81·0	85·5	86·0	86·0	86·2	86·4	86·4	86·0	85·9	86·1	86·3	86·2	86·2	86·0	86·0	86·0	85·4	84·2	84·7
28	83·7	82·4	82·2	81·9	81·0	81·8	82·4	81·2	83·9	85·0	86·0	86·8	87·1	87·3	87·5	87·0	86·5	85·9	85·4	84·4	83·9	84·1	84·1	83·6	84·4
29	82·9	83·2	83·5	83·5	83·9	83·6	84·3	84·7	86·0	87·0	87·5	87·4	87·9	88·0	88·2	88·1	87·5	86·8	85·9	85·6	85·4	83·4	84·7	83·9	85·5
30	84·9	84·4	84·4	83·9	83·7	83·8	84·3	84·1	85·8	86·5	87·1	87·3	87·5	87·9	87·9	87·5	87·1	86·8	86·3	86·1	85·8	86·0	86·0	86·0	85·8
Mean	86·8	86·6	86·6	86·4	86·3	86·2	86·5	86·9	87·7	88·3	88·8	89·2	89·3	89·5	89·4	89·3	89·0	88·6	88·1	87·8	87·5	87·2	87·1	86·8	87·8

367 **VALENTIA OBSERVATORY:** North Wall Screen: h_t = 1·3 metres **OCTOBER, 1936**

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	85·7	86·0	86·1	86·0	86·0	86·2	86·2	86·0	86·9	87·2	87·9	88·1	88·4	88·4	88·5	88·0	87·5	87·4	87·3	87·4	87·5	87·7	87·8	87·8	87·1
2	87·8	87·9	87·9	88·0	88·0	88·0	88·0	88·0	88·2	88·4	88·9	88·7	88·8	88·9	88·8	88·7	88·6	88·6	88·5	88·6	88·7	88·9	88·9	89·0	88·4
3	89·0	88·4	88·5	88·6	88·4	88·3	88·5	88·4	88·6	88·9	88·8	88·9	89·0	88·9	88·8	88·7	88·4	88·5	88·6	88·8	88·5	88·5	88·5	88·4	88·6
4	88·5	88·7	88·8	88·8	88·8	88·0	88·0	87·9	87·1	87·6	87·6	87·5	87·1	87·2	87·9	87·4	87·3	87·5	88·0	87·9	88·0	88·0	87·9	87·8	87·9
5	87·8	87·7	87·3	87·1	87·0	86·9	86·9	86·5	87·6	87·5	88·5	88·9	88·5	89·0	88·2	88·3	88·1	87·4	86·5	86·0	85·9	85·5	84·9	85·1	87·3
6	84·9	84·7	84·5	83·6	84·0	83·6	83·1	83·9	84·0	84·5	86·1	86·3	86·2	85·6	86·1	86·1	85·2	84·6	84·4	83·3	83·7	84·0	84·0	83·0	84·6
7	82·3	83·5	83·9	83·3	82·9	81·8	81·7	82·5	84·0	85·5	86·0	86·7	86·1	86·7	86·1	85·7	85·5	84·5	84·4	84·4	83·9	84·4	84·6	84·3	84·3
8	84·5	84·7	84·9	84·5	84·8	84·1	82·4	83·2	83·4	84·3	85·0	86·2	85·9	85·6	85·5	85·8	85·5	85·3	84·9	84·1	84·3	83·2	83·0	82·9	84·5
9	82·3	83·0	82·9	82·2	82·0	81·9	81·0	81·6	82·5	83·0	84·5	84·5	84·2	84·7	85·3	84·5	84·4	83·0	83·0	82·6	81·8	81·4	81·4	81·4	82·9
10	80·8	81·0	80·0	80·9	81·7	82·6	83·0	83·1	82·4	83·1	84·2	85·1	85·1	84·9	85·0	84·8	84·0	83·9	83·0	82·9	82·2	80·9	79·9	77·9	82·7
11	77·8	78·5	78·0	77·0	76·9	76·0	75·7	76·8	79·9	82·4	84·1	85·1	85·5	86·3	86·5	86·0	85·9	84·9	84·2	83·1	83·5	82·9	83·1	82·0	81·7
12	81·2	80·0	80·0	79·1	78·5	78·2	80·0	80·5	81·9	83·0	84·1	86·0	86·4	86·9	86·6	86·4	86·3	85·5	85·5	84·7	84·2	83·8	83·9	84·4	83·2
13	85·0	85·9	86·0	86·2	86·1	86·2	86·5	86·9	87·0	87·1	87·5	87·8	87·5	87·7	87·6	87·4	87·0	87·0	86·1	85·6	85·8	86·2	86·0	85·8	86·5
14	86·5	86·9	86·7	86·4	86·6	86·9	87·0	87·1	87·3	87·5	87·5	87·8	87·9	87·9	87·9	87·9	87·9	88·0	87·9	87·9	87·8	87·8	87·8	87·5	87·4
15	87·4	87·4	87·7	87·7	87·7	87·8	87·7	87·5	87·7	88·0	88·2	88·0	88·0	88·4	88·3	88·0	87·2	87·0	86·9	86·6	86·3	86·5	86·9	86·5	87·5
16	86·1	86·4	86·5	86·1	85·6	86·0	86·0	86·5	87·0	87·8	88·2	88·8	89·2	88·6	89·0	88·2	87·7	87·2	87·4	87·6	87·6	87·9	87·8	87·8	87·3
17	87·9	87·9	88·0	87·9	88·0	88·0	88·0	88·1	88·4	88·2	88·2	87·6	87·2	87·6	87·2	87·2	87·2	87·0	86·0	86·0	85·9	85·5	85·4	85·2	87·3
18	85·0	85·1	85·4	85·0	84·9	84·7	84·9	85·0	85·0	85·6	85·9	86·0	86·4	86·4	86·0	85·6	85·8	85·0	85·7	86·2	85·9	86·2	86·3	86·4	85·6
19	86·6	86·7	86·4	86·9	86·8	86·1	86·2	85·8	85·6	85·7	85·9	85·9	85·9	86·0	86·0	85·6	85·1	85·0	85·0	84·6	84·8	84·6	84·8	84·7	85·7
20	84·9	84·2	84·8	84·9	84·9	85·0	85·1	85·1	85·3	85·5	84·9	86·2	85·6	86·0	85·9	85·4	84·5	84·7	85·0	85·1	84·8	85·5	85·4	85·1	85·1
21	85·0	84·3	83·7	83·5	83·8	84·0	84·8	85·1	84·9	85·4	86·6	87·4	87·8	88·1	88·0	88·0	87·4	86·6	86·2	86·0	86·3	86·8	86·7	86·8	85·9
22	86·4	86·2	86·1	85·9	85·8	85·6	85·7	85·6	85·9	86·0	86·5	87·0	87·0	87·0	86·8	86·9	86·5	86·8	87·0	86·6	86·9	87·0	87·1	86·9	86·5
23	85·4	84·8	84·0	84·0	83·8	85·0	84·3	85·0	85·1	85·2	86·0	86·1	86·1	86·1	86·1	85·8	85·4	85·2	85·0	84·0	84·9	84·0	83·0	83·0	85·0
24	83·0	83·0	84·0	83·2	84·0	84·2	84·5	85·0	85·5	86·1	86·4	86·8	87·0	87·3	87·0	87·0	87·0	87·0	87·1	87·0	87·0	86·4	85·8	85·4	85·6
25	84·0	83·5	83·7	83·3	84·0	82·6	82·9	82·0	82·9	82·0	82·2	81·4	83·5	82·5	83·6	83·7	83·8	82·8	84·1	84·4	84·0	83·9	83·0	82·6	83·2
26	83·0	84·0	86·6	87·0	87·0	87·0	87·3	87·4	87·4	87·8	87·8	88·0	88·1	87·9	87·4	87·0	86·4	85·9	85·0	85·0	84·9	84·5	83·8	83·4	86·2
27	83·8	83·0	83·2	83·0	83·0	83·9	84·0	84·1	84·0	84·1	84·0	84·5	84·0	84·1	84·3	84·1	84·0	82·2	82·4	82·7	82·1	82·9	83·1	83·1	83·5
28	83·2	82·9	83·0	83·1	83·4	83·4	83·5	83·1	83·2	83·9	84·9	85·1	85·0	85·4	85·1	84·8	84·5	84·9	85·2	85·9	86·0	86·2	86·7	86·9	84·5
29	86·9	86·9	87·0	87·0	87·0	87·0	87·0	86·9	87·0	87·4	87·6	87·8	88·0	88·0	87·9	87·4	87·4	87·4	87·8	87·9	87·9	87·9	88·0	88·0	87·4
30	87·9	87·9	88·0	87·6	87·7	87·8	87·9	87·3	86·3	86·2	86·5	86·2	86·0	86·0	85·6	85·5	83·4	83·5	82·9	82·4	82·8	83·0	83·0	83·0	85·7
31	82·9	82·9	82·7	82·4	82·3	82·3	81·9	81·7	83·0	83·2	83·4	84·1	84·5	84·4	84·4	83·8	83·4	83·4	83·0	83·2	81·9	81·2	81·0	81·0	82·9
Mean	85·0	85·0	85·0	84·8	84·9	84·8	84·8	85·0	85·3	85·7	86·3	86·6	86·6	86·7	86·7	86·4	86·1	85·7	85·6	85·4	85·3	85·3	85·1	84·9	85·6
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE
Readings in degrees absolute at exact hours, Greenwich Mean Time

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Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	82·4	81·5	82·0	82·5	82·9	83·5	84·1	84·1	84·9	84·5	85·3	85·4	85·8	86·2	86·5	86·5	86·6	87·0	86·8	86·0	85·2	85·0	84·9	85·0	84·7
2	84·9	84·8	84·9	84·7	84·6	84·5	84·4	84·4	85·0	85·0	85·3	86·0	86·7	86·9	86·4	86·1	86·1	86·1	86·5	86·7	86·7	86·5	85·0	84·4	85·5
3	84·0	84·0	84·2	84·0	83·9	84·0	84·0	83·1	83·6	84·5	84·6	84·9	85·0	85·0	85·1	84·6	83·8	83·7	84·4	83·5	83·4	83·0	82·9	82·9	84·0
4	83·0	83·8	84·0	83·5	83·3	83·1	83·0	82·5	83·0	83·6	83·4	83·0	83·4	84·4	84·3	84·0	83·0	83·2	82·2	81·8	81·0	81·8	82·6	80·9	83·0
5	81·5	81·8	83·0	82·2	83·0	83·6	81·9	83·5	83·2	84·1	84·0	84·7	84·3	84·7	84·3	83·9	82·4	82·1	81·0	82·0	82·1	82·2	83·0	82·9	82·9
6	82·9	82·8	82·9	82·5	83·0	82·8	81·4	81·2	81·5	81·3	82·8	83·0	82·8	81·4	81·0	81·2	80·7	82·0	81·2	82·0	81·0	80·2	82·2	82·0	81·9
7	82·0	81·2	83·0	83·0	83·0	83·1	83·8	83·8	83·	83·4	83·1	82·4	81·9	81·6	83·0	81·5	82·9	82·4	81·8	82·9	83·0	83·0	83·0	82·0	82·7
8	82·4	82·3	82·0	81·4	81·0	81·0	81·2	82·0	82·3	82·2	82·4	81·5	81·7	81·4	81·5	82·5	82·8	83·4	83·3	83·3	83·4	83·8	83·4	83·7	82·3
9	83·8	83·8	83·1	83·5	83·5	82·6	83·2	83·6	83·2	83·4	83·3	83·8	84·0	82·3	82·7	82·6	82·9	82·1	82·4	82·0	82·0	81·8	81·2	81·5	82·9
10	81·5	81·6	81·6	81·1	81·2	81·0	80·5	80·1	80·0	80·4	80·8	81·0	80·9	80·5	81·4	81·5	81·3	81·0	81·0	79·9	79·0	78·8	80·4	81·1	80·7
11	81·1	81·9	81·9	82·1	82·0	82·6	83·4	83·5	83·8	85·5	85·3	85·3	85·6	85·2	83·8	84·0	83·7	83·2	82·4	83·0	83·0	83·2	83·4	82·9	83·4
12	82·2	81·9	81·8	81·5	81·8	82·0	82·3	82·5	82·3	83·0	83·4	83·9	84·0	84·1	83·9	83·4	83·0	82·5	83·0	82·9	82·4	82·4	82·3	81·6	82·7
13	80·9	80·4	79·1	78·0	77·8	78·6	78·7	78·6	79·4	81·5	82·1	82·9	83·1	82·7	83·8	84·1	83·7	83·6	83·0	83·0	82·5	82·4	82·1	82·9	81·4
14	83·0	83·9	83·4	82·9	83·4	83·4	83·1	82·9	82·8	83·0	82·4	83·0	83·5	83·6	83·8	83·1	83·4	83·3	82·8	82·6	82·0	82·8	83·0	83·0	83·1
15	83·0	83·5	83·9	84·2	83·9	84·1	84·3	84·8	84·8	85·0	85·1	85·0	84·9	85·0	85·2	85·0	84·6	84·0	83·9	83·8	83·9	83·9	84·0	84·0	84·3
16	84·0	83·7	83·4	83·1	83·5	84·8	85·5	85·5	85·9	86·0	85·9	86·0	86·1	86·1	86·1	86·1	86·1	86·1	86·1	86·1	85·9	85·8	85·9	85·8	85·4
17	85·5	85·4	85·2	85·2	85·2	85·0	84·4	84·8	85·0	85·0	85·3	85·3	85·4	85·3	85·0	84·9	84·0	82·9	81·9	81·8	80·9	81·0	81·0	80·9	84·1
18	80·5	80·1	79·2	78·9	78·5	78·0	78·6	78·3	78·0	79·9	81·0	81·2	82·0	82·1	82·1	81·6	80·8	80·0	78·8	78·1	78·0	77·0	76·2	76·2	79·5
19	75·6	75·8	75·6	75·4	75·5	75·3	75·4	76·4	77·6	78·4	79·7	80·8	81·1	81·9	82·0	82·0	81·7	81·4	80·5	79·8	79·0	77·4	76·6	76·0	78·4
20	76·7	75·4	75·1	75·0	74·7	75·3	74·7	74·8	74·0	75·0	77·1	79·4	80·0	81·1	81·4	80·9	80·0	79·6	78·0	77·1	77·0	76·8	76·8	75·4	77·1
21	75·5	76·3	74·4	74·1	74·0	73·5	74·1	73·8	73·4	74·0	76·5	78·2	80·1	81·1	81·4	80·9	79·0	78·1	77·4	77·8	79·4	79·6	80·1	80·0	77·1
22	80·6	80·9	80·5	80·4	80·3	80·1	80·7	81·0	81·0	81·1	81·4	81·7	81·9	81·9	81·8	81·7	81·5	81·7	81·2	81·1	81·8	81·4	81·9	81·9	81·2
23	81·5	82·0	82·1	82·3	82·7	82·7	82·9	82·7	82·9	83·0	83·6	83·7	83·8	83·5	83·4	83·0	82·1	82·1	82·0	82·0	81·3	81·2	81·0	80·9	82·5
24	80·0	80·0	80·1	79·9	79·0	78·3	77·4	79·1	79·0	80·0	81·1	81·9	82·9	82·7	83·0	82·4	82·2	82·0	81·9	81·8	82·3	82·0	81·1	79·3	80·8
25	78·9	78·0	78·3	78·0	78·4	79·0	81·3	81·4	81·9	82·0	82·4	82·5	82·9	83·2	83·0	83·0	82·1	81·9	82·0	81·1	80·4	81·0	80·6	81·0	81·0
26	80·4	80·0	79·9	79·9	80·7	80·4	80·7	80·3	80·2	80·7	81·2	82·0	82·3	82·4	82·2	82·0	79·9	78·9	78·6	76·9	76·9	76·1	75·1	76·0	79·8
27	76·1	75·7	75·3	74·0	75·3	74·1	73·9	73·6	74·9	76·1	77·1	79·1	79·9	80·4	80·5	80·0	81·0	81·5	81·1	81·4	81·7	81·4	81·2	81·0	78·1
28	81·0	80·9	80·9	80·5	80·3	80·2	80·0	79·3	79·8	80·7	81·3	81·0	81·4	81·4	81·5	81·1	79·8	79·0	79·0	78·2	78·5	79·0	80·0	80·3	80·2
29	81·0	81·5	81·8	82·1	82·6	83·0	83·3	83·3	83·4	83·9	84·0	84·2	84·3	84·4	84·2	84·4	84·4	84·0	84·0	83·9	83·9	83·6	83·5	83·6	83·4
30	83·7	83·9	83·7	83·8	83·9	84·0	84·0	84·1	84·1	84·4	84·5	84·4	84·2	84·0	83·7	83·6	83·4	83·1	83·1	83·0	83·1	83·0	83·0	83·1	83·7
Mean	81·3	81·3	81·2	81·0	81·1	81·1	81·2	81·3	81·5	82·0	82·5	82·9	83·2	83·2	83·3	83·1	82·6	82·4	82·0	81·9	81·7	81·6	81·6	81·4	81·9

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Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	82·9	82·9	82·7	82·8	82·9	83·0	83·0	82·8	82·9	82·9	83·0	83·0	83·0	83·0	82·3	82·6	82·9	83·1	83·2	83·4	83·5	83·4	84·0	84·1	83·0
2	84·2	84·4	84·4	84·6	84·9	85·0	85·0	85·0	85·0	85·0	85·0	84·9	84·9	84·8	84·5	84·3	84·3	83·8	84·1	83·6	83·9	83·8	83·6	83·9	84·5
3	84·0	84·0	84·0	84·0	84·1	84·0	84·0	84·0	84·0	84·0	84·0	84·1	84·8	85·0	84·7	84·2	84·4	84·6	85·0	84·8	83·9	83·9	83·6	83·3	84·2
4	82·6	83·0	83·0	82·4	81·8	82·1	81·6	81·4	81·2	81·0	82·0	82·3	82·5	82·5	81·9	82·0	81·9	82·4	82·2	82·5	82·1	82·3	81·9	81·6	82·1
5	82·2	79·9	79·8	80·2	80·8	80·2	80·1	78·7	79·0	78·8	78·8	79·7	80·0	79·9	80·0	79·6	79·5	80·0	78·9	80·2	80·0	79·9	79·8	79·3	79·9
6	80·2	80·0	80·0	79·8	79·8	79·0	79·7	78·3	79·6	79·5	79·9	79·7	79·9	79·6	80·1	80·3	80·1	80·0	80·0	80·1	79·7	79·8	79·9	78·7	79·7
7	78·5	78·0	79·5	80·6	82·4	82·9	83·1	83·5	83·9	84·0	84·1	84·1	84·1	84·1	84·2	84·1	83·9	83·3	83·2	83·3	83·3	83·3	83·1	83·5	82·7
8	83·8	83·9	83·9	83·9	84·0	84·0	83·9	83·9	83·8	84·0	83·9	83·8	83·4	83·4	82·9	82·5	82·2	82·0	82·1	82·0	81·2	80·9	79·7	79·2	82·9
9	78·7	77·4	76·0	76·9	75·2	75·6	75·9	75·8	75·2	75·7	77·7	79·1	80·0	81·3	80·9	81·2	81·3	81·3	81·7	81·6	81·8	81·9	81·9	81·9	78·9
10	82·0	82·0	82·1	82·1	82·0	82·0	82·1	82·2	82·2	82·3	82·5	82·6	82·7	82·9	82·7	82·4	82·4	82·7	83·1	83·0	83·0	83·1	82·9	83·0	82·5
11	83·0	83·0	83·1	83·1	83·0	83·2	81·9	81·1	80·6	80·7	81·0	81·0	81·0	81·0	80·2	80·1	80·0	79·9	79·0	79·0	79·3	78·9	79·0	79·0	81·0
12	77·9	77·2	77·0	78·6	77·7	78·6	79·5	78·7	77·6	77·8	77·4	78·5	78·5	80·3	80·0	80·8	81·0	80·0	79·2	79·9	80·0	79·1	78·0	77·9	78·8
13	77·3	78·3	78·5	79·4	79·0	79·9	80·8	81·2	81·1	81·3	81·4	81·8	82·2	82·5	83·0	83·6	83·9	83·4	83·4	83·4	83·5	83·5	83·2	82·8	81·5
14	82·9	82·3	82·3	82·1	81·7	81·7	81·4	81·1	81·3	80·8	80·2	80·2	79·5	78·9	79·3	80·1	79·6	79·9	78·7	79·6	80·0	80·0	80·2	78·7	80·6
15	78·1	78·9	78·5	78·5	79·3	80·1	79·5	79·3	79·7	80·2	80·7	81·3	81·1	81·7	81·5	81·2	81·5	81·9	82·6	83·4	82·6	82·3	82·2	82·0	80·7
16	81·2	81·0	81·4	81·8	80·5	80·8	81·2	80·4	80·3	80·9	80·5	80·7	81·4	82·0	80·9	81·6	81·1	80·9	80·9	80·4	80·0	80·0	81·0	81·1	80·9
17	81·5	82·0	82·2	82·1	82·5	83·2	84·5	84·9	85·0	85·0	84·1	84·4	84·4	84·4	84·7	84·3	84·1	84·0	84·0	83·8	83·5	83·6	83·6	83·7	83·7
18	83·9	83·4	82·7	82·9	83·1	82·9	82·9	82·7	82·2	82·0	82·2	82·4	82·2	81·9	81·7	81·1	80·1	79·5	80·0	79·8	81·0	80·9	81·1	80·9	81·9
19	81·1	80·6	80·9	81·0	81·0	81·1	81·5	82·2	82·5	82·9	83·4	83·8	84·0	84·0	84·0	84·0	84·0	84·0	84·0	84·0	84·0	84·1	84·1	84·2	82·9
20	84·1	84·0	84·0	84·1	84·0	84·0	84·0	84·1	84·3	84·4	84·5	84·5	84·0	83·9	83·7	84·0	83·8	83·9	84·0	84·2	84·3	84·0	84·0	83·4	84·1
21	83·1	83·0	83·0	83·0	82·9	83·0	84·0	84·0	83·9	84·0	84·3	84·6	84·8	84·7	83·7	81·9	81·0	80·3	80·3	79·9	79·9	79·4	79·0	79·0	82·5
22	79·4	79·0	79·2	79·0	78·8	78·5	78·1	78·1	78·1	78·8	80·4	81·2	81·7	81·8	81·3	81·0	81·0	80·9	81·0	80·7	79·2	79·4	78·4	78·0	79·7
23	76·6	76·0	75·5	76·0	75·0	74·7	75·0	74·8	75·0	75·4	76·9	78·1	79·1	80·2	80·4	80·6	79·7	79·9	79·4	79·0	79·0	79·1	79·7	79·1	77·7
24	78·3	78·1	77·0	78·5	77·2	77·9	78·0	78·0	79·2	79·0	79·2	80·1	80·9	80·7	80·5	80·1	79·1	78·0	76·5	76·0	76·8	77·5	77·8	77·4	78·4
25	78·1	78·3	77·0	77·0	76·7	76·8	77·1	76·1	75·9	76·1	77·0	78·4	78·6	79·0	79·7	80·1	80·0	80·0	80·0	80·6	80·7	80·9	81·1	81·2	78·5
26	81·2	81·2	81·1	81·1	81·0	80·9	80·6	80·4	80·1	80·8	81·0	81·1	81·0	81·0	81·0	80·9	80·5	80·1	80·1	80·3	80·9	80·9	81·0	80·4	80·8
27	80·4	81·0	81·0	81·0	81·0	81·0	81·1	81·1	81·2	81·1	81·3	81·7	81·9	82·0	82·2	82·4	82·5	82·5	82·1	82·4	82·3	82·3	82·4	82·4	81·6
28	82·2	82·3	82·1	82·1	82·1	81·9	81·8	81·4	81·6	81·3	81·5	81·5	82·4	83·0	82·8	82·8	83·0	83·2	83·3	83·4	83·4	83·3	83·2	83·3	82·4
29	82·9	83·1	83·4	82·8	81·9	81·9	81·5	81·3	81·0	81·0	81·0	81·5	80·9	80·5	81·0	80·4	81·0	79·4	79·9	79·4	80·1	81·0	82·0	82·1	81·3
30	82·3	82·7	82·9	83·0	83·2	83·3	83·1	83·5	83·7	83·6	84·0	84·1	84·1	84·3	84·5	84·5	84·6	84·8	84·9	85·0	85·0	85·0	85·0	85·0	83·9
31	85·0	84·9	84·9	83·9	83·8	83·4	83·7	83·8	84·1	84·0	84·0	84·1	84·0	84·1	84·1	83·9	83·4	83·7	83·5	81·9	81·6	82·1	82·0	81·2	83·6
Mean	81·3	81·2	81·1	81·2	81·1	81·2	81·3	81·1	81·1	81·2	81·5	81·9	82·0	82·2	82·1	82·0	81·9	81·7	81·6	81·6	81·6	81·6	81·6	81·3	81·5
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE.- The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES
From readings in degrees absolute at exact hours, Greenwich Mean Time

370 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — 1936

1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
83·05	82·95	82·89	82·79	82·76	82·82	83·07	83·42	83·83	84·31	84·75	85·11	85·34	85·42	85·40	85·29	85·03	84·71	84·36	84·01	83·73	83·52	83·36	83·18	83·96

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

371 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	279·43	-0·30	-0·38	-0·33	-0·35	-0·40	-0·45	-0·53	-0·55	-0·37	-0·17	+0·21	+0·49	+0·74	+0·61	+0·65	+0·54	+0·40	+0·32	+0·16	+0·06	-0·09	-0·19	-0·13	-0·11
Feb.	280·16	-0·35	-0·31	-0·51	-0·72	-0·75	-0·71	-0·74	-0·73	-0·70	-0·29	+0·28	+0·58	+0·87	+0·91	+1·05	+0·96	+0·69	+0·53	+0·26	+0·09	+0·05	-0·05	-0·14	-0·28
Mar.	281·41	-0·73	-0·79	-1·12	-1·15	-1·22	-1·26	-1·31	-1·18	-0·59	+0·13	+0·78	+1·25	+1·53	+1·67	+1·62	+1·49	+1·19	+0·79	+0·35	+0·13	-0·15	-0·36	-0·49	-0·57
Apr.	281·44	-1·31	-1·58	-1·49	-1·65	-1·86	-1·88	-1·65	-0·72	-0·11	+0·74	+1·24	+1·66	+2·04	+2·11	+2·08	+1·99	+1·72	+1·27	+0·76	-0·08	-0·45	-0·71	-0·99	-1·21
May	284·49	-1·66	-1·89	-1·95	-2·17	-2·26	-1·86	-1·00	-0·17	+0·39	+0·83	+1·25	+1·56	+1·96	+2·04	+2·13	+2·15	+1·99	+1·53	+0·91	+0·23	-0·42	-0·85	-1·28	-1·45
June	286·90	-1·71	-1·79	-1·86	-2·00	-1·96	-1·59	-0·75	+0·06	+0·70	+1·03	+1·27	+1·59	+1·77	+1·76	+1·77	+1·64	+1·59	+1·20	+0·82	+0·22	-0·38	-0·74	-1·17	-1·47
July	287·96	-1·21	-1·33	-1·30	-1·30	-1·19	-1·11	-0·69	-0·33	+0·09	+0·54	+0·98	+1·28	+1·45	+1·49	+1·51	+1·55	+1·29	+0·86	+0·47	+0·05	-0·42	-0·72	-0·89	-1·09
Aug.	288·32	-1·16	-1·28	-1·30	-1·35	-1·38	-1·35	-0·95	-0·37	+0·19	+0·73	+1·19	+1·41	+1·68	+1·72	+1·73	+1·49	+1·06	+0·75	+0·35	-0·17	-0·48	-0·68	-0·86	-0·97
Sept.	287·76	-1·02	-1·19	-1·19	-1·42	-1·44	-1·56	-1·31	-0·89	-0·07	+0·58	+1·01	+1·47	+1·60	+1·79	+1·67	+1·61	+1·27	+0·83	+0·38	+0·05	-0·19	-0·47	-0·60	-0·93
Oct.	285·56	-0·68	-0·65	-0·57	-0·77	-0·72	-0·79	-0·76	-0·68	-0·25	+0·17	+0·69	+1·04	+1·09	+1·18	+1·15	+0·91	+0·55	+0·22	+0·10	-0·07	-0·15	-0·22	-0·33	-0·54
Nov.	281·93	-0·58	-0·61	-0·69	-0·92	-0·81	-0·79	-0·71	-0·62	-0·43	+0·09	+0·59	+0·98	+1·26	+1·28	+1·33	+1·11	+0·68	+0·45	+0·09	-0·10	-0·27	-0·39	-0·38	-0·56
Dec.	281·52	-0·27	-0·39	-0·47	-0·30	-0·46	-0·35	-0·25	-0·44	-0·39	-0·29	-0·01	+0·36	+0·52	+0·69	+0·57	+0·51	+0·36	+0·22	+0·12	+0·14	+0·10	+0·11	+0·07	-0·15
Year	283·96	-0·91	-1·02	-1·07	-1·17	-1·20	-1·14	-0·89	-0·55	-0·13	+0·34	+0·79	+1·15	+1·38	+1·46	+1·44	+1·33	+1·07	+0·75	+0·40	+0·05	-0·24	-0·44	-0·60	-0·78

† See page 23

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY
Maximum and minimum for the interval 0h. to 24h., Greenwich Mean Time

372 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·2	77·4	81·4	77·0	79·3	75·0	84·4	82·0	87·1	79·2	84·4	81·0	89·1	86·5	90·2	86·8	92·0	88·8	89·0	85·4	87·0	80·9	84·1	82·0
2	79·2	74·8	80·5	76·3	79·6	75·9	85·8	80·0	87·1	77·7	85·3	81·4	89·6	86·5	89·3	87·1	91·1	89·3	89·0	87·8	87·0	84·3	85·0	83·6
3	80·3	76·4	78·8	74·5	80·1	78·4	84·8	80·7	87·2	82·5	85·0	81·2	90·7	87·3	89·4	86·5	90·6	87·0	89·0	88·2	85·2	82·7	85·2	83·1
4	82·1	78·2	82·4	78·4	82·7	78·5	81·4	77·8	87·1	81·9	85·2	79·6	92·4	87·1	89·2	86·5	90·3	87·9	88·9	86·9	84·9	80·9	83·3	80·6
5	80·8	78·0	84·4	82·3	82·0	80·0	84·1	78·0	85·0	81·4	86·9	76·0	91·7	87·2	90·1	86·8	89·2	86·5	89·0	84·8	84·9	80·7	82·3	78·0
6	81·5	79·9	84·6	83·5	82·9	79·6	83·3	76·0	85·2	80·0	87·0	84·9	90·9	87·0	89·3	86·0	90·4	86·9	86·5	83·0	83·1	80·0	80·3	78·2
7	81·9	77·4	84·0	81·1	82·4	79·2	83·7	79·2	84·5	80·6	87·3	85·0	90·7	84·7	90·3	82·8	89·1	86·0	86·7	81·5	84·0	81·1	84·2	77·8
8	83·8	80·3	81·1	77·7	81·8	79·0	84·6	81·0	87·2	81·5	87·1	84·9	91·9	83·6	91·0	87·4	90·0	86·4	86·3	82·0	83·9	79·9	84·2	79·2
9	84·8	81·5	82·1	77·5	80·8	77·8	86·2	80·0	88·6	82·0	87·9	85·0	90·2	85·1	89·9	85·9	90·1	88·1	85·5	80·6	84·1	81·0	82·0	75·0
10	83·4	80·5	82·1	76·9	80·0	76·8	86·0	79·1	87·4	79·0	88·8	83·3	89·7	85·0	90·5	85·1	90·9	88·1	85·3	77·9	81·7	78·5	83·3	81·9
11	80·8	77·0	83·1	79·8	81·2	76·3	85·4	75·4	88·2	83·0	87·4	83·1	89·7	86·0	88·4	85·9	90·4	87·0	86·5	75·6	86·1	81·0	83·3	78·4
12	79·1	76·1	83·0	80·6	82·7	74·6	82·1	77·1	86·0	80·4	87·0	81·8	90·1	86·3	90·0	(86·2)	90·7	86·9	86·9	78·0	84·3	81·3	81·0	76·8
13	82·0	77·7	83·2	77·1	82·9	76·5	80·7	75·2	86·5	80·5	88·8	78·0	90·5	86·1	89·4	87·5	89·8	86·3	87·8	84·2	84·1	77·7	84·0	76·9
14	81·0	79·8	82·9	79·9	84·2	80·0	82·1	75·5	86·9	78·6	87·8	85·1	90·3	86·0	91·4	87·7	88·8	85·6	88·0	85·8	84·0	81·4	82·9	78·3
15	81·2	78·0	83·2	78·2	84·6	79·5	81·3	76·5	86·9	80·5	88·0	84·9	90·2	85·4	90·9	84·1	89·4	81·5	88·4	86·3	85·4	82·9	83·4	78·0
16	78·5	73·5	82·9	80·4	84·1	74·5	81·3	76·0	87·0	80·0	87·1	82·0	91·7	86·4	91·1	84·3	89·6	79·9	89·5	85·3	86·2	83·0	82·0	78·9
17	80·9	73·5	84·9	80·1	84·0	74·2	82·0	75·9	88·1	80·8	89·1	81·4	91·0	86·3	91·0	87·6	91·1	81·0	88·2	85·1	85·9	80·2	85·2	81·1
18	80·9	77·2	81·7	78·4	84·1	77·2	84·0	73·3	89·2	80·4	91·9	85·1	90·0	86·7	90·0	85·0	88·4	84·0	86·7	84·4	82·2	75·8	84·4	78·3
19	80·0	77·3	81·2	76·5	85·3	79·6	84·8	74·0	92·0	85·6	92·3	86·2	90·1	87·0	89·9	86·3	91·5	87·9	87·0	84·4	82·1	74·8	84·2	80·4
20	77·7	74·1	81·8	74·0	85·1	82·8	83·3	78·3	90·5	84·0	93·1	87·0	89·3	86·4	90·6	86·2	90·2	85·5	86·3	84·0	81·4	74·0	84·6	83·4
21	78·8	74·0	81·0	72·9	85·7	83·0	84·4	77·3	89·0	81·0	92·3	86·9	89·9	84·0	90·1	86·6	90·5	87·6	86·1	83·4	81·5	73·2	84·8	79·0
22	79·3	74·0	81·1	74·1	84·6	81·9	82·0	78·2	85·3	80·9	93·0	84·9	89·0	81·5	91·0	84·5	91·1	82·2	87·3	85·4	82·0	79·8	81·9	77·6
23	80·2	74·9	81·1	73·8	85·0	79·4	84·0	79·9	86·0	80·3	92·7	86·0	89·2	86·9	90·6	87·9	89·5	83·0	86·3	83·0	83·9	80·9	81·0	74·2
24	80·5	76·6	81·5	77·6	84·8	80·5	85·0	81·4	86·2	81·3	92·1	85·9	89·6	86·0	91·4	89·0	91·1	88·3	87·3	82·8	83·0	77·5	80·9	76·0
25	80·7	75·9	81·0	76·8	86·9	82·2	86·4	82·2	88·0	81·4	94·8	83·1	89·0	85·1	94·0	87·1	90·7	86·9	85·4	80·2	83·3	77·9	81·2	75·9
26	82·5	78·0	83·0	78·0	84·1	80·3	85·0	81·4	92·4	84·2	94·5	87·0	89·5	84·6	96·2	90·3	89·1	83·0	88·1	82·5	82·5	75·0	81·4	79·9
27	82·9	80·0	81·4	78·0	84·0	80·3	87·3	81·5	89·7	85·5	92·9	86·4	90·9	84·9	94·8	87·4	86·7	80·4	85·0	81·5	81·9	73·2	82·7	80·1
28	81·4	77·0	80·8	78·0	85·0	81·9	85·8	82·4	88·9	83·5	92·0	89·3	88·9	84·0	92·9	84·8	87·6	80·5	85·6	82·7	81·7	78·0	83·4	81·3
29	82·0	76·3	80·5	75·9	85·2	83·1	85·9	81·0	86·0	82·0	92·9	87·0	89·1	85·8	93·5	85·5	88·7	82·9	88·1	86·7	84·5	80·3	83·5	79·2
30	83·2	79·9	-	-	86·2	81·1	86·1	77·8	85·8	81·9	91·4	87·0	89·6	85·2	91·4	88·4	88·1	83·0	88·0	82·4	84·7	82·9	85·1	82·1
31	83·8	80·5	-	-	87·4	83·1	-	-	84·6	79·5	-	-	89·4	87·1	92·5	88·3	-	-	84·9	80·4	-	-	85·0	81·2
Mean	81·2	77·3	82·1	77·8	83·5	79·1	84·1	78·5	87·4	81·3	89·5	84·0	90·1	85·7	91·0	86·5	89·9	85·3	87·2	83·3	83·9	79·4	83·2	79·2

NOTE:- The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees abolute is printed 75·0

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

373 VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	80	77	79	80	78	78	73	73	72	75	78	79	88	86	85	86	90	84	86	86	86	88	89	90	81·7	8·3
2	88	90	86	92	87	92	89	91	91	89	87	92	86	88	84	86	87	90	89	89	87	71	71	65	86·6	7·0
3	67	63	67	64	71	74	77	75	72	75	76	71	72	78	86	90	90	94	93	89	95	91	88	88	78·9	7·1
4	90	90	88	85	87	85	94	92	85	90	85	85	88	89	88	90	91	89	92	92	93	92	92	93	89·3	9·2
5	93	93	90	94	96	88	88	88	87	90	88	88	86	88	88	84	87	87	85	87	89	91	82	83	88·5	8·6
6	83	86	86	79	82	83	86	91	90	86	88	85	83	86	85	85	86	82	83	86	89	85	83	81	85·0	9·0
7	81	78	81	81	82	85	82	83	83	79	79	83	77	76	80	78	79	85	87	92	92	87	89	86	82·6	8·7
8	81	72	75	77	83	86	88	88	91	87	87	86	83	82	86	84	86	83	84	84	87	88	91	87	84·4	10·0
9	87	89	88	86	86	86	84	87	91	84	88	97	94	95	84	83	74	79	79	80	83	79	78	78	85·1	10·4
10	80	81	78	79	80	80	79	80	75	76	76	73	71	68	68	69	72	73	70	68	83	73	68	60	74·5	8·9
11	62	75	59	65	66	60	69	70	73	78	80	80	81	79	76	69	76	65	62	70	73	70	68	72	70·5	6·1
12	72	72	73	70	77	75	72	80	60	52	68	66	64	69	70	75	71	71	76	79	77	75	78	72	71·4	6·0
13	81	82	89	87	90	89	90	94	93	91	86	86	89	87	89	89	83	81	84	83	85	81	79	82	86·0	8·7
14	82	82	79	79	78	77	77	76	74	73	74	72	71	72	70	72	70	73	77	77	79	79	79	77	75·9	7·8
15	78	81	79	82	80	76	74	79	73	72	67	68	70	74	75	74	77	77	80	78	81	80	80	78	76·4	7·5
16	77	80	80	81	82	80	83	87	77	76	74	74	77	70	67	70	73	73	73	74	80	78	76	(80)	76·7	6·2
17	81	83	89	89	85	84	80	87	89	85	89	86	87	83	85	89	77	81	72	82	84	82	80	78	83·7	6·8
18	81	83	77	85	80	86	88	93	90	91	92	86	86	87	85	87	89	87	80	73	77	79	82	84	84·4	7·9
19	82	85	84	88	94	94	93	85	91	93	92	87	74	83	77	75	79	80	80	78	84	84	84	86	84·6	7·6
20	85	88	88	87	85	85	84	84	80	83	85	86	80	80	80	77	77	70	87	82	84	87	87	70	82·9	6·3
21	75	82	73	78	80	81	78	83	75	72	63	70	74	70	85	85	87	84	86	87	92	91	87	86	79·8	6·1
22	94	92	88	82	85	85	84	84	72	73	76	74	73	76	88	72	59	74	71	72	67	70	70	66	77·4	6·3
23	74	77	84	82	81	82	85	85	83	87	87	92	91	94	90	88	90	87	90	88	87	87	90	88	85·7	7·7
24	86	80	80	77	80	77	81	74	74	72	68	76	78	78	85	88	84	84	85	84	84	82	82	82	80·2	7·5
25	80	83	88	84	82	78	78	76	78	79	76	76	81	86	83	84	81	78	80	81	81	74	87	84	80·7	7·5
26	80	75	86	85	88	93	88	85	88	83	85	89	84	86	86	89	93	86	92	93	92	93	92	92	87·5	9·0
27	83	85	76	76	75	77	79	78	77	81	79	77	75	66	71	79	79	77	73	75	79	82	79	84	77·7	8·4
28	87	89	89	91	77	84	72	78	80	81	79	82	79	81	82	83	79	79	84	93	84	87	86	85	82·9	8·2
29	87	84	85	90	92	90	88	87	91	87	86	85	84	87	91	81	83	83	86	83	84	81	87	85	86·1	8·6
30	86	90	73	72	84	89	94	96	88	89	88	89	94	91	91	91	92	92	92	94	94	96	93	93	89·5	10·1
31	92	93	92	93	96	96	95	96	93	88	83	83	77	75	78	79	84	86	87	88	88	89	91	91	88·1	10·3
Mean	81·8	82·6	81·6	81·9	82·9	83·1	83·0	84·0	81·8	81·2	80·9	81·4	80·5	81·0	81·9	81·7	81·5	81·1	82·1	82·8	84·5	83·0	82·8	81·5	82·1	† 7·9
Vapour Pressure*	mb 7·7	mb 7·7	mb 7·7	mb 7·7	mb 7·7	mb 7·8	mb 7·7	mb 7·8	mb 7·7	mb 7·8	mb 7·9	mb 8·1	mb 8·2	mb 8·2	mb 8·3	mb 8·2	mb 8·1	mb 8·0	mb 8·0	mb 8·0	mb 8·1	mb 7·9	mb 7·9	mb 7·8	mb ‡7·9	

374 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — FEBRUARY, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	94	90	90	90	93	90	94	93	93	94	90	89	89	85	89	91	85	87	89	93	93	89	89	87	90·3	8·9
2	83	87	89	85	87	92	93	87	88	86	88	76	72	73	68	73	66	75	74	71	74	71	69	76	79·5	7·2
3	74	57	62	75	69	84	84	82	89	85	83	82	78	72	66	71	72	71	65	67	63	61	59	60	72·5	6·0
4	57	56	57	62	69	65	66	68	71	71	74	72	82	83	88	88	91	91	96	95	93	95	92	92	77·4	8·1
5	89	86	86	86	88	87	87	88	87	88	91	92	94	95	97	95	94	94	94	93	93	93	93	90	90·9	11·3
6	93	93	90	94	92	92	94	92	94	92	92	89	91	89	87	76	73	69	69	75	76	73	74	76	85·1	11·2
7	74	74	78	76	72	70	64	64	65	64	57	56	53	57	57	56	55	54	61	61	62	65	64	64	63·7	7·9
8	60	60	59	58	59	61	61	58	57	69	64	62	60	55	53	57	58	56	58	59	61	61	61	63	59·6	5·8
9	58	58	58	58	56	56	59	62	65	61	61	59	56	57	66	72	75	74	76	78	74	73	74	75	64·8	6·2
10	73	73	73	74	76	77	81	80	79	82	76	78	76	78	78	75	72	72	72	79	74	73	73	76	75·8	7·6
11	82	83	76	85	83	88	87	88	92	92	92	92	91	92	87	88	88	87	84	80	79	80	82	82	85·7	10·1
12	83	83	86	86	86	82	86	85	80	81	79	83	77	82	86	86	84	83	81	81	88	84	86	86	83·4	9·3
13	80	84	83	83	83	80	86	79	85	83	80	83	87	84	83	84	84	84	84	84	86	87	92	89	84·0	9·1
14	86	86	86	86	88	89	90	89	86	87	81	83	72	76	75	80	83	88	85	85	82	84	87	87	84·3	9·1
15	85	86	84	88	87	87	86	91	90	93	87	80	79	79	75	79	84	81	81	78	75	76	78	80	83·0	9·0
16	78	83	84	81	86	83	76	76	77	74	73	70	74	70	74	73	73	76	79	79	78	79	82	85	77·5	8·8
17	76	76	76	79	82	81	86	86	79	86	87	86	84	83	80	76	72	73	76	72	71	71	80	84	79·3	9·0
18	80	83	84	87	84	86	87	81	80	82	83	79	82	85	83	85	81	75	76	73	73	78	78	65	80·8	8·3
19	72	73	75	77	84	88	90	66	74	68	73	74	63	70	61	65	65	65	63	63	70	70	65	71	70·9	6·9
20	67	70	75	74	80	81	80	85	85	84	76	75	69	72	71	73	83	74	83	84	82	86	89	87	78·2	7·0
21	89	85	90	85	87	92	92	91	91	93	95	78	74	70	71	62	67	74	77	84	84	87	90	88	83·1	6·6
22	96	90	91	88	90	90	89	94	88	96	92	87	78	73	76	81	76	84	83	81	85	88	87	85	86·2	7·2
23	83	80	80	81	93	77	76	75	75	72	77	87	74	77	69	69	69	64	62	68	63	65	63	62	73·9	6·6
24	71	62	68	67	63	54	59	63	70	60	65	67	69	77	60	59	62	69	70	69	68	67	71	77	65·8	6·5
25	74	75	77	72	88	77	77	76	74	74	75	63	66	60	61	69	72	77	78	78	85	87	93	94	75·6	7·1
26	93	93	89	83	74	79	79	79	76	89	93	88	88	92	92	88	87	68	63	74	74	82	85	79	83·1	9·0
27	72	72	75	72	79	72	76	82	85	79	78	79	85	84	76	68	74	70	74	79	77	79	73	67	76·4	7·5
28	72	72	69	72	71	64	78	83	84	78	78	76	83	84	70	69	69	66	65	76	71	65	65	63	72·7	6·9
29	63	66	66	66	62	67	66	69	67	75	65	65	65	62	68	78	74	71	72	77	82	77	82	88	70·0	6·6
Mean	77·8	77·1	77·8	78·3	79·7	79·0	80·3	79·7	80·2	80·6	79·5	77·6	76·2	76·4	74·7	75·4	75·5	74·9	75·5	77·1	77·1	77·5	78·5	78·5	77·7	†7·9
Vapour Pressure*	mb 7·7	mb 7·7	mb 7·6	mb 7·6	mb 7·7	mb 7·7	mb 7·8	mb 7·7	mb 7·8	mb 8·0	mb 8·2	mb 8·2	mb 8·2	mb 8·3	mb 8·1	mb 8·1	mb 8·0	mb 7·9	mb 7·8	mb 7·8	mb 7·8	mb 7·8	mb 7·8	mb 7·7	mb ‡7·9	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

375 VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	86	81	83	80	85	76	76	63	72	68	62	61	60	55	56	56	65	58	59	55	54	56	53	52	66·3	5·6
2	52	53	52	50	52	51	58	59	54	57	57	52	56	56	59	56	59	69	72	76	82	81	86	84	61·1	5·3
3	74	76	82	86	82	85	77	85	78	85	74	69	71	67	73	71	74	78	73	76	82	81	85	85	77·9	7·7
4	86	82	84	88	88	91	99	91	87	92	95	95	95	94	91	78	76	73	77	79	72	74	76	72	85·1	8·8
5	73	69	71	83	73	73	81	81	76	79	70	75	67	67	70	66	71	72	72	72	77	77	72	72	73·3	7·8
6	71	73	80	75	80	73	83	84	85	86	86	74	78	76	83	86	88	88	88	91	91	93	95	96	83·0	9·2
7	95	96	93	91	92	91	92	89	93	93	92	92	92	83	81	80	83	76	74	70	72	72	76	79	85·6	9·3
8	76	78	76	79	78	78	76	76	73	72	70	69	71	68	71	69	65	69	63	67	69	70	66	71	71·8	7·2
9	67	73	75	69	69	70	56	78	77	67	62	61	64	59	69	57	56	65	59	60	60	76	76	72	66·5	6·4
10	77	71	71	70	71	73	69	67	66	62	69	67	70	67	70	72	72	75	75	69	74	70	74	72	70·5	6·3
11	74	74	76	80	77	79	77	77	72	67	60	65	62	59	59	59	60	69	79	76	76	79	82	83	71·5	6·6
12	83	85	84	85	85	83	84	85	82	83	73	68	70	67	70	69	71	75	80	81	86	85	84	84	79·2	7·4
13	85	73	72	72	78	78	82	78	78	75	69	68	61	66	66	69	74	79	78	74	70	69	71	71	73·4	7·6
14	71	69	71	67	72	76	75	76	73	73	70	73	71	69	67	70	69	74	79	86	85	83	86	89	74·4	8·4
15	88	89	90	87	88	90	88	90	90	84	62	55	52	55	59	61	58	65	67	73	77	78	84	84	75·7	8·3
16	85	83	84	81	82	82	82	87	85	81	73	62	56	52	64	62	66	72	73	65	73	84	78	85	74·9	7·0
17	78	82	84	85	85	84	89	85	90	89	71	75	73	68	58	74	80	83	83	86	87	86	87	73	80·9	7·5
18	81	79	78	75	68	67	69	52	55	61	61	54	54	53	52	50	49	48	49	50	47	46	45	48	58·5	6·5
19	57	63	65	67	70	72	74	75	76	78	80	82	80	82	78	74	80	83	87	87	85	83	83	85	76·1	9·3
20	87	83	89	92	91	91	89	91	94	94	90	87	85	81	82	81	83	82	80	81	81	79	74	74	85·3	11·0
21	70	71	75	77	85	88	90	89	90	75	71	72	71	71	72	73	74	79	81	83	75	70	79	75	77·3	10·3
22	74	74	71	69	72	79	77	81	76	75	74	75	77	81	79	81	84	88	91	89	89	87	88	89	79·7	10·1
23	92	89	88	89	83	87	84	87	82	79	74	69	68	68	64	64	66	67	77	82	82	79	84	87	78·8	9·5
24	81	76	93	88	85	82	78	73	74	70	63	66	76	81	80	79	79	81	78	78	79	77	74	71	77·9	9·8
25	74	77	76	72	74	74	73	73	69	66	66	68	66	64	65	60	62	64	66	61	72	73	73	73	69·2	9·4
26	78	79	78	75	80	80	87	87	84	76	74	74	75	74	75	74	75	81	87	88	88	91	93	90	80·6	9·5
27	93	91	91	89	89	90	90	90	93	88	87	84	84	86	77	80	84	86	87	91	91	92	92	95	88·2	10·1
28	95	95	96	95	93	92	91	87	81	76	77	81	86	93	93	95	95	91	85	84	83	83	83	84	88·3	11·4
29	85	87	95	97	97	96	94	91	93	93	94	95	93	90	90	86	84	79	81	83	84	81	85	91	89·2	12·2
30	89	88	86	78	80	73	77	81	78	77	76	79	80	87	81	83	83	89	89	88	87	86	86	87	82·9	10·8
31	88	89	86	87	86	86	92	89	88	87	83	82	80	78	82	86	85	88	92	89	92	92	93	91	87·0	12·1
Mean	79·5	79·0	80·5	79·9	80·3	80·3	80·9	80·5	79·5	77·7	73·7	72·5	72·4	71·5	72·1	71·7	73·2	75·7	76·8	77·1	78·1	78·5	79·5	79·5	77·1	†8·5
Vapour Pressure*	mb 8·3	mb 8·2	mb 8·2	mb 8·1	mb 8·1	mb 8·1	mb 8·1	mb 8·2	mb 8·4	mb 8·6	mb 8·5	mb 8·7	mb 8·9	mb 8·8	mb 8·9	mb 8·7	mb 8·8	mb 8·9	mb 8·7	mb 8·6	mb 8·5	mb 8·5	mb 8·5	mb 8·5	mb ‡8·5	

376 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — APRIL, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	91	88	89	89	87	89	89	88	86	85	85	84	84	87	92	88	86	89	94	92	93	92	92	88·8	11·0
2	91	89	89	93	92	88	88	87	86	82	79	78	74	74	73	76	77	77	81	87	90	90	93	90	84·4	10·2
3	75	81	81	81	82	81	82	79	77	73	74	79	76	77	82	83	79	84	83	82	83	82	78	79	79·9	9·8
4	81	80	78	76	78	77	77	75	72	71	68	65	63	60	61	65	65	63	66	67	76	77	79	80	71·6	7·0
5	85	85	84	85	83	82	78	71	70	62	65	63	53	44	47	44	51	58	67	71	76	77	66	74	68·5	7·2
6	76	72	72	77	78	81	80	71	69	64	65	58	57	58	53	62	64	63	63	64	64	70	67	71	67·5	6·6
7	73	74	72	75	75	83	82	74	70	67	69	67	73	71	71	71	70	67	71	79	79	96	100	99	75·6	8·5
8	81	79	80	81	83	83	83	81	69	71	67	70	67	70	71	73	69	71	73	75	75	75	76	74	75·4	9·1
9	76	76	71	73	76	73	77	70	65	64	65	62	58	55	58	60	63	67	71	74	72	71	74	70	68·5	8·5
10	71	71	65	74	75	64	73	66	66	64	63	59	60	56	61	68	71	74	80	83	86	87	87	90	71·0	8·1
11	92	88	91	91	89	93	93	91	90	77	76	73	74	71	71	75	75	77	78	79	83	87	86	87	82·9	8·7
12	86	86	86	88	90	93	91	86	56	44	45	47	49	48	55	55	59	60	64	63	62	57	59	61	66·8	6·8
13	63	63	65	68	69	75	74	63	59	58	55	51	55	55	56	59	67	69	82	80	80	82	80	81	66·6	5·7
14	81	79	81	81	81	79	83	70	68	66	61	59	52	52	55	56	60	66	67	74	74	80	80	82	70·3	6·3
15	82	84	79	78	78	78	80	74	69	59	45	42	44	48	50	51	60	64	68	67	70	72	72	71	66·3	6·2
16	69	78	77	71	76	66	73	65	71	59	55	63	52	57	46	58	56	60	59	64	62	63	59	62	63·6	5·9
17	60	71	67	68	69	77	80	62	69	64	61	50	49	56	55	54	56	58	62	64	71	70	78	81	64·3	6·1
18	82	82	84	84	83	87	80	81	71	69	69	66	64	69	63	65	64	66	73	79	79	81	83	85	75·3	7·2
19	87	87	86	89	88	85	85	85	84	74	73	73	67	67	79	80	80	86	81	84	88	93	93	89	82·5	8·3
20	87	88	89	88	85	87	84	83	85	80	72	69	65	62	58	61	60	65	74	80	79	78	78	75	76·6	8·3
21	79	83	77	78	76	81	85	86	89	90	84	83	76	76	81	75	87	93	92	88	78	77	72	62	81·4	9·0
22	61	62	62	60	62	66	71	66	63	59	51	44	46	44	46	43	49	62	65	77	74	71	65	65	59·7	5·9
23	65	73	73	81	84	88	88	92	91	94	90	87	86	87	92	76	79	74	74	80	76	78	84	77	81·8	9·5
24	78	80	86	84	83	83	91	89	93	93	96	94	89	90	90	89	88	90	89	93	87	85	86	90	87·9	11·3
25	82	83	80	80	83	84	81	85	79	79	78	81	77	78	75	66	73	74	75	78	83	82	75	79	79·0	10·5
26	70	75	74	81	76	80	75	80	74	77	74	68	68	68	64	65	65	65	70	68	69	70	74	80	72·2	9·0
27	87	87	84	88	89	92	88	89	86	88	85	80	78	81	78	80	82	81	82	87	90	90	89	89	85·2	11·5
28	89	90	93	88	88	89	92	87	85	85	83	75	83	77	81	73	75	75	75	79	76	82	84	86	83·0	11·3
29	87	88	87	87	87	87	88	83	75	68	71	62	56	69	73	66	70	66	75	82	86	87	88	88	78·1	9·9
30	90	90	91	92	92	93	87	92	86	79	66	67	56	68	63	58	59	62	65	76	68	77	83	81	76·9	9·1
Mean	79·3	80·5	79·7	81·0	81·3	82·1	82·6	79·1	75·8	72·2	69·7	67·3	65·0	65·7	66·5	66·6	68·7	70·8	73·8	77·3	77·6	79·3	79·3	79·7	75·0	†8·4
Vapour Pressure*	mb 8·1	mb 8·0	mb 8·0	mb 8·0	mb 7·9	mb 8·0	mb 8·2	mb 8·3	mb 8·3	mb 8·4	mb 8·4	mb 8·3	mb 8·3	mb 8·3	mb 8·4	mb 8·4	mb 8·5	mb 8·5	mb 8·6	mb 8·5	mb 8·3	mb 8·3	mb 8·2	mb 8·1	mb ‡8·3	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and the mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

377 VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	87	87	86	87	84	84	86	74	71	70	63	62	61	57	58	59	63	61	70	76	81	82	87	86	74·1	9·0
2	86	86	85	83	87	86	81	74	71	74	71	63	59	60	60	56	66	71	75	80	79	75	78	74	74·4	9·3
3	76	74	74	74	75	72	71	68	65	62	64	64	62	64	62	65	67	66	67	67	70	72	72	72	68·4	9·4
4	72	72	70	71	71	70	70	67	63	65	68	67	67	66	70	73	72	72	73	75	72	68	67	71	69·7	9·8
5	72	73	76	77	81	81	86	85	85	85	86	87	86	84	86	84	87	86	83	91	87	78	79	79	82·5	10·3
6	82	85	82	83	86	85	89	75	73	75	71	63	63	69	62	66	68	66	72	76	76	81	81	83	75·4	8·9
7	85	83	86	86	81	80	80	86	87	87	87	87	85	84	81	83	83	82	84	86	86	86	87	87	84·5	10·3
8	87	87	86	88	89	89	90	82	82	80	86	75	76	77	77	85	87	87	88	88	90	89	89	90	85·1	11·5
9	92	89	92	90	90	89	92	88	85	78	71	73	74	79	78	78	78	80	86	86	86	89	89	91	84·3	12·2
10	90	90	89	88	96	94	95	94	92	90	82	76	68	70	69	74	82	88	91	93	94	93	94	94	86·9	11·6
11	95	95	94	95	94	94	94	94	90	80	74	74	73	74	70	69	74	80	82	86	88	85	84	92	84·6	11·9
12	94	93	88	88	86	87	74	64	62	65	57	60	65	66	58	63	64	65	62	69	78	82	82	86	73·4	9·3
13	85	82	71	87	82	87	83	87	87	81	80	91	93	93	86	77	73	71	72	72	73	78	77	83	81·4	10·4
14	83	87	88	86	87	83	70	68	67	70	73	86	90	93	95	95	96	95	93	93	93	89	89	92	85·7	10·9
15	88	87	86	83	84	81	76	72	73	77	70	66	65	63	62	61	62	63	66	68	69	77	79	82	73·5	9·4
16	83	83	84	82	82	85	86	89	86	89	82	77	76	73	79	72	69	69	72	74	82	84	85	86	80·3	9·9
17	87	88	86	89	87	91	90	80	82	76	73	77	73	75	77	73	75	75	76	83	86	86	88	89	81·7	10·8
18	89	86	87	84	74	74	76	74	71	63	61	51	60	64	64	65	64	66	73	76	75	76	78	77	72·3	10·7
19	77	76	78	79	81	80	79	77	75	73	63	62	63	61	58	57	58	60	64	74	73	79	81	82	71·1	12·9
20	85	78	79	83	75	72	69	68	68	71	71	69	69	71	69	68	69	65	69	76	76	79	87	85	73·7	11·9
21	85	85	86	87	89	88	83	81	74	62	35	38	38	47	49	51	50	60	70	75	83	80	84	84	69·4	10·1
22	87	87	87	86	86	83	77	75	70	73	74	71	75	73	68	59	62	76	74	74	76	81	82	72	76·4	9·6
23	78	79	79	76	75	77	73	66	68	75	75	74	76	67	70	68	67	66	65	67	67	72	72	71	71·8	8·9
24	74	72	76	79	78	73	79	79	75	71	80	77	69	71	72	67	66	63	66	72	74	74	78	79	73·3	9·4
25	78	78	78	78	78	80	83	76	78	80	82	76	72	69	60	62	61	63	56	60	65	67	73	72	72·0	9·9
26	69	72	74	76	75	67	61	60	60	62	60	55	53	70	73	57	57	67	66	72	70	68	64	65	65·7	11·6
27	72	74	77	77	80	78	81	78	72	76	73	69	67	67	68	64	61	63	66	72	75	76	81	78	72·4	11·9
28	80	80	78	77	75	67	67	61	55	51	52	54	57	52	61	59	62	63	67	70	72	81	81	82	66·7	10·2
29	84	80	76	78	83	79	80	74	73	75	89	85	86	90	86	84	84	76	73	71	75	71	68	65	78·9	10·2
30	62	71	86	74	83	73	65	73	68	75	66	65	62	63	64	65	66	72	62	65	65	67	68	65	68·5	8·8
31	67	64	65	73	75	77	72	75	73	66	67	62	64	57	57	55	54	62	62	66	70	81	70	71	66·7	7·7
Mean	81·7	81·4	81·6	82·1	82·2	80·8	79·3	76·3	74·2	73·5	71·2	69·5	69·3	70·0	69·3	68·2	69·3	70·9	72·4	75·9	77·5	78·8	79·8	80·2	75·6	†10·3
Vapour Pressure*	mb 9·9	mb 9·7	mb 9·6	mb 9·6	mb 9·6	mb 9·7	mb 10·1	mb 10·2	mb 10·3	mb 10·5	mb 10·5	mb 10·5	mb 10·7	mb 10·8	mb 10·8	mb 10·6	mb 10·7	mb 10·6	mb 10·4	mb 10·4	mb 10·3	mb 10·1	mb 10·0	mb 9·9	mb ‡10·2	

378 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — JUNE, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	71	72	79	84	86	79	77	83	86	87	76	82	63	65	71	66	66	63	66	67	67	67	62	62	73·0	8·7
2	69	62	64	63	63	68	66	63	61	60	54	55	62	61	59	63	60	63	65	62	65	63	70	67	62·7	7·7
3	66	65	62	66	65	63	59	56	53	52	59	61	58	59	58	56	53	57	58	62	68	66	65	67	60·6	7·4
4	67	64	63	70	73	71	72	60	61	52	69	54	54	55	53	51	47	59	60	64	71	71	77	78	62·9	7·7
5	81	81	84	88	85	83	76	71	68	62	63	64	67	67	67	73	77	77	78	82	88	91	94	94	77·2	9·8
6	94	97	97	96	98	95	95	93	93	91	90	89	89	94	90	88	87	89	90	93	96	95	97	97	93·0	13·6
7	97	98	98	98	97	97	97	96	95	91	90	88	87	87	90	91	89	93	91	93	96	94	95	97	93·5	13·8
8	95	97	98	98	97	95	97	96	96	95	96	98	96	91	92	91	92	97	95	94	94	93	93	95	95·1	14·1
9	97	95	95	97	98	98	95	95	97	91	94	89	92	92	92	92	93	93	93	95	96	96	96	95	94·4	14·3
10	83	87	87	76	79	72	69	65	63	63	61	63	67	66	66	68	63	69	71	74	76	73	69	80	71·6	10·6
11	89	89	90	96	94	99	96	94	87	87	77	73	78	72	69	69	72	72	75	75	82	78	83	83	82·4	12·0
12	80	80	80	86	81	83	76	65	68	67	66	61	60	59	55	53	55	74	74	78	76	75	81	80	71·4	9·7
13	83	86	87	90	87	90	87	79	72	68	70	69	66	67	67	73	68	74	78	80	83	95	96	98	79·3	10·8
14	94	95	91	94	96	94	97	95	94	93	83	73	72	68	68	75	70	74	75	76	76	74	77	78	83·0	12·6
15	86	74	70	67	72	74	66	73	73	70	70	74	68	76	72	76	75	79	88	92	94	94	91	93	77·5	11·7
16	92	91	93	93	93	94	95	97	97	93	91	91	90	90	89	94	89	88	87	86	87	86	88	89	91·0	13·4
17	88	91	88	88	88	89	86	77	80	77	79	80	82	85	94	84	79	85	85	84	93	91	91	93	85·6	12·4
18	93	90	87	80	82	76	76	68	60	66	63	64	65	61	64	62	62	70	75	76	76	80	86	86	73·8	12·7
19	84	83	80	83	85	91	87	86	79	82	90	87	82	82	83	82	81	82	88	89	90	90	90	89	85·1	16·8
20	94	96	96	97	96	96	96	96	90	90	89	84	88	80	81	78	82	81	87	89	90	88	91	91	89·4	16·8
21	94	92	92	94	94	93	92	86	83	82	89	84	79	82	83	80	74	72	74	79	75	77	83	82	84·1	16·3
22	83	90	89	90	91	90	91	86	79	64	67	75	78	75	75	78	79	77	75	81	83	86	88	88	81·5	14·8
23	90	91	91	92	87	84	80	74	74	81	88	75	79	73	76	75	79	81	84	88	87	88	90	90	83·2	15·4
24	94	93	94	94	94	92	91	92	89	82	83	80	81	79	75	72	73	71	76	80	87	85	90	90	84·9	15·2
25	94	94	93	95	93	95	93	80	69	63	64	63	63	75	73	76	72	69	76	76	79	80	83	88	79·5	15·1
26	88	88	90	91	92	90	86	76	80	76	77	74	71	74	73	69	68	72	76	80	82	87	89	90	80·7	16·3
27	91	93	94	93	90	89	88	78	75	79	76	72	73	75	74	78	77	79	79	61	84	82	80	82	81·9	15·7
28	81	82	82	80	78	79	79	76	75	78	81	82	75	79	84	79	82	79	78	80	78	79	81	85	79·6	15·7
29	89	87	88	86	81	82	75	74	73	76	87	83	76	74	77	70	75	79	82	86	88	88	90	91	81·4	15·9
30	90	86	88	91	91	90	88	87	80	78	79	80	75	79	77	88	91	87	86	87	87	89	95	93	85·9	15·6
Mean	86·6	86·3	86·3	87·2	86·9	86·4	84·3	80·6	78·3	76·5	77·4	75·6	74·5	74·7	74·9	75·0	74·3	76·8	78·8	81·0	83·1	83·4	85·3	86·4	80·8	†13·1
Vapour Pressure*	mb 12·2	mb 12·1	mb 12·1	mb 12·1	mb 12·1	mb 12·4	mb 12·7	mb 12·8	mb 13·0	mb 13·0	mb 13·4	mb 13·3	mb 13·3	mb 13·3	mb 13·4	mb 13·3	mb 13·1	mb 13·2	mb 13·3	mb 13·1	mb 12·9	mb 12·7	mb 12·6	mb 12·5	mb ‡12·8	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and the mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

379 VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	94	92	91	91	94	94	90	88	85	81	90	89	91	95	94	84	87	84	90	88	88	91	90	89·8	14·8
2	87	90	94	90	88	91	90	91	93	88	90	87	85	88	83	82	77	83	84	84	86	85	86	93	87·2	14·6
3	92	90	92	96	94	92	86	91	73	78	72	73	73	76	77	79	73	77	78	79	85	84	83	87	82·6	14·7
4	87	91	97	93	92	93	93	89	89	88	83	81	78	75	76	71	72	78	76	79	79	79	83	79	83·5	15·8
5	82	85	89	87	87	89	86	87	82	79	81	81	76	78	75	74	76	79	86	86	91	90	91	91	83·4	15·4
6	91	94	93	96	93	94	91	89	85	80	81	86	78	77	80	80	82	81	83	86	89	90	90	91	86·7	15·7
7	91	92	93	93	92	91	91	92	90	85	79	79	78	74	74	70	71	73	76	74	83	85	85	86	83·3	14·5
8	89	89	90	88	88	865	86	86	82	76	73	73	71	77	73	70	72	76	75	77	81	83	81	83	80·3	13·9
9	85	86	85	88	88	85	80	85	73	75	77	77	79	72	71	75	74	74	78	78	84	88	88	89	80·5	13·4
10	88	87	91	89	86	89	85	83	79	83	75	70	78	81	73	72	69	75	76	78	85	83	91	88	81·4	13·3
11	91	89	78	79	72	67	76	75	69	76	74	68	64	74	74	73	73	70	75	78	84	90	94	95	77·3	12·9
12	94	91	93	96	96	94	94	92	91	90	91	91	93	91	94	90	89	91	89	88	80	81	81	84	90·4	15·9
13	84	83	84	91	87	83	85	85	83	82	77	76	80	78	78	77	78	75	80	82	81	85	88	88	82·0	14·6
14	90	89	91	92	93	95	92	91	88	88	88	85	84	83	82	91	86	81	82	87	88	87	87	89	87·9	15·3
15	90	91	94	94	95	93	94	94	85	84	79	79	79	75	76	73	71	76	77	80	81	85	83	89	84·0	14·2
16	88	88	91	93	91	94	94	92	92	88	84	72	74	70	70	73	79	81	78	77	85	84	81	81	83·5	14·8
17	86	85	78	79	83	89	82	82	85	86	91	90	88	90	87	90	92	91	94	95	95	91	92	98	87·9	16·1
18	94	96	94	96	93	98	94	90	90	91	92	88	84	86	86	84	80	84	82	82	78	81	82	83	88·1	15·3
19	82	85	85	82	80	81	82	75	73	72	78	75	74	72	73	71	74	78	78	75	80	83	80	82	77·9	13·5
20	85	87	79	86	80	80	85	84	91	85	77	79	90	79	78	79	73	76	80	76	79	78	79	78	81·0	13·5
21	77	77	79	80	85	87	81	89	94	86	75	71	70	66	65	66	64	64	68	72	80	82	84	84	76·8	12·6
22	87	88	91	89	89	87	91	89	81	75	76	80	81	84	80	78	83	77	84	84	82	83	85	96	83·9	12·7
23	97	96	97	97	97	97	97	94	89	87	85	85	78	79	78	81	85	84	78	76	78	76	76	76	86·4	14·8
24	80	81	82	81	82	82	80	83	84	83	84	78	75	77	78	78	79	80	78	82	84	82	86	87	80·9	13·5
25	88	88	87	86	89	87	87	86	77	77	81	79	78	76	75	74	76	76	84	84	81	86	83	83	82·1	13·4
26	83	81	80	87	85	84	77	77	78	81	76	73	75	74	77	78	73	76	81	84	83	87	86	90	80·1	12·7
27	89	90	91	89	88	89	94	88	89	90	34	80	77	68	70	70	76	82	80	82	81	80	84	80	83·2	13·6
28	88	87	90	88	88	88	88	80	88	83	82	78	76	78	75	74	72	75	74	78	82	82	83	82	81·6	12·9
29	83	83	87	90	90	89	89	86	88	84	83	78	79	75	76	75	74	80	78	81	85	88	89	85	83·1	13·5
30	75	82	86	82	89	89	88	83	82	80	78	79	79	79	83	88	92	92	94	90	91	90	91	91	85·4	14·3
31	91	90	93	94	93	93	93	93	93	96	92	94	96	94	97	96	96	96	97	97	96	97	96	97	94·5	16·4
Mean	87·3	87·9	88·6	89·1	88·5	88·7	87·9	86·8	84·7	83·3	81·3	79·8	79·3	78·6	78·3	78·3	77·9	79·6	80·9	82·0	84·0	84·9	85·8	86·9	83·8	†14·2
Vapour Pressure*	mb 13·8	mb 13·7	mb 13·9	mb 14·0	mb 14·0	mb 14·1	mb 14·3	mb 14·4	mb 14·4	mb 14·7	mb 14·7	mb 14·7	mb 14·8	mb 14·8	mb 14·7	mb 14·7	mb 14·4	mb 14·3	mb 14·2	mb 14·0	mb 13·9	mb 13·7	mb 13·8	mb 13·8	mb ‡14·2	

380 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — AUGUST, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	91	94	95	95	98	98	94	90	89	88	81	79	83	81	83	82	85	86	90	89	91	94	96	89·4	15·4
2	94	92	92	91	91	91	91	90	89	88	85	85	86	88	79	74	79	77	78	83	84	87	87	85	86·3	15·2
3	87	87	88	90	86	82	82	84	72	80	79	79	78	79	76	74	78	77	75	80	84	84	85	82	81·2	13·7
4	82	87	81	85	81	80	81	80	80	73	71	75	79	86	80	81	77	74	80	84	85	84	87	85	80·7	13·4
5	90	92	94	94	95	95	93	97	93	95	95	94	94	90	92	90	88	89	90	94	90	89	91	91	92·2	16·3
6	92	90	90	95	87	87	85	85	80	77	77	71	71	73	72	71	75	77	81	84	85	88	89	88	82·1	13·8
7	91	91	90	90	93	89	89	90	87	77	75	81	78	74	75	76	77	80	84	87	88	91	90	96	84·8	13·9
8	93	94	91	92	94	93	96	99	97	97	94	92	94	90	91	88	95	93	92	94	96	98	93	95	93·8	16·7
9	94	92	90	93	93	91	86	77	75	73	63	62	59	66	59	56	64	77	73	73	80	89	88	89	77·7	12·9
10	93	87	88	88	87	88	85	86	81	81	72	71	75	78	78	87	91	91	93	94	96	94	88	93	86·0	14·3
11	95	93	94	95	91	83	82	81	88	88	90	90	89	92	88	89	88	90	89	91	91	97	91	(90)	89·9	14·8
12	88	88	83	83	85	83	83	82	74	75	75	70	78	74	72	81	84	87	89	91	93	90	93	94	83·0	14·2
13	94	96	97	98	98	99	97	96	96	93	95	97	96	97	97	97	97	96	98	93	96	93	94	96	96·0	17·1
14	96	98	98	97	97	94	96	96	94	93	89	88	89	89	85	86	86	88	89	87	91	92	91	96	91·9	17·0
15	96	98	96	96	93	94	96	93	91	91	88	84	82	78	78	80	83	85	83	87	89	91	91	95	89·1	15·6
16	94	93	94	88	85	87	81	85	81	80	81	79	88	94	95	95	93	95	95	97	97	97	97	94	90·2	15·8
17	98	98	98	97	96	96	96	94	94	93	90	84	84	80	79	73	74	77	76	77	80	78	80	78	86·6	16·1
18	77	81	84	88	83	87	91	83	86	91	80	82	78	86	82	80	83	85	90	91	91	90	95	95	85·4	14·1
19	95	94	94	92	91	95	93	95	96	96	92	92	91	86	91	89	88	89	86	87	88	90	90	88	91·3	16·0
20	87	93	94	90	91	93	92	90	89	89	93	87	89	85	88	86	86	77	84	86	73	73	71	68	86·0	14·7
21	75	75	68	74	69	71	73	77	78	78	76	79	85	80	79	81	82	81	76	80	82	86	80	80	77·5	13·4
22	82	85	87	91	91	91	89	86	80	73	72	69	77	78	75	79	76	77	78	85	88	88	87	88	82·0	14·1
23	88	89	91	93	94	98	97	96	98	94	93	97	95	93	94	93	94	94	94	95	94	95	96	96	94·0	17·4
24	98	97	98	98	97	97	97	98	93	90	94	91	91	89	91	92	93	91	92	93	94	95	95	94	94·1	18·4
25	90	88	91	91	92	94	97	94	91	87	86	86	72	82	78	81	83	79	79	74	78	79	76	73	84·6	17·5
26	76	79	72	77	76	80	79	71	71	69	68	70	66	66	70	71	72	74	76	76	74	77	77	78	73·4	17·8
27	76	76	76	76	82	79	82	80	72	72	69	69	64	60	67	72	74	77	82	84	86	89	90	93	76·6	16·5
28	93	93	94	91	91	93	95	91	87	75	72	71	73	75	72	75	79	80	84	84	88	89	94	91	84·6	15·5
29	94	94	96	96	97	96	92	92	92	88	82	85	81	79	82	83	80	83	85	87	89	90	91	93	88·6	16·3
30	93	94	93	93	94	94	96	94	89	86	83	81	85	82	86	90	90	87	89	94	91	95	95	96	90·4	17·2
31	93	93	94	96	96	89	86	87	84	85	83	83	84	87	86	87	86	87	90	90	94	94	92	93	89·2	17·3
Mean	89·9	90·3	90·0	90·7	90·0	89·9	89·5	88·5	86·1	84·4	82·3	81·5	81·6	81·9	81·2	81·9	83·1	83·8	85·0	86·8	87·9	89·1	89·0	89·3	86·4	†15·6
Vapour Pressure*	mb 14·9	mb 14·9	mb 14·9	mb 14·9	mb 14·8	mb 14·9	mb 15·2	mb 15·5	mb 15·7	mb 15·8	mb 16·0	mb 16·0	mb 16·3	mb 16·4	mb 16·3	mb 16·2	mb 16·0	mb 15·8	mb 15·7	mb 15·5	mb 15·4	mb 15·4	mb 15·2	mb 15·1	mb ‡15·5	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and the mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

381 VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — SEPTEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	92	92	90	92	89	89	87	83	80	80	76	82	82	88	88	91	93	95	91	94	93	92	92	88·5	17·5
2	91	92	92	92	94	95	95	96	96	94	94	97	93	93	92	95	95	96	96	96	97	95	97	96	94·5	18·6
3	97	88	93	92	94	95	93	93	93	95	90	88	87	85	86	86	85	91	94	95	96	95	92	90	91·5	16·5
4	89	86	84	89	88	89	88	90	87	89	91	91	88	87	88	96	92	94	92	92	87	90	88	86	89·3	16·0
5	84	71	65	60	68	69	74	73	73	82	80	77	90	77	80	78	74	80	78	80	78	78	83	84	76·5	13·0
6	90	90	87	92	92	93	95	90	89	93	92	95	94	96	95	94	92	93	93	95	91	89	81	81	91·4	16·2
7	73	66	73	78	71	71	80	82	75	70	73	83	77	79	78	84	88	78	78	72	78	75	77	78	76·6	12·8
8	76	69	71	66	77	72	72	67	66	71	72	71	72	75	78	80	83	89	90	91	89	88	90	91	77·5	13·4
9	91	94	94	94	96	97	96	96	94	93	89	92	91	93	89	89	88	88	89	91	92	92	94	94	92·3	17·2
10	92	93	92	87	88	93	92	91	89	89	88	81	86	84	85	87	88	91	92	92	92	90	90	91	89·3	16·6
11	88	89	90	85	86	86	88	89	90	90	92	92	91	91	94	94	92	93	94	92	96	96	96	95	91·1	17·0
12	96	93	94	96	95	95	95	93	89	91	87	85	84	84	85	84	85	85	86	92	94	91	93	95	90·4	15·8
13	96	94	92	94	95	95	94	95	93	85	88	90	87	84	89	79	81	81	86	86	87	89	87	90	89·1	14·8
14	87	81	81	80	78	78	78	77	76	71	71	70	68	67	67	67	69	74	72	77	80	81	82	83	75·8	12·3
15	85	85	88	86	92	92	91	92	89	87	68	72	73	78	82	85	75	89	90	94	89	89	89	92	85·3	12·5
16	93	92	88	92	91	94	88	91	92	83	71	77	74	68	77	76	80	78	87	86	84	87	90	91	84·6	11·8
17	91	93	92	92	95	94	93	96	95	91	90	71	68	74	77	73	82	88	87	91	92	90	91	95	87·5	13·1
18	92	93	93	95	95	93	95	95	95	95	97	97	98	97	96	96	94	91	90	92	94	96	97	97	94·7	14·9
19	98	97	98	97	97	94	94	96	94	88	87	86	84	85	86	86	82	85	90	91	93	94	96	93	91·4	16·9
20	86	84	87	88	79	81	79	84	75	78	76	73	72	72	80	82	80	88	92	93	91	92	92	93	83·2	14·7
21	93	92	92	93	93	94	93	94	96	93	91	87	90	90	87	88	89	90	91	91	91	92	97	95	91·7	15·8
22	94	94	95	95	95	96	94	95	96	91	90	83	85	84	78	76	86	87	89	89	92	93	92	92	90·1	14·5
23	93	88	89	84	81	84	89	88	82	80	82	82	80	80	80	80	79	79	78	80	79	79	80	78	82·5	14·8
24	78	82	84	80	81	83	85	86	88	91	92	90	83	83	85	85	86	90	91	90	94	96	94	92	86·7	16·5
25	96	94	96	94	96	97	96	94	93	90	93	89	91	92	92	88	91	94	93	96	98	98	98	98	93·9	16·5
26	97	96	96	96	97	98	98	96	95	89	88	73	68	64	64	62	70	73	75	78	78	76	75	75	82·9	12·9
27	74	80	77	82	81	86	86	83	70	69	69	70	76	83	90	89	87	86	86	89	82	85	82	79	80·8	11·1
28	77	75	78	76	81	76	72	82	72	67	56	56	57	63	54	55	53	57	61	67	65	63	64	70	66·7	9·0
29	76	74	76	79	76	80	74	73	70	66	71	72	67	67	65	66	63	67	70	70	71	80	70	75	71·5	10·4
30	66	71	71	75	74	76	72	74	68	70	66	65	66	64	69	66	70	68	73	72	70	70	72	70	70·0	10·3
Mean	87·7	86·3	86·7	86·6	87·3	87·8	87·6	87·9	85·4	84·0	82·5	81·0	80·7	80·7	81·9	81·8	82·3	84·5	86·0	87·0	87·1	87·4	87·4	87·7	85·2	†14·5
Vapour Pressure*	mb 13·8	mb 13·4	mb 13·5	mb 13·3	mb 13·3	mb 13·3	mb 13·6	mb 14·0	mb 14·3	mb 14·6	mb 14·8	mb 14·9	mb 15·0	mb 15·2	mb 15·3	mb 15·2	mb 15·0	mb 15·0	mb 14·8	mb 14·7	mb 14·4	mb 14·2	mb 14·1	mb 13·8	‡14·4	

382 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — OCTOBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	71	76	75	76	75	74	74	75	68	69	69	68	67	68	70	75	77	76	77	76	76	75	74	75	73·1	11·8
2	77	75	75	74	75	76	76	77	76	76	73	74	73	72	73	75	75	74	75	73	72	70	71	71	74·2	13·0
3	69	75	72	71	69	65	65	68	66	65	66	65	66	65	68	72	79	83	83	82	86	87	87	87	73·0	12·9
4	85	82	82	82	82	88	87	85	87	83	80	80	81	85	84	86	86	86	88	90	89	86	84	84	84·7	14·4
5	84	84	87	90	90	85	79	86	75	73	64	63	65	59	66	69	68	73	72	74	72	71	73	72	75·0	12·2
6	74	78	75	81	77	80	79	69	68	64	61	59	56	61	60	57	65	70	69	71	69	65	63	64	68·3	9·3
7	70	63	57	60	63	69	70	69	65	62	64	62	66	60	65	65	64	65	64	59	57	59	58	60	63·3	8·5
8	62	66	64	64	61	66	71	66	73	70	67	63	58	66	65	60	63	62	65	66	65	72	74	74	65·7	8·9
9	74	70	69	71	73	73	73	71	78	74	70	69	56	56	58	60	60	63	68	67	74	76	76	74	68·9	8·4
10	75	72	85	79	77	73	72	67	70	71	63	58	57	62	57	61	67	67	73	75	74	75	80	86	70·4	8·5
11	84	79	89	90	85	87	87	88	86	82	74	69	71	67	70	73	73	77	84	87	87	88	89	92	81·5	9·2
12	94	93	96	97	96	97	98	94	96	94	93	77	85	76	79	81	77	83	87	85	85	87	89	84	88·6	11·0
13	86	89	87	86	88	88	87	85	86	84	85	82	83	80	81	85	88	88	89	88	93	93	91	91	86·6	13·4
14	93	90	92	96	94	93	95	97	97	96	97	94	93	92	92	94	94	92	93	93	93	93	93	96	93·7	15·4
15	97	96	88	91	91	90	92	94	92	90	91	90	94	94	86	83	82	80	80	79	82	83	85	82	88·3	14·6
16	77	85	87	88	91	89	89	91	90	87	87	84	86	86	83	85	84	88	87	87	86	83	81	82	86·0	14·0
17	81	83	82	84	84	84	85	85	84	88	91	93	91	87	85	80	80	76	77	74	65	65	61	65	80·8	13·2
18	65	73	70	67	65	62	66	65	73	62	67	68	71	69	66	70	74	76	74	71	77	73	74	73	69·5	10·1
19	71	73	81	79	80	76	73	64	64	68	57	55	55	55	55	66	62	59	65	63	69	63	68	61	66·2	9·7
20	66	62	65	67	65	66	64	68	73	71	85	81	82	77	77	86	88	86	88	84	88	75	78	84	75·6	10·7
21	80	83	82	85	84	87	91	96	94	95	96	91	87	88	85	85	85	86	88	88	89	91	89	86	87·9	13·1
22	89	87	87	78	87	93	91	93	91	93	89	86	86	86	85	84	88	87	85	88	84	82	84	88	87·1	13·5
23	93	90	89	93	90	80	83	76	76	74	75	68	76	68	71	68	73	74	75	76	77	85	84	80	79·1	11·1
24	87	87	89	91	87	88	87	83	83	86	86	87	90	86	91	91	91	92	91	93	91	85	80	64	87·3	12·7
25	69	74	57	59	63	79	69	72	63	71	72	81	58	78	62	68	67	76	73	71	76	83	87	92	71·1	8·9
26	98	99	93	90	92	91	92	91	94	90	90	88	88	87	85	70	71	69	71	58	52	53	60	63	81·2	12·3
27	54	57	54	62	62	57	63	74	75	80	74	64	64	62	61	64	62	81	75	66	70	57	73	66	65·6	8·3
28	72	74	64	67	68	70	69	74	82	76	77	80	83	85	82	85	92	90	90	91	94	97	95	94	80·7	10·9
29	95	91	90	94	92	91	91	92	93	92	90	91	90	90	90	95	94	96	92	92	91	91	90	91	91·9	15·1
30	92	92	91	93	92	91	91	97	93	89	89	87	90	94	93	94	94	93	82	82	76	82	79	74	89·1	13·1
31	64	63	68	70	67	70	68	77	70	72	73	68	70	70	71	76	80	82	87	84	87	89	89	89	74·9	9·1
Mean	79·0	79·4	78·8	79·8	79·5	79·9	79·9	80·3	80·0	78·9	77·9	75·7	75·4	75·2	74·7	76·2	77·5	79·0	79·6	78·5	78·9	78·5	79·3	78·8	78·4	†11·5
Vapour Pressure*	mb 11·1	mb 11·1	mb 11·1	mb 11·0	mb 11·1	mb 11·1	mb 11·1	mb 11·3	mb 11·5	mb 11·6	mb 11·9	mb 11·8	mb 11·7	mb 11·8	mb 11·7	mb 11·7	mb 11·7	mb 11·6	mb 11·6	mb 11·3	mb 11·3	mb 11·2	mb 11·2	mb 11·0	‡11·4	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and the mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

383 VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	84	89	86	82	86	80	76	76	75	81	79	86	91	91	93	94	94	91	92	95	96	95	93	91	87·3	12·0
2	91	94	93	94	94	93	93	93	91	94	93	91	93	92	94	97	97	97	96	95	95	96	94	96	93·9	13·6
3	87	80	86	87	77	79	76	83	75	74	68	76	68	66	76	80	87	85	88	88	91	89	89	88	81·1	10·7
4	91	90	90	95	96	95	94	94	94	94	92	89	95	84	84	80	87	84	89	89	88	86	79	83	89·4	11·0
5	76	76	74	88	80	74	74	74	74	74	75	68	72	69	72	75	82	81	89	87	92	86	86	88	78·5	9·6
6	88	89	89	94	84	88	92	83	86	82	73	74	75	84	83	83	77	76	78	74	81	84	75	83	82·4	9·4
7	83	89	76	74	76	83	77	77	81	81	80	88	88	89	79	92	76	80	77	75	73	73	72	71	79·8	9·6
8	69	69	63	74	76	79	81	67	61	66	63	71	73	79	84	83	79	82	83	83	82	71	81	77	74·7	8·8
9	77	76	79	73	75	78	78	74	76	78	78	76	74	86	77	76	70	75	69	73	71	74	71	65	75·2	9·2
10	65	68	54	64	65	71	68	68	71	77	68	69	72	68	62	66	63	68	71	77	81	81	73	74	69·1	7·3
11	83	74	72	75	73	73	72	80	84	94	90	87	88	87	90	87	91	90	92	88	87	91	87	88	84·0	10·6
12	84	81	80	81	76	73	70	67	71	68	68	64	62	73	69	73	74	79	66	64	71	71	74	76	72·5	8·7
13	79	80	84	86	87	89	90	89	87	78	79	76	75	91	90	84	89	90	87	87	87	88	91	88	85·2	9·4
14	86	84	85	76	70	71	62	69	65	63	74	63	69	67	67	73	70	72	76	80	87	84	84	86	74·3	9·2
15	86	82	82	84	85	86	85	86	86	89	88	88	90	91	95	90	94	92	92	92	92	93	93	93	88·8	11·9
16	92	92	93	92	94	93	94	94	90	91	94	94	97	97	97	98	98	98	97	95	93	93	91	95	94·2	13·6
17	96	95	98	98	98	98	97	95	98	95	97	96	94	93	89	86	87	79	73	64	73	71	72	73	88·6	11·7
18	77	83	82	86	91	87	82	82	86	80	79	83	78	79	75	77	79	78	87	85	84	87	92	93	82·6	8·0
19	89	86	89	93	91	93	93	93	90	91	90	89	85	83	86	84	88	81	83	87	90	92	90	87	88·6	7·9
20	88	93	96	87	88	89	88	85	89	87	92	87	85	78	77	73	77	77	84	88	84	85	85	91	85·5	7·0
21	87	83	91	87	83	90	89	85	91	85	87	86	84	75	74	79	84	83	74	76	78	77	76	79	82·9	6·8
22	77	72	77	77	79	78	75	72	73	75	76	76	74	74	76	77	78	77	82	83	77	82	76	76	76·7	8·3
23	79	80	83	83	77	79	79	86	88	91	92	83	83	93	89	88	89	89	89	88	89	89	89	88	85·7	10·2
24	87	85	91	87	90	87	93	90	87	85	86	86	82	83	79	86	84	86	87	86	83	77	85	88	85·8	9·1
25	87	86	87	87	89	87	86	87	87	88	88	88	86	79	79	74	76	76	76	85	86	82	85	85	84·1	9·0
26	86	85	86	86	82	83	82	83	84	83	87	78	82	83	81	84	86	87	88	87	88	93	94	91	85·3	8·4
27	90	87	93	90	89	87	84	89	84	85	90	84	76	80	85	87	92	86	88	84	86	86	83	85	86·4	7·6
28	73	81	75	77	82	83	81	81	84	76	75	83	78	76	76	83	84	85	85	89	91	94	87	90	81·9	8·3
29	86	91	89	93	92	92	94	94	95	94	94	98	97	96	98	97	96	98	97	95	93	92	91	92	93·9	11·9
30	91	89	93	92	92	93	94	93	94	88	82	72	74	63	67	65	69	63	61	60	60	60	61	54	77·0	9·9
Mean	83·8	83·6	83·9	84·7	83·9	84·4	83·3	83·0	83·2	82·9	82·6	81·6	81·3	81·6	81·4	82·4	83·2	82·8	83·2	83·3	84·3	84·1	83·3	83·8	83·2	†9·6
Vapour Pressure*	mb 9·2	mb 9·1	mb 9·1	mb 9·1	mb 9·1	mb 9·1	mb 9·1	mb 9·1	mb 9·2	mb 9·5	mb 9·8	mb 9·9	mb 10·1	mb 10·2	mb 10·2	mb 10·2	mb 10·0	mb 9·8	mb 9·5	mb 9·5	mb 9·5	mb 9·4	mb 9·3	mb 9·2	mb ‡9·5	

384 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — DECEMBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	63	64	64	64	67	64	64	64	63	61	62	63	67	68	80	79	73	73	79	81	84	89	87	87	70·6	8·7
2	86	84	87	88	89	88	86	86	88	86	88	89	87	86	86	84	83	90	89	93	90	92	93	90	87·8	11·9
3	89	89	90	90	90	92	92	92	92	94	93	89	91	91	94	90	86	88	89	90	89	74	69	76	88·6	11·8
4	80	70	66	70	74	71	74	81	75	75	72	65	70	71	81	80	78	78	79	79	77	75	76	76	74·7	8·6
5	70	87	74	72	56	64	59	74	74	67	73	64	59	57	57	67	64	57	78	60	61	60	63	68	66·2	6·6
6	51	53	47	46	46	62	49	74	50	55	57	60	53	62	52	51	58	61	52	56	63	63	69	76	56·7	5·6
7	80	84	87	91	88	89	95	94	89	87	87	89	89	87	86	87	89	94	94	94	89	93	89	84	88·8	10·7
8	83	83	87	89	87	87	90	92	94	97	90	92	94	88	87	92	88	86	79	74	78	79	86	86	87·0	10·6
9	90	90	90	85	87	89	88	86	91	87	89	86	85	81	78	82	82	86	83	84	83	84	87	87	85·8	8·0
10	87	87	86	87	87	87	87	87	88	88	89	91	91	91	92	95	93	91	91	96	94	92	94	92	90·0	10·7
11	94	96	96	96	96	96	92	93	91	89	85	78	72	72	74	77	72	72	69	74	68	71	69	65	82·1	8·8
12	75	80	82	64	68	68	78	74	79	82	89	86	88	74	79	75	72	75	86	73	75	86	84	86	77·8	7·2
13	87	86	86	86	85	86	81	82	86	88	88	89	91	91	89	93	89	93	93	93	92	91	93	89	88·8	9·8
14	89	91	92	91	91	91	92	91	91	90	87	89	88	79	65	58	56	48	67	62	57	53	61	68	77·4	8·1
15	72	71	76	77	81	78	81	83	81	82	79	79	82	78	83	88	88	88	91	89	79	78	76	74	80·5	8·5
16	75	78	67	63	74	73	69	72	80	72	77	75	70	62	76	68	77	73	75	79	75	78	81	78	73·5	7·8
17	86	86	84	88	91	91	92	90	89	96	92	91	87	86	83	77	75	77	81	77	87	89	87	87	86·0	11·1
18	89	89	89	83	78	73	65	68	70	73	65	63	58	59	63	66	77	78	72	73	71	72	68	68	72·5	8·3
19	64	72	71	72	72	83	79	79	80	78	80	77	77	77	76	75	75	75	75	76	76	74	75	73	75·4	9·2
20	75	77	77	76	79	79	79	76	74	76	78	78	87	89	92	87	90	89	89	89	91	93	92	95	83·2	11·0
21	96	95	95	94	95	94	93	93	90	94	97	94	91	93	92	91	93	93	93	87	86	84	87	85	92·1	10·9
22	79	88	87	87	88	91	90	90	89	88	86	74	70	67	74	65	62	63	69	76	84	83	85	89	80·1	7·9
23	90	90	91	90	93	90	87	88	84	91	88	90	91	93	91	90	90	87	93	91	94	96	93	96	90·6	7·7
24	94	97	97	94	97	94	90	90	96	91	96	88	88	90	90	93	93	94	92	91	88	92	89	93	92·4	8·3
25	97	96	98	93	92	92	98	98	93	95	98	94	91	93	90	84	84	82	79	77	80	79	85	88	89·8	8·1
26	87	88	89	88	86	88	90	88	87	78	76	78	75	72	71	72	76	76	76	79	72	75	72	82	80·1	8·5
27	82	72	72	75	78	81	79	83	77	71	71	74	74	78	80	76	79	80	86	80	78	75	74	74	77·2	8·6
28	76	75	79	79	77	77	78	81	79	86	88	88	83	79	78	76	79	84	86	88	91	90	93	95	82·3	9·7
29	89	92	95	89	78	72	67	69	72	65	72	70	81	79	73	76	73	79	76	79	84	83	74	80	78·1	8·6
30	78	77	79	79	81	83	87	87	90	93	90	93	95	94	92	89	89	90	90	89	89	89	89	89	87·4	11·4
31	89	90	90	87	89	89	90	90	87	87	85	85	81	85	85	82	84	84	81	88	91	86	86	85	86·6	11·1
Mean	82·0	83·1	82·9	81·7	81·9	82·7	82·0	83·7	82·9	82·7	82·8	81·3	80·8	79·7	80·3	79·5	79·6	80·1	81·7	81·2	81·2	81·2	81·5	82·5	81·6	†9·2
Vapour Pressure*	mb 9·0	mb 9·0	mb 8·9	mb 8·9	mb 8·8	mb 9·0	mb 9·0	mb 9·0	mb 9·0	mb 9·0	mb 9·2	mb 9·3	mb 9·3	mb 9·3	mb 9·3	mb 9·1	mb 9·1	mb 9·0	mb 9·1	mb 9·1	mb 9·1	mb 9·1	mb 9·1	mb 9·0	mb ‡9·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and the mean relative humidity †Mean of the column ‡Mean of the row

HUMIDITY: ANNUAL MEANS FROM HOURLY VALUES
For exact hours, Greenwich Mean Time

385 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Relative Humidity	% 83·0	% 83·1	% 83·2	% 83·6	% 83·7	% 83·8	% 83·4	% 82·5	% 81·0	% 79·8	% 78·5	% 77·1	% 76·5	% 76·4	% 76·5	% 76·6	% 77·2	% 78·4	% 79·7	% 80·8	% 81·8	% 82·1	% 82·6	% 82·9	% 80·6
Vapour Pressure in Millibars*	mb 10·2	mb 10·2	mb 10·2	mb 10·1	mb 10·1	mb 10·2	mb 10·3	mb 10·4	mb 10·5	mb 10·7	mb 10·8	mb 10·9	mb 11·0	mb 11·0	mb 11·0	mb 11·0	mb 10·8	mb 10·8	mb 10·7	mb 10·6	mb 10·5	mb 10·4	mb 10·4	mb 10·3	mb 10·5

* Computed from the mean temperature and mean relative humidity.

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

386 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres 1936

MONTH	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
January	82·1	-0·1	+0·7	-0·4	0·0	+0·9	+1·1	+1·0	+2·0	-0·2	-0·9	-1·1	-0·7	-1·6	-1·1	-0·3	-0·5	-0·7	-1·1	-0·1	+0·6	+2·3	+0·7	+0·6	-0·8
February	77·7	+0·1	-0·7	0·0	+0·5	+1·9	+1·3	+2·6	+2·0	+2·5	+2·9	+1·8	-0·1	-1·5	-1·3	-3·0	-2·3	-2·2	-2·8	-2·2	-0·6	-0·6	-0·2	+0·8	+0·9
March	77·1	+2·5	+1·9	+3·4	+2·9	+3·3	+3·2	+3·9	+3·5	+2·4	+0·6	-3·4	-4·5	-4·7	-5·6	-5·0	-5·5	-3·9	-1·4	-0·3	0·0	+1·0	+1·3	+2·3	+2·3
April	75·0	+4·1	+5·3	+4·6	+5·8	+6·2	+6·9	+7·5	+4·0	+0·7	-2·9	-5·4	-7·7	-10·0	-9·3	-8·5	-8·3	-6·3	-4·2	-1·1	+2·3	+2·7	+4·4	+4·4	+4·8
May	75·6	+5·9	+5·6	+5·8	+6·3	+6·5	+5·1	+3·6	+0·6	-1·5	-2·2	-4·5	-6·1	-6·4	-5·6	-6·3	-7·4	-6·3	-4·6	-3·1	+0·4	+2·0	+3·3	+4·3	+4·7
June	80·8	+6·1	+5·8	+5·8	+6·6	+6·3	+5·7	+3·6	-0·1	-2·4	-4·3	-3·4	-5·3	-6·3	-6·2	-6·0	-6·0	-6·7	-4·2	-2·2	-0·1	+2·0	+2·2	+4·1	+5·2
July	83·8	+3·6	+4·2	+4·9	+5·4	+4·8	+5·0	+4·2	+3·1	+0·9	-0·5	-2·5	-3·9	-4·5	-5·2	-5·4	-5·5	-5·6	-4·2	-2·9	-1·8	+0·2	+1·1	+1·9	+3·1
August	86·4	+3·4	+3·8	+3·5	+3·3	+3·6	+3·5	+3·1	+2·1	-0·4	-2·0	-4·2	-5·0	-4·8	-4·5	-5·2	-4·5	-3·3	-2·5	-1·3	+0·5	+1·5	+2·8	+2·6	+3·0
September	85·2	+2·1	+0·7	+1·1	+1·1	+1·8	+2·4	+2·2	+2·6	+0·1	-1·3	-2·8	-4·2	-4·5	-4·5	-3·3	-3·3	-2·7	-0·5	+1·0	+2·1	+2·2	+2·5	+2·5	+2·8
October	78·4	+0·9	+1·3	+0·6	+1·7	+1·3	+1·7	+1·7	+2·0	+1·7	+0·6	-0·4	-2·7	-3·0	-3·2	-3·7	-2·2	-1·0	+0·5	+1·0	-0·1	+0·3	-0·1	+0·7	+0·2
November	83·2	+0·1	0·0	+0·3	+1·2	+0·4	+0·9	-0·1	-0·4	-0·1	-0·4	-0·7	-1·5	-1·8	-1·5	-1·6	-0·6	+0·3	-0·1	+0·4	+0·5	+1·6	+1·4	+0·7	+1·2
December	81·6	+0·9	+1·9	+1·7	+0·5	+0·6	+1·3	+0·6	+2·3	+1·4	+1·1	+1·3	-0·3	-0·8	-1·9	-1·4	-2·3	-2·2	-1·7	-0·2	-0·7	-0·8	-0·8	-0·6	+0·3
Year	80·6	+2·4	+2·5	+2·6	+3·0	+3·1	+3·2	+2·8	+1·9	+0·4	-0·8	-2·1	-3·5	-4·1	-4·2	-4·1	-4·0	-3·4	-2·2	-0·9	+0·3	+1·2	+1·6	+2·0	+2·3

† See page 23.

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES
†Amounts, in millimetres; durations in hours for periods of sixty minutes between the exact hours, Greenwich Mean Time

387 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre 1936

Hour G.M.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm 46·4	mm 56·4	mm 52·1	mm 54·1	mm 50·3	mm 49·5	mm 58·5	mm 55·9	mm 54·4	mm 52·9	mm 63·0	mm 50·4	mm 49·4	mm 41·1	mm 40·3	mm 59·8	mm 58·3	mm 42·3	mm 65·0	mm 65·0	mm 53·5	mm 49·6	mm 39·3	mm 45·3	mm 1252·8
Duration	hr 35·2	hr 38·3	hr 41·2	hr 43·1	hr 42·7	hr 38·5	hr 45·8	hr 45·7	hr 42·6	hr 29·9	hr 31·8	hr 29·8	hr 28·2	hr 29·4	hr 33·0	hr 30·2	hr 31·6	hr 32·0	hr 36·1	hr 33·8	hr 38·4	hr 36·1	hr 33·9	hr 37·3	hr 864·6

† The totals and durations for individual months are printed in the tables on the following pages.

NOTES ON RAINFALL

388 VALENTIA OBSERVATORY 1936

Notable Falls of the Year:-

There were no "Noteworthy" Falls in short periods.
The greatest fall in the year between one exact hour and the next was 8·3 mm between 18h and 19h on January 26th.

Details of the greatest continuous falls are as follows:-

Date	Amount	Duration
	mm	hrs
Jan. 4th	28	5·7
" 26th	34	8·3
May 14th	26	9·8
July 12th	22	9·6
Dec. 13th	31	12·5

Wet Periods:-

There were two "Rain Spells" (i.e. periods of 15 or more consecutive days on each of which 0·2 mm or more of rain fell) February 15th to March 7th and October 21st to November 17th.
There was one "Wet Spell" (i.e. a period of 15 or more consecutive days on each of which 1 mm or more of rain fell) January 17th to February 2nd.

Dry Periods:-

The longest period without rain was the nine days from March 10th to 18th.
No "dry spell" occurred during the year.

Rate of Rainfall, (Jardi Recorder):-

The highest instantaneous rate of rainfall was 101 mm/hr at 19h 42m on January 4th.
The maximum rate exceeded 50 mm/hr on 14 days.

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

389 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

JANUARY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	2
2	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	0·4	0·5	2
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	5·2	7·4	1·7	4·1	7·6†	1·7	·1	...	...	28·4	6·8	101
5	·6	·1	·1	·1	·1	...	·3	2·4	3·9	1·4	1·4	4·2†	2·0	1·2	·3	·3	·5	2·0	1·9	·1	·1	·6	1·0	...	24·6	15·1	14
6	·5	·1	...	·3	...	·2	·6	·2	1·2	·4	·6	...	...	·1	·4	...	...	...	·2	·1	2·9†	...	...	·1	7·9	5·6	36
7	...	...	·6†	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·5	16
8	...	·4	·6	1·2	2·6	4·0	3·1	·1	·1	...	·1	...	...	...	...	...	...	...	...	·9	1·2†	...	...	...	14·3	6·6	57
9	...	·8	...	·4	...	...	...	...	1·0	2·5	5·2	4·9	1·8	2·2†	·6	·1	·1	·1	...	...	·1	...	...	...	19·8	7·3	39
10	...	·2	...	...	...	...	...	...	...	·1†	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·4	0·4	9
11	...	·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	5
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	·1	·3	·2	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	2·9	1
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1†	...	...	...	...	·2	·2	...	...	0·5	1·1	9
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	·6	·4	...	...	...	...	...	...	1·0	...	...	...	...	·2	·1	·4†	...	...	·2	...	...	...	2·9	2·1	19
18	...	·8	·1	·2	·1	1·2	1·2†	·4	·1	·6	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·7	7·6	5·2	55
19	1·0	1·5	·5	·2	3·7†	3·7	1·6	·8	1·4	·2	2·2	1·0	...	·4	...	...	...	...	...	...	1·2	1·4	·3	...	21·1	11·3	18
20	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	...	...	...	...	...	...	(·2)	...	(1·2)	...	...	(·1)	2·0	1·6	4
21	(·2)	...	(·1)	...	(·1)	...	...	...	...	...	...	·1	...	·1	·3	...	1·1†	...	·3	...	·4	·4	·4	·6	4·1	3·9	11
22	...	...	·1	·1	·5	...	·1	...	...	...	...	...	·6	·5	·6†	·2	...	...	·1	...	...	...	...	...	2·8	2·2	14
23	...	...	...	...	...	...	...	...	...	...	·5	1·6†	·5	·6	·3	1·0	·2	·5	...	...	·2	...	...	...	5·4	6·5	7
24	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·9	1·9	1·4†	·6	·4	...	...	...	...	...	6·7	4·9	5
25	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·3	...	·2	...	...	...	...	...	1·1†	1·7	0·7	29
26	...	...	...	...	...	·1	...	·3	...	...	...	·5	...	...	·2	3·2	3·6	2·3	8·3	6·0†	2·7	4·5	3·2	·1	35·0	8·7	29
27	...	·1	...	...	...	...	·4	...	·1	...	...	...	...	...	...	·6	1·6†	...	...	...	·4	...	...	·3	3·5	1·2	45
28	1·3	·5	·6	1·3	...	·1	...	...	...	·2	...	·1	...	...	...	...	...	...	1·3	4·3†	1·2	...	...	...	10·9	4·0	44
29	...	...	...	·2	...	...	...	...	...	...	...	...	...	·4	·8	·1	...	...	...	...	...	...	·5†	...	2·0	0·8	21
30	...	...	...	...	...	...	·9	1·0	·2	...	...	...	...	...	...	·1	...	...	...	4·0†	1·5	·4	·4	...	8·5	6·2	34
31	·2	...	...	...	...	·1	3·9†	1·9	·4	...	·1	...	...	...	...	...	...	...	...	...	·2	1·4	·2	...	8·4	4·0	21
Sum	3·8	4·6	3·4	4·7	7·3	9·8	12·3	7·1	8·4	5·4	11·3	12·7	5·2	6·1	6·0	13·3	16·0	7·8	17·2	23·0	15·3	9·2	7·2	4·0	221·1	110·4	
Total Duration	hr 2·5	hr 3·6	hr 3·8	hr 4·6	hr 3·8	hr 3·9	hr 6·3	hr 5·6	hr 5·4	hr 3·7	hr 4·9	hr 4·1	hr 3·4	hr 3·9	hr 5·7	hr 6·1	hr 5·1	hr 4·8	hr 4·8	hr 4·2	hr 7·0	hr 5·9	hr 4·8	hr 2·5	hr 110·4		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

390 VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

FEBRUARY, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	2·0	·2	...	...	...	...	·4	·4†	...	·3	·3	...	...	·6	...	...	...	...	·1	...	...	4·3	2·3	18
2	4†	·1	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·1	0·9	15
3	...	...	...	...	...	·3†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·1	7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·1	...	...	...	...	...	...	...	...	0·6	1·6	4
5	...	...	...	...	...	·2	2·6	2·1	·9	1·6	2·4†	·1	...	...	...	...	...	...	...	...	...	·1	...	...	10·0	6·3	9
6	...	·3	·4	·9	·2	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	1·9	2·7	3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	·6	·7	·6†	...	...	·1	...	3·1	3·3	6
10	...	...	...	·1	...	·2	·3	·6	·5	...	·5	2·2	·4	1·2	1·3†	...	·1	...	·3	3·3	·5	...	...	·1	11·6	9·3	13
11	·3	1·9	·8	·3	·5	·7	1·1	·3	1·2	·7	1·0	·4	·9	1·2	1·3†	·1	...	...	...	...	...	...	...	...	12·7	15·0	7
12	...	...	·1	...	...	...	·4	·1	·1	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	1·0	3·2	1
13	...	...	...	...	...	...	...	...	·1	...	...	·4	1·1	1·2†	·3	·1	·2	·3	·5	·5	·2	·2	...	...	5·1	9·4	7
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·3	1
15	·2	...	...	...	...	...	...	·8	...	·3†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·1	7
16	...	...	...	...	...	...	·1	...	...	...	...	...	·1	...	...	...	...	·1	·3	·1	...	·1	·2	·3	1·3	4·7	1
17	·1	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	·6†	·1	·1	...	·4	·1	1·7	2·1	8
18	·1	·3	1·5	2·1	·4	·3	1·0	·3	·6	·1	...	...	...	2·6†	...	...	...	...	...	...	...	...	...	...	9·3	8·6	16
19	...	...	...	...	...	·1	1·3	...	...	...	...	·5†	·3	...	...	...	·1	...	·2	...	...	...	...	...	2·5	1·5	31
20	...	...	...	...	...	...	·1	·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	(␣)	(␣)	(␣)	0·2	0·2	17
21	(␣)	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	·3	1·5	0·9	9
22	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	...	...	...	...	...	·6†	·1	...	1·9	0·8	24
23	...	...	...	...	...	·3	·5	·2	...	·1	2·5	·2†	...	·2	·1	...	...	·3	·3	·2	...	...	...	...	4·9	3·6	26
24	·2	·1	...	...	...	...	...	...	...	...	...	...	...	·4†	...	...	...	...	...	...	...	...	...	...	0·7	0·3	6
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·2	·4	0·8	1·9	2
26	·7	·9	·4	...	...	...	...	...	·1	...	...	...	...	...	...	·1	...	...	...	...	...	·1	·5	·2†	3·0	3·3	10
27	...	...	...	...	...	...	·3	...	·7	·6	...	1·6	1·7	·1	...	...	·2	·1	·1	·3	...	·3	1·3†	...	7·3	2·1	43
28	...	...	...	...	...	...	·8	·2	·5†	·2	·6	...	·2	·7	...	...	...	...	...	·1	...	...	...	...	3·3	2·2	31
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9†	1·0	2·0	6
Sum	2·1	3·6	3·2	5·6	1·3	2·2	8·5	5·1	4·7	4·2	7·6	5·4	5·0	8·3	3·7	1·5	2·1	1·4	3·0	5·2	1·0	1·5	3·5	2·8	92·5	88·7	
Total Duration	hr 3·4	hr 3·0	hr 3·4	hr 4·1	hr 2·5	hr 3·7	hr 6·9	hr 6·8	hr 5·4	hr 3·8	hr 4·0	hr 3·8	hr 3·6	hr 5·0	hr 4·2	hr 1·9	hr 2·2	hr 2·3	hr 3·5	hr 3·6	hr 1·8	hr 2·2	hr 3·3	hr 4·3	hr 88·7		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

391 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

MARCH, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	·2	...	...	·1	·4	·3	...	...	·1	...	...	...	·2†	...	...	...	...	·1	...	...	...	...	...	...	1·4	1·5	7
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	0·3	0·4	1
3	...	...	·2	...	·2	...	...	·4	...	1·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	1·0	20
4	...	...	...	·3	·8	·3	·5†	...	...	...	...	·3	2·9	·7	...	...	...	...	...	...	...	...	...	...	5·8	4·4	10
5	...	...	...	·4†	...	...	·2	·1	·1	·2	...	·1	...	·1	...	...	·1	·1	...	...	·6	·1	...	...	2·1	1·3	23
6	...	·5	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	1·2	2·3	3·1†	1·2	8·7	5·0	16
7	1·1	·2	...	...	...	...	·1	·1	·4	·6	·3	·7	·4	·7†	·1	·3	...	·2	...	...	...	...	...	...	5·2	8·2	7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	·3†	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·5	0·3	5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1†	2·5	·2	·2	·1	·1	·4	4·6	3·7	16
20	·7	...	·8	·6†	...	·2	·8	·2	·5	1·9	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	5·8	3·9	23
21	...	...	·2	·4	·1	·1	·6	·1	·1	...	...	...	...	...	...	...	·4	·4	3·2†	1·6	1·2	...	...	...	8·4	7·7	35
22	...	...	...	...	...	·4	·6	1·3	·5	·3	1·3	1·5	·8	...	·5	·1	...	·7	·1	·4	...	...	·8	1·8†	11·1	6·6	31
23	·5	...	...	...	...	2·3	·1	·9†	...	...	...	...	...	...	...	...	...	...	...	·1	·6	1·0	1·3	2·2	9·0	5·5	34
24	·4†	...	·3	...	...	...	...	...	...	...	...	...	...	·2	...	·1	·2	·5	...	...	·2	·2	...	...	2·1	3·4	5
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·3	·8	·7	·6	2·8	5·2	3
27	·6	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2†	·2	·7	2·5	3·5	6
28	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	·6	2·5†	4·7	3·3	6
29	2·8	3·7†	1·5	·2	·1	...	1·0	·6	·4	·4	·2	...	·2	·2	·3	...	...	...	...	...	...	...	...	...	11·6	9·1	16
30	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·5	4
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	6·9	5·0	3·1	2·1	1·7	3·6	3·9	4·0	2·2	4·9	1·8	2·6	4·5	1·9	0·9	0·5	0·7	3·1	6·0	2·7	4·9	6·0	7·0	9·5	89·5	74·5	
Total Duration	5·5	2·0	2·3	2·4	2·9	3·3	3·9	3·5	3·4	2·9	1·9	2·0	2·7	1·6	1·4	1·0	0·8	2·2	2·6	3·3	5·7	5·3	5·4	6·5	74·5		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

392 VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

APRIL, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	·3	·2	·3	·3	...	...	·1	·4	·1	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	1·9	5·3	4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	·9	1·1	...	·5	1·1	·6	·5	·3	...	...	5·3	6·7	4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·3	0·8	2·1	3
5	·3	1·3†	1·0	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	3·6	6
6	...	(ل)	(ل)	(·1)	(ل)	(ل)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	(ص)	(ص)	(ص)	(·1)	(ل)	(ل)	(ل)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
12	...	...	...	...	3·2†	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	0·9	22
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9†	...	...	...	...	...	0·9	0·4	10
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2†	...	...	...	...	...	...	...	0·2	0·1	9
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	·1	...	...	·3†	...	·1	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·6	8
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	(ل)	(ل)	(·1)	(ل)	(ل)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·6	·2	·6	·5	·4	·6	2·0	1·2†	·1	6·7	5·8	8
20	1·0†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·9	1·5	9
21	1·4	1·9	1·9	·9	2·6	2·9	1·0	·9	4·7†	·2	·1	...	...	...	·2	...	·4	1·4	·1	...	...	...	...	...	20·6	11·2	30
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	·6	·4	·4	2·0	·3	·6	·4	1·1	1·8	3·1	1·0	...	...	...	...	1·1†	...	...	·2	...	13·0	8·9	38
24	...	...	...	...	...	...	·3	·4	·3	·4	·1	...	...	...	...	...	...	...	·6	·1†	...	...	...	...	2·2	4·7	5
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2†	·1	...	...	0·3	0·2	6
26	...	...	...	...	...	...	...	...	·4	...	·2	...	...	...	...	...	...	...	...	...	...	...	·7†	...	1·3	0·5	25
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	·4	3·1	2·3†	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·5	3·0	8
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(ص)	(ص)	...	...	...
30	(·1)	(ص)	(ص)	(ص)	(ص)	(ص)	(ص)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
Sum	2·8	3·7	3·5	4·9	9·3	4·2	1·8	3·4	6·3	1·3	0·8	1·3	1·9	3·1	2·6	1·8	0·9	2·5	3·2	2·2	1·3	2·6	2·4	1·2	69·0	55·5	
Total Duration	hr 2·5	hr 3·3	hr 2·8	hr 3·6	hr 4·2	hr 3·0	hr 2·9	hr 3·1	hr 3·8	hr 2·0	hr 0·9	hr 1·1	hr 1·1	hr 1·0	hr 2·0	hr 1·5	hr 1·2	hr 2·7	hr 2·6	hr 1·8	hr 2·0	hr 2·5	hr 1·9	hr 2·0	hr 55·5		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

393 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

MAY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	(ح)	(ح)	(·1)	(ح)	(ح)	(ح)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(ح)	(ح)		0·1	...	...
2	(ح)	(·1)	(ح)	(ح)	(ح)	(ح)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	·4	·4	·4	·3	·2	·5	·7	·2	·5	·1	...	·2	...	...	·6	1·2†	·8	·1	...	...	6·6	11·0	14
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(ح)	(ح)	(ح)	(ح)	...	...	...
10	(·1)	(ح)	(ح)	(ح)	(ح)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
11	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
12	·6†	·8	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·4	13
13	...	...	...	...	...	...	...	·1	·2	·3	...	·5	1·0	·7†	...	...	...	...	...	...	...	...	...	...	2·8	2·5	7
14	...	(ح)	(ح)	(·1)	(ح)	(ح)	...	...	...	...	...	...	·1	·9	1·8	2·6	1·6	2·6	2·6	5·0	3·9	2·9†	2·2	·4	26·7	10·4	37
15	...	...	1·6†	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	2·6	0·3	77
16	...	...	...	...	...	...	·2	1·7	·9†	2·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	5·2	2·0	45
17	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	1
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·2	...	...	·2†	1·4	·1	·2	2·2	1·2	20
23	...	1·4†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	0·2	22
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	·4†	·2	...	...	...	...	...	...	...	...	...	0·6	0·4	10
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	·1†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	5
31	...	...	...	·2	...	·4†	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	1·1	0·5	9
Sum	0·7	2·3	2·6	0·6	0·6	0·8	0·7	2·2	1·3	3·3	0·9	0·7	1·6	2·2	2·0	2·8	1·6	2·8	3·9	6·2	4·9	4·7	2·4	0·6	52·4	31·6	
Total Duration	hr 0·1	hr 1·2	hr 1·4	hr 0·5	hr 1·0	hr 1·1	hr 1·3	hr 1·8	hr 1·2	hr 2·0	hr 1·2	hr 1·5	hr 2·2	hr 2·2	hr 1·1	hr 1·4	hr 1·0	hr 1·1	hr 1·5	hr 1·5	hr 1·8	hr 1·8	hr 1·2	hr 0·5	hr 31·6		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

394 VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

JUNE, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	·6	·2	...	·3	·2	...	1·0	·3†	...	...	...	...	...	...	...	·1	...	...	...	...	2·7	2·2	14
2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	3
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2†	...	...	1·2	0·4	8
6	·1	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·8	2·4	3
7	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	0·4	1·6	...
8	...	...	...	·2	·2	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·9	3·5	...
9	·1	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·7	·1	...	...	...	...	2·3	5·7	3
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	·6	1·5†	1·3	1·5	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·4	4·6	8
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·6	1·4	2·3	1
14	·6	...	·1	...	·1	·2	·2	·3	·6	1·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·6	5·3	9
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	·4	0·8	1·2	4
16	·1	·3	2·6	1·2	1·8	1·3	1·8	·1	·3	...	·2	·1	...	·2	...	2·2†	...	...	...	·5	...	...	...	...	12·7	7·1	36
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	·9	1·7†	...	...	2·9	1·1	74
18	...	·2†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	33
19	...	...	...	...	·2	·1	...	...	...	·5†	1·3	·4	·1	...	·3	...	...	...	...	...	...	...	...	...	2·9	2·4	12
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	·4	...	...	...	...	...	4·2†	·4	...	...	·2	...	...	...	...	...	...	...	...	...	5·2	0·9	98
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4	1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	·2†	0·4	1·1	7
29	·5	·5†	·2	·1	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	2·7	8
30	...	...	·4	1·1	...	...	...	...	...	...	·1	...	·1	·2	·1	7·6†	1·1	·3	...	...	...	...	...	...	11·0	3·7	44
Sum	1·4	1·7	4·4	4·3	4·7	3·3	2·3	1·4	1·1	2·0	7·4	1·2	0·2	0·4	0·9	9·8	1·3	1·1	0·9	0·9	1·0	3·2	0·6	1·4	56·9	48·8	
Total duration	hr 3·3	hr 3·4	hr 5·1	hr 4·6	hr 4·0	hr 2·8	hr 2·9	hr 3·7	hr 1·4	hr 1·0	hr 1·9	hr 1·2	hr 0·3	hr 1·0	hr 0·9	hr 0·7	hr 1·2	hr 1·0	hr 1·2	hr 1·1	hr 0·8	hr 1·3	hr 1·0	hr 3·0	hr 48·8		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more.)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

395 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

JULY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	·4	4·1	...	·1	...	...	·1	·1	...	...	...	1·4†	·2	·6	1·0	·4	·1	·2	...	...	·4	...	...	·3	9·4	6·1	27
2	...	·1	·5†	·1	...	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·3	1·7	8
3	·2	·2	·9†	·7	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	3·8	12
4	...	·3	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·7	4
5	...	...	·3†	...	·1	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·5	7
6	...	...	·4	1·6†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·1	18
7	...	·1	...	...	...	...	·2	4·1†	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	4·5	0·7	70
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·3	2
9	·1	...	...	·4	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·2	·3	·3†	1·4	1·4	7
10	...	...	·9	...	·1	·6	...	·2	...	·1	·1	...	·6†	1·1	...	...	...	...	...	...	...	...	·5	·4	4·6	1·6	42
11	·7†	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·7	2·6	6·6	3·0	31
12	3·1	2·1	2·2	1·3	1·0	3·8†	3·5	·3	·4	1·4	...	·4	...	...	...	...	...	...	·1	...	...	...	...	·2	19·8	9·8	27
13	...	...	...	1·0†	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·6	2·2	1·2	18
14	...	...	...	·2	·5	2·2†	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	0·6	40
15	·7	·3†	1·9	1·0	1·2	·1	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·7	4·0	14
16	...	...	...	...	...	·2	·1	·2	·2	...	...	...	...	...	...	...	...	...	...	·1	1·0	·7	·3	·5	3·3	5·3	3
17	1·3	...	...	...	...	...	...	...	·1	·8	4·4	2·2	·4	1·4	·3	3·5	5·2†	...	·4	...	...	...	...	·1	20·1	6·6	44
18	...	...	...	...	...	...	...	...	...	...	2·1†	...	...	·3	·1	...	...	...	...	...	...	...	...	...	2·5	0·3	89
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	·2†	...	...	...	...	·3	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	0·8	0·5	12
21	...	...	...	...	...	...	...	·1	·7†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·0	5
22	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	·4	·1	·1	·5†	·2	...	...	·7	2·2	3·4	9
23	·9	2·8†	·3	·2	·2	·1	·1	...	...	...	...	·1	...	...	...	·1	·3	·1	·1	...	...	·1	...	...	5·4	6·5	31
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5†	...	...	...	...	...	...	0·5	0·1	22
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·1	4
26	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	4
27	...	...	...	...	...	·4	·8	2·1	1·9†	1·3	...	...	...	...	...	...	·1	...	·3	...	...	...	...	...	6·9	4·2	16
28	...	...	...	...	...	...	...	...	·1	·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	5
29	...	...	...	·4	·9†	·7	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	0·7	18
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·2	1
31	...	·1	·5	·1	·1	·4	2·7†	·4	...	...	·2	3·5	4·9	·3	·3	...	...	...	...	...	...	...	...	...	13·5	7·6	17
Sum	7·4	11·2	8·8	7·6	4·7	8·8	7·5	8·2	3·9	3·8	6·9	7·7	6·5	3·7	1·8	4·0	6·1	0·9	1·0	0·6	1·7	1·8	3·2	6·0	123·8	74·4	
Total Duration	hr 4·4	hr 5·7	hr 7·1	hr 6·3	hr 4·8	hr 3·9	hr 4·0	hr 4·1	hr 3·6	hr 2·1	hr 1·9	hr 3·6	hr 2·0	hr 1·9	hr 1·7	hr 1·3	hr 1·9	hr 0·7	hr 0·9	hr 0·8	hr 2·1	hr 2·4	hr 2·8	hr 4·4	74·4		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

396 VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

AUGUST, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
2	·3†	·4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·6	15
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	0·3	0·2	4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	·1	·1	·1	·2	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·6†	1·0	·4	4·3	6·8	39
6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	2
8	...	...	...	·3	1·1	2·3	·5	...	...	...	...	...	...	...	...	...	·1	·5†	2·4	...	...	...	·1	·2	7·5	5·9	12
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3†	0·3	0·2	6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·1†	·3	·1	·4	·2	...	...	2·2	3·4	7
11	·6	1·1†	...	·7	·1	...	...	...	...	...	·3	·4	·1	·1	...	·4	...	...	...	...	...	·2	...	·2	4·2	2·5	38
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	0·2	0·3	1
13	...	...	·1	·1	·1	·4†	·2	·1	·4	...	...	·2	·1	...	·6	·4	·2	...	·3	·1	...	...	...	...	3·3	7·2	7
14	...	...	...	·1	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	1
15	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·3	·1	...	·1	·3	·2	...	·3	·3	2·1	5·8	4
17	·1	·1	...	...	·2	...	·2	2·9†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·6	3·0	10
18	...	...	...	...	...	·4†	...	...	·1	...	...	...	...	·2	...	...	...	·1	1·9	·8	·9	·3	2·6	2·9	10·2	5·9	21
19	2·2	1·3	·3†	·2	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3	3·4	19
20	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	1
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4	1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	(ɔ)	(ɔ)	(·1)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
29	...	(ɔ)	(ɔ)	(·1)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...	...
31	(·1)	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
Sum	3·4	2·9	0·5	1·7	1·8	3·5	1·1	3·5	0·8	...	0·5	0·6	0·2	0·4	1·0	1·1	0·8	1·7	5·0	1·4	1·9	2·5	4·0	4·4	44·7	47·1	
Total Duration	hr 2·0	hr 2·3	hr 0·6	hr 1·8	hr 3·6	hr 2·9	hr 2·0	hr 2·5	hr 1·3	...	hr 0·6	hr 0·9	hr 0·6	hr 0·8	hr 2·0	hr 1·8	hr 1·6	hr 2·1	hr 3·7	hr 2·9	hr 2·9	hr 1·8	hr 2·8	hr 3·6	hr 47·1		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

397 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

SEPTEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	1·1†	·5	...	·1	·2	·1	...	...	2·2	3·2	11
2	...	...	...	...	·7	·6	...	...	·4	·1	·1	3·1	1·4	·3	·6	·7	6·4†	·2	3·5	3·4	2·7	·9	·1	...	25·2	10·1	70
3	...	1·2†	...	...	·4	...	1·5	·9	·2	...	...	...	...	...	...	...	...	·1	...	2·0	6·3	1·4	·1	...	14·1	4·8	25
4	...	...	...	...	...	·1	...	...	...	...	·3	...	...	...	...	·3	...	·7†	·2	...	·1	...	...	...	1·7	1·6	13
5	...	...	...	...	·1	...	...	...	·1	...	1·2	...	·6†	·1	...	...	...	...	...	...	...	...	...	...	2·1	0·8	28
6	...	...	...	...	...	...	...	...	...	·2	1·5	1·7	...	·4	·4	·2	...	·3	1·7	·4	·9	1·0†	...	...	8·7	7·4	21
7	·1	...	...	·1	...	...	·2	·3	·3†	...	...	·2	·1	...	...	·3	·5	...	...	...	...	...	...	...	2·1	1·3	25
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2†	1·2	0·7	20
9	...	...	2·4†	·1	·3	·4	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	3·1	78
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	·2	·2	·2	·1	·3	1·7	5·6	1·0	·8	1·1	3·4	·7	·2	7·2†	4·1	1·3	·2	2·3	·1	...	...	...	30·7	14·5	53
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	1·0	...	...	...	...	...	...	2·7†	·3	...	...	·6	...	...	...	...	...	·2	...	...	·6	5·4	1·3	62
14	·3	...	...	·4†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(ɔ)	(ɔ)	(ɔ)	0·7	0·2	29
15	(ɔ)	(·1)	(ɔ)	(ɔ)	(ɔ)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	(ɔ)	(ɔ)	(ɔ)	(·1)	(ɔ)	0·2	...	...
16	(ɔ)	(ɔ)	(·1)	(ɔ)	(ɔ)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	(ɔ)	(ɔ)	(ɔ)	(ɔ)	(·1)	0·2	...	...
17	(ɔ)	(ɔ)	(ɔ)	(·1)	(ɔ)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(ɔ)	(ɔ)	(ɔ)	0·1	...	...
18	(·1)	(ɔ)	(ɔ)	(ɔ)	(ɔ)	(ɔ)	(ɔ)	...	·1	·1	·4	...	...	...	...	...	...	...	...	...	...	...	·2	·2	1·1	2·4	4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·1	3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	0·3	0·3	4
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(ɔ)	(ɔ)	(ɔ)	(ɔ)	(·1)	0·1	...	...
22	(ɔ)	(ɔ)	(ɔ)	(ɔ)	(·1)	(ɔ)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	·1	·6	...	·4	·3	·3	·1	·3	1·2	...	...	...	...	...	...	...	...	...	...	·8	2·2†	·1	...	6·4	3·9	15
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡)	(≡)	(≡)	(·1)	(≡)	0·1	...	...
26	(≡)	(·1)	(≡)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
27	...	(ɔ)	(ɔ)	(·1)	(ɔ)	(·1)	(ɔ)	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·3	0·1	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	0·5	1·5	3·3	2·0	2·3	1·6	2·5	3·0	7·1	2·6	7·0	6·4	5·5	1·5	1·8	8·7	12·1	3·3	5·8	8·2	11·3	5·6	0·8	2·2	106·6	55·8	
Total Duration	hr 0·2	hr 0·5	hr 1·6	hr 1·2	hr 2·3	hr 2·5	hr 2·2	hr 1·6	hr 3·0	hr 2·4	hr 3·6	hr 3·5	hr 2·2	hr 1·6	hr 2·6	hr 2·5	hr 2·7	hr 3·3	hr 3·3	hr 3·8	hr 4·1	hr 2·6	hr 1·1	hr 1·4	hr 55·8		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

398 VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

OCTOBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·9†	·1	·1	·6	·5	·3	·6	4·3	4·8	27
4	·4	...	...	...	...	...	·4	·3	1·2	·7	...	...	·2	...	...	...	...	·1	1·2	·7	1·5†	...	...	...	6·7	4·0	54
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·8†	·5	·7	·3	·1	3·1	4·5	11
14	·4	...	·2	·6	·5	...	·2	·1	·3	...	·2	·4	·4	1·2†	...	·4	...	·3	(...)	(...)	(·1)	(...)	(...)	(·1)	5·4	6·8	6
15	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	·6†	...	...	...	...	...	...	...	...	...	...	...	0·6	0·3	5
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	·7	1·0†	·2	...	...	...	...	...	...	...	...	...	...	...	1·9	1·5	27
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·2	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·7	4
22	...	...	...	...	...	...	·1	·4	·5	·2	...	...	·1	...	...	...	·2	...	...	·1	...	...	...	1·0†	2·6	2·0	10
23	7·0†	3·3	·4	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	1·2	...	...	12·6	4·6	44
24	...	...	·3	·2	...	...	...	...	...	...	...	...	·1	...	...	·1	·6	·1	...	·8	...	·2	...	·5†	2·9	1·8	45
25	·1	·6	...	...	...	·5	·7	·7	·2	·1	·1	1·0	...	...	...	...	...	·1	·2	...	·9	·8	1·7	2·1†	9·8	4·8	37
26	2·0	1·2	·3	...	·5	·1	·2	·1	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	·2†	...	4·8	4·8	14
27	...	...	...	·1	...	...	...	1·0	...	·9	·4	...	...	...	...	...	...	·9†	·5	...	·2	...	...	...	4·0	1·1	29
28	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·3†	·5	·5	1·2	·6	·3	3·8	6·7	7
29	·4	·8	2·5†	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	·4	·6	...	·1	...	...	...	5·8	5·4	15
30	...	...	...	·1†	1·0	·2	...	·2	...	...	...	...	·2	·8	1·9	·7	1·7	·6	·3	...	...	...	·2	...	7·9	8·0	12
31	...	...	·1	...	...	...	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·4	0·3	11
Sum	10·3	5·9	3·9	2·3	2·3	0·8	1·6	2·8	2·4	1·9	2·3	2·4	1·8	2·2	1·9	1·2	2·8	4·6	3·9	3·1	4·4	4·6	3·4	4·7	77·5	62·1	
Total Duration	hr 4·7	hr 2·9	hr 3·5	hr 2·9	hr 3·2	hr 0·9	hr 1·9	hr 2·4	hr 2·1	hr 0·8	hr 1·7	hr 1·3	hr 1·9	hr 1·8	hr 1·0	hr 1·4	hr 2·5	hr 3·7	hr 3·7	hr 2·9	hr 3·9	hr 4·4	hr 3·7	hr 2·9	hr 62·1		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

399 VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

NOVEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·1	·2	·3	·1	...	·3	·2	·1	·1	...	2·1	6·5	3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2†	·5	·4	·1	1·1	...	...	·5	...	·6	3·4	4·1	8
3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	4
4	...	...	·4	·1	...	...	1·8	...	...	·3	4·4†	·9	·5	...	...	...	...	·7	·3	...	...	...	...	·3	9·7	4·4	54
5	...	...	·6†	·6	·4	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·4	...	...	...	·6	3·4	1·1	22
6	1·2	3·4	3·7	1·1	·3	·4	1·0	1·2	1·0	·3	...	·2	...	·1	...	1·3	·4	·5	·2	...	...	·6	·8†	·4	18·1	9·5	40
7	·7	3·8	...	1·0	·7	·3	·1	·1	·2	·2	·1	1·6†	1·6	1·4	·7	·6	1·4	...	·7	·1	...	...	...	...	15·3	8·3	40
8	·1	·3	...	·1	·1	·9	·9	·3	·1	...	...	·1	·3	·1	·2	1·9	1·8†	1·1	...	...	·3	...	·4	...	9·0	5·3	24
9	·4	...	·7	·4	...	·3	·4	...	...	·7	·1	...	...	·4	·4	·1	·2	·8†	...	...	...	...	...	...	4·9	1·9	40
10	...	...	·2	...	·1	·3	...	...	·1	·1	·2	·4†	...	·1	...	...	...	...	...	...	...	...	...	...	1·5	0·8	21
11	·1	·2	1·4	2·2	3·7	1·5	·4	5·6	5·0	5·4	·4	...	...	...	2·5†	·1	·2	...	...	·1	...	·2	·2	·2	29·4	10·6	32
12	...	...	...	·1	·4	·3	·3	...	·3	·5	...	...	...	...	...	·3	·9	·9†	...	...	...	...	...	...	4·0	4·4	27
13	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·3	·3†	...	...	...	...	...	...	...	...	2·3	1·5	17
14	...	...	·7†	·8	...	·1	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	·4	·6	...	...	·1	3·0	1·2	20
15	...	...	...	...	·2†	...	...	...	·1	...	...	·1	1·0	·5	·1	...	...	...	...	...	...	·2	·3	·1	2·6	4·2	9
16	...	·6	·7	1·1	1·5	·9	·8	·1	·6	...	·3	1·2	3·6†	·2	·3	1·0	·1	·2	·4	·5	·1	...	...	·1	14·3	11·9	15
17	·2	·1	...	·3	...	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·8	2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	·2	·7	3·0	·5	...	...	·5	·6†	...	...	...	·3	·2	...	...	·1	...	6·1	2·6	11
24	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
25	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·7	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	...	·1	·1	0·4	0·5	4
28	...	·3	·1	...	...	·2	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·0	4
29	...	·3	·2	·5	·5	·1	...	·1	1·9†	1·7	·3	...	...	...	·1	·1	...	...	·1	·1	·1	...	...	...	6·1	8·4	5
30	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·8	...
Sum	2·9	9·1	8·8	8·4	8·1	5·6	5·8	7·9	10·4	12·2	6·3	4·5	7·3	4·4	6·5	6·4	5·8	4·5	3·8	2·1	1·4	1·6	2·0	2·5	138·3	92·2	
Total Duration	hr 2·3	hr 4·6	hr 4·1	hr 5·2	hr 5·2	hr 5·3	hr 5·6	hr 4·4	hr 5·5	hr 3·9	hr 2·7	hr 3·0	hr 3·5	hr 4·1	hr 4·7	hr 5·1	hr 5·7	hr 2·8	hr 3·7	hr 2·5	hr 2·1	hr 2·1	hr 2·1	hr 2·0	hr 92·2		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

400 VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

DECEMBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2†	...	0·4	0·5	5
3	·1	...	...	...	...	...	...	...	·1	·2	·2	...	...	...	·3	·6	...	...	...	·5	·4	...	...	...	2·4	2·1	1
4	·1	...	...	...	...	...	...	·2	...	·1	...	...	...	...	·5	·1	·5†	...	·1	·2	·2	...	·3	·3	2·6	1·4	18
5	·1	·5	·9	·5	...	...	·4	·5	·3	·1	·7	·6	...	...	...	...	1·1†	...	·1	...	·1	...	...	·1	6·0	2·8	21
6	...	·1†	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	5
7	...	·1	·2	·8	2·0	1·9†	1·1	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·5	6·4	7
8	...	...	...	...	...	...	·1	·8	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·4	4
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	·2	·3	·3	·4	·4	·3	·3	·3	·7	·8	·6	·5	·3	·6	6·0	13·4	4
11	·3	·6	1·0	·4	1·1	·7	3·7†	·8	1·5	·6	...	...	...	...	·1	...	...	·1	...	...	...	...	·3	...	11·2	9·4	11
12	·1	·7	·1	...	...	...	·2	...	·1	·1	·1	·1	·9†	...	·1	...	...	·4	...	·1	...	·2	...	·1	3·3	2·0	19
13	...	...	...	·2	...	·1	...	·1	1·5	1·0	1·0	2·1†	3·1	2·8	3·7	3·7	1·5	3·2	5·5	1·4	·5	...	·3	1·1	32·8	13·7	13
14	1·3	·8	1·1	·2	·8	·1	...	...	...	4·1†	1·2	...	3·3	3·0	1·8	...	...	...	...	...	·2	...	·1	...	18·0	8·3	10
15	·4	...	1·4	·3	...	·2	...	...	...	...	...	...	·5†	...	1·8	2·4	2·7	2·2	2·9	2·4	·3	...	...	·9	18·4	7·8	9
16	·5	·3	...	...	·5	·2	...	·3	·2	...	·6†	·2	·1	...	·3	...	·2	·1	...	...	...	...	...	...	3·5	2·0	9
17	·1	...	·2	1·2	·6	·4	3·3	2·3	·8	1·2†	1·6	...	...	...	...	...	...	...	...	...	...	·7	...	...	12·4	6·5	10
18	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5†	...	·9	·1	...	·4	·2	...	2·5	0·8	6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·2	...	...	...	...	...	...	·3	·3	·2	·3	·3	...	...	·3	·3	·3	·7	3·2	7·5	4
21	·5	·4	1·1	·5	·9	1·3	·9	1·6	·4	2·4	2·4†	1·3	1·0	·3	1·7	·9	1·0	1·3	·8	1·9	1·0	1·5	·6	·1	25·8	1·8	30
22	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	·7	1·1†	...	·5	2·6	0·6	27
23	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·2†	·2	...	...	...	...	...	0·5	0·3	6
24	...	...	...	·4†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·1	7
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	·1	·1	·2	·2	·4	·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	3·7	4
27	·2†	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·6	0·7	6
28	...	...	...	...	...	...	...	...	...	·2	1·5†	·2	·2	...	...	...	...	...	...	...	...	...	·1	·2	2·4	1·9	7
29	...	·5	·4	·6	...	...	...	...	...	...	...	...	·2	...	·2	·5†	...	...	...	...	...	...	...	...	2·4	1·6	19
30	...	...	...	...	...	...	·2	...	·3	1·2	·4	·1	·1	·1	...	...	...	...	...	...	...	·6	·1†	...	3·1	3·0	9
31	·5	·2	·1	4·6	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	2·0	·1	·8	...	1·4†	10·2	2·6	34
Sum	4·2	4·9	6·6	9·9	6·2	5·3	10·5	7·3	5·8	11·3	10·2	4·9	9·7	6·9	11·2	8·7	8·1	8·6	11·3	9·4	4·4	6·3	2·8	6·0	130·5	123·5	
Total Duration	hr 4·3	hr 5·8	hr 5·5	hr 5·9	hr 5·2	hr 5·2	hr 5·9	hr 6·2	hr 6·5	hr 5·3	hr 6·5	hr 3·8	hr 4·7	hr 4·5	hr 5·7	hr 5·5	hr 5·7	hr 5·3	hr 4·6	hr 5·4	hr 4·2	hr 3·8	hr 3·8	hr 4·2	hr 123·5		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24			

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

DURATION OF BRIGHT SUNSHINE

For periods of sixty minutes, between the exact hours of Local Apparent Time

401 VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12·8 metres

JANUARY, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	--	...	...	...	...	...	·3	·1	...	--	--	--	--	--	0·4	5
2	--	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·5	...	--	--	--	--	--	5·3	68
3	--	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	5·7	73
4	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
7	--	--	--	--	--	...	·3	·2	...	...	...	...	...	--	--	--	--	--	0·5	6
8	--	--	--	--	--	...	...	·6	·4	·5	...	...	...	--	--	--	--	--	1·5	19
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
10	--	--	--	--	--	...	·4	·6	·5	·9	·5	·3	...	--	--	--	--	--	3·2	40
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	..
12	--	--	--	--	--	...	...	...	...	·4	·4	...	...	--	--	--	--	--	0·8	10
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
16	--	--	--	--	...	...	...	1·0	·6	·6	·5	...	...	...	--	--	--	--	2·7	33
17	--	--	--	--	...	...	...	·7	·9	...	...	...	...	...	--	--	--	--	1·6	19
18	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
20	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
21	--	--	--	--	...	...	·1	·1	...	...	...	·1	...	...	--	--	--	--	0·3	4
22	--	--	--	--	...	·1	1·0	·7	·7	...	...	·2	·4	...	--	--	--	--	3·1	37
23	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	·1	...	--	--	--	--	0·1	1
26	--	--	--	--	...	...	·2	·2	...	...	...	...	...	...	--	--	--	--	0·4	5
27	--	--	--	--	...	...	·4	·1	·8	·1	·4	·2	·1	...	--	--	--	--	2·1	24
28	--	--	--	--	...	...	·6	...	...	...	...	...	...	...	--	--	--	--	0·6	7
29	--	--	--	--	...	·3	·7	·6	·3	·1	...	...	...	...	--	--	--	--	2·0	23
30	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1
31	--	--	--	--	...	...	·3	·6	·8	·9	·8	·4	...	...	--	--	--	--	3·8	42
Sum	--	--	--	--	...	0·4	5·8	7·4	7·0	5·5	4·9	2·7	0·6	...	--	--	--	--	34·3	
Mean	--	--	--	--	...	·01	·19	·24	·23	·18	·16	·09	·02	...	--	--	--	--	1·11	13

402 VALENTIA OBSERVATORY: H_s = 12·8 metres

FEBRUARY, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	...	...	·1	...	·1	·2	·2	...	...	...	--	--	--	--	0·6	7
2	--	--	--	--	...	·1	·1	·6	·6	·7	1·0	·3	·1	...	--	--	--	--	3·5	39
3	--	--	--	--	...	·6	1·0	1·0	1·0	·7	1·0	1·0	·1	...	--	--	--	--	6·4	70
4	--	--	--	--	...	...	·2	...	...	...	...	...	...	...	--	--	--	--	0·2	2
5	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
7	--	--	--	--	...	·1	·9	1·0	1·0	1·0	1·0	·8	...	...	--	--	--	--	5·8	62
8	--	--	--	--	...	...	·7	·8	1·0	1·0	1·0	·5	...	...	--	--	--	--	5·0	53
9	--	--	--	--	...	·1	...	...	·8	·7	...	...	...	...	--	--	--	--	1·6	17
10	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
12	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
14	--	--	--	--	...	(·3)	(·4)	(·6)	(·5)	(·7)	(·9)	(·5)	(·4)	...	--	--	--	--	(4·3)*	44
15	--	--	--	--	...	...	·6	·6	·7	·2	·7	1·0	·9	...	--	--	--	--	4·7	48
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
17	--	--	--	--	...	...	...	·4	·2	·4	1·0	·4	·3	...	--	--	--	--	2·7	27
18	--	--	--	...	...	...	...	...	...	...	·1	...	...	...	--	--	--	--	0·1	1
19	--	--	--	...	...	...	·5	·6	·8	1·0	·5	·8	·3	·3	...	--	--	--	4·8	47
20	--	--	--	...	·1	1·0	1·0	·9	·9	·4	·4	...	·1	·3	...	--	--	--	5·1	50
21	--	--	--	...	·1	·7	·7	1·0	·4	·6	·8	·7	1·0	·8	...	--	--	--	6·8	66
22	--	--	--	...	...	·1	...	·8	·8	·9	·6	·1	1·0	·3	...	--	--	--	4·6	45
23	--	--	--	...	...	·7	...	·1	...	·4	·6	·3	·1	...	...	--	--	--	2·2	21
24	--	--	--	...	...	·3	·2	·1	·1	·5	1·0	1·0	1·0	·3	...	--	--	--	4·5	43
25	--	--	--	...	...	·6	·2	...	·1	·1	...	·3	·1	...	...	--	--	--	1·4	13
26	--	--	--	...	...	...	...	·1	·6	...	·1	·2	·2	...	...	--	--	--	1·2	11
27	--	--	--	...	...	...	·5	·2	·1	·1	·4	·4	·5	...	...	--	--	--	2·2	21
28	--	--	--	...	...	...	·4	...	...	...	·3	·3	·1	...	...	--	--	--	1·1	10
29	--	--	--	...	...	...	·7	·3	·5	·2	·7	·2	·5	...	...	--	--	--	3·1	29
Sum	--	--	--	...	0·2	4·6	8·2	9·1	10·2	9·8	12·3	8·8	6·7	2·0	...	--	--	--	71·9	
Mean	--	--	--	...	·01	·16	·28	·31	·35	·34	·42	·30	·23	·07	...	--	--	--	2·48	25
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

*Values interpolated: sphere out of position.

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

403 VALENTIA OBSERVATORY: H_S (height of recorder above ground) = 12·8 metres — MARCH, 1936

Hour L. A.T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	...	...	...	...	...	...	·1	...	...	·1	...	...	--	--	--	0·2	2
2	--	--	--	...	...	...	·9	·5	·6	·6	·8	1·0	·7	·1	...	--	--	--	5·2	48
3	--	--	--	...	...	...	...	...	·2	...	...	·1	...	...	...	--	--	--	0·3	3
4	--	--	--	...	...	...	...	...	...	...	...	...	·1	...	...	--	--	--	0·1	1
5	--	--	--	...	...	...	·3	·6	·6	·4	·3	·2	·4	...	...	--	--	--	2·8	25
6	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
7	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
8	--	--	--	...	...	...	...	·1	·6	·7	·4	·4	·7	·3	...	--	--	--	3·2	28
9	--	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	--	--	--	8·9	79
10	--	--	--	...	·6	1·0	1·0	1·0	1·0	·7	1·0	1·0	1·0	·5	...	--	--	--	8·8	77
11	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	...	--	--	--	7·8	68
12	--	--	--	...	...	...	...	...	·4	·4	·7	1·0	·6	·6	...	--	--	--	3·7	32
13	--	--	--	...	...	...	·5	·1	·2	·1	...	...	...	...	...	--	--	--	0·9	8
14	--	--	--	...	·1	1·0	1·0	·9	·5	·5	...	·1	·6	·4	...	--	--	--	5·1	44
15	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	8·2	70
16	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	9·4	80
17	--	--	--	...	...	·4	1·0	1·0	·9	·8	·7	·1	...	...	...	--	--	--	4·9	41
18	--	--	--	...	...	...	·1	...	·2	·1	...	...	...	...	...	--	--	--	0·4	3
19	--	--	--	...	...	...	·2	·2	·2	·1	·1	...	...	...	...	--	--	--	0·8	7
20	--	--	--	...	...	...	...	·1	·1	·5	·6	1·0	·7	·8	...	--	--	--	3·8	32
21	--	--	...	...	...	·1	·4	·8	·7	·8	·1	...	...	...	...	...	--	--	2·9	24
22	--	--	...	...	...	·1	·2	...	...	·1	...	·4	·1	·1	...	...	--	--	1·0	8
23	--	--	...	...	·9	·7	1·0	1·0	·9	·9	1·0	·7	·1	...	...	...	--	--	7·2	59
24	--	--	...	·1	1·0	1·0	1·0	·5	·3	·1	...	...	...	...	...	...	--	--	4·0	33
25	--	--	...	·2	·1	·8	·8	·5	1·0	·9	·8	·6	·9	·9	...	...	--	--	7·5	61
26	--	--	...	...	·1	·1	·6	·2	...	...	...	...	...	...	...	...	--	--	1·0	8
27	--	--	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	--	--	0·3	2
28	--	--	...	...	·4	·8	·2	...	...	...	...	...	...	...	...	...	--	--	1·4	11
29	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
30	--	--	...	·2	·4	·1	·8	·8	1·0	·5	·3	...	·1	...	...	...	--	--	4·2	33
31	--	--	...	...	...	...	·2	1·0	·8	·7	·5	...	...	...	...	...	--	--	3·2	25
Sum	--	--	...	0·5	6·1	10·1	14·2	13·3	14·2	13·0	11·3	10·9	8·9	4·7	...	...	--	--	107·2	
Mean	--	--	...	·02	·20	·33	·46	·43	·46	·42	·36	·35	·29	·15	...	...	--	--	3·46	29

404 VALENTIA OBSERVATORY: H_S = 12·8 metres — APRIL, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
2	--	--	...	...	...	...	...	...	·4	·6	·6	1·0	1·0	·9	·1	...	--	--	4·6	36
3	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
4	--	--	...	...	·1	·9	1·0	·2	1·0	·8	·2	...	·2	...	...	...	--	--	4·4	34
5	--	--	...	...	·6	·8	·9	·7	·1	1·0	1·0	·9	·5	·2	...	...	--	--	6·7	51
6	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	11·0	84
7	--	--	...	...	·3	·2	·2	...	...	·1	...	...	...	...	·1	...	--	--	0·9	7
8	--	--	...	...	...	·4	·6	·3	·9	·3	·2	·2	...	·1	...	...	--	--	3·0	23
9	--	--	...	·7	1·0	1·0	·4	·3	·1	·8	·2	...	...	·4	...	...	--	--	4·9	37
10	--	--	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	11·5	86
11	--	--	...	·7	·9	1·0	1·0	1·0	·9	·9	·6	·3	·1	...	...	...	--	--	7·4	55
12	--	--	...	...	·1	1·0	1·0	1·0	·4	·3	·2	·1	·2	...	...	...	--	--	4·3	32
13	--	--	·1	1·0	1·0	·7	·1	·5	·9	·6	·1	·1	...	...	...	...	--	--	5·1	37
14	--	--	·2	1·0	·8	1·0	1·0	1·0	1·0	1·0	·2	1·0	·1	·6	·8	...	--	--	9·7	71
15	--	--	...	...	·5	·9	1·0	·9	·8	·8	·1	·5	·9	...	...	·1	--	--	6·5	47
16	--	--	...	·2	·5	·3	1·0	·7	·6	·5	·7	1·0	1·0	1·0	·9	·5	--	--	8·9	64
17	--	--	·2	·7	·7	·9	·6	·9	1·0	1·0	1·0	1·0	·9	1·0	1·0	·5	--	--	11·4	82
18	--	--	·2	·3	...	·6	·1	...	...	·8	1·0	1·0	·4	·2	·1	...	--	--	4·7	34
19	--	--	·5	1·0	1·0	1·0	·9	·7	·7	...	...	...	...	...	...	...	--	--	5·8	41
20	--	...	...	...	...	·5	·7	·3	·4	·7	·4	·6	1·0	·7	...	...	...	--	5·3	38
21	--	...	...	...	...	...	...	·2	...	...	...	...	...	...	·1	...	...	--	0·3	2
22	--	...	·1	·9	·1	·5	1·0	1·0	1·0	·9	·5	...	...	...	...	...	...	--	6·0	42
23	--	...	...	...	...	...	...	...	...	...	...	·3	1·0	·3	·1	·2	...	--	1·9	13
24	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
25	--	...	...	...	·1	...	·2	·6	·9	·9	1·0	1·0	·8	1·0	·8	·1	...	--	7·4	51
26	--	...	...	...	·1	·9	·7	·5	·8	1·0	1·0	·7	·9	·4	·4	·1	...	--	7·5	52
27	--	...	...	...	...	...	·1	·3	1·0	1·0	·6	·7	·5	·4	·7	...	...	--	5·3	37
28	--	...	...	...	...	·8	1·0	·4	·4	·9	1·0	1·0	1·0	1·0	·5	...	...	--	8·0	55
29	--	...	...	·2	·6	·4	...	...	·4	·9	·7	1·0	1·0	1·0	1·0	·2	...	--	7·4	51
30	--	...	...	·1	·1	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	--	9·7	66
Sum	--	...	1·3	8·0	10·5	15·9	16·5	14·5	16·7	18·8	14·3	15·4	14·5	12·2	8·9	2·1	...	--	169·6	
Mean	--	...	·04	·27	·35	·53	·55	·48	·56	·63	·48	·51	·48	·41	·30	·07	...	--	5·65	41
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

DURATION OF BRIGHT SUNSHINE

For periods of sixty minutes, between the exact hours of Local Apparent Time

405 VALENTIA OBSERVATORY: H_S (height of recorder above ground) = 12·8 metres — MAY, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	...	...	·8	·2	...	·6	·2	·5	·7	1·0	1·0	1·0	1·0	1·0	·3	...	--	8·3	56
2	--	...	·4	1·0	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	12·5	84
3	--	...	·4	·7	·7	·8	1·0	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	...	...	--	11·2	75
4	--	...	...	...	·2	·8	·8	·1	·7	·8	·7	·2	·1	·6	·1	...	...	--	5·1	34
5	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
6	--	...	·1	·6	·4	·2	·1	...	·1	·2	·6	·5	1·0	1·0	1·0	1·0	·1	--	6·9	46
7	--	...	·1	·5	·4	...	...	...	·1	...	...	...	...	...	...	...	...	--	1·1	7
8	--	...	·6	·7	·8	·2	·1	·9	1·0	1·0	1·0	·9	·7	·2	...	...	...	--	8·1	53
9	--	...	...	...	·7	·9	·6	·4	·8	·9	1·0	1·0	1·0	1·0	1·0	·2	...	--	9·5	62
10	--	...	...	...	...	...	·1	·7	·6	·1	·2	...	...	·2	...	...	...	--	1·9	12
11	--	...	...	...	...	...	...	·7	·6	·3	·5	·9	...	...	...	...	...	--	3·0	20
12	--	...	·2	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	12·6	82
13	--	...	...	...	...	...	...	...	...	...	·3	1·0	1·0	1·0	·6	·6	...	--	4·5	29
14	--	·1	·8	·9	·7	1·0	·6	...	...	...	...	...	...	...	...	...	...	--	4·1	26
15	--	...	·1	·8	1·0	·9	·8	1·0	1·0	1·0	1·0	1·0	·9	1·0	·6	1·0	·1	--	12·2	78
16	--	·1	·3	·1	·3	...	·3	·6	·6	·7	·4	1·0	1·0	1·0	1·0	1·0	·2	--	8·4	54
17	--	...	...	·7	·2	·6	·6	·4	·3	·2	·4	·9	1·0	1·0	1·0	1·0	·4	--	8·7	56
18	--	...	·6	·2	·7	1·0	1·0	·9	1·0	·6	·2	·1	...	·3	1·0	·8	...	--	8·4	53
19	--	...	·2	1·0	1·0	1·0	1·0	·9	·2	·1	·1	...	·7	·9	1·0	·5	...	--	8·6	55
20	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	...	--	13·8	87
21	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	--	14·5	91
22	--	...	·1	...	·1	·3	...	...	·1	·1	·2	·1	·4	...	...	...	...	--	1·4	9
23	--	·1	·7	·5	·3	·5	·2	...	·3	·8	1·0	·1	...	...	...	...	...	--	4·5	28
24	--	...	...	...	...	...	...	...	·2	...	...	·1	...	·3	·5	·7	...	--	1·8	11
25	--	...	...	·1	·1	...	...	...	·5	·5	·6	·4	·6	·9	·7	1·0	·2	--	5·6	35
26	--	·3	1·0	1·0	1·0	1·0	1·0	·7	·4	·2	·3	·1	·2	...	...	...	...	--	7·2	45
27	...	...	...	...	...	·9	1·0	1·0	1·0	·8	...	·7	·9	1·0	·9	1·0	·4	...	9·6	60
28	...	·1	·1	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	·9	1·0	1·0	·3	...	13·3	82
29	...	·6	1·0	1·0	1·0	·6	...	...	...	...	·1	...	·3	·2	·3	...	...	...	5·1	32
30	...	·3	·7	·6	·5	·7	·3	·6	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	11·7	72
31	...	...	·5	·8	·3	·6	·9	·5	·5	1·0	1·0	1·0	·8	·8	·5	...	...	...	9·2	57
Sum	...	2·0	9·9	15·9	15·3	16·9	16·0	15·3	17·0	17·0	17·6	18·0	18·6	19·3	18·1	13·5	2·4	...	232·8	
Mean	...	·06	·32	·51	·49	·55	·52	·49	·55	·55	·57	·58	·60	·62	·58	·44	·06	...	7·51	48

406 VALENTIA OBSERVATORY: H_S = 12·8 metres — JUNE, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	...	...	...	...	...	...	·2	·2	·4	1·0	·3	·4	·3	·4	·5	·6	·5	...	4·8	29
2	...	...	...	·6	·5	·7	...	·8	·2	·6	·9	1·0	1·0	1·0	1·0	·7	...	...	9·0	55
3	...	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	15·0	92
4	...	...	·3	·3	·5	·6	·7	...	...	·8	1·0	1·0	1·0	·6	...	·4	·9	...	8·1	49
5	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·3	...	...	...	...	...	...	9·8	60
6	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	14·5	88
11	...	...	...	...	...	...	·2	·4	·7	·6	1·0	1·0	·7	·9	·4	·2	...	...	6·1	37
12	...	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	13·1	79
13	...	...	·4	·9	·3	·3	·8	1·0	1·0	1·0	·9	·1	...	...	...	...	...	...	6·7	40
14	...	...	...	...	...	...	...	·5	·7	·9	·7	·4	·6	·7	·9	·4	...	...	5·8	35
15	...	...	·1	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	0·4	2
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	·2	...	0·8	5
17	...	·6	·9	1·0	·8	·1	·4	...	...	...	...	·6	1·0	·7	·2	·9	·2	...	7·4	44
18	...	·4	...	·7	1·0	1·0	1·0	·8	1·0	1·0	1·0	·9	·7	·9	·4	...	...	...	10·8	65
19	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	0·2	1
20	...	...	...	...	...	...	...	...	·1	·7	1·0	·9	·8	·7	1·0	·7	...	...	5·9	35
21	...	...	...	·2	·2	...	...	...	...	...	·1	·6	·9	·9	1·0	·8	...	...	4·7	28
22	...	...	...	...	...	·5	1·0	·3	...	·7	·3	·8	·2	1·0	1·0	·8	...	...	6·6	40
23	...	...	...	·6	...	...	·2	·5	·6	·8	·5	·7	·4	...	...	...	...	...	4·3	26
24	...	...	...	...	...	...	...	...	...	...	·1	·5	·2	·9	1·0	1·0	·9	...	4·6	28
25	...	·1	·5	·6	1·0	1·0	1·0	1·0	1·0	·8	·7	...	·5	·5	...	...	...	...	8·7	52
26	...	·6	·9	·7	·6	·6	·2	·1	·1	...	·8	1·0	·9	·9	1·0	·2	...	...	8·6	52
27	...	·2	·3	...	1·0	·5	·3	·2	·1	·1	...	...	...	...	...	...	...	...	2·7	16
28	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	...	...	...	0·2	1
29	...	...	·2	·1	...	·1	·1	·2	·4	·3	·8	·3	·2	...	...	...	...	...	2·7	16
30	...	...	·1	·1	·1	...	...	...	·1	...	...	...	...	...	...	·6	·1	...	1·1	7
Sum	...	3·1	6·6	9·2	10·0	9·6	10·2	10·0	10·5	13·4	13·8	13·5	12·5	13·2	12·0	10·4	4·7	...	162·7	
Mean	...	·10	·22	·31	·33	·32	·34	·33	·35	·45	·46	·45	·42	·44	·40	·35	·16	...	5·42	33
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

DURATION OF BRIGHT SUNSHINE

For periods of sixty minutes, between the exact hours of Local Apparent Time

407 VALENTIA OBSERVATORY: H_S (height of recorder above ground) = 12·8 metres — JULY, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	0·6	4
3	...	...	...	...	·1	...	·2	·7	·9	1·0	1·0	1·0	1·0	·8	·8	·7	...	...	8·2	50
4	...	...	...	...	·1	...	...	·2	·9	1·0	·7	·8	1·0	1·0	1·0	·9	·1	...	7·7	47
5	...	...	...	...	...	...	...	...	·2	·2	·7	...	...	...	...	...	...	...	1·1	7
6	...	...	...	·7	·3	·4	...	...	...	...	...	...	...	·1	...	...	...	...	1·5	9
7	...	...	·2	...	...	...	·5	·8	1·0	1·0	1·0	1·0	·8	·4	·8	·8	·2	...	8·5	52
8	...	·1	·7	·5	·1	·8	1·0	1·0	1·0	1·0	1·0	1·0	·5	·2	·1	...	...	...	9·0	55
9	...	...	·5	·1	·7	·6	·8	1·0	·9	1·0	1·0	1·0	1·0	·9	·3	·8	·2	...	10·8	66
10	...	...	·1	·4	·1	·7	·7	1·0	·9	·5	·9	1·0	1·0	·7	·6	·3	...	...	8·9	54
11	...	...	...	...	...	·1	...	·2	...	...	...	·5	·7	·7	·1	...	...	...	2·3	14
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	·2	·5	·4	·4	1·0	1·0	·8	1·0	·8	·9	1·0	·7	·2	·1	...	...	9·0	55
14	...	...	...	·1	·4	...	...	...	·1	...	...	...	·1	·3	·2	...	...	...	1·2	7
15	...	...	...	...	·9	·6	1·0	·4	·9	·7	1·0	1·0	1·0	1·0	1·0	·4	...	...	9·9	61
16	...	...	...	...	...	·1	·2	·7	·3	1·0	·6	·5	...	...	...	...	...	...	3·4	21
17	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	·1	...	...	...	0·3	2
18	--	...	...	·1	·1	·2	·3	·4	·2	...	...	...	...	·1	...	...	...	--	1·4	9
19	--	...	·2	·9	1·0	1·0	·8	·9	1·0	1·0	1·0	1·0	1·0	·6	·3	·1	·2	--	11·0	69
20	--	...	...	...	...	...	·3	·8	·2	1·0	·2	·1	·1	·2	...	...	...	--	2·9	18
21	--	...	...	...	...	...	·2	...	...	·1	...	...	·2	1·0	1·0	1·0	·3	--	3·8	24
22	--	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	--	0·1	1
23	--	...	·1	...	...	...	...	...	·7	·3	·6	·1	...	...	...	...	...	--	1·6	11
24	--	...	...	...	...	...	...	1·0	1·0	1·0	·8	1·0	·9	·6	·9	1·0	...	--	8·2	52
25	--	...	...	...	·6	1·0	·7	·7	·8	1·0	1·0	1·0	1·0	·8	·6	·1	...	--	9·3	59
26	--	...	...	...	...	...	·7	·9	·7	...	·5	1·0	1·0	1·0	1·0	·6	...	--	7·4	47
27	--	...	...	...	...	...	·7	·9	1·0	1·0	1·0	1·0	·2	...	...	...	...	--	5·8	37
28	--	...	·1	·1	...	·1	...	·1	·8	·6	·2	·1	·9	1·0	1·0	1·0	·1	--	6·1	39
29	--	...	...	...	...	·1	·2	...	·9	·5	·6	·1	·7	·9	·9	·7	...	--	5·6	36
30	--	...	·1	·3	·1	·2	·7	·4	·2	...	...	...	...	...	...	...	...	--	2·0	13
31	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
Sum	...	0·1	2·2	3·7	4·9	6·4	10·0	13·1	15·5	14·9	14·7	14·1	14·3	13·4	10·9	8·5	1·1	...	147·8	
Mean	...	·00	·07	·12	·16	·21	·32	·42	·50	·48	·47	·45	·46	·43	·35	·27	·04	...	4·77	30

408 VALENTIA OBSERVATORY: H_S = 12·8 metres — AUGUST, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	...	...	...	...	...	...	·2	·9	...	...	·1	...	...	...	...	...	--	1·2	8
2	--	...	...	...	...	...	...	...	...	...	...	·4	·7	·7	1·0	·3	...	--	3·1	20
3	--	...	...	·1	·1	·1	·2	·3	·2	·8	·9	1·0	·7	·9	1·0	·4	...	--	6·7	44
4	--	...	...	...	·1	...	...	...	...	·7	·3	·8	·4	·3	...	...	...	--	2·6	17
5	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
6	--	...	...	·1	·1	·3	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	9·6	63
7	--	...	·3	·7	·9	1·0	1·0	·1	1·0	1·0	·2	...	...	...	...	...	...	--	6·2	41
8	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
9	--	...	·7	·3	·5	·1	...	...	·2	·3	·4	1·0	·5	...	...	·1	...	--	4·1	27
10	--	...	...	...	...	·1	·1	·6	·8	·8	...	...	...	...	...	...	...	--	2·4	16
11	--	...	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	--	0·7	5
12	--	...	·1	·8	·7	·2	1·0	1·0	·7	1·0	·7	...	...	...	...	...	...	--	6·2	42
13	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
14	--	...	...	...	...	...	·4	·3	...	·4	·2	·1	·2	...	...	...	...	--	1·6	11
15	--	...	...	...	...	...	·3	·1	·1	·4	1·0	1·0	1·0	1·0	1·0	·7	...	--	6·6	45
16	--	...	...	...	...	·1	·2	·2	...	...	...	...	...	...	...	...	...	--	0·5	3
17	--	...	...	...	...	·5	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	...	--	9·5	65
18	--	...	·4	·1	·1	·1	·2	...	...	...	...	...	...	...	...	...	...	--	0·9	6
19	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
20	--	...	...	...	...	...	...	...	...	·1	...	...	...	...	·2	·2	...	--	0·5	3
21	--	...	...	·5	·2	·2	·2	·1	...	...	...	·1	...	·6	1·0	·5	...	--	3·4	24
22	--	...	...	·5	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	1·0	1·0	·4	...	--	11·5	81
23	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
24	--	--	...	...	·2	·4	...	...	...	...	...	...	...	...	...	...	--	--	0·6	4
25	--	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	--	--	13·0	93
26	--	--	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	...	--	--	12·3	88
27	--	--	...	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	1·0	·9	...	--	--	11·2	80
28	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	12·3	89
29	--	--	...	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	8·8	64
30	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
31	--	--	...	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	11·4	83
Sum	--	...	2·9	8·0	8·6	9·1	12·3	11·8	12·9	14·5	12·7	13·5	11·9	12·4	12·4	3·9	...	--	148·9	
Mean	--	...	·09	·26	·28	·29	·40	·38	·42	·47	·41	·44	·38	·40	·40	·13	...	--	4·74	32
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

DURATION OF BRIGHT SUNSHINE

For periods of sixty minutes, between the exact hours of Local Apparent Time

409 VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12·8 metres — SEPTEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	...	...	...	·4	·5	·2	·2	...	...	...	...	...	...	...	--	--	1·3	10
2	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
3	--	--	...	...	...	...	(·2)	(·4)	(·3)	(·5)	(·5)	(·6)	(·7)	(·1)	...	...	--	--	(3·3)*	25
4	--	--	...	...	...	...	...	...	·1	·1	...	...	·5	·1	...	...	--	--	0·8	6
5	--	--	...	...	...	·1	·3	·4	·2	...	·2	·9	·4	·4	...	...	--	--	2·9	22
6	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
7	--	--	...	...	·3	·8	·1	...	·2	·1	·6	·3	·2	·2	...	...	--	--	2·8	21
8	--	--	...	...	·1	...	·1	·6	...	·2	...	...	...	...	...	...	--	--	1·0	8
9	--	--	...	...	...	...	...	...	...	...	·5	·7	·1	...	·2	...	--	--	1·5	11
10	--	--	...	...	·1	·7	·1	...	·5	...	...	...	...	...	...	...	--	--	1·4	11
11	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
12	--	--	...	·3	1·0	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	10·8	84
13	--	--	...	...	·6	·2	·3	...	·4	·2	·5	1·0	1·0	·2	·2	...	--	--	4·6	36
14	--	--	...	·4	·2	·4	·8	1·0	1·0	1·0	1·0	1·0	1·0	·8	·2	...	--	--	8·8	69
15	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	11·1	87
16	--	--	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	10·7	85
17	--	--	...	...	·9	1·0	1·0	1·0	1·0	·8	·9	1·0	1·0	·8	·1	...	--	--	9·5	76
18	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
19	--	--	...	...	...	·2	·7	·5	·5	...	...	·1	·5	·8	·5	...	--	--	3·8	31
20	--	--	...	...	·3	1·0	1·0	1·0	1·0	·4	·2	...	...	...	...	...	--	--	4·9	40
21	--	--	...	...	...	...	...	...	·1	...	·5	·9	...	...	...	...	--	--	1·5	12
22	--	--	...	...	·6	1·0	1·0	1·0	1·0	1·0	·9	·3	·7	·1	...	...	--	--	7·6	62
23	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
24	--	--	--	...	...	...	...	...	...	...	·1	·1	·2	·1	...	--	--	--	0·5	4
25	--	--	--	...	·2	·9	·4	·4	·2	·6	·9	·6	·8	·6	·4	--	--	--	6·0	50
26	--	--	--	...	...	...	...	·1	·1	·1	·1	·8	·7	·5	...	--	--	--	2·4	20
27	--	--	--	...	·7	·7	·9	·6	·1	...	...	·2	·6	·6	...	--	--	--	4·4	37
28	--	--	--	...	·9	1·0	1·0	1·0	1·0	·6	·9	1·0	·9	·6	·4	--	--	--	9·3	79
29	--	--	--	...	·9	1·0	1·0	·6	·7	·7	·8	1·0	1·0	1·0	·2	--	--	--	8·9	76
30	--	--	--	...	·8	1·0	1·0	1·0	1·0	·6	·7	·5	·3	·2	...	--	--	--	7·1	61
Sum	--	--	...	1·6	9·6	13·3	13·2	12·8	12·6	9·9	12·3	14·0	13·6	10·1	3·9	...	--	--	126·9	
Mean	--	--	...	·05	·32	·44	·44	·43	·42	·33	·41	·47	·45	·34	·13	...	--	--	4·23	34

* Values interpolated: sphere out of position.

410 VALENTIA OBSERVATORY: H_s = 12·8 metres — OCTOBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	...	·7	1·0	1·0	1·0	1·0	·8	·8	·8	·6	...	...	--	--	--	7·7	66
2	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
3	--	--	--	...	...	...	·1	...	...	·1	...	...	...	...	...	--	--	--	0·2	2
4	--	--	--	...	...	...	...	...	...	·1	·1	·3	...	...	...	--	--	--	0·5	4
5	--	--	--	...	·1	·8	·1	·6	·7	·5	·8	·1	·7	...	...	--	--	--	4·4	39
6	--	--	--	...	·4	·5	·5	·9	1·0	·9	·1	·3	·4	...	...	--	--	--	5·0	44
7	--	--	--	...	·5	1·0	1·0	·2	·9	1·0	1·0	·3	·5	·4	...	--	--	--	6·8	61
8	--	--	--	...	...	...	...	·4	·5	...	...	...	...	...	...	--	--	--	0·9	8
9	--	--	--	...	·4	·4	·1	·8	1·0	·3	·1	1·0	·4	·5	...	--	--	--	5·0	45
10	--	--	--	...	·3	·1	1·0	1·0	1·0	·7	·2	·3	·4	...	...	--	--	--	5·0	45
11	--	--	--	...	·1	·8	...	·4	...	·2	·9	1·0	·4	·8	...	--	--	--	4·6	42
12	--	--	--	...	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	6·7	61
13	--	--	--	...	...	...	...	·2	·6	·2	1·0	·9	·3	...	...	--	--	--	3·2	30
14	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
15	--	--	--	...	...	...	·7	...	...	...	·2	·7	·7	·3	...	--	--	--	2·6	24
16	--	--	--	...	...	...	...	·3	·9	·9	·3	·8	1·0	·5	...	--	--	--	4·7	44
17	--	--	--	...	...	...	...	...	...	...	...	...	·2	...	...	--	--	--	0·2	2
18	--	--	--	...	...	·3	·6	·6	·5	1·0	1·0	·3	...	...	...	--	--	--	4·3	41
19	--	--	--	...	...	·6	·4	·4	·9	·8	·9	·9	·3	...	...	--	--	--	5·2	50
20	--	--	--	...	...	...	...	...	...	...	...	...	·1	...	...	--	--	--	0·1	1
21	--	--	--	...	...	...	...	...	...	...	·5	·2	1·0	·3	...	--	--	--	2·0	19
22	--	--	--	...	...	...	...	...	·1	·1	...	...	...	...	...	--	--	--	0·2	2
23	--	--	--	...	·1	·8	1·0	1·0	·9	·9	1·0	·8	·9	...	...	--	--	--	7·4	73
24	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
25	--	--	--	...	...	·1	·4	·4	·6	·8	·1	...	·2	...	...	--	--	--	2·6	26
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
27	--	--	--	--	...	...	...	·3	·4	·2	·4	·6	·2	...	--	--	--	--	2·1	21
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
29	--	--	--	--	...	...	...	...	...	·1	...	...	...	...	--	--	--	--	0·1	1
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
31	--	--	--	--	...	·6	·5	·4	·8	1·0	1·0	·9	·2	...	--	--	--	--	5·4	56
Sum	--	--	--	...	2·6	7·0	7·4	9·8	12·8	11·6	11·4	11·2	9·5	3·6	...	--	--	--	86·9	
Mean	--	--	--	...	·08	·23	·24	·32	·41	·37	·37	·36	·31	·12	...	--	--	--	2·80	26
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

411 VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12·8 metres. NOVEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
2	--	--	--	--	...	·1	...	·7	·6	...	·1	...	...	...	--	--	--	--	1·5	18
3	--	--	--	--	...	·2	·3	·4	...	...	...	...	·2	...	--	--	--	--	1·1	12
4	--	--	--	--	...	...	...	...	...	...	·7	·3	·3	...	--	--	--	--	1·3	14
5	--	--	--	--	...	·4	·8	1·0	·9	·9	1·0	·6	...	...	--	--	--	--	5·6	60
6	--	--	--	--	...	...	·3	·9	1·0	·8	·1	...	...	...	--	--	--	--	3·1	33
7	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
8	--	--	--	--	...	...	·1	·5	...	...	·1	...	...	...	--	--	--	--	0·7	8
9	--	--	--	--	...	...	·1	·1	·3	·3	...	...	...	...	--	--	--	--	0·8	9
10	--	--	--	--	...	·2	·2	·5	·6	·3	·4	·4	·1	...	--	--	--	--	2·7	30
11	--	--	--	--	...	...	...	·1	·3	·5	...	·1	...	...	--	--	--	--	1·0	11
12	--	--	--	--	...	...	...	·5	·3	·5	·9	·7	·1	...	--	--	--	--	3·0	33
13	--	--	--	--	...	...	...	...	...	...	...	·2	·3	...	--	--	--	--	0·5	6
14	--	--	--	--	...	...	·6	·3	·7	·8	·2	·3	·1	...	--	--	--	--	3·0	34
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
17	--	--	--	--	...	...	·1	·3	·2	·4	·2	...	...	...	--	--	--	--	1·2	14
18	--	--	--	--	...	·3	1·0	·8	·9	·5	·2	·1	·6	...	--	--	--	--	4·4	51
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
20	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	--	6·5	76
21	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	--	7·0	82
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
23	--	--	--	--	...	...	...	·6	·4	...	·1	·2	...	...	--	--	--	--	1·3	15
24	--	--	--	--	...	...	...	...	...	·3	...	·2	...	...	--	--	--	--	0·5	6
25	--	--	--	--	...	...	...	...	...	...	·1	...	...	...	--	--	--	--	0·1	1
26	--	--	--	--	...	...	·1	·4	·1	...	...	...	...	...	--	--	--	--	0·6	7
27	--	--	--	--	...	...	·7	·5	...	·1	...	...	...	...	--	--	--	--	1·3	16
28	--	--	--	--	...	...	1·0	·6	·2	·9	·7	·6	·4	...	--	--	--	--	4·4	54
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
30	--	--	--	--	--	...	·1	...	·2	·3	·3	...	...	--	--	--	--	--	0·9	11
Sum	--	--	--	--	...	1·6	7·4	10·2	8·7	8·6	7·1	5·7	3·2	...	--	--	--	--	52·5	
Mean	--	--	--	--	...	·05	·25	·34	·29	·29	·24	·19	·11	...	--	--	--	--	1·75	20

412 VALENTIA OBSERVATORY: H_s = 12·8 metres DECEMBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
3	--	--	--	--	--	...	...	·1	...	...	...	...	...	--	--	--	--	--	0·1	1
4	--	--	--	--	--	...	·6	·9	·9	·9	...	...	...	--	--	--	--	--	3·3	41
5	--	--	--	--	--	...	·1	·1	·5	·5	·3	·3	...	--	--	--	--	--	1·8	23
6	--	--	--	--	--	...	...	·1	·1	·4	...	...	...	--	--	--	--	--	0·6	8
7	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
8	--	--	--	--	--	...	...	...	...	·3	...	...	...	--	--	--	--	--	0·3	4
9	--	--	--	--	--	...			·4		·2	...	...	--	--	--	--	--	2·8	35
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
11	--	--	--	--	--	...	...	...	...	...	...	...	·1	--	--	--	--	--	0·1	1
12	--	--	--	--	--	...	·5	·4	·4	·2	·8	·2	...	--	--	--	--	--	2·5	32
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
15	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
16	--	--	--	--	--	...	·1	·6	·5	·2	·3	·1	...	--	--	--	--	--	1·8	23
17	--	--	--	--	--	...	...	...	·2	·1	·1	...	...	--	--	--	--	--	0·4	5
18	--	--	--	--	--	...	·1	·2	·1	·5	·4	·6	...	--	--	--	--	--	1·9	25
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
22	--	--	--	--	--	...	...	...	·3	1·0	·9	·7	...	--	--	--	--	--	2·9	38
23	--	--	--	--	--	...	·7	·6	1·0	·5	1·0	·6	...	--	--	--	--	--	4·4	57
24	--	--	--	--	--	...	...	·2	·9	·7	·9	·5	...	--	--	--	--	--	3·2	42
25	--	--	--	--	--	...	·8	1·0	·9	...	...	...	...	--	--	--	--	--	2·7	35
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
29	--	--	--	--	--	...	·5	·4	·4	·5	·9	·5	·1	--	--	--	--	--	3·3	43
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
31	--	--	--	--	--	...	...	...	·1	·8	·3	...	...	--	--	--	--	--	1·2	15
Sum	--	--	--	--	--	...	4·2	5·6	6·7	7·0	6·1	3·5	0·2 m	--	--	--	--	--	33·3	
Mean	--	--	--	--	--	...	·14	·18	·22	·23	·20	·11	·01	--	--	--	--	--	1·07	14
Annual Totals	...	5·2	22·9	46·9	67·8	94·9	125·4	132·9	144·8	144·0	138·5	131·3	114·5	90·9	66·2	38·4	8·2	...	1372·8	
Annual Mean	...	0·01	0·06	0·13	0·19	0·26	0·34	0·36	0·40	0·39	0·38	0·36	0·31	0·25	0·18	0·10	0·02	...	3·75	
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in Metres per second

413 VALENTIA OBSERVATORY:
Dines Pressure Tube Anemometer from Jan.,1926 H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	95	4·7	100	5·1	85	4·8	80	4·7	80	4·4	90	4·1	80	4·1	85	4·1	85	3·2	100	3·8	80	4·1	85	4·2
2	-	...	40	2·1	75	4·1	60	1·3	75	1·9	80	2·0	-	...	-	...	-	...	-	...	-	...	50	1·1
3	80	6·1	85	5·5	90	4·1	80	4·6	70	4·0	60	1·6	-	...	-	...	50	1·8	50	2·1	50	4·8	75	2·5
4	200	1·3	260	4·1	260	5·7	285	4·7	275	3·3	285	1·3	200	1·0	200	2·3	190	3·1	180	3·1	180	3·5	165	3·6
5	185	3·8	165	1·6	-	...	-	...	70	3·9	85	4·5	80	4·6	85	3·4	60	3·9	65	5·9	70	5·4	65	6·2
6	305	7·1	295	9·2	295	9·9	295	9·7	295	9·0	300	7·6	290	6·8	295	5·2	275	6·1	290	5·9	275	6·4	270	7·6
7	295	7·6	300	7·1	310	8·1	310	8·0	315	9·6	320	8·9	320	9·2	325	7·1	320	8·2	320	8·7	330	7·1	320	6·8
8	150	7·0	140	8·0	125	10·0	125	11·0	130	13·7	135	12·6	160	11·6	185	10·0	205	9·1	200	9·1	200	9·3	195	9·2
9	175	10·5	180	11·6	190	10·7	205	11·1	205	9·5	205	7·5	180	6·6	180	8·2	175	10·0	150	9·7	140	10·2	150	14·1
10	230	14·3	230	14·0	230	14·1	230	13·1	230	11·8	230	12·3	235	10·9	235	10·1	235	10·5	240	10·2	240	11·1	245	11·0
11	305	7·2	315	6·3	315	6·7	310	5·5	325	5·6	340	5·7	340	4·3	30	2·0	-	...	50	1·2	-	...	-	...
12	75	1·7	60	1·9	85	2·4	75	2·5	-	...	-	...	90	2·1	35	1·0	70	1·3	80	4·7	70	3·0	60	2·7
13	110	1·5	85	1·8	335	1·2	5	1·3	25	2·1	30	3·1	40	3·3	80	2·8	330	1·3	310	1·5	85	1·9	85	5·5
14	75	6·5	85	6·4	85	6·8	65	7·1	70	7·5	65	6·9	60	7·2	70	9·1	70	9·9	80	10·3	75	10·1	80	10·0
15	90	9·4	55	5·2	60	5·0	75	6·7	80	6·6	80	5·1	90	5·7	85	5·0	100	5·4	105	7·7	95	6·7	105	8·0
16	65	3·3	70	3·8	70	2·8	80	2·3	65	4·4	65	4·7	55	5·5	65	3·9	40	5·3	20	4·9	35	5·6	45	5·7
17	-	...	55	1·5	-	...	45	2·0	50	2·3	45	1·8	50	1·6	-	...	-	...	-	...	55	3·0	50	1·1
18	280	7·1	285	7·7	300	8·1	305	6·4	290	6·5	300	6·0	355	5·6	340	1·3	-	...	60	1·9	35	2·4	85	2·6
19	85	5·1	80	6·9	90	6·4	100	5·0	240	2·0	55	1·8	115	2·9	110	3·5	125	3·5	70	1·4	100	3·5	120	3·3
20	55	5·0	60	5·8	45	6·7	80	4·5	35	4·5	50	5·5	50	5·1	35	5·2	25	6·2	35	4·9	30	4·5	10	4·0
21	20	3·9	350	4·7	345	5·8	345	3·3	355	6·3	355	3·7	335	2·8	320	2·1	330	2·4	320	6·2	330	4·9	325	6·7
22	160	2·5	50	1·7	60	1·7	240	2·4	225	4·5	260	2·6	280	2·4	55	1·4	325	2·5	310	3·4	285	4·2	275	5·4
23	305	4·1	290	4·0	270	3·5	205	2·5	180	1·5	60	2·5	55	1·7	55	2·4	50	2·2	165	2·3	155	4·2	160	5·7
24	165	5·5	150	5·6	150	5·0	130	4·3	135	4·1	130	4·8	80	4·5	95	5·8	95	6·9	80	5·0	85	4·4	80	4·9
25	40	5·3	40	2·7	35	1·8	335	2·0	330	3·1	335	3·6	335	4·5	335	3·5	345	2·4	340	1·8	310	2·8	320	3·0
26	290	5·3	290	4·5	280	2·4	240	3·5	250	3·5	280	3·4	205	2·5	215	3·5	180	3·8	180	2·1	170	4·4	205	5·0
27	245	8·0	240	8·7	240	8·8	235	9·2	245	10·9	240	10·3	235	9·9	235	10·7	230	10·6	220	10·2	215	10·8	210	9·7
28	240	7·9	200	4·7	210	6·7	235	8·0	240	9·6	240	8·7	245	9·0	240	7·6	230	7·3	235	7·0	220	7·5	215	6·3
29	55	1·7	55	1·5	-	...	-	...	170	4·8	170	4·2	165	4·8	170	4·4	180	4·4	180	4·0	195	4·5	220	6·2
30	245	6·6	235	4·4	210	3·7	195	4·1	185	4·2	190	3·7	175	4·1	180	4·3	155	5·8	145	7·8	150	8·6	170	6·9
31	175	2·0	180	3·0	160	3·0	160	2·4	170	4·5	175	4·5	175	4·2	200	3·5	220	5·5	235	9·7	245	12·1	245	11·4
Mean	—	5·3	—	5·2	—	5·2	—	5·0	—	5·5	—	5·0	—	4·8	—	4·4	—	4·7	—	5·1	—	5·5	—	5·8

414 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	170	5·2	175	5·8	175	5·2	275	3·1	185	2·3	170	2·9	170	4·6	210	3·2	210	2·5	280	2·3	190	2·4	195	2·2
2	310	3·2	10	1·3	-	...	55	1·6	55	1·4	50	1·6	50	1·9	60	2·6	-	...	-	...	345	1·3	30	5·1
3	10	6·1	355	6·0	360	6·9	5	7·7	10	6·8	20	5·0	170	1·3	40	1·5	70	1·1	165	1·0	-	...	-	...
4	125	6·9	115	6·8	105	7·0	105	6·3	120	6·4	125	7·4	130	8·3	135	8·8	140	10·6	140	11·5	145	12·0	145	9·9
5	135	5·0	135	5·7	135	6·0	140	7·1	140	7·4	140	8·5	140	8·2	130	7·8	125	9·0	120	6·8	125	6·8	135	7·1
6	150	8·0	150	8·2	160	8·7	160	8·3	160	8·5	155	9·0	170	7·9	165	9·1	160	9·6	160	10·2	155	12·2	155	12·4
7	150	15·2	150	15·1	155	15·0	155	15·3	150	14·9	145	13·4	140	14·1	140	15·0	140	15·2	140	14·9	145	14·8	140	14·8
8	130	13·8	140	14·2	145	14·8	140	15·5	140	16·3	130	14·5	130	10·9	120	11·5	110	12·0	115	12·9	120	14·8	120	11·2
9	105	11·9	105	12·7	100	15·4	95	14·4	100	12·5	95	13·6	100	15·0	95	15·0	100	11·7	90	8·8	90	9·2	80	10·8
10	105	10·3	105	11·5	105	12·1	105	12·0	105	12·5	100	12·7	100	12·0	105	10·9	105	12·2	105	15·0	105	19·1	100	18·8
11	105	15·6	90	12·6	100	19·6	95	18·8	95	14·0	90	12·5	90	10·5	120	(7·3)	150	6·5	165	6·8	185	7·6	195	8·3
12	100	7·0	100	6·6	95	6·8	95	7·7	95	9·4	80	6·5	100	4·4	90	6·0	90	7·1	90	7·2	75	7·0	75	5·8
13	75	4·1	80	4·8	100	6·5	100	7·4	90	5·5	80	5·3	75	3·1	85	4·6	75	7·2	80	6·8	70	6·3	65	9·4
14	195	8·0	200	8·1	195	6·5	215	5·6	215	4·0	210	3·0	185	2·5	185	2·3	190	1·8	170	1·8	165	1·7	215	1·5
15	135	2·5	145	3·1	140	3·9	145	2·4	145	1·5	125	2·5	150	3·2	155	3·3	155	5·0	180	4·7	155	5·0	155	6·2
16	110	8·0	105	8·0	100	6·0	95	6·3	110	7·6	100	7·5	100	7·1	100	7·1	90	7·7	95	8·2	95	7·7	105	9·6
17	95	6·1	100	6·4	90	6·3	95	6·2	90	6·9	80	6·9	90	7·0	75	6·0	80	5·5	90	5·3	150	5·3	170	6·3
18	45	10·0	30	10·9	30	10·6	15	10·7	15	11·4	10	10·0	10	10·9	10	11·8	10	12·0	360	9·3	345	9·5	340	9·9
19	240	5·9	245	5·8	230	5·3	220	5·1	230	4·3	300	7·5	335	6·2	305	6·1	300	8·0	300	7·7	300	7·6	295	7·4
20	280	4·8	270	4·8	210	3·8	205	3·2	190	1·9	50	1·3	50	2·0	45	1·3	45	1·1	150	2·2	180	1·9	180	3·9
21	60	1·7	-	...	-	...	55	1·2	60	1·0	-	...	-	...	45	1·2	50	1·2	55	1·1	175	1·0	255	3·6
22	50	1·0	-	...	55	1·1	-	...	50	1·4	55	1·7	-	...	-	...	-	...	-	...	-	...	-	...
23	50	2·2	60	1·5	-	...	-	...	30	1·6	345	3·5	325	4·2	320	3·9	300	5·9	295	6·5	290	7·4	345	8·0
24	330	11·2	335	10·8	335	10·7	335	10·6	335	10·7	340	11·4	340	11·6	340	11·5	340	10·9	340	10·5	340	11·6	340	12·0
25	20	6·6	30	5·7	20	7·4	25	4·6	25	5·9	80	2·4	50	2·1	80	2·3	50	2·6	-	...	-	...	-	...
26	55	1·0	-	...	-	...	300	4·1	310	4·0	315	4·5	315	3·8	315	4·0	320	2·1	320	4·5	315	3·7	330	3·5
27	300	8·7	305	7·8	310	7·5	300	8·5	295	9·0	290	7·4	290	9·0	280	8·2	280	9·2	300	9·0	310	7·9	310	7·7
28	5	10·3	10	8·1	10	9·5	5	9·0	5	9·4	5	9·4	360	8·4	355	7·9	350	5·1	345	8·0	345	8·3	340	7·3
29	10	12·2	10	13·0	15	15·0	5	14·9	5	13·3	5	11·0	10	9·5	10	7·9	10	8·8	10	8·1	15	7·4	20	5·7
Mean	—	7·3	—	7·1	—	7·6	—	7·5	—	7·3	—	7·0	—	6·6	—	6·5	—	6·6	—	6·6	—	6·9	—	7·2
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 17 metres + 13 metres

JANUARY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
60	2·5	40	2·5	40	2·0	80	1·5	90	2·2	80	1·4	70	2·4	60	2·9	80	2·7	85	2·9	50	1·9	60	2·3	3·3	1
50	1·9	35	1·8	45	1·4	90	1·4	-	···	85	3·0	45	3·5	75	2·7	120	1·0	85	4·2	80	5·5	80	6·1	2·0	2
40	4·2	360	4·2	340	4·0	335	3·2	360	1·6	-	···	-	···	-	···	215	1·4	260	2·5	265	3·1	270	2·5	2·8	3
170	4·9	165	5·0	155	5·2	150	4·7	200	5·8	200	7·5	190	7·8	185	7·0	215	8·6	170	3·1	170	4·6	180	4·4	4·4	4
50	6·6	50	9·1	45	11·4	30	10·5	5	12·2	355	12·0	355	12·1	350	9·7	340	9·6	330	9·1	325	9·2	310	8·1	6·8	5
275	7·3	275	7·5	275	8·0	270	9·0	270	8·0	265	8·2	270	7·9	265	8·5	280	7·5	285	7·7	290	7·9	295	7·4	7·7	6
315	5·3	315	4·9	315	4·3	305	5·0	300	4·5	305	2·7	-	···	175	2·0	55	1·5	70	1·3	150	3·8	155	4·9	5·7	7
195	9·1	195	8·6	190	9·1	190	8·7	190	7·4	200	8·2	205	7·8	200	7·9	200	7·6	180	6·5	190	8·6	180	10·0	9·2	8
190	15·1	185	14·4	205	14·3	260	20·2	255	17·5	245	14·2	235	14·0	230	14·8	225	13·5	230	14·4	230	14·1	230	14·9	12·5	9
250	11·8	255	11·3	250	10·8	245	11·3	245	12·4	260	15·1	290	11·0	275	9·5	275	9·7	295	8·6	300	8·7	300	8·6	11·3	10
45	1·3	50	1·0	85	1·9	85	2·6	70	1·9	80	2·3	90	2·1	85	3·2	85	2·0	100	1·3	90	2·8	80	2·8	3·0	11
70	4·6	80	4·6	80	4·1	75	3·8	70	5·4	80	4·4	75	5·3	80	4·7	70	4·5	80	2·3	70	2·0	320	2·4	3·0	12
85	5·2	90	5·0	120	3·2	90	2·5	90	2·0	90	5·2	90	5·8	90	5·1	90	5·1	85	6·2	70	6·6	80	5·9	3·5	13
80	9·2	80	8·2	90	9·2	75	9·0	80	7·6	80	7·7	70	7·7	80	7·3	75	7·0	85	7·9	60	7·0	85	8·5	8·1	14
110	8·2	95	7·0	75	4·8	95	6·0	75	4·7	70	4·8	70	8·3	80	8·2	65	7·3	65	7·6	70	7·3	60	7·7	6·6	15
30	7·0	30	7·1	45	6·1	55	5·7	60	5·1	35	5·5	40	5·0	50	6·1	40	4·4	65	4·0	20	2·7	-	···	4·6	16
190	1·5	220	1·8	260	4·3	260	4·5	270	5·8	290	7·0	295	6·7	290	6·5	285	6·1	290	5·6	290	6·0	280	6·9	3·3	17
30	3·0	40	1·3	165	1·5	75	1·0	165	1·0	-	···	110	1·8	120	4·5	105	6·8	90	7·6	90	6·8	85	5·8	4·1	18
75	3·9	135	4·2	70	2·9	85	4·3	70	4·5	75	5·1	75	4·7	75	3·6	60	3·3	65	5·3	65	7·2	60	3·0	4·1	19
5	6·0	5	5·7	15	3·7	15	4·5	355	2·2	5	2·5	40	4·9	320	2·6	35	2·4	180	1·1	160	1·8	325	2·2	4·2	20
280	5·8	355	5·4	355	6·6	360	2·4	25	2·7	-	···	10	2·9	-	···	200	1·5	160	3·4	170	2·8	160	3·3	3·8	21
295	7·3	270	6·0	265	9·7	300	5·9	295	6·9	330	5·7	290	5·0	290	5·9	295	5·7	300	6·7	290	6·0	300	5·5	4·6	22
175	5·3	170	5·3	160	6·1	165	6·0	175	7·1	180	6·4	175	5·2	170	6·2	170	6·0	185	6·2	170	5·6	170	5·1	4·5	23
70	5·0	70	4·5	55	3·5	50	4·4	55	4·8	50	6·7	60	8·2	60	8·5	50	6·9	40	4·6	50	4·1	25	4·5	5·3	24
310	2·7	5	1·2	305	1·3	310	3·5	305	3·2	325	2·6	300	4·5	295	4·6	290	4·1	300	4·5	280	3·6	290	4·7	3·2	25
190	6·0	190	7·5	180	7·3	190	9·4	180	9·1	165	10·6	170	11·2	175	11·6	180	12·2	180	11·8	195	9·6	215	7·3	6·6	26
210	10·7	210	13·2	215	12·8	235	12·7	230	10·6	235	12·9	230	11·8	235	9·6	235	9·5	220	11·0	225	8·8	215	9·0	10·4	27
200	6·0	195	5·3	180	4·9	180	3·6	165	4·1	145	4·8	150	5·1	175	2·4	140	4·0	100	3·5	45	1·8	65	1·0	5·7	28
200	6·8	225	7·1	230	6·6	260	7·0	270	6·4	265	7·5	270	7·0	260	6·5	260	5·8	260	6·8	255	6·4	250	6·7	5·1	29
190	5·0	215	4·3	230	5·2	220	4·0	200	3·8	215	4·5	185	3·7	200	3·1	180	2·7	200	3·3	195	2·7	170	2·8	4·6	30
250	12·9	255	13·0	260	11·1	260	8·5	230	5·2	220	4·8	210	5·2	205	5·8	205	6·5	240	5·5	180	3·4	175	4·8	6·4	31
—	6·2	—	6·1	—	6·0	—	6·0	—	5·7	—	6·0	—	6·1	—	5·9	—	5·7	—	5·7	—	5·6	—	5·5	5·5	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
260	2·7	275	2·3	215	1·5	300	1·0	70	1·8	-	···	-	···	-	···	-	···	270	1·7	-	···	290	1·3	2·4	1
30	4·9	30	5·2	15	5·9	10	5·4	15	5·6	350	6·1	360	4·3	355	4·7	360	7·3	5	5·3	10	5·5	10	5·7	3·6	2
-	···	360	1·8	325	2·8	60	2·4	135	2·5	130	3·2	135	3·9	130	4·1	130	4·7	125	4·2	120	4·3	125	5·6	3·5	3
150	10·6	140	9·4	135	8·0	135	7·3	155	6·6	165	5·5	150	5·4	150	5·8	150	5·8	155	6·3	140	6·9	135	6·1	7·7	4
140	5·7	160	4·6	165	3·9	180	5·1	165	6·9	160	7·1	160	6·6	140	3·6	155	5·2	155	7·0	155	8·8	155	8·5	6·6	5
160	12·0	155	12·4	155	14·2	150	15·8	150	15·2	150	14·3	145	13·9	150	14·3	150	15·0	150	15·0	150	14·7	150	15·4	11·8	6
135	15·5	140	16·0	140	15·4	135	15·6	135	15·0	140	14·7	140	15·0	145	15·2	145	15·0	140	14·5	140	14·3	135	13·8	14·9	7
110	9·8	90	6·5	15	5·1	30	5·1	45	5·0	40	4·5	50	5·0	10	5·0	95	9·3	95	11·1	110	13·5	110	13·0	10·6	8
80	11·0	90	12·4	85	12·3	85	12·5	90	11·1	95	15·0	100	16·5	105	14·5	105	12·2	110	10·6	115	11·1	110	11·6	12·6	9
100	18·1	100	17·0	100	18·2	100	20·8	100	22·0	100	22·5	100	19·8	95	16·5	95	17·5	100	20·3	100	21·0	100	20·0	16·4	10
185	7·8	180	7·8	150	8·2	150	7·2	145	4·5	140	5·5	120	5·0	115	3·8	80	3·5	90	5·3	95	6·6	80	5·1	8·8	11
75	5·1	90	6·2	65	5·5	60	4·5	100	3·8	95	3·8	90	3·4	90	4·1	95	2·4	100	4·0	110	2·9	85	2·5	5·4	12
60	6·2	80	9·0	85	11·3	95	11·2	95	11·4	110	10·5	130	12·5	135	13·2	130	13·6	130	12·5	160	12·2	195	11·0	8·6	13
160	1·3	230	1·5	-	···	175	3·6	180	3·1	160	3·3	150	3·3	140	3·6	145	2·5	-	···	-	···	-	···	3·0	14
165	6·7	170	7·7	170	8·1	175	7·3	175	7·4	165	6·3	150	6·8	140	7·1	130	6·1	130	6·6	130	7·1	110	8·2	5·4	15
120	8·3	110	10·4	105	10·4	110	11·6	110	10·8	130	8·9	110	8·2	105	8·0	110	8·0	105	6·8	105	6·7	105	6·2	8·1	16
185	6·2	175	7·9	180	7·9	160	7·2	140	5·7	110	4·6	90	5·0	90	4·5	70	5·0	80	6·7	60	6·5	50	8·1	6·2	17
330	8·9	320	8·0	320	7·2	310	6·9	305	6·7	300	7·0	300	7·2	290	6·4	280	6·9	270	6·7	270	5·0	240	5·7	8·7	18
295	7·6	290	7·0	295	7·6	295	7·0	300	6·9	300	5·7	295	6·6	295	6·2	285	5·5	270	5·7	275	5·2	285	3·9	6·3	19
180	4·0	185	4·4	195	3·9	195	2·8	195	1·7	-	···	-	···	-	···	65	1·2	70	1·1	-	···	-	···	2·2	20
255	4·0	260	5·0	255	5·1	255	5·6	245	5·0	245	3·5	240	2·1	195	2·1	190	1·4	-	···	-	···	-	···	2·1	21
300	1·2	320	3·0	320	3·2	15	3·0	5	3·6	335	2·8	-	···	-	···	-	···	45	1·0	60	1·5	50	1·0	1·3	22
340	7·3	340	9·6	340	11·1	325	11·0	335	11·0	330	11·7	330	11·4	330	11·2	330	10·2	330	10·5	330	10·6	330	10·5	7·2	23
335	12·5	335	11·8	355	11·6	10	11·9	5	13·6	5	12·7	10	10·3	15	9·7	55	6·9	30	7·1	20	7·0	40	5·2	10·6	24
-	···	335	1·6	320	2·9	310	2·5	270	1·7	-	···	180	1·0	180	1·0	-	···	45	2·0	160	1·7	165	1·4	2·4	25
270	3·8	275	4·8	275	4·4	290	5·9	300	7·1	300	7·2	295	7·7	290	7·3	280	8·1	290	9·1	300	9·9	305	10·0	5·1	26
315	9·2	330	7·4	330	10·4	340	10·6	330	9·8	335	9·3	330	11·5	330	11·1	330	11·5	335	11·8	350	12·3	350	12·4	9·5	27
340	8·4	340	7·4	15	8·4	350	10·8	355	10·6	10	10·3	10	10·2	15	9·9	20	11·2	10	10·8	5	10·3	10	11·5	9·2	28
15	5·7	15	5·5	360	5·3	335	5·6	345	6·3	360	5·8	5	3·1	355	3·3	320	2·2	360	2·6	360	5·0	50	4·1	7·6	29
—	7·1	—	7·4	—	7·6	—	7·8	—	7·7	—	7·4	—	7·1	—	6·8	—	6·9	—	7·1	—	7·3	—	7·2	7·2	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - .24		Mean	

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second

415 VALENTIA OBSERVATORY:
Dines Pressure Tube Anemometer from Jan.,1926

H_a (height of anemometer above M.S.L.)= Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	-	···	45	2·1	40	3·7	40	5·8	45	5·1	30	9·1	25	7·7	20	6·7	20	9·6	25	10·5	20	10·5	20	10·8
2	15	9·5	10	8·1	15	6·7	15	6·0	10	6·9	10	7·4	360	8·4	5	7·3	5	7·2	5	7·2	15	5·9	10	5·7
3	320	4·6	345	4·2	360	3·0	315	1·4	300	4·6	315	4·2	340	2·2	325	5·0	315	3·4	330	4·7	335	3·9	325	5·5
4	160	1·0	155	2·2	140	2·3	155	3·2	155	4·9	150	4·5	155	2·4	40	1·3	150	1·2	175	3·4	210	4·5	220	5·4
5	300	6·0	295	5·5	290	6·7	295	6·4	300	6·9	300	6·9	300	7·1	290	6·6	295	7·8	300	7·4	300	6·9	300	8·2
6	290	7·1	300	7·0	300	7·4	295	6·9	305	5·4	305	5·0	305	4·7	355	1·0	175	1·0	-	···	205	1·3	250	3·2
7	180	4·1	200	4·6	205	5·3	210	6·6	205	6·6	205	6·5	225	7·0	220	7·7	225	7·4	255	6·6	265	4·4	265	3·6
8	20	3·8	15	4·2	20	3·5	25	3·4	30	4·4	35	4·8	50	5·5	50	5·2	50	5·6	35	6·3	45	6·2	35	6·8
9	30	8·7	30	6·1	15	5·7	5	7·1	5	6·4	360	5·9	360	6·8	360	5·7	25	4·4	360	4·3	10	6·6	5	6·5
10	20	8·8	25	9·4	30	8·0	30	8·4	30	6·5	20	8·1	35	7·4	35	7·1	45	5·9	20	9·2	25	7·9	25	7·1
11	60	3·0	50	1·8	40	1·3	40	2·1	35	2·2	55	2·0	50	1·4	50	1·2	55	1·5	55	3·3	50	3·9	50	3·6
12	-	···	-	···	55	1·0	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	280	1·1
13	115	1·5	110	3·4	100	3·3	105	3·2	110	2·6	100	3·2	90	3·4	90	3·7	80	3·4	75	3·0	100	4·3	105	4·7
14	90	6·0	90	5·7	95	6·3	90	5·4	90	6·2	105	7·4	80	6·7	80	6·7	80	6·7	65	5·2	45	5·6	90	5·6
15	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	55	1·1	55	2·7
16	-	···	50	1·3	50	1·6	55	2·5	-	···	-	···	50	1·0	50	1·1	55	1·3	-	···	-	···	320	1·0
17	60	1·0	65	2·0	-	···	55	1·2	55	1·7	60	1·0	-	···	55	1·5	-	···	-	···	-	···	270	1·0
18	90	1·8	115	3·7	75	4·8	80	4·0	85	4·7	85	4·9	90	4·8	85	3·7	80	4·5	85	5·9	90	4·5	90	4·1
19	105	6·5	70	3·8	95	4·6	85	5·9	80	5·2	100	5·8	105	5·8	80	2·2	80	2·7	95	5·4	95	5·5	95	7·3
20	160	10·2	155	11·5	160	10·5	170	10·4	180	9·3	180	8·1	180	7·9	180	7·3	180	8·8	190	9·9	190	10·0	180	10·1
21	110	7·3	100	9·8	100	9·5	120	8·8	130	9·5	130	9·6	130	9·9	140	12·0	130	10·6	145	8·5	140	8·9	140	10·2
22	125	7·6	120	6·8	110	9·4	100	8·7	105	8·5	95	6·7	95	7·1	115	7·2	120	6·9	110	8·2	110	8·3	125	7·2
23	160	6·9	165	5·9	160	5·6	165	6·9	150	6·5	210	4·8	155	4·6	155	6·0	160	5·3	170	6·2	165	7·6	160	7·9
24	115	6·7	130	11·4	190	9·1	185	6·7	165	4·0	140	5·3	135	4·8	130	5·4	110	5·5	120	6·3	95	5·8	100	7·0
25	130	10·9	135	11·6	145	8·3	140	7·0	145	5·2	95	4·5	80	4·4	80	5·1	90	6·4	90	7·3	95	8·8	100	7·6
26	50	5·6	55	4·4	85	3·5	80	5·5	85	6·3	70	4·8	65	3·0	65	2·6	60	5·9	65	4·0	55	4·0	50	5·2
27	-	···	-	···	-	···	-	···	-	···	330	1·0	340	1·9	-	···	-	···	-	···	270	1·0	265	2·4
28	185	4·8	165	5·2	180	4·5	175	4·4	180	4·1	165	5·1	160	5·8	155	5·8	150	6·7	145	7·4	145	8·4	130	8·0
29	120	10·0	135	8·8	160	7·6	175	7·0	170	7·5	165	7·5	160	7·8	160	7·6	160	7·3	165	7·2	175	6·5	185	6·1
30	240	6·2	230	6·3	235	6·0	235	5·2	240	4·6	245	5·2	230	4·2	195	3·0	220	2·8	190	3·0	190	5·7	180	7·3
31	210	7·7	210	7·5	225	7·7	220	6·9	225	7·2	230	7·9	230	6·2	225	5·4	225	5·4	225	6·6	225	6·5	225	6·3
Mean	—	5·2	—	5·4	—	5·1	—	5·1	—	5·0	—	5·1	—	4·9	—	4·6	—	4·7	—	5·2	—	5·4	—	5·8

416 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	-	···	-	···	65	3·4	55	4·3	50	3·6	30	4·0	360	5·2	360	3·3	5	6·4	10	6·3	360	6·2	355	5·8
2	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	45	1·4	55	1·4	180	2·1	180	2·1
3	95	3·9	105	3·9	105	5·0	90	5·2	80	5·2	80	4·9	75	7·2	70	8·6	80	8·9	80	9·4	85	9·8	80	9·5
4	70	6·7	70	5·8	90	7·6	75	5·6	60	5·2	65	4·9	70	5·4	60	6·0	65	7·4	65	10·3	65	11·3	65	10·0
5	70	2·6	65	3·5	85	3·4	70	2·4	70	3·5	70	3·3	85	4·2	85	4·5	80	4·8	80	6·0	90	7·7	105	5·6
6	-	···	-	···	-	···	-	···	85	1·1	55	1·7	70	1·5	80	3·1	60	1·9	55	2·2	40	2·4	35	4·4
7	70	4·1	75	4·7	40	6·0	55	6·2	50	5·5	55	6·0	45	5·9	50	4·6	50	4·2	30	5·0	35	5·4	25	3·3
8	15	1·2	10	4·0	25	4·6	25	4·0	35	2·8	45	2·5	45	3·0	40	3·0	60	4·0	45	4·4	45	4·7	45	5·0
9	50	4·0	70	3·1	80	5·2	80	4·4	60	4·2	70	4·6	75	4·6	80	4·4	65	4·5	50	4·0	40	3·2	40	4·4
10	90	3·4	65	2·0	80	4·0	80	3·6	70	2·0	90	3·5	50	2·2	80	1·0	100	4·5	100	4·3	95	3·8	95	3·2
11	50	1·4	-	···	50	1·1	50	1·7	50	1·8	45	1·4	-	···	-	···	-	···	-	···	280	1·0	270	2·5
12	180	2·9	170	2·8	175	3·1	175	3·0	75	2·6	195	1·3	75	1·2	45	1·4	55	2·9	70	5·4	45	6·0	45	6·3
13	-	···	60	2·2	60	5·4	60	7·4	65	6·9	55	4·0	70	1·0	75	2·9	50	5·7	45	5·6	55	6·5	35	7·7
14	55	6·8	65	5·4	65	2·5	75	1·9	65	2·2	60	2·2	65	2·6	85	2·0	70	4·5	55	6·4	55	6·5	45	7·0
15	-	···	50	2·7	35	3·6	60	2·6	45	3·7	55	2·9	70	2·9	45	3·6	50	6·5	50	5·9	30	8·2	25	8·2
16	360	5·0	360	4·5	5	5·9	15	5·3	15	7·0	360	5·6	355	5·9	355	5·9	355	6·7	355	8·3	355	8·3	350	8·9
17	10	6·3	5	6·5	10	3·8	5	4·0	360	4·3	30	3·2	45	2·0	10	3·1	355	4·9	10	3·6	320	3·8	330	4·7
18	-	···	50	1·7	50	1·8	55	1·1	50	1·3	60	1·1	-	···	-	···	175	2·0	175	4·0	180	3·4	230	3·7
19	-	···	-	···	55	2·2	-	···	-	···	55	1·3	-	···	45	1·6	-	···	210	1·5	270	2·4	235	3·9
20	255	8·3	260	8·1	280	5·1	320	6·4	350	6·7	25	6·1	45	6·9	40	5·7	45	4·8	35	3·6	55	5·0	35	4·0
21	140	7·6	120	8·5	130	8·1	135	11·2	130	11·1	145	10·8	125	10·1	115	7·2	150	6·0	240	7·7	280	11·1	270	10·5
22	25	9·2	15	8·0	15	8·7	25	6·8	30	6·0	30	5·3	65	4·9	55	4·6	55	5·4	35	5·3	25	4·4	10	5·3
23	160	7·9	160	8·3	155	10·0	155	11·4	160	11·3	165	10·7	165	10·5	170	9·8	180	10·0	180	10·4	185	10·8	195	9·0
24	255	5·5	240	5·0	215	4·4	225	5·2	205	5·8	200	7·6	200	8·4	190	8·2	205	9·2	220	8·5	210	8·1	210	8·9
25	230	9·1	230	8·1	230	6·6	225	6·3	230	6·8	230	6·4	215	6·6	210	6·7	215	7·6	225	8·0	215	8·6	215	9·6
26	260	7·2	255	6·8	265	7·0	275	7·2	270	6·3	280	6·9	280	6·4	280	6·2	285	5·8	285	6·8	290	7·8	295	7·6
27	275	2·3	260	2·0	260	3·9	260	3·9	255	3·0	205	2·6	225	2·9	270	1·8	255	2·6	230	3·2	255	4·5	225	5·7
28	195	5·4	185	6·8	190	6·5	200	6·7	250	5·6	200	3·5	220	4·0	240	4·7	255	6·0	260	5·3	275	5·5	275	5·6
29	330	1·5	340	1·2	-	···	325	2·2	335	1·7	355	1·4	355	1·0	340	2·9	340	3·5	330	4·2	315	3·4	330	3·5
30	60	1·0	60	1·0	55	1·1	-	···	50	1·6	55	1·4	-	···	-	···	-	···	-	···	320	2·8	320	3·5
Mean	—	3·9	—	4·0	—	4·4	—	4·4	—	4·3	—	4·1	—	4·0	—	4·0	—	4·8	—	5·3	—	5·8	—	6·0
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 17 metres + 13 metres

MARCH, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
10	10·0	10	10·8	10	10·6	10	10·7	10	10·7	10	10·6	15	10·6	15	10·7	15	11·3	20	11·2	20	8·8	15	8·5	8·6	1
20	6·1	15	6·0	340	6·7	345	7·3	345	7·0	345	4·4	335	2·2	-	···	-	···	165	2·8	205	1·6	260	4·1	5·6	2
325	7·0	325	6·7	320	5·1	325	6·3	325	5·7	320	4·1	320	2·6	-	···	-	···	-	···	-	···	170	1·2	3·6	3
220	6·8	245	8·0	335	7·6	325	5·3	325	6·9	325	6·1	325	6·8	330	5·9	320	5·8	315	5·2	310	4·1	305	5·6	4·6	4
300	6·7	305	7·6	290	7·0	300	7·3	300	6·7	295	7·1	290	7·4	300	7·0	300	6·8	295	7·0	300	8·5	295	7·6	7·0	5
230	3·7	195	3·0	170	4·6	175	5·6	160	5·9	150	6·0	150	6·4	155	6·4	160	6·1	155	6·8	160	7·8	175	6·2	5·0	6
320	2·6	335	4·8	345	6·5	5	5·8	360	6·9	360	6·7	20	5·1	10	4·9	10	4·9	5	4·9	15	4·9	20	3·2	5·5	7
35	9·0	30	8·4	30	7·3	25	8·7	30	7·9	30	7·4	30	6·8	40	6·3	35	6·8	40	6·7	30	8·5	25	8·0	6·3	8
20	6·4	20	6·0	20	5·4	10	6·0	10	6·8	10	7·3	5	8·8	10	7·4	15	7·1	15	7·5	35	9·2	30	10·1	6·8	9
15	8·1	20	8·2	15	8·9	10	8·4	15	8·1	35	7·5	35	6·3	30	6·5	40	4·6	30	5·6	50	5·1	60	3·0	7·3	10
40	3·9	55	4·5	50	3·6	40	3·0	25	3·4	40	3·2	335	2·8	15	1·8	70	2·5	70	2·4	60	1·5	-	···	2·5	11
285	2·1	300	2·6	300	2·9	280	3·2	280	3·1	290	2·2	280	1·0	-	···	-	···	50	1·0	-	···	-	···	1·1	12
110	5·3	130	5·2	130	5·7	135	5·3	120	5·9	120	5·0	125	6·2	130	6·8	125	7·0	90	5·1	75	5·0	110	5·6	4·5	13
115	7·6	130	6·9	115	6·7	115	6·3	125	4·5	90	4·5	85	5·3	240	2·0	-	···	-	···	-	···	-	···	5·0	14
45	3·6	50	5·2	40	5·1	35	5·5	45	5·0	50	4·1	85	4·9	85	4·9	75	3·5	65	2·7	-	···	-	···	2·3	15
305	1·8	290	2·4	275	3·0	275	2·8	275	2·6	280	1·5	165	1·2	170	1·6	65	1·5	50	1·6	60	2·2	60	1·9	1·5	16
265	2·1	270	2·9	340	2·6	330	2·1	270	1·6	270	1·4	-	···	-	···	-	···	55	1·2	55	2·4	90	3·5	1·4	17
100	6·5	90	5·7	100	8·0	90	6·1	90	4·9	90	7·0	100	8·1	95	8·0	95	8·1	80	4·0	75	3·0	95	5·2	5·3	18
90	5·8	85	5·1	85	5·3	85	5·4	125	6·6	135	6·1	135	7·9	150	9·4	145	9·3	145	10·7	145	10·1	150	11·1	6·4	19
180	10·0	175	10·8	170	10·1	170	9·5	170	8·5	165	7·4	145	6·9	145	7·0	135	6·6	136	7·0	135	7·8	125	7·8	8·9	20
140	11·1	135	11·1	135	9·9	135	12·2	130	11·9	135	12·5	145	10·2	135	8·4	130	8·9	135	9·7	140	9·0	135	9·8	10·0	21
135	9·4	150	9·7	150	10·0	165	9·2	170	9·5	175	8·9	175	8·7	180	7·8	170	6·8	165	7·5	165	8·5	170	7·7	8·2	22
150	7·7	135	8·0	125	8·1	130	7·9	120	7·6	110	8·0	115	7·7	115	10·1	115	10·0	125	9·9	110	8·0	90	7·6	7·3	23
105	5·2	105	9·0	105	10·2	105	10·1	100	10·1	95	9·8	95	9·5	100	9·7	100	9·1	105	9·8	100	9·0	115	9·2	7·9	24
95	8·3	95	6·5	90	6·7	80	7·2	80	7·5	80	7·3	90	6·9	95	11·2	55	6·6	40	5·4	70	5·2	75	6·2	7·2	25
70	6·8	60	5·3	45	4·6	55	4·7	50	4·2	45	5·9	45	6·5	50	4·8	65	4·7	35	3·5	35	3·1	40	2·3	4·6	26
265	3·2	265	3·8	260	3·5	260	3·3	265	2·8	220	2·9	190	2·7	185	2·8	170	3·4	185	2·8	180	3·2	190	3·8	2·0	27
135	7·5	155	8·2	175	6·8	175	6·2	170	6·1	160	5·8	150	7·1	145	7·7	135	8·1	105	9·4	105	10·4	105	11·0	6·9	28
220	5·9	225	10·7	230	11·5	240	12·7	240	14·0	250	14·0	255	13·0	260	10·6	255	10·7	255	8·7	245	7·0	245	6·6	9·0	29
185	7·8	185	8·0	195	8·3	215	8·2	215	8·5	210	7·8	210	7·4	205	7·4	205	8·3	210	8·8	210	8·6	210	8·4	6·5	30
230	6·0	230	5·7	230	4·4	235	3·5	260	1·7	240	1·5	180	2·0	185	1·0	-	···	-	···	-	···	-	···	4·5	31
—	6·3	—	6·7	—	6·7	—	6·6	—	6·5	—	6·3	—	6·1	—	5·8	—	5·5	—	5·5	—	5·3	—	5·4	5·6	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
360	5·7	360	5·2	335	4·5	325	5·5	340	5·7	340	4·2	330	3·4	330	2·0	320	1·7	295	1·4	-	···	320	1·4	3·9	1
230	2·3	275	2·4	180	2·7	190	3·1	200	2·8	320	2·5	330	2·3	-	···	-	···	-	···	50	2·2	60	2·0	1·5	2
85	10·9	70	9·8	75	10·5	75	8·9	70	8·6	75	8·9	75	8·8	75	9·2	70	8·6	75	8·5	85	9·4	90	7·8	8·0	3
60	7·0	60	6·9	50	6·2	60	6·3	55	6·1	55	5·5	65	4·0	70	3·5	60	3·4	90	1·7	60	2·3	70	2·0	5·9	4
100	4·6	100	6·4	95	4·7	105	5·0	105	4·5	110	3·2	130	3·0	115	4·2	105	3·1	95	1·9	90	2·8	95	3·2	4·1	5
40	7·5	40	8·5	45	7·5	40	7·0	20	6·6	10	7·7	25	7·4	45	4·2	40	5·8	40	2·6	70	1·2	65	2·7	3·7	6
15	3·9	20	5·2	20	5·1	5	5·6	25	4·7	30	5·0	20	3·9	30	2·3	60	1·4	85	1·2	-	···	200	1·0	4·2	7
20	6·0	15	5·4	5	6·7	5	5·7	15	5·7	10	6·6	35	5·2	65	3·5	65	3·3	65	2·9	65	2·4	35	3·6	4·2	8
55	3·8	80	4·5	55	3·5	40	4·7	40	5·1	60	5·6	60	3·4	70	3·3	70	4·3	70	5·7	75	3·5	90	3·1	4·2	9
95	3·3	135	4·9	140	4·5	270	4·3	270	4·5	270	3·7	270	2·2	-	···	-	···	-	···	45	1·2	55	1·2	2·9	10
240	3·6	245	4·0	245	4·5	230	4·5	240	3·5	285	3·5	290	2·0	290	1·1	-	···	-	···	180	1·7	180	3·2	1·9	11
30	5·5	35	5·5	20	5·4	25	5·0	40	5·0	45	3·3	55	5·2	80	3·4	90	3·5	90	4·5	90	3·0	90	3·2	3·8	12
20	8·9	20	9·3	15	8·1	20	7·2	20	6·5	50	5·7	45	5·3	45	4·1	80	1·9	45	2·7	50	4·5	55	7·8	5·3	13
45	6·2	40	6·8	35	5·8	20	7·1	20	4·8	40	6·9	65	5·2	80	3·3	85	2·3	60	2·5	60	4·1	60	4·5	4·6	14
20	8·6	15	8·5	15	7·0	10	6·5	55	7·1	360	6·7	360	7·1	355	7·2	355	6·1	350	7·5	355	6·0	360	6·1	5·7	15
15	9·5	15	8·8	10	8·4	15	8·7	340	10·3	345	9·8	350	9·7	350	9·4	355	8·4	5	7·2	5	6·9	10	7·2	7·6	16
325	6·2	330	6·3	315	5·7	325	5·7	315	4·9	315	5·0	330	4·9	315	3·0	15	1·3	-	···	-	···	50	1·4	4·0	17
235	4·4	230	5·4	235	5·1	255	4·4	265	4·2	270	4·2	315	2·3	-	···	-	···	-	···	-	···	-	···	2·3	18
235	5·0	230	5·8	245	5·9	220	4·9	220	6·0	195	4·0	205	5·7	195	6·0	195	7·5	195	8·2	210	8·0	230	7·8	3·8	19
40	3·1	360	2·3	345	3·7	275	2·6	300	2·1	325	2·5	310	1·0	180	2·2	160	4·2	155	4·5	150	5·2	155	6·6	4·6	20
270	10·0	265	11·0	270	10·0	270	8·9	265	9·0	265	3·9	350	4·5	20	10·0	25	14·5	25	13·4	20	13·0	25	12·1	9·6	21
15	4·5	350	3·8	350	4·7	355	5·0	360	2·1	275	3·5	265	2·2	260	1·5	165	2·0	160	2·8	160	4·6	165	5·9	4·9	22
265	7·5	250	6·5	225	4·7	230	7·0	270	8·5	285	8·0	275	6·9	280	5·0	270	5·5	260	5·2	245	5·2	260	6·1	8·2	23
210	9·9	210	11·7	210	12·0	210	12·9	210	12·3	210	12·4	205	12·0	220	10·9	230	11·0	230	9·8	225	9·2	230	9·1	9·1	24
210	11·0	220	10·9	230	10·2	225	10·1	230	9·5	230	9·5	230	8·2	230	7·2	235	6·7	240	5·9	245	6·5	265	5·9	8·0	25
295	7·9	295	9·0	290	8·4	295	7·9	295	7·4	295	7·2	295	6·6	300	5·7	295	6·1	300	5·7	320	4·5	300	3·3	6·7	26
225	6·0	225	6·1	220	6·2	220	6·0	215	6·1	210	5·7	205	5·7	185	4·5	175	5·0	180	6·5	185	5·6	190	4·5	4·4	27
270	4·5	290	5·5	280	5·4	300	5·9	310	6·1	315	5·6	320	5·0	325	5·0	330	5·4	330	4·8	325	4·1	340	2·7	5·2	28
310	4·0	310	4·3	310	4·9	310	4·8	310	5·0	320	5·0	325	5·0	330	3·5	360	1·4	360	1·1	-	···	-	···	2·8	29
325	3·9	325	4·2	330	3·8	320	4·4	325	4·5	325	4·4	315	3·6	335	1·7	-	···	50	1·1	-	···	-	···	2·0	30
—	6·2	—	6·5	—	6·2	—	6·2	—	6·0	—	5·7	—	5·1	—	4·3	—	4·2	—	4·1	—	4·0	—	4·2	4·9	

12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	Mean	

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second

417 VALENTIA OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	-	...	-	...	-	...	-	...	55	1·9	55	1·0	-	...	-	...	180	3·0	185	3·0	190	3·5	180	4·7
2	55	1·5	55	1·2	-	...	-	...	45	1·3	-	...	130	2·0	145	4·0	150	5·2	160	5·4	180	6·1	180	6·7
3	135	3·6	150	4·2	135	4·6	135	4·8	140	4·6	130	5·2	135	3·7	130	4·1	150	4·2	150	4·7	135	4·7	145	4·9
4	115	6·0	90	3·8	140	5·1	140	5·9	140	5·2	110	5·4	120	5·6	135	6·5	130	6·6	130	6·9	135	7·8	135	7·6
5	125	6·8	130	6·0	90	4·9	90	4·3	150	5·2	130	3·2	115	2·8	110	1·7	90	3·3	120	3·3	150	4·0	165	4·1
6	335	1·4	-	...	355	1·8	360	2·3	20	1·1	-	...	-	...	-	...	40	1·5	360	3·4	330	4·8	345	5·4
7	-	...	45	1·1	35	2·0	45	1·9	40	2·0	360	4·2	360	4·5	345	5·5	340	6·2	345	6·9	340	7·2	340	6·5
8	25	3·3	30	3·5	40	2·7	40	2·1	-	...	30	1·8	-	...	15	1·5	360	5·5	350	5·4	335	5·3	335	4·9
9	335	2·8	350	1·8	340	1·9	-	...	-	...	-	...	-	...	-	...	-	...	295	1·0	305	2·2	315	2·7
10	-	...	-	...	-	...	-	...	-	...	-	...	185	1·2	-	...	30	1·6	205	1·0	275	2·0	280	3·6
11	-	...	-	...	340	4·1	325	3·2	325	3·5	330	1·7	325	1·1	275	2·1	275	1·5	275	1·4	275	2·6	230	4·7
12	170	4·0	315	5·5	330	4·9	360	3·1	5	2·3	15	2·0	335	2·3	325	3·7	325	4·8	320	4·8	325	5·3	310	4·8
13	170	3·5	170	4·2	180	4·4	180	4·5	190	5·8	185	5·6	200	6·5	205	7·9	200	9·2	200	9·8	195	10·3	205	10·7
14	55	1·6	60	1·7	55	1·8	145	1·1	140	1·9	150	3·8	140	4·7	145	5·3	145	7·0	150	9·3	155	10·3	155	10·2
15	190	8·2	205	7·3	215	7·7	210	7·2	225	7·4	230	6·7	230	6·7	225	6·6	225	7·5	210	8·1	225	7·9	225	8·5
16	180	4·0	180	4·3	180	3·9	175	4·1	180	4·0	175	4·4	180	4·2	185	3·7	190	5·2	215	4·9	190	5·4	180	6·5
17	145	2·7	160	3·2	170	3·5	170	3·0	165	2·7	175	3·1	185	2·5	195	3·1	205	3·7	185	4·4	215	4·8	230	4·6
18	-	...	50	1·2	55	2·3	65	3·0	50	2·8	360	4·4	45	4·2	30	7·2	20	6·1	10	8·2	10	8·0	25	8·9
19	70	8·4	55	7·6	55	7·0	60	8·0	60	5·7	75	7·0	80	9·0	70	7·9	60	7·3	55	5·0	40	5·9	35	7·5
20	70	1·1	35	2·3	55	5·1	55	3·6	35	4·1	40	6·7	35	6·8	30	5·6	20	4·6	50	5·1	25	5·1	55	6·7
21	-	...	-	...	-	...	-	...	-	...	-	...	-	...	-	...	40	3·1	35	3·9	20	4·5	15	5·2
22	-	...	360	1·6	345	2·2	355	4·4	345	3·7	345	4·3	340	4·3	345	3·6	330	5·9	320	7·5	325	7·9	325	8·2
23	360	6·8	30	7·4	25	7·7	30	6·6	10	8·4	15	9·2	30	7·1	30	5·7	20	7·8	20	9·0	20	8·1	20	9·4
24	95	1·4	65	2·9	60	5·9	55	4·4	30	3·3	20	5·7	30	4·8	30	5·1	30	6·0	40	7·2	35	7·1	40	8·2
25	60	8·4	55	8·0	65	9·5	60	8·2	60	8·8	60	7·0	55	6·2	60	7·1	55	5·6	45	5·4	55	6·6	45	6·2
26	85	6·1	95	7·1	35	4·8	35	3·0	65	3·4	85	4·8	80	5·6	80	4·8	90	4·8	95	5·2	60	4·1	70	3·6
27	50	6·2	60	5·6	45	6·5	50	5·2	50	4·4	55	3·4	65	6·6	65	6·1	55	6·5	40	7·6	35	8·7	40	6·6
28	65	5·2	70	5·7	75	5·6	70	4·8	60	5·7	55	5·5	50	6·6	55	7·1	50	6·7	40	6·9	35	5·4	35	5·4
29	-	...	80	3·0	360	2·8	350	1·6	345	1·3	360	2·9	340	4·7	335	8·1	345	8·4	340	8·3	345	6·1	345	6·5
30	335	7·9	330	7·2	325	8·2	350	6·4	345	9·3	5	8·0	355	9·5	345	9·1	335	9·4	340	9·6	350	9·8	350	10·0
31	360	7·2	5	7·0	355	5·5	5	4·1	355	3·5	5	4·1	5	4·6	360	4·4	355	5·2	325	4·2	345	5·8	345	5·5
Mean	—	3·6	—	3·8	—	4·1	—	3·7	—	3·7	—	4·0	—	4·2	—	4·5	—	5·3	—	5·7	—	6·0	—	6·4

418 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	300	2·8	290	2·9	195	2·7	225	3·4	240	3·7	300	4·7	285	4·2	275	6·3	280	5·0	265	6·5	265	6·8	275	8·5
2	355	8·7	360	7·5	10	7·9	5	9·8	5	9·7	10	8·5	10	9·1	10	8·6	5	9·9	5	10·0	15	9·1	10	8·9
3	15	8·4	10	9·2	5	9·4	5	9·1	5	9·5	5	8·6	5	8·7	5	9·4	10	9·8	5	8·0	360	7·6	360	8·1
4	10	5·0	360	5·2	5	6·2	5	4·8	360	5·4	355	3·5	360	3·2	360	3·5	360	5·3	355	5·4	360	6·2	5	5·6
5	-	...	-	...	50	1·3	60	1·5	-	...	50	1·0	-	...	-	...	-	...	270	1·7	270	3·6	270	3·4
6	210	5·0	215	4·7	225	4·8	255	5·5	255	3·6	265	3·4	280	3·6	290	4·3	290	3·9	305	4·0	275	3·7	275	4·7
7	285	2·7	280	3·0	275	4·2	285	3·9	290	5·5	295	5·3	295	5·4	300	5·2	300	5·5	310	5·2	310	5·0	315	4·7
8	290	4·5	285	3·5	280	2·6	260	1·7	275	3·2	280	2·8	275	3·0	280	3·2	290	3·9	275	3·2	275	3·2	275	3·4
9	-	...	-	...	195	1·2	255	2·6	240	(1·6)	220	(1·4)	215	(1·4)	225	(1·8)	210	2·7	180	3·2	170	4·7	220	4·8
10	5	5·9	360	4·8	360	3·9	5	4·4	360	4·0	5	3·2	10	3·6	15	4·2	15	3·8	35	2·4	340	1·8	310	3·5
11	170	8·3	170	8·1	170	9·3	170	8·2	175	6·8	175	6·0	210	5·4	230	5·4	300	4·3	315	4·2	310	5·2	315	5·5
12	360	1·5	360	1·7	360	2·3	-	...	30	1·3	35	1·5	30	1·2	360	2·3	345	3·4	325	3·5	330	4·6	325	4·5
13	-	...	-	...	55	1·8	-	...	50	1·1	-	...	50	1·0	-	...	225	1·1	240	2·2	230	3·4	230	4·1
14	190	7·5	205	7·6	210	6·0	205	5·0	205	5·1	200	4·9	220	5·8	225	7·7	225	7·4	255	7·5	305	6·2	310	5·7
15	285	9·1	290	9·2	300	9·0	305	7·6	300	7·7	300	6·6	305	5·6	300	5·3	295	5·0	295	4·8	275	4·9	265	6·0
16	210	10·3	215	9·8	215	7·9	210	6·8	210	7·1	210	7·6	210	9·3	210	7·5	265	2·1	225	4·8	220	4·4	210	4·9
17	190	3·2	185	3·4	185	3·3	185	3·9	185	4·2	185	4·0	200	4·6	210	6·7	210	7·9	210	7·6	210	8·9	195	8·0
18	165	5·7	165	5·2	150	5·8	135	6·5	135	6·2	140	4·6	135	5·9	135	4·8	145	4·9	140	4·6	150	4·9	165	5·1
19	70	2·7	60	4·7	80	4·1	70	3·4	65	4·6	50	1·2	-	...	85	1·8	70	4·2	80	5·6	55	3·2	65	3·0
20	-	...	-	...	-	...	-	...	-	...	-	...	-	...	25	1·1	330	1·0	325	1·0	-	...	25	1·3
21	-	...	-	...	-	...	45	1·2	-	...	-	...	-	...	60	4·2	55	2·5	80	4·2	70	3·6	95	4·0
22	75	1·1	40	1·5	-	...	-	...	-	...	-	...	-	...	-	...	40	1·2	40	2·0	20	1·8	310	2·3
23	-	...	60	1·2	-	...	-	...	-	...	80	1·0	115	2·1	90	2·5	90	2·9	155	3·8	165	5·1	175	5·5
24	165	3·0	170	3·0	160	2·2	140	1·2	170	1·1	160	1·3	160	1·9	-	...	-	...	190	3·3	200	2·4	200	3·0
25	50	1·4	-	...	-	...	30	1·6	35	1·1	30	1·4	-	...	-	...	110	2·1	100	3·2	85	2·7	130	3·5
26	185	4·8	160	3·5	155	1·2	-	...	-	...	175	2·0	185	2·2	195	3·8	185	4·2	180	3·4	205	1·8	215	2·2
27	-	...	-	...	-	...	-	...	-	...	-	...	-	...	-	...	180	3·0	170	5·7	180	4·7	180	5·6
28	140	4·9	140	4·8	140	5·5	140	5·7	130	5·6	125	5·8	130	5·3	120	5·4	130	5·2	130	5·6	125	5·2	120	4·8
29	140	4·1	155	3·8	140	4·2	125	3·3	130	4·1	90	4·0	80	3·7	100	4·4	100	4·9	95	3·2	160	4·4	170	3·9
30	-	...	130	1·5	125	3·3	145	4·8	155	3·6	155	2·8	160	1·1	-	...	180	1·0	170	1·7	135	2·8	135	1·3
Mean	—	3·8	—	3·8	—	3·8	—	3·6	—	3·6	—	3·3	—	3·4	—	3·8	—	4·0	—	4·4	—	4·4	—	4·7
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 17 metres + 13 metres

MAY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
185	4·0	235	4·6	240	5·6	245	5·4	240	5·1	245	4·7	230	3·4	215	2·2	170	2·0	45	1·3	50	1·7	50	2·3	2·6	1
185	7·2	185	7·5	190	8·0	185	7·8	185	7·0	180	6·2	180	5·6	160	3·9	150	4·0	150	5·0	150	4·0	145	3·3	4·3	2
165	5·9	160	5·7	170	6·7	165	7·3	160	6·0	155	6·1	155	5·1	130	5·0	120	5·7	120	5·1	115	5·9	120	5·7	5·1	3
140	7·9	140	7·0	140	7·0	130	5·7	125	6·0	125	6·3	130	6·1	130	6·6	130	6·6	150	5·2	130	6·4	95	8·0	6·3	4
215	4·7	290	3·8	275	3·0	300	4·0	310	4·5	310	5·5	305	5·7	300	3·8	300	3·4	335	2·7	325	2·3	320	2·4	4·0	5
340	7·2	335	7·7	345	7·8	340	7·7	340	7·6	350	7·8	350	7·4	350	5·5	360	3·1	65	1·2	-	···	-	···	3·7	6
335	6·5	340	6·9	350	7·5	350	6·9	360	6·2	5	5·4	10	5·0	5	5·1	10	5·1	15	4·1	15	3·5	20	3·3	4·7	7
335	5·1	320	5·4	320	5·2	310	4·3	320	4·0	260	3·1	310	2·3	305	1·9	335	3·0	350	3·7	340	3·0	335	3·3	3·4	8
295	2·7	270	2·3	265	3·9	270	4·1	275	2·1	275	1·0	270	1·7	-	···	-	···	185	1·0	180	1·1	185	1·1	1·6	9
280	3·8	285	4·0	280	3·1	280	3·2	280	3·0	280	2·4	280	1·8	-	···	-	···	-	···	-	···	-	···	1·5	10
190	5·6	205	6·2	210	7·2	200	7·4	210	6·5	190	6·4	185	5·9	200	5·5	210	5·1	215	4·0	205	3·0	200	3·1	3·9	11
275	4·9	285	4·9	280	5·0	280	4·7	275	4·4	290	4·0	300	3·4	270	2·7	230	2·3	175	2·6	55	2·0	60	1·0	3·7	12
205	11·2	265	7·0	260	5·3	260	6·9	275	5·0	260	5·2	260	5·1	280	4·8	275	4·7	240	3·1	230	2·8	190	2·3	6·1	13
180	10·8	180	11·2	180	11·3	185	11·9	185	13·0	185	13·4	185	13·7	185	14·6	185	13·0	215	10·1	195	6·5	180	7·8	8·2	14
230	8·2	225	7·7	220	7·4	220	6·9	230	7·0	220	6·3	230	5·8	215	5·2	185	3·8	165	4·4	170	4·0	180	4·2	6·7	15
185	5·8	205	5·3	200	5·4	225	6·1	215	5·7	225	5·4	220	4·7	185	4·2	165	3·3	165	3·1	150	3·5	145	3·1	4·6	16
230	4·6	230	4·6	240	5·4	235	5·7	235	4·4	250	4·2	285	2·7	285	1·8	-	···	-	···	-	···	-	···	3·2	17
25	9·1	15	10·0	15	10·0	30	8·3	30	7·9	20	10·7	30	9·5	40	7·0	45	5·2	55	6·0	65	7·9	70	7·5	6·5	18
25	7·7	20	6·6	40	6·5	25	6·8	30	7·0	30	5·7	15	6·2	360	4·0	35	1·9	55	4·6	80	2·2	60	2·4	6·2	19
55	7·7	50	6·3	25	5·0	45	5·5	350	7·0	360	6·3	360	5·6	35	5·2	60	3·4	15	1·1	-	···	-	···	4·6	20
360	5·4	5	7·1	360	8·3	330	6·9	360	5·1	345	6·4	335	6·7	335	6·9	345	6·8	60	1·5	-	···	10	1·3	3·5	21
320	7·7	340	8·0	345	9·7	340	10·0	340	10·0	340	8·2	320	7·4	325	8·2	320	7·1	330	6·6	340	8·2	5	7·2	6·3	22
15	10·7	20	11·5	20	10·8	25	10·4	25	9·3	35	7·3	30	8·0	35	6·9	30	5·7	45	5·7	50	5·0	40	3·5	7·8	23
30	7·8	35	8·8	35	7·0	40	8·3	45	9·0	40	8·6	40	9·0	40	8·1	40	6·6	50	3·5	45	6·4	60	7·3	6·3	24
50	7·0	50	6·5	55	6·3	90	6·7	85	6·7	90	5·0	70	5·8	90	5·8	85	5·3	95	8·4	100	7·3	90	6·5	6·8	25
110	2·4	270	1·7	260	2·2	270	4·1	10	6·4	25	7·3	75	4·2	45	2·2	40	2·6	55	3·3	60	7·4	55	5·0	4·4	26
45	5·3	20	5·4	25	7·2	15	8·1	15	9·1	15	7·2	15	8·0	25	5·7	55	4·2	60	5·3	65	6·4	65	7·3	6·4	27
30	6·3	20	6·4	360	7·5	10	8·2	15	8·4	10	7·0	10	6·3	15	6·0	30	3·5	60	1·8	25	2·1	110	1·0	5·6	28
335	7·4	330	6·1	330	5·6	330	5·7	335	7·3	340	8·3	340	8·3	335	8·6	335	7·2	335	6·3	340	6·4	345	6·8	5·8	29
350	10·2	350	11·2	345	11·1	345	11·4	350	10·4	350	10·5	355	9·0	10	6·9	10	8·5	10	8·2	10	7·3	5	6·8	9·0	30
330	5·1	330	7·6	335	7·5	335	7·6	335	6·8	325	5·6	325	5·5	330	5·1	315	3·6	310	3·0	315	1·3	305	2·5	5·1	31
---	6·6	---	6·6	---	6·8	---	6·9	---	6·7	---	6·4	---	6·0	---	5·2	---	4·5	---	4·0	---	3·9	---	3·8	5·1	

JUNE, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
310	7·9	295	9·5	315	10·2	325	11·1	340	13·6	350	13·3	355	10·5	355	10·0	350	10·9	350	10·1	355	9·2	355	9·2	7·6	1
350	8·5	350	10·3	350	10·4	355	10·8	355	11·0	350	10·5	355	8·6	360	6·7	360	7·1	5	8·8	5	8·6	10	8·1	9·0	2
350	9·8	345	10·2	340	10·0	340	10·0	345	9·9	340	10·1	340	9·2	350	8·1	355	7·5	360	5·9	360	5·0	5	4·8	8·6	3
340	7·2	335	7·2	335	7·5	335	8·0	335	7·8	340	7·0	340	5·5	360	4·0	355	3·3	45	1·6	-	···	-	···	5·0	4
275	5·2	270	4·5	270	5·1	270	4·4	260	3·6	250	3·4	215	4·2	215	3·5	215	3·8	205	3·6	220	4·2	220	5·2	2·8	5
275	4·4	275	3·9	280	4·7	275	4·0	275	4·7	275	3·8	275	3·5	275	3·5	275	3·6	275	3·7	280	2·9	275	3·0	4·0	6
315	4·2	310	4·0	280	4·0	290	3·7	295	4·5	285	4·1	280	3·3	265	4·1	280	4·2	285	5·5	300	6·1	295	4·2	4·5	7
275	3·2	280	3·5	280	3·6	270	3·4	265	3·7	270	4·1	275	3·7	280	3·5	280	3·0	275	2·4	-	···	-	···	3·1	8
220	5·2	215	4·4	210	5·2	220	5·6	215	6·2	220	6·4	220	5·9	240	5·2	265	3·5	310	3·4	340	4·5	345	5·2	3·6	9
275	4·2	275	4·0	285	3·8	280	3·5	235	5·1	220	4·7	215	5·0	190	4·8	175	4·8	165	6·1	155	7·4	170	8·1	4·5	10
305	4·4	310	4·9	315	5·5	310	5·4	320	5·0	320	5·2	310	4·4	325	4·8	325	3·9	335	4·2	345	2·8	5	1·8	5·4	11
310	5·5	330	6·9	330	7·7	330	7·5	335	7·2	330	6·1	330	6·1	335	5·7	355	4·5	50	2·8	50	1·4	-	···	3·8	12
235	5·9	225	6·4	220	6·4	195	6·2	205	6·9	205	7·5	195	6·0	185	6·0	185	6·3	195	7·4	190	7·3	185	7·9	4·1	13
295	5·5	290	5·8	285	6·6	280	6·6	285	7·4	280	7·4	285	7·5	280	8·5	280	8·7	275	9·0	275	9·1	275	10·0	7·0	14
265	6·1	265	7·0	240	7·4	230	7·2	230	6·8	210	6·7	200	7·0	195	7·5	200	8·9	200	9·7	205	9·9	210	10·4	7·3	15
210	4·8	200	4·5	180	4·4	185	4·7	185	4·9	220	4·9	220	5·2	240	4·7	210	2·7	185	3·5	180	3·8	180	3·9	5·6	16
195	8·7	195	9·0	200	8·7	215	9·2	215	7·8	190	7·1	190	7·4	215	6·4	200	5·5	190	4·5	170	5·5	170	6·1	6·3	17
170	5·2	170	6·2	175	5·7	170	5·0	175	4·2	190	3·0	180	2·9	100	3·9	120	2·3	-	···	75	1·2	-	···	4·4	18
65	2·2	105	1·7	115	5·0	100	4·0	125	3·1	130	3·3	185	1·8	-	···	-	···	-	···	-	···	-	···	2·6	19
-	···	265	2·6	320	3·4	310	3·2	310	3·0	315	2·9	270	1·0	-	···	-	···	-	···	-	···	-	···	1·1	20
85	3·8	90	3·7	120	3·4	145	6·2	155	5·3	140	4·0	145	5·0	150	3·1	115	3·2	100	3·7	95	2·6	65	1·9	2·9	21
280	2·4	265	2·8	180	3·9	180	5·5	180	5·1	185	4·8	175	3·8	195	3·0	185	3·5	180	2·0	-	···	-	···	2·1	22
175	6·2	180	6·5	180	6·1	175	6·5	185	5·5	185	5·3	180	4·6	180	4·5	180	3·0	160	2·2	160	2·6	160	2·5	3·4	23
210	3·0	225	3·3	230	3·5	235	3·2	230	3·4	205	4·1	210	3·2	185	2·6	160	1·9	-	···	-	···	-	···	2·2	24
135	3·6	275	2·3	270	2·7	265	2·0	275	2·1	280	2·6	165	4·9	165	4·8	160	4·4	155	5·3	155	4·4	170	5·2	2·6	25
295	2·0	300	2·7	210	4·0	200	4·1	180	5·0	200	3·9	170	3·8	170	2·9	150	3·8	150	3·6	-	···	-	···	2·8	26
180	5·8	180	6·0	180	6·3	170	5·7	175	5·5	175	5·5	170	6·2	160	4·9	150	3·5	145	4·8	145	4·9	145	5·0	3·6	27
120	5·6	125	6·1	135	5·1	135	5·6	135	7·1	135	7·1	140	7·2	135	5·8	125	5·0	105	4·8	135	5·0	130	5·1	5·6	28
175	6·0	160	4·8	155	4·9	155	5·0	170	5·3	160	5·6	170	4·9	180	4·4	190	4·0	180	2·3	175	2·1	170	2·3	4·1	29
140	1·4	180	1·7	280	1·3	325	1·6	50	1·9	35	1·0	320	1·5	330	2·6	335	2·7	-	···	-	···	-	···	1·8	30
---	4·9	---	5·2	---	5·5	---	5·6	---	5·8	---	5·5	---	5·1	---	4·7	---	4·3	---	4·1	---	3·8	---	3·8	4·3	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second

419 VALENTIA OBSERVATORY:
Dines Pressure Tube Anemometer from Jan.,1926

H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	-	...	335	1·8	320	1·7	320	2·5	320	3·1	310	4·7	320	5·0	330	5·0	325	5·0	320	6·0	300	5·1	320	5·3
2	315	5·1	300	7·2	305	6·7	320	6·1	320	7·0	300	6·7	300	7·4	300	5·9	300	5·0	300	4·7	290	5·1	290	4·8
3	160	3·8	160	5·0	180	3·9	175	3·8	265	5·4	270	5·2	300	5·6	280	5·7	300	5·2	290	4·7	290	5·4	285	5·2
4	170	5·3	170	7·6	180	7·3	190	6·4	210	5·5	220	5·0	210	5·7	205	5·5	210	7·0	210	7·5	215	7·4	225	8·0
5	220	6·4	210	6·1	225	6·7	220	6·1	210	6·0	200	5·6	230	5·4	210	5·0	230	5·8	230	6·5	225	5·8	220	5·2
6	170	3·3	170	3·2	180	2·8	230	1·9	155	3·1	160	3·5	170	3·6	170	3·7	180	2·8	170	4·4	175	5·0	180	4·5
7	170	4·2	175	3·1	170	2·6	170	3·5	160	3·5	165	3·3	170	3·0	-	...	265	2·2	275	3·1	275	3·4	275	4·0
8	55	1·2	-	...	55	1·2	170	3·1	160	3·6	165	3·5	170	3·6	170	2·8	205	2·6	230	3·4	230	3·6	235	3·6
9	285	2·1	305	2·5	280	4·0	300	2·1	290	2·0	285	3·6	295	2·6	275	4·0	290	3·9	295	4·5	280	4·5	280	5·4
10	320	1·0	330	1·2	340	1·3	335	1·5	360	4·0	345	1·9	340	3·3	345	5·2	5	3·7	340	6·2	335	7·3	340	8·3
11	320	5·5	325	4·7	325	6·4	320	6·0	330	6·2	320	5·5	315	4·9	315	5·2	310	5·0	310	5·3	300	5·8	295	5·8
12	175	5·4	170	6·7	180	6·3	220	4·7	225	6·1	225	7·7	225	8·0	230	8·1	230	8·1	230	8·4	230	8·0	220	7·4
13	275	7·0	265	7·1	265	8·1	295	6·9	270	6·2	265	7·8	260	8·2	255	8·6	255	7·8	260	8·7	260	7·6	265	8·5
14	235	5·4	235	5·0	230	4·8	230	6·3	215	7·5	235	6·4	230	5·6	230	5·9	230	8·0	220	7·6	215	7·6	215	8·5
15	180	2·5	180	1·8	175	2·5	225	1·6	-	...	170	1·3	165	1·5	190	3·0	310	5·3	310	4·9	300	4·5	295	5·0
16	290	2·1	280	1·2	280	1·0	-	...	-	...	-	...	-	...	-	...	-	...	180	2·1	185	2·2	190	2·9
17	75	6·4	70	6·5	70	7·1	90	10·0	90	9·6	70	5·2	70	4·1	85	4·4	80	4·2	75	5·2	85	5·3	105	7·3
18	-	...	-	...	-	...	-	...	-	...	-	...	330	2·8	330	4·2	330	3·9	330	4·7	315	5·1	310	6·8
19	290	5·1	290	4·9	290	4·9	300	5·4	300	5·2	300	4·9	300	4·4	295	4·3	295	4·3	290	4·2	285	4·7	290	5·1
20	315	4·9	320	4·2	330	5·6	325	4·6	325	5·1	325	5·2	320	4·9	320	4·8	320	6·2	325	6·5	345	5·2	320	4·4
21	305	3·3	300	3·8	300	3·3	290	3·1	275	3·3	295	2·7	340	2·0	320	2·3	270	2·3	-	...	-	...	295	1·2
22	-	...	-	...	50	1·0	55	1·3	-	...	-	...	-	...	-	...	-	...	130	2·6	145	3·5	130	4·1
23	185	7·1	190	7·3	200	7·3	200	7·7	200	7·6	205	7·6	205	7·3	200	7·6	215	8·1	205	9·2	205	10·8	225	12·0
24	250	14·9	250	14·5	255	12·8	250	12·8	250	12·2	255	11·6	250	11·2	255	10·6	260	10·0	260	9·7	260	9·2	255	9·4
25	240	3·9	240	4·6	250	4·8	245	4·5	260	4·9	260	5·0	260	4·7	260	5·1	270	5·3	270	5·3	270	5·2	270	5·9
26	285	3·2	290	3·1	290	3·5	265	2·5	290	2·6	300	2·3	290	2·5	305	3·5	280	3·7	275	3·9	290	3·1	300	3·2
27	160	3·9	165	4·4	160	5·4	170	5·5	165	6·1	165	7·6	175	6·6	155	8·4	150	9·7	145	7·1	195	5·3	185	6·8
28	-	...	-	...	-	...	-	...	360	3·1	355	5·1	355	5·3	350	8·2	355	7·1	355	8·9	345	9·1	340	10·8
29	355	5·1	355	4·5	350	3·1	335	3·9	340	5·2	340	6·0	340	6·2	335	7·0	345	6·2	340	7·6	340	7·0	335	6·3
30	360	3·8	360	2·5	-	...	320	1·3	-	...	-	...	285	1·0	270	2·6	260	3·0	275	4·0	275	4·1	270	4·3
31	230	5·3	230	7·1	235	8·2	250	8·8	260	9·5	255	9·0	255	8·8	260	7·6	265	6·6	265	5·4	265	6·0	265	6·7
Mean	—	4·2	—	4·3	—	4·4	—	4·4	—	4·7	—	4·7	—	4·7	—	5·0	—	5·1	—	5·6	—	5·6	—	6·0

420 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	320	3·0	325	2·2	320	1·8	310	2·8	310	1·0	275	1·0	275	2·7	285	3·4	285	2·7	270	3·1	265	3·4	265	3·8
2	210	7·6	230	9·5	245	8·5	260	10·1	260	9·1	260	9·6	260	7·9	260	8·7	265	8·2	265	9·4	270	8·8	275	8·8
3	290	5·1	300	5·6	295	5·2	290	5·9	300	6·4	300	5·9	300	5·8	300	5·5	300	5·1	290	5·2	290	5·3	290	6·0
4	320	4·7	310	4·5	320	3·8	305	3·7	315	4·7	300	4·1	315	4·2	320	3·9	305	4·3	325	3·8	300	4·4	290	5·3
5	175	3·5	190	3·7	185	4·0	185	4·4	175	5·8	170	6·3	170	6·2	180	4·0	245	4·2	255	4·8	260	5·4	260	5·6
6	280	5·7	275	4·8	280	5·0	270	6·0	320	7·4	340	8·7	340	9·4	340	9·7	340	9·5	340	9·4	340	9·0	340	9·4
7	15	1·8	355	1·0	-	...	-	...	-	...	-	...	50	1·0	-	...	-	...	-	...	280	2·1	280	3·3
8	180	5·9	170	6·5	175	6·5	175	6·6	175	6·9	170	7·1	170	6·4	180	5·9	185	5·3	180	5·7	180	6·3	190	5·6
9	330	1·8	340	2·4	245	3·7	350	3·4	355	3·3	355	2·4	50	2·4	360	2·7	40	2·2	345	3·2	335	4·3	330	3·5
10	-	...	55	1·0	-	...	50	1·0	125	1·0	160	2·3	155	3·9	160	3·7	180	4·1	180	5·2	185	5·2	180	5·5
11	315	4·1	335	3·5	325	4·5	325	5·1	330	4·6	305	3·0	300	3·5	290	3·1	270	2·5	270	3·0	260	5·0	260	4·9
12	295	6·5	310	4·7	330	4·6	330	4·6	320	4·0	315	4·2	320	3·5	320	3·7	320	4·1	320	3·8	310	3·1	305	2·6
13	175	4·2	195	4·8	180	3·9	180	4·0	190	5·2	190	5·9	190	6·3	185	7·2	185	8·1	185	9·6	190	9·4	185	9·0
14	205	5·0	210	6·1	210	5·2	210	4·7	210	4·7	225	3·3	195	2·2	205	2·9	220	3·1	220	3·6	230	4·0	230	4·1
15	215	1·9	265	2·0	265	1·4	330	2·9	330	4·4	335	3·8	335	3·6	330	4·4	340	4·6	330	3·8	320	4·4	315	4·5
16	-	...	-	...	-	...	125	1·9	125	2·6	150	3·3	150	4·9	150	4·9	140	4·8	135	4·6	165	8·6	170	8·1
17	175	5·2	180	5·9	180	5·6	175	6·1	190	6·2	200	7·0	195	5·9	210	5·5	255	5·1	265	4·7	265	5·0	255	5·5
18	260	4·9	265	3·5	195	2·9	185	2·7	185	2·8	200	3·3	205	3·1	225	4·3	215	3·8	220	5·2	220	6·7	225	7·0
19	180	10·9	185	10·1	200	9·9	225	8·7	225	7·6	225	6·1	240	6·5	250	6·1	235	5·5	240	5·8	240	6·8	250	6·9
20	320	1·2	-	...	-	...	-	...	-	...	-	...	-	...	170	1·4	165	2·7	180	3·2	190	3·3	265	3·5
21	325	1·2	310	1·8	320	3·4	300	2·5	295	4·1	300	1·9	300	2·7	290	2·3	275	2·5	270	2·6	275	2·7	270	4·0
22	30	1·3	-	...	-	...	-	...	-	...	-	...	-	...	-	...	205	1·0	270	1·0	275	1·5	275	1·7
23	185	4·5	185	4·4	170	5·5	170	4·8	170	4·9	175	4·8	180	5·1	185	4·7	185	4·7	180	4·8	185	3·9	185	4·1
24	195	1·5	180	1·2	175	1·4	-	...	-	...	-	...	-	...	-	...	-	...	-	...	270	(1·3)	270	(1·1)
25	65	2·3	80	3·4	80	2·5	85	2·2	-	...	-	...	-	...	-	...	-	...	260	1·0	270	1·3	265	2·2
26	105	1·4	105	1·4	110	4·5	90	4·6	90	3·9	95	4·6	75	4·6	90	4·9	105	4·8	110	7·3	120	9·3	115	9·0
27	100	5·5	115	5·2	110	6·4	105	5·7	95	5·1	100	5·1	105	2·6	90	3·3	95	7·9	105	5·0	100	3·5	140	2·7
28	55	1·4	40	1·1	-	...	-	...	-	...	50	1·8	-	...	-	...	-	...	-	...	285	1·3	270	1·4
29	40	1·1	50	1·2	-	...	-	...	50	1·2	85	1·7	40	1·3	30	1·0	-	...	-	...	160	2·4	180	3·8
30	330	1·0	-	...	-	...	-	...	-	...	-	...	-	...	-	...	310	1·0	310	2·1	320	3·0	320	2·6
31	330	2·3	330	2·1	335	1·5	360	1·5	-	...	330	2·1	20	2·2	50	1·6	330	2·1	55	2·0	320	2·0	320	2·8
Mean	—	3·5	—	3·4	—	3·4	—	3·5	—	3·6	—	3·6	—	3·6	—	3·6	—	3·8	—	4·0	—	4·6	—	4·8
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 17 metres + 13 metres

JULY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
290	4·2	290	5·6	285	5·9	280	5·5	295	5·4	300	5·3	300	6·0	305	6·2	315	5·8	300	6·5	300	6·5	305	6·4	4·8	1
275	5·0	275	4·6	270	4·5	275	4·7	270	4·9	260	4·5	250	3·5	225	2·8	180	2·6	165	3·6	160	5·3	165	5·5	5·1	2
275	5·7	280	5·7	275	5·2	270	4·6	265	4·8	230	4·6	235	4·2	235	4·0	185	3·2	165	4·3	170	5·4	170	5·2	4·8	3
225	8·5	225	8·8	225	8·5	225	8·1	225	8·7	225	8·1	225	7·4	220	7·8	215	7·5	225	7·5	210	6·5	230	7·2	7·2	4
220	5·0	220	6·1	220	5·6	220	5·5	210	6·5	215	5·8	200	4·9	185	4·2	180	3·6	185	3·3	180	3·4	175	3·4	5·3	5
200	4·2	185	5·6	180	5·5	185	5·7	185	5·7	190	5·0	185	4·8	180	3·6	180	3·2	180	2·6	175	2·7	175	3·4	3·9	6
275	5·0	275	4·6	275	4·7	280	4·8	275	3·9	270	3·6	265	2·9	260	3·2	230	2·0	275	2·1	185	2·5	-	...	3·2	7
270	4·0	280	4·7	275	4·5	280	3·8	280	3·0	275	2·9	290	2·4	300	2·3	315	2·2	310	1·4	300	1·0	300	2·8	2·8	8
275	5·3	280	4·9	280	5·5	290	5·0	290	4·8	280	5·1	290	4·8	295	4·2	305	2·7	320	1·7	320	2·7	330	1·6	3·7	9
330	7·8	330	7·3	325	8·6	325	8·2	320	8·4	325	7·6	325	6·6	325	6·5	325	4·8	320	5·5	325	5·0	315	4·2	5·2	10
290	5·5	290	5·0	275	5·2	280	5·4	275	5·7	275	5·0	270	4·5	245	3·9	220	2·4	185	2·6	175	3·1	175	4·1	4·9	11
230	6·6	255	6·1	265	5·6	290	5·8	290	5·6	295	6·0	290	6·1	285	6·4	285	6·4	275	7·3	280	5·9	280	7·1	6·7	12
260	8·6	260	8·9	260	8·1	260	7·5	260	7·4	260	7·1	255	6·3	250	6·4	255	6·1	235	3·9	225	5·2	230	5·5	7·2	13
230	8·7	230	7·9	220	7·5	220	7·9	215	8·8	220	7·3	205	5·5	200	4·1	210	3·4	200	2·8	175	2·6	170	2·3	6·1	14
305	5·2	300	5·2	310	6·6	310	6·1	305	5·5	305	5·0	305	4·1	300	4·4	295	4·3	300	3·5	290	3·3	290	3·1	3·8	15
190	4·5	190	5·0	190	5·2	185	5·2	185	4·4	175	4·0	150	4·5	100	3·0	90	3·8	90	3·7	85	3·9	80	4·6	2·8	16
95	7·0	105	4·6	120	4·3	110	3·4	140	2·5	75	1·5	70	3·3	-	...	-	...	-	...	-	...	-	...	4·3	17
320	7·3	325	8·1	340	7·3	330	6·9	330	8·0	325	7·1	325	7·5	325	8·0	320	6·2	310	5·1	300	5·5	295	5·4	4·7	18
290	5·4	295	5·2	295	5·7	300	5·2	295	5·6	300	5·0	300	5·0	325	5·5	320	4·8	315	2·7	320	4·5	305	4·3	4·8	19
345	5·2	335	5·2	310	5·5	315	5·4	325	5·5	320	5·6	325	5·4	325	5·2	320	4·7	320	4·0	315	3·4	320	4·0	5·0	20
325	2·5	350	3·1	360	2·9	325	3·0	330	4·7	340	6·2	340	6·5	355	4·5	350	3·5	75	1·0	80	1·1	-	...	2·8	21
125	3·6	125	4·2	150	5·2	130	6·0	115	4·7	100	7·6	100	10·0	100	10·5	100	9·5	110	9·6	130	9·8	150	7·6	4·3	22
230	12·3	225	13·8	225	14·8	230	14·1	230	14·8	235	14·8	240	14·9	240	15·0	240	15·0	245	15·3	245	14·8	245	14·9	11·4	23
255	9·7	250	9·6	255	9·9	250	9·7	255	9·0	270	6·9	260	6·2	260	6·5	255	5·8	250	5·2	250	5·5	245	4·5	9·5	24
275	6·2	280	6·5	280	6·7	280	6·7	280	6·4	285	5·8	280	4·8	280	4·5	285	4·4	290	3·9	290	3·8	290	3·0	5·1	25
275	5·0	285	4·8	275	4·2	275	4·6	275	4·3	275	3·5	275	3·2	275	3·0	270	2·8	180	2·1	170	3·0	170	3·1	3·4	26
180	8·1	175	8·5	175	8·3	180	8·5	165	6·9	160	6·0	135	3·3	80	2·2	80	2·7	80	2·0	90	1·2	75	1·1	5·7	27
340	11·9	340	11·4	345	10·5	340	9·9	340	10·3	340	9·7	345	9·7	340	8·5	350	7·0	355	5·4	355	5·4	355	5·0	6·8	28
335	9·0	340	8·0	340	7·1	340	6·8	345	8·4	340	7·7	340	7·6	345	6·4	355	5·0	350	5·1	350	3·7	360	2·9	6·1	29
260	4·5	220	6·0	230	5·8	225	6·4	225	6·8	230	6·1	230	6·5	250	6·9	240	5·2	220	5·4	220	5·3	230	5·5	4·1	30
270	5·9	270	4·6	255	5·2	260	5·3	270	3·8	275	3·2	280	3·1	320	2·7	315	3·3	320	3·0	310	3·4	300	3·2	5·7	31
---	6·4	---	6·4	---	6·5	---	6·3	---	6·3	---	5·9	---	5·7	---	5·3	---	4·7	---	4·2	---	4·4	---	4·3	5·2	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	Day
270	3·7	265	3·8	265	4·6	265	4·7	255	3·8	240	3·2	225	4·1	220	3·4	200	4·6	195	5·0	185	7·3	200	6·9	3·6	1
275	8·1	275	7·5	310	7·6	315	8·9	305	7·4	315	6·7	305	6·6	300	5·7	300	5·8	285	5·4	295	5·4	290	5·5	7·8	2
290	5·9	290	6·7	295	6·5	310	6·2	315	6·3	320	5·9	320	5·9	325	5·4	320	5·1	320	4·8	320	5·0	320	4·6	5·6	3
270	5·9	285	5·7	280	4·6	270	5·4	280	5·2	280	5·0	310	3·5	295	3·1	285	2·9	275	3·8	275	2·3	170	2·6	4·2	4
260	5·4	260	5·7	260	6·4	260	5·5	255	5·4	260	4·7	200	3·3	195	3·4	220	6·4	225	8·3	230	8·3	235	7·8	5·4	5
340	9·2	340	9·7	340	9·1	340	8·6	335	7·3	335	8·0	340	7·0	335	5·7	360	4·2	360	3·7	355	3·0	360	3·2	7·2	6
245	5·2	235	5·3	225	5·5	220	4·8	210	4·5	205	3·9	175	4·2	180	5·0	170	5·5	165	6·8	165	8·1	180	5·9	3·2	7
190	6·1	200	5·6	205	5·5	195	5·1	185	5·7	190	5·9	175	5·4	200	3·2	255	1·5	260	1·1	345	1·9	345	2·2	5·2	8
320	3·7	315	4·8	330	4·3	330	3·6	290	3·5	295	3·5	310	3·0	320	1·6	315	1·0	-	...	205	1·2	255	1·8	2·8	9
180	6·0	185	6·2	180	5·6	180	5·2	190	5·1	185	5·0	180	4·4	175	4·9	175	4·1	330	2·7	325	3·7	320	3·4	3·8	10
260	5·8	240	4·9	255	5·8	250	5·7	255	6·7	260	6·5	265	6·4	275	5·6	275	5·8	275	5·7	290	6·9	290	6·2	4·9	11
310	3·2	270	3·0	270	2·6	270	3·0	240	3·2	265	3·1	250	2·7	220	2·7	265	3·1	215	2·4	215	2·8	180	2·5	3·5	12
185	9·4	190	9·9	190	9·0	185	9·0	190	8·2	195	7·2	205	7·6	210	6·0	205	4·9	205	5·3	205	5·0	205	4·7	6·8	13
225	4·4	235	4·8	225	4·5	230	4·3	240	4·0	230	4·1	230	3·5	230	3·5	220	3·1	185	2·7	240	1·6	215	2·2	3·8	14
325	4·3	325	3·9	300	3·8	300	2·7	275	4·1	270	3·3	290	1·7	275	1·1	-	...	-	...	-	...	-	...	2·9	15
160	8·9	165	9·0	165	8·4	165	8·5	170	8·2	170	7·8	165	6·8	170	6·5	175	6·4	180	6·5	165	5·9	160	5·6	5·6	16
265	5·6	275	5·3	275	5·0	275	5·8	280	5·7	275	5·0	280	4·8	280	3·9	275	3·9	270	3·7	265	4·3	260	5·0	5·2	17
215	6·6	225	5·5	220	6·7	220	6·9	215	5·7	210	4·6	215	4·8	165	5·4	170	6·0	185	9·1	180	8·6	180	9·4	5·4	18
255	7·3	250	6·1	255	5·3	275	4·2	300	3·0	320	3·7	315	3·8	340	3·7	340	3·8	330	2·9	330	2·7	330	2·2	5·8	19
265	3·6	270	3·1	270	3·2	320	3·6	320	5·0	325	4·0	325	4·2	315	3·0	325	3·2	320	3·3	330	3·5	330	1·2	2·5	20
275	4·6	265	5·0	270	5·2	270	4·4	275	3·9	295	3·8	310	3·5	315	2·2	300	2·8	320	1·8	-	...	-	...	2·9	21
265	3·6	240	4·6	240	5·5	235	5·8	235	5·1	235	5·0	230	3·8	190	2·7	165	·0	170	3·5	175	5·0	180	5·3	2·6	22
215	3·4	215	3·1	225	4·5	220	3·8	220	2·7	210	2·8	210	2·2	170	2·1	175	1·2	170	2·0	175	1·4	180	2·0	3·6	23
270	(1·0)	-	...	-	...	-	...	-	...	-	...	-	...	-	...	-	...	-	...	-	...	-	...	0·7	24
120	3·6	270	3·1	270	2·5	270	3·0	305	2·2	310	1·8	275	1·2	80	3·4	100	5·2	140	2·0	80	3·4	80	2·3	2·1	25
120	8·3	120	7·8	125	4·9	120	5·0	130	4·9	90	5·0	85	4·8	105	4·8	105	5·2	105	5·5	105	6·9	90	5·2	5·4	26
155	2·3	170	3·7	190	5·5	345	3·3	320	3·5	340	3·9	345	2·2	115	2·4	-	...	-	...	-	...	-	...	3·6	27
265	3·5	270	3·6	270	2·8	265	2·1	265	1·9	265	1·7	335	1·4	-	...	-	...	-	...	-	...	-	...	1·3	28
205	3·0	220	2·7	235	3·8	260	4·0	280	3·7	280	2·6	280	1·2	-	...	-	...	-	...	-	...	-	...	1·6	29
330	2·9	320	3·1	315	3·2	300	3·0	315	3·1	305	2·5	330	3·3	345	3·4	350	3·0	340	2·5	345	2·4	330	1·5	2·0	30
310	2·8	270	2·8	270	2·6	265	2·9	270	2·8	270	2·8	275	1·6	-	...	190	1·2	170	4·0	175	3·1	175	1·8	2·1	31
---	5·1	---	5·0	---	5·0	---	4·8	---	4·6	---	4·3	---	3·9	---	3·4	---	3·4	---	3·5	---	3·6	---	3·4	4·0	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second

421 **VALENTIA OBSERVATORY:**
Dines Pressure Tube Anemometer from Jan.,1926 — H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	190	2·1	200	2·1	190	3·1	155	3·7	60	3·1	255	2·2	180	3·0	175	5·0	130	4·9	150	5·6	155	6·8	155	6·5
2	215	7·1	220	6·8	210	5·4	215	4·7	205	4·0	200	5·0	185	4·5	170	5·5	165	6·0	180	7·5	180	8·1	175	8·0
3	180	5·3	195	3·4	155	1·2	180	2·0	195	2·5	185	2·2	170	3·9	165	(4·9)	175	(4·2)	185	(3·6)	230	3·2	260	4·6
4	300	8·2	300	8·2	300	9·0	295	7·7	305	7·9	300	7·2	300	6·6	290	5·8	290	5·6	280	5·3	275	7·2	275	5·9
5	295	7·5	300	9·2	300	8·0	300	9·1	300	9·2	295	9·0	295	8·0	300	9·2	300	8·8	295	8·9	300	9·2	295	8·7
6	275	4·2	265	4·1	255	5·0	225	4·6	220	3·6	195	3·8	185	4·3	190	5·6	185	6·6	170	8·8	170	9·2	180	8·6
7	295	10·1	290	9·6	290	7·2	280	8·9	280	9·2	270	11·1	265	12·2	270	11·9	265	12·0	270	12·0	270	12·6	270	12·2
8	285	8·5	290	8·2	285	8·2	295	8·2	295	8·0	295	7·0	295	6·5	300	5·9	300	5·0	300	3·8	280	3·4	275	3·0
9	150	5·9	160	5·4	160	6·7	170	6·2	180	5·7	180	5·7	195	5·2	200	5·0	215	4·3	225	4·3	225	3·9	230	5·0
10	160	2·8	165	4·0	170	3·4	155	4·6	155	3·1	165	5·0	175	4·5	175	5·2	170	7·0	175	8·0	180	8·1	170	7·5
11	160	7·9	165	8·7	160	8·8	155	10·0	155	9·1	150	9·6	150	9·9	150	9·6	150	9·5	150	10·1	155	10·1	150	9·9
12	170	2·5	170	3·0	180	3·1	190	3·0	185	3·0	180	2·9	180	3·1	185	3·0	215	3·4	225	3·4	230	4·1	230	4·7
13	185	3·3	185	3·5	190	4·0	190	4·2	185	4·0	180	4·0	190	4·3	190	4·5	195	4·6	205	7·5	260	5·0	195	2·4
14	285	6·2	295	7·0	300	7·0	295	7·6	295	7·9	295	7·6	295	7·2	300	6·7	305	5·5	305	5·4	300	6·0	305	6·2
15	340	1·7	345	1·4	360	2·0	-	···	-	···	50	1·6	-	···	-	···	-	···	-	···	290	1·3	320	1·7
16	-	···	50	2·4	55	1·1	50	1·0	55	1·9	-	···	50	2·0	-	···	-	···	-	···	195	1·1	275	1·6
17	55	1·6	-	···	50	1·6	50	1·0	55	1·6	50	1·2	-	···	60	1·0	50	1·3	-	···	275	1·1	325	2·1
18	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	45	1·0	-	···
19	330	2·9	330	1·6	340	4·0	360	3·1	60	1·1	330	1·2	335	1·4	-	···	-	···	345	1·6	50	2·0	40	2·2
20	95	2·0	90	1·3	45	1·6	60	1·0	85	3·6	80	4·0	85	3·6	85	2·9	90	4·1	85	3·9	90	3·0	85	4·8
21	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	320	2·4
22	-	···	50	1·6	60	1·6	-	···	50	1·1	-	···	-	···	-	···	50	1·0	45	1·0	-	···	290	1·0
23	-	···	-	···	85	1·7	110	1·6	100	3·9	105	4·9	100	4·1	95	4·7	90	5·0	105	4·7	120	4·3	120	4·0
24	100	7·6	100	7·0	95	7·5	95	9·8	105	8·4	105	9·7	100	10·9	100	11·0	110	9·8	140	8·4	170	8·3	175	7·0
25	180	2·1	180	2·3	170	1·3	175	1·1	170	1·0	-	···	-	···	150	1·0	45	1·1	-	···	-	···	185	2·2
26	-	···	-	···	-	···	35	1·0	30	1·0	-	···	-	···	-	···	-	···	60	(5·2)	50	2·5	65	1·5
27	75	1·8	-	···	-	···	—	···	-	···	-	···	-	···	360	2·0	355	5·6	350	6·3	340	7·2	345	7·6
28	60	4·5	55	3·0	80	2·3	100	1·8	55	1·0	80	1·4	90	2·9	-	···	65	2·5	65	3·1	70	3·9	85	4·7
29	80	5·0	80	5·2	85	5·0	85	4·9	80	4·9	80	5·1	85	5·0	90	5·4	90	5·4	90	4·6	100	4·5	100	3·6
30	115	4·9	100	4·0	105	4·0	100	3·3	95	3·8	95	3·9	100	4·2	100	3·3	125	3·1	135	3·5	145	3·7	145	5·1
Mean	—	4·0	—	3·9	—	3·9	—	3·9	—	3·9	—	4·0	—	4·0	—	4·1	—	4·3	—	4·7	—	4·7	—	4·8

422 **VALENTIA OBSERVATORY:** H_a = 17 metres + 13 metres

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	135	4·1	140	4·8	145	5·5	145	5·6	140	5·2	140	5·2	130	5·1	145	5·3	150	7·0	165	7·4	170	9·1	155	9·9
2	150	9·7	150	10·6	145	10·1	145	10·7	145	11·0	150	11·8	150	11·8	150	12·0	145	12·4	150	12·1	145	12·6	145	13·1
3	140	12·0	145	11·7	140	12·6	140	11·5	140	10·5	130	10·9	130	10·7	130	10·1	130	10·3	130	10·0	130	10·3	125	10·8
4	135	7·8	130	7·2	135	6·0	140	6·0	125	5·2	90	4·7	100	6·4	105	6·8	95	8·4	95	7·6	105	7·5	95	6·2
5	100	3·7	100	3·5	90	4·8	100	5·5	95	4·9	100	6·2	100	6·3	90	6·2	90	5·1	90	4·5	90	5·0	95	5·0
6	80	4·4	85	5·0	80	3·1	85	2·6	80	2·5	75	5·1	80	4·5	90	3·5	95	4·6	90	4·4	110	5·8	105	5·3
7	90	4·8	95	4·9	100	5·9	95	6·0	95	5·5	90	5·1	90	4·8	90	4·6	90	4·0	90	3·2	150	5·0	155	6·2
8	135	6·3	140	6·3	135	6·7	135	6·4	130	6·0	115	5·2	95	4·7	90	5·6	90	5·8	95	6·5	100	7·6	105	7·3
9	75	3·0	85	3·3	85	2·7	85	3·0	90	2·9	90	3·3	80	4·3	95	3·2	80	4·3	65	4·1	50	4·0	45	3·8
10	50	1·9	60	3·0	65	1·2	55	1·0	70	1·5	35	3·2	20	4·7	5	4·2	80	3·5	75	3·5	65	3·8	65	4·7
11	60	2·0	50	2·0	60	1·8	80	1·7	70	2·1	50	1·5	50	1·3	180	1·3	-	···	-	···	30	2·0	40	2·2
12	-	···	-	···	-	···	-	···	-	···	55	1·3	55	1·1	-	···	-	···	-	···	-	···	330	1·5
13	310	1·2	320	3·4	320	3·7	330	5·2	315	3·6	310	2·9	315	4·7	305	3·9	310	4·9	320	5·3	320	5·5	320	6·8
14	245	8·7	255	9·8	260	9·8	270	9·9	270	9·3	275	9·0	275	7·8	280	6·9	285	6·8	290	7·3	290	7·9	290	8·1
15	290	(4·8)	300	(4·7)	305	(4·7)	300	(4·9)	300	(4·9)	300	(4·7)	295	4·9	290	4·7	280	3·0	270	(3·0)	270	5·4	270	5·5
16	295	4·7	260	3·6	255	4·7	270	4·3	260	2·9	240	3·5	230	3·3	230	3·8	230	4·6	245	4·8	230	5·2	225	6·9
17	225	8·5	220	9·7	215	9·9	210	9·8	215	9·8	215	10·3	215	10·9	220	11·0	225	11·8	225	12·8	230	11·8	230	10·1
18	300	7·9	300	7·4	300	7·1	305	6·8	315	5·9	310	4·8	305	4·4	310	4·5	305	3·4	305	3·1	300	3·5	290	4·2
19	265	10·7	270	11·1	270	10·9	270	10·0	275	10·4	310	8·5	320	10·2	340	10·6	340	9·9	340	9·1	345	10·1	340	9·7
20	340	4·2	335	5·4	350	3·9	330	5·4	350	3·7	345	4·1	340	4·7	325	4·1	315	3·2	355	2·2	315	3·0	265	2·0
21	200	2·2	210	2·3	185	2·6	50	1·3	-	···	-	···	240	1·4	215	1·5	45	1·0	55	1·5	190	1·3	260	4·3
22	195	4·9	195	5·2	195	5·5	205	4·7	180	4·5	180	5·2	185	5·2	190	7·2	185	6·8	185	7·5	180	7·5	185	8·4
23	190	9·6	280	4·1	270	2·2	175	2·5	175	2·5	260	5·6	255	5·5	255	6·0	265	6·5	260	6·4	265	7·6	265	7·7
24	225	4·0	225	4·5	225	4·7	220	4·7	230	5·2	215	5·4	225	6·9	210	7·8	215	9·1	215	10·2	215	11·4	215	10·9
25	290	11·3	295	11·2	295	10·8	295	12·0	290	11·0	295	11·3	285	10·7	290	12·1	290	10·5	300	10·8	295	11·3	290	11·7
26	180	5·5	185	7·3	255	9·1	255	10·5	255	11·9	255	11·5	255	12·4	250	11·6	240	12·2	240	13·0	240	14·0	245	13·5
27	295	12·2	300	10·5	290	10·2	290	10·1	290	8·4	285	8·7	285	8·0	270	9·7	270	10·6	270	9·5	275	9·0	290	9·9
28	305	7·4	320	5·9	310	5·2	320	5·5	310	4·5	305	3·9	300	3·0	290	2·0	205	2·0	190	2·1	190	2·1	210	4·0
29	180	(4·6)	190	(4·0)	220	(4·6)	225	(4·3)	215	(4·3)	220	(4·0)	225	(4·4)	225	3·9	220	5·1	210	5·9	225	7·2	225	7·4
30	280	7·5	225	7·1	220	6·0	205	6·3	210	7·3	210	8·4	210	8·9	225	6·2	310	1·9	20	3·6	315	2·1	310	2·2
31	360	8·1	360	7·0	360	5·6	5	5·5	360	5·5	360	4·5	360	4·4	5	2·7	345	3·2	325	4·4	325	4·3	325	4·9
Mean	—	6·1	—	6·0	—	5·9	—	5·9	—	5·6	—	5·8	—	6·0	—	5·9	—	5·9	—	6·0	—	6·6	—	6·9
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 17 metres + 13 metres

SEPTEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
160	6·4	150	4·9	160	7·4	155	7·2	155	8·0	160	8·0	180	7·7	200	8·0	210	8·6	225	8·7	225	7·7	215	6·9	5·7	1
170	9·2	180	9·6	170	9·6	170	8·6	185	7·4	185	6·1	165	6·3	170	6·1	185	5·0	185	5·1	185	4·8	185	6·2	6·5	2
260	4·6	265	4·1	260	4·1	230	5·9	215	4·9	210	4·5	225	3·4	250	2·6	250	4·5	275	6·3	290	7·5	290	8·2	4·2	3
270	6·9	270	7·0	260	8·3	280	5·2	270	3·5	260	5·8	270	4·8	275	4·6	295	6·3	295	5·9	290	6·1	295	7·9	6·5	4
305	9·1	295	7·5	295	7·9	235	8·2	290	8·1	295	8·2	295	6·6	300	7·2	300	7·2	300	7·4	300	5·4	290	5·5	8·0	5
190	8·7	195	7·9	180	8·9	175	9·5	165	10·0	165	8·0	165	6·7	180	4·9	180	5·0	300	9·8	305	9·0	295	9·7	6·9	6
270	12·7	270	11·8	270	11·3	275	10·2	280	10·2	275	9·9	275	9·8	280	9·9	280	10·1	280	9·9	285	8·8	285	9·5	10·5	7
270	2·7	240	3·5	235	2·6	170	3·0	175	4·1	170	4·3	175	4·5	160	5·0	140	3·4	155	4·2	155	5·0	165	5·6	5·1	8
260	4·0	265	5·1	270	4·1	265	4·5	220	3·2	225	3·1	225	3·2	195	2·9	175	3·5	175	3·1	180	2·9	190	3·2	4·4	9
180	8·6	170	9·5	165	7·9	165	7·7	160	8·7	165	7·6	170	7·8	170	7·1	165	6·5	165	6·9	165	7·5	160	7·6	6·5	10
150	9·5	155	9·0	160	7·8	160	6·2	185	6·6	165	4·8	170	4·8	180	4·4	255	1·7	185	2·0	195	2·6	185	2·4	7·3	11
240	5·1	235	5·4	235	5·8	235	6·1	235	6·0	230	5·4	225	3·8	185	3·0	185	3·0	175	3·3	170	3·9	180	3·3	3·9	12
215	4·5	220	5·0	235	4·0	240	6·0	235	6·6	230	6·6	225	5·7	230	5·5	240	5·3	230	4·3	255	5·0	260	5·5	4·8	13
310	6·2	305	5·7	325	7·5	325	6·9	320	6·0	325	5·1	330	5·0	330	4·2	345	3·1	360	2·8	360	2·2	10	2·0	5·7	14
315	2·5	275	2·9	275	3·6	275	3·0	270	2·1	275	1·5	-	···	-	···	-	···	55	1·7	60	1·1	55	1·3	1·4	15
280	1·8	265	3·0	265	3·0	265	2·9	285	2·0	330	1·5	-	···	-	···	-	···	55	1·8	-	···	55	1·7	1·4	16
25	2·2	330	3·7	330	3·7	320	3·4	290	2·5	275	1·0	350	1·0	-	···	140	1·3	-	···	-	···	185	1·0	1·5	17
290	1·2	305	2·8	315	3·6	320	3·4	325	3·7	340	3·0	330	3·1	335	3·1	325	3·0	320	4·6	330	3·0	335	3·2	1·8	18
70	2·2	60	2·8	75	1·2	60	2·5	10	1·8	-	···	170	1·2	180	2·5	170	3·1	170	2·2	-	···	-	···	1·8	19
105	5·0	115	1·4	245	1·0	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	2·0	20
315	2·4	270	2·1	295	2·0	300	1·9	310	1·0	310	1·0	-	···	-	···	-	···	-	···	-	···	45	1·2	0·9	21
275	1·9	265	2·6	265	2·1	265	2·2	265	1·8	-	···	-	···	-	···	-	···	-	···	-	···	-	···	1·0	22
110	4·9	110	5·5	110	4·5	105	4·3	100	5·8	100	5·5	95	5·6	100	5·8	105	7·4	105	7·2	115	6·7	120	6·0	4·5	23
170	6·7	170	7·4	175	7·8	180	5·2	185	3·7	170	5·1	170	3·9	150	3·4	160	4·7	165	4·7	185	2·9	180	2·0	6·8	24
280	2·5	275	2·5	285	2·1	310	2·5	330	1·7	-	···	-	···	-	···	-	···	-	···	-	···	-	···	1·2	25
60	2·0	45	2·7	50	3·0	20	3·0	90	2·2	100	1·9	70	2·2	70	2·4	65	3·3	60	2·9	80	4·2	60	3·1	2·0	26
350	7·7	350	7·1	350	6·4	345	7·3	355	6·6	355	6·1	355	4·7	360	5·5	5	3·8	10	2·7	10	4·6	65	4·2	4·2	27
115	5·1	105	4·7	115	4·9	110	5·5	110	4·9	110	4·8	110	4·6	110	4·5	85	3·3	85	4·4	85	4·6	80	4·5	3·6	28
110	3·3	100	4·1	160	5·0	160	4·8	150	4·6	145	4·1	125	3·1	125	3·1	115	3·5	95	4·1	105	4·5	95	4·9	4·5	29
150	4·8	160	4·8	165	4·9	150	4·2	130	3·8	135	4·0	130	3·5	115	4·0	110	4·0	120	4·6	130	5·1	140	4·9	4·1	30
—	5·1	—	5·2	—	5·2	—	5·1	—	4·7	—	4·3	—	3·9	—	3·8	—	3·8	—	4·1	—	4·0	—	4·1	4·3	

OCTOBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
150	9·7	155	8·5	155	9·5	155	9·8	155	9·7	150	9·7	150	9·0	150	10·1	150	10·2	150	10·0	145	9·7	145	8·5	7·9	1
150	12·1	140	11·6	140	11·7	140	10·2	140	9·8	140	9·7	140	10·0	140	9·3	135	9·9	135	11·4	140	11·0	145	10·8	11·1	2
130	11·8	115	12·6	115	11·6	115	9·6	125	11·6	130	12·4	130	12·5	130	12·1	140	9·7	145	9·7	145	9·4	140	8·3	10·9	3
100	10·3	100	10·0	85	7·1	90	7·7	90	6·6	90	6·8	120	5·3	150	3·7	145	4·5	135	4·0	125	3·4	90	3·6	6·4	4
95	4·7	100	4·8	100	5·7	95	4·8	90	4·2	100	3·8	90	2·4	90	3·3	95	2·6	85	3·2	80	2·8	85	3·6	4·4	5
125	5·9	105	4·4	100	4·2	130	4·0	95	4·1	90	4·1	90	4·5	90	4·4	95	4·7	90	5·5	90	5·3	90	5·7	4·5	6
170	6·1	180	6·5	150	5·6	145	5·5	140	5·2	150	5·1	130	4·3	120	5·0	110	5·0	115	4·8	130	6·4	130	6·1	5·2	7
110	6·8	105	6·1	100	5·3	110	4·9	100	4·9	100	5·3	100	5·7	100	3·9	80	3·2	75	4·8	70	5·9	65	4·1	5·6	8
50	3·9	65	3·7	65	3·2	55	3·7	40	2·4	75	2·5	40	1·7	65	3·2	60	2·6	45	1·8	45	2·6	30	3·8	3·2	9
30	5·0	30	4·8	50	4·9	45	3·2	35	2·7	60	1·8	60	1·6	-	···	-	···	55	1·1	85	1·4	50	1·6	2·7	10
60	2·9	40	3·0	360	3·5	360	3·0	85	2·5	60	1·6	75	1·1	40	1·5	45	1·7	200	1·1	85	1·2	-	···	1·8	11
330	3·4	325	3·5	340	4·9	325	5·0	335	4·1	330	3·7	330	2·5	340	2·8	10	1·5	360	1·3	-	···	350	1·0	1·8	12
325	6·6	310	6·1	300	5·4	295	6·1	295	5·8	290	4·9	290	6·2	300	6·6	275	4·3	260	6·5	265	7·6	250	7·2	5·2	13
295	7·5	295	7·7	295	7·9	305	7·3	310	7·0	325	6·0	325	5·2	315	5·0	310	5·0	300	5·2	295	5·1	290	4·8	7·3	14
270	5·0	270	5·4	285	5·1	295	6·4	305	5·1	300	5·2	295	5·8	295	4·9	295	4·7	290	4·0	280	3·9	270	5·6	4·8	15
225	7·6	225	7·9	230	7·8	225	7·8	225	7·6	220	7·1	220	7·2	220	8·4	210	8·6	220	8·6	220	9·3	225	7·5	6·2	16
270	5·7	270	5·6	270	6·8	270	6·7	270	7·3	275	8·3	275	9·1	295	8·6	295	9·8	300	9·1	300	8·8	300	8·3	9·2	17
275	4·5	275	5·4	280	5·9	280	5·0	275	4·9	265	5·5	240	5·6	270	7·2	260	7·4	250	7·9	260	9·4	270	10·2	5·9	18
340	9·8	340	10·0	335	9·9	340	9·0	340	8·9	340	8·1	340	7·4	340	6·5	345	5·2	345	5·4	340	4·6	350	5·6	8·8	19
270	2·7	300	2·4	305	2·8	295	3·6	270	2·7	315	1·6	270	2·4	260	1·5	185	1·0	300	2·3	290	1·5	285	1·7	3·0	20
255	5·4	235	5·7	240	6·1	240	5·3	235	3·9	200	2·7	180	3·7	175	4·0	170	4·0	175	4·0	215	4·2	210	5·2	3·1	21
185	9·3	185	9·2	180	9·4	180	10·1	180	9·3	175	8·9	185	9·0	185	9·9	185	9·9	185	10·5	185	11·8	190	11·3	8·0	22
265	7·3	275	7·2	275	6·4	275	6·3	265	6·7	270	6·5	265	6·3	250	5·4	230	4·2	270	5·5	235	4·7	235	5·1	5·7	23
225	11·6	225	12·6	230	10·9	230	10·4	230	10·4	235	10·0	235	9·5	230	10·4	245	9·7	245	10·1	270	10·7	285	11·0	8·8	24
300	10·8	300	10·6	300	10·9	290	10·3	285	9·9	280	9·4	280	7·8	275	8·0	275	7·6	255	6·8	235	5·5	195	4·1	9·9	25
245	13·6	255	13·6	260	12·5	275	12·9	280	12·1	280	12·2	290	12·1	290	12·3	290	12·5	295	13·5	300	12·6	295	13·4	11·9	26
290	9·7	300	10·9	295	10·7	295	10·9	305	10·8	310	9·9	330	9·4	320	9·5	315	8·6	300	7·3	310	7·4	305	7·1	9·5	27
225	5·2	215	5·2	200	4·8	165	6·9	170	7·0	160	7·1	160	7·7	165	7·3	165	7·7	175	6·4	180	5·4	185	5·0	5·1	28
205	6·6	205	8·0	210	7·4	205	7·5	205	8·0	210	7·7	215	8·0	230	9·5	230	8·9	235	8·8	230	8·3	230	9·5	6·6	29
315	1·3	-	···	280	1·4	310	1·0	345	7·8	360	9·4	5	8·6	10	10·9	10	6·9	360	4·5	345	5·9	360	6·4	5·5	30
330	5·2	330	5·5	325	5·6	325	5·3	330	2·4	315	2·6	295	3·4	265	1·0	170	1·1	170	1·4	-	···	-	···	3·9	31
—	7·0	—	7·1	—	6·9	—	6·8	—	6·6	—	6·4	—	6·3	—	6·3	—	5·9	—	6·0	—	6·0	—	6·0	6·3	

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

Y

WIND: DIRECTION AND SPEED

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second

423 VALENTIA OBSERVATORY:
Dines Pressure Tube Anemometer from Jan.,1926

H_a (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	225	1·6	205	2·9	195	3·0	225	4·1	235	4·4	235	5·3	230	5·6	230	5·7	230	7·6	235	8·4	230	9·0	235	9·7
2	345	1·3	350	2·8	355	2·7	355	3·1	350	3·1	350	2·4	350	2·3	355	1·5	325	1·7	310	1·6	-	···	270	1·2
3	350	7·6	5	6·0	360	4·9	360	4·8	5	4·4	360	3·9	350	3·5	360	2·8	10	1·9	295	1·7	305	3·1	(300)	(3·5)
4	200	3·6	225	4·0	280	5·0	280	2·8	205	1·9	175	3·0	210	3·5	170	3·2	170	3·5	175	2·9	240	4·8	220	4·9
5	245	6·8	240	7·3	240	8·4	235	9·3	240	9·4	270	8·4	290	8·9	270	8·0	250	8·3	270	9·5	265	9·8	265	9·9
6	185	9·9	185	11·7	170	12·6	225	9·2	245	7·1	230	5·9	270	5·8	275	7·0	280	5·6	290	5·7	265	7·2	255	8·0
7	250	8·4	250	8·3	250	10·8	265	11·0	260	11·2	240	10·2	250	12·4	260	15·1	270	16·0	275	11·6	300	8·4	280	8·4
8	275	14·0	270	13·9	260	14·8	260	14·5	260	15·4	260	15·0	265	13·9	265	15·3	265	14·2	260	15·2	260	14·0	255	14·4
9	295	7·4	295	8·5	300	7·7	300	8·0	295	7·4	300	8·6	295	8·1	300	8·0	295	8·1	310	6·8	310	7·2	305	7·5
10	295	10·0	290	10·1	295	10·3	295	10·0	290	8·6	290	8·6	285	9·6	290	7·9	280	9·8	280	7·3	270	8·1	305	7·8
11	160	5·5	150	6·6	135	7·1	125	8·9	110	9·7	120	10·8	130	12·1	120	13·7	115	10·8	160	6·9	210	7·9	205	6·5
12	345	10·2	355	11·0	360	11·8	10	11·4	10	12·5	10	12·8	10	12·5	10	12·2	10	13·9	10	15·2	15	14·8	10	12·4
13	-	···	-	···	-	···	-	···	55	1·3	55	1·0	-	···	-	···	-	···	145	2·8	160	4·3	155	6·8
14	220	5·5	225	7·5	240	8·9	250	6·8	275	8·2	275	8·6	280	8·5	285	8·4	285	7·1	285	6·5	290	8·4	300	7·1
15	230	6·4	230	7·8	225	8·5	220	9·1	230	9·8	225	8·3	230	9·0	230	9·0	230	8·8	230	9·6	230	10·1	230	10·1
16	160	2·7	160	3·4	145	2·7	-	···	175	3·1	180	3·8	235	5·6	230	6·3	230	6·5	225	7·5	210	7·8	210	8·5
17	200	4·9	170	3·2	190	3·1	165	3·7	165	2·4	-	···	-	···	-	···	-	···	-	···	-	···	325	2·9
18	35	4·5	35	4·6	90	2·1	185	1·2	95	1·8	-	···	50	1·0	30	1·5	-	···	75	2·6	80	1·0	100	1·0
19	-	···	-	···	55	2·4	-	···	60	1·1	-	···	50	1·9	60	2·3	65	1·0	-	···	-	···	-	···
20	-	···	-	···	-	···	-	···	-	···	60	1·0	55	1·1	-	···	55	1·8	40	1·0	45	1·1	50	1·1
21	60	1·6	65	1·3	55	2·0	45	1·8	50	1·5	50	1·4	50	1·2	60	1·4	50	1·3	55	1·2	55	1·4	45	1·4
22	140	2·9	120	2·7	95	2·8	75	3·2	75	3·0	75	3·1	80	4·0	80	3·4	80	3·6	80	3·8	80	5·0	85	5·0
23	120	3·1	120	3·9	145	7·7	145	7·7	135	6·7	140	6·2	150	8·0	150	8·3	150	8·0	160	6·5	190	6·0	195	6·8
24	190	3·0	180	3·0	185	2·7	175	2·9	170	3·1	165	2·2	165	2·6	165	3·8	170	3·4	165	2·6	165	3·7	165	4·1
25	-	···	-	···	120	1·6	-	···	-	···	-	···	100	2·4	90	3·0	90	3·1	95	1·8	-	···	85	1·2
26	-	···	50	1·1	40	2·2	35	1·9	80	1·7	80	1·2	-	···	-	···	-	···	-	···	-	···	-	···
27	50	1·0	-	···	-	···	70	1·0	70	1·0	-	···	-	···	-	···	55	1·4	-	···	-	···	-	···
28	20	(5·5)	20	5·2	20	4·4	5	4·6	25	3·5	10	3·3	30	3·5	30	3·1	30	2·5	15	3·9	15	4·0	360	2·6
29	235	4·3	220	4·9	210	5·5	220	6·5	225	6·2	240	6·7	250	7·1	265	(7·0)	250	(6·5)	260	(6·2)	270	5·7	280	(4·0)
30	290	4·7	290	5·5	290	5·1	295	5·8	295	6·3	295	6·1	295	7·0	295	7·1	290	7·0	295	7·5	300	7·0	310	6·7
Mean	—	4·6	—	5·0	—	5·4	—	5·2	—	5·2	—	5·0	—	5·4	—	5·6	—	5·5	—	5·3	—	5·4	—	5·5

424 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	325	8·4	325	6·9	330	7·2	330	6·6	325	6·5	325	7·0	320	7·1	315	6·0	305	6·4	305	6·7	305	5·3	305	5·5
2	265	8·0	265	8·3	265	8·6	280	8·0	290	8·0	290	8·0	295	9·1	290	9·0	290	9·1	290	8·6	295	8·0	295	8·7
3	270	6·0	270	5·8	265	6·1	260	5·6	255	6·3	250	6·0	240	5·0	230	4·8	235	5·1	240	5·4	240	4·9	225	5·5
4	290	8·1	295	9·4	295	9·8	300	8·9	310	7·3	300	6·6	295	7·0	285	6·8	300	5·8	310	4·5	290	5·4	280	7·0
5	270	11·0	290	9·9	300	9·8	295	8·5	295	11·3	295	11·4	310	10·4	310	10·7	290	10·2	315	10·4	300	10·7	295	9·1
6	325	12·1	330	12·4	330	12·1	335	12·0	330	11·8	335	11·0	340	10·8	330	11·6	335	9·8	355	9·3	340	9·3	335	9·8
7	-	···	60	1·3	170	4·6	180	5·3	220	6·5	265	7·5	280	(7·4)	285	(8·4)	290	(8·0)	295	(7·7)	300	6·7	290	5·9
8	255	5·9	250	6·6	255	6·8	255	7·5	260	8·4	260	7·6	265	6·1	265	6·8	275	6·2	280	6·8	290	6·3	330	4·0
9	-	···	55	1·0	60	2·5	65	1·1	55	1·3	-	···	60	2·6	60	1·6	-	···	60	1·0	65	1·1	-	···
10	155	6·0	155	6·7	155	6·0	145	5·2	170	4·7	165	6·5	155	7·4	155	7·9	160	7·7	160	7·5	155	7·2	160	7·6
11	175	4·8	175	5·1	170	4·9	190	3·9	190	4·5	185	4·1	325	5·7	345	7·9	350	8·1	355	7·7	350	7·3	355	7·4
12	315	5·0	340	5·0	350	2·2	310	3·1	305	5·1	305	2·7	290	5·5	290	5·4	10	2·2	-	···	50	1·9	65	1·5
13	55	2·2	175	4·5	180	3·8	190	4·6	180	4·8	210	5·7	205	7·3	205	8·8	205	10·5	200	10·9	210	13·5	205	12·6
14	240	7·2	240	6·2	240	6·6	240	5·7	255	5·1	225	3·2	240	3·1	230	2·6	195	3·1	195	3·8	195	3·9	55	3·3
15	300	6·1	285	5·6	275	4·8	290	3·3	275	5·9	265	6·0	245	6·0	245	7·2	235	5·4	215	5·4	215	7·8	210	7·8
16	260	13·2	260	12·1	260	12·3	265	13·0	270	11·9	270	12·4	270	12·7	265	11·0	270	9·7	275	10·4	265	10·7	260	11·2
17	195	7·2	180	9·3	185	11·4	175	12·8	175	13·5	180	13·2	190	12·3	205	13·5	210	15·9	210	14·6	235	8·2	215	11·5
18	200	7·4	210	9·8	240	6·9	235	8·6	235	10·4	245	11·7	260	12·6	260	13·0	260	11·5	270	11·2	270	9·0	255	9·1
19	260	10·0	245	9·1	245	9·5	245	9·0	245	8·9	230	7·6	220	8·0	220	8·5	215	8·9	210	10·0	215	10·6	215	11·8
20	215	15·5	215	14·8	210	14·6	210	15·2	215	15·0	215	15·6	215	14·0	210	14·5	210	14·2	210	13·5	205	13·1	205	13·9
21	230	4·0	215	3·0	205	2·9	200	3·0	210	2·8	175	2·6	195	8·5	195	9·5	190	9·2	190	9·9	190	10·6	195	12·6
22	30	1·9	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	-	···	270	1·0	290	3·2
23	55	1·4	-	···	60	1·0	55	1·9	-	···	60	1·5	-	···	60	1·8	-	···	55	2·2	60	1·8	45	1·3
24	180	1·3	45	1·0	60	1·0	-	···	60	1·0	-	···	-	···	-	···	175	2·2	-	···	65	1·0	-	···
25	60	1·6	165	2·9	160	1·9	60	1·0	55	1·9	60	1·0	-	···	-	···	60	2·2	-	···	180	1·7	-	···
26	145	7·4	150	6·6	150	5·2	150	5·8	155	7·2	160	7·5	160	7·4	160	6·4	130	3·0	135	3·2	130	4·6	140	5·5
27	145	6·2	140	7·4	130	6·1	140	5·8	150	5·7	150	6·1	145	6·0	150	6·6	145	6·5	140	6·9	130	6·5	145	7·5
28	140	10·1	140	8·9	140	6·2	135	7·3	130	6·8	90	6·9	85	6·9	95	8·6	90	9·0	90	9·0	85	7·2	80	7·7
29	185	5·3	160	5·7	180	7·0	285	6·6	290	7·8	300	7·7	300	8·2	300	7·1	300	7·0	305	6·4	300	5·7	295	5·1
30	210	8·7	210	9·9	210	10·1	210	10·2	205	10·4	210	9·9	205	9·8	205	10·1	205	10·0	200	9·8	210	11·9	210	11·5
31	210	13·1	215	14·2	215	12·6	225	9·4	220	8·3	210	8·7	210	7·9	210	8·1	215	8·7	210	8·1	220	8·7	215	8·2
Mean	—	6·6	—	6·8	—	6·6	—	6·4	—	6·8	—	6·7	—	7·0	—	7·3	—	7·0	—	6·8	—	6·8	—	7·0
Mean	—	4·8	—	4·9	—	5·0	—	4·9	—	4·9	—	4·9	—	4·9	—	4·9	—	5·1	—	5·4	—	5·7	—	5·9
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 17 metres + 13 metres

NOVEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
235	8·7	240	8·1	255	9·4	270	6·8	280	5·1	295	7·2	305	6·3	315	3·7	345	4·5	355	3·7	5	2·9	5	1·9	5·7	1
265	1·8	225	1·2	210	2·8	170	3·4	170	3·5	170	3·5	190	2·8	240	3·0	250	4·2	260	4·5	345	6·2	340	7·3	2·9	2
300	4·0	285	3·7	270	3·5	275	4·2	215	2·8	180	2·9	270	4·8	215	3·5	180	4·2	170	5·1	175	4·6	205	3·6	4·0	3
200	4·1	245	4·8	270	6·0	260	4·5	235	3·2	250	5·0	270	6·0	205	2·5	200	3·1	240	5·2	240	7·4	230	6·2	4·2	4
270	9·6	270	9·2	255	7·9	255	6·4	215	5·1	185	3·6	180	5·4	200	5·0	180	5·6	190	6·9	185	7·8	175	9·0	7·7	5
250	8·2	240	8·6	230	6·1	225	4·0	215	3·1	280	6·0	290	8·5	285	6·2	260	6·6	240	6·0	250	6·8	260	9·2	7·3	6
275	8·2	295	7·0	285	10·9	280	13·5	285	13·0	280	15·0	285	14·5	275	15·0	275	14·5	275	14·4	275	13·5	275	14·2	11·9	7
250	14·4	245	15·2	240	14·8	240	13·7	255	14·7	265	14·6	265	14·0	280	9·8	280	8·9	290	7·4	295	7·8	300	8·0	13·2	8
310	8·5	310	8·6	310	8·6	320	9·4	315	10·0	320	11·5	310	10·5	300	10·5	300	10·2	290	10·7	300	9·8	300	9·9	8·8	9
280	10·5	275	7·5	270	8·0	285	7·3	285	6·2	285	5·0	265	4·2	180	3·1	175	2·7	55	1·6	160	4·0	160	5·0	7·2	10
205	8·6	185	6·6	165	6·0	145	5·0	145	3·1	55	2·3	-	···	-	···	25	2·9	340	2·2	360	5·1	350	7·0	6·5	11
5	11·2	350	11·7	345	13·5	345	12·8	350	11·4	355	10·5	5	10·3	10	9·8	5	9·0	360	5·5	360	4·6	15	4·8	11·1	12
160	7·5	175	8·2	175	6·7	265	7·4	275	4·1	265	2·7	240	2·8	250	3·3	235	3·6	200	3·1	195	3·8	210	4·0	3·2	13
295	7·4	290	6·6	285	6·9	290	6·5	270	5·4	260	6·3	245	5·2	270	5·6	180	3·8	225	5·0	225	5·2	225	5·6	6·7	14
225	8·8	220	6·8	230	5·6	265	5·7	275	3·5	260	1·8	230	1·4	210	1·6	210	1·5	190	1·7	200	2·0	180	2·1	6·2	15
210	8·4	210	7·9	210	7·3	210	7·4	205	7·9	205	8·0	205	8·6	210	8·0	210	7·0	210	5·7	210	4·7	190	4·9	6·0	16
335	2·5	330	4·7	340	5·4	25	4·8	35	5·3	30	5·6	85	6·9	70	7·6	50	3·7	50	3·1	50	5·0	35	5·0	3·5	17
270	1·2	325	1·4	-	···	75	1·2	-	···	-	···	45	1·2	-	···	105	1·1	-	···	-	···	65	1·0	1·3	18
-	···	-	···	-	···	-	···	-	···	-	···	80	1·2	90	1·2	-	···	-	···	-	···	-	···	0·8	19
-	···	120	1·8	130	3·5	130	4·5	130	4·7	125	4·2	45	1·0	110	1·9	25	2·2	110	1·3	-	···	-	···	1·5	20
90	1·6	95	2·7	220	1·5	290	1·3	-	···	-	···	-	···	125	2·2	110	3·7	110	4·0	105	4·3	110	3·5	1·8	21
80	3·7	90	3·6	90	4·8	120	4·8	120	5·8	115	4·1	130	2·9	65	2·3	120	3·0	120	2·0	130	5·5	125	3·7	3·7	22
185	7·6	200	7·0	220	6·2	225	5·8	225	5·1	225	4·5	220	4·3	225	4·5	225	4·1	225	3·6	210	3·0	190	3·1	5·7	23
190	4·0	190	3·8	190	4·5	170	4·2	160	4·5	155	4·7	160	3·3	150	3·5	140	5·0	100	3·5	100	2·5	-	···	3·4	24
90	1·2	120	1·5	110	3·0	110	2·9	90	2·5	95	3·0	95	2·5	95	2·1	30	1·1	45	1·3	40	1·0	10	1·0	1·6	25
-	···	-	···	330	1·0	-	···	-	···	-	···	-	···	60	1·5	50	2·1	55	1·5	50	1·3	45	1·7	1·0	26
-	···	-	···	-	···	-	···	270	1·3	335	2·3	5	1·7	5	2·8	360	4·2	360	6·8	5	(5·6)	10	(4·8)	1·7	27
350	2·0	330	2·2	325	1·5	330	1·0	-	···	-	···	-	···	-	···	-	···	180	1·6	180	3·5	180	3·6	2·7	28
280	(3·6)	275	3·4	290	3·3	275	1·9	300	4·0	305	2·2	275	1·7	275	3·3	275	4·8	280	4·9	285	4·6	285	5·1	4·7	29
295	7·5	315	8·6	310	7·7	320	8·7	325	9·5	330	9·7	320	9·8	325	8·8	325	8·9	325	8·2	325	8·9	320	9·0	7·5	30
—	5·6	—	5·5	—	5·6	—	5·4	—	4·9	—	5·0	—	4·8	—	4·5	—	4·6	—	4·4	—	4·8	—	4·9	5·1	

DECEMBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
290	6·7	285	6·8	300	7·5	290	6·9	300	7·3	295	5·9	295	5·1	285	6·4	280	6·4	270	8·8	265	8·9	260	8·2	6·9	1
295	9·1	290	8·0	285	6·8	280	7·1	280	6·2	280	5·6	280	4·5	280	5·1	275	5·4	275	4·1	275	6·0	275	5·9	7·3	2
225	6·5	230	7·2	230	8·0	240	9·1	240	9·3	235	9·8	230	10·6	240	10·7	260	10·2	275	8·4	280	10·8	280	10·2	7·4	3
280	6·8	270	7·9	260	7·8	250	8·0	265	8·9	260	7·9	260	9·7	260	9·3	260	10·2	260	10·9	270	10·3	265	9·0	8·1	4
305	9·5	305	9·7	305	9·4	310	10·0	305	10·1	300	10·8	305	10·8	305	10·9	315	11·4	310	11·8	315	11·9	320	12·2	10·5	5
335	10·1	335	9·6	335	9·5	340	8·5	335	8·0	340	8·3	355	5·7	350	4·9	360	2·7	345	1·1	30	1·4	-	···	8·4	6
300	5·0	305	5·1	295	5·2	290	4·4	285	4·0	275	2·3	265	2·5	265	2·9	265	2·9	265	2·7	270	1·4	260	4·2	4·7	7
330	4·1	345	5·0	345	4·9	345	4·2	355	4·6	360	4·4	15	4·2	20	3·5	360	1·9	-	···	-	···	55	1·0	4·9	8
180	1·1	170	3·6	165	3·6	155	4·4	155	4·9	165	5·6	155	5·9	160	6·2	155	6·6	150	5·6	150	6·6	155	6·1	3·1	9
160	7·0	165	7·2	165	6·9	160	6·8	160	6·3	160	5·2	160	5·5	170	5·0	160	5·8	160	6·0	160	5·7	165	5·0	6·4	10
360	7·7	355	7·1	355	7·1	360	7·5	355	6·3	355	5·3	360	5·7	5	4·1	360	4·2	340	4·4	335	4·1	320	4·6	5·8	11
40	5·2	275	5·6	270	5·5	270	5·6	265	6·9	275	5·0	225	5·0	275	5·1	280	4·3	285	3·3	230	2·7	185	3·4	4·1	12
200	11·7	200	13·0	205	14·4	215	14·6	225	14·2	240	12·5	240	7·8	230	9·5	235	10·8	235	11·5	240	8·6	240	8·4	9·4	13
50	3·5	25	9·1	20	10·2	10	10·8	355	10·9	345	9·9	355	9·6	335	9·2	320	8·2	310	6·9	320	6·7	320	8·2	6·5	14
210	10·0	210	11·6	210	12·5	200	15·9	200	17·6	200	17·5	200	16·7	210	16·0	245	10·2	245	11·0	255	11·4	250	12·7	9·8	15
265	11·5	275	12·9	260	10·8	270	10·4	260	10·8	260	9·8	245	7·5	240	6·8	230	5·2	190	4·6	200	5·4	200	6·6	10·1	16
225	12·7	220	13·6	220	14·6	220	13·8	235	12·9	240	12·1	240	10·7	235	9·8	215	8·5	215	9·2	215	8·3	205	7·5	11·5	17
260	9·8	260	9·0	255	8·3	250	7·8	275	8·7	235	6·0	210	6·2	240	6·7	260	7·9	275	7·9	275	9·2	255	9·3	9·1	18
220	12·9	220	14·0	215	13·8	220	13·9	215	13·7	215	13·6	215	14·1	215	13·6	210	14·6	210	14·3	215	15·2	215	16·4	11·7	19
210	14·4	210	13·9	210	11·7	210	14·5	210	13·3	210	14·9	210	13·2	215	12·5	210	13·0	215	9·1	220	6·8	225	5·9	13·2	20
200	12·3	195	12·6	200	8·3	315	3·0	350	6·1	345	8·9	350	6·8	5	5·6	5	5·4	15	5·9	30	4·9	85	5·0	6·8	21
295	4·8	290	4·8	290	4·9	300	4·2	300	4·5	300	4·4	305	3·7	295	3·0	325	1·2	-	···	-	···	70	1·0	2·0	22
-	···	185	2·4	180	2·8	180	3·3	190	1·8	170	3·2	175	2·2	170	1·8	160	1·0	190	1·6	255	1·3	200	2·3	1·6	23
265	2·2	260	2·8	250	2·4	230	2·5	200	2·4	180	2·5	60	1·1	55	2·6	55	2·2	60	1·3	-	···	55	1·0	1·4	24
-	···	-	···	-	···	130	2·2	110	2·8	115	2·3	85	3·0	100	3·2	115	2·6	105	3·3	130	3·8	145	6·2	2·0	25
150	5·0	140	4·7	110	3·6	140	5·4	130	5·0	120	4·6	125	4·9	125	5·8	130	6·2	130	6·6	130	5·4	140	4·7	5·5	26
140	7·4	145	9·1	145	7·9	145	6·2	120	5·8	150	8·9	160	8·3	150	9·3	145	8·2	150	10·8	150	10·6	150	10·2	7·5	27
85	6·4	100	5·4	90	4·3	100	7·9	105	7·7	110	6·0	130	5·1	140	5·1	150	4·8	165	6·2	165	5·0	170	6·2	6·9	28
290	4·7	290	4·5	285	4·0	275	5·1	270	5·3	235	3·9	200	3·7	200	4·6	205	5·0	205	5·5	205	7·2	210	8·1	5·9	29
200	10·6	205	10·3	210	12·7	215	12·9	205	11·6	210	11·6	210	11·9	210	13·1	205	12·0	210	13·9	210	13·5	210	12·3	11·2	30
215	9·4	220	8·6	220	9·2	215	9·1	215	8·7	220	8·6	220	9·8	240	8·0	230	6·2	235	7·4	230	7·2	245	7·7	9·0	31
—	7·4	—	7·9	—	7·7	—	7·9	—	8·0	—	7·7	—	7·1	—	7·1	—	6·6	—	6·6	—	6·5	—	6·8	7·1	
—	6·2	—	6·3	—	6·3	—	6·3	—	6·1	—	5·9	—	5·6	—	5·3	—	5·0	—	4·9	—	4·9	—	4·9	5·4	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

0 to 1h 1st Jan. 1937 250 6·2.

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES PRESSURE TUBE ANEMOMETER

425 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres — 1936

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. of a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust
	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m
1	8	1 15	10	3 05	20	14 55	11	9 00	9	15 10	22	16 25	14	21 40	12	23 10	15	21 45	21	23 50	17	14 35	15	16 05
2	10	23 25	10	20 20	16	1 10	6	14 30	13	14 40	17	16 20	14	5 55	17	9 15	16	14 45	25	12 05	13	23 50	17	7 00
3	10	0 00	15	5 05	17	4 25	23	9 40	13	15 45	15	17 30	13	6 20	13	14 15	15	22 50	25	3 30	13	0 10	19	22 15
4	18	20 10	20	9 45	15	14 10	18	11 10	17	12 35	13	10 30	15	16 40	13	12 05	18	1 00	17	12 10	17	22 45	23	20 45
5	21	16 35	17	8 40	20	13 10	14	10 30	14	0 10	9	12 55	15	2 15	13	21 20	22	6 00	12	7 05	22	2 55	29	1 55
6	19	2 40	28	23 50	15	1 30	14	13 25	12	13 45	9	21 15	9	13 35	16	4 20	19	22 20	12	12 30	24	3 25	22	1 10
7	16	2 25	31	13 20	13	6 15	13	2 50	11	14 20	12	22 10	8	17 55	12	22 50	23	6 45	13	23 15	30	18 40	16	7 35
8	26	4 10	28	22 20	17	13 35	11	17 55	9	8 30	9	0 35	13	13 35	12	4 00	20	1 30	14	10 40	33	7 30	14	3 20
9	33	15 25	37	7 00	17	23 20	11	16 25	7	15 10	11	19 45	10	15 00	8	13 30	11	0 20	12	1 20	25	14 40	11	20 35
10	24	17 15	41	12 45	15	1 40	12	9 05	7	13 25	14	24 00	14	15 00	11	13 00	15	13 30	11	11 55	24	3 10	12	7 10
11	16	0 05	40	2 15	7	13 20	7	12 50	13	14 05	14	2 10	13	1 20	14	22 20	18	6 55	6	12 00	28	5 35	14	12 25
12	8	18 40	16	4 30	6	15 50	12	18 00	12	1 30	11	15 45	15	18 55	13	0 05	10	16 05	7	15 35	27	9 45	17	0 30
13	13	23 00	25	21 05	13	19 15	14	13 30	19	10 45	13	23 15	15	2 55	16	13 50	16	10 05	15	19 20	15	13 10	26	14 45
14	20	23 30	14	0 05	14	11 00	14	16 20	26	21 05	17	22 00	15	16 05	10	1 30	16	1 50	18	0 40	20	7 50	20	23 35
15	18	0 35	14	23 50	9	14 05	17	10 50	20	2 15	18	1 30	13	13 20	7	4 25	7	14 10	13	14 40	18	11 35	33	16 25
16	13	13 40	20	13 25	5	14 05	17	4 30	11	11 25	16	0 15	9	14 15	14	10 05	5	1 55	16	23 00	15	13 05	28	5 40
17	16	17 25	17	21 40	6	22 50	14	1 45	8	15 35	16	13 20	18	3 00	12	5 10	8	11 50	21	8 40	17	19 50	28	7 30
18	17	1 30	19	7 40	16	20 00	9	14 55	19	17 55	12	3 50	13	13 20	19	23 55	8	21 40	16	23 50	9	1 05	24	16 40
19	12	2 25	17	11 20	20	22 40	14	21 45	16	7 10	14	9 40	12	0 25	19	0 15	7	2 40	23	5 15	4	2 30	27	23 50
20	13	20 25	9	0 15	19	1 30	14	0 55	13	12 05	6	15 00	11	8 10	9	16 40	9	11 50	10	1 15	7	16 05	27	5 25
21	16	14 05	9	15 15	26	7 35	24	20 40	13	14 20	12	15 05	9	18 05	10	12 20	5	13 45	11	14 15	8	22 45	22	11 00
22	19	12 50	8	14 35	20	13 05	21	0 15	20	21 00	9	15 50	19	22 10	8	14 30	4	12 50	21	22 15	11	22 35	11	12 35
23	15	21 15	21	13 20	19	17 50	19	3 50	18	12 50	10	13 10	27	21 40	9	3 00	15	24 00	19	0 30	15	7 40	6	17 35
24	15	19 50	21	0 45	23	23 40	22	15 35	16	13 05	6	17 05	24	0 10	3	1 05	19	7 25	22	22 40	9	16 45	6	12 30
25	14	23 30	14	1 55	21	0 05	17	13 20	16	0 35	9	18 40	11	17 30	10	20 30	5	13 40	29	7 55	5	8 55	12	23 45
26	20	17 55	27	22 50	12	8 15	16	11 25	16	1 35	8	7 55	10	7 00	17	10 10	9	9 10	34	22 30	4	2 50	13	23 25
27	24	6 45	23	16 35	7	23 35	10	21 50	16	16 20	11	18 05	16	8 35	13	8 55	13	12 25	23	0 30	13	21 30	19	23 45
28	23	3 30	19	23 50	19	22 50	12	2 40	13	16 20	17	12 40	18	13 00	5	13 25	12	12 20	14	0 30	11	2 00	17	1 20
29	16	21 00	22	3 15	22	17 30	9	17 50	15	16 35	12	0 15	13	12 25	7	11 00	10	9 00	16	19 50	13	6 45	16	6 05
30	14	9 40	-	- -	15	23 00	7	16 20	17	15 25	9	3 30	13	19 45	7	18 35	12	23 05	18	19 25	18	14 50	26	22 15
31	22	12 10	-	- -	16	5 10	-	- -	13	5 35	-	- -	15	6 10	6	21 35	-	- -	14	1 25	-	- -	24	1 25

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

426 VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres — 1936

	DISTRIBUTION OF WIND SPEED								EXTREME VELOCITIES				
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record	Highest Hourly Wind			Highest Gust	
	Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer From N.	Speed	Mid Time	Speed	Dates
		hr		hr	hr	hr	hr	hr	°	m/s	day h	m/s	day h m
Jan. ..	9th	2	7	54	274	341	73	0	260	20	9 16	23	9 15 25
Feb. ..	10th, 11th	14	15	143	280	173	86	0	100	23	10 18	41	10 12 45
Mar. ..	-	-	8	23	388	231	102	0	240	14	29 17	26	21 7 35
Apr. ..	-	-	6	24	263	332	101	0	25	15	21 21	24	21 20 40
May ..	-	-	4	15	324	315	90	0	185	15	14 20	26	14 21 05
June ..	-	-	2	6	211	376	127	0	340	14	1 17	22	1 16 25
July ..	-	-	3	24	275	384	61	0	245	15	23 22	27	23 21 40
Aug. ..	-	-	1	1	186	417	140	0	180	11	19 1	19	19 0 15
Sept. ..	-	-	2	12	212	344	152	0	270	13	7 13	23	7 6 45
Oct. ..	-	-	10	79	312	299	54	0	240	14	26 11	34	26 22 30
Nov. ..	-	-	6	59	239	270	152	0	270	16	7 9	33	8 7 30
Dec. ..	15th	2	16	127	359	186	70	0	200	18	15 17	33	15 16 25
Year ..	4 days	18	80	567	3323	3668	1208	0	100	23	Feb. 10 18	41	Feb. 10 12 45

TEMPERATURE IN THE GROUND AT DEPTHS OF 30 CM. (1 foot) AND 122 CM. (4 feet)
Readings in degrees absolute, at 9h Greenwich Mean Time

427 VALENTIA OBSERVATORY 1936

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·1	80·3	80·0	80·0	80·0	80·3	83·9	82·0	84·9	83·0	86·2	85·0	90·4	87·2	88·9	87·8	91·4	88·7	86·7	87·8	84·3	85·6	81·5	82·9
2	78·9	80·6	79·0	80·0	77·6	80·2	83·7	82·1	84·5	83·0	85·6	85·0	89·4	87·4	89·0	87·8	91·0	88·7	86·9	87·6	84·6	85·6	81·9	82·9
3	77·6	80·7	78·1	80·1	78·0	80·2	83·9	82·2	85·0	83·1	85·4	85·0	89·3	87·4	88·7	87·7	90·5	88·8	87·0	87·5	85·0	85·6	82·4	82·9
4	77·7	80·4	77·8	80·1	78·8	80·1	82·6	82·3	85·1	83·4	85·6	85·0	90·0	87·3	88·9	87·7	90·3	88·8	87·2	87·4	84·5	85·5	82·3	83·0
5	78·8	80·3	79·0	80·1	79·1	80·1	82·1	82·5	85·1	83·3	85·5	85·0	90·0	87·4	89·0	87·6	89·9	88·9	87·4	87·4	83·9	85·5	81·3	83·0
6	79·0	80·1	80·5	80·0	79·3	80·1	82·0	82·5	84·4	83·4	86·4	85·0	90·0	87·6	89·1	87·6	89·2	88·8	87·0	87·3	83·5	85·4	80·1	83·0
7	79·2	80·2	80·9	80·0	80·3	80·2	81·9	82·4	84·2	83·5	86·7	85·0	90·1	87·5	89·1	87·7	88·6	89·0	86·3	87·4	83·0	85·2	80·0	82·9
8	79·1	80·2	79·5	80·2	80·0	80·2	82·0	82·4	84·1	83·6	86·6	85·0	90·3	87·5	89·4	87·7	88·6	88·2	85·8	87·2	82·5	85·1	81·2	82·8
9	80·0	80·3	78·8	80·2	79·6	80·5	82·5	82·3	85·5	83·5	86·8	85·0	90·4	87·6	89·4	87·7	88·9	88·4	85·2	87·0	82·2	85·0	81·1	82·9
10	80·3	80·5	78·8	80·2	79·4	80·4	82·2	82·3	86·0	83·7	86·7	85·1	90·2	87·7	89·5	87·8	89·2	88·3	84·9	87·0	82·0	84·0	80·9	82·7
11	79·6	80·6	78·8	80·2	78·9	80·5	82·5	82·3	86·4	83·8	87·4	85·1	90·0	87·7	89·1	87·8	89·4	88·2	84·3	86·9	81·5	84·6	81·6	82·7
12	78·6	80·7	80·0	80·2	79·0	80·5	83·0	82·4	86·2	84·0	87·2	85·1	89·7	87·6	88·9	87·9	89·2	88·4	84·1	86·8	82·3	84·5	80·5	82·7
13	78·0	80·6	80·0	80·2	79·6	80·4	81·8	82·4	86·1	84·0	87·1	85·2	89·2	87·9	89·6	87·8	89·2	88·3	84·8	86·5	81·9	84·4	80·0	82·7
14	79·0	80·6	80·0	80·2	79·5	80·0	80·9	82·5	85·4	84·2	87·1	85·3	89·5	87·8	89·3	87·9	88·7	88·3	85·3	86·2	82·0	84·3	81·0	82·5
15	79·1	80·5	80·2	80·4	80·9	80·7	81·0	82·2	85·1	84·2	87·2	85·4	89·3	87·9	89·9	87·9	88·3	88·3	86·0	86·2	82·1	84·1	80·0	82·5
16	78·8	80·5	80·2	80·5	80·3	80·6	80·9	82·3	85·1	84·2	87·1	85·4	89·7	87·7	90·0	88·0	88·1	88·2	86·1	86·2	83·0	84·1	80·2	82·4
17	77·8	80·5	80·1	80·5	80·0	80·8	80·8	82·2	85·4	84·2	86·4	85·6	90·0	87·7	90·1	88·0	88·0	88·1	86·4	86·2	83·8	84·0	80·1	82·3
18	78·1	80·5	80·4	80·6	80·0	80·8	81·0	82·2	85·5	84·3	86·6	85·6	90·0	87·8	89·9	88·0	88·1	88·0	86·0	86·2	82·9	85·0	80·2	82·2
19	78·3	80·3	79·6	80·6	79·9	80·8	81·1	82·1	86·0	84·3	88·4	85·6	89·8	88·0	89·2	88·0	88·4	88·0	85·8	86·3	81·5	84·1	80·2	82·2
20	78·3	80·3	79·0	80·7	81·2	80·9	81·9	82·0	86·4	84·4	88·7	85·7	90·0	87·9	89·3	88·1	88·9	88·0	85·1	86·2	81·0	84·0	81·1	82·2
21	77·3	80·3	78·4	80·7	81·9	80·9	81·8	82·0	86·9	84·5	89·5	85·9	89·8	87·9	89·4	88·0	89·0	88·0	85·2	86·2	80·0	84·0	81·9	82·2
22	76·7	80·2	78·0	80·6	81·9	81·0	81·6	82·1	87·0	84·6	89·4	86·0	89·5	88·0	89·1	88·0	88·9	88·0	85·9	86·2	79·7	83·7	81·4	82·2
23	76·7	80·1	78·0	80·6	81·8	81·1	82·2	82·0	86·0	84·8	90·0	86·1	89·1	87·9	89·8	88·0	89·1	88·0	85·9	86·1	80·5	83·6	80·0	82·3
24	77·4	80·0	78·0	80·4	82·3	81·3	82·0	82·1	85·4	84·8	90·2	86·2	88·5	87·9	89·9	88·1	88·9	88·0	85·1	86·1	81·0	83·4	79·5	82·3
25	77·4	80·0	78·2	80·2	82·3	81·4	82·5	82·2	84·9	84·8	89·9	86·6	88·6	87·9	90·2	88·1	89·1	88·0	85·0	86·1	80·6	83·2	79·1	82·2
26	77·9	79·9	79·1	80·2	82·5	81·4	82·8	82·3	85·3	84·9	90·7	86·8	89·0	87·8	91·0	88·2	89·4	88·0	84·6	86·0	81·0	83·2	79·4	82·0
27	78·7	79·9	79·3	80·1	82·1	81·5	83·3	82·3	86·2	84·8	90·8	86·8	89·0	87·6	91·4	88·4	88·5	88·0	84·3	86·0	80·4	83·2	79·9	82·0
28	78·6	79·9	79·1	80·2	82·5	81·8	84·3	82·5	86·5	84·8	90·8	87·0	89·1	87·9	91·2	88·5	87·6	88·1	83·9	85·9	80·1	83·0	80·1	81·9
29	78·1	80·0	78·5	80·4	83·0	81·7	84·6	82·6	86·5	84·8	90·3	87·1	88·8	87·7	91·1	88·4	87·0	88·0	84·7	85·9	80·5	83·0	80·9	81·9
30	78·7	80·0	-	-	82·9	81·9	84·4	82·7	86·3	85·0	90·5	87·1	88·8	87·7	91·1	88·6	86·7	87·9	85·5	85·6	81·7	82·9	80·4	81·9
31	79·6	80·0	-	-	83·5	82·0	-	-	86·0	85·0	-	-	89·0	87·7	91·0	88·8	-	-	84·9	85·6	-	-	81·7	81·9
Mean	78·5	80·3	79·2	80·3	80·5	80·8	82·4	82·3	85·6	84·1	87·9	85·7	89·6	87·7	89·7	88·0	88·9	88·3	85·6	86·5	82·1	84·3	80·7	82·5
																					Year		84·2	84·2

The iritial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h. to 7h. G.M.T.
Readings in degrees absolute

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Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	76·5	76·8	71·7	81·4	75·4	77·6	83·6	85·8	85·8	80·4	75·3	78·7
2	72·2	72·7	73·7	78·5	74·2	78·3	85·6	86·8	88·0	84·7	81·7	80·7
3	71·9	71·9	74·1	77·4	77·4	77·5	85·7	84·7	85·2	85·2	80·3	80·7
4	74·7	73·8	76·3	77·4	77·9	76·4	84·7	84·2	86·4	86·3	79·3	77·9
5	78·0	81·2	76·6	77·0	80·2	71·8	85·6	85·7	84·0	83·6	77·6	75·1
6	78·3	81·6	77·3	71·3	76·3	83·8	85·3	85·9	84·4	76·9	78·2	75·1
7	78·7	80·3	80·7	74·1	75·2	84·1	84·2	80·2	82·7	77·8	77·4	73·3
8	74·8	76·2	77·6	76·9	76·8	84·2	80·8	86·3	83·7	77·0	76·8	81·5
9	79·0	75·4	77·0	77·8	81·5	83·6	82·0	83·8	87·2	76·2	79·7	72·1
10	80·8	78·2	75·4	74·8	76·5	80·2	81·8	82·9	85·3	73·7	76·6	80·1
11	75·1	74·4	72·5	71·9	81·9	80·2	84·3	84·2	88·0	71·8	75·9	81·2
12	73·6	79·3	71·5	75·2	78·6	76·3	85·1	83·8	84·4	74·2	79·6	72·7
13	72·6	77·6	71·4	70·4	76·9	73·7	84·7	86·1	84·3	77·5	73·7	74·0
14	78·8	79·2	78·2	72·6	73·1	84·0	84·7	86·9	83·5	83·7	79·0	80·0
15	78·4	73·6	76·6	71·9	79·1	82·3	84·1	87·2	76·9	85·8	77·8	73·2
16	75·4	78·6	70·3	73·6	76·3	84·2	83·9	81·1	77·4	82·0	81·4	77·4
17	69·4	77·6	70·9	72·7	75·7	77·9	85·0	88·6	78·5	85·2	81·8	76·4
18	76·9	77·6	71·9	70·8	75·2	81·2	83·3	81·6	81·3	79·6	72·6	79·5
19	76·0	74·3	76·6	71·5	84·2	82·1	84·7	84·7	87·1	81·9	71·4	75·0
20	74·5	72·8	81·7	77·4	79·4	84·9	83·8	85·3	81·1	78·6	70·6	81·8
21	70·9	69·4	81·3	77·4	76·3	82·4	84·6	85·1	86·3	79·4	69·7	81·7
22	70·6	71·9	79·2	75·8	77·5	80·7	77·9	80·8	79·2	84·0	71·3	75·9
23	72·6	69·8	76·3	76·1	78·3	82·2	85·4	84·2	85·8	80·2	78·2	71·9
24	76·0	75·9	77·1	78·1	77·4	82·8	84·4	88·3	86·3	79·3	73·1	74·1
25	71·6	72·9	79·5	80·3	79·0	78·7	82·6	83·6	85·7	77·8	73·2	72·3
26	74·8	77·4	78·4	79·0	79·6	85·0	81·0	85·2	85·2	79·8	76·9	77·7
27	78·1	75·2	78·9	78·2	82·4	82·3	80·6	87·3	75·9	78·7	69·3	76·0
28	75·3	76·9	79·6	82·1	80·8	86·9	79·1	81·7	75·0	78·7	76·5	79·7
29	72·8	75·8	82·4	77·4	75·7	86·3	83·3	81·9	78·8	83·7	73·9	78·3
30	77·8	-	79·4	75·1	79·3	83·6	80·8	84·2	77·6	86·7	82·3	75·2
31	80·1	-	81·8	-	75·4	-	86·4	86·7	-	78·4	-	80·8
Mean	75·4	75·8	76·6	75·8	77·9	81·2	83·5	84·7	83·0	80·3	76·3	77·1
										Year		79·0

429 VALENTIA OBSERVATORY — JANUARY, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	St:Stcu	St:Stcu	2	9	9	8	9	3	l	l	k	l	m	l	...	...	...	...	...	...	b, bc, cp●° *a* : c, bc, c *p* : c, b *n*.
2	St: Stcu	Ci	Ci	1	1	1	2	5	6	l	l	m	m	m	m	...	...	...	...	...	...	bc, cp●° *a* : b, bc *p* : bc *n*.
3	Acu: Ast	Ci	St:Stcu	3	1	1	6	9	9	l	m	m	m	k	l	...	...	...	...	●°	...	bc, bc, cp●° *a* : b(), bc, cp●° *p* : cp●°, c *n*.
4	St:Stcu	St: Ast	Frnb	2	9	10	10	10	10	l	l	l	J	h	k	...	...	...	●	●	●°	c, bc, c *a* : c, c●°●●² 14h 30m to 21h, then ci●°
5	St:Frnb	St: Frnb	St:Frnb	10	10	10	10	10	10	J	J	J	J	J	k	●°	●°	●	●°	●	●°	ci●°, o●°● 6h to 19h, then ci●°●.
6	St:Frnb	St:Stcu: Ast	St:Stcu	10	10	10	9	8	9	J	J	l	l	l	k	●	●°	...	...	...	...	ci●°●, o●°, c *a* : ci●°, cp●°, c *p* : ci●, cp●° *n*.
7	St:Cu:Frnb	St: Stcu	Cu:Ci	9	7	9	9	2	5	k	k	k	k	J	J	...	...	...	...	...	...	c, cp●●°, c *a* : c, bc *p* : bc, c *n*.
8	St:Frnb	Cu:Stcu:Acu: Ci	St:Stcu	10	7	9	9	8	5	J	J	k	k	k	k	●	...	...	...	...	...	c, c●●°q 1h 30m to 7h, then cp●°, bc *a* : cp●°, c *p* : cp▲² [●², bc *n*.
9	St:Stcu: Acu:Ast	St: Frnb	St:Frnb:Stcu	10	10	10	10	9	9	J	I	J	I	k	J	...	●°	●	●°	...	●°	cp●●°, o●●° 8h to 15h, then c *p* : cp●°q, c *n*.
10	St:Cu:Stcu	Cu:Stcu	St:Frnb	10	7	5	7	9	6	k	l	k	l	k	k	...	...	...	...	●°	...	cp●°, bc *a* : bc, cp●° *p* : cp●°, bc *n*.
11	St:Stcu:Cist	Stcu: Ast:Acu	Stcu:Acu	10	10	10	10	10	10	k	l	l	l	l	l	...	...	...	...	...	...	bc, cp●°, c *a* : cloudy *p* *and n*.
12	Acu: Ast	Cu: Stcu:Acu: Ci	Acu	10	9	8	6	l	0	k	l	l	l	l	l	...	...	...	...	...	...	c, cy *a* : cy, bc, b *p* : b, c *n*.
13	St:Frnb: Nbst	St:Nbst	St: Nbst	10	10	10	10	10	10	J	l	J	I	k	l	●°	...	d_0	d_0	...	...	c, ci●°, cid_0 *a* : cid_0, c *p* : cid_0, c *n*.
14	Stcu:Acu:Cist	St: Stcu: Cist	St: Stcu	10	10	10	9	10	10	l	l	l	l	l	k	...	...	...	...	...	●°	cloudy *a and p* : ci●°, c *n*.
15	St:Stcu: Acu:Ast	St:Stcu:Ast	St: Stcu:Ast	10	9	10	10	10	10	J	J	k	k	k	J	...	...	...	●°	...	●°	cloudy *a* : c, ci●°, c *p* : c, ci●°, c *n*.
16	St: Acu	Frst: Cu:Stcu:Ci	St: Cu: Stcu	6	9	6	9	7	3	J	J	J	J	k	J	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c, bc, b *n*.
17	St:Stcu:Acu	Cu: Stcu	St: Stcu	7	9	9	9	9	3	l	l	l	l	k	J	...	...	...	●°	●°	...	b, cp✱, c, cp✱ *a* : c(), ci●°●, cp✱ *p* : cp●°, bc, c *n*.
18	St:Frnb	St:Stcu: Cist	St:Stcu: Ast	7	10	9	10	10	10	k	J	m	m	m	k	...	●	...	...	...	●°	cp●●°, ci●°●●°, c *a* : cloudy *p* : c, ci●°, o● from 22h *n*.
19	St:Frnb	St:Frnb: Nbst	Cu: Stcu:Acu:Ast	10	10	10	9	9	10	J	J	k	l	l	J	●	●°	●	...	...	●	ci●°●, o●●° 4h to 9h, then ci● *a* : ci●, c *p* : ci●°, o● *n*.
20	St:Stcu	St: Stcu	St: Stcu:Ci	9	9	9	10	9	3	k	k	k	k	k	l	...	...	●°	●°	...	...	c, cp●° *a* : ci●°, c *p* : cp✱, bcp▲², cp▲● *n*.
21	St: Cu:Stcu	Cunb: Frnb:Ast	Frnb:Stcu	4	9	9	9	7	10	k	k	l	l	k	k	...	✱°	...	...	...	...	c, cp▲●, ci✱, cp●° *a* : cp✱q, bcp▲●, c *p* : cp▲●, c●°, bc *n*
22	St:Stcu	Cunb:Frnb	Cunb:Stcu	7	1	9	8	4	5	k	l	k	k	l	l	...	...	▲²	▲	...	...	bc, cp▲°●°, b *a* : cp▲²●²q, bcp▲●, bc *p* : bc, cp●, bc *n*.
23	St:Stcu: Acu:Ast	St: Ast	St: Cu: Ast	7	10	10	10	10	7	l	l	k	k	k	k	...	...	●°	●°	...	●°	bc, c, ci●°, o●° 10h 30m to 17h 30m *a and p* : c, cp●° *n*.
24	St:Stcu	St: Ast	St: Frnb:Nbst	7	10	10	10	9	k	l	l	J	J	k	...	...	●°	●	●°	●°	cp●°, c, ci●° *a* : o●●° 14h to 19h, then ci●°, bc *n*.
25	St:Stcu	St:Stcu	St: Cu: Stcu:Acu	10	10	10	10	8	9	k	J	I	J	l	k	...	...	●°	●°	...	...	bc, o, c *a* : ci●°, cp●°●, c *p* : cp●°●, bc *n*.
26	St:Stcu	Cu:Stcu:Ast	St:Frnb:Nbst	2	3	10	10	10	10	l	l	l	k	I	I	...	...	...	●°	●	●	bcp●°, cp●, c *a* : cp●°, c●°●●² 14h 30m to 23h, then c.
27	Cu:Frnb	Cunb:Frnb:Ci	Cunb:Stcu	7	6	8	7	3	6	k	k	k	k	k	k	...	...	●°	...	...	...	cp●°, bcp▲●, cp●° *a* : cp●°●, cp▲²●², bc *p* : bc, [c●p▲●, bcp●° *n*.
28	Cunb:Stcu	St:Ast	St:Ast	2	6	10	10	10	6	l	l	l	k	k	k	...	...	...	...	...	...	bc, cp●, cp▲●, bcp●° *a* : cloudy *p* : c, c●°●, bc *n*.
29	St:Stcu	Cunb:Frnb:Stcu:Ci	Cunb:Stcu:Ci	6	6	9	9	6	7	k	l	k	k	k	k	...	●°	●°	...	...	...	bc, cp●°, bcp●° *a* : cp●°, bc *p* : bc, cp●, c *n*.
30	St:Frnb	St:Stcu	St:Stcu	10	9	10	10	10	10	I	k	I	J	I	I	●°	...	d_0	...	...	●°	c, o●° 6h to 9h, then oid_0 *a* : oid_0, cd●, c *p* : o●²●●° 19h to [23h *n*.
31	St:Frnb	Cunb:Stcu	St: Ast	10	9	2	3	10	10	I	k	k	J	J	k	●	...	...	...	...	...	cp●°, o●°● 5h to 8h, then bcp●° *a* : bc, c *p* : cp●°, o●, bc *n*.
Mean Cloud Am'nt.				7·4	7·9	8·5	8·6	8·1	7·4													

430 VALENTIA OBSERVATORY — FEBRUARY, 1936

Day	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Stcu	Cunb:Stcu:Ci	Cunb:Cu:Acu	9	9	8	9	4	8	k	l	l	l	l	l	...	...	...	...	...	●°	bc, c●, cp●°● *a* : cp●°●, bc *p* : bc, cp●° *n*.
2	St:Stcu	Cu:Stcu: Acu	St:Stcu:Acu:Ast	3	6	7	7	8	8	k	k	l	m	m	l	...	...	...	...	...	...	cp●°, bc, c *a* : c, bc, cp●° *p* : cp●°, c, cp▲● *n*.
3	St: Cunb:Stcu	St: Cu:Stcu: Ci	Frst:Stcu:Ast	3	5	6	3	10	10	l	l	m	m	m	m	...	...	...	...	...	...	bc, cp▲°●°, bc, bc *a* : bc, c() *p* : c() *n*.
4	Stcu:Acu:Ast	St:Stcu	St	10	8	9	10	10	10	k	m	l	I	h	I	...	...	d_0	d	...	...	c, cp●°, cid_0 *a* : cid_0, c●°, o *p* : o, c *n*.
5	St:Frnb	St	St	10	10	10	9	10	10	I	J	J	k	k	I	●	●°	d_0	...	...	d_0	c, o●●° 6h to 12h *a* : cid_0, o *p* : o, oid_0, c *n*.
6	St	St	St:Stcu	10	10	10	10	10	10	J	J	I	k	l	k	...	d_0	d_0	...	...	...	c, oi●°, oid_0 *a* : oid_0●°, c *p* : c, cp●°, c *n*.
7	Stcu:Acu:Ast:Ci	Stcu:Acu-lent:Ci	Aculent: Ci	7	7	4	5	8	5	k	l	l	l	l	k	...	...	...	...	...	...	c, bc, bcy *a* : bcy, cy *p* : cy, bc *n*.
8	Cu:Stcu: Acu:Ci	St: Cu:Stcu	St:Stcu	3	1	4	6	8	7	l	l	l	l	l	l	...	...	...	...	...	...	bcq, bcy, b *a* : bcy, cy *p* : cy, c *n*.
9	Stcu	Cu: Frcu:Acu:Cicu	St:Frnb:Stcu	9	7	7	10	10	5	k	l	l	J	J	l	...	...	...	●°	●°	...	cq, bc, cy *a* : cy, ci●°, c●●° 16h to 20h, then bcp●° *n*.
10	St:Frnb	Frnb:Stcu	St:Stcu:Acu	10	10	10	9	9	9	J	J	J	J	k	k	●°	●°	●°	✱°	...	●°	bc, cp●°, ci●°, c●° 7h to 12h *a* : ci●°, c✱°, c *p* : c●, [ci●° *n*.
11	St:Frnb	St:Frnb	St: Ast	10	10	10	10	10	9	I	h	I	J	k	k	●°	●°	●°	●°	●°	●°	o●° until 9h 15m, then od *a* : o●°, ci●●° *p* : ci●°, c *n*.
12	Frst:Cu:Frnb:Ast	St:Stcu	St:Stcu	10	9	9	9	9	3	J	k	k	k	k	J	●°	...	...	...	...	...	c, c●°, ci●° *a* : c, ci●°, c *p* : ci●°, bc, c *n*.
13	St:Stcu: Acu:Ast	Frnb:Stcu:Ast	St:Frnb	10	10	10	10	10	10	J	J	J	J	I	I	...	●°	●°	●°	●°	●°	c, ci●°, c●° 10h to 15h and 16h to 22h, then c.
14	St:Stcu:Ast:Acu	Cu:Stcu:Ci	St:Stcu:Acu	10	9	2	4	9	9	k	l	m	m	l	k	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c, ci●° *n*.
15	St:Stcu:Ast: Acu	Cu:Stcu:Acu:Ast	St:Cu:Stcu:Acu	9	4	8	4	7	6	k	l	l	m	m	l	●°	...	...	...	...	...	ci●°, cp●°, bc *a* : c, bc, c, *p* : c, bc, c *n*.
16	St:Frnb	Frnb:Ast	Frnb:Stcu:Ast	10	10	10	10	9	10	k	l	k	k	k	k	●°	...	●°	●°	●°	●°	c, ci●°, c *a* : ci●° *p* : ci●°, o●° *n*.
17	St:Stcu: Acu:Ci	Cunb:Stcu:Acu:Ci	Frst: Acu:Ci	4	9	9	3	9	10	k	k	k	k	l	k	...	●°	...	...	...	●°	c, bc, cp●° *a* : c, bc, c *p* : ci●●°, o●° *n*.
18	St:Frnb	St: Frnb	St:Stcu	10	10	10	10	9	4	J	k	J	k	l	l	●	●°	●	...	...	...	c●●° until 10h, then cp●° *a* : cp●, c *p* : c, bc *n*.
19	St:Frnb:Ast:Acu	St: Cunb: Stcu	Frst:Cunb	9	7	8	7	3	2	l	l	l	l	l	l	...	...	...	...	...	...	bc, ci●°●, c, cp▲ *a* : cp▲, cp●°, cp▲°, bc *p* : cp▲°●°, bc *n*.
20	St:Stcu	Cu: Acu: Ci	Cu: Stcu: Ci	7	3	8	8	7	2	k	l	m	m	m	l	●°	...	...	...	...	...	bc, cp●°, bc *a* : c() *p* : c(), bc, bc *n*.
21	Cu:Stcu:Acu	Cu: Stcu	Cu: Stcu:Ci	2	7	6	4	l	4	l	m	m	m	m	l	...	...	...	...	...	...	bl, cp●, bc() *a* : bcy(), b *p* : b, bc, cp●° *n*.
22	St:Stcu:Acu	Cu: Ci	Frst: Cu:Stcu	2	7	4	7	4	7	l	l	m	J	m	k	...	...	...	...	...	●°	cp●°, bcl, c *a* : bc, cp●, bc *p* : bc, cp●°●, bc *n*.
23	St: Cu:Stcu	St:Cunb:Stcu	St:Cunb:Stcu:Acu	2	2	9	10	9	7	l	l	l	l	l	l	...	...	...	●°	...	...	bcl, cp▲°●°, cp▲●q *a* : cp▲°●°q, cp●°●, c *p* : cp▲°●°, [cp●° *n*.
24	St: Cu:Stcu	St:Cu:Stcu	St: Stcu:Ci	7	7	8	3	8	8	k	k	k	l	l	k	...	▲°	...	...	...	...	cp●°, cp▲°, bc *a* : cp●, bc, c *p* : bc, cp●°, c *n*.
25	Acu:Ast:Cist	Stcu:Acu	St: Stcu: Acu	9	9	9	9	9	10	l	l	l	l	l	J	...	...	...	...	...	...	c, bc, c *a* : cloudy *p* : c, ci●°, o●° *n*.
26	St:Stcu	St: Stcu	St:Stcu	10	10	9	10	9	9	k	k	k	I	l	k	...	...	...	d	...	...	o●°, c, cid *a* : cid, c *p* : cp●°●q, c *n*.
27	Cunb:Frnb	Cunb: Frnb	Cunb:Frnb	9	10	9	7	9	9	k	J	k	l	k	k	●°	●	▲	...	...	●°	c, cp●●°, cp▲● *a* : cp▲●q, cp●°, c *p* : cp▲●q, bc *n*.
28	Cunb:Frnb	Frnb:Nbst	Cunb:Ast: Acu	4	9	10	7	8	7	l	k	k	l	k	k	...	...	●°	...	...	...	bc, cp▲●, cp●° *a* : cp●°, cp▲●, cp●°, bc *p* : bcp●°, c, bc *n*.
29	St:Cu: Stcu	St:Cu: Stcu	Cu:Stcu	8	8	8	8	9	6	k	k	k	k	k	k	...	...	...	...	...	...	bc, cp●° *a* : cp●°, c *p* : c, bc, ci●° *n*.
Mean Cloud Am'nt.				7·5	7·7	8·0	7·5	8·0	7·4													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

431 VALENTIA OBSERVATORY MARCH, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Frst:Ast	St:Frnb:Ast	Cu:Stcu:Aculent:Cicu	10	10	10	9	7	6	k	l	k	l	l	l	...	●⁰	▲⁰	...	...	...	ci✱, cp●⁰, cp▲⁰ *a* : cp▲⁰, cy *p* : cy, bc *n*.
2	St: Stcu	Cu:Stcu:Acu	Stcu:Ci	5	9	5	2	7	9	l	l	m	m	m	l	...	...	...	...	...	●⁰	bc, c, bc *a* : bcy◯, c◯ *p* : c◯, cp●⁰ *n*.
3	St:Stcu:Ast: Acu	St:Stcu:Ast	St: Acu:Ast	10	10	10	9	9	10	k	k	l	l	l	l	...	...	...	...	...	...	cp●⁰●, cp▲²●², *c a* : cp●⁰ *p* : cloudy *n*.
4	St:Frnb	St:Frnb	Stcu	10	10	10	10	9	4	J	J	I	k	l	l	●⁰	...	●	...	...	...	ci●⁰, c, c● *a* : c●●⁰, c *p* : c, bc *n*.
5	St: Stcu: Acu	St: Cu:Stcu	Cu:Stcu:Cicu	5	9	5	9	5	10	l	k	l	J	l	k	...	...	...	●⁰	...	●	bc, cp●●⁰q *a* : bc, cp●⁰q, bc *p* : bc, cp●●⁰ *n*.
6	St:Stcu:Ast:Acu	St:Stcu:Ast: Acu	St	10	9	10	10	10	10	k	l	l	k	h	h	...	...	...	...	d	●	cp●⁰, c *a* : c, oid *p* : oid, o●●⁰ from 20h *n*.
7	St	St:Frnb	St:Frnb:Nbst	10	10	10	10	10	7	h	G	I	I	J	k	d_0	d_2	●⁰	●⁰	●⁰	...	o●●⁰, odd², o●⁰ *a* : ci●⁰ *p* : ci●⁰, c *n*.
8	St:Stcu:Acu:Cicu	Cu:Stcu:Acu:Cist	Cu:Stcu:Acu:Cicu	9	9	8	7	8	9	k	l	m	m	m	m	...	...	...	...	...	...	cloudy *a* : c, bc, c *p* : c, bc *n*.
9	Cu:Stcu:Acu	Cumb:Cu:Acu	St: Cu	7	5	2	1	3	9	l	l	m	m	m	l	...	...	...	...	...	...	bc, cp●, bc *a* : bc, by *p* : bc, cp●⁰, c *n*.
10	Cu:Stcu:Acu	Cu: Stcu	Cu: Stcu	5	1	3	1	3	4	l	l	l	l	l	l	...	...	...	...	...	...	c, b, bc *a* : bc, b *p* : bc, b *n*.
11	Frcu:Stcu	Frcu: Stcu	Frcu:Acu	7	4	1	3	9	1	k	k	l	l	l	k	...	...	...	...	...	...	b, c, by *a* : bcy, c *p* : c, bc, b *n*.
12	St:Stcu: Acu:Ast	Frcu: Stcu:Acu	Stcu	10	9	9	1	7	10	k	k	k	k	k	k	...	...	...	...	...	...	b, bc, c *a* : c, b, c *p* : c, bc, b *n*.
13	St:Stcu:Cist	Stcu:Ci	St:Stcu	10	10	7	8	10	10	J	I	J	J	J	k	...	...	...	...	...	...	b␣, cz⁰, c *a* : cloudy *p* : c, ci●⁰, c *n*.
14	Cu:Stcu	Frcu:Stcu	Stcu	4	2	3	8	5	10	J	J	k	k	J	J	...	...	...	...	...	...	c, bc *a* : bc, c, bc *p* : bc, c *n*.
15	Stcu	Cu: Cist: Cicu	Cist: Ci	9	1	5	8	9	0	k	J	k	J	J	J	...	...	...	...	...	...	c␣, b, bc *a* : bcy, c *p* : c, bc, b *n*.
16	Ci	Frcu:Ci	Ci	1	3	1	1	1	0	k	J	k	k	k	J	...	...	...	...	...	...	b␣, bc, by *a* : by *p* : b *n*.
17	Ci	Cu: Stcu: Ci	Acu: Cist:Ci	3	9	6	8	9	2	k	k	k	J	J	J	...	...	...	...	...	...	b␣, bc *a* : bc, c *p* : c, bc, b␣ *n*.
18	Stcu:Acu:Ast: Ci	Stcu:Acu:Ast	Acu: Ast	8	10	10	9	9	6	k	k	k	k	k	k	...	...	...	...	...	...	b␣, bc, c *a* : c, cy *p* : cy, bcy *n*.
19	Stcu:Acu:Ast	St:Stcu	St: Frnb	9	9	10	9	10	9	k	J	k	k	h	J	...	...	...	...	●	●⁰	bcy, cp●⁰, c *a* : c, cp●⁰, ci●⁰, c● *p* : ci●²●⁰ *n*.
20	St:Frnb	St: Cu: Stcu	Cu:Stcu:Acu: Ci	10	10	9	7	7	9	I	h	k	k	k	J	●⁰	●¹	...	...	...	●⁰	ci●⁰●, o●⁰, ci●¹, c *a* : c, bc, c *p* : cp●⁰, c *n*.
21	Frnb: Ast	Cu:Stcu:Acu: Ci	St: Frnb	10	9	9	10	10	10	J	l	m	l	J	I	●⁰	...	...	...	●⁰	●	c, c●⁰, c *a* : c, ci●⁰● *p* : c●●⁰ until 21h, then bc.
22	St:Frnb:Stcu	St: Frnb	Cu:Frnb: Acu:Ci	10	9	10	9	9	7	k	l	J	k	k	k	...	...	●	...	...	...	ci●●⁰ *a and p* : ci●⁰, cp●², o●⁰ *n*.
23	Cumb:Cu:Stcu:Acu	Cu:Ci	St:Stcu:Acu	3	8	5	8	9	10	l	l	m	m	m	I	...	...	...	...	...	●⁰	c, cp●², bcp●, bc *a* : b, cy, c *p* : c, c●⁰● from 20h *n*.
24	Cu: Stcu:Ast: Ci	St: Stcu	St: Stcu	8	6	9	10	10	10	l	m	l	k	k	k	...	...	●⁰	...	●⁰	●⁰	ci●⁰, bc, cp●⁰ *a* : ci●⁰, o●⁰ *p* : ci●⁰, c *n*.
25	St: Cu: Stcu	Cu: Stcu: Ci	Cu:Stcu:Acu1ent:Ci	7	3	8	7	7	3	m	m	m	m	m	m	...	...	...	...	...	...	c, cp●⁰, bc *a* : cp●⁰, cy, c *p* : c, bc *n*.
26	St:Cu:Stcu: Acu	St:Stcu:Acu:Ast	Frst:Stcu:Ast	7	9	9	9	9	10	I	h	J	I	I	J	...	...	...	...	...	●⁰	bc, cz$_0$ *a* : c, cz$_0$ *p* : cz$_0$, c●⁰ from 19h *n*.
27	St:Stcu	St:Stcu	St:Stcu	10	10	9	9	9	10	k	k	k	k	J	I	...	...	...	...	...	●⁰	ci●⁰, c *a* : cloudy *p* : c, cp●⁰, ci● *n*.
28	St:Stcu:Acu:Ci	St:Stcu	St	7	8	10	10	10	10	l	l	I	J	J	I	...	...	d	...	...	●⁰	c, cid *a* : cid, o *p* : o, o●⁰● from 20h *n*.
29	St:Frnb	St	St:Stcu	10	10	10	10	9	10	h	h	G	G	J	J	●	●⁰	●⁰	●⁰	...	...	o● until 3h, then oi●⁰, o● *a* : oi●⁰, c *p* : ci●⁰, c *n*.
30	Stcu:Ci	Cu:Açu:Ci	St: Acu	6	9	2	9	9	9	l	l	l	k	k	J	...	...	...	...	...	...	ci●⁰, bc *a* : bc, c *p* : cloudy *n*.
31	St:Acu:Cicu:Ci	St:Stcu	St: Ast	8	9	9	9	10	10	I	J	k	k	k	k	...	●⁰	...	...	...	...	c, cp●⁰, c *a* : cloudy *p and n*.
Mean Cloud Am'nt.				7·7	7·7	7·2	7·4	8·0	7·5													

432 VALENTIA OBSERVATORY APRIL, 1936

Day	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Ast	St:Stcu:Ast	St:Stcu:Acu:Ast	10	10	10	10	9	9	J	J	l	l	l	k	●⁰	●⁰	...	●⁰	...	...	c, o●⁰ 1h to 5h, then ci●⁰, o●⁰, c *a* : ci●⁰, c *p* : c, ci●⁰, c *n*.
2	St:Stcu	Frst:Stcu:Ast:Ci	Stcu:Acu:Ci	10	9	8	8	8	2	l	l	m	m	m	l	...	...	...	...	...	...	c␣, c *a* : c, b◯, c◯ *p* : c◯, bc␣ *n*.
3	St:Ast	St:Ast	St:Frnb: Ast	10	10	10	10	10	10	l	l	k	I	I	J	...	●⁰	●⁰	●	●⁰	●⁰	bc␣, ci●⁰ *a* : ci●⁰, o●, oi●⁰ *p* : o●⁰ until 23h, then c *n*.
4	St: Stcu:Ast:Ci	Cu: Stcu: Ci	Cu:Stcu: Acu	9	7	6	9	9	10	k	k	k	k	J	J	...	...	...	...	...	●⁰	c, bc *a* : bc, c *p* : c, c●⁰ from 21h *n*.
5	Frst:Stcu:Acu:Ast	Frcu:Acu:Ci	Frcu:Acu:Cicu: Ci	10	7	6	8	8	8	J	J	l	l	k	J	...	...	...	...	...	...	c●⁰ until 4h, then c, bcy *a* : bcy, cy *p* : cy, c, bc *n*.
6	Cu:Stcu:Cist:Ci	Acu	Frcu: Ci	5	1	1	1	3	0	J	J	J	I	k	k	...	...	...	...	...	...	bc␣, b *a* : by, byz$_0$, bc *p* : bc, b *n*.
7	Cu:Stcu:Cicu:Ci	St:Stcu	Frst:Stcu: Cist	8	9	10	10	9	4	k	l	l	l	l	k	...	...	...	...	...	...	b, bc, c *a* : cloudy *p* : c, bc, c *n*.
8	Cu:Stcu:Cist:Ci	Cu: Stcu:Acu: Ci	St: Stcu	9	9	9	9	9	9	J	k	k	k	k	k	...	...	...	...	...	...	cloudy throughout.
9	Acu1ent	Cu:Stcu	Stcu:Acu	2	1	9	9	5	4	J	k	k	k	k	J	...	...	...	...	...	...	c, b, cy *a* : cy, bc *p* : bc *n*.
10	Cicu:Ci	Frcu	Cu: Stcu	2	1	1	3	2	1	k	J	k	k	k	J	...	...	...	...	...	...	b␣, by *a* : by, bc *p* : bc, b *n*.
11	Frcu:Acu:Cicu:Ci	Stcu	St: Stcu	4	8	7	7	9	10	J	k	J	J	J	J	...	...	...	...	...	...	b␣, b␣, c *a* : cloudy *p and n*.
12	Frst:Stcu:Ci	Stcu	Frnb:Stcu	5	3	9	9	9	1	l	l	l	l	l	l	...	...	...	...	...	...	c, ci●²●⁰, bcy *a* : cy, cp●⁰, cy *p* : cy, bc, b *n*.
13	Frcu:Ci	Cu:Stcu: Ast:Ci	Frnb:Stcu:Ast	1	5	9	10	9	6	l	l	l	l	J	k	...	...	...	...	...	...	b␣, bc, cy *a* : cy, cp●⁰ *p* : cp▲●, cp●⁰, bc *n*.
14	Cu:Acu	Cu: Acu:Ci	Cumb:Stcu: Ci	1	5	6	5	3	9	k	k	l	l	l	l	...	...	...	...	...	...	bc, b, c *a* : bcy, cp▲●⁰●, bc *p* : bc, c, b *n*.
15	Frnb:Stcu	Cu:Stcu	Cumb:Cu:Acu	9	7	5	6	8	7	k	l	l	l	l	l	...	...	...	...	...	...	b, cjp, bcy *a* : bcy, cy *p* : c, cp●⁰ *n*.
16	Cumb:Stcu	St:Cu	Cu: Cicu	4	7	5	2	4	3	l	l	m	m	m	m	...	●⁰	...	...	...	...	c, cp▲●q, cp●⁰, bcy *a* : bcy, p●⁰, bcy *p* : bcy, b *n*.
17	Cu	Cu:Stcu	Cu: Stcu	2	3	3	2	2	1	m	m	m	m	m	m	...	...	...	...	...	...	b, bcjp, bcy *a* : bcy◯ *p* : bcy◯, bc, b *n*.
18	St: Stcu: Ci	Cu:Stcu: Acu:Ci	Cu: Stcu: Ci	8	3	7	5	8	7	m	m	m	m	m	m	...	...	...	...	...	...	b␣, bc◯, c *a* : cy◯, bc◯, c◯ *p* : c◯, b *n*.
19	Cu:Stcu: Ci	St:Stcu:Ast:Acu	St: Frnb:Ast	1	5	10	10	10	10	l	m	m	k	k	J	...	...	...	●	●⁰	●⁰	b␣, bc, c◯ *a* : c◯, ci●⁰, o●●⁰, ci●⁰ *p* : c●⁰● 18h to 23h,
20	St: Stcu:Ci	Frcu:Cist	Frcu:Acu	8	10	9	9	9	9	l	l	m	m	m	l	...	...	...	...	...	...	ci●, c *a* : c, cy, bc, c *p* : c, c●⁰ *n*. [then ci●⁰ *n*.
21	St:Frnb:Nbst	St:Stcu	St:Frnb	10	10	10	10	10	10	J	h	J	J	h	k	●⁰	●⁰	...	●⁰	●⁰	...	c●²●●⁰ until 9h, then od *a* : cp●⁰, ci●●⁰ *p* : ci●q⌒, bc *n*.
22	Cu:Stcu	Frcu:Cist	Stcu: Acu: Ast	4	7	9	10	10	9	l	l	m	m	m	l	...	...	...	...	...	...	bc␣, c, bcy *a* : cy◯ *p* : cy◯, c *n*.
23	St:Frnb	St:Frnb:Nbst	Cumb:Frnb:Stcu	10	10	10	10	9	2	h	I	J	J	l	k	●⁰	...	●	●⁰	●⁰	...	c, o●⁰● 4h to 9h and 10h to 15h, then cp●⁰ *a and p* : cp●⁰, [cp▲²●², bc *n*.
24	St:Frnb	St	St	10	10	10	10	10	9	h	h	I	I	I	J	●⁰	●⁰	...	...	d_0	...	c, o●⁰ 6h to 11h, then o *a* : oi●⁰, oid$_0$ *p* : oid$_0$, oi●⁰, c *n*.
25	St: Ast	St:Stcu:Ast	Cu: Stcu: Acu	10	9	9	6	4	9	J	J	k	k	k	k	...	...	...	...	...	...	cloudy *a* : c, bc *p* : bc, cp●⁰, bc, b *n*.
26	Cu:Frnb: Acu:Ci	Cumb:Stcu:Acu:Ci	Cu: Stcu: Acu	8	3	8	8	9	9	k	k	k	k	k	k	...	...	...	...	...	...	b, cp●⁰●, bc *a* : cp●⁰, c *p* : cp●, bc *n*.
27	St:Stcu:Acu:Ast	St:Cu: Acu:Ci	St:Cu	10	10	6	9	7	9	k	k	k	k	k	k	...	...	...	...	...	...	bc, c *a* : bc, c *p* : cp●⁰, c *n*.
28	Frst:Cu:Stcu:Acu	Cu:Acu	St:Cu:Stcu	9	4	6	3	9	9	k	k	k	k	k	k	...	...	...	...	...	...	c, c● 3h to 6h, then cp●⁰, bc *a* : bc, cjp *p* : cloudy *n*.
29	Frcu: Acu	Cu: Stcu:Ci	Cu:Stcu	3	9	5	3	3	2	J	k	l	l	l	l	...	...	...	...	...	...	bc␣, c *a* : c, bc, *p* : bc, b␣ *n*.
30	Frst: Cu: Stcu	Cu:Stcu	Frcu:Stcu:Ci	8	9	2	2	2	3	k	l	m	m	m	l	...	...	...	...	...	...	b␣, c, bcy◯ *a* : bcy◯ *p* : bc◯, b *n*.
Mean Cloud Am'nt.				6·7	6·7	7·2	6·9	7·2	6·4													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

433 VALENTIA OBSERVATORY MAY, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Cu:Stcu:Cist:Ci	Cu:Stcu:Acu	Cu:Ci	8	9	6	1	3	3	1	1	1	1	1	1	...	...	...	...	...	...	b⌓, c *a* : bc, by, bcy *p* : bc, bc⌓ *n*.
2	Stcu:Cicu:Ci	Frcu:Ci	Frcu	4	4	1	2	1	8	1	1	k	k	k	J	...	...	...	...	...	...	bc⌓, bc *a* : by, b *p* : b, bc, c *n*.
3	Cu:Stcu:Ci	Cu:Stcu	Cu:Stcu:Cicu:Ci	6	7	4	4	6	6	k	k	k	J	k	k	...	...	...	...	...	...	c⌓, bc, c *a* : bc *p* : bc, c, bc *n*.
4	Frst: Cu: Stcu	St:Cu: Stcu:Cicu	Stcu:Acu:Ast:Ci	9	5	8	9	9	4	J	k	J	J	J	J	...	...	...	...	...	...	bc, c, bc *a* : cloudy *p* : c, bc, c *n*.
5	Frnb:Nbst	St:Stcu	St:Frnb:Stcu	10	10	10	10	10	8	J	J	J	k	J	k	●⁰	●⁰	●⁰	●⁰	●⁰	●⁰	c, c●⁰ 4h to 14h, then ci●⁰ *a and p* : ci●⁰●, c, bc *n*.
6	Frst:Cu:Stcu:Acu	St:Cu: Stcu	Frcu:Ci	8	9	7	7	1	1	1	1	m	m	m	m	...	...	...	...	...	...	bc, cp●⁰ *a* : cp●⁰, c, b() *p* : b(), b *n*.
7	St: Cu:Stcu	St:Stcu	St:Stcu	6	5	10	10	9	10	k	k	k	1	1	k	...	...	...	...	...	...	b⌓, bc, c *a* : c, cp●⁰, c *p* : cloudy *n*.
8	Cu:Stcu	Cu: Ci	St:Stcu	3	9	1	3	9	10	J	J	k	J	J	I	...	...	...	...	...	...	c, bc⌓, c *a* : b, bc, c *p* : c, c⌓ *n*.
9	St: Cu	Cu:Cicu:Cist	Frcu: Acu:Ci	8	9	7	2	4	0	I	I	J	J	J	J	...	...	...	...	...	...	c⌓, cz$_0$ *a* : c, bc *p* : bc, b⌓ *n*.
10	St:Stcu	Stcu:Acu	St:Stcu: Ast	9	9	9	10	10	10	G	h	1	m	k	k	...	...	...	...	...	...	b⌓, bcif, c *a* : cloudy *p* : c, cid$_0$ *n*.
11	St:Stcu	Frst:Stcu	Frst:Cu:Stcu	10	9	9	9	9	10	J	J	1	1	1	k	...	...	...	...	...	...	cid$_0$, c *a* : cloudy *p* : cid$_0$, c *n*.
12	St:Cu: Stcu	Cu:Ci	Cu: Ci	5	1	2	2	4	3	1	1	1	1	1	1	...	...	...	...	...	...	ci●●⁰, bc, b *a* : bcy, bc *p* : bc⌓ *n*.
13	St:Stcu:Ast	St:Frnb	Cu:Stcu:Acu: Ci	10	10	10	6	8	2	k	k	J	1	1	1	...	●⁰	●⁰	...	...	...	bc⌓, c, ci●⁰ *a* : c●⁰●, bc, c *p* : c, bc *n*.
14	Frst:Stcu:Cist:Ci	St	St:Frnb	8	6	10	10	10	10	1	1	I	I	I	I	...	...	d	●	●	●	bc⌓, c, od *a* : od, o●⁰●●²q⌒ 13h to 23h, c *p and n*.
15	St: Cu:Stcu	Cu:Ci	Cu: Ci	4	3	3	7	7	2	k	k	1	1	1	1	...	...	...	...	...	...	cp●q, bc, cp● *a* : c, bc, c *p* : cp▲²●², bc, b *n*.
16	Cumb:Frnb	St:Cu:Stcu:Ci	Cu:Stcu	9	9	6	6	5	1	k	k	m	m	m	m	●	●⁰	...	...	...	...	b, cp●, cp▲²●², cp●⁰● *a* : bc, cp●⁰, bc *p* : bc, b *n*.
17	St:Stcu	Cu:Stcu:Ci	Cu:Stcu:Ci	9	8	8	6	2	2	1	1	1	1	1	1	...	...	...	...	...	...	bc, cp●⁰, c *a* : c, bc *p* : bc⌓ *n*.
18	Cu:Stcu:Ci	Cu: Stcu:Acu:Ci	Cu:Stcu	6	3	5	9	5	2	1	1	m	m	1	k	...	...	...	...	...	...	bc⌓, bc *a* : bc, c, bc *p* : bc *n*.
19	Cu:Ci	Stcu	Cu:Stcu:Acu	1	1	8	9	3	4	I	I	k	1	1	k	...	...	...	...	...	...	bc, bz$_0$, bc *a* : bc, cy, bcy *p* : bcy, bc *n*.
20	Cu:Aculent:Ci	Cu: Ci	Frcu:Stcu	2	3	2	1	2	1	m	1	1	1	1	k	...	...	...	...	...	...	bc⌓, bc() *a* : bc, b, bc *p* : bc, b *n*.
21	-	Ci	-	0	1	7	1	0	2	k	k	m	m	m	m	...	...	...	...	...	...	b⌓, bc *a* : cy(), by(), b *p* : b, bc⌓ *n*.
22	Cu:Stcu:Acu:Ci	St:Stcu	Cumb:Frnb:Stcu:Ci	8	9	10	9	9	10	1	1	k	1	1	J	...	...	...	...	●	▲²	bc⌓, c, cp●⁰ *a* : cp●⁰, c, cp● *p* : cp●, cp▲²●²q, c *n*.
23	St:Cu:Stcu	St:Stcu	St:Stcu:Acu	8	6	9	9	9	7	1	1	k	J	k	k	...	...	...	...	...	...	c, cp●, bc, c *a* : cloudy *p and n*.
24	St:Stcu:Acu: Ast	St: Cu:Stcu	St:Cu:Stcu	9	9	9	9	7	3	1	k	1	1	1	1	...	...	...	...	...	...	cp●⁰, c, cp●⁰ *a* : c, bc *p* : bc, b, bc *n*.
25	Frst:Stcu:Acu:Ast	St:Stcu	Cu:Stcu	9	9	9	9	6	8	k	k	k	1	1	1	...	...	...	...	...	...	bc, cp●⁰, c *a* : c, bc, *p* : cp●⁰, c *n*.
26	Acu	Cu:Stcu	Cu:Stcu:Ci	1	1	8	6	9	10	1	1	1	1	1	1	...	...	...	...	●⁰	...	c, b, bcy *a* : cy, c⌅●⁰ *p* : cp●⁰, c, bc *n*.
27	Frst:Acu	Cu:Acu: Ci	Frcu:Acu: Ci	7	8	9	9	8	2	1	k	1	1	1	k	...	...	...	...	...	...	bc, c *a* : cloudy *p* : c, bc *n*.
28	Cu:Cist:Ci	Cu: Cist	Cu:Stcu: Ci	6	3	7	7	4	4	1	1	1	1	1	1	...	...	...	...	...	...	bc, cy *a* : cy, bc *p* : bc *n*.
29	Stcu:Acu:Cist:Ci	St:Stcu	St: Cu: Stcu	4	8	9	9	9	9	1	1	J	k	k	k	...	...	●⁰	...	...	...	bc, c, cp●⁰ *a* : cp●⁰, c *p* : cp●⁰, c *n*.
30	Cu:Stcu	Cu	Cumb:Cu:Cist:Ci	6	5	3	5	5	6	1	m	m	m	m	m	...	...	...	...	...	...	cp●, bc, cp●⁰ *a* : c, bc *p* : bc *n*.
31	Cumb:Cu	Cumb: Cu:Acu	Cu:Stcu:Aculent:Cist	3	8	6	3	8	10	m	1	m	m	m	m	...	...	...	...	...	...	bc, cp●●⁰, bc *a* : bc, c *p* : cp●⁰, c, cp● *n*.
Mean Cloud Am'nt.				6·3	6·3	6·8	6·4	6·2	5·4													

434 VALENTIA OBSERVATORY JUNE, 1936

Day	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Stcu:Ast	Cu:Stcu: Acu:Ci	Cu:Stcu	10	10	3	9	8	4	1	J	m	1	1	1	...	●⁰	...	...	...	...	c, cp●, ci●⁰● *a* : bc, cp●⁰, c *p* : cp●⁰, bc *n*.
2	Cu:Frnb	St:Cu:Stcu	St:Cu: Stcu:Cist	9	7	8	6	6	9	1	1	1	1	1	1	...	...	...	...	...	...	bc, cp●, bc *a* : cy, bc *p* : bc, c, bc *n*.
3	Cu	Cu	Cu	3	5	4	2	1	3	m	m	m	m	m	m	...	...	...	...	...	...	bc, bcy *a* : bcy(), b *p* : b, bc, b *n*.
4	Cu: Acu:Ci	Cu: Acu:Cicu	Cu: Acu: Ast	5	7	6	4	9	1	m	m	m	m	m	m	...	...	...	...	...	...	b, bc, cy *a* : bcy(), c() *p* : c(), b() *n*.
5	Acu:Ci	Ci	St:Stcu: Acu	1	7	9	9	10	10	m	m	m	m	1	k	...	...	...	...	...	...	b⌓, b(), c() *a* : c(), c *p* : ci●⁰●, c *n*.
6	St	St	St:Stcu	10	10	10	10	10	10	J	I	I	I	k	I	...	...	d_0	d_0	...	●	ci●⁰d_0, oid_0 *a*: oid_0, c *p* : c, oid● *n*.
7	St	St:Stcu	St	10	10	10	10	10	10	h	h	k	J	J	I	d_0	d_0	...	...	...	d_0	od$_0$, c *a* : c, oid$_0$ *p* : od$_0$d *n*.
8	St	St	St	10	10	10	10	10	10	h	J	E	I	D	I	●	...	...	...	d_0	d_0	od$_2$, od●, om *a* : of, o, ofid$_0$ *p* : ofid$_0$, od● *n*.
9	St	St	St	10	10	10	10	10	10	I	J	I	I	G	E	...	...	d_0	...	●	d_0	od●⁰, o●⁰, od, o *a* : oid$_0$, o, od● *p* : ofid$_0$, bc *n*.
10	Stcu: Acu:Ci	Cu:Stcu	Acu	1	2	3	1	1	3	1	1	1	1	1	1	...	...	...	...	...	...	bc, b, bc *a* : bc, b *p* : b, bc, c *n*.
11	St	St: Cu: Acu: Ci	Cu:Acu:Cicu:Ci	10	9	9	9	4	6	h	k	1	1	1	k	d	...	...	...	...	...	c, o●●⁰ 2h to 6h, od, c *a* : c, bc *p* : bc, b *n*.
12	Frst:Cu: Stcu:Ci	Cu: Ci	Acu	9	2	3	2	1	1	1	1	1	1	1	1	...	...	...	...	...	...	b⌓, c, bc, *a* : bc, by *p* : by, b *n*.
13	Cist:Ci	Cu:Acu:Ci	St:Stcu	9	9	9	9	10	10	1	1	1	1	1	I	...	...	...	...	...	d_0	b⌓, bc, c *a* : cloudy *p* : c, cid$_0$, c●⁰ from 22h *n*.
14	St	St: Stcu	Cu	10	10	8	9	6	9	h	k	1	k	J	d	●	...	...	...	...	●⁰	o●⁰, cid, o●⁰●, c *a* : c, cp●⁰, bc *p* : bc, cp●⁰, c *n*.
15	St:Stcu	St: Stcu	St:Stcu	9	9	9	9	10	10	k	1	1	1	k	J	...	...	...	...	...	...	cloudy *a* : c, cp●⁰ *p* : ci●⁰ *n*.
16	St	St: Stcu: Ast	St: Cu: Stcu	10	10	10	10	9	5	I	J	k	k	1	1	...	●⁰	●⁰	...	...	...	oi●⁰, o● 2h to 7h, cp●⁰ *a* : cp●⁰, ci●⁰, cp●² *p* : cp●, c, bc *n*.
17	Cu:Stcu:Ci	St: Stcu	St:Stcu	3	9	9	9	9	9	1	1	1	k	k	k	...	...	...	●⁰	●⁰	●⁰	bc, cp●⁰, bc *a* : c, cp●●⁰ *p* : cp●⁰●² *n*.
18	Cu:Acu: Cicu:Ci	Cu:Ci	Stcu:Acu: Ast:Ci	5	3	3	7	9	8	1	m	m	m	m	m	...	...	...	...	...	...	bc, cp●, bc *a* : bcy, cy() *p* : c(), c *n*.
19	St:Stcu:Ast	St:Stcu	St:Stcu	10	10	10	10	9	8	k	k	k	k	k	k	...	●⁰	...	●⁰	...	...	cp●⁰, ci●⁰●, o●⁰ *a* : ci●⁰, c *p* : cloudy *n*.
20	St	St:Stcu	Cu:Stcu:Cist:Ci	10	10	9	7	7	8	C	h	k	1	J	J	...	...	...	...	...	...	c, of, c *a* : c, bc, c *p* : c, bc *n*.
21	Cu:Stcu:Acu:Ast	Cumb:Stcu:Acu:Ast	Cu:Stcu:Acu: Ci	9	9	10	9	6	4	J	J	I	I	m	m	...	...	...	...	...	...	bc, c⌅p●⁰, c, c⌅p●² *a* : c, cp●⁰, bc *p* : bc, b⌓ *n*.
22	Stcu:Acu	Stcu:Ci	St:Cu:Stcu:Ci	9	8	8	6	5	9	1	1	m	m	1	k	...	...	...	...	...	...	b⌓, c *a* : c, bc *p* : bc, c, bc⌓ *n*.
23	St: Stcu	St:Stcu	St:Stcu:Ast	9	10	9	9	9	6	1	1	1	1	k	k	...	...	...	...	...	...	bc⌓, c, cp●⁰ *a* : cp●⁰, c *p* : c, bc, c *n*.
24	St: Stcu	St:Stcu	Cu:Stcu	10	9	10	9	1	4	J	1	1	1	1	1	d_0	...	...	...	...	...	cid$_0$d$_2$, c *a* : c, bc, b *p* : b, bc, c⌓ *n*.
25	Acu	Cu:Stcu:Aculent	Stcu:Acu	5	1	7	9	9	7	1	m	m	m	m	1	...	...	...	...	...	...	bc⌓, b(), bc() *a* : bc(), cy(), c() *p* : c(), cp●⁰, bc *n*.
26	Frst:Stcu	St:Stcu:Acu	Cu:Stcu:Cist	8	9	9	8	9	3	1	1	m	1	1	1	...	...	...	...	...	...	bc⌓, c *a* : c, bc, c *p* : c, bc⌓ *n*.
27	Cu:Acu:Cicu:Ci	Cu:Stcu:Acu:Cist	Cu:Stcu: Acu	9	9	10	10	9	9	1	1	1	1	1	1	...	...	...	...	...	...	bc⌓, c *a* : cloudy *p* : c, cp●⁰, c *n*.
28	St:Stcu	St:Stcu:Ast	St: Stcu	9	10	9	10	9	9	1	1	J	J	k	1	...	●⁰	●⁰	d_0	...	...	c, cp●⁰, cid$_0$, cp●⁰ *a* : cp●⁰, cid$_0$, cp●⁰ *p* : cp●⁰, ci●⁰ *n*.
29	St:Cu:Stcu:Aculent	St:Stcu	St: Stcu	9	9	9	7	9	9	m	m	m	1	1	1	...	...	...	...	...	...	ci●⁰, c, cp● *a* : cp●⁰, c *p* : cloudy *n*.
30	St:Cu: Stcu:Acu	St: Cu:Stcu:Ast	Cu:Stcu:Acu:Ci	9	9	9	9	9	7	1	1	m	J	m	m	...	...	...	...	...	...	cp●⁰●, c, cp●⁰ *a* : ci●⁰●², c *p* : c, bc⌅ *n*.
Mean Cloud Am'nt.				6·0	6·1	6·1	7·9	7·5	7·0													

435. VALENTIA OBSERVATORY — JULY, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Frnb:Ast	St:Frnb:Stcu:Ast	St:Frnb	10	10	10	10	10	10	J	J	k	I	J	J	...	...	...	●⁰	●⁰	●⁰	c●, cp●⁰ *a* : cp●⁰, c●●⁰, ci●⁰ *p* : ci●⁰, c *n*.
2	St:Frnb:Ast	St:Stcu	Cu:Acu:Ast:Cicu	10	10	10	10	9	9	J	J	k	k	k	k	...	●⁰	...	...	...	...	cp●, ci●⁰, cp●⁰ *a* : cp●⁰, c *p* : c, ci●⁰ *n*.
3	St:Frnb:Stcu:Ast	Cu:Acu	St:Cu:Ci	10	9	2	2	5	8	k	k	l	l	l	k	...	...	...	...	...	...	ci●⁰●, c, bc *a* : bc *p* : bc, c *n*.
4	St:Stcu	Cu: Ci	St:Cu	10	9	4	7	7	9	k	k	l	k	k	k	...	...	...	...	...	...	ci●⁰●, c, cp●⁰ *a* : bc, c, *p* : cloudy *n*.
5	St:Stcu	Cu:Stcu: Acu	St: Stcu:Ast	10	10	8	8	10	9	J	k	l	l	l	k	●⁰	...	...	...	...	...	cp●●⁰, c *a* : cloudy *p and n*.
6	St:Stcu	St:Cu:Stcu	Cu:Stcu:Cist:Ci	9	9	9	9	9	8	k	l	l	l	l	k	...	...	...	...	...	...	ci●⁰●, c, cp●⁰ *a* : cloudy *p and n*.
7	Frnb:Stcu	Cunb	Cu:Stcu	10	9	3	3	5	5	J	l	l	m	l	l	●	...	...	...	●⁰	...	bc, cp●●², c, cp●⁰ *a* : bc, bcp●⁰ *p* : bcp●⁰, bc *n*.
8	Cunb:Stcu	Cu: Ci	Cu: Cist: Ci	7	3	8	7	9	9	l	l	l	m	m	l	...	...	...	...	...	●⁰	bc.ح, cp●⁰, bc *a* : cloudy *p* : cp●⁰, c *n*.
9	St:Cunb:Stcu	Cunb: Cu	Cunb:Cu: Ci	9	6	3	2	7	8	l	l	l	l	l	l	...	...	...	...	●⁰	...	ci●⁰, cp●⁰, bc *a* : bcp●⁰, bc, cp●⁰ *p* : cp●●⁰ *n*.
10	Cunb: Cu: Ci	Cunb:Cu:Frnb:Ci	Cunb:Cu: Ci	4	7	8	3	6	9	l	l	l	l	l	l	...	...	...	...	...	...	cp●, bc, cp●⁰● *a* : cp●, bc *p* : bc, cp●⁰● *n*.
11	St:Stcu	Frst:Stcu	Cu:Acu: Cist:Ci	9	9	9	9	9	10	l	l	l	l	l	l	...	...	...	...	...	●⁰	cp●●⁰, c *a* : cloudy *p* : ci●⁰, c● from 21h *n*.
12	St:Frnb	St:Frnb	St:Stcu	10	10	10	10	10	9	G	h	I	J	J	k	●	●	...	...	...	●⁰	o●●⁰ until 10h then cid *a* : cid *p* : cid, cp●⁰ *n*.
13	St: Cu: Stcu	Cu	Cu:Stcu:Acu:Ci	9	8	2	4	7	9	k	k	l	l	l	l	...	...	...	...	...	...	cp●●⁰, bc *a* : bc, c *p* : c, ci●⁰ *n*.
14	Frnb: Ast	St: Stcu:Ast	St:Stcu	9	9	10	10	9	9	k	k	k	k	k	k	...	...	...	...	...	●⁰	c, cp●⁰●², c, cp●⁰ *a* : c, cp●⁰, c *p* : cp●⁰, c *n*.
15	St:Stcu	Cu:Stcu:Aculent:Ci	Cu	9	6	7	2	3	4	k	l	l	l	l	k	...	...	...	...	...	...	c●●⁰ until 5h, then cp●, bc, c *a* : c, bc *p* : bc, c *n*.
16	St: Frnb	Cu:Stcu:Ci	Cu:Frnb: Ast	10	9	9	7	10	10	J	J	l	l	k	k	●⁰	...	...	...	●⁰	●	c, cp●⁰, ci●⁰, c *a* : c, ci●⁰ *p* : ci●⁰, c● from 20h *n*.
17	Frnb:Stcu: Ci	St:Stcu	St:Frnb:Stcu	9	5	10	10	9	8	l	I	J	k	J	l	...	●⁰	●⁰	●⁰	...	...	ci●, c, c●⁰● 10h to 12h *a* : ci●⁰●●² *p* : cp●⁰, c *n*.
18	St: Stcu	St:Stcu	Frst:Stcu	7	9	10	10	10	9	l	J	J	J	k	k	...	...	...	...	...	...	cid$_0$, c, cp●⁰●² *a* : cp●●⁰ *p* : cp●⁰, c *n*.
19	Cu:Stcu:Cicu:Ci	Cu: Acu	Cu:Stcu: Acu	7	7	4	5	8	7	l	l	l	l	l	l	...	...	...	...	...	...	c, bc, c *a* : bc, c *p* : c, bc, c *n*.
20	Cu:Stcu:Acu:Ast	St:Cu:Stcu	St: Cu:Stcu	9	10	5	9	9	9	k	J	l	l	l	l	...	...	...	...	...	...	cp●⁰●, c *a* : cp●⁰, bc, cp●⁰ *p* : c, bc *n*.
21	Frst:Cu:Stcu	St:Stcu	Cu:Stcu	9	10	10	9	3	2	l	k	m	m	m	m	...	●⁰	...	...	...	...	c, bcp●⁰, c●, c *a* : c, bc() *p* : bc(), b().ح *n*.
22	St:Stcu: Ast	St:Stcu	St: Ast	10	9	10	10	10	10	m	m	l	l	k	k	...	...	...	●⁰	...	●⁰	b().ح, c, ci●⁰ *a* : c, ci●⁰ *p* : ci●⁰● *n*.
23	St:Stcu	St:Stcu	Frnb:Stcu:Nbst	9	10	9	10	10	10	J	k	k	k	J	J	...	...	...	●⁰	●⁰	●⁰	o●⁰●, od, cid$_0$ *a* : cp●⁰.ـــ, ci●⁰ *p* : ci●⁰.ـــ, cp●⁰ *n*.
24	Frst:Stcu: Acu	St:Cu: Stcu	Cunb:Stcu: Acu	9	10	8	6	6	4	J	J	k	k	l	k	...	...	...	...	...	...	cp●⁰.ـــ, c, cp●⁰ *a* : c, bc, cp● *p* : bc *n*.
25	Cu:Stcu:Ast:Ci	Cu: Acu:Ci	Cu: Acu	9	4	5	5	7	9	k	l	l	l	l	l	...	...	...	...	...	...	bc, cp●⁰, bc, cp●⁰ *a* : bc, c *p* : c, cp●⁰, c *n*.
26	Frst:Cu:Stcu:Ast	Cu: Stcu:Acu	Cu: Aculent	9	9	9	8	4	4	l	l	l	l	l	l	...	...	...	...	...	...	cp●●⁰, c *a* : c, bc *p* : bc *n*.
27	St:Frnb:Nbst	St: Cu	St: Cu: Stcu:Ast	10	10	8	8	10	8	I	I	l	l	k	l	●⁰	●²	...	...	●⁰	...	bc, cp●, ci●⁰●●², c *a* : c, ci●⁰ *p* : ci●⁰, bc, b *n*.
28	Cu:Frnb:Acu	Cunb:Cu: Stcu	Cu	8	9	7	9	4	3	l	J	k	l	l	l	...	●⁰	...	...	...	...	b, c, cp●⁰, c *a* : c, bc, c *p* : bc *n*.
29	Cu:Frnb:Acu	St:Cu:Stcu	Cu:Stcu	9	9	9	9	5	3	k	k	l	l	l	l	...	...	...	...	...	...	bc, cp●⁰●, c *a* : c, bc *p* : bc, b *n*.
30	St: Cu: Acu:Ci	Cu:Stcu:Acu:Ast	St	7	9	9	10	10	10	l	l	l	I	G	I	...	...	...	d$_0$	...	...	b.ح, bc, c *a* : c, oid$_0$d *p* : oidd$_0$ *n*.
31	St:Frnb	St:Frnb	St	10	10	10	10	10	10	h	h	I	h	E	h	●⁰	...	●	●⁰	...	...	oid$_0$, oi●●⁰, oid, o●²● *a* : o●●⁰, of *p* : of, oid$_0$ *n*.
Mean Cloud Am'nt.				8·9	8·5	7·6	7·5	7·7	7·8													

436 VALENTIA OBSERVATORY — AUGUST, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Stcu	St:Stcu	St:Stcu	10	9	9	9	10	10	J	k	l	l	k	J	d$_0$	...	...	...	...	...	oid$_0$, c *a* : cloudy *p* : cid$_0$, c *n*
2	St:Frnb:Stcu	St:Stcu	St: Cu:Ci	10	10	10	8	6	7	k	J	J	k	k	k	...	d	d$_0$	...	...	...	cp●, cidd$_0$ *a* : cid$_0$, c, bc, *p* : bc, cp●⁰, c *n*.
3	Cunb:Frnb:Acu	St:Cu:Stcu	Cunb:Cu:Stcu	5	9	7	5	8	8	k	l	l	l	k	k	...	...	...	...	...	...	c, bc, c *a* : c, bc, cp●⁰ *p* : cloudy *n*.
4	Cu:Stcu	Cu:Stcu:Ci	St:Stcu	9	9	7	8	10	10	1	1	1	1	1	1	...	...	...	...	...	...	c, bc, cp●⁰ *a* : cp●⁰, c *p* : cloudy *n*.
5	St	St	St	10	10	10	10	10	10	h	h	h	h	I	I	d$_0$	d	...	d$_0$	d$_0$	●⁰	c, od$_0$d *a* : om$_0$, oid$_0$ *p* : oid$_0$, o●⁰, oi●²●●⁰ *n*.
6	St:Stcu	Cu:Ci	Cu:Ci	9	9	2	4	3	5	k	k	l	l	l	l	...	●⁰	...	...	...	...	cp●⁰, c, bc *a* : bc *p* : bc, c *n*.
7	St: Acu:Ci	Cu:Stcu:Acu:Ci	St: Stcu	9	7	5	9	10	10	1	1	m	l	l	J	...	...	...	...	...	d$_0$	c, bc.ح, c, bc *a* : bc, c *p* : c, cid$_0$ *n*.
8	St	St	St:Frnb	10	10	10	10	10	10	G	G	J	J	h	E	...	...	...	...	●	...	ci●⁰, o●⁰● 3h to 6h, of *a* : o, c, cd● *p* : o●, of, cid$_0$ *n*.
9	Cu:Stcu	Cu:Stcu:Acu	St:Stcu:Acu:Ci	4	9	9	9	9	9	1	1	m	m	l	l	...	...	...	...	...	...	c, bc, c() *a* : cy, c *p* : c, cp●⁰, c *n*.
10	Stcu	Stcu:Acu:Ast:Ci	St: Frnb	10	9	7	10	10	10	1	1	m	l	I	I	...	...	...	...	d	●⁰	c, o, c *a* : c, ci●⁰●, od *p* : od, ci●⁰ *n*.
11	Cu:Stcu: Ci	St:Stcu:Ast	St:Stcu	9	10	10	10	10	10	1	k	k	k	J	I	...	...	...	...	...	●⁰	cp●●⁰, c●⁰ *a* : ci●⁰, cp●, c *p* : ci●⁰, cp●⁰ *n*.
12	St:Stcu:Cicu:Ci	Frcu:Acu:Cist:Ci	St:Stcu	8	9	4	9	10	10	1	1	m	m	l	J	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c, cp●⁰, c *n*.
13	St	St	St	10	10	10	10	10	10	h	I	h	h	I	I	d	...	d	●⁰	d	...	c, o●⁰, od, od● *a* : od, o●⁰, od *p* : od, oi●⁰, o *n*.
14	St:Stcu	St:Stcu	St:Stcu	9	9	9	9	9	10	k	J	k	k	k	I	●⁰	...	...	...	...	d$_0$	o, cp●⁰, ci●⁰, c *a* : c, bc, c *p* : c, oid$_0$ *n*.
15	St:Stcu	St:Cu:Stcu:Acu	Cu: Stcu:Acu:Ci	9	9	9	3	6	3	J	l	l	m	m	m	...	...	...	...	...	...	oid$_0$, c *a* : c, bc *p* : bc, b, bc.ح *n*.
16	St:Stcu	St:Stcu	St:Frnb	9	10	10	10	10	10	l	m	I	G	h	h	...	...	●⁰	d	d	d$_0$	bc.ح, c, cp●⁰ *a* : cp●⁰, od, cid *p* : cid, ci●⁰, od$_0$ *n*.
17	St:Frnb	St: Cu: Ci	Frst:Cu	10	10	8	4	5	10	h	h	l	l	l	l	●	d$_0$	...	...	...	...	od$_0$, id●, o●, bc *a* : c, b, bc *p* : b, bc, c *n*.
18	Cu:Stcu:Acu: Ast	Frnb:Stcu:Ast	St:Frst:Ast	8	10	10	9	10	10	1	l	k	l	k	J	...	...	●⁰	...	●⁰	●⁰	c, cp●●⁰, c *a* : cp●⁰, c●⁰ *p* : c●⁰● from 18h *n*.
19	St	St	St:Stcu	10	10	10	9	9	10	h	I	I	J	J	J	d$_0$	d$_0$	d$_0$	...	d$_0$	...	o●●⁰, oi●⁰, oid$_0$ *a* : oid$_0$, c, cid$_0$ *p* : cid$_0$ *n*.
20	St:Stcu	St:Stcu	Cu:Stcu:Ci	10	9	9	10	7	10	J	J	J	k	l	l	...	...	d$_0$	...	...	...	cid$_0$, c, cid$_0$ *a* : cid$_0$, c *p* : c, cp●⁰, c *n*.
21	Cu: Stcu:Acu	St: Cu:Stcu	St:Stcu	8	9	9	9	8	7	l	l	l	l	l	l	...	...	...	...	...	...	c, bc, cp●⁰ *a* : cloudy *p* : c, bc *n*.
22	Stcu:Acu	Cu:Stcu	Cu: Acu	9	3	6	2	2	9	l	l	m	m	m	m	...	...	...	...	...	...	bc, c.ح, b *a* : bc *p* : bc, c *n*.
23	St	St:Stcu	St:Stcu	10	10	10	10	10	10	h	I	J	I	J	I	d$_0$	d$_0$	...	...	...	...	c, oid$_0$, c *a* : cloudy *p* : c, o *n*.
24	St:Stcu	St:Stcu	St:Stcu	9	9	9	10	9	9	J	k	k	J	k	k	d$_0$	...	...	d$_0$	...	...	oid$_0$, c *a* : c, cid$_0$, c *p* : cloudy *n*.
25	Cu	Frcu	-	1	1	1	1	0	0	m	m	m	m	m	m	...	...	...	...	...	...	c, b.ح, b() *a* : b() *p and n*.
26	Cu: Acu:Ci	Frcu	Cu:Frcu	2	1	1	3	2	1	J	k	k	k	k	k	...	...	...	...	...	...	b(), bc, b *a* : bc *p* : bc, b *n*.
27	Cu: Ci	Frcu	Frcu:Ci	3	3	1	2	2	2	J	J	k	k	J	J	...	...	...	...	...	...	b, bc, by *a* : bc *p* : bc, b *n*.
28	-	Frcu:Ci	Ci	0	0	1	1	1	0	k	k	k	k	k	J	...	...	...	...	...	...	.ح early, fine throughout.
29	St: Stcu	Frcu:Stcu	Frst:Stcu:Ci	9	9	2	2	4	8	J	J	J	I	J	J	...	...	...	...	...	...	bc.ح, c, bc *a* : bcz$_0$, bc *p* : bc, c.ح *n*.
30	St: Stcu	St:Stcu	St:Stcu	10	10	10	9	10	10	J	k	k	k	k	J	...	...	...	...	...	d$_0$	c, cid$_0$, c *a* : c, cid$_0$ *p* : cid$_0$ *n*.
31	St: Stcu:Acu	Frst	Frst: Stcu: Ci	7	2	1	1	7	10	l	l	m	m	l	I	...	...	...	...	...	...	cid$_0$, bc, b() *a* : b, bc, c *p* : c, o, c *n*.
Mean Cloud Am'nt.				7·9	7·9	7·0	6·9	7·8	8·0													

Day | Cloud Forms 7h 13h 18h | Cloud Amount (All Forms) 7h 9h 13h 15h 18h 21h | Visibility 7h 9h 13h 15h 18h 21h | Precipitation 7h 9h 13h 15h 18h 21h | Remarks on the Weather of the Day

437 VALENTIA OBSERVATORY — SEPTEMBER, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Stcu:Acu:Ast	St:Stcu	St	10	9	10	10	10	10	l	l	k	I	G	I	...	...	●⁰	...	d	...	ci●⁰, c, cp●⁰ *a* : cp●⁰, cid, o●⁰ *p* : od, cid, c *n*.
2	St:Stcu	St:Frnb:Stcu	St:Frnb:Stcu	10	10	10	10	10	10	J	I	k	I	J	I	...	●⁰	...	d	●⁰	●	c, ci●●⁰, c● *a* : ci●●⁰, cid, ci●²●⁰ *p* : ci●●², o●, c *n*.
3	Frnb:Cumb:Stcu	Cumb:Cu:Ci	St:Stcu	9	9	4	6	10	10	k	J	l	l	k	h	...	●⁰	...	...	...	●²	ci●●², cp●, ci●⁰, bc *a* : bc, cp●⁰ *p* : c, o●●²●⁰ 19h to 22h,
4	St: Frnb:Stcu	St:Frnb:Stcu	St:Stcu	10	10	10	10	10	9	k	k	J	G	I	J	...	...	●⁰	●⁰	●⁰	...	c, cp●⁰ *a* : cp●⁰, ci●⁰● *p* : ci●⁰, cp●⁰, c *n*. [c *n*.
5	St:Cu:Stcu	Frnb	Frst:Cu:Stcu:Ci	9	9	10	4	9	4	l	l	J	J	k	k	...	●⁰	●	...	...	...	cp●⁰ *a* : cp●, bc, c *p* : c, bc *n*.
6	St: Stcu	St:Frnb	St:Frnb	9	10	10	10	10	10	k	h	h	I	F	I	...	●	●⁰	●⁰	●⁰	●⁰	bcp●⁰, od●, o● *a* : oi●⁰, o●●⁰ *p* : o●●⁰, c *n*.
7	Cumb: Frnb	St:Stcu	St: Cu:Stcu	9	5	8	8	9	9	k	J	J	J	k	k	●⁰	...	...	...	...	●⁰	cp●⁰, bc, cp●⁰ *a* : cp●⁰● *p* : cp●⁰, c *n*.
8	St: Stcu	Stcu:Acu: Ast:Ci	St:Stcu	8	9	9	10	10	10	k	l	l	l	k	k	...	...	...	...	...	...	bc, c *a* : c, cp●⁰, c *p* : c, cp●, c *n*.
9	St	St	St:Stcu	10	10	9	9	9	7	h	h	I	k	k	k	d_0	d_0	d_0	...	...	...	cp●², o●⁰, oid$_0$ *a* : cid$_0$, c *p* : cloudy *n*.
10	St:Stcu	St:Stcu	St:Stcu	9	9	9	10	10	10	k	k	k	k	J	J	...	...	...	...	●⁰	●⁰	cid$_0$, c *a* : c, cp●⁰, ci●⁰ *p* : ci●⁰, c *n*.
11	St: Frnb	St:Frnb:Stcu	St: Ast	10	10	10	10	9	9	J	I	J	I	J	J	●⁰	●²	●⁰	●⁰	●⁰	...	ci●⁰, o●⁰●●² 6h to 9h, ci●⁰ *a* : ci●⁰, c●⁰●●² 12h to 18h
12	Frst: Cumb:Stcu	St: Cu	Cu:Ci	8	3	4	7	5	6	k	l	m	l	l	l	...	...	...	...	...	...	c, bc *a* : bc(), c, bc *p* : bc, c, bc$_{\frown}$ *n*. [*p* : ci●, c *n*.
13	Frst:Cumb:Cu:Acu	Cumb:Cu:Frnb:Acu	Cumb:Cu:Acu	3	8	9	7	7	5	l	l	l	l	l	l	...	...	...	...	...	...	bc$_{\frown}$, cp●, bc, cp●²q *a* : cp●●⁰ *p* : cp●●⁰, bc *n*.
14	Cu:Stcu	Cu	St:Cu:Ci	5	6	3	2	5	6	l	l	m	m	m	m	...	...	...	...	...	...	cp●, bc *a* : bc *p and n*.
15	Acu: Cicu:Ci	Frcu:Acu:Ci	Acu:Ci	6	5	5	5	3	1	m	m	m	m	m	m	...	...	...	...	...	...	b$_{\frown}$, bc() *a* : bc() *p* : bc(), b$_{\frown}$ *n*.
16	Cu:Stcu:Cicu:Ci	Frcu:Acu:Ci	Cu:Stcu:Ci	5	5	3	4	4	0	m	m	m	m	m	k	...	...	...	...	...	...	b$_{\frown}$, bc() *a* : bc() *p* : bc, b$_{\frown}$ *n*.
17	Ci	Ci	Acu: Cicu:Ci	7	6	8	5	9	3	J	J	k	k	J	J	...	...	...	...	...	...	b$_{\frown}$, c$_{\frown}$, b *a* : c, bc, c *p* : c, bc$_{\frown}$ *n*.
18	St: Stcu:Ast	St	St:Stcu	10	10	10	10	10	10	I	I	F	J	k	I	...	d	...	...	...	d_0	c$_{\frown}$, cid, od●⁰, of *a* : oid$_0$, c *p* : c, cid$_0$ *n*.
19	St: Stcu:Acu	St:Stcu	Frcu:Stcu:Acu:Ci	9	9	9	9	9	10	k	k	l	l	l	k	...	...	...	...	...	...	cid$_0$, c *a* : c, bc, c *p* : c, cp●⁰, c *n*.
20	St:Stcu	Cu:Frcu:Acu	St:Ast	9	1	6	9	10	10	J	J	J	J	I	I	...	...	...	...	●⁰	...	c$_{\frown}$, b, bc *a* : bc, c, ci●⁰ *p* : ci●⁰, c *n*.
21	St:Stcu:Ast	St:Stcu	Frst:Stcu	10	10	9	4	9	0	h	h	J	h	I	I	...	...	...	...	...	...	cz$_0$, cm$_0$, c *a* : c, bcz$_0$, cz$_0$ *p* : bm$_0$c$_{\frown}$, of *n*.
22	Ci	Cu	Stcu	1	3	1	8	9	9	J	J	J	J	J	I	...	...	...	...	...	...	of, b$_{\frown}$, b *a* : b, bc, c *p* : cloudy *n*.
23	St:Stcu	St:Stcu	Frnb:Stcu:Ast:Acu	10	9	10	10	9	10	J	J	J	J	k	k	...	...	...	●⁰	●⁰	●⁰	c, cid$_0$, c *a* : c, ci●⁰ *p* : ci●⁰, c *n*.
24	St:Stcu:Ast	St:Stcu	St:Stcu	10	10	9	9	9	10	J	I	l	l	k	I	●⁰	●	...	...	...	●	ci●⁰●, c *a* : cloudy *p* : c, ci●, c *n*.
25	St	St:Cu:Stcu: Ci	Frst:Ci	9	8	7	6	4	10	J	k	l	l	l	D	...	...	...	...	...	...	c, oid$_0$m$_0$, c *a* : c, bc *p* : bc, ofe *n*.
26	St	St:Stcu	Cu:Cist: Ci	10	10	5	7	9	6	J	k	l	l	l	l	...	...	...	...	...	...	ofe, o, c *a* : bc, c *p* : c, bc *n*.
27	St:Stcu:Ci	Frst:Stcu	St:Cu:Stcu:Cicu	9	6	9	9	7	8	l	l	k	k	l	l	...	...	...	...	...	...	bc$_{\frown}$, c$_{\frown}$, bc *a* : c, cid$_0$, c *p* : c *n*.
28	-	Cu:Frcu	Frcu	0	1	3	3	1	0	m	m	m	m	m	m	...	...	...	...	...	...	bc$_{\frown}$, b() *a* : bcy(), b() *p* : b(), b *n*.
29	Frcu	Cu	Frcu	1	1	4	3	1	0	l	k	l	l	l	k	...	...	...	...	...	...	b, bc *a* : bc, b *p* : fine *n*.
30	Frcu	Cu:Stcu	Cu:Stcu:Acu	1	1	5	9	3	3	l	l	l	l	l	l	...	...	...	...	...	...	b, bc *a* : bc, c, bc *p* : bc *n*.
Mean Cloud Am'nt.				7·5	7·1	7·3	7·4	7·6	6·8													

438 VALENTIA OBSERVATORY — OCTOBER, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Stcu	Cu:Acu:Ast:Ci	Cu:Acu:Ast:Ci	7	1	8	9	9	10	k	k	m	m	l	k	...	...	...	...	...	...	bc, c, b *a* : cloudy *p and n*.
2	St: Cu:Cicu:Cist	St:Stcu:Ast	St:Stcu:Ast	10	10	10	10	10	10	k	k	k	k	k	k	...	...	...	...	...	...	cloudy throughout, ⁔ 12h.
3	St: Stcu:Cicu:Ci	St:Stcu:Ast	Frnb:Stcu	7	9	9	10	10	10	k	k	k	k	I	h	...	...	...	...	●⁰	●⁰	⁔ cloudy *a* : c, c●, ci●⁰ *p* : ci●⁰, o●⁰⁔, ci●⁰ *n*.
4	Frnb:Stcu	Frst:Frnb:Ast	Frst:Frnb:Stcu	10	10	10	9	9	8	J	I	J	J	J	k	●⁰	●⁰	●⁰	●⁰	●⁰	...	ci●⁰, o●●⁰, ci●⁰ *a* : ci●⁰, cp●⁰ *p* : cp●⁰●², bc *n*.
5	Cu:Stcu: Acu	Frcu:Stcu:Acu:Ci	Acu	8	8	9	9	9	3	k	l	l	k	k	J	...	...	...	...	...	...	bc, c *a* : cloudy *p* : c, bc *n*.
6	Cu:Stcu:Cist:Ci	Cu:Stcu: Acu:Ci	Stcu:Acu	8	9	6	6	9	2	k	l	l	l	l	l	...	...	...	...	...	...	bc, c, bcy *a* : bcy, c *p* : c, bc *n*.
7	Stcu:Ci	Cu:Stcu	Cu	2	1	3	4	1	0	k	l	l	l	l	l	...	...	...	...	...	...	bc, by *a* : bcy, b *p* : fine *n*.
8	Cu:Acu	Frst:Stcu	Stcu	1	9	10	9	9	8	k	l	l	l	J	k	...	...	...	...	...	...	b, c *a* : cloudy *p* : c, bc *n*.
9	Cu:Acu	Cu:Stcu	Frcu:Stcu:Ci	1	4	3	8	2	1	k	k	l	l	l	l	...	...	...	...	...	...	bc, c *a* : c, bcy, bc *p* : bc, b *n*.
10	Stcu:Cist	Cu:Stcu	Stcu	9	2	4	9	8	2	l	l	l	l	k	k	...	...	...	...	...	...	b, c, bc *a* : bcy, c *p* : c, bc, b *n*.
11	Acu	Cu:Stcu:Acu	Stcu:Acu:Ci	3	7	7	3	3	2	k	k	k	k	k	k	...	...	...	...	...	...	bc$_{\frown}$, c *a* : c, bc *p* : bc, b$_{\frown}$ *n*.
12	Stcu	Cu	Cu:Stcu:Ci	10	9	3	3	3	1	l	l	m	m	l	k	...	...	...	...	...	...	b$_{\frown}$, bc, c *a* : bc, b, bc *p* : bc, b$_{\frown}$ *n*.
13	St:Frnb:Stcu:Ast	St:Cu:Stcu:Ci	St:Ast	9	9	7	6	10	10	J	J	k	k	k	J	...	...	...	...	...	●⁰	b$_{\frown}$, cp●⁰, c *a* : c, bc, c *p* : ci●⁰, o●⁰ *n*.
14	St:Frnb	St:Frnb	St:Frnb:Stcu	10	10	10	10	10	10	G	I	I	I	I	I	●⁰	●⁰	●⁰	●⁰	...	d	oi●⁰, o●⁰ *a* : o●●⁰, od, c *p* : ci●⁰, oid, c *n*.
15	St:Frnb:Ast	St:Frnb	Cu:Stcu:Ci	10	9	10	8	5	2	J	k	I	J	k	k	...	...	●	...	...	...	cid$_0$, c, b, bc *a* : ci●, c, bc *p* : b, bc, c *n*.
16	St: Ast	St:Cu	St:Stcu	10	9	8	8	9	10	k	k	k	k	k	k	...	...	...	...	...	...	c, bc, c *a* : c, bc, c *p* : cloudy *n*.
17	St:Frnb:Stcu:Nbst	St: Stcu	Cu:Stcu: Acu:Ci	10	10	10	9	9	4	k	k	l	l	l	k	...	...	...	...	...	...	c, cid$_0$, c●⁰ *a* : c, bc, c *p* : cp●⁰, bc *n*.
18	St:Cu:Stcu	Cu:Frcu:Cist:Ci	Cu: Stcu:Acu:Cist	4	8	3	6	8	10	l	l	m	m	l	k	...	...	...	...	...	...	b, cp●⁰, bc *a* : bc, c *p* : cloudy *n*.
19	St:Cu	Cu:Frcu:Ci	Cu:Ci	4	6	5	4	6	6	l	l	l	l	l	l	...	...	...	...	...	...	cp●⁰, bc, c *a* : bcy, c, bc *p* : bc *n*.
20	Frst:Stcu	St:Stcu	St:Stcu	9	10	9	10	9	10	l	l	l	m	m	l	...	...	...	...	...	...	bc, c *a* : cid$_0$, cp●⁰, c() *p* : c(), c *n*.
21	St:Stcu	St:Stcu	St:Stcu	10	10	9	9	9	10	k	h	k	l	l	l	...	d	...	...	...	...	c, od$_0$d, cd●⁰ *a* : cloudy *p and n*.
22	St:Frnb	St:Frnb:Stcu	St:Cu:Frnb:Ast	10	9	9	10	10	10	k	k	k	l	k	k	●⁰	...	...	...	...	●⁰	ci●⁰, o●⁰, cp●⁰ *a* : cp●⁰, ci●⁰, c *p* : ci●⁰● *n*.
23	Cumb:Frnb:Ci	Cu:Acu	Cu:Ci	5	2	5	4	2	7	l	l	m	m	m	m	...	...	...	...	...	...	oi●², o●⁰, b, bc *a* : bc, bcp●⁰ *p* : bc, cp●⁰● *n*.
24	St:Stcu	St:Frnb: Ast	Frst:Frnb:Nbst	9	10	10	10	10	9	k	k	J	J	I	k	...	...	●⁰	...	...	...	cp●, bc, c *a* : ci●⁰, c, ci●⁰●, c *p* : cp● *n*.
25	Cu:Frnb	Cumb:Frnb:Ast:Ci	Frnb: Ast	9	8	7	9	9	10	k	k	k	k	J	J	...	...	...	...	●⁰	●	cp●q⁔, cp▲●q⁔, c *a* : cp●⁰q⁔ *p* : cp●⁰q⁔ : c● *n*.
26	Frst:Frnb	St:Frnb	St:Frnb:Stcu	10	10	10	9	9	7	h	h	J	J	J	J	●⁰	●⁰	...	...	●⁰	...	c●●⁰ to 3h, ci●⁰, cid$_0$ *a* : cp●⁰q⁔ *p* : cp●⁰q⁔, b, bc *n*.
27	Cu:Stcu: Ast:Acu	Cu: Frnb:Ci	Cumb:Frnb	10	9	9	6	7	8	l	k	l	k	k	k	...	...	...	...	●	...	bcy, cp●⁰● *a* : cp●⁰q, bc, cp● *p* : cp●, bc *n*.
28	Cu:Stcu:Acu	St:Stcu: Acu:Ast	St:Stcu	8	9	10	10	10	10	l	l	k	k	I	I	...	...	...	...	d	●⁰	c, bcp●⁰, c *a* : cp●⁰, c, ci●⁰, cid *p* : cid$_0$ o●⁰ from 19h *n*.
29	St:Stcu	St:Stcu	St	10	9	9	10	10	10	h	J	J	J	G	h	...	...	...	...	d$_0$	d$_0$	o●⁰ oh to 4h, c *a* : c, cid$_0$●⁰, od$_0$ *p* : od$_0$, oi●⁰, oid$_0$ *n*.
30	Frst:Frnb	St: Ast	St:Frnb:Ast	10	10	10	10	10	9	h	J	J	I	I	k	●⁰	...	●⁰	●	●⁰	...	oid$_0$, o●⁰, ci●⁰ *a* : ci●⁰, o●●⁰ 13h to 19h, ci●⁰, c *p and n*.
31	Cu	Cu:Stcu:Ci	St:Stcu: Ci	2	8	4	4	9	9	l	l	l	l	l	l	...	...	...	...	...	...	cp●⁰, bc *a* : bc, cp●⁰ *p* : c, cp●⁰, c *n*.
Mean Cloud Am'nt.				7·8	7·9	7·6	7·8	7·8	7·0													

Day | 7h | 13h | 18h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | Remarks on the Weather of the Day
Cloud Forms | Cloud Amount (All Forms) | Visibility | Precipitation

439 VALENTIA OBSERVATORY NOVEMBER, 1936

Day.	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St:Stcu:Acu:Ast	St	St	10	10	10	10	10	9	l	l	h	h	h	I	...	...	d_3	$\bullet^0$	d	d_0	cp$\bullet^0$, cid$_0$ *a* : od$_3$, o$\bullet^0$, oid *p* : oi$\bullet^0$, cid$_0$ *n*.
2	Stcu:Acu:Ast:Cicu	St:Stcu	St	9	9	10	10	10	10	k	k	k	G	h	G	...	...	...	$\bullet^0$	d_0	d_0	cloudy *a* : c, cid$_0$, o$\bullet^0$, cid$_0$ *p* : cid$_0$, od, ci$\bullet^0$ *n*.
3	St:Stcu:Acu	Frst:Stcu	Stcu	7	9	10	9	9	7	k	l	l	l	l	l	...	...	...	...	...	...	ci$\bullet^0$, cp$\bullet^0$, c *a* : cloudy *p* : c, bc *n*.
4	St:Cunb:Frnb:Acu	St:Cunb:Frnb:Ast	Cunb:Frnb	8	9	9	9	9	5	J	k	k	l	J	k	...	...	$\bullet^0$	...	$\bullet^2$	...	c, ci$\bullet^0\bullet$, cp$\bullet$, oi$\bullet^2$ *a* : ci$\bullet^0$, c, cp$\bullet^2$q *p* : cp$\bullet$, bc, cp$\bullet$ *n*.
5	Cunb:Frnb:Stcu	Cunb:Cicu:Ci	Cunb:Frnb	8	2	6	7	10	9	k	l	l	l	k	k	...	...	...	...	$\bullet$	$\bullet^0$	cp$\bullet\bullet^0$q, bc *a* : bc, c, cp$\bullet$ *p* : cp$\bullet$, oi$\bullet^0\bullet$ *n*. [cp$\bullet$ *n*.
6	St:Frnb	Cunb:Cu: Acu	Cunb:Frnb	10	9	6	10	7	7	J	k	m	k	k	k	$\bullet$	$\bullet^0$	...	$\bullet^0$	...	...	o$\bullet^0\bullet\bullet^2$ until 4h, ci$\bullet$q, cp▲$\bullet$, bc *a* : bcp$\bullet^0$, ci$\bullet^0$ *p* : ci$\bullet^0$,
7	Frst:Cunb: Frnb	Frnb: Mbst	Frnb	9	9	10	9	9	9	k	k	J	J	J	J	...	...	$\bullet$	...	$\bullet^0$	$\bullet^0$	ci$\bullet\bullet^2$q≋, cp$\bullet^0\bullet\bullet^2$, ci$\bullet$ *a* : o$\bullet$, ci$\bullet\bullet^0$, cp$\bullet^0$≋ *p* : ci$\bullet^0$ [cp$\bullet^0\bullet$ *n*.
8	St:Cunb:Frnb	Frst:Cunb:Frnb:Ast	St:Frnb:Mbst	10	9	10	10	10	3	J	l	k	J	J	k	$\bullet$	...	...	$\bullet^0$	...	...	cp$\bullet^0$, ci$\bullet$q≋≺, cp▲$\bullet$≋q *a* : ci$\bullet^0$, o$\bullet$≋, c *p* : cp$\bullet^0$, bc,
9	Cunb:Frnb	Cunb:Frnb:Stcu:Ast	Cunb:Frnb:Mbst	7	9	9	10	10	9	k	k	k	k	k	k	...	...	...	...	...	...	cp$\bullet$q, cp$\bullet^0\bullet$, c *a* : cp▲$\bullet$, cp$\bullet$q *p* : c, bc, c *n*. [cp$\bullet$ *n*.
10	Cunb:Frnb	Cunb:Frnb:Acu:Ast	Cunb:Frnb:Ci	7	3	4	6	5	10	J	m	l	l	l	k	...	...	...	...	...	...	cp$\bullet^0\bullet$q, bc, cp▲$\bullet$ *a* : bc, cp$\bullet^0$, bc *p* : bc, c, ci$\bullet^0$ *n*.
11	St:Frnb:Mbst	St:Stcu	St:Stcu	10	10	9	9	8	9	k	h	J	l	k	J	$\bullet^0$	$\bullet^2$	...	...	...	$\bullet^0$	o$\bullet^0\bullet$ until 6h, ci$\bullet^0$q≋, o$\bullet^2$ 7h to 10h, cp$\bullet$ *a* : ci$\bullet^2\bullet^0$, c
12	Cunb:Frnb	Cunb:Frnb	Cunb:Frnb	10	9	7	7	6	9	k	k	k	k	k	k	$\bullet^0$	$\bullet^0$	...	$\bullet^0$	...	...	c, ci$\bullet^0$q≋, c *a* : cp$\bullet^0\bullet$, bc *p* : bc, c *n*. [*p* : ci$\bullet^0$ *n*.
13	Cu:Stcu: Acu	St: Ast	St: Cunb:Stcu	9	10	10	9	7	4	k	l	k	J	k	k	...	...	...	...	...	...	c, bc⌓, cp$\bullet^0$, ci$\bullet^0$ *a* : c, c$\bullet$, bc, c *p* : c, bc, c *n*.
14	St: Stcu	Cunb:Stcu:Ci	Cu:Stcu:Acu:Cist	4	7	6	8	9	6	k	l	k	k	k	k	...	...	...	...	...	...	cp$\bullet\bullet^0$, bc *a* : bc, c *p* : cp$\bullet$, bc, cp$\bullet^0$ *n*.
15	St:Stcu: Ast:Acu	Frst:Frnb:Mbst	Frst: Ast:Acu	10	10	10	10	9	10	k	J	h	J	h	I	...	...	$\bullet^0$	d_0	...	$\bullet^0$	bc, cp$\bullet^0$, c *a* : c$\bullet^0$ 12h to 14h, od$_0$, c *p* : c, oi$\bullet^0$ *n*.
16	St: Frnb	St:Frnb	St	10	10	10	10	10	9	I	I	I	h	h	I	$\bullet^0$	...	$\bullet^0$	$\bullet$	d	d	ci$\bullet$, o$\bullet\bullet^0$ 4h to 8h, ci$\bullet$ *a* : o$\bullet^2\bullet^0$, ci$\bullet\bullet^0$, od *p* : oid, ci$\bullet^0$ *n*.
17	Frst:Stcu	St:Cu:Stcu	Frst:Stcu	8	9	3	9	6	0	h	J	l	l	l	l	...	d_0	...	...	...	...	oi$\bullet^0$, cidd$_0$, bc *a* : bc, c, bc *p* : bc, b *n*.
18	-	Acu:Cicu:Cist:Ci	Acu:Ci	0	6	9	7	3	1	l	l	m	m	m	l	...	...	...	...	...	...	b, b⌓, bc, c *a* : c, bc *p* : bc, b⌓, bc⌊ *n*.
19	Stcu	St:Stcu	St: Stcu	4	6	5	4	6	6	l	l	l	l	l	l	...	...	...	...	...	...	b⌊, c⌓, c *a* : c, o, bc *p* : bc, b⌓ *n*.
20	-	Cu	Frcu	9	10	9	10	9	10	l	l	l	k	k	k	...	...	...	...	...	...	fine throughout, ⌊ early, ⌓ night.
21	-	Ci	Acu:Ci	10	10	9	9	9	10	k	k	k	k	k	k	...	...	...	...	...	...	b⌊, bc *a* : bc, c, bc *p* : bc⌊ *n*.
22	Stcu	Stcu:Acu:Ast	St:Stcu	10	9	9	10	10	10	k	k	k	k	k	I	...	...	...	...	...	...	bc⌊, c; o *a* : cloudy *p and n*.
23	St:Stcu	St:Stcu	St:Stcu	5	2	5	4	2	7	k	G	k	k	k	k	...	$\bullet$	...	...	$\bullet^0$	...	c, bc, ci$\bullet$, o$\bullet\bullet^0$, c *a* : cp$\bullet^0\bullet$, bc, cp$\bullet^0$ *p* : cp$\bullet^0$, c *n*.
24	St:Stcu: Acu:Ci	Cu:Cist:Ci	St:Stcu	9	10	10	10	10	9	l	l	l	l	l	l	...	...	...	...	...	...	cp$\bullet^0$, bc, c *a* : cloudy *p* : c, bc *n*.
25	St:Frnb	St:Stcu	Stcu: Acu	9	8	7	9	9	10	k	l	k	l	l	k	$\bullet^0$	...	...	...	...	...	bc, ci$\bullet^0$, c *a* : cloudy *p and n*.
26	Stcu	Stcu	Stcu:Ci	10	10	10	9	9	7	k	l	l	l	l	J	...	...	...	...	...	...	cp$\bullet^0$, c *a* : c, bc⌓ *p* : bc⌓, b⌊ *n*.
27	Acu	Stcu	Cunb:Stcu:Ci	10	9	9	6	7	8	l	l	k	k	k	k	...	...	...	...	...	$\bullet^0$	b⌊, bc, c *a* : cp$\bullet^0$, bc, cp$\bullet^0$ *p* : cp$\bullet^0$, c *n*.
28	St:Cunb:Stcu	Cu: Ci	Stcu:Acu:Ast:Ci	8	9	10	10	10	10	l	l	m	m	m	k	...	...	...	...	...	...	cp$\bullet^0$, bc *a* : bcp$\bullet^0$, bc, c *p* : cloudy *n*.
29	St:Frnb	St: Frnb	St	10	9	9	10	10	10	I	h	G	G	G	k	$\bullet^0$	$\bullet^0$	d	d	d_0	...	ci$\bullet^0$, o$\bullet^0$, ci$\bullet$, o$\bullet^0$ *a* : odd$_0$f, od$_0$, *p* : od$_0$, cid$_0$, c *n*.
30	St	St:Stcu	St:Stcu	10	10	10	10	10	9	J	J	k	k	k	k	d_0	$\bullet^0$	...	...	...	...	ci$\bullet^0$, oid$_0$, cp$\bullet^0$ *a* : c, bc *p* : cloudy *n*.
Mean Cloud Am'nt.				8·3	8·4	8·3	8·7	8·3	7·7													

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1	Stcu	St:Stcu	St:Stcu	9	9	10	9	9	10	k	l	l	l	l	k	...	...	...	...	...	...	cloudy *a* : c, cp$\bullet^0$, c *p* : c, cp$\bullet^0$, c *n*.
2	St:Stcu	St:Stcu	St:Cu	10	10	10	9	3	9	J	I	J	J	J	k	...	...	...	...	...	...	c, cid$_0$, c *a* : c, bc *p* : bc, cp$\bullet^0$, oid$_0$ *n*.
3	St:Stcu	St:Stcu	St:Stcu	10	9	9	9	9	10	J	J	J	I	k	k	d_0	...	...	...	...	...	c, oid$_0$, ci$\bullet^0$, od *a* : cid$_0$d$_2$, c *p* : cp$\bullet\bullet^0$, c *n*.
4	St:Cunb:Stcu:Acu	Cu	Cunb:Frnb:Stcu	5	7	1	10	9	4	l	l	l	l	k	k	...	...	...	...	...	...	cp$\bullet^0$, bc, cp$\bullet^0$, b *a* : bc, cp$\bullet^0\bullet$, c *p* : cp$\bullet$q *n*.
5	St:Cunb:Stcu	Cunb:Stcu	Cunb	7	2	4	6	4	4	k	k	l	k	k	k	...	...	...	...	...	...	cp$\bullet\bullet^0$q≋, cp▲$\bullet\bullet^0$q≋, bc *a* : bcp$\bullet^0$, cp▲$\bullet$q≋, bc *p* : bc, [cp▲$^0\bullet^0$ *n*.
6	Cunb:Cu:Stcu	Cu:Stcu	Cu:Stcu	9	9	4	7	7	3	k	l	m	m	l	k	...	...	...	...	...	...	c, cp▲$^0\bullet^0$, c, bc *a* : bc, cp$\bullet^0$, bc, c *p* : c, bc, c *n*.
7	St:Frnb	St:Frnb	St:Stcu	10	10	10	9	9	10	I	J	J	k	J	J	$\bullet^0$	$\bullet^0$	...	...	...	...	c, c$\bullet^0\bullet$ 2h to 8h, cp$\bullet^0$ *a* : cloudy *p and n*.
8	St	St:Cu:Stcu	St:Stcu	10	10	9	9	10	7	J	I	k	k	k	k	$\bullet^0$	$\bullet^0$	...	...	...	...	c, oi$\bullet^0$, o$\bullet^0$, c *a* : cid$_0$, c *p* : c, bc *n*.
9	Stcu: Acu:Cist	Stcu: Acu: Ci	St:Stcu	4	7	6	9	10	10	l	l	l	l	l	k	...	...	...	...	...	d_0	bc⌓, bc⌊, c *a* : bc, c *p* : c, cid$_0$, c *n*.
10	St:Stcu	St	St	10	10	10	10	10	10	k	k	G	G	G	I	d_0	d_0	d	d	d_3	$\bullet^0$	c, oid$_0$, od$_0$d, *a* : odd$_3$ *p* : od$_3$, o$\bullet^0$ to 22h, oi$\bullet^0$ *n*.
11	St:Frnb	Cu:Frnb:Stcu:Ast	Cunb:Cu: Ci	10	10	10	9	3	3	I	I	l	l	l	l	$\bullet$	$\bullet$	...	...	...	...	o$\bullet^0\bullet\bullet^2$ to 9h, ci$\bullet^0$ *a* : c, cp$\bullet^0$, bc *p* : bc, cp$\bullet^0$ *n*.
12	Cunb:Stcu	Cunb:Frcu:Frnb	Cunb:Frnb	5	5	8	8	7	3	l	l	l	m	l	l	...	...	...	...	...	...	cp$\bullet\bullet^0$, bcp▲$^0\bullet^0$ *a* : c, bcp$\bullet^0$, cp▲$\bullet$q *p* : bc, cp$\bullet^0$, c *n*.
13	St:Stcu: Ast:Acu	Frnb:Mbst	Frnb	10	10	10	10	10	10	k	I	I	I	h	J	...	$\bullet^0$	$\bullet$	$\bullet$	$\bullet$	$\bullet^0$	cp$\bullet^0$, o$\bullet^0\bullet\bullet^2$ 8h to 20h, then ci$\bullet^0\bullet$, ≋ 13h.
14	St:Stcu	St:Frnb	Cunb	10	10	10	10	1	3	k	J	J	l	l	l	...	$\bullet^0$	$\bullet$	...	...	...	ci$\bullet^0\bullet$, c$\bullet^2\bullet$, c *a* : ci$\bullet$, o$\bullet$, by *p* : by, bcp▲$^0\bullet^0$ *n*.
15	Cunb:Stcu	Frnb:Stcu:Mbst	Frnb	6	4	10	10	10	3	l	l	l	J	G	k	...	...	...	$\bullet^0$	$\bullet$	...	bc, cp$\bullet\bullet^0$q, bc, c *a* : cp$\bullet$≋, o$\bullet^0\bullet$q≋ 14h to 20h, bc≺cp$\bullet$ [*p and n*.
16	St:Cunb:Stcu	Cunb:Frnb	Cunb	7	6	9	4	1	3	k	l	J	J	J	l	...	...	...	...	...	...	cp$\bullet$q≋, cp▲$\bullet$≋, bcp$\bullet^0$, c *a* : cp$\bullet^0$, bc *p* : bc, c *n*.
17	St:Frnb	St:Frnb:Ast:Acu	St:Frst:Cist	10	10	9	10	7	3	J	I	J	J	k	k	$\bullet$	$\bullet^0$	...	...	...	...	cp$\bullet^0$q≋, o$\bullet\bullet^0$ 3h to 9h, ci$\bullet$ *a* : cloudy ≋ *p* : bc, cp$\bullet$ *n*.
18	St:Stcu	Cu:Stcu:Acu	Cunb:Frnb	2	8	8	2	9	6	l	k	l	l	k	l	...	...	...	...	▲	...	bc, cp$\bullet^0$, bc *a* : c, bc, cp▲$\bullet$q≋ *p* : cp▲$\bullet$, c *n*.
19	St:Stcu	St:Frnb:Ast	St:Frnb:Mbst	3	4	10	10	10	10	l	l	k	k	J	...	...	...	...	...	...	...	c, bc, cq≋ *a* : cloudy *p and n*.
20	St:Stcu	St	St	10	9	10	10	10	10	k	k	h	h	G	h	$\bullet^0$	...	d	d	d	$\bullet^0$	cp$\bullet^0$q≋, c, od *a* : od, oi$\bullet^0$q≋, od *p* : od, oi$\bullet^0$ *n*.
21	St:Frnb	St:Frnb	St:Frnb	10	10	10	10	10	10	I	h	h	J	h	I	$\bullet$	$\bullet$	$\bullet^0$	...	$\bullet^0$	$\bullet^0$	o$\bullet^0$ to 15h, c, ci$\bullet^0$, o$\bullet\bullet^0$ 16h to 23h.
22	Stcu: Acu:Cist	Cu:Stcu	Cu	6	9	3	4	1	2	k	l	m	m	m	m	...	...	...	...	...	...	c, bc, cp$\bullet$, bc *a* : bc, b *p* : b, cp$\bullet$, c *n*.
23	Cu:Stcu	St:Cu:Stcu	St:Stcu	1	5	3	8	9	7	l	l	l	m	l	k	...	...	...	...	...	...	bc, b⌊, cp$\bullet^0$, bc *a* : bc, cp$\bullet^0$ *p* : cp$\bullet^0$, c *n*.
24	Stcu	St: Cu	Cu: Stcu: Acu	7	9	3	2	1	9	k	l	l	m	k	...	...	...	...	...	...	...	cp$\bullet^0$, c, bc *a* : bc, c, b *p* : b, c *n*.
25	Cu:Stcu	Cu:Stcu:Acu	Stcu	5	1	4	9	9	10	l	l	m	m	m	l	...	...	...	...	...	$\bullet^0$	c, bc⌓, b *a* : bc, c *p* : c, ci$\bullet^0$ *n*.
26	St	St:Stcu:Ast	Stcu:Acu: Ast: Ci	10	10	9	10	9	9	I	m	m	m	l	l	$\bullet^0$	...	...	...	...	...	ci$\bullet^0$, o$\bullet^0$, c *a* : c(), cid$_0$, c *p* : c, cp$\bullet^0$ *n*.
27	St:Stcu	St:Stcu	St:Stcu	10	10	10	9	10	9	k	l	k	k	k	k	...	...	...	...	...	...	cp$\bullet^0$, c *a* : c, cid$_0$, c *p* : cp$\bullet^0$, c *n*.
28	Cu:Stcu:Ast:Acu	Frnb:Stcu:Ast:Acu	St: Stcu: Ast	10	10	9	9	10	10	k	l	k	m	k	J	...	...	...	...	d_0	d_0	cp$\bullet^0$, ci$\bullet^0$, o$\bullet^0$ *a* : ci$\bullet^0$, c(), cid$_0$ *p* : cid$_0$, ci$\bullet^0$ *n*.
29	St:Cunb:Stcu	Cunb:Frnb	Cunb:Stcu	5	6	7	2	4	9	k	l	l	m	l	l	...	...	$\bullet^0$	...	...	...	ci$\bullet^0$, cp$\bullet$, bc *a* : cp$\bullet^0$q, bc, cp▲$\bullet$, bc *p* : bc, c *n*.
30	St:Stcu	St:Frnb	St:Frnb	10	10	10	10	10	10	J	J	I	J	J	J	...	$\bullet^0$	$\bullet^0$	$\bullet^0$	...	...	c, cp$\bullet^0$, ci$\bullet^0$, c$\bullet^0\bullet$ *a* : ci$\bullet^0$, c *p* : c, cp$\bullet$q≋, c *n*.
31	St:Stcu: Ci	Cu:Stcu:Acu	Cu: Frnb	8	10	3	9	6	9	J	J	k	k	k	J	...	...	...	...	...	$\bullet$	cp$\bullet^0\bullet^2$q≋, c, cp$\bullet^0$ *a* : bc, cp$\bullet^0\bullet$, bc *p* : bc, cp$\bullet\bullet^2$ *n*.
Mean Cloud Am'nt.				7·7	8·0	7·7	9·1	7·8	7·8													
Mean Annual Cloud Am'nt.				7·7	7·7	7·6	7·6	7·6	7·2													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

M.O. 400.
(Kew)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia, and Kew, and the results of soundings of the upper atmosphere by means of registering balloons.

KEW OBSERVATORY

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1938

KEW OBSERVATORY

Latitude	51° 28′ N.
Longitude	0° 19′ W.
G.M.T. of Local Mean Noon	12h. 1m.

Heights in Metres above Sea Level.

Barometer	10·4
Raingauge Site	5·5
Dines Pressure Tube Anemometer	28

Heights in Metres above Ground.

Thermometer Bulbs	3·0
Sunshine Recorder	13·3
Dines Pressure Tube Anemometer	23
Beckley Raingauge Rim	0·53

INTRODUCTION

The observatory was built in 1769 as the private observatory of King George III. Since 1842 it has been devoted to physics and meteorology. The meteorological records are continuous from 1854. The Observatory is in the Old Deer Park, Richmond (Surrey), about 10 miles (16 km.) to the west of the City of London. The Observatory stands on a low artificial mound whose level is about 1½ metres higher than that of the surrounding park. Round the Observatory a golf course has been laid out. The River Thames is distant about 300 metres on the north and west. Kew Gardens, which are extensively wooded, lie to the east-north-east, the nearest point of the Gardens being about 600 metres away. The town of Richmond, to the south-east, is about 1,100 metres distant. On the east side of the Park is the main road from Richmond to Kew; on the south side the railway from Richmond to Twickenham. An open area partly wooded, Syon Park, lies to the north-north-east across the river. Richmond Park is about 1½ miles (2½ km.) to the south-east. A general view of the Observatory building and the exposure lawn, an aerial photograph, a plan of the surrounding country and a site plan are to be found in the 1935 volume. The photographs were taken in 1935. For the early history of the Observa-

tory reference may be made to papers by S.P. Rigaud*, R.H. Scott†, C. Chree‡ O.J.R. Howarth‡‡, R.S. Whipple††.

METEOROLOGY

The elements dealt with in the following tables are: atmospheric pressure, temperature, humidity, rainfall, sunshine, solar radiation, wind speed and direction, earth temperature, minimum temperature on the grass, level of underground water; there is also a diary of cloud and weather.

For brief descriptions of most of the instruments from which values of the above elements have been obtained and of the methods of tabulating the records, reference should be made to the General Introduction. The following notes supplement, where necessary, the information contained therein.

Notes on Instruments

Pressure.- The barograph is mounted in the basement of the Observatory, where the diurnal variation of temperature is very small. The normal position of the instrument has been in the north room occupied by the magnetographs. When the magnetographs were removed and the preparations for the installation of the seismographs were commenced, the barograph was placed in the photographic darkroom (June 16th, 1925). The instrument remained in that position until May 21st, 1928, when it was restored to its original site and electric lighting installed. The barograph magnifies barometric changes in the ratio 1·553 : 1, i.e., the change of ordinate equivalent to a change of 1 mm. in the height of the barometer is 1·553 mm. "Residual corrections," obtained from the control observations taken daily with the Newman Barometer at 9h, 15h and 21h, are applied to the hourly measurements. The same correction is applied to all the readings on the same photographic sheet, i.e., generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by ·3 mb from those observations. The Newman barometer is compared from time to time with the two large mercury barometers, which were set up in 1855 and 1860 respectively, the accuracy of which has been confirmed by indirect comparisons with the new standard of the N.P.L.** A zero correction for the Newman barometer is based on these comparisons. The correction + 0·2 mb. (+·006 mercury inch) which has been applied for many years, remained in use. Comparisons are made on the assumption that the value of the acceleration due to gravity is $g = 981{\cdot}199 \text{cm/sec}^2$. This is the value given by pendulum observations.†††

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*Observatory, London 1882, p.279 ‡London, Rec. roy. Soc., 1897
†London, Proc. roy. Soc., 39, 1885 pp. 37-86. ††London Proc.opt. conv., 1926
‡‡The British Association for the Advancement of Science:a retrospect, 1831-1921. London, 1922
**London Met. Mag., 68, 1933, pp.119-120
†††A comparison between the values of "g" at Cambridge and Kew Observatory was made during the year 1925 by Sir G.P. Lenox-Conyngham with the assistance of Mr. G. Manley. A similar comparison between Potsdam and Cambridge was made by Prof. Meinesz earlier in the year. These observations are in accord with those made at Kew and Potsdam by Putnam in 1900, from which the value stated above was derived. The value for Potsdam, g = 981·274, based on the observations of Kühnen and Fürtwangler, is adopted as the standard of reference. For the latitude of Kew Observatory, 51° 28′, the formula in the General Introduction gives g = 981·185

The departure from the value given for the latitude by the formula quoted in the General Introduction is insignificant. On occasions when a loss of trace occurred, the missing hourly values were derived from the Dines Float Barograph.* In the year there were 43 hours for which this was necessary.

Temperature and Humidity.- The thermograph is mounted in the West Room on the first floor of the Observatory, the thermometer bulbs being exposed in the screen attached to the north wall of the building. This screen has single louvres and the bottom is open. There is an additional flat louvred screen which shields the main screen from direct sunshine when the sun is in the West and not too low. The height of the bottom of the bulbs of the recording thermometers above the bottom of the sides of the screen containing them is 30 cm. in summer, 33 cm. in winter. The height of the bulbs above the top of the artificial mound on which the Observatory stands is approximately 3 metres; the height above the lawn where the rain-gauge is situated is approximately 5 metres. The scale values of the photographic records are not identical for the dry and wet-bulb curves. For the dry-bulb, tube No. 4 II was in use with a scale value of 1 mm. = 0·334°A; for the wet-bulb, the old Falmouth wet-bulb tube (no number) with a scale value of 1 mm. = 0·290°A was in use until it was broken on March 18th. It was replaced by the old Kew wet-bulb tube No.4 with a scale value of 1 mm. = 0·271°A.

Up to the year 1916 thermometers graduated on the Fahrenheit scale were in use in the North Wall Screen for controlling the thermograph readings. Then thermometers graduated in the absolute scale were introduced. Of these two absolute thermometers one was broken in June, 1933 and one of the old Fahrenheit thermometers took its place. Readings of the control thermometers are used for the daily weather service and for that purpose readings on the absolute scale have to be converted to Fahrenheit. It was decided that it would be more convenient to make the alternative conversion from Fahrenheit to Absolute and accordingly the use of thermometers with the absolute graduation terminated at the end of 1933. Before the Fahrenheit thermometers which had been in use up to 1916 were put back in the screen they were tested at the National Physical Laboratory. It is satisfactory to note that the two thermometers are correct within 0·1 °F. The close agreement of the scale of the Kew standards with the scale of the hydrogen thermometer was demonstrated by Harker in 1905**. The recent tests indicate that these thermometers with large bulbs keep their zeros well.

The water for the wet-bulb thermometers is supplied from a tank fitted outside the screen. A large bottle is inverted over the tank and water flowing from this bottle keeps the level constant in the tank and in the cups from which wicks are taken to the wet-bulbs. The height of the apparatus is adjusted so that the water drips steadily from the wet-bulbs. A bottleful of water lasts at least a week. It is found that the bottle survives severe frost.

Control eye-readings of the standard thermometers are taken daily at 9h, 15h and 21h. Residual corrections obtained from the control observations are applied to the hourly measurements of the curves. The same correction is applied to all the readings on the same photographic sheet, i.e., generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by 0·3°A. from these observations. The larger departures refer to occasions when temperature is oscillating or changing rapidly.

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*For descriptions of this instrument see "Observatories' Year Book",1923 p.94, and London, Quart. J. R. met. Soc.,55, 1929, p.37

**London Proc. roy. Soc. 78 (A), 1907, p.225. and London, Coll. Res. nat. phys. Lab., 2, p.215

In cases of loss of the dry-bulb record owing to the failure of the electric light or any other cause the readings of a mercury in steel thermograph are adopted. In the year there were 70 hours for which this was necessary.

When the wet-bulb trace is missing or defective the missing values are derived from the dry-bulb trace and the records of a hair hygrograph. The same procedure is always adopted when the wet-bulb reading is below 273°A. 602 hours had thus to be dealt with during the year. Humidity was determined from the dry and wet-bulb readings by the procedure described in the General Introduction to this volume.*

It may be noted that during 1936, as in previous years, the temperatures published for Kew Observatory in the Daily Weather Report and elsewhere also refer to the North Wall Screen. For the daily and weekly reports the readings of maximum and minimum thermometers exposed in that screen are utilised.

Rainfall.- As from January, 1921, the standard raingauge for the Observatory has been an 8 -inch gauge with the deep "Snowdon" funnel. The site is level and protected from wind, principally by hedges about 1½m. high and distant 11 metres to East and 17 metres to West. The readings of this standard gauge are at 7h and 18h. The hourly readings normally refer to the Beckley gauge. In 1936 this gauge was out of action from June 12th onwards pending a complete overhaul including the construction of a copper funnel to replace the old iron one, the porcelain finish of which had become chipped giving a rough surface even when painted over, and the fitting of a steel liner to the float chamber to make the scale value correspond with the graduations on the chart. From June 12th onwards a Casella natural-syphon gauge No.M.O. 13/28/34 was used. The hourly readings are adjusted to give totals in agreement with the standard gauge. Continuous records of the rate of rainfall are obtained from the Jardi rate of rainfall recorder. The instrument is situated 12 metres from the north wall of the Observatory and the rim is 1·2 metres above the surrounding ground. With heavy rainfall comparable records are obtained from the "minute-by-minute gauge"‡‡. The rim of this gauge which is situated on the lawn 10 metres SW of the Beckley gauge is 1·2 metres above the ground.

Sunshine.- The sunshine recorder is mounted on the south parapet of the roof. The same frame has been in use since 1880 and it is believed that the ball has not been changed. The ball is now somewhat yellow. The exposure is satisfactory. The greatest elevations of the sky line in the aximuths in which the sun can rise and set are 1° and 3° respectively.

Solar Radiation.- Observations made with the Ångström pyrheliometer of the intensity of direct solar radiation received by a surface normal to the sun's rays have been published regularly since 1911. From 1934 daily totals of radiation recorded by the Gorczynski pyrheliograph have also been printed.

The Ångström pyrheliometer observations†† are made within half an hour of noon. The mean intensity, derived from three readings, is given in Tables 499 to 510 in mw/cm^2.(1 mw = 0·01435 cal/min.). The secant of the sun's zenith distance at the time of these observations is entered under "sec Z" and the atmospheric conditions under "sky".

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*Prior to 1926 the tables, based on Glaisher's factors, published in "The Computer's Handbook," M.O. 223, Sec. 1, 1916, were used

‡‡ London, Met. Mag. Aug. 1934., pp. 157-158

†† London, Report of the International Meteorological Committee, St.Petersburg, 1899, p.57

Ångström pyrheliometer No. 24 by Rose, Stockholm was in use throughout the year. This instrument was compared in 1924 with the standard instrument at Uppsala, No. 70, and the reduction factor adopted depends on this comparison. Until recently there was considerable uncertainty as to the accuracy of the Ångström pyrheliometer regarded as an absolute instrument. Investigations at the National Physical Laboratory and elsewhere have now demonstrated‡ that the error of the scale of Ångström Standard No.70 does not exceed ½ per cent.

The Moll thermopile of the Gorzynski pyrheliograph is mounted on a heliostat near the sunshine recorder and is connected to a Richard millivoltmeter in the dome. The pen of the millivoltmeter is depressed once each minute electromagnetically. The apparatus is standardised by the Ångström pyrheliometer. The total radiation for the day is derived from hourly readings and is reduced to joules/cm^2 (1 joule = ·239 calorie). The hourly readings are communicated to Paris for publication in the Bulletin Actinometrique International.

Wind Speed and Direction.-

Particulars of Dines Pressure Tube Anemometer:-

Pattern	.. Mark II (see "Observer's Handbook" 1934 p.115).
Suction Holes	.. 80 holes in 4 rows of 20. Diameter 2 mm.
Connecting tubes ..	.. Length 8 m. Internal diameter 24 mm.

Height of vane above lawn 23 m.

The present instrument with its head mounted above the dome has been in regular use since January 1st 1931. Details of the anemometers previously in use will be found in the 1933 Year Book.

There is a continuous belt of trees along the river about 300 metres away and other tall trees at shorter distances, but few of the trees have their summits above the level of the new vane.

Earth Temperature.- The two thermometers in use were at 30 cm. and 122 cm. The ground in which the tubes for the thermometers are sunk is under grass. The soil is gravel. The site is well exposed. There are, however, three fruit trees about 9 metres to the east and 6 metres high. The bulb of the lower thermometer is 430 cm. above sea level. In some years the underground water surpasses this level.

Minimum Temperature on the Grass.- The grass minimum thermometer is set at 18h and read at 7h on the succeeding day, the reading being assigned to the day of reading.* The thermometer is placed with the bulb about 25 mm. above the turf. The exposure is good, there being no obstruction within 76° from the zenith. The thermometer has a spherical bulb, diameter 17 mm.

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‡J. Guild, London, Proc. roy. Soc. Ser.A. vol. 161, July 1937, pp 1-38

*The hour of the readings to be published in the "Observatories' Year Book" was changed from 9h. to 7h. as from January 1st, 1924

Identification Numbers of Instruments in use in 1936

Control barometer	Newman 34
Control Dry Bulb Thermometer	No. 666
Control Wet Bulb Thermometer	No. 788
Recording Beckley Raingauge	1
Recording Casella Raingauge	M.O. 13/28/34
Jardi Rate of Rainfall Recorder	M.O. 3/32
Control Raingauge (8-inch)	M.O. 1271
Measuring Glass for the Control Raingauge	1693 & 1768
Campbell-Stokes Sunshine Recorder	M.O. 12
Dines Pressure Tube Anemometer Head	M.O. 1057
Dines Pressure Tube Anemometer Recorder	M.O. 1057
Earth Thermometer 1 ft.	M.O. 5
Earth Thermometer 4 ft.	M.O. 10
Grass Minimum Thermometer	M.O. 18011
Photo-thermograph (Dry Bulb	4 11
Photo-thermograph (Wet Bulb (Old Falmouth Wet Bulb)	No number
Photo-thermograph (" " (Old Kew Wet Bulb)	4
Photo barograph	No number
Angstrom Pyrheliometer	24
Milliammeter (Certified N.P.L. 1919)	68956

Thermometer Corrections, 1936

	No. 666 N.P.L. 1933		No. 788 N.P.L. 1933		M.O.5 N.P.L. 1913		M.O.10 N.P.L. 1913		M.O.18011 N.P.L. 1929	
Certified	°F		°F		°A		°A		°F	
	2	-0·1	2	+0·1	260	+0·1	260	+0·3	2	0·0
	12	- ·1	12	+ ·1	273	·0	273	+ ·1	22	·0
	32	- ·1	32	·0	280	·0	280	+ ·2	32	·0
	52	- ·1	52	- ·1	290	·0	290	+ ·1	52	·0
	72	·0	72	·0	300	·0	300	·0	72	·0
	92	·0	92	·0	310	·0	316	+ ·1	-	-
	112	·0	-	-	-	-	-	-	-	-
	122	·0	-	-	-	-	-	-	-	-
Applied		0·0		0·0		0·0		+0·1		0·0

Notes on Meteorological Tables

The mean temperature for the year 283·3 °A (50·5 °F) was very close to the normal for the period 1901-1930.

The lowest reading of the grass minimum thermometer was 261·3 °A (10·9°F) on Feb. 13th.

The lowest temperature in the North Wall Screen 267·6 °A (22·3 °F) was recorded between 7h and 8h on Jan. 15th.

There were no "ice days", the lowest maximum temperature in the North Wall Screen being 273·4°A (32.7 °F) on Jan. 14th and Feb. 11th.

The maximum temperature in the same screen was 302·7 °A (85·5 °F) on June 20th.

There were only 2 days on which the maximum temperature exceeded 300 °A (80·6° F).

The rainfall for the year, 603 mm. was almost equal to the normal for the period 1881-1915 (606 mm). That for Jan., 99 mm. was 54 mm. above normal, while that for August, 12 mm. was the second lowest total recorded for that month since regular readings commenced in 1856. The lowest was 11 mm. in 1899.

The heaviest fall occurred on Oct. 31st., 21 mm.

The sunshine for the year, 1307 hours, was 162 hours below the normal for the period 1906-1935.

The total for September, 90 hours, was the lowest total recorded in that month since regular tabulations commenced in 1880.

The highest wind velocity recorded in a gust was 32 m/s (72 mi/hr) on Dec. 14th. This was equal to the velocity recorded on March 28th 1916, the highest since analysis of Dines Pressure tube anemograms commenced in 1914. The 1916 gust is, however, the more noteworthy as it was recorded by the old instrument with longer tubes of narrower bore.

Diurnal Variation of Pressure and Temperature.- Harmonic Analysis. The first four harmonic components computed for each month, for the year and for each of the three seasons Winter, Equinox and Summer are set out in Tables A and B. In these tables the c's are the amplitudes of the component sine waves, the angles α are the phases of the waves at midnight so that if it is the time in hours since midnight the inequality is given by the expression

$$c_1 \sin (15t^\circ + \alpha_1) + c_2 \sin (30\ t^\circ + \alpha_2) + \ldots\ldots\ldots\ldots\ldots,$$

The curves are tabulated according to Greenwich Mean Time but the phases have been reduced to local mean time. The difference in longitude between Kew and Greenwich being only 19' the correction is hardly appreciable in the figures, which are rounded to the nearest degree.

The "normals" refer to the years 1871-1926 and are based on Dr. Crichton-Mitchell's calculations*. It should be mentioned that in the tables published by Dr. Mitchell the phases were with reference to local apparent time. In the Observatories' Year Book 1934 the distinction was overlooked.

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*cf. London, Quart. J.R. met. Soc., 56, 1930, p.77

TABLE A

Diurnal Variation of Barometric Pressure. Fourier Coefficients. $\Sigma c \sin(nt + \alpha)$
Kew Observatory, Longitude 0° 19′ W. Local Mean Time

Month and Season	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926
	mb	mb	o	o	mb	mb	o	o	mb	mb	o	o	mb	mb	o	o
January	·24	·02	104	315	·32	·31	129	151	·15	·17	360	346	·09	·07	176	202
February	·18	·05	99	73	·34	·36	133	146	·16	·12	345	340	·05	·03	73	108
March	·17	·11	68	38	·43	·40	145	149	·09	·07	337	332	·04	·04	30	25
April	·28	·28	348	31	·45	·40	148	151	·04	·03	171	185	·03	·04	337	353
May	·41	·32	20	27	·44	·35	152	148	·07	·09	168	161	·02	·02	334	319
June	·29	·30	35	17	·39	·32	138	143	·07	·09	159	160	·02	·01	313	260
July	·08	·26	94	16	·27	·31	137	140	·09	·10	153	153	·03	·01	249	281
August	·39	·21	2	20	·35	·34	144	144	·08	·06	142	155	·04	·04	305	309
September	·25	·12	130	6	·29	·40	148	152	·02	·01	1	350	·07	·04	317	332
October	·23	·06	38	76	·41	·38	157	160	·12	·09	351	359	·05	·01	339	22
November	·24	·03	327	124	·30	·34	158	160	·14	·13	8	358	·06	·03	175	183
December	·20	·08	169	137	·33	·31	163	152	·16	·15	346	353	·10	·07	204	205
Arithmetic Mean	·25	·15	-	-	·36	·35	-	-	·10	·09	-	-	·05	·03	-	-
Year	·14	·14	42	29	·37	·35	146	150	·04	·03	360	359	·01	·01	263	280
Winter	·08	·03	104	111	·31	·33	145	152	·15	·14	352	350	·06	·05	175	208
Equinox	·16	·14	42	32	·44	·39	148	153	·05	·04	345	345	·04	·03	339	359
Summer	·27	·27	21	20	·36	·33	143	144	·08	·08	155	157	·03	·02	297	305

Note:- "Winter" comprises the four months, January, February, November, December, "Equinox" the months March, April, September, October, and "Summer" May to August

TABLE B

Diurnal Variation of Temperature. Fourier Coefficients. $\Sigma c \sin(nt + \alpha)$
Kew Observatory, Longitude 0° 19′ W. Local Mean Time

Month and Season	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926	1936	1871-1926
	°A	°A	o	o	°A	°A	o	o	°A	°A	o	o	°A	°A	o	o
January	·84	·99	230	221	·34	·43	21	35	·15	·17	227	208	·02	·01	301	3
February	1·56	1·53	220	221	·58	·57	32	34	·15	·12	204	211	·04	·06	141	169
March	2·31	2·45	224	222	·63	·63	38	40	·07	·07	20	334	·11	·11	198	197
April	2·53	3·21	224	226	·15	·48	57	51	·15	·22	37	24	·10	·07	293	218
May	3·79	3·72	225	227	·37	·15	43	74	·22	·31	36	35	·06	·04	42	20
June	3·37	3·72	223	226	·18	·02	323	84	·36	·26	26	35	·14	·10	44	33
July	2·68	3·68	227	225	·10	·06	99	50	·23	·29	14	31	·14	·07	44	28
August	3·80	3·54	221	226	·34	·34	29	52	·29	·30	12	28	·08	·03	142	218
September	2·46	3·22	226	228	·50	·71	33	49	·11	·14	39	24	·06	·16	194	213
October	2·46	2·32	225	229	·68	·76	59	50	·12	·10	283	248	·11	·12	195	200
November	1·25	1·39	218	226	·43	·57	52	44	·18	·18	234	232	·01	·02	23	141
December	·93	·90	217	226	·52	·40	35	41	·16	·16	211	215	·04	·04	48	38
Arithmetic Mean	2·33	2·56	-	-	·40	·43	-	-	·18	·19	-	-	·08	·07	-	-
Year	2·35	2·56	223	226	·38	·42	39	45	·07	·08	5	17	·01	·02	128	195
Winter	1·14	1·20	220	223	·46	·49	35	39	·16	·15	219	217	·01	·01	66	121
Equinox	2·50	2·80	223	226	·48	·64	45	47	·08	·09	11	4	·07	·11	216	207
Summer	3·41	3·67	224	226	·20	·14	30	59	·27	·29	22	32	·08	·04	58	27

Note:- "Winter" comprises the four months, January, February, November, December, "Equinox" the months March, April, September, October, and "Summer" May to August

Level of Underground Water.- In Table 527 there is given for each day the height of the surface of underground water. The level measured is that of the surface of water in a pipe passing through the basement floor into the ground. According to measurements made in 1935 the zero of the scale of height is ~~13 cm. above~~ 63 cm below the (Newlyn) datum of the Ordnance Survey.

Cloud Amount.- The mean cloud amounts for the six hours of observation are given month by month in the diary of cloud and weather. The following means are derived from these data:-

Mean Amount of Cloud from Six Observation Hours.

Month	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Cloud	7·9	6·6	8·0	7·5	7·0	7·2	8·3	6·5	7·5	6·9	7·7	6·9	7·3

Mean Amount of Cloud for the Year at the Six Observation Hours.

Hour ..	7h	9h	13h	15h	18h	21h
Cloud..	7·5	7·6	7·8	7·8	7·1	6·3

Visibility.- The objects used for the classification of visibility are enumerated below. The Observatory is on very low ground. The view is bounded on the south-east by Richmond Hill and on the west by the trees near the river. For object H a church tower seen through trees and with high ground behind it has to be used. There is no conspicuous object at the appropriate distance to serve as I, and interpolation is necessary. The object J is in London and is therefore more affected by atmospheric pollution than the other objects.

LIST OF OBJECTS

Identification Letter	Object	View Point	Bearing	Actual Distance	Standard Distance
				m	m
X	(A not visible)	-	-	-	-
A	Verification House	S.W.Corner of Observatory Bldg.	S.W.	25	25
B	17 ft. Stevenson Screen.. ..	S.E.Corner of Observatory Bldg.	S.W.	50	50
C	New Magnetic Hut	S.W.Corner of Observatory Bldg.	S.	110	100
D	S.W. Tree	" " ..	S.W.	200	200
E	Golf Club House	Observatory ..	S.E.	500	500
F	Orange Tree Hotel	" ..	S.E.	970	1,000
G	St. Matthias's Church	" ..	S.E.	1,900	2,000
H	South Ealing Church	" ..	N.	4,000	4,000
i	(Mortlake Chimney well visible..	" ..	E.	3,500)	7,000
	(Chelsea Chimneys not visible ..	" ..	E.	9,300)	
J	Chelsea Chimneys	" ..	E.	9,300	10,000
K	Surrey Hills	" ..	S.	20,000	20,000
l	Surrey Hills well visible ..	" ..	S.	20,000	30,000
m	Surrey Hills, exceptionally visible	" ..	S.	20,000	50,000

ATMOSPHERIC ELECTRICITY

In Atmospheric Electricity the systematic observations reported in the Year Book are devoted to potential gradient, air-earth current and conductivity. These three elements are observed each afternoon when conditions are favourable. In the case of potential gradient the continuous autographic records are also utilised.

Potential Gradient, Air-Earth Current and Conductivity.- Measurements of these elements are made with the Wilson apparatus in the Underground laboratory. The test plate is flush with the roof of the laboratory and nearly at ground level. The plate is supported from below on a stand which carries a Lindemann electrometer and a variable condenser or "compensator". The cover for the plate is mounted on a long handle which can be manipulated from below. The electrometer is calibrated once a month by means of Weston standard cells.

The potential gradient, F, is given in volts per centimetre by the formula,

$$F = 4\pi(9 \times 10^{11})\, Cv/A,$$

where C is the capacity, in farads, of the system (when shielded) v the voltage acquired by the test plate after being exposed to the field, earthed and then shielded, and A is the area of the plate. The value of C is $5{\cdot}91 \times 10^{-11}$ farads and the diameter of the plate is 20·8 cm. Experiments have shewn that the potential gradient found in this way is, to a very close approximation, equal to that found by measuring the potential at a height of one metre in the open part of the grounds.

The air-earth current is given in amperes per square centimetre by the formula,

$$i = C\delta v/At,$$

where δv is the voltage acquired by the plate in t seconds. For obtaining the mean value of the current four observations, each lasting five minutes, are averaged. The observations of the current are sandwiched between the observations of the field strength and from the two mean values i and F the conductivity $\lambda+$ is deduced. No observations are made during rain nor when the potential gradient is negative.

The use of the testplate at ground level introduced a discontinuity in the series of observations. Revised mean values for the period up to 1931 have been published in Mr. Scrase's memoir. In 1936 the mean value of the current for the year, allowing equal weight to each month, is 101×10^{-18} amp. cm.$^{-2}$ The mean value of the conductivity for the year is 37×10^{-18} ohm.$^{-1}$ cm.$^{-1}$ Both of these values are just equal to the means of corresponding values for the period 1912 to 1935.

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* For comparisons between the present and earlier methods vide F.J. Scrase, London, Met. Off., Geophys. Mem., No. 60, 1934

Potential Gradient - Continuous Records.- The Kelvin electrograph, which has been housed since 1915 in a low building known as the Clinical House, provides a record of the electrical potential at a point not far from the wall of the building. The radio-active collector which is used is 121 cm. from the window through which the boom projects and 187 cm. above ground level. A collector freshly coated with polonium is installed every six months.

By means of the observations of the field strength on the test plate of the Wilson apparatus in the underground laboratory a factor is derived by which the potential recorded by the electrograph must be multiplied to obtain the potential gradient in the open.

The mean factor for the year was 2·74. The equivalent height of the collector of the electrograph may be estimated by dividing one metre by this factor, i.e., the collector was on the average at the same potential as a point 36·5 cm. above ground in the paddock.

The data appearing in Table 541 include the electrical character figure assigned to each day from the consideration of the electrograms. Of the character figures, 0 denotes the absence of negative potential, 1 implies the existence of negative potential at one or more times during the day but with a total duration of less than 3 hours, while 2 implies the existence of negative potential with a total duration of 3 hours or more. The present criteria for character figures were adopted as from the beginning of 1914. Correcting for missing days, the average frequency of character figure 0, 1, and 2 during the years 1914-1934 inclusive were 182: 139: 44. The corresponding figures for 1935 are 149: 167: 70.

In accordance with a resolution of the International Union for Goedesy and Geophysics (Section for Terrestrial Magnetism and Atmospheric Electricity: Prague Meeting 1927) tabulations of the duration of negative potential gradient have been included in the Year Book since 1928. The total duration of negative gradient is given for each day for which the electrograph record is satisfactory.

Since the beginning of 1934 there have been numerous occasions when negative potential gradient has occurred in fine weather. This phenomenon, which has not yet been explained, happens with wind from North-East and mostly at night. The days on which it occurred in 1936 and the duration of the "abnormal" negative potential gradient are set out in the following table.

	hr.		hr.		hr.		hr.		hr.		hr.
Jan. 2	0·2	Mar. 2	0·6	Apr.15	0·9	May 20	0·3	Sept.18	0·7	Nov.25	3·7
3	1·4	8	0·1	16	0·2	27	0·8	27	0·4	26	0·7
17	6·2	10	1·1	29	2·5	June 5	4·6	28	1·0	27	4·5
Feb. 2	1·0	15	1·4	30	2·2	12	0·2	Oct. 6	0·6	Total	101·2
24	3·5	16	0·5	May 7	15·9	Aug. 7	2·4	9	1·4		
25	3·9	Apr. 2	1·9	8	17·3	22	0·1	10	1·0		
28	0·1	7	0·3	9	8·5	Sep.16	0·1	Nov. 13	0·1		
29	0·4	14	0·9	10	0·3	17	4·2	19	3·1		

Table 542 contains daily data derived from measurements of the electrograms. They represent means for the 60-minute intervals ending at 3h, 9h, 15h and 21h G.M.T. respectively. On occasions when the trace was defective, either through failure of insulation or some other cause, values of potential gradient have been omitted. The electrograph is intended to record the potential gradient of fine weather and the limits are approximately -1500 and +2000 volts per metre. In showers and thunderstorms gradients of 10000 volts per metre or more may occur. These are, of course, beyond the range of the instrument. Even when the curve does not go beyond the limits of the chart the changes may be so rapid that no satisfactory estimate is possible of the mean value of the ordinate. All such occurrences are indicated by the letter z. If there is no doubt as to the sign of the hourly mean value, though a numerical measure is unobtainable, the sign is indicated by a + or a - attached to the z. The symbol z± indicates that there were oscillations on both sides of the zero line, and that the sign of the mean value was uncertain.

The extreme hourly values in Table 542 are 1375v/m at 3h on Jan.19th and -1210 at 9h on Jan. 7th. The former value is representative of foggy conditions. The extreme negative gradient was associated with slight rain.

At the foot of each section of Table 542 there are two sets of mean values. These are obtained according to different rules. The (a) mean is the arithmetic mean of all the positive potential gradients in the column. The (b) mean is the algebraic mean of all the entries which remain in the column after those have been eliminated which refer to days in which at least one of the four hourly values is indeterminate. The last line gives the mean value for each month as derived from the (a) and (b) means for the four hours.

The diurnal inequalities and the mean monthly and annual values in Table 543 are based on the curves for certain "quiet days". Normally 10 quiet days are selected in each month, these being calendar days characterised by no negative potential gradient, no large irregular movements, no indication of inferior insulation and no large non-cyclic change. When there are not 10 calendar days with these characteristics in a month the number can sometimes be made up by using other spells of 24 hours. The treatment of the months in which there were not 10 quiet days is shewn in the following list.

1936	Calendar Days	Other Spells	Total
Jan.	5	2	7
Nov.	6	2	8

Except in the months where other spells were used the non-cyclic change is given explicitly in Table 543, so that anyone who may desire to reproduce the figures as they were before the non-cyclic change was applied can easily do so.

The inequalities generally shew a well marked double oscillation with minima in the early morning and early afternoon, maxima in the late morning as well as in the evening. The diurnal inequalities for the whole year shew the higher maximum at 20h., the lower minimum at 3h. This is not the case in every year. The following list gives the annual mean potential gradient for selected quiet days together with the hours of the extremes and the range of

the inequality for each year from 1910. The correction* of +12 per cent has been applied to the means and ranges of all years from 1910 to 1931.

KEW OBSERVATORY POTENTIAL GRADIENT (REFERRED TO PADDOCK) 1910-1935

Year	Mean	Range	Max.	Min.	Year	Mean	Range	Max.	Min.	Year	Mean	Range	Max.	Min.
	v/m	v/m	hr.	hr.		v/m	v/m	hr.	hr.		v/m	v/m	hr.	hr.
1910	347	155	20	4	1919	371	319	8	4	1928	334	139	9	3
1911	337	172	9	4	1920	353	137	9	3	1929	379	153	9	4
1912	336	167	9	4	1921	315	148	20	3,4	1930	373	183	9	3
1913	375	179	19	3,4	1922	356	161	20	4	1931	379	171	20	4
1914	386	189	20	3	1923	356	179	9	4	1932	391	173	21	4
1915	397	194	19	5	1924	368	149	20	4	1933	363	183	9	3
1916	411	169	20	4	1925	365	144	19	3	1934	374	189	9	5
1917	397	172	20	4	1926	313	132	20	4	1935	361	192	9	4
1918	388	156	20	2	1927	353	144	19	3	1936	366	157	20	3

* London, Met. Off., Geophys, Mem., No. 60, 1934, pp. 8-11

ATMOSPHERIC POLLUTION

The Owens atmospheric pollution recorder or air filter No.1* is situated in the Clinical House, and the level of the intake is about 1½m. above that of the adjacent ground. The weight of the pollution is not obtained directly but is deduced from shade numbers 0,1,2, etc., assigned to the deposit left on the filter paper through which the air is drawn. The equivalents of the shade numbers are allotted in accordance with the results of an investigation carried out for the Atmospheric Pollution Committee by Mr. J. G. Clark.† When the normal volume of air, 2 litres, is aspirated (it is drawn through a hole 3·2 mm. in diameter) shade number 1 answers to 0·32 milligrams per cubic metre. The Owens apparatus was designed in the first place for dealing with the air of cities, and the amount of pollution at the Observatory is usually so small that the shade recorded when the 2 litres are aspirated is either 0 or 1.

Preliminary experiments with a spare recorder having justified the assumption that increasing the volume of air would increase the shade number in proportion, an auxiliary tank was brought into use at the beginning of July, 1928. With this tank in operation each spot on the filter paper corresponds with 6·4 litres of air. The unit shade is therefore equivalent to 0·1mg/m³. When fog prevails the auxiliary tank is put out of action and the unit shade reverts to the value 0·32 mg/m³.

Special attention is paid to the maintenance of consistency in the standard of shades. Each new scale of shades is compared directly with the standard preserved by Dr. Owens. New scales of shades were taken into use on the following dates:-

June 7, 1925; July 1, 1926; January 1, 1928; (retrospectively) August 1, 1930; January 1, 1931; June 1, 1931; and March 1, 1933.

During 1936 the highest estimate of pollution was 3·5 mg/m³, this value occurring on January 12th from 20h to 21h. There were 33 days on which the pollution reached 1·0 mg/m³; the number of hours credited with 1·0 mg/m³. or more being 190. The months in which these days and hours occurred are given in the accompanying table.

	days	hours
Jan.	9	82
Feb.	11	62
Mar.	4	16
Apr.	2	4
Oct.	1	1
Nov.	5	20
Dec.	1	5
Year	33	190

Table 544 gives for each month mean hourly values derived from all the days for which complete records were obtained. There were 365 such days in the year. The highest and lowest of these hourly values are underlined.

Table 545 gives diurnal inequalities derived from the data in Table 544 after the application of non-cyclic corrections. The principal reason for computing the diurnal inequalities was to facilitate comparison with the corresponding diurnal variations in barometric pressure and in the potential gradient of atmospheric electricity.

The mean values computed for recent years are given in the following table, together with the means for successive pairs of months. The unit is 1 mg/m³

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*A description of the instrument is given in the "Report of the Advisory Committee for Atmospheric Pollution", 4th Report, 1917-1918, p.20

†"Report of the Advisory Committee for Atmospheric Pollution", 3rd Report, 1916-1917, p.20

Kew Observatory. Atmospheric Pollution. Mean values mg/m³

	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
Jan.-Feb.	·29	·25	·22	·40	·18	·24	·32	·25	·44	·19	·39
Mar.-Apr.	·30	·10	·18	·27	·13	·15	·26	·17	·19	·15	·19
May-June	·08	·07	·09	·05	·05	·06	·09	·10	·10	·05	·09
July-Aug.	·07	·05	·05	·06	·07	·07	·05	·08	·08	·05	·04
Sept.-Oct.	·19	·17	·15	·10	·13	·25	·15	·21	·10	·07	·13
Nov.-Dec.	·26	·21	·25	·21	·29	·33	·29	·43	·30	·27	·21
Year	·20	·14	·15	·18	·14	·18	·19	·21	·20	·13	·17

The nature of the diurnal variation is most easily recognised in Table 545. There is always a well defined minimum during the night and another in the early afternoon. The first maximum of the day usually occurs about 9h and the second one follows about 12 hours later. This double oscillation is apparently due to two causes, the variation in human activity in producing pollution and the variation in the wind which disperses it. In 1936 the principal maximum was in the evening from January to April and from October to December; in the forenoon in the remaining months. The principal minimum occurred in the afternoon from May to September; in the early morning in the remaining months. Curves illustrating the diurnal variation of atmospheric pollution will be found in the Annual Reports of the Advisory Committee on Atmospheric Pollution and in a paper‡ by Dr. Whipple on the relation between Atmospheric Pollution and Potential Gradient.

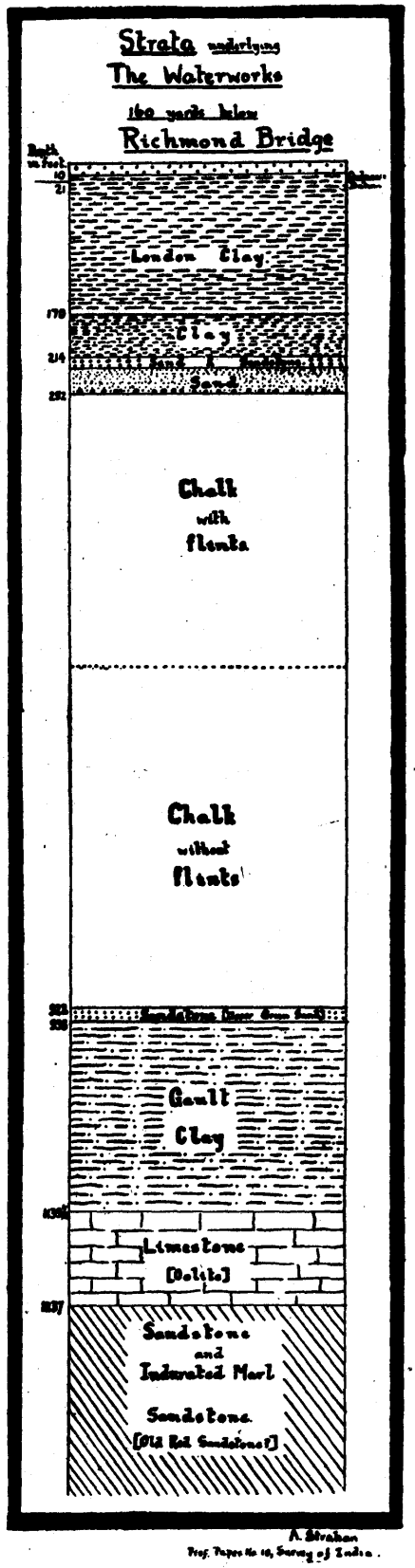
SEISMOLOGY

Notes on Instruments.- The standard seismographs, three Galitzin pendulums with galvanometric registration, were transferred from Eskdalemuir Observatory during the latter part of 1925 and have been in regular operation since the beginning of 1926. Earth movements in the north, east and vertical directions are recorded. The pendulums, which are in the old magnetograph room, are mounted on a massive concrete pillar, separated from the floor. The galvanometers and recording apparatus are accommodated on slate slabs in the old seismograph room, which housed the Milne instrument until it was put out of action on June 17, 1925. To eliminate temperature variation as far as possible, the windows of the pendulum room are provided with triple glass and also shielded by louvred screens from direct sunshine which might fall on them morning and evening. The annual range of temperature variation is about 10°C and the mean daily range about 0·2°C. To diminish the sensitivity of the vertical pendulum to temperature changes the steel controlling spring was replaced in May, 1928, by one made of elinvar, an alloy which has a temperature coefficient of elasticity about one-tenth that of steel.* A detailed report on the behaviour of the spring has been published in a paper† by F.J. Scrase. The difficulties usually associated with the operation of the vertical pendulum have been greatly diminished.

‡"London, Quart. J.R. met. Soc.," 55, 1929, pp. 351-361

*Y. Dammann. "Contribution à l'étude des propriétés elastiques de l'élinvar. Son utilisation dans les séismographs, Publ. Bur. Cent. Seis. Int., Strasbourg," Ser. A, Fasc. No. 5, 1927, pp. 122-129

†"London, Inst. Physics, J. Sci. Instr.," 6, 1929, p.385



The concrete pillar rests on gravel. The underlying geological strata are shown in the diagram on this page. The diagram is based on the results obtained* in sinking a well near Richmond Bridge. The Richmond boring terminated at a depth of 440 metres in Old Red Sandstone. At Stonebridge Park, 8 km. to the north, a boring was carried down† to a depth of 600 metres, the last 280 metres being in Old Red Sandstone. There is no information as to deeper strata near Richmond. It may be noted, however, that the sandstone beds dip at about 30° and that a boring at Little Missenden, Bucks, entered Silurian rocks at a depth of 370 metres with no evidence of the presence of old Red Sandstone.

For detailed description of the Galitzin seismograph and for particulars of interpretation of the records, reference may be made to Fürst B Galitzin's "Vorlesungen über Seismometrie (Leipzig, 1914), or to G.W. Walker's "Modern Seismology" (London, 1913).††

Timing is controlled by a Synchronome clock (Hope-Jones No.1901) which is rated daily from the Greenwich wireless time-signal relayed by Droitwich. Time breaks are made electro-magnetically every minute and seismometric readings can be determined to the nearest second.

The free periods of the galvanometers (T_2), were determined in November, 1925, and were found to have suffered very little change since the original determinations at Eskdalemuir were made. The lengths of the simple equivalent pendulums(ℓ) are assumed to have remained unaltered.

The Galitzin seismographs were not standardised during 1936, and it has been assumed that the constants had not changed from the values determined in September, 1934.

In the following table are summarised the values of the constants. T is the free period of the pendulum, μ is a damping coefficient which vanishes when the free movement of the pendulum is just aperiodic, A is the length of the beam of light from the galvanometer mirror to the recording drum (usually about 1100 mm), and k is the

*"London, Quart. J. geol. Soc."., 40, 1884, p.274; 41, 1885, p.523
†Records of London Wells, "Mem. Geol. Surv. Eng., London", 1913
††The graphical method adopted at Kew for determining the constants of the pendulums is explained in a memoir by F.J. Scrase, "London, Met. Off.Geophys. Mem., " 5, No.49, 1930

"transmission" factor. The factor $\frac{kAT}{4\pi\ell}$ determines the magnification for regular earth movements with a period equal to that of the pendulum.

Component	ℓ	T_1	Date of Standardisation	T	μ^2	$\frac{kA}{\pi\ell}$	$\frac{kAT}{4\pi\ell}$
	mm.	sec.		sec.		$sec.^{-1}$	
N	118	24·68	Sept. 5, 1934	24·5	+0·01	46·7	286
E	118	24·80	Sept. 6, 1934	24·8	-0·01	42·6	264
Z	360	13·04	Sept.11, 1934	13·1	+0·01	109	357

In windy weather the seismographs, especially the horizontal components, are affected by slow oscillations, which are attributed to the tilting of the ground, the movement being conveyed through the foundations of the Observatory. On occasions the reading of an earthquake record is rendered very difficult, if not impossible, by these irregular disturbances.

A pair of Wood-Anderson seismographs was also in operation during part of 1936. A complete description of this instrument appears in the Bulletin of the Seismological Society of America, XV/I Mar. 1925. The moving system is very small, that of the Kew type consisting of a small copper bar of dimensions 25·4 mm x 4·8 mm x 1·6 mm and weighing 1·5 gm; this mass is attached to the side of a tungsten wire (·025 mm in diameter) stretched at a slight inclination to the vertical. The controlling force is partly due to the torsion of the wire and partly to gravity. The damping is magnetic. Direct optical recording is employed, a small concave mirror of 1½ metres focal length being fitted to the copper bar. The instruments are housed in the old magnetograph room beside the Galitzin pendulums, and are oriented to record the N-S and E-W components. The approximate constants during 1936 were:- Magnification, 1500; Free period 2 seconds; Damping ratio 20-1.

The Seismological Diary.- Table 546 contains the particulars of the earthquakes recorded at the Observatory. The notation employed is as follows*:-

In the second column of the diary the entries N, E, Z, refer to the records from the north-south, east-west and vertical seismographs respectively.

P is the normal first phase (longitudinal waves). PKP is a longitudinal wave which has passed through the earth's central core, and PcP one which has been reflected from the core.

PP, PPP... are longitudinal waves reflected once, twice ... near the earth's surface.

S is the normal second phase (transverse waves). The waves which penetrate the central core and pass through it as longitudinal vibrations are designated by the symbol SKS.

PS and PPS are waves which suffer a change or changes from longitudinal to transverse oscillation or vice versa, on reflection near the surface.

SS, SSS...are transverse waves reflected once, twice... near the surface.

For the supplementary reflected waves from deep focus earthquakes the notation used is that introduced by F.J. Scrase, London. Proc. roy. Soc., A. 132, (1931).

L indicates long waves (surface waves).

i is the sudden commencement of a phase. e means a gradual or indistinct commencement. These letters are used as prefixes to the phase symbols, but where the character of the phase is not assignable the letters are used as independent symbols. When the commencement of a phase is moderately clear the prefixes are not used.

*The notation was emended from the beginning of 1933, the most important change being the adoption of a special letter, K, for the compressional waves through the core. This symbol, taken from the Georgetown bulletins, is now used in the International Seismological Summary. Previously a pulse which started and finished as a transverse wave but passed through the core as a compressional wave was denoted by ScPcS. In the new notation such a pulse is denoted by SKS

All times entered against the above phases are the times of arrival of the phases at the station. The phases denoted by M are successive prominent maxima occurring during the principal or surface phase.

The period is the duration of a double oscillation (to and fro movement).

The entries under A are the amplitudes, in microns (1 =0·001 mm.), of the components of the true displacement of the ground from the position of rest. Displacement to the north, east and upwards are regarded as being positive. When successive positive and negative displacements have the same magnitude the time of occurrence is given for the positive one.

The following formulæ, due to Galitzin, are employed for computing the times of the maxima and the amplitudes of sinusoidal waves:-

(1) Lag of the displacement shown by the galvanometer after the maximum displacement of the ground

$$= \frac{Tp}{2\pi}\left[\left(\frac{\pi}{2} + \text{Arctan}\,\frac{2u_1}{u_1^2-1}\right) + \text{Arctan}\,\frac{2u(1-\mu^2)^{\frac{1}{2}}}{u^2-1}\right]$$

each inverse tangent being taken as between 0 and π

(2) Magnification of records

$$= \frac{kA\,Tp}{\pi\ell}\;\frac{1}{(1+u^2)(1+u_1^2)\,\{1-\mu^2 f(u)\}^{\frac{1}{2}}}$$

in these formulæ Tp is the period of the earth wave considered, T, T_1 and μ are as defined on p.369.

$$u = \frac{Tp}{T}, \quad u_1 = \frac{Tp}{T_1} \quad \text{and} \quad f(u) = \left[\frac{2u}{1+u^2}\right]^2$$

Δ is the distance in kilometres of the epicentre measured along the arc of a great circle. For earthquakes of normal focal depth located within 10,000 km. of Kew, the distance is generally derived from the interval between P and S by the table, due to Zeissig, given in Klotz's "Seismological Tables" (Publication of the Dominion Observatory, Ottawa, Vol. III, No.2). For greater distances other phases are considered and Δ is obtained from the travel curves given by Gutenberg.* In the case of deep focus shocks both Δ and the depth of focus are determined from the Brunner diagram†. The azimuth of the epicentre (0° to 360°) is measured from north through east. When an estimation of the azimuth is possible, it is used, together with Δ, for provisional determination of the co-ordinates of the epicentre. The co-ordinates given in the Diary have generally been received at a later date; the authorities for these determinations are inserted in brackets. Here the letters J.S.A. signify the Jesuit Seismological Association of America, U.S.C.G.S., the United States Coast and Geodetic Survey, and U.R.S.S. the bulletins issued by the United Soviet States.

Brackets enclosing figures or phase symbols indicate that the interpretation is uncertain.

The total number of shocks recorded during the year was 256. The phases being sufficiently well defined, estimates of the epicentral distances were obtained for 72 shocks, whilst in 6 cases the records of the initial impulses were sufficiently sharp to allow of computations of azimuth and so of estimates of the co-ordinates of the epicentres. There were 8 earthquakes which produced a disturbance at the observatory with an amplitude exceeding 0·1mm. in a horizontal component. These earthquakes originated, in the East Indies (April 1st), in the Solomon Islands (April 19th), in the Himalayas (May 27th), in the Pacific south of Kamtchatka (June 30th), in the Pacific off Northern Chile (July 13th), in Formosa (August 22nd), in Japan (November 2nd) and in the Bering Sea (November 30th).

For comparison the statistics for all the years in which the Galitzin seismographs have been in operation at Kew Observatory are given:-

Year	Shocks recorded	Epicentral distances	Azimuths estimated	Shocks exceeding 0·1 mm.
1926	306	55	-	10
1927	314	76	6	9
1928	339	97	19	18
1929	320	74	6	12
1930	301	56	6	8
1931	274	53	11	16
1932	246	57	8	8
1933	263	71	8	8
1934	269	59	10	9
1935	232	72	10	13
1936	256	72	6	8

*Handbuch der Geophysik, Berlin, 1929, p.212

†The Brunner Focal Depth-Time-Distance Chart, G.T. Brunner and J.B. Macelwane, New York, 1935

Microseisms.- The routine tabulations of microseisms recorded at Kew from 1926 to 1934, and at Eskdalemuir from 1911 to 1925, were taken from the north-south component for each day at 0h, 6h, 12h and 18h. The results obtained from a comparison of the microseisms recorded by the three components during a complete year (1932) having shown* that the vertical is more reliable than either of the horizontal components for such tabulations, the vertical component was adopted from the beginning of 1935.

The advantages of the vertical component are:-

(a) The amplitude recorded does not depend upon the direction of travel of the waves.
(b) The effects of the local geological structure are smaller.
(c) For oscillations with the period of microseisms the vertical Galitzin seismograph has, with the tuning adopted at Kew, the higher magnification.
(d) Freedom from wind disturbance.

The hours of tabulation are the same as for the north-south component in earlier years. The group of waves of greatest amplitude occurring in the 30 minutes centring at the hour in question is selected, and the amplitude tabulated is the mean obtained from the three largest complete waves in that group. The period is obtained from a measurement made on the same group. The total time, to the nearest second, for a number of complete consecutive waves is measured, the number of waves being chosen so that the time is between 23 and 30 seconds. The period is then derived from the following division table:-

Number of Waves	Time interval in seconds							
	30	29	28	27	26	25	24	23
3	10·0	9·7	9·3	9·0	8·7	8·3	8·0	7·7
4	7·5	7·3	7·0	6·7	6·5	6·3	6·0	5·7
5	6·0	5·8	5·6	3·4	5·2	5·0	4·8	4·6
6	5·0	4·8	4·7	4·5	4·3	4·2	4·0	3·8
7	4·3	4·1	4·0	3·9	3·7	3·6	3·4	3·3
8	3·7	3·6	3·5	3·4	3·3	3·1	3·0	2·9
9	3·3	3·2	3·1	3·0	2·9	2·8	2·7	2·6
10	3·0	2·9	2·8	2·7	2·6	2·5	2·4	2·3
11	2·7	2·6	2·5	2·5	2·4	2·3	2·2	2·1
12	2·5	2·4	2·3	2·3	2·2	2·1	2·0	1·9

On the occasions of failure of the Z record, gaps in the tabulations (Table ... ,) have been filled in by interpolation or from measurements of the microseisms recorded by the horizontal seismographs. By use of the data of 1932 (Geophysical Memoir No. 66) it was found that there was a linear relation between the ratio of horizontal to vertical amplitude and the period of the oscillations, the ratio varying from 1·2 for microseisms of period 4½ sec. to 0·85 for those of period 9 sec. Allowance is accordingly made for the difference between the amplitudes recorded by the horizontal and vertical components. Values obtained by interpolation or from the horizontal seismograms are bracketed in the tables.

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* A.W.Lee, London, Met. Off., Geophys. Mem., 7, No.66, 1935

The mean values of amplitude and period, together with the maximum amplitudes, for each month of 1936 are given below:-

Kew Observatory. Microseisms of Vertical Component. 1936

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Mean Period (sec)	5·9	6·0	5·2	5·6	5·2	4·8	4·6	4·7	5·1	6·1	6·7	6·7	5·6
Mean Amplitude (μ)	2·1	2·4	0·7	0·9	0·5	0·3	0·4	0·3	0·6	1·5	1·7	2·7	1·2
Maximum Amplitude (μ)	7·7	8·5	4·3	2·6	1·5	0·9	1·7	1·2	2·7	5·1	5·5	8·8	8·8
Maximum Amplitude; (day and hour)	10:12	11:0	5:12	25:12	15:12	15:18	24:0	18:12	8:0	26:0	30:18	20:18	Dec. 20:18

The greatest amplitude of the year was 8·8μ on 20th December at 18h. Amplitudes of 5μ or more were recorded of the following dates:- January, 10th and 11th; February, 9th, 10th and 11th; October, 26th; November, 30th; December, 4th, 16th, 17th, 18th, 20th and 21st.

For comparison, the following table gives for Kew the monthly and annual means of amplitude and period of the north-south component microseisms from 1926 to 1934, and of the vertical component microseisms from 1935 to 1936.

Kew Observatory. Microseisms, 1926-36

Component	Years			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
N-S	1926-34	Mean Period	(sec).	6·5	6·1	5·9	5·4	4·9	4·7	4·4	4·6	5·0	5·4	6·0	6·4	5·5
		Mean Amplitude (μ)		2·3	1·6	1·4	0·9	0·5	0·4	0·3	0·5	0·6	1·1	1·6	2·0	1·1
Z	1935-36	Mean Period	(sec).	6·2	6·2	5·8	5·4	5·1	4·8	4·8	4·8	5·1	6·1	6·6	6·4	5·6
		Mean Amplitude (μ)		1·9	2·5	1·0	0·8	0·4	0·3	0·3	0·2	0·6	1·5	1·8	2·3	1·1

The means of amplitude and period for the several hours are given in the following table. The values entered are those for the vertical component during 1936, together with averages for the vertical component from 1935 to 1936 and for the north-south component from 1926 to 1934

Component	Years		0h.	6h.	12h.	18h.
Z	1936	Amplitude (μ)	1·15	1·18	1·20	1·18
		Period (sec)	5·56	5·57	5·56	5·56
Z	1935-36	Amplitude (μ)	1·12	1·11	1·13	1·13
		Period (sec)	5·60	5·61	5·60	5·62
N-S	1926-34	Amplitude (μ)	1·10	1·09	1·06	1·08
		Period (sec)	5·46	5·45	5·42	5·45

It may be noticed that there is no regular diurnal variation in the amplitude or period of the microseisms when recorded by frictionless seismographs.

The results obtained from the special investigation for 1932 showed that, within the accuracy of the measurements, the annual means of amplitude and period were equal for the three components. Accordingly the value of the data for determining secular variations was not impaired by the change from the north-south to the vertical component. The annual means of amplitude and period from 1926 to 1936 are:-

	N-S Component									Z Component	
Year	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
Mean amplitude (μ)	1·1	1·3	1·3	1·3	1·1	0·9	0·9	0·8	0·9	1·1	1·2
Mean period (sec)	5·5	5·4	5·5	5·3	5·4	5·3	5·6	5·5	5·6	5·7	5·6

441 KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	990·6	989·4	988·9	988·1	987·1	986·7	986·7	987·0	987·2	987·8	988·1	987·5	987·1	986·7	986·4	986·1	985·8	985·7	985·5	985·6	986·1	987·1	987·9	987·8	987·3
2	987·6	987·5	987·3	986·7	986·4	986·0	985·4	985·3	985·4	985·7	985·9	986·1	986·5	986·9	987·6	988·5	989·1	989·4	989·5	989·8	990·4	990·8	991·3	991·6	987·7
3	991·6	991·8	992·0	991·8	991·5	991·5	990·9	990·9	991·0	991·2	991·0	991·0	991·1	991·4	992·3	993·2	994·7	996·0	997·2	998·4	999·6	000·7	001·9	003·1	993·8
4	004·2	005·5	006·4	007·1	007·7	008·2	009·0	010·0	011·1	011·9	012·3	012·5	012·5	012·7	013·3	013·7	014·3	014·7	015·1	015·7	016·3	016·2	016·2	016·0	011·5
5	015·6	014·8	014·5	013·7	012·5	012·2	010·7	010·2	009·7	008·8	007·9	006·3	004·0	002·6	001·4	998·0	997·6	996·8	995·8	995·0	994·5	994·3	994·2	993·6	004·8
6	993·6	993·1	992·5	991·7	990·4	989·0	988·3	988·4	988·4	989·0	989·8	989·7	989·5	989·5	989·7	989·4	990·6	991·3	991·9	992·0	992·2	992·6	992·9	993·5	990·8
7	993·5	993·4	993·4	992·8	992·0	991·6	990·9	990·5	990·3	989·9	989·6	988·9	988·7	988·9	990·0	990·4	990·5	990·5	990·9	991·4	991·9	992·7	993·6	994·2	991·3
8	995·0	996·0	996·6	997·4	997·8	998·6	999·3	999·7	000·2	000·5	000·3	999·8	998·8	998·1	997·2	997·1	996·6	996·5	996·4	996·9	997·0	997·3	997·3	997·4	997·8
9	997·7	998·3	999·4	000·1	000·5	000·9	001·1	001·6	001·4	001·3	000·7	000·4	999·4	997·4	995·4	993·0	991·0	990·0	989·7	991·0	992·5	993·2	993·9	993·5	996·9
10	993·7	993·6	993·3	994·2	994·6	995·4	996·1	996·5	996·9	997·3	997·8	997·7	997·6	998·0	998·8	999·8	000·5	001·2	001·7	002·5	003·1	003·7	004·8	005·5	998·3
11	005·6	007·0	008·6	009·8	011·4	012·6	013·9	015·8	017·6	018·5	020·1	020·2	020·6	021·1	021·5	021·9	022·0	022·4	022·5	022·9	022·7	022·5	022·5	022·7	017·4
12	022·8	022·5	022·5	022·6	022·4	022·5	022·5	022·7	023·1	023·5	023·5	023·5	023·5	022·9	023·1	023·2	023·5	023·7	023·8	023·6	023·4	023·6	023·6	023·6	023·1
13	023·4	023·1	022·8	022·5	022·5	022·3	022·4	022·5	022·6	022·7	022·7	022·5	022·2	021·6	021·7	021·7	022·2	022·5	022·5	022·7	023·0	023·4	023·6	023·8	022·6
14	023·7	023·6	023·6	024·1	024·3	024·5	024·7	025·5	025·8	026·3	026·5	026·5	026·1	025·9	025·7	025·8	025·9	025·9	026·1	026·3	026·4	026·5	026·5	025·8	025·5
15	025·4	024·6	024·4	023·8	023·7	023·3	022·8	022·7	022·7	022·3	021·6	020·9	019·6	019·1	018·3	017·6	017·4	016·9	016·4	015·4	014·8	013·6	012·9	011·5	019·9
16	010·6	009·7	008·4	007·4	006·4	005·5	005·1	004·6	004·1	003·2	002·6	002·2	001·1	999·7	999·5	998·8	998·4	997·7	997·2	996·9	996·2	995·4	994·7	994·1	002·0
17	993·3	992·6	992·1	991·6	991·5	991·5	991·7	992·2	992·6	993·5	994·0	994·7	995·6	996·4	997·2	998·1	999·1	999·4	999·7	999·7	999·6	999·4	998·7	998·7	995·4
18	997·0	996·2	996·0	995·3	994·4	993·5	993·6	994·6	994·7	994·7	995·2	995·2	994·8	994·9	995·2	995·6	995·9	996·3	996·6	996·8	997·2	997·4	997·4	997·4	995·7
19	997·4	997·3	997·3	997·2	996·8	996·2	995·7	996·1	995·9	995·6	995·1	994·5	993·2	992·5	991·9	991·2	990·7	990·2	989·3	988·5	987·7	987·0	986·4	985·4	993·1
20	983·8	982·2	980·5	978·7	978·3	978·8	979·3	980·2	980·9	981·2	981·1	980·4	979·7	979·4	979·5	979·4	979·5	979·4	979·0	979·5	981·1	982·6	983·7	984·5	980·5
21	985·5	985·8	985·9	985·7	985·5	985·4	985·3	985·3	985·8	986·4	987·0	987·6	988·0	988·8	990·0	991·1	991·8	992·5	993·5	994·2	995·1	995·7	996·5	997·1	989·1
22	997·3	997·7	998·2	998·1	998·0	997·9	998·3	998·8	999·2	999·3	999·7	999·5	998·7	998·2	997·7	997·4	997·5	997·6	998·1	998·7	999·2	999·5	000·1	000·5	998·5
23	000·8	001·5	001·6	002·2	003·3	004·1	004·7	005·6	006·4	007·2	007·7	008·2	008·1	008·1	008·5	008·8	008·9	008·9	009·0	008·9	008·8	008·7	008·8	008·4	006·4
24	007·7	007·4	006·6	006·0	005·3	004·5	004·5	004·5	004·0	003·5	003·0	001·8	000·8	000·0	999·4	998·8	998·2	997·5	996·9	996·5	996·0	995·7	995·2	994·8	001·5
25	994·5	994·2	994·0	993·7	993·5	993·1	992·9	993·5	993·5	993·3	993·3	992·4	991·4	991·1	990·9	990·6	990·5	990·2	990·4	990·4	990·3	990·2	990·1	990·0	992·1
26	989·3	989·5	990·1	990·2	990·6	991·2	992·4	992·6	993·4	994·4	994·8	995·1	995·1	995·4	996·1	997·0	997·4	997·5	998·3	998·4	998·4	998·4	998·5	998·3	994·7
27	997·6	997·3	996·6	996·0	995·2	994·4	993·8	993·7	993·4	993·5	994·1	994·0	993·5	994·1	995·1	996·0	996·4	996·3	996·5	996·5	996·5	997·1	997·4	997·4	995·5
28	996·5	996·6	996·7	996·3	995·7	995·0	995·1	995·0	994·9	994·0	994·2	995·1	995·4	995·7	998·1	995·6	995·1	994·4	993·5	992·1	989·6	987·4	986·7	985·8	993·9
29	984·6	984·2	983·8	983·1	982·4	981·9	981·3	981·2	981·2	981·5	981·7	982·0	982·2	982·9	984·3	986·6	988·5	990·5	991·4	992·7	993·4	994·5	995·4	996·1	985·9
30	996·3	996·8	997·0	997·2	997·5	997·9	998·9	999·5	999·7	000·1	000·2	000·1	999·7	998·9	998·9	998·7	998·0	997·5	997·1	996·3	995·3	994·6	994·3	994·3	997·7
31	994·0	993·2	993·3	993·0	992·5	991·7	991·2	991·7	991·5	991·5	991·3	990·6	989·8	989·2	989·4	989·9	990·7	992·6	994·3	994·9	995·2	995·7	995·2	995·4	992·4
Mean (Station Level)	999 ·68	999 ·56	999 ·49	999 ·29	999 ·09	998 ·96	998 ·98	999 ·30	999 ·50	999 ·66	999 ·77	999 ·58	999 ·17	998 ·97	999 ·10	999 ·13	999 ·30	999 ·42	999 ·54	999 ·68	999 ·79	999 ·92	1000 ·07	1000 ·05	999 ·46
Mean (Sea Level)	1000 ·97	1000 ·84	1000 ·77	1000 ·57	1000 ·37	1000 ·25	1000 ·26	1000 ·58	1000 ·78	1000 ·94	1001 ·05	1000 ·85	1000 ·44	1000 ·24	1000 ·37	1000 ·40	1000 ·58	1000 ·69	1000 ·82	1000 ·96	1001 ·07	1001 ·20	1001 ·35	1001 ·33	1000 ·73

442 KEW OBSERVATORY: H_b = 10·4 metres FEBRUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	995·2	995·2	994·5	993·2	992·7	991·0	989·3	988·4	988·0	987·5	987·8	987·4	986·5	985·9	985·7	985·3	985·1	984·3	983·6	983·0	982·6	982·3	982·4	982·4	987·7
2	982·2	982·1	982·1	982·1	982·4	983·0	983·5	984·0	984·9	985·5	986·2	986·4	986·5	987·2	988·0	988·4	989·4	990·4	991·4	992·8	993·6	994·6	995·3	996·0	987·1
3	996·5	997·1	998·0	998·4	999·0	999·6	000·3	000·5	001·2	001·5	002·0	002·2	002·3	002·6	003·2	004·3	005·5	006·4	007·4	008·0	008·2	009·3	010·1	010·7	002·8
4	011·2	011·6	012·4	012·9	012·9	013·2	014·0	014·4	015·3	016·0	016·3	016·4	016·5	016·7	017·0	017·3	017·6	018·3	018·9	019·3	019·5	019·5	020·3	020·7	016·0
5	021·2	020·7	020·7	021·1	021·1	021·2	021·4	022·0	022·8	023·3	023·6	023·9	023·9	023·7	023·7	023·6	023·7	024·4	025·2	025·4	025·8	026·0	026·3	026·8	023·3
6	027·1	027·5	027·0	027·4	027·6	027·7	027·9	029·0	029·6	030·1	030·4	030·6	030·3	030·3	030·1	030·3	030·4	031·1	031·6	032·0	032·3	032·4	032·6	032·9	029·8
7	032·8	032·8	032·7	032·6	032·5	032·5	032·5	032·7	033·0	033·1	033·2	032·9	032·3	031·6	031·2	030·8	030·8	030·4	030·1	029·5	029·5	029·1	029·0	028·5	031·6
8	028·3	028·1	027·5	027·0	026·4	026·1	025·9	025·5	025·3	024·9	024·4	023·3	022·2	021·2	020·1	019·4	018·8	018·3	018·0	017·9	017·8	017·7	017·4	017·1	022·7
9	016·5	016·0	015·3	014·9	014·3	013·6	013·3	013·2	012·9	012·6	012·2	011·3	011·1	010·3	010·0	009·7	009·8	010·2	010·0	009·9	009·8	010·1	010·2	010·6	012·1
10	010·7	011·2	011·5	011·6	012·3	013·0	013·4	014·0	015·1	015·5	016·0	016·0	017·0	016·2	016·8	016·8	016·6	016·6	016·2	016·9	016·8	016·3	016·2	016·3	014·8
11	015·9	014·6	014·1	013·4	012·6	013·4	013·1	013·0	011·8	011·1	011·1	010·4	009·5	009·6	009·3	009·5	010·0	010·1	010·5	011·1	011·3	012·0	012·4	012·9	011·9
12	013·5	014·2	014·6	015·2	015·6	016·4	017·2	018·0	018·8	018·9	019·4	019·5	019·5	019·3	019·2	019·3	019·5	020·3	020·4	020·5	020·6	021·1	021·0	020·9	018·3
13	020·5	020·2	020·0	019·9	019·8	019·8	019·7	019·6	019·8	019·8	019·7	019·2	018·4	018·3	018·1	017·7	017·6	017·5	017·3	016·7	016·6	016·3	015·9	015·5	018·6
14	015·1	014·6	013·6	013·2	012·6	011·7	010·9	010·5	010·0	009·8	009·3	008·6	007·7	006·4	005·6	004·7	004·4	003·7	003·6	003·5	002·7	002·4	001·8	001·1	008·1
15	000·6	999·9	999·0	998·4	998·2	997·7	997·5	997·6	997·6	997·6	997·9	998·0	997·6	997·2	997·1	997·2	997·4	997·7	998·2	998·3	998·4	998·5	998·5	998·4	998·2
16	998·7	999·2	999·0	998·9	998·6	998·9	999·1	999·4	999·5	999·5	999·3	999·2	998·5	997·7	997·6	997·5	997·4	997·1	997·2	996·7	996·1	995·8	995·4	995·5	998·1
17	995·3	994·8	994·6	994·4	994·6	994·6	994·6	995·2	995·4	995·8	996·1	996·0	995·9	995·6	995·6	995·7	996·0	995·8	995·4	994·7	993·8	992·9	992·0	991·0	994·9
18	989·4	988·5	986·7	985·4	984·4	984·3	984·0	984·1	984·2	984·1	984·3	984·1	983·8	983·6	983·8	984·4	985·2	985·5	986·1	986·4	986·6	987·6	988·4	989·3	985·6
19	990·2	990·4	990·6	990·6	990·5	990·4	990·5	990·7	990·3	990·4	990·3	990·3	990·3	990·5	990·8	992·4	993·6	995·0	996·0	997·2	998·3	999·2	000·3	001·4	992·7
20	002·4	002·7	003·5	003·8	004·8	005·4	006·4	007·4	008·0	008·7	009·1	009·4	009·4	009·4	009·5	009·3	009·3	009·6	009·7	009·4	009·2	008·7	007·9	007·8	007·4
21	006·9	006·1	005·1	004·6	004·3	003·7	003·4	003·4	004·0	004·8	005·3	005·1	005·4	005·5	005·6	005·5	005·6	006·3	006·4	006·4	006·3	006·3	006·1	006·0	005·4
22	005·8	005·4	004·5	003·7	003·3	002·5	001·7	000·7	999·7	998·5	997·3	995·8	994·3	993·1	992·5	991·6	991·2	991·1	990·9	991·0	991·0	991·2	991·3	991·3	996·9
23	991·0	990·7	990·2	990·1	990·1	990·3	990·7	991·5	992·4	993·0	993·8	994·3	994·3	994·7	995·3	995·7	996·3	996·9	997·3	997·6	997·7	997·9	998·0	998·3	993·9
24	998·3	998·3	998·0	998·1	998·3	998·6	999·0	999·5	999·9	000·3	000·8	001·1	001·3	001·7	002·1	002·6	003·2	004·4	005·1	006·0	006·8	007·3	008·4	009·3	001·8
25	010·0	011·0	011·5	012·1	012·7	013·4	014·3	015·3	016·3	017·3	017·4	018·3	018·7	018·9	018·5	018·9	019·2	019·6	019·7	019·7	020·0	020·1	020·0	020·1	016·6
26	020·0	019·4	019·0	018·3	018·5	018·3	018·2	018·3	018·1	017·6	016·8	015·9	014·8	013·9	013·1	012·0	011·1	010·9	010·0	009·1	007·9	006·4	005·3	003·9	014·4
27	003·2	001·4	000·0	998·4	997·4	996·5	995·8	996·0	995·6	995·6	995·3	995·0	994·2	993·9	993·1	992·9	992·7	992·3	992·1	991·6	991·2	991·3	991·1	990·4	995·2
28	990·3	991·1	989·5	989·4	989·3	989·2	989·1	989·1	989·1	988·9	988·4	988·3	987·8	987·1	986·6	986·4	986·2	986·6	986·8	986·8	986·3	986·3	986·6	986·5	988·1
29	986·3	986·3	986·0	985·8	985·7	985·7	985·8	985·8	985·8	985·9	986·1	986·0	986·0	985·8	985·5	985·6	986·1	986·5	986·8	986·8	986·8	986·7	986·7	986·6	986·1
Mean (Station Level)	1006 ·04	1005 ·90	1005 ·56	1005 ·34	1005 ·26	1005 ·24	1005 ·26	1005 ·48	1005 ·67	1005 ·78	1005 ·86	1005 ·69	1005 ·38	1005 ·10	1004 ·99	1004 ·99	1005 ·16	1005 ·42	1005 ·58	1005 ·66	1005 ·64	1005 ·70	1005 ·76	1005 ·80	1005 ·52
Mean (Sea Level)	1007 ·34	1007 ·20	1006 ·86	1006 ·64	1006 ·56	1006 ·54	1006 ·56	1006 ·78	1006 ·97	1007 ·07	1007 ·15	1006 ·97	1006 ·66	1006 ·38	1006 ·27	1006 ·28	1006 ·45	1006 ·71	1006 ·88	1006 ·96	1006 ·93	1007 ·00	1007 ·05	1007 ·10	1006 ·81
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

443 KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	986·5	986·3	986·1	985·8	986·2	986·3	986·8	987·2	987·3	987·5	988·0	988·3	988·5	988·5	988·7	989·2	989·4	990·1	990·3	990·7	991·0	991·3	991·8	992·3	988·4
2	992·4	992·5	992·6	992·6	992·8	993·1	993·9	994·8	995·6	996·3	997·5	998·0	998·3	998·7	999·6	000·3	001·0	002·1	002·8	003·4	003·9	004·3	004·8	005·3	997·9
3	005·4	005·8	005·8	006·1	006·3	006·6	007·0	007·4	007·6	008·2	008·4	008·4	008·3	008·1	008·2	008·2	008·3	009·0	009·4	009·6	010·2	010·4	010·6	011·0	008·0
4	011·1	011·2	011·3	011·5	011·8	012·4	013·0	013·3	013·6	013·7	013·8	014·0	013·4	012·6	012·4	012·2	012·0	011·9	011·6	011·5	011·5	011·3	010·6	010·4	012·2
5	010·2	009·7	009·4	009·3	009·4	009·4	009·6	010·1	010·4	010·6	010·5	010·4	009·9	009·7	009·4	009·4	009·5	010·1	010·3	010·4	010·4	010·4	010·4	010·4	009·9
6	010·3	009·7	009·4	008·8	008·9	008·9	009·2	009·6	009·9	010·2	010·4	010·4	010·3	009·9	010·3	010·3	010·6	011·0	011·2	011·5	011·5	011·6	011·7	011·6	010·3
7	011·5	011·4	011·3	011·2	010·9	010·8	010·7	010·6	010·6	010·5	010·0	009·6	009·2	008·5	008·1	008·0	007·7	007·9	007·9	007·8	007·8	007·9	007·9	008·0	009·5
8	008·1	008·2	008·2	008·4	008·9	009·2	009·5	010·0	010·2	010·5	010·6	011·0	010·5	010·5	010·3	010·2	010·6	010·9	011·3	011·4	011·5	011·7	011·5	011·3	010·1
9	011·1	010·5	010·1	009·3	009·2	008·5	008·4	008·3	008·2	008·1	008·1	008·0	007·4	007·2	007·0	006·9	007·0	007·2	007·4	007·5	007·4	007·6	007·7	008·0	008·2
10	008·3	008·3	008·2	008·2	008·3	008·5	009·1	009·6	009·7	010·3	010·2	010·0	009·3	009·2	009·2	009·1	009·2	009·5	009·8	009·9	010·1	010·2	010·3	010·3	009·3
11	009·9	009·7	009·4	009·2	009·1	009·1	009·0	009·1	009·2	009·3	009·1	009·2	009·2	009·1	008·6	008·7	008·8	009·0	009·3	009·5	010·3	010·4	010·4	010·5	009·4
12	010·6	010·5	010·5	010·5	010·5	010·7	011·1	011·3	011·7	012·1	012·3	012·4	012·3	012·3	012·3	012·3	012·4	012·6	013·3	013·5	014·2	014·3	014·4	014·6	012·1
13	014·6	014·5	014·4	014·3	014·4	014·6	015·0	015·6	016·4	016·6	017·0	017·0	016·9	016·9	016·8	016·9	017·3	017·8	018·2	018·6	018·7	019·0	019·2	019·4	016·6
14	019·7	019·9	020·0	020·2	020·5	021·0	021·5	021·9	022·3	022·4	023·1	023·1	022·7	022·4	022·3	022·4	022·5	023·0	023·5	023·8	024·1	024·3	024·5	024·4	022·2
15	024·3	024·2	023·8	023·7	023·5	023·4	023·5	023·7	023·9	023·8	023·9	023·8	023·4	022·5	022·7	022·6	022·5	022·4	022·9	023·1	023·3	023·4	023·7	023·7	023·4
16	023·5	023·6	023·6	023·7	023·6	023·7	024·1	024·3	024·5	024·5	024·4	024·1	023·6	023·3	023·0	022·7	022·9	023·0	023·2	023·4	023·6	023·6	023·9	023·9	023·6
17	024·0	023·7	023·4	023·2	023·1	023·2	023·4	023·7	024·0	024·0	023·7	023·5	022·7	022·2	021·8	021·6	021·5	022·0	022·2	022·5	022·7	022·7	022·6	022·5	022·9
18	022·4	022·4	022·0	021·6	021·7	022·0	022·1	022·1	022·1	021·7	020·8	020·3	019·3	018·5	017·6	017·2	016·6	016·9	016·7	016·5	016·3	016·2	015·6	015·2	019·5
19	015·0	014·0	013·3	013·0	012·6	012·7	012·6	012·6	012·4	012·2	011·4	011·2	010·7	010·3	009·8	009·9	010·1	010·3	010·4	010·3	010·4	010·4	010·4	010·4	011·6
20	010·4	010·2	009·5	009·5	009·3	009·5	009·7	010·1	010·5	010·8	011·0	011·0	010·7	010·5	010·5	010·5	010·7	011·3	011·7	011·5	011·5	011·5	011·5	011·4	010·6
21	011·3	011·2	010·6	010·6	010·3	010·2	010·2	010·3	010·0	009·6	009·7	009·1	008·3	007·9	007·4	007·2	007·0	006·5	006·4	006·2	005·4	005·2	004·3	003·5	008·4
22	003·0	002·2	001·8	001·4	001·2	000·9	000·6	000·3	000·0	999·9	999·5	999·6	999·3	999·4	999·2	999·1	999·2	998·9	998·5	998·4	998·3	998·2	997·7	997·0	999·9
23	996·4	996·2	996·9	996·2	995·7	995·2	994·9	994·8	994·8	994·2	993·9	993·5	993·4	994·1	995·0	995·8	997·2	998·9	000·2	001·4	002·3	002·9	003·5	004·2	997·0
24	004·7	005·3	005·3	005·5	005·8	006·4	006·7	007·1	007·3	007·3	007·3	007·1	006·3	006·0	006·0	005·8	005·7	006·0	006·2	006·3	006·7	006·5	006·4	006·4	006·2
25	006·3	006·0	005·1	005·1	005·2	005·3	005·3	005·9	006·1	005·7	005·1	004·1	003·3	003·3	003·2	003·2	003·4	003·4	003·7	003·6	003·1	002·5	002·3	004·5	
26	001·9	001·1	000·3	999·4	999·3	999·1	999·4	999·6	999·7	999·5	999·5	999·7	000·1	999·9	999·6	999·8	000·0	000·2	000·7	001·1	001·3	001·3	001·5	001·9	000·3
27	002·0	002·2	002·3	002·5	002·7	003·3	003·8	004·4	005·1	005·3	005·6	005·7	005·9	005·9	006·0	006·0	006·2	006·4	007·1	007·4	007·9	007·7	007·7	008·0	005·2
28	008·1	008·2	008·3	008·4	008·4	008·7	009·3	009·7	010·1	010·2	010·3	010·3	010·0	009·7	009·8	010·0	009·9	009·9	010·5	010·8	010·6	010·6	010·3	010·0	009·6
29	009·3	009·1	008·6	008·0	007·7	007·3	007·1	006·3	005·5	005·2	004·8	004·3	004·1	003·6	003·7	003·7	004·0	004·4	005·0	005·2	005·1	005·2	005·3	005·4	005·8
30	005·5	005·5	005·5	005·7	006·1	006·5	007·3	008·0	008·3	008·6	008·8	008·8	008·9	008·7	008·6	008·1	008·2	008·4	009·1	009·5	010·0	010·5	011·2	011·1	008·1
31	011·1	011·1	011·0	011·1	010·9	010·6	010·9	011·0	010·8	010·9	011·1	011·2	010·7	009·9	009·7	009·6	009·7	010·0	010·3	011·0	010·9	010·8	011·1	011·0	010·7
Mean (Station Level)	1009 ·32	1009 ·17	1008 ·97	1008 ·84	1008 ·85	1008 ·94	1009 ·18	1009 ·42	1009 ·60	1009 ·68	1009 ·69	1009 ·62	1009 ·28	1009 ·01	1008 ·93	1008 ·93	1009 ·06	1009 ·39	1009 ·71	1009 ·92	1010 ·08	1010 ·15	1010 ·16	1010 ·17	1009 ·40
Mean (Sea Level)	1010 ·61	1010 ·46	1010 ·25	1010 ·13	1010 ·14	1010 ·23	1010 ·47	1010 ·71	1010 ·88	1010 ·96	1010 ·96	1010 ·89	1010 ·55	1010 ·28	1010 ·20	1010 ·20	1010 ·33	1010 ·66	1010 ·98	1011 ·20	1011 ·36	1011 ·43	1011 ·44	1011 ·46	1010 ·68

444 KEW OBSERVATORY: H_b = 10·4 metres — APRIL, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	010·9	010·6	010·0	009·6	009·1	009·0	008·8	009·0	008·5	008·1	007·9	007·5	006·7	006·0	005·5	004·9	004·5	004·5	004·4	004·3	004·0	003·9	003·3	003·2	007·0
2	003·3	003·5	004·1	004·8	005·8	007·0	008·4	010·1	011·5	012·6	013·4	014·3	015·1	015·5	015·8	016·0	016·6	017·3	017·8	018·4	019·1	019·3	019·4	019·3	012·5
3	019·2	019·0	018·9	019·0	018·9	019·0	019·2	019·0	018·5	018·5	018·0	017·9	016·9	016·2	015·4	014·9	015·1	015·1	015·1	014·9	014·5	014·5	014·4	014·1	017·0
4	014·0	013·3	013·2	012·6	012·5	012·6	013·2	013·5	014·3	014·3	014·2	014·2	013·9	013·9	013·9	014·3	014·5	015·2	016·0	017·0	017·3	018·2	018·8	019·0	014·8
5	019·3	019·9	020·0	020·0	020·3	021·0	021·2	021·8	022·0	022·5	022·8	023·0	023·0	023·0	023·1	023·0	023·2	023·6	024·1	024·7	025·1	025·4	025·3	025·3	022·5
6	025·3	025·2	024·3	023·7	023·3	023·4	024·0	023·8	023·2	022·5	021·9	021·3	021·0	019·9	019·1	018·1	017·1	016·7	016·9	017·1	016·5	016·2	016·0	015·7	020·7
7	015·1	014·6	013·9	013·8	013·4	013·6	014·0	014·0	014·0	014·1	014·1	013·8	013·7	013·8	013·9	014·0	014·1	014·1	014·6	015·2	015·5	016·0	016·1	016·3	014·4
8	016·3	016·1	016·0	016·1	016·4	016·8	017·4	017·8	018·3	018·8	018·8	018·7	018·6	018·4	017·8	017·5	017·5	017·6	018·2	018·6	018·8	018·9	019·0	019·2	017·8
9	019·2	019·3	019·2	019·2	019·2	019·5	019·9	020·4	020·9	021·2	021·5	021·4	021·2	020·8	020·2	020·0	020·1	020·5	021·2	021·4	021·8	022·0	022·1	022·2	020·5
10	022·2	022·0	021·4	021·3	021·3	021·4	021·2	020·9	020·9	020·9	020·5	019·9	019·3	018·7	017·7	016·9	016·7	017·1	017·2	017·2	017·2	017·1	017·1	016·8	019·4
11	016·2	015·9	015·4	015·1	015·0	015·0	014·4	014·1	013·8	013·3	012·6	012·1	010·8	010·7	010·4	010·0	009·9	010·0	010·1	010·5	010·4	010·2	009·9	009·7	012·5
12	009·2	009·0	008·4	007·9	007·9	007·8	007·7	007·5	007·8	007·9	007·7	007·4	007·3	007·8	008·1	008·2	008·0	008·0	008·1	008·2	008·3	008·1	007·9	007·2	008·0
13	006·6	006·1	005·4	004·8	004·1	004·0	003·8	003·6	003·5	003·5	003·2	003·0	002·9	002·8	002·5	002·1	002·0	002·1	002·4	002·8	002·9	002·9	002·8	002·8	003·5
14	002·6	002·6	002·5	002·4	002·6	002·8	002·8	002·8	002·9	002·8	002·8	002·6	002·3	002·2	002·1	002·0	002·0	002·1	002·3	002·7	002·7	002·7	002·4	001·9	002·5
15	001·4	001·0	000·8	000·6	000·5	000·5	000·4	000·1	999·9	999·5	999·4	999·3	999·0	998·5	997·9	997·8	997·9	997·9	997·9	998·0	998·1	998·2	998·4	998·6	999·3
16	998·7	998·8	998·8	998·9	998·9	999·0	999·5	999·7	999·8	999·9	999·8	999·8	000·0	999·9	000·0	999·9	999·9	999·9	000·6	001·5	002·0	002·3	002·5	002·6	000·0
17	002·7	002·8	003·3	003·8	004·1	004·4	004·9	005·4	006·1	006·6	006·8	007·0	007·4	007·5	007·7	007·8	008·3	009·1	010·0	010·8	011·2	011·8	012·3	012·8	007·1
18	013·0	013·4	013·7	013·9	014·1	014·6	014·8	014·9	015·3	015·3	015·2	015·1	015·0	014·9	014·6	014·6	014·5	014·4	014·3	014·7	014·8	014·7	014·7	014·9	014·5
19	014·6	014·4	014·0	013·7	013·8	014·1	014·5	014·7	014·7	014·7	014·6	013·9	013·6	013·6	013·4	013·2	012·9	012·8	012·5	012·7	012·9	013·0	013·0	012·4	013·7
20	012·1	011·3	010·5	009·7	009·2	008·9	008·0	007·2	006·6	006·0	005·4	004·3	003·1	002·4	002·5	003·1	003·6	004·5	005·1	006·0	006·5	007·1	008·1	008·2	006·7
21	007·7	007·1	007·1	006·9	006·7	006·7	006·4	005·5	004·6	003·4	002·1	001·3	999·8	998·5	997·7	996·3	994·7	993·1	992·1	991·7	991·1	991·1	991·4	991·7	000·1
22	992·3	993·2	994·7	995·9	998·2	999·7	001·1	002·3	003·7	005·1	006·1	007·1	007·6	008·5	008·9	009·8	010·8	011·2	011·8	013·1	013·4	013·8	014·5	014·8	005·3
23	015·2	015·2	015·5	015·9	016·3	016·5	017·0	017·2	017·1	016·9	016·4	016·1	015·5	015·0	014·3	013·8	013·6	013·4	013·2	012·6	012·4	012·0	010·9	010·4	014·8
24	009·5	008·8	008·9	009·1	009·6	010·6	011·4	012·4	013·6	014·1	014·8	015·0	015·6	016·1	016·5	017·0	017·3	018·0	018·3	018·9	019·0	019·0	019·0	018·9	014·5
25	018·3	018·1	017·9	018·0	018·0	018·1	018·5	018·6	018·9	018·8	018·8	018·6	018·2	017·9	017·6	017·5	017·2	016·9	016·6	016·5	016·4	015·9	015·4	015·1	017·7
26	015·1	014·6	014·7	014·9	015·0	015·6	015·7	015·9	015·9	015·9	015·8	015·4	015·4	015·5	015·6	015·6	015·6	015·9	016·9	017·7	018·5	018·4	018·7	019·3	016·1
27	019·7	020·0	020·6	021·2	021·7	022·6	023·1	023·4	023·8	024·0	024·3	024·6	024·9	024·5	024·5	024·3	024·3	024·9	025·7	026·4	026·6	026·6	026·7	026·8	023·8
28	026·8	026·7	026·6	026·7	026·7	027·0	027·0	026·9	026·6	026·4	025·9	025·3	025·1	024·7	024·3	024·2	024·0	023·7	023·9	024·3	025·2	025·2	025·2	025·2	025·6
29	025·1	025·1	025·0	024·9	025·1	025·7	025·9	026·3	026·4	026·5	026·5	026·4	026·0	025·8	025·8	025·5	025·3	025·3	025·6	026·0	026·4	026·6	026·9	026·8	025·8
30	026·3	026·3	026·2	026·1	026·0	026·5	026·8	026·8	026·8	026·8	027·0	026·7	026·4	025·5	025·2	025·0	024·9	025·1	025·7	026·3	026·9	027·0	027·1	027·0	026·2
Mean (Station Level)	1013 ·26	1013 ·13	1013 ·03	1013 ·02	1013 ·12	1013 ·45	1013 ·70	1013 ·85	1014 ·00	1014 ·03	1013 ·94	1013 ·77	1013 ·51	1013 ·28	1013 ·07	1012 ·91	1012 ·87	1013 ·00	1013 ·29	1013 ·67	1013 ·85	1013 ·94	1013 ·98	1013 ·94	1013 ·47
Mean (Sea Level)	1014 ·56	1014 ·43	1014 ·33	1014 ·31	1014 ·42	1014 ·74	1014 ·99	1015 ·14	1015 ·28	1015 ·31	1015 ·23	1015 ·05	1014 ·79	1014 ·56	1014 ·34	1014 ·19	1014 ·15	1014 ·28	1014 ·57	1014 ·96	1015 ·14	1015 ·23	1015 ·27	1015 ·23	1014 ·76
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

445 KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	027·0	027·0	027·0	027·1	027·4	027·5	027·8	027·6	027·5	027·3	027·4	027·3	026·7	026·4	026·3	026·3	026·2	026·3	026·4	027·2	027·6	027·8	027·7	027·6	027·1
2	027·3	027·1	027·0	027·1	027·3	027·4	027·5	027·7	027·8	027·7	027·7	027·5	027·2	026·8	026·4	026·2	026·0	026·1	026·5	027·2	027·5	027·5	027·3	027·2	027·1
3	026·8	026·5	026·2	026·3	026·5	026·9	027·1	027·1	027·0	026·9	026·3	025·9	025·2	024·8	024·0	023·2	023·0	022·7	022·9	022·9	022·4	021·7	021·6	021·1	024·9
4	020·3	019·8	019·0	018·5	018·1	018·0	017·9	017·3	016·7	016·2	015·9	015·3	014·6	013·9	013·0	012·4	012·2	012·1	011·9	012·0	011·8	011·6	011·4	011·3	015·3
5	010·9	010·4	009·9	009·4	009·3	009·3	009·2	009·2	008·9	008·4	008·0	007·2	006·5	006·1	005·4	005·3	005·2	005·3	005·8	005·9	006·1	005·7	005·4	005·3	007·5
6	005·1	005·0	005·0	005·2	005·3	005·7	006·1	006·3	006·5	006·7	006·8	006·8	006·8	006·7	006·4	006·8	007·4	008·1	008·4	009·4	009·8	010·0	010·0	010·1	007·0
7	010·1	010·0	010·1	010·3	011·0	011·1	011·4	011·6	011·9	012·1	012·3	012·3	012·1	012·0	011·8	011·8	011·8	012·1	012·5	013·2	013·7	014·4	014·5	014·3	011·9
8	014·1	013·9	014·0	013·9	013·7	013·8	014·1	014·0	013·9	013·5	013·7	013·4	013·2	012·9	012·9	013·0	013·3	013·3	013·2	013·5	013·9	014·0	014·0	014·0	013·6
9	013·9	013·7	013·1	013·0	013·0	013·1	013·2	013·2	013·2	013·2	013·1	013·1	013·2	013·3	013·2	013·1	013·1	013·4	013·8	013·7	014·0	014·1	014·0	014·0	013·4
10	014·0	014·0	013·9	014·0	014·0	014·1	014·3	014·8	014·6	014·8	014·8	014·7	014·5	014·3	014·2	014·1	014·1	014·2	014·5	015·2	016·0	016·2	016·1	016·1	014·6
11	016·2	016·2	016·6	017·0	017·3	017·7	017·9	018·0	017·9	017·9	017·2	017·1	016·8	016·5	016·2	016·0	015·9	015·9	016·0	016·4	016·9	016·9	017·0	017·1	016·8
12	017·0	016·9	016·8	016·6	016·7	016·9	017·1	017·1	017·2	017·2	017·3	017·2	016·8	016·7	016·6	016·4	016·2	016·3	016·4	017·0	017·5	017·7	017·7	017·7	016·9
13	017·6	017·3	017·4	017·7	017·9	018·2	018·4	018·6	018·5	018·2	018·0	017·9	017·8	017·3	017·1	017·1	017·0	017·1	017·6	018·0	018·2	018·5	018·7	018·8	017·8
14	018·9	019·0	019·2	019·2	019·3	019·5	019·9	020·1	020·2	020·1	020·0	019·6	019·4	019·0	018·9	018·3	018·0	018·1	018·0	018·1	018·1	018·0	017·7	017·2	018·9
15	016·9	016·7	016·1	015·8	015·5	015·4	015·2	015·1	014·6	014·2	013·8	013·2	012·7	012·5	011·8	011·3	011·1	010·8	010·8	011·0	011·4	011·1	010·7	010·0	013·4
16	009·7	009·2	008·7	008·6	008·8	008·7	008·7	008·5	008·1	007·8	007·6	007·3	007·0	007·0	006·9	006·7	006·8	006·8	007·0	007·7	008·6	008·7	008·8	008·3	008·0
17	008·6	008·7	008·8	009·2	009·8	010·0	010·6	010·9	011·2	011·2	011·0	011·0	010·7	010·5	010·4	011·0	011·1	011·7	011·9	012·1	012·2	012·3	012·4	012·5	010·7
18	012·3	012·2	012·6	012·7	013·2	013·7	014·6	014·8	015·2	015·8	016·1	016·4	016·5	016·8	017·2	017·5	017·8	018·0	018·3	018·8	019·3	019·6	019·8	019·7	016·1
19	019·6	019·3	018·9	018·8	019·1	019·2	019·3	019·5	019·3	019·1	018·7	018·3	017·7	017·0	016·6	015·9	015·8	016·0	016·6	017·0	017·0	017·0	017·0	017·0	018·0
20	016·8	016·2	016·1	016·0	015·8	016·0	016·4	016·3	016·4	016·4	016·4	016·5	016·6	016·6	016·8	017·0	017·2	017·3	017·7	018·5	018·8	018·8	018·8	018·3	017·0
21	018·2	018·2	017·8	017·4	017·4	017·2	017·1	017·1	017·0	017·0	016·9	016·5	016·2	016·0	015·9	016·0	016·2	016·3	017·1	017·1	017·3	017·4	017·5	017·3	017·0
22	016·9	016·6	016·3	016·0	015·7	015·6	015·5	015·3	015·0	014·2	013·5	012·8	011·4	010·7	009·8	009·0	008·1	008·1	008·0	007·4	007·1	006·8	006·6	006·4	012·0
23	006·2	006·0	006·1	006·1	006·3	007·0	007·3	008·1	008·3	008·4	008·6	008·8	008·9	009·0	009·0	009·0	008·8	008·8	008·8	009·0	009·4	009·7	009·7	009·8	008·1
24	009·7	009·6	009·4	009·3	009·2	009·8	010·1	010·2	010·1	009·8	009·8	009·7	009·6	009·5	009·4	009·6	009·8	010·0	010·2	010·7	011·4	011·5	011·8	011·9	010·0
25	011·9	011·9	011·9	011·9	012·6	013·1	013·8	014·0	014·6	014·7	014·9	015·1	015·1	015·0	014·9	015·0	015·1	015·3	015·5	016·1	016·9	017·1	017·7	017·8	014·5
26	018·2	018·2	017·9	018·0	018·2	019·0	019·1	019·4	019·7	020·1	019·7	019·1	018·5	018·3	018·0	017·6	017·3	017·4	018·1	018·1	018·2	018·3	018·4	018·4	018·5
27	018·3	018·1	017·7	017·3	017·4	017·5	017·5	017·8	018·2	018·4	018·5	018·4	018·0	017·4	017·2	017·1	017·2	017·7	018·0	018·9	019·6	020·0	020·2	020·5	018·2
28	020·7	020·7	020·8	020·8	020·7	020·7	020·8	020·9	021·1	021·0	020·7	020·6	020·3	020·1	019·7	019·6	019·4	019·3	019·2	019·1	019·2	019·0	018·8	018·0	020·1
29	017·4	017·2	016·5	015·9	015·2	015·1	014·8	014·2	013·3	012·7	011·9	011·0	010·1	009·3	008·6	008·1	007·8	007·9	007·9	007·8	007·7	007·6	007·3	007·1	011·6
30	006·4	005·9	005·4	005·1	005·0	004·9	004·4	004·1	003·6	003·2	003·2	002·2	001·8	001·6	001·9	001·9	002·0	002·1	002·9	004·0	005·0	005·6	006·0	006·5	004·0
31	007·0	007·5	008·0	008·4	009·2	010·0	010·4	011·0	011·1	011·4	012·0	012·0	012·0	012·1	012·2	012·2	012·6	012·9	013·1	013·9	014·2	014·2	014·5	014·4	011·3
Mean (Station Level)	1015 ·29	1015 ·13	1014 ·97	1014 ·92	1015 ·03	1015 ·23	1015 ·40	1015 ·48	1015 ·44	1015 ·34	1015 ·22	1014 ·97	1014 ·64	1014 ·39	1014 ·15	1014 ·02	1013 ·98	1014 ·11	1014 ·35	1014 ·74	1015 ·06	1015 ·12	1015 ·13	1015 ·02	1014 ·89
Mean (Sea Level)	1016 ·57	1016 ·41	1016 ·25	1016 ·20	1016 ·31	1016 ·51	1016 ·68	1016 ·75	1016 ·70	1016 ·60	1016 ·47	1016 ·23	1015 ·89	1015 ·64	1015 ·40	1015 ·26	1015 ·23	1015 ·36	1015 ·61	1016 ·00	1016 ·32	1016 ·39	1016 ·41	1016 ·30	1016 ·15

446 KEW OBSERVATORY: H_b = 10·4 metres — JUNE, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	014·1	014·0	013·8	013·8	014·0	014·1	014·1	014·0	014·0	014·0	013·7	013·4	013·0	012·8	012·6	013·0	013·0	013·0	013·0	013·1	013·2	013·1	013·0	012·7	013·5
2	012·4	012·3	011·9	011·5	011·4	011·2	011·0	010·9	010·4	010·6	010·5	010·4	010·4	010·2	009·6	009·0	008·8	008·6	008·8	008·9	009·0	008·8	008·4	008·3	010·2
3	007·9	007·1	006·8	006·3	006·1	006·0	006·0	006·0	005·9	005·8	005·8	005·7	005·7	005·5	005·6	005·9	005·9	006·1	006·3	006·9	007·2	007·3	008·1	008·2	006·4
4	008·2	008·2	008·2	008·2	008·5	008·8	009·3	009·5	009·8	010·0	010·4	010·5	010·5	010·5	010·4	010·4	011·0	012·0	012·6	013·7	014·2	014·7	014·8	015·0	010·7
5	014·8	014·2	013·8	013·6	013·2	013·2	013·2	013·3	014·0	014·2	014·1	014·1	014·1	014·0	013·8	013·9	014·1	014·7	015·1	015·6	016·2	016·3	016·4	016·2	014·4
6	016·0	015·8	015·3	015·2	015·4	015·6	015·6	015·7	015·5	015·2	015·1	015·1	014·8	014·2	014·0	013·8	013·8	013·3	013·1	013·1	012·9	013·3	012·9	012·7	014·5
7	012·5	012·3	012·1	011·9	012·1	011·9	012·1	012·3	012·4	012·8	013·1	013·1	013·4	013·9	014·1	014·1	014·1	014·2	014·7	015·1	015·8	016·0	016·2	016·3	013·5
8	016·4	016·7	017·0	017·3	017·8	017·9	018·4	018·8	019·1	019·3	019·7	019·6	019·7	019·5	019·3	019·2	019·1	019·1	019·2	019·9	020·6	021·0	021·1	021·1	018·9
9	021·0	020·9	020·6	020·5	020·5	020·4	020·4	020·3	019·5	019·0	018·6	018·0	017·5	017·2	017·0	016·4	016·0	015·8	015·8	016·0	016·3	016·4	016·4	016·3	018·3
10	016·2	015·9	015·7	015·7	015·8	015·9	016·0	016·1	016·3	016·4	016·4	016·4	016·3	016·4	016·4	016·3	016·2	016·4	017·0	017·4	017·8	018·0	018·0	017·8	016·5
11	017·4	017·1	016·9	016·8	016·7	016·7	016·6	016·6	016·2	015·9	015·5	015·2	015·0	014·9	014·4	014·1	013·6	013·3	013·2	013·5	013·9	013·8	013·5	013·1	015·3
12	012·8	012·6	012·2	012·2	012·5	012·9	012·9	013·0	013·0	013·1	012·7	012·6	012·8	012·7	012·8	012·6	012·4	012·6	013·0	013·1	013·6	013·7	013·8	013·8	012·9
13	013·7	013·4	013·3	013·4	013·3	013·4	013·7	013·8	013·6	013·6	013·7	013·8	013·8	013·9	013·8	013·4	013·4	013·8	014·0	014·2	014·3	014·8	015·0	015·4	013·8
14	015·7	016·0	016·3	016·6	016·8	017·0	017·2	017·2	016·9	016·3	016·1	015·6	015·5	015·1	014·7	014·6	014·4	014·1	013·9	013·8	013·3	012·8	012·1	011·4	015·3
15	010·8	010·6	010·1	010·6	010·8	010·9	011·1	011·2	011·3	011·3	011·3	011·5	011·7	012·0	012·4	012·8	013·2	013·4	014·2	015·2	015·9	016·4	016·5	016·6	012·5
16	016·5	016·5	016·3	016·1	016·3	016·8	017·0	017·1	017·1	017·1	017·0	017·0	016·9	016·9	016·8	016·7	016·3	016·3	016·4	016·6	017·0	017·2	017·4	017·3	016·8
17	017·0	016·5	016·0	015·7	015·8	015·9	015·9	016·5	016·7	017·0	017·3	017·2	017·2	017·2	017·2	017·2	017·3	017·8	018·2	019·2	019·8	020·2	020·3	020·3	017·4
18	020·2	021·0	020·8	019·8	020·0	020·7	020·3	021·8	022·9	022·3	022·3	022·2	022·1	021·4	021·1	020·8	020·7	020·8	020·9	021·5	021·6	021·6	021·5	021·4	021·2
19	020·9	020·4	019·7	019·1	018·7	018·5	017·8	017·7	017·4	017·7	016·8	016·1	015·0	015·1	013·9	012·8	012·3	012·0	011·9	012·1	012·1	012·6	011·5	011·7	015·8
20	011·1	010·9	010·7	010·7	010·5	010·7	010·7	010·5	010·4	010·2	009·9	009·6	009·2	008·2	007·9	007·8	007·4	007·9	008·2	008·3	008·4	008·2	009·2	008·6	009·4
21	008·2	007·9	008·0	008·0	008·1	008·0	008·2	008·2	008·3	008·9	008·7	008·7	008·6	008·0	008·2	008·2	009·0	008·9	009·2	009·8	010·3	008·8	010·0	010·2	008·7
22	010·6	011·0	010·8	010·8	010·9	011·8	012·2	012·7	013·4	013·9	014·0	014·2	014·2	014·1	014·3	014·5	014·9	015·5	015·9	016·4	017·1	017·3	017·7	018·3	013·9
23	018·5	018·6	018·6	018·7	018·8	019·2	020·2	020·2	020·2	020·3	020·2	020·1	020·0	019·8	019·8	019·4	019·2	019·4	019·8	020·1	020·7	021·1	021·2	021·1	019·7
24	020·9	020·8	020·7	020·6	020·7	020·8	020·8	020·8	020·8	020·7	020·2	020·0	019·7	019·2	018·9	018·6	018·4	018·5	018·7	019·0	019·5	019·8	020·1	020·2	020·0
25	020·0	019·9	019·8	020·0	020·2	020·2	020·4	020·5	020·5	020·4	020·2	020·0	019·8	019·3	019·2	018·7	018·5	018·8	019·2	019·7	020·0	020·0	020·5	020·6	019·8
26	020·2	020·0	019·8	019·5	019·4	019·4	019·8	020·0	020·1	020·2	020·0	020·1	019·9	019·8	019·7	019·5	018·8	018·9	018·9	019·1	019·3	019·3	019·4	019·5	019·6
27	019·3	019·2	019·1	019·5	019·7	019·7	019·9	019·9	020·0	019·8	019·7	019·8	019·0	018·8	018·4	018·0	017·9	018·3	018·3	018·7	019·0	019·3	019·4	019·3	019·2
28	019·2	019·0	018·8	018·8	018·7	018·7	018·6	018·3	018·0	017·5	016·8	016·3	015·8	015·3	014·7	013·9	013·3	013·0	012·8	012·8	012·9	012·9	012·4	012·3	016·0
29	010·8	010·0	009·2	008·7	008·5	008·0	007·8	007·4	007·1	007·0	006·8	006·1	005·9	005·8	005·8	005·4	005·3	006·1	006·0	006·2	006·5	006·4	006·6	006·7	007·2
30	006·7	006·8	006·4	006·8	006·9	007·1	007·3	007·4	007·3	007·2	007·0	006·8	006·6	006·2	006·2	006·2	006·0	005·9	006·0	005·8	005·8	005·4	005·0	004·9	006·4
Mean (Station Level)	1015 ·00	1014 ·85	1014 ·62	1014 ·55	1014 ·60	1014 ·71	1014 ·82	1014 ·92	1014 ·95	1014 ·94	1014 ·79	1014 ·66	1014 ·47	1014 ·26	1014 ·10	1013 ·91	1013 ·81	1013 ·95	1014 ·14	1014 ·49	1014 ·81	1014 ·88	1014 ·95	1014 ·91	1014 ·59
Mean (Sea Level)	1016 ·28	1016 ·11	1015 ·89	1015 ·81	1015 ·87	1015 ·97	1016 ·07	1016 ·17	1016 ·19	1016 ·19	1016 ·03	1015 ·89	1015 ·71	1015 ·50	1015 ·33	1015 ·14	1015 ·04	1015 ·18	1015 ·38	1015 ·73	1016 ·06	1016 ·14	1016 ·20	1016 ·17	1015 ·84

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19.	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

447 KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	004·6	004·3	004·0	004·4	004·4	004·2	004·6	004·9	004·8	004·8	004·5	004·4	004·2	004·0	003·9	003·8	003·9	004·0	004·4	004·7	004·7	004·3	004·0	003·5	004·3
2	003·0	002·9	002·4	002·0	002·2	002·2	002·3	002·2	002·3	002·5	002·4	002·3	002·4	002·5	002·5	002·4	002·7	002·9	003·3	003·9	004·7	004·8	005·0	005·1	002·9
3	005·4	005·3	005·4	005·7	006·0	006·1	006·1	006·5	006·5	006·6	006·8	006·5	006·4	006·7	007·1	007·2	006·8	007·0	007·0	007·6	008·0	008·3	008·8	008·9	006·7
4	009·2	009·7	010·1	010·7	011·3	012·5	012·8	013·2	013·4	013·9	013·8	013·2	013·1	013·6	013·5	013·3	013·1	013·2	013·1	013·2	013·5	014·0	014·3	014·7	012·6
5	014·9	015·0	014·9	015·0	015·2	015·4	015·8	016·0	016·0	016·1	016·2	016·2	016·1	015·7	015·4	015·1	015·0	015·0	015·1	015·3	015·9	016·1	016·0	016·1	015·5
6	016·0	015·8	015·1	015·3	015·2	015·0	015·1	015·1	015·0	014·8	014·2	013·9	013·4	013·2	013·0	012·8	012·5	012·1	012·0	012·0	012·0	012·1	012·0	011·9	013·8
7	011·3	011·6	011·0	010·8	010·4	010·3	010·2	010·2	010·2	009·6	009·0	008·4	007·4	007·0	006·7	006·3	005·8	005·2	005·9	065·7	005·8	006·8	006·6	006·7	008·4
8	007·1	007·6	007·7	008·0	008·3	008·6	009·0	009·4	009·9	010·0	009·9	009·9	009·9	010·0	009·8	010·0	009·9	009·8	009·7	009·7	009·8	009·7	009·6	009·2	009·2
9	008·9	008·2	007·9	007·6	007·3	006·9	006·9	007·0	006·8	006·9	007·0	007·2	007·4	007·4	007·5	007·8	007·9	007·8	007·9	007·9	008·2	008·3	008·5	007·9	007·7
10	007·5	007·5	007·1	007·0	006·9	006·8	006·7	006·8	006·7	006·7	006·9	006·8	006·4	006·2	006·0	005·9	006·3	006·8	007·4	007·7	008·3	008·9	008·4	008·4	007·1
11	008·2	008·3	008·4	008·8	009·3	009·6	010·0	010·0	010·0	009·8	009·9	009·7	009·6	009·8	009·6	009·8	009·8	009·8	010·1	010·2	010·8	010·9	010·9	010·9	009·7
12	010·9	010·8	010·9	010·9	011·0	011·1	011·2	011·3	010·9	010·4	009·9	009·8	009·6	009·4	008·8	007·8	006·7	005·9	005·3	004·8	004·4	003·8	003·6	002·9	008·6
13	002·5	002·4	002·1	002·2	002·7	003·4	003·9	004·1	004·6	005·1	005·1	005·3	005·8	005·9	006·3	006·4	006·5	006·8	007·8	007·8	008·5	008·7	008·8	009·0	005·3
14	009·0	008·8	008·7	009·1	009·4	009·7	009·8	010·0	010·0	009·7	009·1	008·6	008·3	007·9	007·6	007·1	007·0	006·9	006·6	005·8	005·3	004·4	003·0	001·4	007·8
15	999·8	998·1	996·3	994·6	992·6	991·1	989·8	990·0	991·8	993·8	995·7	997·2	998·5	999·3	000·2	000·8	001·3	002·1	002·8	003·5	004·4	004·9	005·5	006·0	998·2
16	006·4	006·6	006·9	007·3	008·2	009·1	010·0	010·6	011·0	011·4	011·9	012·3	012·5	012·9	012·9	013·1	013·3	013·4	013·9	014·1	014·5	014·2	013·8	013·7	011·3
17	013·1	012·8	012·2	011·8	011·5	011·0	010·6	010·5	009·8	009·2	008·7	008·0	007·6	006·6	006·0	005·3	004·1	003·9	003·9	004·1	004·3	003·4	002·9	003·5	007·9
18	003·3	003·0	003·0	002·9	002·9	003·0	003·1	003·1	003·4	003·7	004·2	004·2	004·3	004·2	003·9	003·6	003·2	002·8	002·6	001·9	001·2	000·6	000·9	001·0	003·0
19	001·1	001·0	001·1	001·7	002·0	002·6	003·3	003·9	004·7	005·6	006·2	006·7	006·7	007·0	007·2	007·2	007·3	007·3	007·4	007·5	007·7	007·7	007·6	007·3	005·2
20	006·7	006·4	006·3	006·2	006·1	006·1	006·0	006·0	005·9	005·9	005·7	005·8	005·9	006·0	006·0	006·2	006·3	006·4	007·0	007·7	008·2	008·8	009·0	009·2	006·6
21	009·3	009·4	009·7	009·9	010·1	010·4	010·7	010·8	010·9	011·0	010·8	010·8	010·7	010·7	010·9	010·7	010·5	010·5	010·5	011·0	011·4	011·6	011·7	011·6	010·6
22	011·5	011·3	011·3	011·4	011·4	011·5	011·9	012·0	012·0	012·1	011·9	011·9	011·8	011·7	011·6	011·3	011·1	011·2	011·4	011·4	011·5	011·4	011·1	010·6	011·5
23	010·0	009·4	008·6	008·3	007·6	007·1	006·2	005·5	004·9	004·0	003·6	003·1	002·6	002·4	001·8	001·5	001·6	001·6	002·2	002·5	003·2	003·9	004·3	004·4	004·7
24	004·5	004·5	004·6	004·8	005·1	005·5	005·8	006·1	006·5	006·6	007·0	007·2	007·1	007·3	007·5	007·7	008·0	008·2	008·8	009·6	010·0	010·1	010·2	010·1	007·1
25	010·0	010·0	009·9	009·7	009·6	009·9	009·9	009·8	009·5	009·5	009·4	009·1	009·0	009·0	009·9	009·9	009·7	010·0	010·2	010·7	011·2	011·9	012·4	012·6	010·1
26	012·7	012·6	012·9	013·2	013·5	013·8	014·0	014·0	013·9	013·8	013·7	013·5	013·7	013·4	013·3	013·4	013·7	013·3	013·7	013·7	014·2	014·5	014·7	014·9	013·6
27	015·0	015·1	015·0	015·0	015·2	015·2	015·3	015·6	015·6	015·3	015·0	015·3	015·2	015·1	014·9	014·8	014·7	014·7	014·7	014·7	014·8	014·6	014·6	014·4	015·0
28	014·2	013·6	013·2	013·4	012·4	012·5	012·3	012·2	011·9	011·7	011·0	010·8	011·0	011·0	011·0	010·8	010·4	010·5	010·5	010·7	011·1	011·2	011·2	011·0	011·7
29	010·8	011·0	011·0	011·2	011·7	012·0	012·5	013·2	013·9	014·3	014·9	015·0	015·7	016·1	016·6	017·1	017·8	018·5	018·9	019·9	020·5	021·2	021·6	021·9	015·5
30	022·1	022·1	022·4	022·7	023·0	023·4	023·9	024·3	024·5	024·4	023·9	023·9	023·7	023·3	022·7	022·6	022·9	022·8	022·7	022·8	022·9	022·7	022·5	022·0	023·1
31	021·4	020·6	019·8	019·0	018·7	017·9	017·2	016·9	015·7	014·9	014·5	013·6	013·2	012·8	012·0	011·6	011·0	010·7	010·6	010·6	010·9	010·8	010·2	009·8	014·6
Mean (Station Level)	1009 ·37	1009 ·22	1009 ·03	1009 ·05	1009 ·07	1009 ·16	1009 ·25	1009 ·39	1009 ·45	1009 ·49	1009 ·45	1009 ·37	1009 ·33	1009 ·29	1009 ·23	1009 ·14	1009 ·06	1009 ·07	1009 ·23	1009 ·47	1009 ·74	1009 ·83	1009 ·80	1009 ·70	1009 ·34
Mean (Mea Level)	1010 ·62	1010 ·47	1010 ·28	1010 ·30	1010 ·32	1010 ·41	1010 ·50	1010 ·64	1010 ·69	1010 ·72	1010 ·68	1010 ·61	1010 ·56	1010 ·52	1010 ·46	1010 ·37	1010 ·29	1010 ·30	1010 ·46	1010 ·71	1010 ·98	1011 ·07	1011 ·04	1010 ·95	1010 ·58

448 KEW OBSERVATORY: H_b = 10·4 metres — AUGUST, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	009·6	009·7	009·6	009·2	009·0	008·9	008·9	008·8	008·6	008·6	008·5	008·3	008·5	008·6	008·5	008·7	008·7	008·8	009·4	009·5	010·0	010·2	010·3	010·4	009·1
2	010·0	009·7	009·6	009·2	008·7	008·2	007·8	006·8	006·4	006·3	004·9	004·2	003·7	002·8	002·5	002·3	002·1	002·4	003·0	003·5	004·2	004·8	005·0	005·2	005·7
3	005·8	006·1	006·6	007·0	007·4	008·0	008·6	009·0	009·2	009·5	009·4	009·3	009·5	009·8	010·1	010·3	010·4	010·7	011·0	011·8	012·0	012·5	012·7	013·0	009·4
4	013·1	013·2	013·5	013·8	014·2	014·7	015·0	015·6	016·1	016·4	016·7	016·9	016·9	017·0	017·2	017·2	016·9	017·1	017·6	018·1	018·4	018·5	018·3	018·2	016·2
5	018·2	018·3	018·2	018·1	018·6	019·0	019·3	019·8	019·8	019·9	020·0	020·1	020·0	019·9	019·9	019·9	019·8	019·7	019·9	020·2	020·4	020·5	020·4	020·2	019·5
6	019·5	018·9	018·4	017·7	017·5	017·3	017·1	017·1	016·9	016·8	016·4	016·0	015·7	015·2	014·5	014·1	013·8	013·6	013·5	013·8	014·1	014·4	014·9	015·3	016·0
7	015·4	015·6	015·9	016·6	017·3	018·1	019·1	020·0	020·9	021·3	021·9	022·6	023·2	023·4	023·8	023·9	024·1	024·2	024·6	025·0	025·2	025·1	025·0	024·9	021·4
8	024·7	024·6	024·5	024·4	024·3	024·5	024·6	024·2	024·1	024·0	023·6	023·4	023·2	022·8	022·2	021·9	021·2	020·9	020·8	020·7	020·6	020·5	020·5	020·2	022·9
9	019·9	019·6	019·3	019·0	018·9	018·8	018·3	018·2	017·7	017·5	017·2	016·8	016·1	015·5	014·9	014·8	014·2	014·1	014·2	014·7	014·7	014·7	014·5	014·0	016·7
10	013·8	013·7	013·3	013·1	013·2	013·2	013·2	013·1	012·9	012·8	012·2	012·1	011·7	011·4	010·9	010·6	010·6	010·9	011·2	011·2	011·7	011·8	012·0	011·6	012·2
11	011·5	011·4	011·1	011·2	011·5	011·9	012·3	012·5	012·7	012·9	012·7	012·7	012·7	012·8	012·9	012·8	012·3	012·3	012·5	012·9	013·0	013·0	012·9	012·8	012·4
12	012·7	012·9	012·6	012·2	012·1	012·2	012·2	011·9	011·6	011·4	011·5	011·2	011·2	011·1	011·0	011·0	011·3	011·5	012·0	012·8	013·1	013·7	013·9	014·1	012·1
13	014·4	014·5	014·5	014·5	014·7	015·1	015·4	015·5	015·5	015·6	015·4	015·1	015·0	015·2	015·1	014·9	014·9	014·5	014·7	014·9	015·1	015·0	014·9	015·0	015·0
14	014·6	014·6	014·3	014·4	014·4	014·6	014·8	015·0	015·1	015·0	014·9	014·8	014·6	014·5	014·2	014·1	014·0	014·2	014·2	014·5	014·9	014·9	015·0	015·0	014·6
15	015·0	014·9	014·8	014·9	014·9	015·1	015·4	015·5	015·5	015·3	015·0	014·8	014·8	014·6	014·7	014·8	014·7	014·8	014·9	015·1	015·7	015·8	016·0	016·1	015·1
16	016·6	016·7	016·6	016·3	016·6	017·1	017·3	017·3	017·4	017·2	017·0	017·0	017·2	017·0	017·0	016·9	016·9	016·9	017·0	017·6	017·9	018·1	018·5	018·6	017·1
17	018·2	018·0	018·0	018·1	018·3	018·5	018·6	018·6	018·7	018·6	018·5	018·1	017·7	017·5	017·3	017·1	017·0	017·1	017·2	017·6	018·3	018·2	018·2	018·3	018·0
18	018·4	018·5	018·5	018·4	018·3	018·5	018·7	018·6	018·7	018·8	018·7	018·6	018·4	018·2	018·0	018·0	018·1	018·2	018·5	018·7	018·8	019·3	018·9	018·8	018·5
19	018·3	018·0	017·8	016·9	016·8	016·5	016·6	016·6	016·5	016·1	015·8	015·2	014·6	013·7	013·6	012·9	012·1	011·3	010·9	010·9	010·9	011·0	011·1	011·2	014·5
20	011·2	011·1	011·2	011·5	011·7	012·1	012·5	012·7	013·1	013·3	013·5	013·6	013·6	013·6	013·6	013·6	013·7	013·7	013·9	014·5	014·8	015·0	014·9	014·8	013·1
21	014·7	014·6	014·6	014·5	014·9	015·1	015·4	015·7	016·2	016·3	016·4	016·5	016·9	017·0	017·1	017·2	017·6	017·9	018·3	019·2	020·2	020·9	021·3	021·7	016·9
22	022·0	022·2	022·7	022·9	023·3	024·0	024·5	024·9	025·0	025·0	025·0	025·2	025·2	025·2	025·3	025·4	025·5	025·6	026·1	026·6	027·2	027·4	027·6	027·7	024·9
23	027·8	027·8	027·9	027·9	028·0	028·4	028·5	028·5	028·3	028·2	028·1	028·0	027·7	027·3	026·9	026·7	026·3	026·4	026·7	027·1	027·3	027·3	027·4	027·4	027·6
24	027·3	027·3	027·3	027·5	027·8	027·9	028·2	028·5	028·5	028·4	028·2	028·1	027·8	027·5	027·1	026·9	026·9	026·9	027·2	027·6	027·6	027·6	027·7	027·7	027·6
25	027·4	027·5	027·5	027·5	027·5	027·9	028·1	028·4	028·1	027·9	027·7	027·6	027·3	027·1	026·8	026·7	026·7	026·7	026·5	026·8	026·8	027·1	027·2	027·3	027·3
26	027·3	027·4	027·7	027·8	027·9	028·3	028·8	029·0	029·0	029·0	028·6	028·3	027·9	027·7	027·4	027·0	027·1	027·1	027·3	027·5	027·5	027·7	027·5	027·3	027·8
27	027·0	026·9	026·5	026·4	026·9	026·9	027·2	027·0	027·1	026·9	026·7	026·6	026·3	026·1	025·9	025·7	025·5	025·7	025·6	025·9	026·3	026·8	026·3	026·2	026·5
28	026·3	026·3	025·9	025·5	025·6	025·9	026·1	026·3	026·4	026·3	026·3	026·0	025·5	025·0	024·8	024·7	024·8	024·9	025·4	026·0	026·1	026·1	026·2	026·5	025·8
29	026·4	026·2	026·4	026·3	026·6	027·0	027·4	027·6	027·6	027·3	027·1	026·4	026·1	026·1	025·9	025·7	025·2	025·0	025·2	025·7	026·0	025·7	025·7	025·7	026·3
30	025·2	024·7	024·5	024·3	024·2	023·9	024·2	024·2	024·2	023·6	022·8	022·8	022·2	021·8	021·2	020·9	020·4	020·9	020·9	020·9	020·6	020·9	020·8	020·9	022·6
31	020·6	020·3	020·0	020·2	020·6	021·0	021·3	021·5	021·6	021·5	021·6	021·5	021·2	021·1	020·8	020·5	020·3	020·3	020·3	020·6	020·5	020·8	020·9	020·8	020·8
Mean (Station Level)	1018 ·48	1018 ·43	1018 ·36	1018 ·30	1018 ·44	1018 ·66	1018 ·88	1018 ·99	1019 ·02	1018 ·96	1018 ·78	1018 ·65	1018 ·46	1018 ·27	1018 ·10	1017 ·97	1017 ·84	1017 ·88	1018 ·08	1018 ·44	1018 ·71	1018 ·88	1018 ·92	1018 ·93	1018 ·51
Mean (Sea Level)	1019 ·74	1019 ·69	1019 ·62	1019 ·56	1019 ·71	1019 ·93	1020 ·14	1020 ·25	1020 ·27	1020 ·21	1020 ·02	1019 ·89	1019 ·70	1019 ·51	1019 ·33	1019 ·20	1019 ·07	1019 ·11	1019 ·32	1019 ·69	1019 ·96	1020 ·13	1020 ·17	1020 ·19	1019 ·76
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

449 KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres SEPTEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	020·3	020·2	020·1	019·7	020·1	020·3	020·4	020·6	020·7	020·8	020·7	020·4	020·4	019·6	019·2	018·7	018·4	017·6	017·1	018·0	017·7	017·2	016·6	016·0	019·3
2	015·6	014·9	014·4	013·8	013·6	013·9	013·8	013·5	013·9	013·6	013·3	013·2	013·2	013·1	013·1	012·8	012·5	012·0	012·1	012·3	012·4	012·4	012·2	011·6	013·3
3	010·8	010·6	009·9	009·6	009·4	009·0	008·8	008·5	007·9	007·6	007·2	006·7	006·4	006·2	006·0	005·1	004·6	004·2	004·2	005·3	005·3	005·1	004·9	004·9	007·1
4	004·6	004·2	004·0	003·9	003·6	003·4	002·9	002·2	001·0	000·4	000·4	000·4	000·5	000·8	001·3	001·6	001·8	002·2	002·5	003·2	003·2	003·0	002·8	002·6	002·4
5	002·0	001·1	000·3	999·5	999·1	999·0	999·0	999·1	999·3	999·0	999·4	999·6	000·2	000·3	000·4	000·4	000·7	001·7	002·5	003·3	003·9	004·4	004·7	005·1	000·9
6	005·2	005·4	005·8	006·4	007·0	007·4	008·1	008·4	008·4	008·6	008·8	008·7	008·8	008·4	008·2	007·6	007·1	006·4	005·9	005·2	004·3	002·2	000·6	998·8	006·5
7	996·8	994·4	991·8	989·4	987·2	987·1	988·6	991·1	993·0	994·2	995·5	996·2	996·8	997·3	997·7	998·0	998·5	999·1	999·2	999·4	999·9	000·3	000·5	000·6	996·5
8	000·6	000·2	000·3	000·2	000·2	000·1	000·1	000·3	000·4	000·7	001·4	001·8	002·8	004·0	005·2	006·0	006·6	007·6	008·6	009·3	009·9	010·3	011·0	011·5	003·9
9	011·8	012·4	012·5	012·6	013·3	013·4	014·2	014·5	015·0	015·3	015·4	015·3	015·2	014·8	014·7	014·2	014·2	014·5	015·0	015·3	015·4	015·4	015·4	015·4	014·3
10	015·2	014·8	014·6	014·4	013·9	014·0	014·1	014·3	014·8	014·7	014·7	014·7	014·8	014·6	014·8	014·9	015·1	015·4	015·9	016·4	016·8	017·0	016·9	016·7	015·1
11	016·5	016·2	016·2	016·2	016·1	016·3	016·6	016·6	016·6	016·4	016·2	016·1	015·8	015·6	015·5	015·2	015·1	014·9	015·2	015·2	015·4	015·1	014·9	015·0	015·8
12	014·8	014·6	014·3	014·0	013·9	013·9	014·3	014·4	014·8	014·4	014·0	014·2	014·2	014·0	013·7	013·4	013·3	013·8	014·1	014·5	014·3	014·4	014·5	014·6	014·2
13	014·6	014·5	014·7	014·6	014·7	015·3	015·5	015·8	016·4	016·8	016·9	016·9	016·9	016·8	016·9	016·8	016·9	017·2	017·7	018·3	018·4	018·7	018·8	019·0	016·5
14	019·0	019·0	018·9	018·8	018·8	019·1	019·4	019·5	019·8	019·6	019·3	019·0	018·9	018·5	018·3	018·4	018·5	018·5	018·9	019·3	019·6	019·6	019·7	019·7	019·1
15	019·3	019·1	019·1	019·3	019·4	019·8	020·2	020·6	021·0	021·0	021·3	021·2	021·2	020·9	020·7	021·3	021·6	022·3	022·9	023·4	023·8	024·3	024·3	024·1	021·2
16	024·5	024·6	024·7	024·7	024·7	024·9	025·2	025·8	025·7	025·6	025·3	024·9	024·2	023·9	023·4	023·3	022·9	023·3	023·9	023·3	023·6	023·4	023·1	023·0	024·3
17	022·5	022·1	022·1	021·7	021·6	021·5	021·7	021·8	022·1	022·1	021·4	021·2	020·9	020·5	020·0	019·7	019·8	020·3	020·7	020·6	020·7	020·6	020·8	020·4	021·2
18	020·2	020·1	019·8	019·7	019·5	019·9	020·2	020·2	019·9	019·9	019·7	019·5	019·4	019·2	019·3	019·1	019·4	019·8	020·3	020·6	021·0	020·9	020·9	020·9	020·0
19	021·1	021·2	021·4	021·4	021·4	021·9	022·6	023·1	023·5	023·4	023·4	022·9	022·8	022·5	022·5	022·3	022·0	021·9	022·4	023·1	023·5	023·0	022·9	022·5	022·4
20	022·5	022·4	022·4	022·2	021·9	021·6	021·6	021·2	020·9	020·4	019·6		019·4	018·6	018·0	017·6	017·6	017·4	017·2	016·8	016·3	016·0	015·6	015·4	019·5
21	015·4	015·2	014·9	015·0	015·1	015·7	016·3	016·8	017·6	018·0	018·6	019·2	019·3	019·6	020·0	020·5	021·4	022·4	023·4	024·4	025·2	025·8	026·3	026·7	019·5
22	026·9	027·3	027·4	027·7	027·7	028·0	028·3	028·9	029·3	029·3	029·3	029·2	028·8	028·4	028·1	027·8	027·6	027·7	028·3	028·5	028·3	028·3	028·0	027·9	028·2
23	027·8	027·5	026·9	026·6	026·4	026·5	026·4	026·4	026·0	025·8	025·3	024·6	023·8	023·0	021·9	021·3	020·9	020·6	020·5	020·4	020·2	019·5	018·8	018·2	023·8
24	017·9	017·0	016·1	015·6	015·2	014·8	014·6	014·4	014·2	013·8	013·2	012·6	011·6	011·0	010·4	010·0	009·7	010·0	010·2	010·2	010·0	009·6	009·4	009·0	012·7
25	008·6	008·2	008·0	007·8	008·0	008·2	008·6	009·1	009·6	010·4	010·4	010·5	010·3	010·5	010·7	010·9	011·0	011·3	011·5	012·3	012·9	013·2	013·5	013·6	010·3
26	013·7	014·3	014·8	015·2	015·8	016·4	017·3	017·9	018·5	018·7	019·1	018·9	018·4	018·2	017·9	017·6	017·7	018·1	017·8	018·1	017·9	017·8	017·6	016·7	017·2
27	015·7	015·2	014·7	014·1	012·6	012·2	011·6	011·1	010·4	009·4	008·2	007·3	006·3	005·8	006·2	006·3	006·7	007·4	007·8	008·3	008·6	008·9	009·5	010·1	009·9
28	010·6	011·1	011·4	012·0	012·3	012·9	013·4	014·0	014·7	014·9	015·6	016·4	017·2	017·8	018·6	019·2	019·8	020·6	021·4	022·6	023·2	023·4	023·8	024·1	016·8
29	024·2	024·2	023·9	023·7	023·9	024·3	024·4	024·4	024·6	024·5	024·3	024·2	024·0	023·6	023·7	023·8	023·9	024·1	024·4	024·8	024·8	024·8	024·8	024·2	024·2
30	024·8	024·6	024·0	023·5	023·4	023·5	023·7	024·0	024·2	024·2	023·8	023·5	023·2	023·1	023·1	023·1	023·1	023·4	023·5	023·6	023·7	023·6	023·5	023·4	023·7
Mean (Station Level)	1015 ·45	1015 ·22	1014 ·98	1014 ·78	1014 ·66	1014 ·81	1015 ·06	1015 ·30	1015 ·48	1015 ·47	1015 ·42	1015 ·30	1015 ·19	1015 ·02	1014 ·98	1014 ·90	1014 ·95	1015 ·19	1015 ·50	1015 ·87	1016 ·01	1015 ·94	1015 ·88	1015 ·74	1015 ·29
Mean (Sea Level)	1016 ·71	1016 ·48	1016 ·24	1016 ·04	1015 ·92	1016 ·07	1016 ·32	1016 ·55	1016 ·74	1016 ·72	1016 ·66	1016 ·54	1016 ·43	1016 ·26	1016 ·22	1016 ·14	1016 ·19	1016 ·44	1016 ·75	1017 ·12	1017 ·26	1017 ·20	1017 ·14	1017 ·00	1016 ·55

450 KEW OBSERVATORY: H_b = 10·4 metres OCTOBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	023·3	022·9	022·8	022·6	022·8	023·1	023·3	023·4	023·6	023·6	023·8	023·7	023·5	023·3	023·3	023·3	023·5	023·7	024·0	024·2	024·5	024·6	024·2	024·2	023·5
2	024·3	024·1	023·8	023·8	023·8	024·1	024·1	024·3	024·9	025·0	025·0	025·0	024·8	024·6	024·5	024·7	025·0	025·2	025·9	026·1	026·2	026·2	026·1	026·0	024·9
3	025·9	025·8	025·5	025·0	025·1	025·6	026·0	026·1	026·0	025·7	025·4	024·8	023·9	023·3	022·9	022·6	022·2	022·4	022·1	022·1	021·8	021·6	021·3	020·9	024·0
4	020·5	020·1	019·8	019·1	019·0	018·8	018·6	018·5	018·1	017·8	017·7	017·1	016·1	015·8	015·3	014·8	014·7	014·7	015·1	015·1	015·1	015·1	015·1	015·2	017·1
5	015·3	014·9	014·9	014·8	014·7	015·1	015·4	015·7	016·0	016·5	016·7	016·7	016·9	017·1	017·2	017·2	017·5	017·5	017·8	018·3	018·5	018·8	018·7	019·2	016·6
6	019·3	019·1	019·0	019·3	019·5	019·8	020·2	020·6	020·9	020·9	020·8	021·1	021·1	021·6	021·4	021·4	021·8	022·3	022·6	022·8	023·2	023·1	023·2	023·2	021·1
7	023·1	022·8	022·7	022·7	022·9	023·0	023·3	023·3	023·3	023·4	023·5	023·3	022·8	022·7	022·3	022·2	022·5	022·6	022·7	022·6	022·4	022·4	021·7	021·5	022·8
8	021·2	020·4	020·5	020·5	020·6	020·7	021·2	021·3	021·3	021·3	021·2	021·1	020·8	020·5	020·0	019·9	020·2	020·5	020·5	020·6	020·5	020·4	020·2	020·2	020·7
9	020·4	020·1	019·8	019·8	019·7	019·7	020·1	020·1	020·3	020·4	020·2	019·8	019·4	019·3	019·0	018·8	019·0	019·4	019·6	019·7	019·9	020·1	020·2	020·1	019·8
10	020·3	020·3	020·2	020·2	020·3	020·6	021·2	021·6	022·0	022·3	022·2	021·7	021·7	021·6	021·2	021·3	021·4	021·8	022·2	022·5	022·8	022·9	022·9	022·9	021·5
11	023·0	023·0	023·0	023·3	023·9	024·3	025·1	025·3	025·5	025·7	025·5	025·2	025·1	025·0	025·0	024·9	025·2	025·7	025·9	026·4	026·3	026·5	026·2	026·2	025·0
12	026·1	025·5	025·3	025·1	024·9	024·7	024·7	024·7	024·5	024·4	024·3	023·5	022·8	022·7	021·9	021·5	021·5	021·7	021·8	021·7	021·3	021·3	021·0	020·8	023·3
13	020·4	019·9	019·5	019·2	015·7	018·3	018·4	018·4	018·7	018·7	018·4	018·2	017·9	017·7	017·8	017·8	018·3	018·8	018·7	018·7	018·7	018·6	018·5	018·3	018·7
14	018·0	017·8	017·3	016·5	016·0	015·4	015·3	015·1	014·6	014·2	013·4	012·4	011·7	011·6	011·0	011·0	011·0	011·8	012·2	012·7	013·2	013·5	013·7	013·9	014·0
15	014·5	014·6	014·8	015·2	015·2	015·2	015·3	015·6	016·0	016·2	016·2	015·9	015·8	015·8	016·2	016·4	016·9	017·6	018·4	018·7	019·3	019·5	019·7	019·8	016·5
16	020·2	020·3	020·2	020·4	020·4	020·9	021·2	021·7	021·6	021·8	021·7	021·6	021·8	021·7	021·3	021·3	021·3	021·4	021·7	022·1	021·7	021·6	021·3	021·3	021·2
17	020·9	020·5	019·7	018·9	018·5	018·2	018·0	018·0	017·9	017·6	017·2	016·4	015·8	014·9	014·2	013·3	012·8	012·4	012·0	011·6	011·1	010·2	009·6	010·2	015·6
18	011·1	011·4	012·0	012·6	013·3	014·0	015·7	016·7	017·6	018·2	018·4	018·8	018·9	018·7	018·7	018·8	019·1	019·7	020·0	020·2	020·2	019·7	019·6	019·2	017·0
19	018·4	017·2	015·6	014·2	012·8	011·4	010·2	009·2	007·8	007·2	006·4	005·8	005·6	005·6	006·1	006·6	007·2	009·7	011·1	012·6	013·3	014·1	014·8	015·6	010·8
20	016·2	016·6	017·4	017·9	018·3	018·7	019·2	020·5	020·9	021·1	021·5	021·7	021·8	021·8	021·8	021·9	022·1	022·7	022·9	023·1	023·0	022·9	022·8	022·7	020·7
21	022·4	022·1	021·9	021·7	021·5	021·4	021·7	022·1	022·5	022·2	022·3	022·1	021·8	021·7	021·4	021·2	021·2	021·7	021·9	022·1	022·3	022·9	023·0	023·1	022·0
22	023·1	022·8	022·7	022·7	022·9	023·0	023·6	024·0	024·0	024·0	023·9	023·6	023·1	023·1	023·0	023·0	022·9	022·9	022·9	022·9	022·9	023·1	022·8	022·4	023·1
23	021·9	021·7	021·1	021·2	020·9	020·6	020·7	020·7	020·7	020·8	020·5	020·0	019·4	019·2	018·7	018·4	018·5	018·6	018·7	018·6	018·6	018·1	017·9	017·7	019·8
24	017·3	017·6	017·7	017·8	017·9	018·0	018·2	018·7	018·8	019·1	018·6	017·7	016·8	015·6	015·0	014·4	014·1	014·0	013·4	013·0	011·8	010·0	008·8	007·8	015·7
25	006·8	005·0	003·6	002·2	000·6	999·1	999·1	000·6	001·6	002·1	002·7	003·0	002·9	002·9	003·0	003·7	003·7	004·3	005·1	006·0	006·4	006·9	007·5	007·9	003·6
26	008·2	008·6	007·9	007·8	007·1	006·2	005·8	004·6	003·4	001·3	999·5	997·9	997·2	996·5	996·1	996·1	996·2	996·0	996·1	996·3	996·4	996·5	997·4	998·2	000·9
27	999·6	000·7	001·4	002·2	003·4	004·8	006·0	007·2	007·8	008·4	008·7	008·1	007·7	007·1	006·4	006·1	005·1	004·3	005·6	005·8	006·0	006·7	007·5	008·2	005·4
28	008·7	009·6	010·3	010·8	011·7	012·8	014·1	015·1	016·2	017·2	017·4	017·9	017·9	018·4	019·5	020·4	021·2	022·0	022·6	023·2	024·1	024·5	024·9	025·5	017·4
29	025·7	026·1	026·2	026·2	026·7	027·1	027·4	027·6	027·5	027·4	026·8	026·1	025·6	025·0	024·7	024·5	024·3	024·2	024·1	024·0	024·1	023·8	023·8	023·8	025·6
30	023·8	023·6	023·2	023·0	023·3	022·9	023·1	023·2	023·2	022·6	022·2	021·5	020·5	020·1	019·8	019·2	019·0	019·0	018·7	018·5	017·9	017·3	016·6	015·9	020·9
31	015·5	015·2	014·8	014·3	014·1	013·9	014·0	014·0	013·8	014·0	014·7	015·0	015·4	016·1	017·3	018·2	019·4	020·6	021·2	021·6	021·8	022·4	022·9	023·2	017·1
Mean (Station Level)	1018 ·56	1018 ·40	1018 ·21	1018 ·10	1018 ·08	1018 ·11	1018 ·39	1018 ·64	1018 ·74	1018 ·75	1018 ·61	1018 ·28	1017 ·95	1017 ·77	1017 ·61	1017 ·58	1018 ·70	1018 ·04	1018 ·31	1018 ·51	1018 ·56	1018 ·56	1018 ·51	1018 ·55	1018 ·27
Mean (Sea Level)	1019 ·85	1019 ·69	1019 ·50	1019 ·39	1019 ·37	1019 ·40	1019 ·68	1019 ·93	1020 ·02	1020 ·02	1019 ·88	1019 ·55	1019 ·22	1019 ·04	1018 ·88	1018 ·85	1018 ·97	1019 ·31	1019 ·58	1019 ·79	1019 ·84	1019 ·84	1019 ·80	1019 ·84	1019 ·55
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb is written 005·6. This rule does not, however, apply to monthly means

PRESSURE
Readings in millibars at exact hours, Greenwich Mean Time

451 KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.)

NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	023·6	024·0	024·2	023·9	024·1	024·5	024·6	024·7	025·0	024·5	024·3	023·8	022·8	022·0	020·9	020·9	020·6	020·6	019·4	018·6	017·9	017·4	016·4	015·6	022·0
2	015·2	014·9	014·7	014·7	014·5	014·5	015·1	015·4	015·8	016·3	016·8	016·2	016·3	016·6	017·0	017·5	017·7	017·9	017·7	017·7	017·5	017·5	017·3	016·7	016·3
3	015·8	015·8	015·0	014·3	014·1	013·8	013·3	013·6	013·3	013·2	013·1	012·4	012·2	012·1	012·1	012·3	012·6	012·9	013·0	013·0	013·0	012·9	013·1	013·1	013·4
4	013·0	012·9	012·9	012·8	013·0	013·4	013·7	014·2	014·3	014·3	013·9	013·6	013·3	013·1	012·7	012·5	012·3	012·6	012·6	012·2	012·0	011·6	011·0	010·7	012·9
5	009·9	009·4	008·5	007·8	007·4	006·4	006·0	005·6	005·4	005·4	005·3	004·8	004·1	003·5	003·2	003·0	002·8	002·8	002·3	002·0	001·8	001·4	001·0	000·4	004·8
6	999·9	999·1	998·3	997·6	996·8	996·0	995·4	994·6	993·7	992·6	991·2	989·7	988·4	987·1	985·8	984·8	983·6	982·4	980·6	980·0	980·4	981·2	981·3	981·5	989·6
7	981·4	981·4	981·4	981·1	981·1	981·2	981·1	981·2	981·0	981·0	980·8	980·2	979·1	978·6	978·3	978·0	977·6	977·4	977·3	977·1	977·2	976·8	977·3	978·0	979·5
8	978·3	978·9	980·0	981·1	982·1	983·3	984·0	984·9	985·8	986·3	986·8	986·7	987·1	987·4	988·2	988·9	989·1	989·1	989·6	989·6	988·6	988·1	986·9	985·7	985·5
9	984·2	983·4	983·8	984·2	984·3	984·7	985·6	986·3	986·4	986·8	987·7	987·9	988·2	988·5	989·4	990·1	990·8	991·7	992·4	993·2	993·9	994·3	995·2	995·6	988·5
10	996·2	996·3	996·4	996·8	997·4	998·2	999·0	999·8	000·4	001·0	001·4	001·7	002·0	002·4	002·8	003·2	004·0	004·4	004·8	005·3	005·7	005·8	006·1	006·2	001·3
11	006·3	006·6	006·6	006·0	006·1	005·2	004·8	004·1	003·6	002·8	001·7	000·3	998·8	996·7	994·5	992·5	991·1	989·3	987·6	986·4	985·6	985·3	985·1	984·9	997·6
12	984·3	984·0	983·4	982·4	982·2	982·1	982·5	982·9	982·9	983·3	983·7	984·1	984·4	984·9	985·3	986·3	987·1	987·9	988·5	989·6	990·9	992·5	994·4	996·2	985·8
13	997·8	998·9	000·4	002·1	003·6	005·1	006·6	008·3	009·6	011·2	012·4	013·2	014·1	014·4	015·7	016·1	017·0	017·5	018·5	018·7	019·4	019·8	019·8	020·1	011·2
14	019·9	019·9	019·5	019·3	019·0	018·6	018·3	017·6	017·1	017·5	017·1	017·0	016·5	016·7	017·4	017·7	018·7	019·3	019·8	020·7	021·3	021·6	022·1	022·7	018·9
15	023·4	023·4	023·7	023·7	024·1	024·1	024·3	024·3	024·1	023·6	022·9	022·1	021·0	019·9	019·3	018·9	018·1	017·5	016·5	015·8	014·9	014·0	013·2	012·7	020·4
16	012·2	012·2	011·8	011·6	011·8	012·1	012·2	012·3	012·8	013·1	013·2	013·1	012·8	012·7	012·6	012·6	012·5	012·4	012·2	012·0	011·6	011·4	011·2	010·7	012·3
17	010·3	010·1	009·8	009·8	009·6	009·5	009·7	009·9	009·6	009·5	009·2	008·3	007·6	007·4	007·0	006·8	007·0	007·1	006·6	007·1	007·9	008·4	008·9	009·3	008·6
18	009·4	009·4	009·6	009·5	009·7	010·5	011·2	011·6	012·4	013·1	013·5	013·4	013·3	013·3	013·3	013·7	014·5	015·1	015·2	015·6	015·8	016·1	016·5	016·7	012·9
19	016·8	017·2	017·5	017·6	017·9	018·6	019·2	019·8	020·4	021·1	021·5	021·6	022·1	023·1	023·3	023·9	024·5	025·2	025·9	026·5	027·1	027·3	028·1	028·9	022·0
20	028·7	029·7	030·1	030·2	030·5	031·4	032·2	032·6	033·0	033·5	033·5	033·7	033·6	033·6	034·0	034·0	033·9	034·0	034·2	034·6	034·4	034·5	034·5	034·4	032·8
21	033·7	033·8	033·8	033·6	033·6	033·0	033·0	033·3	033·1	033·1	032·7	032·3	031·7	031·4	031·2	030·8	030·8	031·3	031·2	030·9	030·7	030·5	030·4	030·2	032·2
22	030·0	029·7	029·3	028·9	028·5	028·0	027·8	027·7	027·8	027·5	027·1	026·3	025·8	025·5	025·3	025·3	025·5	025·4	025·6	025·2	025·0	024·6	024·3	024·0	026·8
23	023·4	023·3	023·1	022·7	022·2	022·1	021·9	022·3	022·1	021·7	021·4	020·3	019·9	019·3	019·0	018·8	018·9	019·0	018·7	018·6	018·3	018·0	017·7	017·4	020·6
24	017·1	017·0	016·8	016·8	016·7	016·8	017·2	017·8	018·1	018·0	018·2	018·4	018·1	018·0	018·2	018·6	019·1	019·5	019·7	020·1	020·3	020·7	020·7	020·6	018·3
25	020·6	020·6	020·6	020·5	020·7	020·8	021·1	021·3	021·6	022·1	021·6	021·2	020·6	020·3	020·1	020·1	019·9	019·8	019·8	019·8	019·8	019·4	019·4	019·2	020·5
26	018·7	018·6	018·4	018·2	018·0	017·6	017·6	017·6	017·8	017·8	017·5	017·0	016·5	016·3	016·2	016·3	016·5	016·3	016·6	016·7	017·1	017·0	016·9	017·0	017·3
27	016·9	017·1	017·2	016·9	016·9	017·2	017·4	017·4	017·9	018·2	018·2	018·2	017·6	017·5	017·6	017·9	018·2	018·4	018·6	018·8	019·3	019·3	019·2	019·4	017·9
28	019·4	019·7	019·8	020·0	020·1	020·6	021·1	021·6	022·3	022·8	023·0	022·9	022·7	023·2	023·4	024·3	024·9	025·1	025·2	025·2	025·2	026·3	026·7	026·9	022·9
29	026·1	026·3	026·3	026·1	026·1	025·6	024·4	024·8	024·9	024·1	022·7	021·9	021·0	019·8	019·3	018·6	018·1	017·8	017·1	017·0	016·2	016·2	015·7	015·7	021·5
30	015·3	015·4	015·0	014·3	013·8	014·0	013·8	014·2	014·3	014·4	013·7	012·7	012·3	011·9	011·3	011·3	011·8	012·4	012·7	013·2	013·7	014·1	014·5	015·2	013·6
Mean (Station Level)	1011 ·59	1011 ·63	1011 ·60	1011 ·48	1011 ·53	1011 ·63	1011 ·80	1012 ·05	1012 ·21	1012 ·33	1012 ·20	1011 ·83	1011 ·46	1011 ·24	1011 ·15	1011 ·19	1011 ·31	1011 ·40	1011 ·33	1011 ·37	1011 ·45	1011 ·49	1011 ·50	1011 ·51	1011 ·60
Mean (Sea Level)	1012 ·88	1012 ·92	1012 ·89	1012 ·77	1012 ·82	1012 ·92	1013 ·09	1013 ·35	1013 ·50	1013 ·62	1013 ·48	1013 ·11	1012 ·74	1012 ·52	1012 ·42	1012 ·47	1012 ·59	1012 ·69	1012 ·61	1012 ·66	1012 ·74	1012 ·77	1012 ·79	1012 ·79	1012 ·88

452 KEW OBSERVATORY: H_b = 10·4 metres

DECEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	015·1	015·4	015·6	015·7	016·2	016·3	016·8	017·5	018·0	018·0	018·5	018·1	017·7	017·7	017·1	017·1	017·1	016·9	016·7	016·2	016·0	015·6	014·9	014·5	016·6
3	014·0	013·4	012·3	012·1	011·2	010·0	008·9	007·7	007·0	006·3	005·9	005·7	005·8	005·9	006·2	006·6	007·2	007·6	007·8	008·1	008·2	008·5	008·5	008·8	008·6
3	009·5	009·9	010·3	010·6	011·0	010·6	011·1	011·5	012·2	012·6	012·5	012·2	012·4	012·4	012·1	012·2	012·2	012·1	011·9	011·4	011·2	010·7	010·1	009·5	008·8	011·2
4	008·5	008·1	007·7	007·4	007·3	008·4	009·6	010·8	012·2	013·7	014·2	015·1	015·4	016·4	017·4	018·0	018·7	018·7	019·0	018·8	018·6	018·1	017·6	016·2	013·8
5	015·3	014·5	013·0	011·5	010·1	008·9	007·9	007·0	006·5	006·5	005·7	005·4	005·5	005·8	006·2	006·9	007·2	007·6	008·2	008·3	008·2	008·0	007·8	007·2	008·5
6	006·6	007·6	007·2	006·4	005·6	005·4	005·7	006·2	007·4	008·7	008·8	009·8	010·8	011·6	012·7	013·6	014·9	016·2	017·3	018·2	019·3	020·2	021·0	021·6	011·5
7	022·6	023·5	024·2	024·9	025·4	026·1	026·7	027·2	028·1	028·4	028·7	028·6	028·4	028·7	029·2	029·5	029·9	030·0	030·6	031·0	031·2	031·1	031·0	030·8	028·0
8	030·4	030·0	029·3	028·8	028·2	027·6	027·4	026·4	026·5	025·6	024·7	023·6	023·2	022·4	021·8	021·8	022·2	022·6	022·9	023·0	023·5	024·2	024·4	024·1	025·3
9	024·2	024·3	025·6	025·4	025·2	026·5	026·7	026·9	027·7	028·3	028·4	028·7	028·4	028·5	028·7	028·9	029·1	029·7	029·8	030·0	030·2	030·5	030·4	030·0	027·9
10	029·7	029·7	029·6	029·3	029·2	028·7	028·3	028·1	028·1	027·9	027·4	026·4	025·6	024·4	024·0	023·7	023·3	022·2	021·6	020·8	020·3	020·0	019·9	019·5	025·5
11	018·7	018·1	017·8	017·3	017·1	016·6	016·8	016·7	016·8	016·7	016·2	015·4	014·7	014·0	014·0	014·3	014·3	014·0	013·8	013·6	013·1	012·9	012·5	012·2	015·5
12	011·5	011·1	010·9	010·3	009·9	009·3	009·1	008·9	009·0	009·2	009·1	008·5	007·7	007·3	007·1	007·2	007·3	007·4	007·7	008·1	008·6	009·3	009·7	010·1	009·0
13	010·4	010·6	010·8	010·9	011·3	011·4	011·7	011·7	011·7	011·4	011·1	010·3	009·3	008·2	007·5	006·8	005·7	004·4	003·2	001·9	000·3	999·1	997·3	995·1	007·5
14	993·5	992·2	991·0	989·6	989·0	988·3	988·1	987·9	988·2	988·2	987·3	986·6	985·5	984·8	984·3	984·2	984·6	985·3	986·5	987·2	987·7	988·2	988·4	988·4	987·8
15	988·7	990·3	992·8	994·9	997·7	996·6	001·2	002·5	004·0	005·2	005·7	006·2	006·3	006·7	006·7	006·9	007·1	006·9	006·7	005·8	005·1	004·2	003·2	002·2	002·1
16	000·8	999·3	998·2	997·0	996·0	995·4	994·8	994·6	995·1	996·2	996·9	997·3	997·7	998·6	000·2	001·6	002·9	003·9	005·2	006·2	007·0	008·3	008·9	009·5	000·3
17	010·3	010·8	011·0	010·9	010·3	009·6	008·7	008·0	007·5	006·6	005·1	003·6	002·8	002·5	003·0	003·5	003·6	004·0	004·2	004·7	005·2	005·6	006·4	006·8	006·5
18	007·0	007·2	007·7	007·6	007·6	007·7	007·9	008·4	008·8	009·3	009·4	009·4	009·7	009·9	010·5	011·3	012·0	012·9	013·9	014·8	015·8	016·5	017·6	018·2	010·6
19	018·9	019·8	020·7	021·7	022·8	023·8	025·0	026·4	027·9	028·7	029·4	029·6	029·7	030·0	030·1	030·4	030·8	031·0	030·8	030·8	030·2	029·9	029·7	029·6	027·2
20	029·2	028·4	028·2	027·6	026·8	026·8	026·8	026·7	026·3	026·3	026·1	025·2	024·9	024·3	023·7	023·5	023·6	023·4	023·7	023·7	023·6	023·2	023·2	022·9	025·5
21	023·0	023·1	023·0	022·9	022·4	022·4	022·6	022·8	023·1	023·8	024·1	023·8	023·3	023·2	023·2	023·1	023·2	023·3	024·0	024·0	023·8	024·0	023·9	023·9	023·3
22	023·7	023·7	023·6	023·4	023·3	023·4	023·9	024·0	024·5	024·8	025·1	024·8	024·3	024·2	024·4	024·7	024·8	024·9	028·7	028·3	029·0	029·4	030·1	030·6	025·3
23	031·5	032·2	033·1	033·7	034·4	035·1	036·1	036·9	037·6	038·4	038·8	038·5	038·3	038·5	038·8	039·0	038·9	039·1	039·2	039·1	039·1	039·1	038·9	038·8	037·0
24	038·7	038·3	037·9	037·1	036·9	036·6	036·8	036·4	036·7	036·6	036·3	035·9	034·9	034·4	034·3	034·3	034·4	034·4	034·5	034·3	034·3	034·3	034·2	034·0	035·8
25	033·5	033·4	033·4	033·2	033·0	033·3	033·7	033·8	033·9	034·2	034·5	034·3	034·1	034·1	034·2	034·8	034·9	035·1	035·3	035·5	035·5	035·8	036·0	035·9	034·4
26	039·5	035·4	035·3	034·8	034·5	034·3	034·5	034·8	035·0	035·0	034·8	034·2	033·6	033·3	033·2	033·1	032·8	032·6	032·6	032·2	031·7	031·7	031·6	031·1	033·7
27	030·8	030·7	030·5	030·2	030·0	029·8	029·5	029·6	029·5	029·4	028·9	028·3	027·8	027·2	027·1	027·1	026·9	026·8	026·8	026·2	025·9	025·7	025·6	025·0	028·3
28	024·8	024·3	023·6	023·4	022·9	022·3	022·1	022·2	022·3	022·0	021·5	020·6	019·6	018·9	018·4	018·2	017·9	017·4	017·0	016·9	016·6	016·2	015·5	014·6	020·2
29	014·2	013·4	012·9	012·3	012·0	012·6	012·8	013·4	014·3	014·9	015·2	015·1	015·1	015·4	015·9	016·3	016·4	016·4	016·4	016·8	016·9	016·8	016·5	016·5	014·9
30	016·8	017·5	018·7	019·8	021·2	022·3	023·3	024·6	025·7	026·4	026·7	026·6	026·4	026·7	026·7	026·9	027·1	027·2	027·3	027·2	027·3	027·3	027·2	026·9	024·5
31	026·8	026·7	026·6	026·2	025·9	025·6	025·5	025·6	025·7	025·8	025·1	024·2	023·7	023·5	023·5	022·9	022·8	022·5	022·2	021·7	021·7	021·1	020·9	020·2	024·2
Mean (Station Level)	1018 ·20	1018 ·16	1018 ·15	1017 ·96	1017 ·88	1017 ·89	1018 ·06	1018 ·23	1018 ·62	1018 ·87	1018 ·78	1018 ·45	1018 ·15	1018 ·05	1018 ·14	1018 ·34	1018 ·51	1018 ·59	1018 ·81	1018 ·85	1018 ·86	1018 ·87	1018 ·78	1018 ·52	1018 ·40
Mean (Sea Level)	1019 ·50	1019 ·46	1019 ·45	1019 ·27	1019 ·19	1019 ·20	1019 ·37	1019 ·53	1019 ·93	1020 ·17	1020 ·07	1019 ·75	1019 ·44	1019 ·34	1019 ·43	1019 ·63	1019 ·80	1019 ·89	1020 ·10	1020 ·15	1020 ·16	1020 ·17	1020 ·08	1019 ·82	1019 ·70
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

PRESSURE AT STATION LEVEL AND AT SEA LEVEL
ANNUAL MEANS FROM HOURLY VALUES
From readings in millibars at exact hours, Greenwich Mean Time

453 KEW OBSERVATORY: H_b = 10·4 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Station Level	mb 012·54	mb 012·42	mb 012·27	mb 012·16	mb 012·16	mb 012·28	mb 012·42	mb 012·61	mb 012·75	mb 012·80	mb 012·73	mb 012·54	mb 012·27	mb 012·08	mb 011·99	mb 011·94	mb 011·99	mb 012·14	mb 012·35	mb 012·58	mb 012·74	mb 012·80	mb 012·81	mb 012·76	mb 012·42
Sea Level	013·82	013·70	013·55	013·44	013·44	013·54	013·70	013·89	014·02	014·07	014·00	013·80	013·53	013·34	013·25	013·20	013·25	013·40	013·62	013·85	014·01	014·07	014·09	014·04	013·69

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

454 KEW OBSERVATORY: H_b = 10·4 metres 1936

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
Jan.	999·46	+0·29	+0·16	+0·09	-0·12	-0·33	-0·46	-0·45	-0·13	+0·06	+0·22	+0·32	+0·12	-0·29	-0·50	-0·37	-0·35	-0·19	-0·07	+0·05	+0·18	+0·28	+0·41	+0·55	+0·52
Feb.	1005·52	+0·38	+0·26	-0·07	-0·28	-0·35	-0·35	-0·32	-0·09	+0·11	+0·24	+0·33	+0·17	-0·13	-0·39	-0·49	-0·47	-0·29	-0·02	+0·15	+0·25	+0·23	+0·31	+0·38	+0·43
Mar.	1009·40	+0·28	+0·10	-0·14	-0·30	-0·33	-0·27	-0·05	+0·15	+0·29	+0·34	+0·32	+0·21	-0·15	-0·46	-0·57	-0·60	-0·51	-0·21	+0·07	+0·25	+0·38	+0·41	+0·40	+0·36
Apr.	1013·47	+0·03	-0·12	-0·24	-0·28	-0·19	+0·11	+0·34	+0·47	+0·59	+0·60	+0·49	+0·29	+0·01	-0·23	-0·47	-0·65	-0·71	-0·61	-0·34	+0·02	+0·18	+0·24	+0·26	+0·20
May	1014·89	+0·21	+0·07	-0·07	-0·10	+0·02	+0·24	+0·44	+0·52	+0·50	+0·42	+0·31	+0·08	-0·23	-0·47	-0·69	-0·81	-0·83	-0·68	-0·42	-0·02	+0·32	+0·40	+0·43	+0·34
June	1014·59	+0·26	+0·13	-0·09	-0·15	-0·08	+0·04	+0·16	+0·28	+0·31	+0·32	+0·19	+0·06	-0·11	-0·31	-0·45	-0·63	-0·72	-0·57	-0·36	+0·01	+0·33	+0·42	+0·50	+0·47
July	1009·34	+0·10	-0·06	-0·25	-0·23	-0·22	-0·14	-0·05	+0·08	+0·13	+0·16	+0·11	+0·04	-0·02	-0·06	-0·13	-0·22	-0·31	-0·31	+0·15	+0·08	+0·34	+0·42	+0·39	+0·28
Aug.	1018·51	+0·13	+0·06	-0·02	-0·09	+0·03	+0·24	+0·45	+0·54	+0·55	+0·48	+0·28	+0·14	-0·06	-0·27	-0·46	-0·60	-0·74	-0·72	-0·53	-0·19	+0·06	+0·22	+0·24	+0·24
Sept.	1015·29	+0·20	-0·04	-0·28	-0·49	-0·61	-0·46	-0·21	+0·02	+0·20	+0·18	+0·13	0·00	-0·11	-0·28	-0·32	-0·41	-0·36	-0·12	+0·19	+0·55	+0·68	+0·61	+0·55	+0·41
Oct.	1018·27	+0·29	+0·12	-0·06	-0·18	-0·19	-0·16	+0·12	+0·37	+0·47	+0·47	+0·33	+0·01	-0·32	-0·50	-0·66	-0·69	-0·57	-0·23	+0·04	+0·24	+0·29	+0·29	+0·24	+0·28
Nov.	1011·60	-0·13	-0·08	-0·10	-0·21	-0·15	-0·04	+0·15	+0·41	+0·57	+0·71	+0·59	+0·23	-0·13	-0·34	-0·42	-0·37	-0·24	-0·13	-0·19	-0·14	-0·05	0·00	+0·02	+0·04
Dec.	1018·40	-0·13	-0·18	-0·20	-0·38	-0·47	-0·47	-0·30	-0·14	+0·24	+0·49	+0·38	+0·05	-0·26	-0·37	-0·29	-0·09	+0·07	+0·15	+0·36	+0·40	+0·40	+0·40	+0·31	+0·03
Year	1012·42	+0·16	+0·03	-0·12	-0·23	-0·24	-0·14	+0·02	+0·20	+0·34	+0·39	+0·31	+0·12	-0·15	-0·35	-0·44	-0·49	-0·45	-0·30	-0·09	+0·13	+0·29	+0·35	+0·35	+0·30

† See page 28

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY
Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time

455 KEW OBSERVATORY: H_b = 10·4 metres 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	991·2	985·4	995·4	982·3	992·3	985·8	011·0	003·2	027·8	026·2	014·4	012·5	005·0	003·5	010·6	008·3	020·9	015·7	024·7	022·5	025·2	015·6	018·5	014·4
2	991·6	985·2	996·0	981·7	005·3	992·3	019·5	003·2	027·8	026·0	012·7	008·3	005·1	002·0	010·4	002·0	016·0	011·5	026·3	023·7	018·1	014·4	014·6	005·4
3	003·1	990·8	010·7	996·0	011·0	005·3	019·4	014·1	027·2	021·1	008·3	005·5	009·0	005·1	013·0	005·2	011·6	004·0	026·1	020·9	016·7	012·0	012·7	008·8
4	016·3	003·1	020·7	010·7	014·1	010·4	019·2	012·4	021·1	011·3	015·0	008·1	014·7	008·9	018·5	013·0	004·9	000·2	020·9	014·5	014·4	010·6	019·1	007·2
5	016·1	993·6	026·8	020·6	010·7	009·2	025·4	019·0	011·3	005·2	016·5	013·1	016·3	014·7	020·6	018·1	005·1	998·9	019·2	014·6	010·7	000·6	016·2	005·2
6	993·7	988·2	032·9	026·8	011·8	008·8	025·4	015·7	010·1	004·9	016·2	012·7	016·1	011·9	020·2	013·4	008·9	998·8	023·3	019·0	000·4	979·8	021·6	005·0
7	994·2	988·6	033·2	028·5	011·6	007·7	016·3	013·4	014·5	009·9	016·3	011·7	011·9	005·1	025·2	015·3	000·6	986·9	023·6	021·5	981·6	976·7	031·3	021·6
8	000·5	994·2	028·5	017·1	011·8	008·0	019·2	016·0	014·3	012·8	021·2	016·3	010·2	006·7	024·9	020·2	011·5	000·0	021·5	019·9	989·9	978·0	030·8	021·7
9	001·6	989·4	017·1	009·5	011·3	006·7	022·2	019·1	014·1	012·9	021·1	015·7	009·2	006·8	020·2	014·0	015·5	011·5	020·5	018·7	995·6	983·3	030·6	023·9
10	005·5	993·0	017·2	010·6	010·4	008·0	022·3	016·7	016·2	013·9	018·1	015·6	008·9	005·9	014·0	010·5	017·1	013·8	023·0	020·0	006·3	995·6	030·0	019·4
11	023·1	005·5	016·3	009·1	010·5	008·6	016·8	009·7	018·0	015·8	017·8	013·1	011·0	008·2	013·1	011·1	016·8	014·8	026·5	022·9	006·7	984·9	019·5	012·2
12	023·9	022·3	021·2	012·9	014·6	010·4	009·7	007·2	017·8	016·2	013·9	012·1	011·3	002·9	014·1	010·9	015·0	013·2	026·3	020·7	996·2	981·9	012·2	007·0
13	023·8	021·6	020·9	015·5	019·4	014·3	007·2	002·0	018·8	017·0	015·4	013·2	009·0	002·0	015·6	014·1	019·1	014·4	020·8	017·6	020·1	996·2	011·8	995·1
14	026·6	023·5	015·5	001·1	024·5	019·4	003·0	001·9	020·2	017·2	017·4	011·4	010·2	001·4	015·3	014·0	019·9	018·3	018·3	010·8	022·7	016·4	995·1	984·0
15	025·8	011·5	001·1	997·1	024·4	022·4	001·9	997·8	017·2	010·0	016·6	010·0	006·0	989·5	016·1	014·6	024·4	018·9	019·9	013·9	024·5	012·7	007·2	988·4
16	011·5	994·1	999·6	995·4	024·6	022·7	002·6	998·6	010·0	006·7	017·6	016·1	014·5	006·0	018·6	016·1	026·0	022·9	022·2	019·7	013·3	010·7	009·5	994·4
17	000·0	991·4	996·2	991·0	024·1	021·5	012·8	002·6	012·5	008·3	020·4	015·6	013·7	002·9	018·7	016·9	023·0	019·7	021·4	009·5	010·7	006·2	011·1	002·4
18	998·3	993·5	991·0	983·5	022·5	015·2	015·4	012·8	019·8	012·1	023·0	019·8	004·4	000·5	019·4	017·9	021·2	019·0	020·3	010·2	016·7	009·2	018·2	006·7
19	997·6	985·4	001·4	989·3	015·2	009·7	014·9	012·4	019·7	015·8	021·4	011·1	007·8	000·9	018·8	010·8	023·6	020·9	019·2	005·5	028·9	016·7	031·1	018·2
20	985·4	978·1	010·1	001·4	011·7	009·3	012·4	002·3	018·9	015·8	012·1	007·4	009·2	005·6	015·1	011·0	022·6	015·4	023·2	015·6	034·7	028·7	029·6	022·9
21	997·1	984·5	007·8	003·3	011·4	003·5	008·2	991·0	018·3	015·8	011·0	007·9	011·7	009·2	021·7	014·5	026·7	014·9	023·2	021·1	034·4	030·1	024·1	022·2
22	000·5	997·1	008·0	990·9	008·5	997·0	014·8	991·7	017·3	006·4	018·3	010·2	012·1	010·6	027·8	021·7	029·4	026·5	024·2	022·4	030·3	024·0	030·6	023·2
23	009·1	000·5	998·3	990·0	004·2	993·3	017·3	010·4	009·8	006·0	021·2	018·3	010·6	001·5	028·7	026·3	028·2	018·2	022·4	017·7	024·0	017·4	039·2	030·6
24	008·4	994·8	009·3	998·0	007·4	004·2	019·1	008·8	011·9	009·1	021·1	018·4	010·2	004·4	028·6	026·8	018·2	008·8	019·1	007·8	020·8	016·7	038·8	034·0
25	994·8	990·0	020·2	009·3	006·4	002·3	019·0	015·1	017·9	011·8	020·8	018·4	012·6	008·9	028·5	026·5	013·7	007·7	007·9	999·0	022·1	019·1	036·0	033·0
26	998·5	989·3	020·1	003·9	002·3	999·1	019·3	014·5	020·1	017·2	020·6	018·8	014·9	012·6	029·1	027·0	019·1	013·6	008·7	995·7	019·2	016·0	035·9	031·1
27	998·3	993·3	003·9	990·4	008·0	001·9	026·8	019·3	020·5	017·1	020·0	017·9	015·7	014·4	027·3	025·3	016·7	005·6	008·7	998·2	019·5	016·7	031·1	025·0
28	997·4	985·8	990·4	986·2	010·9	008·0	027·2	023·7	021·2	018·0	019·3	012·3	014·4	010·4	026·5	024·6	024·1	010·1	025·5	008·2	026·9	019·3	025·0	014·6
29	996·1	981·1	986·9	985·5	010·0	003·5	026·9	024·9	018·0	007·1	012·3	005·3	021·9	010·8	027·7	024·9	024·9	023·5	027·8	023·7	026·4	015·6	017·0	011·9
30	000·3	994·1	-	-	011·3	005·4	027·1	024·9	007·1	001·3	007·6	004·9	024·5	021·9	025·8	020·3	024·9	022·9	023·9	015·9	015·8	011·1	027·4	016·4
31	995·7	989·1	-	-	011·2	009·5	-	-	014·5	006·5	-	-	022·0	009·8	021·8	019·9	-	-	023·2	013·7	-	-	027·0	020·2
Mean	1004 ·06	994 ·77	1010 ·16	1001 ·30	1011 ·88	1007 ·21	1016 ·74	1010 ·15	1017 ·22	1012 ·75	1016 ·92	1012 ·72	1012 ·07	1006 ·61	1020 ·51	1016 ·62	1018 ·32	1012 ·35	1012 ·35	1015 ·00	1015 ·76	1007 ·21	1022 ·67	1013 ·78
																					Year	...	1015 ·66	1009 ·23

NOTE. - When pressure exceeds 1000mb. the leading figure 1 is not printed, i.e., 1005·6 is written 005·6. This rule does not, however, apply to monthly means

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

456 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·7	82·1	82·1	81·7	81·2	81·3	81·3	81·1	80·9	80·9	81·2	81·5	81·6	81·7	81·7	81·4	81·3	81·4	81·4	81·1	81·3	81·0	81·0	81·0	81·4
2	80·8	80·7	80·0	80·2	80·3	80·3	80·4	80·0	80·0	80·4	80·9	81·0	81·3	81·2	81·4	80·9	80·7	80·6	79·9	80·1	80·5	80·5	79·7	78·6	80·5
3	77·9	76·7	76·3	76·1	76·2	76·6	76·5	76·4	76·1	76·0	75·7	74·8	75·6	77·0	76·2	76·2	75·9	75·9	76·1	76·6	77·1	77·1	77·3	77·5	76·4
4	77·9	77·9	77·7	77·7	77·4	77·5	77·5	77·8	77·9	78·1	79·1	79·3	80·3	80·7	80·8	79·9	79·2	79·2	78·7	78·3	77·2	76·6	76·2	75·8	78·3
5	75·5	75·7	75·9	76·6	77·7	77·9	77·9	77·3	79·1	79·8	80·1	80·1	80·1	80·0	79·7	79·4	79·0	79·2	79·8	79·0	79·2	79·8	79·9	79·9	78·6
6	79·9	80·1	80·1	80·5	80·9	80·3	80·2	80·2	80·7	81·0	80·6	80·7	81·1	81·5	81·7	81·2	80·6	80·4	80·0	79·5	79·5	79·2	79·5	79·4	80·4
7	79·0	80·0	80·4	80·0	79·6	79·4	80·0	79·9	79·6	79·7	79·7	79·7	79·8	79·9	80·2	79·9	79·5	79·8	80·2	80·2	80·1	80·0	80·0	79·6	79·8
8	79·6	79·6	79·6	79·6	79·3	79·0	78·2	78·1	79·3	80·0	81·1	81·7	81·6	81·8	81·8	82·0	82·1	82·0	82·0	82·1	82·0	82·0	82·4	82·5	80·7
9	82·5	82·3	81·8	81·4	81·2	81·2	81·7	82·2	82·8	83·2	83·6	84·0	84·2	84·8	85·2	84·8	85·1	85·5	86·3	86·0	84·8	84·6	84·1	84·2	83·6
10	84·0	83·8	84·2	83·2	83·8	83·8	83·8	83·7	84·1	84·5	84·7	85·2	85·6	85·2	85·0	84·6	84·5	84·1	83·6	83·4	82·9	82·7	82·4	82·5	84·0
11	82·1	82·0	81·8	81·4	81·0	80·6	80·0	79·5	79·4	79·4	79·3	79·2	79·2	79·3	78·9	78·5	78·3	78·0	77·8	77·8	77·6	77·5	77·4	77·3	79·4
12	77·2	76·8	76·7	76·5	76·4	76·2	76·3	76·3	76·3	76·6	76·6	76·8	76·7	76·2	76·1	75·6	75·9	75·9	75·6	74·8	74·2	73·4	72·0	73·7	75·8
13	74·2	74·7	74·8	74·7	74·7	74·9	75·1	75·0	75·3	75·8	76·6	77·4	77·9	78·1	78·0	77·3	76·1	76·1	75·8	74·5	74·8	74·0	73·7	73·4	75·5
14	72·6	72·5	71·1	71·1	70·4	70·0	70·7	70·4	70·1	70·1	70·2	70·6	71·1	71·6	72·0	71·9	71·9	71·4	72·9	72·7	72·2	72·3	72·3	71·1	71·4
15	69·9	69·2	69·2	69·0	69·3	69·1	67·9	68·1	70·0	71·5	73·0	73·8	74·3	74·6	75·0	74·6	74·2	74·0	74·0	74·2	74·3	74·2	74·3	74·3	72·1
16	74·1	73·9	73·6	74·0	74·1	74·1	74·2	74·5	74·5	74·6	75·0	74·8	74·8	75·1	73·9	74·1	74·2	74·3	74·4	74·3	74·1	74·0	73·7	73·5	74·3
17	73·6	73·9	73·9	74·2	74·2	74·2	74·5	74·4	74·2	74·2	74·9	74·9	74·8	75·1	74·7	74·2	73·2	72·6	71·9	71·2	70·8	70·6	71·4	72·6	73·5
18	73·2	74·8	75·2	75·2	75·4	75·5	75·9	73·9	73·7	73·8	74·3	74·5	74·8	75·3	75·7	75·3	74·3	73·4	73·4	73·3	73·1	72·6	70·3	71·0	74·1
19	70·9	70·7	70·8	70·2	70·2	71·2	71·8	72·2	72·4	73·0	73·6	74·3	75·3	75·6	75·7	76·2	76·3	76·4	76·5	76·2	76·1	76·2	76·7	77·0	73·9
20	77·2	78·3	79·2	81·2	81·6	81·4	81·1	81·0	80·8	80·8	80·9	81·1	81·4	80·3	80·3	79·3	78·8	78·4	77·6	77·9	78·0	77·6	77·5	77·5	79·5
21	77·6	77·7	77·7	77·2	76·6	76·2	75·8	75·7	75·6	76·2	77·2	78·0	78·6	78·6	78·6	78·4	77·6	77·0	76·6	76·2	75·7	75·6	75·3	75·2	76·9
22	75·0	74·9	74·0	73·3	73·4	72·7	72·3	72·4	72·6	74·0	75·3	76·0	76·9	77·6	77·5	77·4	75·5	74·5	74·6	74·6	74·3	73·9	73·4	73·3	74·6
23	74·0	74·0	74·0	74·1	73·8	73·5	73·7	73·6	73·5	74·5	76·0	76·4	77·1	77·6	77·9	78·1	77·1	76·6	76·3	76·7	76·2	76·7	76·7	76·3	75·5
24	75·6	75·8	76·1	76·1	75·7	75·3	75·0	74·3	75·1	76·2	77·7	79·0	79·8	79·7	79·1	78·9	78·4	77·5	77·6	77·4	77·1	77·1	77·2	77·5	77·0
25	77·6	77·8	78·0	78·1	78·4	78·5	78·7	79·2	79·7	80·7	81·2	81·1	81·6	82·0	82·3	82·1	82·0	82·0	82·4	82·6	82·5	82·4	82·2	81·9	80·5
26	81·5	81·3	81·3	81·0	81·0	80·6	80·1	79·7	79·3	79·2	79·7	80·5	81·2	81·2	81·1	80·8	80·4	80·0	79·0	78·0	77·2	76·4	77·0	76·6	79·9
27	76·6	76·9	78·1	78·6	79·0	79·1	79·5	79·9	80·3	80·3	79·7	80·1	80·2	80·6	80·8	81·2	80·2	80·3	80·7	80·8	81·1	81·3	80·6	80·1	79·8
28	79·7	79·6	80·7	81·0	81·5	81·5	81·0	80·7	81·1	82·0	83·0	82·5	83·2	82·7	82·6	82·0	81·1	80·8	81·0	80·5	80·3	81·3	81·2	81·2	81·3
29	81·3	81·7	82·0	82·0	82·2	82·5	82·7	82·9	82·9	82·0	82·2	82·0	81·8	81·5	79·2	78·6	78·4	78·8	78·2	78·0	77·6	76·8	76·2	76·2	80·2
30	76·7	77·1	77·7	78·6	78·6	78·3	78·2	78·1	78·6	79·4	80·4	81·4	82·1	82·5	82·3	81·9	81·2	80·9	80·8	80·7	80·9	80·8	81·0	81·1	79·9
31	81·4	81·4	81·9	81·7	81·5	81·4	81·3	82·0	82·8	83·0	83·3	83·4	82·6	82·5	84·1	84·3	83·9	83·2	82·5	81·7	81·7	82·1	82·1	81·9	82·4
Mean	77·4	77·5	77·6	77·6	77·6	77·6	77·5	77·5	77·7	78·1	78·6	78·9	79·2	79·4	79·3	79·1	78·6	78·4	78·3	78·1	77·9	77·7	77·6	77·5	78·1

457 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres FEBRUARY, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·6	81·4	81·0	80·8	80·3	80·5	81·0	81·2	81·6	82·5	82·5	82·5	82·7	82·9	82·9	82·6	82·1	81·1	80·3	80·4	80·5	80·3	79·9	79·4	81·4
2	79·4	79·3	79·2	79·2	79·1	78·9	78·8	78·8	79·0	79·2	80·4	80·3	80·7	80·4	78·3	78·4	78·1	78·1	78·3	77·3	75·9	76·2	75·9	75·4	78·6
3	75·1	74·9	74·7	74·6	74·4	74·7	74·1	73·9	74·2	75·1	76·4	76·5	76·6	76·7	76·8	76·1	75·5	75·2	75·0	74·9	74·7	74·1	73·8	73·2	75·1
4	73·0	72·6	72·1	71·9	71·6	70·6	71·0	70·9	71·2	72·2	73·8	74·5	75·2	75·7	75·9	75·7	75·0	73·9	72·7	72·2	72·0	71·8	72·0	71·8	72·9
5	71·4	71·3	71·7	71·9	72·3	72·5	73·0	73·0	73·7	74·9	76·3	76·9	78·0	78·5	78·4	78·0	77·5	77·4	77·0	77·0	77·2	77·1	77·1	77·2	75·3
6	77·2	76·8	76·1	75·3	75·0	74·7	74·0	74·0	75·9	77·1	78·1	78·7	79·5	79·3	78·9	78·4	77·0	76·2	75·5	75·0	74·8	74·4	74·1	73·9	76·3
7	73·7	73·5	73·2	73·0	72·3	72·0	71·8	71·7	72·6	73·1	74·5	75·3	76·0	76·0	76·3	75·4	74·7	74·3	74·0	73·6	73·5	73·1	73·1	73·1	73·8
8	72·8	72·4	71·7	71·4	71·2	71·5	71·6	71·9	72·8	73·6	74·2	74·7	75·0	75·2	75·4	75·1	74·9	74·9	74·9	75·0	74·6	73·9	73·6	73·3	73·6
9	72·9	72·5	72·0	72·1	72·1	72·2	72·2	72·6	73·4	74·4	75·6	76·8	77·3	77·2	77·1	76·5	75·8	75·5	75·1	74·9	74·7	74·9	75·1	75·4	74·5
10	75·8	75·8	75·8	76·1	76·1	75·7	75·0	74·3	73·8	73·5	73·5	73·6	74·0	73·5	73·3	73·1	72·8	72·8	72·6	72·3	72·0	71·9	71·8	71·6	73·9
11	71·0	71·1	70·8	70·6	70·6	70·5	70·4	70·5	70·7	71·4	71·6	71·7	72·2	72·3	72·4	72·5	72·4	72·6	73·1	73·3	72·7	72·1	72·2	72·0	71·7
12	71·4	70·5	70·1	69·7	69·6	69·5	69·2	68·5	68·9	69·4	71·0	75·2	76·2	76·9	76·9	76·0	74·7	73·7	73·5	73·4	72·8	72·1	71·2	71·0	72·2
13	70·9	70·4	70·1	69·2	69·3	69·0	69·1	69·0	70·2	71·5	74·4	76·2	77·1	77·7	77·6	77·2	76·6	76·4	75·8	75·0	74·7	74·5	74·4	73·9	73·3
14	73·5	73·4	73·0	72·9	72·9	72·8	73·0	73·4	74·3	75·3	77·1	78·1	79·1	78·9	78·4	77·6	76·8	76·4	76·2	75·5	75·3	75·3	75·4	75·9	75·4
15	75·9	76·0	75·9	76·0	76·1	76·0	76·0	76·4	76·4	76·9	77·4	77·6	77·6	77·9	77·5	77·9	77·8	77·2	76·8	76·7	76·3	76·1	76·0	75·9	76·7
16	75·5	74·9	74·4	74·1	73·2	72·9	73·5	73·7	73·8	73·6	74·0	74·6	75·7	76·2	76·4	75·5	74·1	74·1	74·1	74·3	74·3	74·2	74·7	75·4	64·5
17	75·7	76·0	76·5	76·7	76·9	77·0	77·2	77·4	77·9	79·3	80·9	82·1	82·2	83·2	83·2	82·2	81·2	81·1	80·4	79·6	79·8	80·5	81·2	81·3	79·4
18	81·1	81·0	81·1	81·1	81·2	81·5	81·6	82·1	82·2	83·0	84·2	84·4	84·9	84·7	84·7	84·5	83·9	82·7	82·5	82·5	82·2	82·2	81·7	81·2	82·6
19	81·0	80·9	81·0	81·2	81·0	81·2	81·3	81·4	81·3	81·9	82·3	82·5	82·4	83·0	83·2	82·3	81·7	80·5	79·4	79·2	79·2	78·9	78·7	78·2	81·1
20	77·9	77·5	77·0	76·7	76·4	75·9	75·9	76·0	77·1	78·2	79·9	80·9	82·2	82·5	82·3	82·3	81·1	80·0	79·0	78·9	78·9	79·5	80·1	80·4	79·0
21	79·6	80·0	79·9	79·8	79·8	80·0	80·5	81·0	81·4	80·6	81·1	79·7	80·0	80·1	80·3	80·2	79·9	78·7	76·5	75·9	75·0	74·4	73·1	72·0	78·9
22	71·5	72·1	73·0	73·6	74·4	75·1	75·2	76·6	77·2	77·5	78·0	78·0	78·7	79·1	79·2	79·1	79·6	79·9	79·9	80·1	79·8	79·0	78·4	78·8	77·1
23	78·7	78·7	78·8	78·6	78·1	77·9	76·8	76·1	75·9	76·0	76·0	76·6	77·6	78·6	78·5	78·5	78·4	78·2	77·8	77·6	76·2	75·6	75·9	76·0	77·4
24	76·1	76·1	75·5	75·9	75·9	75·6	75·4	74·8	76·1	76·7	77·3	77·7	77·7	77·7	78·0	78·2	78·6	78·0	77·0	77·6	77·4	77·4	77·2	77·0	76·9
25	76·5	75·5	75·6	76·0	76·4	76·4	76·6	76·5	76·9	76·9	76·9	76·5	76·7	76·7	76·7	76·6	76·4	76·3	76·0	76·0	75·9	75·7	75·7	75·6	76·3
26	75·4	75·3	75·2	75·0	75·0	74·9	74·7	74·8	75·2	76·1	77·4	77·9	79·0	79·3	79·0	78·9	78·4	78·0	77·5	77·4	77·4	77·7	77·5	77·6	76·8
27	77·8	78·3	78·5	78·7	78·6	78·5	78·3	78·0	78·7	78·2	78·0	78·9	79·8	80·1	80·8	80·7	79·8	78·1	76·6	75·3	74·8	74·5	73·7	73·6	77·9
28	72·2	72·2	73·1	73·1	73·5	73·2	73·5	73·5	73·7	74·1	74·8	75·8	76·9	77·6	77·5	77·4	77·0	76·8	75·4	75·7	75·2	74·5	74·6	74·7	74·8
29	74·8	74·6	75·2	75·3	75·3	74·5	74·3	74·5	75·2	76·0	75·9	76·4	76·8	76·0	76·6	76·4	76·2	75·4	75·0	75·0	74·9	74·6	74·2	74·3	75·3
Mean	75·5	75·3	75·2	75·2	75·1	75·0	75·0	75·1	75·6	76·1	77·0	77·6	78·2	78·4	78·4	78·0	77·5	77·0	76·5	76·3	76·0	75·7	75·6	75·5	76·3
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e, 275·0 degrees absolute is written 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

458 **KEW OBSERVATORY:** North Wall Screen: ht (height of thermometer bulb above the ground) = 3·0 metres **MARCH, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	74·2	74·2	74·4	74·6	74·4	74·2	74·1	74·5	74·7	75·5	75·9	76·3	76·7	76·9	76·8	76·7	76·6	76·3	76·1	76·1	76·4	76·4	76·0	75·9	75·5
2	76·0	75·9	76·0	76·0	76·0	75·6	75·4	75·6	76·2	76·6	76·7	77·3	77·9	77·9	78·3	78·3	78·1	77·9	77·5	77·1	76·7	76·5	76·1	76·0	76·7
3	76·0	75·9	75·9	75·9	76·0	75·9	75·9	75·9	76·2	76·5	76·7	77·2	77·8	77·6	77·4	77·4	77·5	77·0	76·2	75·2	74·4	73·9	73·3	73·1	76·1
4	72·3	71·7	72·0	71·0	70·8	70·8	71·5	72·7	73·4	73·7	74·2	74·7	75·2	75·7	75·2	76·5	75·3	74·3	73·2	74·2	75·2	76·2	76·7	76·9	73·8
5	76·6	76·4	76·2	76·1	76·2	76·4	76·6	76·9	77·6	78·6	80·1	80·8	81·6	82·0	82·1	82·1	80·6	79·7	78·5	77·9	77·2	76·3	75·8	75·3	78·3
6	74·8	75·1	75·1	75·4	76·3	76·6	76·3	76·2	77·4	79·1	80·0	81·2	81·6	81·6	81·7	81·7	81·2	80·8	80·6	80·0	79·3	78·3	77·4	76·7	78·5
7	75·9	75·0	74·5	73·9	73·8	73·6	73·8	75·5	79·1	80·9	81·5	81·9	82·4	82·2	82·4	80·9	80·6	80·4	80·3	80·6	80·6	80·7	80·6	80·7	78·7
8	80·7	80·7	80·6	80·5	80·4	80·2	79·8	80·1	80·4	81·1	82·1	82·5	83·5	84·6	85·0	84·7	84·0	83·7	82·7	81·7	80·7	80·0	80·7	81·1	81·7
9	81·1	80·7	80·6	80·1	80·3	80·5	80·9	81·3	82·6	83·3	84·5	85·1	85·3	85·0	84·5	84·2	83·3	82·9	82·6	82·4	82·1	82·0	82·2	82·0	82·5
10	82·0	81·8	81·8	81·4	81·4	81·4	81·5	81·8	82·5	83·9	85·0	86·0	86·9	87·0	87·2	87·0	86·4	85·3	84·0	83·7	83·1	82·6	81·8	81·1	83·6
11	80·7	80·4	80·0	79·3	78·9	78·4	78·6	78·8	79·0	79·6	79·7	80·0	80·0	80·4	80·3	80·3	80·0	79·6	79·2	78·7	78·1	78·1	78·2	78·5	79·4
12	78·5	78·3	78·0	77·7	77·5	77·2	77·5	77·6	77·7	77·9	78·0	78·0	78·2	78·0	78·2	78·0	77·6	77·4	77·0	76·9	76·5	76·6	76·6	76·6	77·6
13	76·3	76·3	76·2	76·2	76·2	76·1	76·3	76·4	76·6	77·2	77·3	77·4	78·1	78·0	78·3	78·3	77·7	77·3	76·6	76·6	76·3	76·0	76·1	76·0	76·8
14	75·9	75·8	75·4	75·3	75·2	75·4	75·4	75·5	76·3	77·2	77·9	78·7	79·4	79·5	79·5	79·0	78·4	77·9	77·0	76·4	75·7	75·7	75·7	75·6	76·8
15	75·8	75·9	76·6	76·1	76·1	76·1	76·1	76·7	77·3	77·5	77·9	78·2	78·7	79·0	79·6	79·7	79·7	78·7	77·6	77·4	77·5	77·6	79·3	79·4	77·6
16	78·9	76·9	76·8	76·8	76·6	76·6	76·5	76·8	77·4	78·2	79·3	80·2	81·3	82·1	82·5	82·5	81·7	80·8	78·9	78·0	77·5	76·9	76·4	76·0	78·6
17	75·4	74·9	74·4	74·7	74·8	74·9	74·4	73·3	74·6	76·6	78·4	80·2	82·3	82·3	83·9	84·1	83·6	82·0	80·4	79·6	78·6	77·4	76·9	76·2	78·1
18	75·6	74·8	74·2	73·8	72·9	74·3	74·6	75·9	79·7	81·4	83·0	84·5	84·9	85·0	84·9	84·4	83·5	81·6	80·5	79·9	79·2	78·8	78·5	78·2	79·3
19	77·9	77·7	77·3	77·2	76·8	76·5	76·5	77·8	80·1	82·3	84·1	86·2	86·9	86·4	86·4	85·0	84·6	84·4	83·2	82·5	82·2	82·0	81·6	81·2	81·5
20	80·0	81·6	82·2	82·2	82·0	81·2	81·9	82·8	82·5	83·2	84·0	83·9	82·7	84·0	84·7	84·5	84·2	83·8	82·8	82·5	81·8	81·6	80·7	80·8	82·6
21	81·2	81·0	80·8	80·9	81·1	80·3	81·3	83·0	85·1	86·7	87·1	88·1	89·4	89·3	89·7	88·5	88·2	87·6	86·5	85·8	85·4	84·9	84·6	84·0	85·0
22	84·0	84·9	84·5	84·0	83·9	83·6	84·0	84·5	85·8	86·0	86·5	87·9	88·5	87·4	87·7	87·2	86·4	86·1	85·8	85·7	85·7	85·4	84·8	84·6	85·6
23	83·9	83·6	84·4	83·7	83·5	83·8	84·0	83·8	85·2	85·4	85·5	85·0	84·9	83·8	85·1	84·2	84·6	83·6	82·6	81·8	81·3	80·6	79·6	79·2	83·6
24	79·1	79·4	79·3	79·4	78·9	79·0	79·2	80·9	84·1	85·6	86·3	87·6	87·9	88·1	88·0	88·9	88·2	86·8	85·2	83·8	83·0	82·6	82·1	81·7	83·5
25	81·6	81·7	81·6	81·5	81·2	80·9	81·0	81·4	82·4	83·9	85·0	86·4	87·5	88·3	88·5	86·6	85·4	83·8	82·5	81·6	81·3	80·9	80·9	80·8	83·2
26	81·0	81·0	81·2	81·3	81·3	81·4	81·6	82·0	82·2	82·7	83·2	83·5	83·8	83·8	84·6	85·1	84·9	84·2	83·4	82·8	82·8	81·8	81·3	81·2	82·6
27	81·3	81·0	80·5	80·4	81·0	80·7	81·5	82·0	82·7	83·9	84·8	86·6	85·9	86·3	86·1	85·8	84·8	84·7	82·9	83·0	83·1	82·3	81·9	82·1	83·1
28	81·8	81·0	80·2	79·0	80·5	81·1	81·7	82·7	84·0	85·0	85·2	85·9	87·0	87·5	87·8	87·1	86·8	86·2	85·5	84·9	84·4	84·3	84·2	84·3	84·0
29	84·3	84·2	84·2	84·0	83·9	83·7	83·9	84·0	84·3	84·7	84·9	85·5	86·4	86·9	86·4	86·4	86·3	85·8	85·4	85·0	84·7	84·7	84·6	84·5	84·9
30	84·4	84·1	83·5	82·9	83·3	82·5	82·8	83·9	84·7	85·6	86·8	87·2	87·6	86·7	88·0	87·9	87·3	86·4	85·6	84·6	83·9	83·0	83·6	83·7	85·0
31	83·7	83·6	83·5	83·2	83·1	82·7	83·0	83·9	84·9	85·2	85·2	85·0	86·0	87·8	88·0	88·0	88·1	86·5	85·8	85·1	84·7	84·1	83·7	83·4	84·9
Mean	79·1	78·9	78·8	78·5	78·5	78·4	78·6	79·2	80·2	81·1	81·8	82·5	83·1	83·3	83·5	83·3	82·8	82·0	81·2	80·7	80·3	79·9	79·7	79·6	80·6

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Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	83·1	82·9	82·7	82·4	82·2	82·3	82·7	82·9	83·7	84·4	84·7	85·2	86·2	86·8	86·2	85·7	85·2	85·0	84·6	84·3	84·1	84·0	83·9	83·8	84·1
2	83·6	83·4	83·2	83·3	83·5	83·7	83·8	82·8	82·1	81·6	81·6	81·5	81·6	81·3	81·7	81·5	81·3	81·2	81·3	81·2	80·7	80·5	79·8	79·8	82·0
3	79·4	79·6	79·4	79·3	78·6	78·2	78·6	78·7	79·3	79·6	79·9	79·8	80·3	80·2	80·0	79·7	79·1	78·7	78·0	77·3	77·4	77·2	76·5	75·0	78·8
4	75·2	75·3	75·6	75·9	76·0	76·2	76·7	76·8	77·2	78·0	79·1	79·8	81·2	81·7	81·7	81·3	80·8	79·9	79·0	78·1	77·3	76·7	76·2	75·6	78·0
5	75·5	75·5	75·4	75·7	76·1	76·3	77·0	77·9	78·4	78·4	78·7	79·0	79·1	79·4	79·5	79·5	79·2	78·9	78·6	78·3	77·8	77·6	77·6	77·5	77·7
6	77·5	77·2	77·1	77·0	76·8	76·8	77·1	77·1	77·6	77·9	78·4	79·3	79·0	78·9	79·0	79·6	79·6	78·9	78·1	77·7	77·2	76·6	76·3	76·0	77·8
7	75·6	75·4	75·9	78·0	77·8	77·3	77·9	78·2	78·6	79·0	79·8	81·2	81·8	81·8	81·6	81·2	81·4	80·7	79·8	79·1	78·7	78·2	77·7	77·4	78·9
8	77·2	76·7	77·1	77·1	77·3	77·5	77·7	78·0	78·4	78·6	79·1	79·6	80·1	81·2	82·1	81·8	81·6	81·5	81·0	80·4	80·4	80·1	79·9	79·6	79·3
9	79·3	78·8	79·1	79·1	79·1	79·3	79·7	79·8	79·9	80·3	80·6	80·6	81·4	82·2	83·5	83·1	82·5	81·4	80·7	80·4	79·7	78·7	78·1	78·1	80·3
10	78·3	78·4	78·5	78·1	77·7	77·6	78·0	78·6	78·6	79·0	79·0	79·7	80·7	81·5	82·9	83·9	84·0	81·9	80·2	79·4	78·2	78·9	78·3	78·6	79·6
11	78·9	78·0	77·2	77·3	76·8	77·0	77·6	78·4	78·6	79·2	79·8	79·2	80·6	78·7	79·2	77·5	78·3	77·7	78·1	78·0	77·4	76·8	76·2	75·6	78·1
12	75·5	75·1	74·6	74·5	74·3	74·6	75·3	75·9	76·3	77·2	78·5	79·4	80·2	78·9	78·3	76·3	77·1	76·0	76·0	76·0	75·7	75·0	74·6	74·7	76·3
13	74·4	74·0	74·0	74·0	74·0	74·3	75·0	75·8	76·3	77·1	77·4	77·0	78·2	77·9	77·6	78·2	79·1	79·1	77·6	76·7	76·4	76·1	75·5	75·0	76·3
14	74·6	74·4	73·8	73·4	73·1	73·4	74·8	76·2	75·9	78·0	78·4	80·2	80·7	80·8	81·3	81·3	81·2	80·6	80·0	79·9	79·4	78·9	78·6	77·8	77·7
15	77·4	76·5	75·6	75·5	75·9	76·2	77·0	77·9	78·7	78·6	79·1	79·2	80·1	79·8	80·4	80·6	80·6	80·1	79·5	79·1	79·1	78·8	78·4	77·8	78·4
16	77·1	76·7	76·7	75·8	75·9	76·4	76·6	77·3	78·4	78·9	79·3	79·4	80·1	80·3	81·1	81·9	81·6	80·9	80·0	78·9	77·8	77·3	77·1	76·7	78·4
17	76·3	75·3	74·8	74·3	73·9	73·9	75·0	76·8	78·9	79·3	80·3	81·1	81·8	82·4	81·9	82·4	82·2	81·6	80·7	79·9	79·7	78·3	77·5	76·6	78·5
18	76·1	75·4	75·0	74·5	74·0	74·5	75·7	78·6	79·9	80·8	81·5	81·9	83·0	83·5	84·2	84·1	84·5	84·6	83·2	82·0	80·9	79·7	78·9	78·1	79·7
19	77·1	76·1	75·1	76·2	76·1	76·9	77·7	78·5	79·7	80·4	81·3	81·8	82·5	82·9	82·8	83·3	82·9	82·8	82·0	80·0	80·2	79·0	78·2	77·6	79·6
20	77·6	77·4	77·3	77·3	77·8	78·4	79·2	79·9	79·9	80·1	79·7	79·5	79·1	78·8	79·1	79·2	79·0	79·1	78·4	77·6	76·9	76·3	75·4	75·2	78·3
21	74·2	73·8	73·2	72·9	72·9	73·5	74·5	76·3	78·8	80·6	81·3	80·7	80·5	79·4	78·6	76·6	75·5	75·6	75·8	76·0	76·4	77·0	77·1	77·3	76·6
22	77·2	77·3	77·2	76·7	76·7	77·0	77·2	78·2	79·2	79·0	79·7	79·4	80·1	79·4	80·1	78·8	77·3	78·5	78·2	77·3	76·4	75·5	74·9	74·5	77·8
23	73·9	73·4	73·0	72·4	72·3	72·8	74·1	75·9	77·9	79·2	80·2	81·9	82·4	83·2	83·2	83·0	82·4	81·6	80·9	80·3	80·1	79·2	79·1	79·1	78·3
24	79·0	79·5	80·0	80·2	80·3	80·3	81·0	82·3	83·3	84·2	84·6	86·0	86·6	87·1	87·4	88·0	87·9	86·7	86·1	85·5	85·2	84·5	84·0	83·8	83·8
25	83·7	83·7	83·7	84·2	84·1	84·0	84·6	85·1	85·7	86·2	86·9	86·7	88·2	88·6	87·3	86·6	86·2	85·2	85·0	84·8	84·6	84·2	84·0	83·5	85·3
26	82·8	82·5	82·4	82·2	81·7	82·0	82·5	83·2	83·9	85·0	86·3	86·5	85·9	85·6	86·0	84·4	85·6	85·9	84·5	83·8	82·9	82·1	81·4	80·8	83·8
27	80·0	79·2	78·6	78·5	78·9	79·4	81·3	82·8	83·5	84·3	84·7	84·7	85·5	85·9	86·2	86·7	86·9	86·5	85·0	83·5	83·1	82·1	81·3	80·1	82·9
28	79·3	79·2	78·4	78·0	76·4	77·5	79·7	82·2	83·9	85·7	86·6	86·9	87·8	88·6	89·3	89·7	89·8	88·6	87·6	86·4	85·6	84·6	83·5	82·3	84·0
29	82·5	82·6	82·1	82·0	81·3	81·5	83·4	84·6	85·8	87·0	86·4	87·7	88·6	88·6	88·5	88·4	88·6	88·0	87·4	86·1	85·8	85·6	83·8	83·5	85·4
30	83·3	83·2	83·0	83·0	82·8	82·9	83·3	84·0	85·4	85·6	85·3	86·0	86·6	87·5	88·3	88·7	88·0	87·1	85·3	84·6	83·4	82·3	81·5	80·6	84·7
Mean	78·2	77·9	77·7	77·6	77·5	77·7	78·5	79·4	80·1	80·8	81·3	81·7	82·3	82·4	82·6	82·4	82·3	81·8	81·1	80·4	79·9	79·4	78·8	78·4	80·0
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e. 275·0 degrees absolute is written 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

460 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·7	79·4	79·7	78·6	78·4	78·7	79·3	80·1	81·5	82·5	83·1	83·6	84·3	84·4	84·5	84·8	84·1	83·8	82·5	81·1	80·1	79·5	79·2	79·1	81·4
2	79·1	78·2	77·6	77·9	78·5	79·8	80·3	80·9	81·7	81·9	82·5	83·2	84·0	84·3	84·7	85·0	85·1	84·9	82·3	80·8	80·0	79·4	79·1	79·0	81·3
3	79·1	79·0	79·2	79·8	80·0	80·0	80·1	80·1	80·7	81·2	82·9	83·3	84·0	84·3	85·3	86·4	85·8	85·1	84·2	83·8	83·7	83·1	82·9	82·6	82·3
4	82·2	81·9	81·9	81·7	81·7	81·8	82·8	84·0	85·1	86·7	87·6	88·2	88·5	89·3	89·6	89·1	88·2	87·2	85·9	83·6	82·3	81·8	81·9	81·8	84·8
5	81·8	81·7	81·7	81·8	81·8	82·0	82·4	83·2	83·7	85·2	87·1	89·7	91·7	92·2	92·6	92·7	92·4	90·8	89·4	87·9	86·6	85·9	85·2	84·6	86·4
6	84·3	84·0	83·7	82·7	82·5	82·9	85·7	87·3	87·0	89·3	91·0	93·0	93·3	94·2	94·9	94·9	95·8	93·7	91·9	90·4	89·1	88·2	86·2	86·8	88·8
7	86·2	85·2	84·6	84·2	84·1	83·8	84·3	85·2	86·2	87·0	87·7	88·4	88·9	88·9	88·9	88·8	88·4	87·6	86·2	85·2	84·7	84·0	83·4	82·7	86·1
8	82·5	82·6	82·2	82·1	82·1	82·0	81·9	82·1	82·9	83·6	84·3	85·4	85·9	86·0	85·3	84·7	83·8	83·2	82·9	82·4	82·0	81·8	81·7	81·3	83·1
9	81·1	80·9	80·9	81·3	81·6	81·7	82·0	82·4	82·8	83·2	83·6	84·2	85·0	85·1	84·9	84·7	84·7	84·4	84·0	83·6	83·2	83·0	82·8	82·6	83·0
10	82·3	82·3	82·2	82·2	82·0	81·9	82·2	82·2	82·8	83·1	84·1	85·6	87·5	87·9	88·1	89·7	89·4	89·2	88·7	87·9	86·8	85·4	84·9	84·6	85·1
11	83·6	82·0	82·1	80·4	80·7	81·6	81·9	82·2	85·2	87·7	89·5	90·4	90·8	91·5	91·4	92·1	91·0	91·5	89·2	87·3	86·1	85·4	84·7	83·5	86·3
12	82·2	82·3	81·9	81·2	80·4	81·1	83·6	85·2	85·6	86·1	86·0	87·1	89·0	88·9	88·9	89·8	89·2	89·1	88·2	87·7	87·3	86·8	86·3	86·0	85·8
13	85·6	85·4	85·3	85·0	84·9	84·9	85·2	86·2	87·4	88·1	89·0	91·0	91·9	92·6	91·8	91·7	91·3	90·2	88·6	87·7	86·8	85·8	84·7	83·7	87·7
14	83·6	83·3	82·6	82·0	82·4	82·7	84·3	85·1	86·3	87·2	88·2	89·4	90·3	91·0	91·4	91·8	92·7	91·3	90·7	88·2	86·6	85·1	83·6	82·6	86·8
15	81·8	81·5	80·5	79·6	80·6	83·1	86·1	88·6	90·2	91·6	92·7	93·7	94·7	94·7	94·8	94·7	94·0	93·4	92·6	90·6	89·7	88·7	87·5	86·9	88·8
16	86·5	86·1	86·1	85·9	85·9	87·1	89·1	91·7	93·8	95·2	96·4	96·8	97·3	95·7	95·8	95·4	94·9	94·7	93·0	91·0	89·9	88·4	89·7	89·1	91·4
17	88·4	87·9	86·8	87·3	86·8	86·6	86·0	86·6	88·6	90·5	92·0	93·9	94·6	95·2	94·6	92·9	90·0	89·2	88·7	89·0	87·7	86·6	86·1	86·0	89·3
18	85·4	85·4	85·3	84·7	85·1	86·4	87·9	89·6	91·6	92·9	94·3	95·8	96·2	96·1	95·5	95·1	94·6	94·0	92·7	91·3	90·1	88·5	87·7	86·8	90·5
19	86·3	85·6	84·5	84·2	84·2	84·7	86·0	87·5	88·9	90·5	92·3	93·6	93·8	94·1	94·5	94·2	93·8	93·7	93·3	90·2	88·7	86·6	84·5	82·7	89·2
20	82·4	81·8	81·2	80·8	81·3	82·6	84·9	86·5	88·0	89·5	89·6	88·8	88·3	87·4	87·1	85·3	85·4	84·8	83·8	82·2	81·6	81·3	81·3	81·2	84·5
21	80·4	79·7	79·0	78·4	78·3	79·0	80·1	81·2	81·7	81·7	82·5	83·0	84·0	83·8	84·7	84·5	83·1	83·2	81·7	81·0	80·2	79·8	79·3	78·4	81·3
22	77·6	77·0	76·4	76·2	77·0	78·1	80·0	81·1	81·8	82·8	84·0	85·3	86·3	87·3	87·4	87·8	87·5	85·9	84·5	83·6	82·9	82·6	82·6	82·6	82·3
23	82·5	82·3	82·1	81·8	81·8	81·8	82·2	82·4	83·5	84·3	85·3	84·9	84·8	85·2	84·8	84·4	84·7	85·1	84·6	83·4	82·4	81·6	81·1	80·7	83·3
24	80·3	80·1	80·3	80·6	81·0	81·6	82·4	83·6	85·2	86·7	87·8	88·2	88·6	88·4	88·7	88·1	87·6	87·3	86·4	85·6	84·7	84·1	84·0	83·3	84·7
25	83·2	82·9	83·0	82·8	82·8	83·1	84·3	85·9	86·8	88·9	90·1	90·7	92·0	92·4	92·1	91·3	90·6	89·6	88·9	87·7	87·2	86·2	85·5	84·2	87·2
26	84·1	83·5	83·3	82·9	82·5	81·8	82·2	83·1	83·4	83·9	85·8	87·0	89·6	90·3	90·6	90·8	90·5	90·4	88·4	87·9	86·8	86·3	86·2	86·0	86·1
27	85·8	85·8	85·4	85·1	85·1	84·7	85·1	85·4	86·0	86·3	87·2	87·9	88·6	90·0	90·5	90·5	89·8	88·6	87·9	85·0	83·9	84·0	84·0	83·3	86·5
28	82·6	82·5	81·9	81·7	81·2	81·2	81·4	81·2	81·9	82·5	83·1	82·7	83·2	83·5	84·0	83·9	83·8	83·6	83·2	82·9	82·5	81·8	80·8	78·5	82·4
29	77·7	76·6	76·7	76·6	77·3	78·6	80·7	82·6	84·2	85·5	87·1	88·0	89·5	89·5	89·4	89·7	89·0	88·0	87·4	86·7	85·1	84·0	83·5	83·2	83·9
30	83·1	82·8	82·6	82·2	82·1	82·0	82·9	84·2	85·3	85·4	83·8	84·7	85·2	85·6	83·0	84·7	84·0	84·3	82·6	80·6	80·0	79·6	79·8	79·7	83·0
31	79·2	79·0	78·4	77·5	77·7	78·3	79·7	80·7	82·0	82·7	83·4	84·0	85·1	85·6	85·2	86·3	85·4	85·2	84·5	83·4	82·9	82·8	82·0	81·5	82·1
Mean	82·6	82·2	81·9	81·6	81·7	82·1	83·1	84·1	85·2	86·2	87·2	88·1	88·9	89·2	89·2	89·2	88·7	88·2	87·1	85·8	84·9	84·1	83·6	83·1	85·3

461 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — JUNE, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	81·3	81·0	80·5	79·9	80·0	80·2	81·7	83·3	84·3	85·0	85·2	87·1	88·4	88·7	87·6	85·7	85·4	84·6	84·5	82·8	81·7	80·2	80·1	80·2	83·3
2	79·7	80·9	80·7	80·7	80·8	81·4	81·7	82·9	84·3	83·7	83·7	84·2	83·8	82·6	85·2	86·7	87·6	87·4	87·4	84·2	82·6	82·1	82·3	82·4	83·2
3	81·8	81·2	80·1	79·7	81·4	81·0	81·8	82·5	84·2	85·6	84·9	85·3	86·3	86·8	85·6	84·5	86·7	85·6	85·1	83·9	82·5	82·0	81·0	80·4	83·4
4	79·9	80·1	80·2	80·4	80·7	81·3	81·7	82·1	82·5	83·6	84·6	85·3	86·1	87·4	88·4	88·2	86·4	84·0	84·0	83·2	83·0	82·5	82·2	82·0	83·3
5	82·2	81·9	82·0	82·1	81·9	82·0	82·7	83·3	83·5	84·1	85·1	86·3	87·4	88·2	89·3	89·4	89·3	88·9	88·6	86·7	85·3	84·5	84·2	83·3	85·1
6	82·9	82·5	81·8	81·2	81·2	81·8	83·1	84·3	86·3	87·3	89·0	89·2	88·9	89·0	88·8	88·0	87·5	86·5	86·4	86·4	86·4	86·2	86·0	85·9	85·6
7	85·9	85·8	85·5	85·4	85·2	85·4	85·5	85·6	85·6	84·9	85·6	87·3	87·2	87·0	88·0	88·6	88·9	89·3	89·2	87·5	86·3	85·8	85·4	85·7	86·5
8	85·8	86·2	85·8	85·5	85·8	86·5	87·4	88·2	88·8	89·7	90·0	91·2	91·3	92·3	93·1	92·9	92·7	92·5	91·5	90·5	89·6	88·3	87·1	85·9	89·1
9	85·1	85·1	84·5	84·2	84·5	85·2	86·3	88·2	89·1	90·3	91·2	92·1	92·5	93·3	93·9	94·5	94·9	94·9	95·0	92·7	91·2	90·0	88·6	88·0	89·8
10	87·3	86·6	86·0	85·7	85·9	86·2	86·9	87·9	88·5	90·0	90·2	90·5	91·4	90·9	91·3	91·6	90·7	90·0	89·0	88·2	87·3	86·5	86·3	85·7	88·4
11	85·7	85·3	85·4	85·3	85·1	85·5	86·1	86·3	87·5	88·6	89·5	90·3	90·5	90·6	89·5	90·4	90·1	90·2	89·5	88·3	87·4	86·9	86·5	86·1	87·8
12	85·9	85·5	85·1	85·1	85·1	85·1	85·7	86·5	87·5	88·8	89·5	91·2	89·0	90·5	88·9	89·5	89·7	90·0	88·8	88·3	87·6	87·5	87·2	87·1	87·7
13	86·9	86·4	86·3	86·2	86·1	85·9	86·0	86·3	86·8	87·5	88·3	88·8	87·8	88·5	88·5	88·8	88·0	87·9	87·3	86·6	86·3	85·8	85·6	85·5	87·0
14	85·3	85·2	85·2	84·6	84·2	84·3	84·1	85·2	87·6	88·6	89·1	90·3	91·0	90·8	90·9	91·0	90·5	89·8	88·5	87·6	86·9	86·7	86·2	86·1	87·5
15	86·1	86·1	85·9	85·3	85·0	85·4	86·0	86·8	87·2	87·9	88·3	88·4	88·9	89·4	90·1	90·1	90·5	90·7	89·2	88·2	86·8	85·8	84·7	84·1	87·4
16	84·1	83·7	83·4	83·2	83·9	85·2	86·4	87·4	88·1	89·3	89·9	90·1	90·9	91·1	91·8	92·0	92·9	93·0	92·6	89·8	87·4	86·0	85·1	84·6	88·0
17	84·6	84·1	83·8	82·2	84·2	86·2	88·9	91·2	91·8	92·8	93·5	93·9	94·9	95·6	95·8	97·0	97·6	98·1	97·8	93·2	90·2	88·7	87·8	87·1	90·8
18	87·7	88·0	87·8	87·4	87·9	89·1	89·5	89·4	89·2	89·2	90·0	92·9	93·3	94·2	96·0	96·9	96·2	96·1	95·4	94·0	93·4	92·7	92·0	91·5	91·6
19	91·1	90·6	89·8	89·4	89·4	90·4	91·8	93·4	95·2	95·9	96·2	97·0	98·0	94·0	96·2	98·3	98·6	98·6	97·6	96·0	93·7	92·9	92·3	91·6	94·1
20	91·6	91·1	91·2	90·7	90·9	91·4	93·1	94·6	96·1	97·9	99·2	00·4	01·3	01·7	01·6	01·3	01·2	00·5	99·6	97·7	96·6	95·3	95·1	94·3	96·4
21	93·5	93·0	92·8	91·9	92·3	93·2	94·6	96·5	98·4	99·4	98·7	00·2	00·8	00·9	00·3	98·6	98·1	97·1	95·7	93·2	91·5	91·2	90·6	90·2	95·6
22	89·8	89·6	89·3	89·2	89·0	89·0	90·8	91·7	92·5	93·3	93·8	94·5	95·9	96·2	96·8	97·3	97·8	98·5	98·6	95·2	92·1	90·9	91·2	91·5	93·1
23	90·1	89·6	89·3	89·1	88·8	90·6	91·1	91·5	92·2	93·4	94·6	95·3	96·0	96·4	96·7	97·1	97·4	96·6	96·3	94·7	93·6	93·0	91·5	90·1	93·2
24	89·7	89·3	88·3	88·1	88·3	89·6	90·8	92·5	93·6	94·2	95·3	96·2	96·5	97·4	97·5	97·9	97·7	98·1	96·8	95·7	94·2	93·0	92·7	91·8	93·5
25	90·2	89·7	88·9	87·8	88·4	90·2	91·5	93·0	93·4	94·7	95·6	96·5	97·0	97·7	97·6	97·7	97·5	96·5	94·3	92·8	91·7	91·0	90·4	88·8	93·1
26	88·9	88·7	88·7	88·5	88·5	88·5	88·4	88·4	87·2	86·8	87·4	88·0	88·5	88·7	89·2	88·7	90·1	90·2	89·7	88·6	87·3	87·4	87·0	87·4	88·4
27	87·0	87·1	87·0	86·7	86·9	87·5	87·6	88·7	90·0	91·6	92·4	93·6	94·6	95·6	95·1	96·5	94·3	94·0	92·7	91·2	89·7	89·1	88·5	88·7	90·6
28	88·6	87·6	87·0	86·6	88·2	88·7	89·2	90·4	91·9	92·9	93·7	94·4	94·5	95·3	95·1	96·9	96·2	94·8	94·7	92·2	90·4	90·1	89·7	89·4	91·6
29	89·3	89·2	88·9	88·5	88·3	88·8	89·4	90·1	90·0	89·9	90·2	90·6	91·1	91·5	91·7	92·2	92·0	90·0	89·0	89·1	89·0	89·0	88·7	88·1	89·8
30	88·2	88·4	88·3	88·4	88·8	89·6	90·2	90·4	91·7	90·9	89·6	90·6	92·2	93·0	93·2	93·3	92·8	92·0	91·4	90·2	89·7	89·5	89·3	89·1	90·4
Mean	86·5	86·3	86·0	85·6	85·9	86·5	87·3	88·3	89·2	89·9	90·5	91·4	91·9	92·2	92·5	92·7	92·7	92·2	91·5	90·0	88·7	88·0	87·5	87·1	89·2
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE.- The initial 2 or 3 of the readings is omitted, i.e. 275·0 degrees absolute is written 75·0

Readings in degrees absolute at exact hours, Greenwich Mean Time

462 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	89·0	88·6	88·3	88·2	88·4	88·2	88·4	89·7	90·2	91·1	92·2	92·2	93·2	92·5	93·1	93·6	93·9	94·1	93·5	90·4	88·4	88·0	87·4	87·2	90·4
2	87·4	87·4	87·3	87·4	87·8	88·2	88·5	88·6	89·0	89·3	90·5	91·2	91·0	92·0	93·2	93·1	91·6	91·9	90·9	90·0	89·3	89·2	89·0	88·7	89·7
3	88·3	88·1	87·9	87·8	88·0	88·1	88·9	89·7	90·7	91·6	92·1	91·4	92·9	92·8	92·7	92·0	91·4	91·2	91·0	90·4	90·2	90·1	89·9	89·8	90·3
4	89·7	89·7	89·6	88·8	88·0	88·2	88·9	90·0	91·2	92·6	93·2	94·0	95·0	93·6	93·3	92·6	92·0	91·8	91·7	91·5	90·8	90·1	89·6	89·9	91·1
5	89·7	89·7	89·6	89·1	89·0	89·5	90·4	91·4	93·0	93·5	92·9	93·5	94·1	94·6	95·1	96·9	95·7	97·0	95·6	94·2	92·5	91·0	90·0	89·2	92·4
6	88·1	87·7	87·5	87·5	87·0	87·5	88·4	89·6	91·0	92·1	94·2	95·0	95·8	95·8	95·0	95·4	95·4	96·9	96·7	94·2	92·4	91·7	91·0	90·7	91·9
7	90·8	90·8	90·8	90·6	90·3	90·9	91·6	91·5	92·7	93·6	95·0	95·7	95·9	95·3	94·7	94·4	95·5	95·5	93·1	91·9	90·4	90·1	89·9	89·2	92·5
8	89·1	88·0	87·0	86·5	86·9	87·3	89·0	89·1	90·6	91·3	92·2	92·6	93·3	92·3	94·3	90·0	92·5	93·1	91·5	90·1	89·1	88·6	87·9	87·8	90·0
9	87·4	87·2	86·4	86·4	86·8	87·7	88·3	89·0	88·6	88·0	87·5	87·0	87·1	87·1	86·6	86·4	86·2	86·4	86·4	86·3	85·9	85·8	85·7	85·7	87·0
10	85·6	85·1	84·7	84·7	85·1	85·8	86·6	87·3	87·4	86·8	86·5	85·9	88·1	88·5	90·4	90·5	88·3	87·5	87·4	86·7	86·5	86·2	86·2	85·7	86·8
11	85·6	85·6	85·6	85·6	85·6	86·1	86·9	88·1	89·3	90·2	90·5	90·5	90·3	89·1	89·5	88·2	88·1	88·5	88·1	87·6	87·1	86·7	86·5	86·4	87·7
12	86·2	86·1	86·1	86·0	86·2	87·0	87·9	88·6	90·2	90·7	91·6	91·7	91·1	91·5	89·5	87·6	87·6	88·1	89·3	89·3	88·7	88·5	88·6	88·6	88·6
13	88·7	88·8	88·8	88·9	89·1	89·5	89·9	90·5	89·8	90·8	91·2	91·3	91·6	92·3	92·2	92·9	92·9	92·6	92·0	90·2	89·1	88·7	87·9	87·2	90·3
14	86·7	87·1	86·7	86·4	87·0	88·2	88·9	89·0	89·7	91·1	91·4	92·8	93·2	93·5	93·4	92·6	91·2	90·0	89·2	88·7	88·1	87·4	86·8	86·5	89·4
15	85·8	85·3	85·2	85·3	85·8	86·1	86·5	85·1	85·5	86·0	86·9	87·8	88·9	90·5	90·2	91·4	92·0	91·7	91·1	90·0	88·5	87·7	87·3	87·5	87·8
16	86·6	86·4	86·5	86·3	86·4	87·2	88·1	89·7	90·2	91·4	92·0	92·2	92·4	93·8	94·2	94·2	93·9	94·5	92·2	91·0	90·2	89·6	88·9	88·5	90·2
17	88·2	88·0	88·0	88·1	88·2	88·9	89·5	90·4	91·8	93·3	94·6	95·3	96·1	96·3	96·4	97·0	96·6	96·6	97·1	95·7	93·8	92·3	92·0	91·3	92·7
18	90·2	89·9	89·4	89·4	89·5	90·0	90·2	90·6	90·8	90·9	91·3	92·0	91·9	92·2	92·5	93·2	92·9	91·6	89·7	88·0	87·5	88·1	88·7	88·8	90·4
19	88·6	88·5	88·5	88·5	88·6	88·9	89·9	89·6	90·6	91·0	91·7	92·1	92·0	92·5	92·1	91·7	91·0	87·7	88·4	88·3	87·9	87·7	87·5	87·2	89·6
20	86·7	86·5	86·4	86·3	86·1	87·1	87·8	88·4	89·9	90·1	90·7	91·3	91·2	90·7	91·2	89·6	90·1	91·1	90·8	90·0	89·5	89·0	88·5	88·2	89·0
21	87·7	86·7	85·9	85·3	85·7	86·5	87·8	88·5	88·9	89·2	90·3	90·3	90·6	90·5	88·6	90·3	90·6	90·0	89·4	88·9	88·1	87·7	86·9	86·3	88·4
22	86·1	85·2	84·0	84·0	83·1	84·9	85·8	87·5	88·9	90·1	90·9	92·1	91·5	91·3	91·7	92·2	92·5	91·4	90·7	89·7	88·5	88·0	87·3	87·1	88·5
23	86·9	87·0	86·9	86·9	86·8	86·8	87·3	88·0	87·9	88·1	88·1	88·6	89·9	90·6	90·8	90·9	91·0	90·9	90·4	89·9	89·0	88·8	88·6	87·6	88·6
24	87·3	87·7	87·6	87·6	87·8	88·1	88·4	89·7	90·2	91·3	91·5	92·6	93·0	93·0	93·2	93·0	92·7	93·0	92·2	89·7	88·5	87·6	87·2	86·7	90·0
25	86·6	86·2	85·8	85·4	86·2	87·4	88·3	89·7	91·1	90·4	91·0	91·9	90·9	92·2	87·9	87·0	89·2	90·9	89·3	88·1	86·8	86·0	85·2	84·7	88·3
26	84·3	84·4	84·0	83·7	84·4	86·0	86·9	87·3	89·0	89·7	90·0	90·7	89·1	90·6	89·9	89·6	88·2	88·9	89·1	87·6	86·5	85·8	84·9	84·5	87·3
27	83·9	83·6	83·3	83·0	81·7	84·2	85·7	87·2	89·0	89·4	89·9	91·0	91·6	92·6	93·1	93·0	92·3	92·2	90·5	88·9	87·6	86·5	86·5	86·5	88·0
28	86·1	86·0	86·0	86·2	86·2	86·7	87·0	88·6	89·2	90·7	91·3	90·4	89·2	89·2	89·1	89·0	88·6	89·3	87·9	87·2	87·1	87·1	86·8	86·6	88·0
29	86·5	86·2	86·0	85·9	85·8	86·1	86·9	86·5	86·4	87·2	88·5	90·0	89·6	90·2	90·7	90·9	89·6	89·6	89·8	88·5	87·6	86·9	86·1	85·4	87·8
30	84·6	84·2	83·2	82·5	82·9	83·4	84·4	85·7	86·5	88·4	90·4	91·4	92·5	92·6	92·9	92·4	92·1	91·6	91·2	90·6	89·6	89·5	88·7	88·2	88·3
31	87·5	87·1	86·7	86·5	86·5	86·9	87·2	87·6	88·6	89·2	89·5	89·5	89·3	89·5	90·2	91·6	92·5	92·9	91·7	90·3	89·8	89·5	89·2	88·9	89·1
Mean	87·3	87·1	86·8	86·6	86·7	87·3	88·1	88·8	89·6	90·3	91·0	91·4	91·7	91·9	91·9	91·7	91·6	91·6	90·9	89·8	88·9	88·4	88·0	87·6	89·4

463 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres AUGUST, 1936

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	88·7	88·8	88·8	88·5	88·5	89·0	89·6	89·5	89·6	90·4	91·6	92·3	91·0	90·5	90·9	90·6	90·9	90·5	90·0	89·5	88·4	87·7	86·0	85·3	89·5
2	85·6	85·1	85·0	85·2	85·5	86·0	86·4	87·1	88·0	88·6	88·2	88·6	89·2	91·6	92·6	92·4	92·5	92·0	90·7	90·0	89·7	89·2	88·8	88·4	88·5
3	88·4	88·4	88·1	87·6	87·3	87·5	87·8	88·6	89·3	89·6	90·2	90·8	91·5	91·4	91·2	91·0	91·0	90·7	90·6	88·8	88·0	87·4	86·8	86·4	89·1
4	85·8	85·5	85·3	85·1	85·2	85·6	86·9	87·6	87·9	89·7	90·0	90·6	91·0	90·4	90·7	91·1	91·5	91·3	90·9	88·8	87·7	86·8	86·2	86·7	88·3
5	86·8	86·3	85·9	85·9	86·0	86·5	87·3	88·1	89·1	89·8	90·1	91·0	91·6	91·8	92·2	91·8	92·0	92·4	91·7	89·7	88·6	88·5	88·1	87·6	89·1
6	87·4	86·8	87·0	87·3	87·9	88·2	89·0	90·0	90·7	91·0	91·3	91·2	91·3	91·0	91·1	90·5	90·3	90·0	89·6	89·5	89·1	88·6	88·4	88·1	89·4
7	88·0	87·9	88·0	88·3	88·1	87·4	87·5	87·1	87·5	87·5	87·6	87·6	87·8	87·7	87·5	87·7	87·7	87·9	87·6	87·3	87·1	87·1	86·9	86·8	87·6
8	86·1	86·2	86·3	86·3	85·6	84·9	85·2	86·5	88·1	89·5	90·4	91·2	91·4	92·3	92·7	93·3	92·9	92·4	90·9	88·7	87·1	86·5	86·7	85·2	88·6
9	84·6	83·9	84·7	85·0	85·0	85·6	86·5	88·2	90·6	91·0	92·5	93·0	94·3	94·5	94·5	94·4	94·2	93·4	92·5	91·3	90·0	88·9	88·4	87·4	89·7
10	86·9	86·2	87·8	87·0	87·0	87·1	88·0	89·5	90·5	92·3	94·0	94·2	94·6	94·9	94·7	95·0	94·3	92·2	91·6	90·7	90·5	90·2	90·4	89·5	90·7
11	88·1	87·9	87·9	87·8	87·6	87·6	87·7	88·3	89·3	90·0	90·5	91·0	91·9	92·3	92·4	92·6	93·2	92·8	91·9	90·8	90·2	89·2	89·0	88·4	90·0
12	87·6	86·7	86·1	85·6	85·4	85·8	87·2	87·6	87·9	88·9	89·3	90·2	91·7	91·5	92·7	92·6	92·2	92·5	91·7	90·6	90·2	89·4	88·2	87·3	89·1
13	86·3	85·6	85·4	85·4	85·5	85·8	86·6	87·8	89·4	90·0	91·5	91·7	92·6	91·8	91·4	92·9	92·6	92·7	92·1	89·2	88·2	87·6	86·9	86·4	89·0
14	86·8	87·1	87·2	86·9	86·9	87·9	88·8	89·2	89·8	90·6	91·6	92·6	92·9	93·3	93·0	93·3	93·0	92·9	91·9	89·4	87·0	86·3	86·2	85·6	89·6
15	85·0	84·6	83·9	83·4	82·3	84·2	84·8	86·5	89·1	92·2	93·4	95·3	96·3	96·4	97·2	97·6	96·7	96·7	95·2	92·4	90·4	89·5	88·4	87·6	90·3
16	87·3	87·3	86·3	86·3	86·2	86·2	87·0	88·5	91·2	93·3	94·4	95·6	96·5	97·7	98·3	98·0	98·6	97·0	96·2	94·4	91·7	91·2	90·4	90·0	92·0
17	89·3	88·3	89·2	89·5	88·4	89·4	90·1	91·5	92·3	93·6	94·3	95·6	96·2	96·6	96·7	97·3	96·7	95·1	94·2	92·5	91·6	90·7	90·2	89·8	92·5
18	89·8	89·9	89·9	89·9	90·0	90·1	90·3	91·4	91·9	92·9	93·2	94·5	94·3	94·1	94·2	94·5	93·9	93·6	91·9	90·5	88·4	88·7	88·7	88·1	91·5
19	88·0	87·7	87·6	87·0	87·2	87·2	87·9	88·6	89·6	90·6	91·4	91·9	91·4	91·1	90·1	89·0	88·2	88·3	88·5	88·7	89·2	89·4	89·5	89·6	89·0
20	89·6	89·5	89·0	89·0	88·8	89·0	89·5	90·3	90·8	91·7	92·1	93·5	93·8	94·2	94·8	95·3	95·1	95·3	93·7	91·5	90·3	89·9	89·2	88·4	91·5
21	88·2	88·2	88·4	88·3	87·9	87·7	88·8	89·0	89·6	90·4	91·5	92·5	92·5	93·5	94·1	93·7	93·5	93·4	92·5	91·3	90·3	89·7	88·5	87·5	90·5
22	86·7	85·7	84·2	84·7	84·0	84·5	85·6	87·3	89·4	90·5	92·0	92·3	92·3	92·5	93·3	93·2	93·1	92·6	91·4	90·2	89·1	86·9	85·3	84·8	88·9
23	84·1	83·7	82·9	82·3	81·5	82·9	84·0	85·8	88·1	89·9	91·2	92·0	93·3	94·4	95·1	95·6	95·9	95·6	94·1	90·8	90·6	89·6	88·7	87·6	89·1
24	86·8	86·3	85·6	85·9	85·6	86·1	87·2	88·0	91·1	92·9	94·4	95·7	96·6	97·5	98·1	98·0	97·9	97·6	96·3	94·8	92·9	92·4	90·4	89·6	91·9
25	88·9	88·6	87·9	87·2	86·6	87·0	88·6	90·3	93·2	94·7	95·5	96·2	97·0	97·4	98·3	98·4	97·4	97·8	96·2	93·0	92·4	93·2	91·9	91·4	92·8
26	90·9	91·1	90·6	90·9	90·5	90·1	90·0	90·6	90·8	91·1	91·7	92·3	93·8	94·2	94·1	93·6	92·7	91·6	89·7	88·6	88·1	87·7	87·2	87·0	90·9
27	87·2	86·9	86·6	86·4	85·9	85·9	87·0	89·2	90·2	91·4	92·2	92·5	92·9	93·4	93·2	92·9	92·4	91·3	89·6	88·6	88·3	88·0	87·1	86·9	89·4
28	85·7	85·2	84·4	84·9	85·9	85·9	86·2	86·7	87·9	90·1	92·2	94·0	95·6	96·9	97·5	97·1	96·7	95·5	93·2	91·1	89·1	87·4	86·7	86·1	90·1
29	85·1	84·3	82·9	82·2	82·8	82·8	83·2	84·7	87·5	90·2	93·6	95·5	97·6	98·7	99·1	99·4	99·4	97·5	93·8	91·8	91·4	90·2	88·8	88·9	90·4
30	88·2	87·9	87·1	87·0	85·6	86·7	88·3	90·0	92·4	94·5	95·6	96·8	98·0	98·7	98·5	98·6	98·0	96·7	95·6	94·8	93·7	92·9	92·2	91·1	92·8
31	90·2	89·6	89·3	88·8	89·4	89·5	89·7	90·4	90·8	91·5	91·6	92·2	93·2	93·2	93·2	92·9	92·8	92·8	92·4	92·0	91·5	91·0	91·1	90·6	91·3
Mean	87·4	87·0	86·7	86·6	86·5	86·8	87·5	88·5	89·8	91·0	91·9	92·7	93·4	93·7	94·0	94·0	93·8	93·3	92·2	90·7	89·7	89·1	88·4	87·9	90·1

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

464 **KEW OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres **SEPTEMBER, 1936**

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	89·4	89·2	88·2	87·5	87·0	87·2	88·6	90·0	90·7	90·9	91·0	91·6	92·0	93·3	93·8	94·1	94·6	93·4	92·4	92·3	91·9	90·8	89·8	89·7	90·8
2	89·2	89·0	89·4	89·4	89·3	89·7	90·3	91·6	91·7	92·7	93·5	94·6	95·2	96·0	95·4	94·9	94·4	94·3	92·4	91·6	90·8	90·2	89·4	88·0	91·8
3	87·0	86·7	87·2	87·7	87·7	87·8	88·5	89·9	91·4	92·8	92·2	93·0	93·9	93·8	93·0	92·6	92·2	92·4	91·6	90·3	89·4	88·8	88·6	88·4	90·3
4	88·1	88·0	87·7	87·2	87·4	87·6	88·4	88·3	89·0	90·7	90·8	91·7	91·6	92·1	91·9	91·4	91·1	91·2	90·0	89·6	89·4	89·0	89·0	89·1	89·6
5	89·1	88·9	88·4	88·0	87·8	87·8	88·5	89·2	89·8	90·2	89·5	90·6	88·4	87·3	88·1	88·6	90·0	89·0	88·2	88·1	87·8	87·6	37·4	87·1	88·6
6	86·8	87·1	87·0	86·8	86·7	86·6	86·8	87·2	88·4	89·4	89·8	90·0	90·6	90·3	90·3	90·1	89·9	89·6	89·1	88·8	88·7	88·8	88·8	89·0	88·6
7	89·3	89·6	88·8	88·8	89·2	89·6	91·0	89·6	91·1	90·1	90·3	90·5	91·0	91·4	91·1	90·2	90·1	89·1	88·8	88·4	88·1	87·8	88·0	87·5	89·5
8	86·8	86·6	86·5	86·2	86·0	86·2	85·9	86·5	86·7	87·6	88·7	90·2	90·5	90·4	90·1	90·0	90·3	89·7	89·2	88·6	87·8	87·4	86·6	86·2	88·0
9	86·0	86·0	86·0	84·3	84·8	84·7	85·8	86·4	87·2	87·6	88·6	89·7	90·5	92·3	92·3	92·2	92·4	90·9	89·2	88·3	87·2	87·0	87·4	87·1	88·1
10	87·2	87·3	87·7	87·7	87·6	87·6	87·8	88·2	88·6	89·6	91·0	91·9	92·0	92·4	93·0	92·6	93·5	91·3	89·2	87·8	87·9	88·1	86·4	87·8	89·4
11	87·4	88·2	88·2	88·4	88·2	87·3	88·0	89·2	90·6	92·8	93·8	94·7	95·4	95·7	94·9	94·8	94·2	93·0	91·8	91·0	90·9	91·2	91·4	91·2	91·3
12	90·6	89·4	89·6	89·6	89·0	88·9	89·4	90·6	90·6	90·8	91·6	91·9	92·1	91·7	91·5	92·4	92·1	90·6	89·9	89·4	88·8	88·7	88·9	89·0	90·3
13	88·8	88·8	89·1	89·2	89·2	89·2	89·3	89·4	89·8	90·7	91·3	91·4	92·4	92·9	93·7	93·7	94·0	92·9	91·0	89·5	88·8	87·6	86·7	85·8	90·3
14	85·4	84·6	84·1	83·8	83·9	83·5	84·2	85·2	86·8	88·2	89·6	90·4	91·1	92·1	92·1	90·6	90·4	89·5	88·4	87·4	86·4	85·6	85·4	85·6	87·3
15	85·6	85·3	84·5	84·3	84·2	84·0	84·6	84·9	85·7	86·6	87·0	87·6	88·6	89·8	89·1	85·7	86·4	86·4	85·6	85·0	84·6	84·6	84·1	84·1	85·8
16	84·4	84·6	84·9	84·6	84·2	83·8	84·8	85·8	87·2	88·0	89·7	90·3	91·4	91·1	91·3	91·2	91·0	90·5	89·7	89·5	89·0	88·8	88·3	88·0	87·9
17	87·7	87·7	87·9	88·0	87·9	87·6	87·7	88·4	88·8	89·0	89·7	90·8	91·6	92·5	93·1	93·3	92·8	91·5	90·6	90·0	89·9	89·3	88·9	88·2	89·7
18	87·6	87·6	87·5	87·5	87·3	87·1	87·1	87·5	88·1	88·7	90·5	90·1	90·6	91·4	91·4	91·3	90·1	89·7	88·6	86·7	85·9	85·3	85·2	84·9	88·3
19	84·6	84·5	84·2	83·4	83·9	84·5	85·0	85·8	87·1	88·2	88·9	89·0	89·3	89·7	90·3	90·6	90·5	89·6	89·0	88·4	87·9	87·6	87·0	86·5	87·3
20	86·1	86·0	86·2	86·7	87·6	87·9	88·3	89·2	90·1	91·1	92·6	93·1	92·8	93·0	93·1	92·6	90·5	89·8	90·0	90·2	90·3	90·2	90·1	90·1	89·8
21	90·0	89·8	89·6	89·4	89·3	89·2	89·4	89·6	89·8	90·6	90·8	90·4	91·4	91·4	91·6	90·6	90·6	90·0	89·7	89·2	88·1	87·1	85·7	85·9	89·6
22	85·5	85·0	85·4	84·6	84·6	84·9	85·4	85·7	86·2	87·0	87·7	89·0	90·1	90·9	91·4	91·9	91·6	89·6	88·0	87·1	86·2	85·6	84·9	84·7	87·2
23	84·9	84·6	84·2	84·6	84·6	85·0	85·3	85·6	86·5	88·2	89·4	90·4	90·9	92·0	92·6	92·2	91·2	90·0	89·2	88·6	88·0	87·9	88·2	88·1	87·9
24	88·0	88·0	88·0	88·0	88·0	88·0	88·2	88·4	89·2	90·2	91·3	93·0	93·9	94·3	93·9	93·4	92·6	91·9	91·3	90·7	90·6	90·6	90·2	90·0	90·5
25	90·0	90·0	90·1	90·2	90·2	90·0	90·1	90·2	90·2	90·1	90·4	90·4	91·2	91·6	91·8	91·9	91·7	91·4	90·5	90·0	89·3	89·2	89·0	88·5	90·4
26	88·0	86·5	85·7	84·7	84·2	83·5	83·2	83·3	83·6	84·2	84·4	85·2	85·7	87·0	86·3	86·0	85·8	85·0	84·6	84·0	83·8	83·6	83·2	82·8	84·9
27	82·7	82·1	82·0	81·9	82·0	81·8	81·8	82·1	82·8	83·5	83·6	84·4	84·7	85·4	83·5	84·4	83·4	82·6	81·8	81·6	81·1	80·7	81·1	81·6	82·6
28	81·3	81·4	81·4	81·0	81·0	80·5	80·9	82·6	83·6	84·8	85·5	85·4	85·9	86·3	86·3	86·3	86·0	84·7	83·5	82·7	82·0	81·2	80·4	80·5	83·2
29	80·5	79·9	79·6	79·0	79·0	78·8	79·5	81·2	82·7	84·3	85·0	85·6	85·6	85·9	86·1	85·8	85·6	84·9	84·2	83·3	80·7	80·0	79·9	79·8	82·4
30	79·8	79·2	79·5	79·8	80·2	80·7	82·2	82·7	83·6	84·3	85·9	86·2	86·2	86·2	85·8	85·7	85·6	85·1	84·7	84·7	84·6	84·4	84·1	83·9	83·4
Mean	86·6	86·4	86·3	86·1	86·1	86·0	86·5	87·1	87·9	88·8	89·5	90·1	90·6	91·0	91·0	90·7	90·5	89·7	88·7	88·1	87·5	87·2	86·9	86·6	88·2

465 **KEW OBSERVATORY:** North Wall Screen: h_t = 3·0 metres **OCTOBER, 1936**

Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	83·8	83·5	83·4	83·4	83·2	83·0	83·3	83·8	84·8	85·4	86·0	86·2	86·2	86·2	86·2	85·8	85·5	85·2	85·1	84·9	84·7	84·7	84·6	84·5	84·7
2	84·4	84·2	84·1	84·0	83·9	83·7	84·0	84·2	84·7	85·0	86·0	86·5	86·8	86·6	87·2	86·3	85·2	84·0	83·8	83·4	81·3	80·0	80·4	79·7	84·3
3	78·7	78·1	77·5	76·7	77·7	77·2	77·7	80·3	82·5	84·1	84·9	85·8	86·4	86·8	86·9	86·3	85·0	82·6	82·1	80·1	79·4	79·4	79·0	78·2	81·4
4	77·4	77·3	76·6	76·6	76·3	76·3	77·0	78·7	80·9	83·9	85·1	86·6	87·7	88·5	88·7	88·0	86·3	83·9	83·1	81·9	80·5	80·3	78·7	76·9	81·6
5	75·7	75·7	74·8	75·6	75·2	74·1	75·7	76·5	82·4	83·1	83·9	84·5	84·2	83·9	83·4	83·1	82·7	82·5	82·1	81·5	80·8	80·5	80·5	80·2	80·0
6	80·1	80·1	80·0	79·2	78·6	78·2	77·9	78·6	80·3	82·5	83·0	83·0	83·2	81·3	81·9	82·4	82·2	81·4	80·5	79·9	79·3	78·5	77·9	77·3	80·4
7	77·4	77·0	76·7	77·0	76·9	77·0	78·2	80·0	81·4	82·5	82·5	82·9	83·5	83·7	83·6	83·7	83·1	82·9	82·3	81·1	80·2	79·2	78·9	78·9	80·4
8	79·4	80·3	80·6	80·7	80·6	80·2	80·0	80·1	80·8	81·6	81·3	82·0	81·9	82·9	83·0	82·7	82·1	81·4	79·7	80·0	80·8	80·9	80·8	80·9	81·0
9	80·8	80·4	79·0	77·9	78·7	79·4	79·6	80·3	81·3	82·2	82·9	83·5	83·6	83·6	82·6	82·3	81·7	81·6	81·6	81·3	80·7	80·3	80·1	80·1	81·1
10	79·8	79·6	79·9	80·0	79·7	79·5	79·8	80·4	81·7	82·3	83·3	83·9	83·7	83·7	84·0	83·5	82·6	82·2	81·9	81·6	81·3	80·6	79·5	79·2	81·4
11	79·2	79·6	79·2	78·6	77·8	77·4	78·0	79·1	80·1	81·7	83·6	84·3	83·7	84·2	84·1	84·1	83·6	82·6	80·0	79·2	77·4	76·2	76·9	77·1	80·4
12	77·2	77·6	77·7	77·8	78·0	78·3	78·7	79·4	80·4	81·6	83·5	85·2	86·6	87·0	87·4	86·9	86·0	85·2	83·9	82·9	83·0	82·9	81·8	81·0	82·0
13	81·3	81·2	80·5	80·6	80·4	80·5	81·0	81·6	82·5	84·7	86·1	86·1	86·2	86·7	86·4	86·0	85·6	84·6	84·1	83·4	82·4	81·6	80·7	79·7	83·1
14	79·2	79·3	80·0	80·5	80·8	80·5	80·9	82·0	83·4	84·4	85·0	85·4	86·3	86·0	86·8	87·2	87·2	87·3	87·0	86·7	86·3	86·2	84·8	84·2	84·0
15	83·5	83·0	83·0	83·1	82·7	82·7	83·3	84·9	86·4	88·4	89·5	90·0	90·4	90·9	90·8	90·0	89·2	88·3	86·8	85·7	85·1	83·8	83·5	83·2	86·2
16	82·6	82·2	81·9	81·6	81·5	81·1	81·0	82·0	83·6	85·1	86·6	87·6	87·7	87·6	87·5	87·1	86·3	85·0	84·6	84·0	84·4	84·3	84·5	84·5	84·3
17	83·9	83·4	83·4	83·3	83·7	84·8	85·6	86·2	86·7	87·2	87·6	87·9	87·8	88·0	88·0	87·9	87·6	87·1	86·9	87·1	87·2	86·6	87·0	86·7	86·3
18	85·6	85·2	84·9	84·3	83·5	82·9	82·4	82·0	83·1	84·2	85·2	85·9	86·7	86·5	86·6	86·0	85·0	83·8	82·7	81·6	81·0	80·7	80·3	80·0	83·9
19	79·1	79·1	79·6	80·4	81·1	81·9	82·2	82·6	83·6	85·0	86·0	86·0	85·6	85·2	85·6	85·2	83·8	82·6	83·0	82·2	81·9	81·3	80·7	80·2	82·7
20	79·7	79·3	79·7	78·9	78·6	78·8	78·9	80·0	80·9	81·8	82·6	82·8	83·5	84·0	83·6	83·3	83·2	82·3	82·3	82·3	82·5	82·6	82·8	83·2	81·5
21	83·3	83·0	82·9	83·2	83·4	83·5	83·7	83·9	84·2	84·7	84·9	85·4	85·7	85·8	86·3	86·3	86·0	85·8	85·9	85·7	85·6	85·2	84·6	83·8	84·7
22	83·2	82·4	81·7	81·0	80·8	80·7	80·1	81·0	82·7	83·9	85·5	86·9	88·2	88·4	88·5	87·9	87·2	86·7	86·4	86·1	85·9	85·7	85·4	85·2	84·6
23	85·0	84·9	84·8	84·3	84·6	84·4	84·5	84·5	85·1	85·9	87·3	87·5	86·7	85·5	85·7	85·9	85·6	85·4	84·9	84·6	85·0	84·9	84·7	84·6	85·3
24	84·5	83·1	83·0	82·9	82·2	81·5	81·5	81·0	81·3	81·7	82·8	84·0	85·0	86·0	86·4	85·5	84·3	83·5	82·9	82·9	82·8	83·4	84·3	84·7	83·4
25	85·0	85·3	85·5	85·2	85·0	85·3	85·3	83·9	83·7	83·5	84·0	84·3	84·4	84·6	83·8	79·6	79·6	79·4	80·0	79·3	79·1	79·5	79·3	78·5	82·7
26	78·3	78·4	79·0	79·5	79·8	80·6	81·0	81·2	81·7	82·5	83·7	85·0	86·7	87·6	87·9	88·4	88·1	87·9	87·4	87·5	87·4	87·3	87·0	85·9	84·0
27	84·8	83·5	83·1	82·4	81·6	81·4	81·1	81·2	81·9	82·9	83·6	84·0	84·0	84·0	83·7	82·5	81·5	81·4	80·0	79·7	79·8	79 1	79·2	78·9	82·0
28	79·0	79·1	79·2	79·2	79·4	79·5	79·4	79·9	81·2	82·4	83·2	83·3	83·8	83·9	83·5	83·3	82·5	81·9	81·1	80·2	79·5	78·8	77·9	77·1	80·8
29	76·7	76·0	75·5	74·8	74·3	74·1	74·1	74·2	75·5	77·6	80·3	83·2	83·9	84·4	84·1	83·7	83·5	83·7	84·1	84·5	84·8	85·0	85·1	85·3	80·2
30	85·4	85·0	84·4	83·2	83·4	83·2	82·7	83·3	85·6	86·9	87·5	88·5	89·4	88·8	88·4	87·6	87·5	87·2	87·0	87·0	86·9	86·5	86·3	86·2	86·1
31	86·0	85·7	85·5	85·3	85·1	84·7	83·0	82·7	82·4	82·7	82·6	82·6	82·5	82·2	81·9	82·0	81·8	81·7	81·7	81·0	80·4	79·5	79·2	78·7	82·7
Mean	81·3	81·1	80·9	80·7	80·6	80·5	80·7	81·3	82·5	83·6	84·5	85·2	85·5	85·6	85·6	85·2	84·6	83·9	83·4	82·9	82·5	82·1	81·8	81·4	82·8
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

466 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	78·4	77·6	77·0	76·4	75·7	75·4	74·6	75·0	76·2	77·5	79·2	81·0	81·9	82·6	82·5	82·0	80·7	80·2	80·2	80·3	80·6	80·6	80·7	80·8	79·0
2	80·9	81·1	81·3	81·5	81·5	81·5	81·5	81·5	81·8	82·7	84·0	84·2	84·4	84·2	83·8	83·1	83·0	82·9	82·5	81·6	79·7	80·0	78·1	77·5	81·9
3	78·2	77·9	78·0	78·5	78·6	78·9	79·6	80·0	80·7	81·3	81·7	82·0	82·2	82·5	82·5	82·5	82·5	82·5	82·4	82·2	82·1	82·0	82·0	81·8	80·9
4	81·6	81·2	81·0	80·4	79·5	79·5	78·7	78·5	79·0	79·6	81·1	82·6	83·6	83·9	84·0	83·5	82·6	82·5	82·2	81·3	80·9	81·1	81·0	81·0	81·3
5	80·8	80·8	81·0	81·0	80·9	81·3	82·2	83·0	83·2	83·4	83·5	83·9	84·5	84·3	83·6	83·0	82·4	81·6	81·0	80·6	80·3	79·8	79·3	78·9	81·9
6	78·5	78·1	77·5	76·0	76·7	77·1	77·6	77·6	80·4	82·1	83·0	83·7	84·3	84·1	83·7	83·0	82·5	81·8	81·9	82·5	82·0	81·0	80·0	79·4	80·6
7	79·6	79·9	80·4	80·0	80·0	80·2	80·0	79·8	80·2	80·7	81·5	81·7	83·0	82·3	82·4	81·5	81·3	81·3	80·9	80·7	80·9	81·5	81·2	80·7	80·9
8	80·5	81·0	80·4	80·4	80·6	80·4	80·5	80·7	81·0	81·4	82·0	82·6	82·8	82·8	81·8	79·0	78·6	79·1	78·7	78·7	79·1	78·7	79·4	79·5	80·4
9	80·3	80·9	81·2	81·4	81·4	81·6	81·6	81·7	82·4	82·7	83·6	84·3	85·0	85·3	85·0	84·0	83·2	82·6	82·3	81·5	81·3	80·8	80·6	80·5	82·3
10	80·3	80·0	80·0	80·0	80·0	80·7	80·5	80·3	80·7	81·7	82·1	82·2	82·2	81·2	80·9	80·9	79·7	79·1	78·9	78·4	78·1	77·3	77·0	76·3	80·0
11	75·7	75·5	75·1	74·7	74·8	74·6	73·8	73·9	75·6	79·4	80·8	81·3	81·2	80·6	80·7	81·4	81·6	82·0	82·5	83·7	84·7	84·8	84·5	84·2	79·3
12	84·1	83·9	83·2	83·9	83·2	83·2	83·0	82·8	83·1	83·2	83·8	84·6	84·6	84·8	84·8	84·5	84·1	83·9	83·7	83·6	83·2	83·5	83·6	82·9	83·7
13	82·8	82·7	82·6	81·9	81·8	82·0	82·1	81·9	81·8	82·0	82·4	82·4	82·5	82·6	82·7	82·3	81·5	81·1	80·6	79·9	79·6	79·0	77·9	77·3	81·5
14	76·4	74·7	74·8	75·5	75·5	76·3	78·0	79·6	80·8	81·0	81·5	82·6	83·3	83·7	83·4	82·7	81·7	81·0	80·0	79·5	79·0	79·1	78·7	78·4	79·4
15	78·3	77·7	76·8	76·6	76·3	75·7	75·7	76·4	78·3	79·7	81·0	82·1	82·9	83·0	83·4	83·1	83·1	83·3	83·5	83·7	84·1	84·0	84·1	84·2	80·6
16	84·3	84·5	84·7	84·6	84·5	84·0	83·9	83·9	84·0	84·4	84·5	84·7	84·6	84·6	84·5	83·9	83·8	83·5	83·6	83·7	84·4	84·7	84·9	85·0	84·3
17	85·0	85·0	85·0	85·1	85·1	85·1	85·2	85·2	85·6	85·8	86·0	85·9	86·3	86·2	86·1	86·0	85·9	85·4	85·2	84·0	81·9	81·5	81·0	80·7	84·8
18	80·9	80·7	80·8	80·8	80·7	80·5	80·1	80·2	80·2	80·0	80·9	81·4	81·5	81·3	81·5	81·1	80·6	80·6	80·7	80·9	80·8	80·7	80·5	80·5	80·7
19	80·5	80·5	80·4	80·1	80·4	80·6	80·6	80·6	80·7	80·8	80·7	80·8	80·8	80·6	80·5	80·4	80·4	80·3	80·3	80·4	80·1	80·2	80·2	80·0	80·5
20	79·8	79·6	79·5	79·3	79·0	78·5	77·7	78·0	79·1	79·5	80·0	79·9	79·9	79·9	79·9	79·8	79·5	79·1	78·7	78·5	78·5	78·5	78·5	78·3	79·2
21	78·2	77·9	77·7	77·3	77·0	76·8	76·9	76·8	77·4	78·6	79·2	79·9	80·3	80·2	79·8	79·5	79·0	78·7	78·6	77·9	77·9	76·9	76·6	77·0	78·2
22	77·4	77·5	77·9	78·4	78·4	77·8	77·4	77·2	77·1	77·4	77·7	77·7	77·6	76·9	76·9	76·5	75·6	75·7	75·0	75·2	75·5	75·6	75·6	76·0	76·9
23	76·2	76·3	76·0	75·5	74·8	74·2	74·0	74·1	73·7	73·7	74·5	75·5	76·4	76·5	76·5	76·6	76·2	75·8	75·8	75·8	75·7	75·6	75·6	75·7	75·5
24	75·5	75·5	75·1	75·0	75·1	74·8	74·8	74·5	74·7	74·8	75·2	75·2	75·3	75·2	75·2	75·1	74·8	74·4	73·7	73·7	74·0	74·1	74·1	74·1	74·8
25	74·0	73·9	73·7	73·6	73·1	73·1	72·9	73·0	73·3	73·4	74·0	74·3	74·9	75·4	75·6	75·7	76·2	76·5	77·0	76·9	77·0	77·1	77·5	77·6	74·9
26	77·7	77·7	77·7	77·7	77·7	77·6	77·6	77·6	78·0	78·5	78·6	78·6	78·8	79·1	79·0	79·0	79·0	78·6	78·5	78·4	77·9	77·2	76·6	75·3	78·1
27	75·0	74·0	73·5	74·3	75·0	75·0	75·4	75·8	76·3	76·9	77·2	77·2	77·9	78·3	78·6	78·3	77·6	77·4	77·5	77·2	77·4	77·3	77·3	77·2	76·5
28	77·1	77·1	77·1	77·1	77·0	76·7	76·2	75·7	75·2	75·5	76·2	77·0	77·7	78·1	77·9	77·7	77·7	78·4	78·0	77·7	77·1	76·8	75·8	74·7	76·9
29	73·6	73·5	73·5	72·9	73·0	73·2	73·4	73·5	74·2	75·3	76·6	77·4	78·1	78·4	78·9	79·4	79·6	79·9	80·1	80·7	81·1	81·2	81·6	81·9	77·0
30	82·2	82·2	82·4	82·9	82·8	83·2	83·1	83·1	82·7	82·0	82·6	83·7	85·2	85·1	85·1	84·4	83·7	83·7	83·0	81·9	81·8	81·2	80·2	79·6	82·9
Mean	79·1	79·0	78·8	78·8	78·7	78·7	78·6	78·7	79·2	79·8	80·5	81·0	81·5	81·5	81·4	81·0	80·6	80·4	80·2	80·0	79·9	79·7	79·5	79·2	79·8

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Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·1	78·9	78·9	79·5	78·7	78·6	78·0	78·5	79·0	79·9	80·2	80·6	81·2	81·3	81·3	81·2	80·7	80·0	79·4	79·6	79·3	79·2	79·1	78·9	79·6
2	79·0	79·6	79·9	80·1	80·3	80·3	79·9	80·6	81·7	83·6	84·5	85·0	85·5	85·5	85·6	85·4	84·7	84·5	84·5	84·1	84·1	84·5	84·7	84·9	82·9
3	84·7	84·6	84·4	84·2	83·2	83·0	82·8	82·6	82·5	83·3	84·0	84·7	84·7	84·8	84·7	84·3	83·8	83·9	83·9	83·7	83·9	83·7	83·4	83·3	83·9
4	83·1	83·2	83·5	83·5	83·9	83·5	82·1	81·4	81·5	81·7	82·0	82·1	82·0	81·9	81·6	80·5	79·4	78·6	77·9	77·6	77·2	77·5	79·2	78·6	81·0
5	79·5	78·8	79·3	79·8	79·9	80·2	80·1	79·9	79·7	79·2	79·5	79·6	79·7	77·4	78·2	78·1	77·6	77·2	76·8	76·0	76·2	75·7	76·0	76·0	78·4
6	76·8	74·5	74·3	74·7	75·2	75·5	75·7	75·2	76·4	75·2	77·2	77·0	77·4	77·5	77·2	77·0	76·9	76·8	76·3	76·0	75·9	75·7	75·4	74·8	76·1
7	74·3	74·2	74·2	73·9	73·2	72·8	72·3	71·9	71·8	72·1	72·7	73·6	74·3	74·6	74·4	73·7	73·2	72·8	71·8	71·8	71·7	71·2	71·4	71·2	73·0
8	71·2	71·6	71·6	71·9	72·6	73·6	73·8	74·2	75·2	75·6	76·6	77·8	78·4	78·9	79·2	79·4	79·3	79·2	78·7	76·7	76·3	77·1	76·7	76·5	75·8
9	76·1	75·9	75·4	75·0	74·5	74·1	74·0	73·7	74·0	74·1	74·7	75·1	75·7	76·2	76·7	76·9	76·9	75·9	75·7	75·7	75·8	75·9	76·0	76·1	75·4
10	76·1	76·0	76·0	76·1	76·2	76·2	76·3	76·3	76·4	76·4	76·1	76·1	76·2	76·3	76·2	76·4	76·2	76·1	76·1	75·8	75·8	75·5	75·0	74·2	76·0
11	74·5	74·6	73·7	72·7	72·1	72·5	71·7	71·0	72·2	73·2	73·6	75·0	76·7	76·9	76·7	75·6	74·7	74·3	74·0	74·1	74·0	74·1	74·1	74·2	74·0
12	74·1	74·1	74·2	74·2	74·3	74·6	74·8	74·0	75·7	76·6	77·4	77·8	78·0	78·3	78·3	78·2	78·1	77·9	77·8	77·7	76·4	75·8	76·0	75·9	76·3
13	75·5	75·0	74·6	74·0	73·1	72·5	72·1	71·7	71·9	72·6	74·8	77·0	78·1	78·7	79·0	78·6	77·3	78·0	79·0	79·4	79·7	80·1	80·4	80·4	76·3
14	80·6	80·9	81·2	81·3	81·7	82·3	82·6	82·7	82·7	83·0	83·0	83·2	83·2	83·1	82·8	82·8	82·7	82·9	82·6	82·2	81·8	81·1	80·8	81·2	82·2
15	81·1	81·0	79·7	78·7	77·7	77·3	76·7	76·0	76·1	76·9	78·1	79·2	79·6	79·9	79·6	78·8	77·3	77·5	77·6	78·3	78·9	79·7	80·4	80·8	78·7
16	81·0	81·2	80·8	80·9	81·0	80·9	81·2	81·6	82·0	81·5	82·1	82·9	82·5	82·7	81·4	80·4	80·0	79·4	79·4	79·3	78·7	78·8	78·9	78·9	80·8
17	79·0	79·1	79·4	79·4	79·8	80·4	80·7	81·2	81·5	81·5	82·0	83·1	84·1	85·0	85·5	85·6	85·3	85·1	85·0	85·1	85·3	85·4	85·5	85·4	82·3
18	85·3	85·1	85·0	84·3	84·7	84·6	84·9	84·5	84·8	84·6	85·0	85·1	85·1	84·8	84·2	83·2	83·2	83·6	83·5	83·5	83·0	82·7	82·4	81·9	84·2
19	81·8	81·6	81·4	80·8	80·0	79·3	78·8	78·3	78·4	78·9	79·8	80·8	81·5	81·1	81·3	81·2	81·1	80·7	80·6	80·5	80·8	81·1	81·3	81·2	80·5
20	81·0	81·1	81·0	80·9	80·7	80·6	80·2	80·3	80·8	81·2	81·8	82·2	82·3	82·2	82·1	81·9	81·6	81·5	81·3	81·2	81·0	80·8	80·8	81·1	81·2
21	81·2	81·3	81·6	81·6	81·6	80·9	80·0	80·5	81·3	82·0	82·3	82·4	82·5	81·9	81·5	80·3	79·4	78·6	78·6	78·3	79·1	79·2	78·3	78·1	80·6
22	77·5	78·2	78·9	78·5	79·1	80·0	80·7	81·0	80·9	81·6	82·8	83·4	84·0	84·2	84·1	83·9	83·9	84·0	80·9	80·6	80·2	79·9	79·3	79·4	81·1
23	78·5	78·1	77·4	76·8	76·1	75·7	75·5	75·2	75·2	75·8	76·8	78·3	79·1	79·5	79·1	78·5	77·2	76·8	75·7	75·8	74·9	74·4	74·0	73·9	76·7
24	73·3	73·1	73·2	73·1	73·0	73·4	73·4	73·5	73·4	74·0	75·2	76·4	77·4	78·1	78·4	78·5	78·5	78·6	78·6	79·2	79·1	78·3	77·8	77·4	76·0
25	77·4	77·7	76·8	77·3	78·3	76·1	76·2	76·1	76·1	77·1	79·1	80·1	80·6	81·5	81·2	81·0	80·8	80·6	80·2	80·3	80·2	79·9	79·7	79·7	78·8
26	79·7	79·5	79·5	79·4	79·5	79·5	79·5	79·4	79·5	79·6	79·7	79·8	79·9	80·1	80·0	80·0	79·3	79·8	79·7	79·5	79·5	79·2	79·1	79·2	79·6
27	79·2	79·2	79·0	78·6	78·6	78·6	78·7	78·5	78·7	79·0	79·4	79·9	79·7	79·7	79·1	78·6	77·9	77·2	76·3	75·6	74·7	74·4	74·2	74·1	78·0
28	74·2	74·1	74·1	73·7	73·5	73·5	73·6	73·5	73·5	73·5	73·7	74·0	74·1	74·3	74·8	75·2	75·6	75·8	76·2	76·6	77·2	77·6	78·7	79·2	74·9
29	79·7	80·1	80·9	81·6	82·0	82·2	82·6	82·7	83·1	83·4	83·7	84·1	83·9	84·0	83·3	82·9	82·9	82·8	82·3	82·8	82·8	82·9	82·8	82·7	82·5
30	82·5	82·2	81·4	80·8	80·4	80·1	79·8	78·9	78·0	78·3	78·7	79·7	80·8	81·6	81·0	80·0	79·0	78·6	77·7	78·2	78·0	78·2	78·2	78·2	79·7
31	78·3	78·5	78·5	78·5	78·5	78·7	79·4	80·0	80·8	81·2	81·5	81·9	82·0	81·9	81·7	81·4	81·2	81·1	81·2	81·4	81·2	81·2	81·2	81·1	80·5
Mean	78·5	78·5	78·4	78·3	78·1	78·1	78·0	77·9	78·2	78·6	79·3	79·9	80·3	80·4	80·3	80·0	79·6	79·3	79·0	78·9	78·8	78·8	78·7	78·7	78·9
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES
From readings in degrees absolute at exact hours, Greenwich Mean Time

468 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres 1936

Hour 1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
81·65	81·45	81·28	81·12	81·10	81·26	81·65	82·18	82·96	83·73	84·45	85·08	85·58	85·79	85·83	85·64	85·29	84·85	84·21	83·49	82·94	82·54	82·20	81·91	83·26

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

469 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres 1936

Month	Mean	Hour 1 G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	278·12	-0·66	-0·56	-0·50	-0·49	-0·48	-0·57	-0·59	-0·65	-0·41	-0·03	+0·49	+0·78	+1·13	+1·28	+1·22	+0·94	+0·49	+0·27	+0·18	-0·05	-0·24	-0·41	-0·56	-0·59
Feb.	276·29	-0·91	-1·06	-1·14	-1·19	-1·25	-1·34	-1·34	-1·28	-0·76	-0·17	+0·72	+1·32	+1·92	+2·14	+2·10	+1·79	+1·28	+0·80	+0·27	+0·06	-0·23	-0·44	-0·57	-0·67
Mar.	280·62	-1·43	-1·61	-1·74	-1·99	-2·01	-2·11	-1·93	-1·40	-0·36	+0·53	+1·22	+1·93	+2·48	+2·65	+2·85	+2·59	+2·08	+1·36	+0·46	-0·03	-0·43	-0·80	-1·01	-1·19
Apr.	280·01	-1·86	-2·17	-2·38	-2·41	-2·56	-2·31	-1·54	-0·66	+0·11	+0·75	+1·26	+1·69	+2·32	+2·43	+2·63	+2·43	+2·32	+1·82	+1·10	+0·44	-0·03	-0·58	-1·13	-1·57
May	285·34	-2·73	-3·11	-3·42	-3·74	-3·66	-3·21	-2·21	-1·21	-0·12	+0·91	+1·89	+2·77	+3·59	+3·87	+3·85	+3·88	+3·39	+2·81	+1·71	+0·41	-0·46	-1·22	-1·73	-2·29
June	289·18	-2·52	-2·75	-3·10	-3·46	-3·21	-2·60	-1·80	-0·85	+0·02	+0·77	+1·31	+2·21	+2·68	+2·98	+3·25	+3·50	+3·44	+2·96	+2·28	+0·69	-0·57	-1·27	-1·79	-2·22
July	289·36	-2·07	-2·30	-2·60	-2·75	-2·69	-2·02	-1·29	-0·58	+0·25	+0·93	+1·59	+2·06	+2·33	+2·55	+2·50	+2·36	+2·19	+2·20	+1·54	+0·44	-0·49	-0·98	-1·40	-1·73
Aug.	290·10	-2·72	-3·07	-3·36	-3·45	-3·60	-3·32	-2·58	-1·58	-0·30	+0·88	+1·81	+2·62	+3·26	+3·63	+3·87	+3·90	+3·67	+3·18	+2·09	+0·57	-0·42	-1·03	-1·69	-2·25
Sept.	288·16	-1·70	-1·86	-1·95	-2·15	-2·15	-2·19	-1·68	-1·06	-0·30	+0·58	+1·30	+1·94	+2·40	+2·87	+2·83	+2·58	+2·38	+1·55	+0·64	0·00	-0·55	-0·91	-1·19	-1·41
Oct.	282·81	-1·60	-1·83	-2·00	-2·17	-2·26	-2·32	-2·15	-1·57	-0·35	+0·78	+1·70	+2·38	+2·75	+2·83	+2·83	+2·40	+1·79	+1·14	+0·62	+0·13	-0·25	-0·63	-0·91	-1·28
Nov.	279·83	-0·69	-0·86	-0·98	-1·06	-1·15	-1·17	-1·20	-1·09	-0·58	0·00	+0·67	+1·18	+1·63	+1·63	+1·54	+1·16	+0·76	+0·59	+0·39	+0·20	+0·05	-0·11	-0·37	-0·62
Dec.	278·95	-0·40	-0·45	-0·55	-0·66	-0·83	-0·83	-0·94	-1·01	-0·72	-0·35	+0·34	+0·98	+1·38	+1·50	+1·37	+1·04	+0·63	+0·39	+0·07	-0·03	-0·17	-0·22	-0·25	-0·32
Year	283·26	-1·61	-1·81	-1·98	-2·14	-2·16	-2·00	-1·61	-1·08	-0·30	+0·47	+1·19	+1·82	+2·32	+2·53	+2·57	+2·38	+2·08	+1·59	+0·95	+0·23	-0·32	-0·72	-1·06	-1·35

† See page 23

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY
Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time

470 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
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.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	82·3	80·7	83·0	79·4	77·0	74·1	87·0	82·2	85·0	78·2	89·2	79·7	94·1	87·1	92·4	85·3	94·7	86·7	86·3	83·0	82·8	74·4	81·5	77·9
2	81·5	78·6	80·7	75·4	78·4	75·4	84·0	79·7	85·5	77·4	88·6	79·7	93·3	87·2	93·4	84·9	96·1	88·0	87·5	79·5	84·4	76·7	85·7	78·7
3	78·6	74·6	77·1	73·2	77·8	73·1	80·4	75·0	86·8	78·9	87·6	79·7	93·3	87·8	92·1	86·4	94·5	86·6	87·0	76·1	82·6	77·5	85·0	82·5
4	80·8	75·8	75·9	70·4	77·0	70·5	82·1	74·8	89·6	81·6	89·2	79·6	95·5	87·7	92·3	85·0	92·3	87·1	88·8	75·6	84·1	78·3	84·0	77·1
5	80·3	75·2	78·7	71·1	82·6	75·3	79·6	75·4	92·9	81·6	89·5	81·8	97·0	88·9	92·8	85·8	91·2	86·4	84·8	73·9	84·8	78·9	80·2	75·4
6	81·8	78·9	79·5	73·9	82·2	74·8	79·7	76·0	96·1	82·2	89·6	81·0	97·3	86·9	92·0	86·7	90·7	86·5	83·9	77·3	84·4	76·0	77·6	74·2
7	80·5	79·0	76·4	71·6	82·8	73·4	82·3	74·6	89·4	82·7	89·3	84·6	97·1	89·2	88·4	86·8	91·6	87·5	84·2	76·7	83·0	79·3	74·8	70·7
8	82·6	77·9	75·5	71·1	85·1	79·4	82·1	76·6	86·1	81·3	93·5	85·4	94·5	86·3	93·5	84·7	91·2	85·8	83·2	78·9	83·0	78·4	79·6	70·9
9	86·4	80·9	77·6	72·0	85·5	80·1	83·5	78·0	85·6	80·8	95·3	84·0	89·1	85·6	95·3	83·3	92·6	84·3	83·9	77·1	85·3	79·5	77·1	73·3
10	85·6	82·2	76·2	71·6	87·3	81·1	84·2	77·6	90·0	81·9	92·0	85·6	91·0	84·4	95·5	86·1	93·6	87·0	84·1	79·2	82·4	76·3	76·5	74·2
11	82·5	77·3	73·4	70·3	81·1	78·0	80·8	75·6	92·4	80·2	91·1	85·1	91·3	85·5	93·3	87·5	95·7	87·3	84·7	76·2	84·8	73·4	76·9	70·8
12	77·3	71·4	77·1	66·0	78·6	76·4	80·4	74·2	89·8	80·3	91·3	84·8	92·0	86·0	93·7	85·4	92·6	88·3	87·4	76·7	85·0	82·7	78·4	74·0
13	78·2	73·4	78·3	68·1	78·6	75·8	79·2	73·8	92·7	83·7	89·7	85·5	93·2	87·2	93·2	85·1	94·1	85·8	86·7	79·7	82·9	77·3	80·5	71·6
14	73·4	69·4	79·1	72·8	79·7	75·0	81·6	72·9	92·8	81·9	91·9	84·1	94·0	86·3	93·7	85·6	92·3	83·4	87·3	79·0	83·9	74·3	83·4	80·4
15	75·2	67·6	78·0	75·7	79·9	75·5	81·1	75·0	95·2	79·0	90·9	84·1	92·3	85·1	97·7	82·2	89·9	83·9	91·2	82·6	84·2	75·4	81·4	76·0
16	75·1	73·5	76·6	72·9	82·7	76·0	82·1	75·6	98·0	85·8	93·1	82·9	95·0	86·2	99·0	86·0	91·8	83·6	88·0	80·7	85·0	83·5	82·9	78·4
17	75·1	70·4	83·3	75·4	84·1	73·2	82·7	73·7	95·2	85·8	98·3	82·2	97·5	87·8	97·4	88·2	93·4	87·5	88·1	83·3	86·3	80·7	85·6	78·9
18	75·9	70·0	84·9	80·9	85·2	72·8	84·6	73·9	96·7	84·4	97·2	87·2	93·6	87·5	94·9	88·0	91·6	84·9	86·9	80·0	81·7	80·0	85·4	81·9
19	77·0	70·2	83·7	78·2	87·4	76·5	83·6	75·7	94·7	82·7	98·7	89·2	93·4	87·2	92·5	86·8	90·9	83·0	86·3	78·7	80·9	80·0	81·9	78·0
20	81·7	77·0	82·6	75·6	84·7	80·0	80·2	75·0	89·6	80·8	02·7	90·7	91·8	85·9	95·9	88·4	93·5	86·0	84·0	78·6	80·1	77·6	82·5	80·1
21	78·8	75·2	81·4	72·0	89·8	79·7	81·3	72·8	84·9	78·2	01·1	89·8	91·2	85·1	94·5	87·5	91·8	85·6	86·4	82·9	80·4	76·2	82·5	77·7
22	77·6	72·3	80·1	71·0	88·8	83·6	80·7	74·5	88·4	76·0	99·2	88·7	92·7	82·3	93·6	83·5	92·0	84·0	88·6	80·1	78·5	74·7	84·2	77·5
23	78·7	73·3	78·8	75·6	85·6	79·1	83·5	72·2	85·7	80·7	97·4	88·2	91·1	86·7	96·0	81·3	92·8	84·1	87·7	84·4	76·6	73·5	79·5	73·6
24	80·0	74·2	78·7	74·8	89·0	78·7	88·1	79·0	89·3	80·0	98·1	88·0	93·3	86·7	98·5	85·4	94·5	87·9	86·4	80·9	75·7	73·6	79·2	72·8
25	82·6	77·5	77·1	75·5	88·7	80·8	89·1	83·5	92·9	82·7	98·2	87·4	93·0	84·7	98·6	86·5	92·1	88·5	85·6	78·5	77·8	72·8	81·5	75·9
26	81·9	76·3	79·6	74·7	85·2	80·5	87·0	80·8	90·9	81·7	90·3	86·9	91·4	83·7	94·5	86·8	88·5	82·8	88·5	78·0	79·2	75·3	80·1	79·1
27	81·3	76·5	81·0	73·3	86·7	80·1	87·1	78·3	90·7	83·3	96·6	86·6	93·5	81·7	93·7	85·7	85·6	80·5	85·9	78·8	78·7	73·2	80·1	74·1
28	83·3	79·5	78·2	71·7	88·3	79·0	90·1	76·2	84·3	78·5	97·0	86·6	91·5	85·6	97·8	84·0	86·9	80·2	84·4	77·1	78·5	74·4	79·2	73·4
29	83·1	76·1	76·8	74·1	87·7	83·7	88·7	81·0	89·9	76·3	92·3	88·1	91·2	85·4	99·6	81·8	86·7	78·6	85·3	73·4	81·9	72·9	84·1	79·2
30	82·6	76·2	-	-	88·2	82·4	89·0	80·6	86·7	79·6	93·6	88·0	93·1	82·2	99·0	85·5	86·3	78·9	89·4	82·5	85·5	79·6	82·7	77·6
31	84·4	81·1	-	-	88·7	82·6	-	-	86·3	77·3	-	-	93·0	86·4	93·4	88·7	-	-	86·2	78·7	-	-	82·1	78·2
Mean	80·2	75·6	78·9	73·5	84·0	77·6	83·5	76·5	90·1	80·8	93·7	85·2	93·3	86·0	94·8	85·6	91·7	85·0	86·4	79·0	82·1	76·9	81·2	76·3
																					Year		86·7	79·9

Note. - The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

471 **KEW OBSERVATORY:** North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres — JANUARY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	89	86	84	87	91	91	89	89	89	88	91	91	92	91	89	92	94	94	94	98	94	94	93	94	91·0	10·0
2	93	93	96	96	94	96	94	93	96	94	94	94	94	94	91	90	91	91	93	96	93	93	90	89	93·4	9·7
3	97	92	93	96	95	95	92	92	95	95	91	96	89	87	90	92	93	93	95	92	88	93	92	92	92·7	7·2
4	89	89	92	92	90	92	92	87	87	90	83	84	83	80	81	87	91	91	91	91	96	93	97	94	89·2	7·9
5	96	94	94	93	92	94	92	96	91	88	86	86	78	75	77	75	75	74	70	82	86	86	86	87	85·7	7·8
6	84	84	86	83	82	83	89	87	83	85	89	85	83	81	74	79	86	85	87	88	84	82	84	87	84·2	8·7
7	90	90	88	88	88	93	87	88	90	90	91	93	94	90	87	90	91	90	91	91	88	88	85	87	89·5	8·8
8	87	88	87	87	88	90	89	94	91	91	88	88	91	91	92	91	89	92	92	92	92	95	93	94	90·4	9·5
9	92	91	91	91	92	92	91	91	88	90	92	90	89	87	87	91	93	90	82	85	68	69	72	73	87·0	11·1
10	77	84	81	91	83	79	77	80	80	81	81	76	72	74	74	79	77	79	79	80	80	79	76	75	78·9	10·4
11	73	65	63	63	65	69	67	67	65	65	62	62	58	56	59	64	69	75	76	74	76	78	79	77	67·7	6·5
12	79	83	85	87	88	92	92	88	90	85	85	83	85	90	91	87	94	93	93	96	96	98	100	98	89·5	6·7
13	98	96	96	91	91	93	94	96	93	91	88	84	73	74	74	77	85	81	84	91	88	90	89	92	88·0	6·4
14	96	96	98	98	100	100	100	100	100	100	96	94	94	98	98	98	98	98	96	90	90	90	90	94	96·3	5·2
15	94	96	96	98	98	98	98	98	100	100	89	83	83	87	85	87	83	80	75	73	66	73	75	76	87·5	5·0
16	79	80	82	81	79	81	82	82	82	82	82	90	91	91	96	96	94	92	93	92	90	92	92	96	87·0	5·8
17	96	92	92	91	91	91	87	87	85	85	82	78	73	66	68	67	68	68	76	86	85	85	86	85	82·3	5·2
18	89	82	82	89	93	94	93	94	96	98	92	91	90	87	74	79	91	94	94	94	96	94	96	100	90·6	6·0
19	100	100	100	100	100	100	100	100	98	96	89	80	87	89	91	93	93	90	90	92	90	92	92	93	94·1	6·1
20	93	92	93	93	93	81	82	82	82	78	79	74	74	80	79	78	82	85	90	86	80	74	74	74	82·8	8·0
21	73	64	74	76	77	80	80	80	79	76	68	64	58	57	58	60	65	69	72	76	80	80	82	82	71·9	5·8
22	82	82	87	93	92	92	96	96	94	92	89	81	78	76	76	80	89	93	94	91	89	92	94	94	88·2	6·1
23	89	90	92	89	89	90	89	89	90	91	81	83	82	82	79	77	85	87	87	80	87	88	90	93	86·7	6·3
24	94	94	95	93	94	94	94	94	93	93	89	81	73	67	65	65	69	84	86	87	90	92	96	92	86·5	7·0
25	94	94	92	97	94	96	96	97	98	96	93	94	93	93	89	91	91	91	91	91	92	92	92	95	93·4	9·7
26	96	98	98	100	99	96	93	88	88	90	84	74	71	74	78	81	85	85	87	87	90	95	93	98	88·7	8·8
27	98	95	95	94	91	90	87	86	83	85	88	90	91	89	88	83	86	86	86	89	88	84	85	84	88·7	8·8
28	88	88	86	88	88	87	90	89	89	88	80	80	64	63	64	70	71	75	81	90	93	93	93	93	82·7	9·1
29	94	95	92	93	93	94	91	91	92	91	87	86	91	93	87	88	86	81	83	80	79	88	95	98	89·4	9·1
30	97	98	100	100	100	96	94	95	93	96	90	88	80	79	79	84	92	93	94	96	93	96	99	99	92·9	9·2
31	98	98	96	95	96	98	100	96	94	91	88	88	96	98	78	67	69	70	72	81	81	80	79	78	87·4	10·3
Mean	90·1	89·3	89·9	90·7	90·5	90·9	90·2	90·1	89·5	89·1	86·0	84·2	82·3	81·9	80·6	81·9	84·7	85·5	86·3	87·6	86·7	87·7	88·4	89·1	87·2	†7·8
Vapour Pressure*	mb 7·6	mb 7·6	mb 7·6	mb 7·7	mb 7·7	mb 7·7	mb 7·6	mb 7·6	mb 7·7	mb 7·8	mb 7·8	mb 7·8	mb 7·8	mb 7·9	mb 7·7	mb 7·7	mb 7·7	mb 7·7	mb 7·7	mb 7·7	mb 7·5	mb 7·5	mb 7·5	mb 7·5	mb ‡7·7	

472 **KEW OBSERVATORY:** North Wall Screen: h_t = 3·0 metres — FEBRUARY, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	79	81	85	88	90	90	92	94	95	87	83	82	84	76	73	79	80	83	89	91	90	91	88	93	85·7	9·5
2	90	90	91	91	90	93	93	90	87	86	76	76	71	76	87	92	90	86	86	84	80	81	85	89	85·9	7·8
3	91	90	82	82	83	80	89	84	80	78	70	62	60	55	57	62	72	74	71	67	66	66	67	68	73·6	5·2
4	69	70	75	77	80	82	86	87	87	87	75	68	57	48	45	47	50	60	67	73	78	79	78	83	70·9	4·3
5	86	87	85	85	81	82	74	78	69	64	60	59	57	59	65	69	76	77	77	80	77	80	82	82	74·7	5·4
6	82	83	83	89	89	88	87	87	82	79	64	60	57	51	51	53	56	63	70	70	68	68	71	72	72·0	5·6
7	73	75	77	75	76	78	79	80	78	63	59	54	53	52	41	52	52	50	53	60	62	66	65	65	64·2	4·2
8	66	67	66	65	65	65	65	63	62	60	60	60	62	63	62	63	68	70	72	68	66	68	70	72	65·2	4·2
9	73	73	73	72	72	74	78	76	76	78	71	60	62	63	65	65	72	77	82	84	84	82	85	84	74·0	5·0
10	80	80	77	76	85	80	75	72	67	65	59	55	53	55	61	61	61	62	61	61	59	59	55	55	66·2	4·3
11	56	56	56	57	57	56	57	60	59	54	51	50	47	48	47	47	48	49	52	52	53	57	60	59	53·6	2·9
12	63	69	72	75	79	82	83	87	89	90	77	62	53	49	45	47	56	60	72	80	83	85	90	92	71·8	4·1
13	92	94	95	94	95	97	97	98	88	85	80	65	58	57	62	58	63	63	77	84	85	85	85	87	81·1	5·1
14	89	87	90	90	88	88	88	87	80	77	68	64	60	60	59	65	70	71	73	77	75	77	79	78	76·9	5·6
15	82	85	91	91	95	96	96	98	98	97	100	98	100	98	98	98	97	98	97	95	97	96	95	91	95·0	7·6
16	91	93	96	96	96	100	98	96	90	92	90	89	85	87	87	85	94	96	98	96	96	96	98	96	93·3	6·4
17	96	96	95	97	97	98	96	96	96	96	94	88	86	81	81	84	89	91	91	94	90	89	86	87	91·6	8·8
18	87	90	91	92	92	93	94	94	94	94	87	86	84	83	81	72	75	79	79	80	81	84	86	83	86·0	10·3
19	86	89	90	93	96	93	94	96	96	95	89	87	92	88	89	80	73	68	76	78	81	84	82	84	86·6	9·4
20	84	86	87	88	90	90	88	90	84	84	76	68	60	55	53	55	63	66	79	81	84	77	74	76	76·7	7·2
21	87	87	86	86	88	85	86	88	87	80	75	72	70	68	64	64	62	68	83	86	91	94	96	94	80·7	7·5
22	94	94	94	93	87	87	89	78	80	87	90	95	96	94	96	99	99	98	93	90	87	96	87	87	91·4	7·5
23	90	93	97	94	94	92	92	90	88	85	88	85	79	67	70	71	75	78	73	74	83	87	86	87	84·1	7·0
24	85	83	84	85	85	89	87	85	88	83	82	79	79	84	86	84	73	80	88	82	84	82	89	88	83·9	6·8
25	92	91	93	95	93	93	90	92	84	84	78	80	73	73	75	72	75	75	76	76	78	80	80	80	82·6	6·4
26	84	87	89	91	89	90	88	90	87	81	73	67	57	53	53	60	60	64	71	76	79	78	84	86	76·4	6·1
27	92	91	91	91	93	93	92	87	83	81	81	75	63	52	52	53	59	64	80	82	84	85	89	90	79·2	6·9
28	91	95	96	98	96	98	94	96	98	92	95	86	77	74	73	74	73	78	89	82	89	91	93	93	88·3	6·1
29	93	91	93	93	89	87	87	85	85	87	88	87	82	85	82	78	80	82	89	87	88	87	92	91	87·0	6·3
Mean	83·6	84·6	85·5	86·2	86·6	86·9	86·7	86·3	84·0	81·8	77·2	73·1	69·6	67·4	67·6	68·6	71·1	73·4	78·1	79·0	79·9	81·0	82·0	82·5	79·3	†6·3
Vapour Pressure*	mb 6·1	mb 6·1	mb 6·1	mb 6·2	mb 6·2	mb 6·1	mb 6·1	mb 6·1	mb 6·2	mb 6·3	mb 6·3	mb 6·2	mb 6·2	mb 6·1	mb 6·0	mb 6·0	mb 6·0	mb 6·0	mb 6·1	mb 6·1	mb 6·0	mb 6·0	mb 6·0	mb 6·0	mb ‡6·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

473 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres — MARCH, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	92	91	89	91	92	94	91	93	89	82	78	77	77	78	83	83	87	90	90	83	78	81	82	86·2	6·3
2	83	85	83	83	81	84	87	89	80	78	80	74	69	70	72	74	75	73	76	80	85	87	88	88	80·0	6·4
3	90	91	91	90	90	85	86	86	85	82	75	77	71	76	82	80	74	78	81	87	93	94	96	96	84·7	6·5
4	98	97	97	96	96	100	97	100	91	87	87	93	91	89	93	87	94	92	96	96	91	81	83	85	92·6	6·0
5	88	92	93	95	95	95	95	93	92	83	70	59	58	52	48	48	62	72	80	75	85	90	91	91	79·1	7·0
6	93	87	96	93	87	88	90	90	80	68	63	56	50	54	54	56	61	64	64	70	75	78	82	87	74·5	6·7
7	88	91	93	94	98	96	96	87	88	78	78	73	70	70	71	83	83	89	91	89	90	90	93	90	86·2	7·9
8	91	93	93	93	93	91	94	94	94	92	89	88	85	79	73	78	77	80	82	89	93	93	94	96	88·4	9·9
9	96	96	96	100	98	96	99	96	92	89	81	78	75	75	78	83	89	87	88	89	91	89	88	93	89·3	10·6
10	91	92	92	94	94	93	93	92	92	87	80	76	65	69	72	70	73	79	85	87	88	89	89	92	84·8	10·8
11	90	91	91	93	93	94	93	91	94	91	93	88	85	83	83	79	78	78	78	80	83	83	81	77	86·5	8·3
12	77	80	78	76	71	74	71	70	71	70	69	66	63	68	60	61	60	63	64	65	63	63	65	67	68·3	5·8
13	68	68	70	70	71	74	73	71	69	65	66	68	61	60	62	60	64	63	63	65	68	69	69	71	66·9	5·4
14	71	70	75	77	77	75	75	80	76	66	64	66	61	58	60	62	63	61	66	70	75	80	80	82	70·2	5·6
15	84	85	72	81	81	81	80	80	82	78	75	74	71	63	51	54	56	68	71	74	78	79	63	61	73·0	6·2
16	66	84	85	87	87	87	85	83	82	80	65	58	50	48	43	44	49	61	75	78	81	87	87	90	72·0	6·6
17	91	91	94	94	96	93	93	98	93	90	82	72	62	56	60	60	61	66	73	77	80	85	87	90	81·0	7·1
18	91	95	96	96	96	94	93	90	66	54	43	40	39	44	45	45	45	46	48	53	68	75	80	83	67·8	6·5
19	86	86	86	86	86	86	84	80	69	62	55	51	57	57	56	58	57	61	75	82	83	81	87	88	73·2	8·1
20	91	87	83	83	83	85	87	82	88	86	75	81	94	85	79	78	79	81	84	86	88	89	93	90	84·8	10·1
21	89	92	92	93	92	91	91	84	74	69	70	60	55	54	51	55	55	56	61	65	69	68	69	70	72·3	10·1
22	70	66	70	71	70	71	69	66	61	63	60	58	58	64	61	62	65	66	68	68	68	71	75	74	66·4	9·7
23	74	79	82	89	90	85	84	94	79	77	71	72	75	90	83	89	80	83	87	89	89	93	94	97	83·9	10·7
24	97	94	96	94	97	94	94	88	73	68	64	60	57	52	51	52	49	66	72	76	79	80	84	86	76·2	9·7
25	86	84	84	86	88	89	89	89	86	77	74	69	61	59	56	60	68	75	82	88	87	89	90	94	79·4	9·9
26	93	94	94	93	93	94	95	93	93	95	94	95	94	93	88	83	81	86	91	94	91	95	92	92	92·0	11·0
27	93	94	94	94	93	94	93	91	91	87	80	71	69	67	65	69	73	74	80	80	79	84	87	86	83·0	10·3
28	87	92	93	96	96	94	92	88	83	80	80	75	68	68	66	66	69	73	81	83	88	89	92	92	82·8	10·9
29	89	90	90	93	92	92	92	93	93	94	95	91	91	91	88	85	81	85	85	88	87	88	87	86	89·5	12·5
30	84	87	85	84	78	84	83	77	73	74	69	74	76	77	72	71	75	78	85	86	89	92	91	92	80·5	11·3
31	92	91	91	93	88	89	87	84	77	74	79	89	88	72	67	69	67	71	72	74	75	79	83	88	80·9	11·3
Mean	86·4	87·6	87·9	88·9	88·4	88·4	88·2	86·8	82·6	78·5	74·5	71·9	69·2	68·4	66·7	67·9	69·2	73·0	77·2	79·8	82·0	83·5	84·5	85·7	79·9	†8·5
Vapour Pressure*	mb 8·1	mb 8·1	mb 8·1	mb 8·1	mb 8·0	mb 8·0	mb 8·0	mb 8·2	mb 8·4	mb 8·5	mb 8·5	mb 8·6	mb 8·6	mb 8·6	mb 8·5	mb 8·5	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·3	mb 8·3	mb 8·3	mb ‡8·3	

474 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — APRIL, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	91	95	95	96	98	98	96	96	97	96	96	94	89	87	89	89	94	91	91	93	94	94	93	92	93·4	12·3
2	93	96	99	97	96	97	99	94	89	91	91	88	87	87	81	84	82	81	81	77	77	79	90	91	88·7	10·2
3	86	81	83	86	89	86	80	82	76	76	73	73	69	68	69	69	69	68	71	76	66	70	77	89	76·4	7·1
4	89	87	85	85	85	85	82	83	80	75	72	70	54	48	48	48	49	48	55	61	68	73	80	82	70·6	6·2
5	82	82	80	77	78	78	72	67	65	63	63	60	56	55	54	53	56	56	55	63	55	56	55	57	64·6	5·3
6	56	58	58	61	62	60	58	59	57	55	59	59	59	62	57	58	58	60	66	71	79	77	78	83	62·4	5·4
7	85	80	80	75	74	76	67	66	65	63	59	52	50	53	54	58	51	61	65	68	63	65	68	73	65·7	6·1
8	71	73	71	69	70	70	68	69	65	67	66	65	64	60	56	59	60	61	63	67	69	76	83	84	67·5	6·4
9	87	88	84	84	86	83	77	74	80	77	74	76	65	58	52	49	47	52	58	58	66	77	80	80	71·4	7·3
10	77	75	76	80	81	78	74	70	67	65	65	63	60	56	51	49	49	62	66	59	77	59	72	82	67·6	6·6
11	78	71	74	73	75	78	79	72	62	60	52	72	58	66	65	78	71	79	74	71	71	77	81	82	71·6	6·3
12	84	84	87	89	91	89	87	82	80	74	61	52	41	66	71	87	82	90	87	87	80	85	91	88	79·7	6·2
13	89	94	96	96	98	96	94	91	88	80	87	90	83	82	86	84	69	66	76	80	85	90	93	96	86·9	6·7
14	96	94	98	98	98	100	90	88	93	87	77	52	53	49	42	46	44	59	70	60	68	78	82	89	75·6	6·5
15	92	95	98	98	100	98	93	69	77	80	75	74	69	67	60	60	60	61	67	68	71	75	80	86	78·1	7·0
16	87	88	87	91	90	85	82	79	69	65	52	55	54	54	51	48	49	56	63	71	76	80	82	83	70·7	6·3
17	80	84	84	85	85	84	77	67	57	51	41	40	34	36	36	34	38	43	48	53	53	63	70	77	59·3	5·4
18	79	84	82	87	94	89	85	70	57	45	44	44	42	41	39	40	41	41	46	54	58	72	74	75	61·8	6·1
19	82	85	98	87	88	84	79	61	52	49	48	42	36	34	37	35	35	36	44	61	54	65	68	74	59·8	5·8
20	71	73	77	77	79	82	84	81	87	86	90	91	93	91	86	79	76	69	72	82	85	88	91	91	82·2	7·3
21	94	98	98	100	100	100	94	88	79	68	60	58	56	55	57	82	93	93	89	91	90	88	88	87	83·7	6·6
22	89	89	84	88	87	78	76	61	46	56	47	45	46	54	46	67	73	67	66	71	70	84	86	85	69·3	6·0
23	90	92	94	96	94	94	87	76	61	52	45	48	40	44	48	52	56	66	61	66	69	75	78	84	69·5	6·2
24	88	93	94	96	93	93	89	79	71	66	59	52	46	42	41	42	44	41	53	62	71	77	83	87	69·2	9·0
25	91	93	94	90	92	93	91	88	87	83	80	81	75	74	79	82	83	89	89	90	91	90	90	94	87·0	12·4
26	94	95	95	93	96	95	89	79	71	59	60	59	65	75	58	84	80	58	65	70	78	84	87	89	78·4	10·2
27	91	93	93	91	90	86	66	66	65	60	53	57	54	50	47	50	48	51	58	74	76	80	82	88	69·6	8·5
28	93	91	94	92	95	94	90	76	68	59	56	58	41	39	39	44	43	45	53	56	62	70	74	84	67·4	8·8
29	83	82	86	86	91	92	85	80	75	74	69	67	57	58	54	51	52	54	59	66	66	67	70	71	70·9	10·2
30	74	75	76	74	73	70	69	63	49	52	61	56	52	48	36	35	33	51	56	57	66	75	78	82	60·7	8·3
Mean	84·7	85·6	86·7	86·6	87·6	86·4	82·0	75·9	71·2	67·8	64·5	63·1	58·3	58·6	56·3	59·9	59·5	61·8	65·6	69·8	71·8	76·3	80·1	83·5	72·6	†7·4
Vapour Pressure*	mb 7·5	mb 7·4	mb 7·4	mb 7·4	mb 7·4	mb 7·4	mb 7·4	mb 7·3	mb 7·2	mb 7·2	mb 7·0	mb 7·1	mb 6·8	mb 6·9	mb 6·7	mb 7·1	mb 7·0	mb 7·0	mb 7·1	mb 7·2	mb 7·2	mb 7·3	mb 7·4	mb 7·5	mb ‡7·2	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

475 **KEW OBSERVATORY:** North Wall Screen: h_t (Height of thermometer bulbs above the ground) = 3·0 metres — MAY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	84	84	80	85	83	79	75	71	67	64	64	62	62	64	60	60	60	60	65	73	76	78	80	80	71·6	7·9
2	79	82	85	85	83	75	71	68	67	64	63	62	60	59	53	53	54	53	69	76	77	78	80	78	69·8	7·6
3	78	79	80	80	85	88	88	87	80	78	73	70	61	61	60	52	55	60	61	65	65	65	68	68	71·3	8·4
4	70	76	79	83	84	86	84	80	67	62	61	61	56	55	51	61	63	68	73	81	84	88	89	91	72·6	10·0
5	93	93	96	96	96	93	95	90	92	86	76	67	57	55	52	54	55	62	70	75	81	85	88	88	79·0	12·2
6	89	92	92	91	94	92	86	79	82	73	66	57	56	54	52	48	47	48	52	58	59	67	86	86	71·1	12·8
7	87	87	86	89	92	92	91	86	82	79	75	75	77	77	75	75	75	76	82	86	83	85	85	89	82·7	12·5
8	88	88	89	87	86	86	87	86	79	79	74	71	69	70	72	75	77	81	80	84	86	88	89	89	81·7	10·1
9	91	92	93	89	88	89	88	87	86	86	85	81	79	76	79	79	78	79	81	83	87	89	91	89	85·2	10·5
10	93	88	89	89	89	89	87	88	86	88	83	78	70	65	64	55	56	59	62	67	70	73	75	80	77·0	10·9
11	85	88	88	93	90	89	89	98	76	60	54	51	48	49	50	51	53	51	67	77	78	82	87	91	72·5	11·1
12	92	95	95	93	94	94	92	87	83	76	80	74	63	63	64	63	70	69	75	72	76	79	83	86	80·0	11·8
13	90	93	90	89	89	85	84	80	74	73	69	64	57	52	52	47	51	51	69	73	77	85	88	87	73·7	12·3
14	80	79	82	84	82	83	79	74	68	65	58	56	58	53	56	54	53	58	61	72	78	85	90	89	70·7	11·2
15	92	93	94	91	91	80	69	60	55	56	56	56	53	51	49	49	49	51	51	58	60	66	74	77	66·1	11·9
16	79	81	80	83	85	79	70	59	48	44	36	35	35	50	51	50	50	50	55	62	69	79	72	75	61·6	13·0
17	81	81	88	87	91	89	94	93	83	77	72	65	57	56	57	51	76	85	90	86	94	99	99	95	80·7	15·0
18	95	95	94	96	95	87	82	75	65	62	58	51	52	46	48	48	51	46	48	51	57	67	72	76	67·7	13·5
19	75	77	82	83	84	79	77	72	65	61	55	45	43	41	38	38	36	37	31	42	46	59	72	74	58·9	10·8
20	76	79	80	81	81	79	72	58	44	41	41	53	59	60	57	70	63	59	57	58	58	60	58	58	62·9	8·5
21	60	66	70	74	77	74	72	62	59	61	55	51	49	53	48	52	68	66	76	69	72	72	73	74	64·4	7·1
22	76	79	80	81	81	79	73	65	54	52	52	51	47	51	49	56	58	70	82	89	94	96	96	96	70·7	8·3
23	95	96	96	93	92	91	88	87	82	73	63	62	59	55	55	58	63	56	54	63	67	70	75	78	74·2	9·3
24	78	82	85	90	90	88	84	75	64	56	51	51	48	51	59	61	64	64	65	71	76	80	81	85	70·7	9·7
25	86	86	84	86	86	87	84	77	73	64	62	58	53	52	57	60	64	71	67	71	74	78	82	86	72·8	11·8
26	87	93	90	91	92	88	87	84	84	84	77	71	66	63	61	61	59	57	64	75	74	75	75	76	76·6	11·6
27	80	80	86	88	88	89	87	87	81	80	74	74	70	62	55	59	61	58	63	68	74	75	73	71	74·4	11·5
28	74	67	70	54	54	58	56	62	58	55	57	59	60	53	49	50	50	50	49	50	50	53	62	89	57·5	6·8
29	89	93	88	90	87	9	71	61	52	54	52	48	42	43	46	47	51	57	54	56	67	69	71	73	64·5	8·4
30	78	79	82	83	84	86	78	73	67	64	75	79	72	57	79	69	74	71	74	80	77	81	77	77	75·6	9·3
31	82	84	86	89	84	80	73	69	57	54	52	46	40	48	49	42	50	51	55	65	62	63	71	79	63·7	7·4
Mean	83·3	84·7	85·7	86·2	86·4	84·3	81·1	76·8	70·3	66·8	63·5	60·8	57·4	56·3	56·4	56·4	59·2	60·5	64·6	69·5	72·5	76·4	79·4	81·6	71·7	†10·4
Vapour Pressure*	mb 10·0	mb 9·9	mb 9·8	mb 9·6	mb 9·7	mb 9·8	mb 10·0	mb 10·2	mb 10·0	mb 10·2	mb 10·3	mb 10·4	mb 10·4	mb 10·4	mb 10·4	mb 10·4	mb 10·6	mb 10·4	mb 10·4	mb 10·3	mb 10·1	mb 10·1	mb 10·2	mb 10·1	mb ‡10·2	

476 **KEW OBSERVATORY:** North Wall Screen: h_t = 3·0 metres — JUNE, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	81	85	86	88	87	87	77	70	61	56	43	46	42	42	43	61	52	61	65	73	86	93	88	86	69·0	8·6
2	88	89	91	91	90	89	91	88	68	82	77	74	82	89	80	68	60	56	54	67	78	80	83	80	79·1	9·8
3	84	87	94	94	88	89	89	83	75	70	74	73	63	54	62	63	63	59	69	76	86	87	86	89	77·2	9·7
4	91	93	91	91	93	91	86	86	80	74	65	62	55	55	59	56	64	75	80	87	82	80	83	84	77·7	9·7
5	83	86	84	84	89	92	88	83	84	79	78	72	66	62	59	59	59	59	60	70	73	76	79	81	75·3	10·6
6	83	84	89	92	89	81	63	61	51	45	41	43	48	52	58	69	74	87	88	88	89	93	95	95	73·2	10·7
7	90	90	93	94	95	94	94	95	95	95	88	75	74	74	72	61	62	59	63	76	82	88	89	91	83·0	12·8
8	89	68	72	68	73	64	55	53	55	54	47	48	43	39	42	40	45	44	53	60	66	73	81	86	59·2	10·8
9	88	87	86	89	89	87	83	75	73	68	61	58	54	51	51	50	50	46	52	66	73	78	84	85	70·2	13·4
10	88	92	93	92	93	91	88	85	83	81	76	74	70	72	71	68	70	75	77	75	82	86	82	83	81·2	14·2
11	83	86	85	83	84	81	78	81	74	69	68	67	69	68	78	73	73	72	74	79	83	86	86	88	77·7	13·1
12	89	90	93	91	90	88	86	82	77	74	70	66	83	69	83	78	78	74	83	84	90	90	92	92	82·9	13·9
13	94	97	97	98	96	95	96	97	94	90	88	88	87	84	79	78	83	80	83	87	90	93	95	94	90·1	14·4
14	95	95	94	91	93	91	92	90	80	69	61	53	49	46	54	58	59	66	69	76	82	83	90	91	76·2	12·6
15	93	94	93	90	89	85	68	69	69	66	62	67	58	59	62	63	60	58	60	64	60	68	75	76	71·5	11·7
16	76	79	81	82	76	73	69	64	64	60	59	60	56	58	53	57	52	53	52	63	74	78	82	91	66·9	11·4
17	89	90	90	96	93	83	72	68	68	61	53	48	46	49	46	46	47	41	41	62	73	81	87	90	67·5	13·8
18	87	89	92	96	94	87	90	89	90	94	92	79	80	78	68	67	61	62	67	66	64	66	69	68	79·4	17·0
19	66	74	76	77	79	77	73	69	66	66	64	61	55	86	76	65	64	64	65	70	71	84	85	90	71·3	17·8
20	87	90	88	89	87	88	83	72	68	61	58	57	55	53	51	47	47	51	55	63	66	68	70	67	68·0	19·6
21	70	66	70	76	74	71	73	68	64	64	67	61	59	57	59	66	69	65	67	82	91	88	91	92	70·7	19·4
22	90	91	90	86	87	87	83	82	74	69	60	58	54	52	49	49	46	43	42	55	69	78	77	78	69·0	16·2
23	87	90	92	90	91	85	75	71	68	67	63	63	56	52	50	47	48	48	49	57	63	66	75	81	68·0	16·1
24	81	80	87	86	86	79	75	68	61	58	54	47	47	39	46	46	46	45	49	53	61	69	68	70	62·7	15·1
25	85	80	84	88	88	81	72	68	64	62	53	52	45	47	45	45	49	57	67	71	76	75	76	91	67·1	15·8
26	89	89	88	89	91	91	90	91	92	92	91	89	89	87	87	88	82	83	84	90	95	96	96	96	89·7	15·7
27	96	97	96	96	96	94	93	87	82	69	61	61	57	57	58	54	68	67	70	71	75	78	80	78	77·1	15·5
28	78	83	90	88	79	77	74	68	67	64	66	60	65	63	64	54	53	54	56	68	79	79	78	81	70·3	15·1
29	82	83	85	88	88	86	85	86	91	92	89	86	81	78	76	75	77	89	96	94	96	96	94	94	86·7	16·6
30	94	94	93	94	91	84	75	73	71	75	87	87	79	71	71	70	74	75	80	85	91	92	94	94	83·1	16·5
Mean	85·9	86·6	88·1	88·6	87·9	84·9	80·7	77·4	73·6	70·9	67·2	64·5	62·2	61·4	61·7	60·7	61·2	62·3	65·7	72·6	78·2	81·6	83·7	85·4	74·7	†13·9
Vapour Pressure*	mb 13·3	mb 13·2	mb 13·2	mb 12·9	mb 13·1	mb 13·2	mb 13·2	mb 13·5	mb 13·5	mb 13·7	mb 13·4	mb 13·6	mb 13·6	mb 13·6	mb 14·0	mb 14·0	mb 14·0	mb 13·9	mb 14·0	mb 14·0	mb 14·0	mb 13·9	mb 13·8	mb 13·7	mb ‡13·6	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

477 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres — JULY, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	92	93	92	89	89	87	81	79	74	66	59	56	56	56	53	52	50	52	64	77	78	83	88	73·4	14·6
2	88	90	91	93	91	88	85	84	86	83	80	75	75	68	70	67	74	72	78	83	87	87	81	79	81·7	15·5
3	86	87	88	88	87	86	81	77	74	69	65	70	66	70	71	76	79	78	80	82	85	86	90	91	79·4	15·7
4	91	89	86	87	85	84	80	76	73	67	59	57	51	56	66	73	78	80	81	82	86	89	92	90	77·5	16·1
5	91	92	91	91	90	88	83	75	70	65	62	60	59	59	55	55	60	54	62	65	68	76	84	87	72·6	16·4
6	91	92	92	94	96	92	88	85	77	74	66	61	60	66	73	72	70	65	64	75	82	87	90	90	79·2	17·3
7	89	89	90	89	89	89	86	84	82	79	76	73	69	72	76	77	72	69	72	77	80	81	83	82	80·4	18·2
8	82	84	86	88	87	83	77	76	70	61	52	50	48	61	53	80	68	60	59	63	70	75	79	82	70·6	13·7
9	84	87	90	95	93	87	82	80	86	90	91	88	91	87	89	90	87	86	85	81	87	87	88	88	87·3	14·0
10	87	90	94	95	94	91	86	79	77	87	77	81	74	70	66	62	72	73	80	86	91	91	93	95	82·8	13·1
11	93	93	93	91	93	85	78	71	69	66	60	60	59	80	72	83	87	83	81	84	81	87	86	87	80·3	13·4
12	89	90	89	90	87	82	80	73	66	63	60	60	64	60	75	89	89	90	89	86	91	93	93	93	80·7	14·3
13	92	91	91	90	88	83	78	76	77	68	63	55	56	55	54	51	51	52	54	62	77	76	80	83	71·2	14·1
14	85	81	85	87	85	79	76	75	71	66	60	54	55	58	55	56	62	66	72	75	82	88	92	90	73·0	13·6
15	91	94	95	96	95	95	96	96	86	85	75	74	62	59	62	60	57	57	62	71	81	89	91	84	79·8	13·4
16	89	90	90	90	90	87	82	77	70	62	58	59	56	56	54	59	63	58	63	69	73	78	84	84	72·5	14·2
17	87	87	83	82	85	85	90	90	88	79	74	69	63	61	62	63	65	67	69	72	78	79	75	74	76·3	17·5
18	74	75	79	80	78	76	74	73	75	72	67	63	57	56	55	54	56	60	72	81	88	88	86	87	71·6	14·2
19	89	90	90	89	87	85	80	79	72	66	63	61	62	60	63	63	71	88	89	84	85	86	86	87	78·1	14·8
20	89	90	91	90	90	83	82	80	73	68	62	62	68	70	75	83	88	76	76	77	77	78	82	85	79·0	14·4
21	82	82	89	91	89	85	77	76	72	70	68	62	62	64	64	73	55	55	64	67	75	74	81	88	73·5	12·9
22	88	95	97	97	98	91	85	80	66	61	58	55	59	60	58	58	58	63	67	73	81	82	86	91	75·3	13·3
23	91	91	91	91	94	95	96	90	93	93	91	92	91	87	88	88	89	88	85	85	84	82	82	86	89·4	15·9
24	87	85	86	86	84	86	86	75	73	69	69	61	57	56	57	57	60	59	61	72	81	84	86	88	73·5	14·2
25	87	89	91	93	91	85	81	72	64	62	68	63	64	55	68	81	77	63	68	74	79	82	87	91	76·4	13·3
26	93	91	93	94	92	85	81	87	69	62	62	53	61	67	63	63	80	75	73	78	83	86	90	93	78·0	12·7
27	94	93	95	95	98	92	87	82	66	66	56	58	58	51	48	51	55	57	62	72	80	86	88	86	74·1	12·6
28	89	91	90	83	88	85	85	79	72	68	63	70	86	80	75	86	82	74	83	88	90	90	88	89	82·0	14·0
29	88	91	89	89	89	88	84	88	91	82	80	68	69	62	60	66	64	63	58	69	78	84	88	90	78·2	13·2
30	95	95	94	98	98	98	96	89	87	79	68	62	56	50	49	50	56	56	63	66	77	73	76	81	75·7	13·2
31	84	84	86	85	85	84	86	89	89	86	87	88	87	87	90	81	75	73	80	85	88	90	91	93	85·3	15·6
Mean	88·3	89·0	89·9	90·3	89·8	86·8	83·7	80·5	76·2	72·3	67·9	65·3	64·5	64·5	65·2	68·2	69·4	68·1	71·1	75·7	81·4	83·6	85·8	87·2	77·7	†14·5
Vapour Pressure*	mb 14·4	mb 14·3	mb 14·2	mb 14·1	mb 14·1	mb 14·2	mb 14·3	mb 14·4	mb 14·4	mb 14·3	mb 14·0	mb 13·8	mb 13·9	mb 14·1	mb 14·2	mb 14·7	mb 14·8	mb 14·6	mb 14·6	mb 14·5	mb 14·7	mb 14·6	mb 14·6	mb 14·5	mb ‡14·3	

478 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — AUGUST, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	93	93	93	94	94	92	87	88	85	82	78	67	76	81	81	72	74	71	76	82	88	88	95	96	84·4	15·9
2	96	98	96	98	97	96	95	93	86	83	92	92	91	84	80	68	61	62	69	76	78	81	85	90	85·4	15·0
3	89	85	80	84	85	78	78	74	68	63	63	55	46	50	53	52	56	61	59	72	76	80	85	83	69·9	12·8
4	86	87	88	88	87	85	79	73	73	64	64	60	56	63	58	53	53	51	56	62	70	77	83	81	70·7	12·3
5	80	86	88	88	87	87	85	74	66	58	60	57	54	51	54	52	52	52	60	69	81	80	78	82	70·0	12·8
6	85	94	94	94	93	94	93	84	82	76	79	79	79	81	80	88	88	88	91	92	88	88	88	92	86·9	16·2
7	91	91	93	91	94	91	88	90	84	83	81	81	80	81	83	80	81	78	80	82	84	84	85	85	85·2	14·2
8	89	88	86	86	93	91	93	88	82	69	70	64	67	63	62	65	61	64	68	84	91	96	93	98	79·3	14·1
9	97	97	97	96	97	96	95	87	76	73	64	63	64	62	64	67	64	69	76	80	79	82	88	93	80·4	15·3
10	96	94	96	94	93	94	89	83	80	69	66	66	65	63	62	59	62	66	70	79	79	80	77	86	78·0	15·8
11	91	94	96	92	92	93	93	92	84	73	70	66	63	55	64	62	62	65	72	78	82	88	88	89	79·3	15·4
12	89	94	95	97	95	93	86	86	87	84	82	78	70	70	61	58	63	63	67	74	75	75	72	79	79·1	14·5
13	87	90	93	91	88	89	86	80	72	69	61	61	58	59	65	60	67	63	61	73	82	86	91	93	75·7	13·8
14	93	93	94	95	94	89	82	79	73	67	63	60	60	58	57	60	61	60	60	74	87	88	91	93	78·3	14·4
15	95	97	95	96	96	97	97	93	81	71	69	64	59	58	50	50	59	59	67	78	88	92	94	96	79·2	15·6
16	93	97	95	96	96	97	96	91	84	74	65	61	57	56	53	54	54	57	64	73	85	84	89	89	77·6	17·0
17	88	90	86	81	79	85	84	78	75	73	68	58	57	58	56	57	61	67	69	77	81	84	85	87	74·4	16·9
18	88	89	89	90	90	90	89	83	77	76	66	62	60	56	54	45	49	44	48	58	72	72	67	73	70·6	15·0
19	74	76	77	84	84	88	85	80	73	65	60	57	59	66	73	83	88	90	90	94	94	94	95	94	79·7	14·5
20	95	92	93	90	92	92	90	87	84	79	74	67	65	65	64	60	61	64	70	78	84	87	89	91	79·7	17·0
21	91	93	92	92	92	90	82	82	79	79	73	65	67	61	61	57	60	57	62	63	67	66	70	76	74·3	14·9
22	79	86	95	88	89	89	87	79	69	61	47	49	53	51	52	49	49	51	55	61	69	81	90	95	69·4	12·5
23	95	95	95	96	99	94	92	86	73	64	56	55	49	47	47	46	44	46	53	71	78	79	82	87	72·2	13·2
24	91	89	93	90	93	91	88	92	75	69	65	63	59	57	57	57	57	58	63	71	80	81	88	91	75·7	16·5
25	93	93	96	95	96	95	92	88	77	67	61	56	52	52	50	51	50	52	59	77	77	74	79	80	73·6	17·0
26	83	82	87	85	86	82	80	75	74	72	67	61	56	48	50	50	54	56	63	66	71	74	78	80	70·0	14·4
27	82	84	87	89	91	90	88	76	73	63	61	61	59	57	56	56	57	62	69	79	83	84	88	90	74·2	13·8
28	92	96	97	98	95	98	99	97	94	85	75	68	57	48	48	48	47	44	54	68	76	87	93	96	77·4	15·1
29	96	99	94	95	96	96	97	93	87	81	59	58	30	29	26	31	41	53	70	72	75	84	86	84	72·4	14·4
30	87	87	92	90	93	92	85	78	66	58	55	51	42	44	46	50	57	62	67	72	75	84	84	87	71·0	16·4
31	85	87	87	90	84	80	78	69	68	67	68	66	63	64	64	67	69	71	74	76	80	82	79	83	75·1	15·8
Mean	89·3	90·8	91·6	91·4	91·3	90·8	88·3	83·8	77·6	71·5	67·2	63·6	60·4	59·3	59·1	58·6	60·1	61·5	66·5	74·5	79·8	82·6	85·0	87·7	76·4	†14·9
Vapour Pressure*	mb 14·6	mb 14·5	mb 14·4	mb 14·3	mb 14·1	mb 14·3	mb 14·6	mb 14·8	mb 14·9	mb 14·7	mb 14·7	mb 14·6	mb 14·5	mb 14·5	mb 14·7	mb 14·6	mb 14·7	mb 14·7	mb 14·8	mb 15·1	mb 15·2	mb 15·1	mb 14·9	mb 14·8	mb ‡14·7	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

479 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres — SEPTEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	87	88	92	93	96	94	89	82	74	75	75	74	74	68	67	67	66	71	75	80	80	84	85	86	80·0	16·3
2	88	88	87	87	86	89	85	81	81	73	70	65	63	64	63	66	64	68	80	84	88	90	89	96	78·7	17·1
3	96	97	96	96	94	96	94	90	85	80	83	78	71	74	79	89	89	86	80	83	87	91	90	91	87·4	17·3
4	92	92	90	94	93	91	89	93	93	89	88	85	82	74	79	80	79	76	84	85	85	89	89	88	86·7	16·4
5	86	90	93	96	97	94	91	88	78	75	79	67	89	87	76	85	75	77	85	83	84	84	85	85	84·6	15·0
6	86	81	84	82	79	80	78	78	70	64	60	62	57	60	61	68	73	78	78	79	82	86	86	86	74·9	13·3
7	85	82	93	93	94	97	86	73	61	58	51	47	42	47	49	55	55	62	65	70	74	78	74	80	69·7	13·1
8	82	81	77	80	80	77	86	82	83	77	73	66	61	67	66	66	65	67	71	76	80	83	88	89	75·7	12·9
9	91	91	91	93	95	97	94	91	86	85	81	78	75	68	65	65	64	75	83	88	91	93	87	94	84·1	14·4
10	94	92	89	91	96	98	98	97	98	97	91	86	85	79	79	80	74	78	85	91	94	92	91	96	89·6	16·7
11	96	93	93	92	92	95	91	87	83	72	67	62	57	56	61	65	66	70	73	75	76	75	73	70	77·2	16·2
12	71	76	73	73	78	79	78	77	78	80	81	82	82	85	87	74	75	88	94	93	94	94	94	95	82·0	16·2
13	97	97	97	96	96	96	95	96	95	90	84	82	74	73	64	64	59	62	72	80	79	85	88	90	83·9	16·6
14	91	94	94	97	97	99	97	97	91	83	75	65	58	54	59	67	72	74	69	78	81	86	87	83	81·3	13·3
15	85	86	89	91	90	93	91	87	85	76	77	73	68	64	71	85	82	89	89	94	94	91	92	93	84·6	12·5
16	92	89	89	91	95	98	97	95	91	85	69	65	56	63	63	65	67	71	74	75	80	81	85	89	80·3	13·6
17	92	93	92	91	90	90	91	88	84	79	78	75	70	67	65	62	65	79	83	88	85	85	86	87	81·9	15·6
18	90	90	90	90	86	85	84	84	80	77	71	73	70	69	71	72	75	79	83	89	94	93	95	96	82·5	14·3
19	96	96	98	98	99	97	96	96	94	86	81	78	77	75	76	74	77	80	81	86	88	88	90	89	87·5	14·3
20	93	93	94	97	93	91	90	84	81	72	64	62	65	61	61	65	85	94	89	89	90	93	95	96	83·1	15·9
21	96	96	96	95	95	95	93	92	90	96	85	92	84	86	85	89	87	90	90	93	97	97	98	98	92·3	17·4
22	100	99	99	100	100	100	99	100	99	97	94	93	86	81	80	71	75	90	96	96	97	99	98	98	93·6	15·2
23	100	100	99	99	100	100	100	100	98	97	95	86	82	75	67	68	75	84	83	86	92	93	92	93	90·3	15·3
24	94	94	93	92	92	90	88	88	85	82	78	72	73	68	72	74	79	82	85	89	91	90	92	93	84·8	17·0
25	94	95	95	96	96	96	95	94	90	85	84	84	90	79	79	78	82	83	89	85	83	83	85	87	87·5	17·4
26	89	93	88	88	88	90	94	92	89	80	78	74	74	62	62	65	64	72	74	76	76	81	89	89	80·3	11·2
27	87	88	88	89	88	87	87	83	75	76	79	76	84	86	91	77	74	83	89	86	89	89	88	88	84·5	10·1
28	92	91	88	88	82	85	82	75	72	69	68	66	65	61	60	52	50	61	70	76	76	82	88	86	74·4	9·3
29	85	88	89	92	93	92	90	81	74	66	63	59	59	56	56	58	56	62	67	72	89	94	94	94	76·0	9·0
30	94	94	94	94	93	94	86	84	81	79	73	67	67	69	73	75	75	78	81	79	80	79	83	83	81·7	10·3
Mean	90·7	90·9	91·0	91·8	91·8	92·2	90·5	87·8	84·1	80·0	76·5	73·1	71·0	69·3	69·6	70·7	71·5	77·0	80·6	83·5	85·9	87·6	88·5	89·6	82·7	14·4†
Vapour Pressure*	mb 14·1	mb 14·0	mb 13·9	mb 13·8	mb 13·8	mb 13·8	mb 14·0	mb 14·2	mb 14·3	mb 14·3	mb 14·3	mb 14·3	mb 14·2	mb 14·3	mb 14·3	mb 14·3	mb 14·3	mb 14·6	mb 14·4	mb 14·3	mb 14·2	mb 14·2	mb 14·0	mb 14·0	mb ‡14·2	

480 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — OCTOBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	84	85	84	84	86	87	85	84	78	72	70	67	68	69	68	72	73	78	78	81	85	79	82	83	78·4	10·8
2	83	85	86	87	85	87	84	83	78	78	75	66	65	59	57	60	66	69	68	65	81	85	85	91	76·0	10·2
3	96	97	98	100	90	97	90	77	64	54	52	51	49	46	46	49	56	69	71	81	84	83	88	97	74·3	8·2
4	98	100	100	100	100	100	100	97	89	67	63	60	51	49	49	58	64	84	79	91	91	96	100	100	82·7	9·2
5	100	100	100	100	100	100	100	100	91	82	71	47	54	52	48	49	51	56	61	65	68	72	74	77	76·2	7·6
6	83	83	84	87	85	84	86	83	73	65	60	52	54	71	68	56	61	70	76	80	79	82	86	89	74·6	7·7
7	87	90	92	93	93	95	90	79	76	61	66	61	59	57	61	57	63	63	70	74	77	81	81	83	75·5	7·8
8	84	85	89	90	90	93	94	94	88	79	84	77	72	69	64	57	60	66	81	72	67	67	69	69	77·8	8·3
9	72	73	85	94	86	84	86	83	75	70	63	61	61	56	66	70	77	77	78	81	77	79	80	78	75·3	8·1
10	77	81	83	82	84	87	84	80	72	69	65	61	64	65	62	71	74	79	81	86	86	88	93	91	77·4	8·5
11	91	88	91	94	96	100	95	90	83	80	67	57	65	61	61	63	65	74	93	96	97	100	100	98	83·4	8·6
12	100	97	98	98	98	97	97	94	90	88	85	82	76	73	69	71	69	74	83	84	84	86	92	93	86·7	10·0
13	92	91	93	94	94	96	92	92	87	79	67	66	68	67	66	72	70	75	79	82	88	91	93	98	82·9	10·2
14	97	98	96	98	98	98	98	96	94	96	93	93	89	94	93	91	91	90	90	88	86	82	91	92	93·1	12·2
15	94	98	96	99	98	98	97	86	94	85	78	76	71	67	67	66	70	65	74	80	79	89	91	91	83·7	12·7
16	94	98	98	99	98	96	94	89	83	76	64	54	55	57	58	62	70	79	80	84	85	85	89	88	80·7	10·8
17	89	89	91	90	89	83	75	71	71	67	64	63	67	67	71	74	77	80	82	77	78	88	86	81	78·0	11·9
18	78	79	77	65	69	65	69	70	66	61	55	54	46	48	46	50	54	61	65	74	78	76	80	81	65·3	8·5
19	87	87	87	86	85	84	84	86	84	79	56	52	55	62	59	56	69	80	70	75	66	67	67	65	73·2	8·8
20	70	75	70	81	83	84	78	69	55	50	42	44	46	49	60	66	72	82	82	83	83	84	86	84	69·5	7·7
21	85	87	88	86	85	85	84	84	83	83	83	79	77	77	73	74	76	77	77	80	80	82	85	90	81·5	11·2
22	90	93	96	96	98	96	100	99	91	92	87	82	75	76	75	78	84	87	88	89	89	90	93	91	88·9	12·1
23	90	89	88	91	92	93	91	93	87	80	70	68	78	87	85	83	85	86	85	88	85	89	93	94	86·2	12·3
24	95	94	95	96	98	98	98	99	94	95	91	87	83	64	62	73	78	81	84	84	86	87	84	84	87·5	11·0
25	83	82	86	93	97	98	97	83	69	71	54	55	47	45	58	90	90	90	74	78	78	77	76	85	77·3	9·3
26	87	89	90	87	88	88	90	92	95	98	97	97	95	91	90	84	87	88	92	91	81	75	69	56	88·0	11·6
27	61	51	51	52	60	56	58	58	55	51	46	47	51	62	61	70	78	79	84	88	81	83	74	75	63·5	7·3
28	74	74	75	76	76	77	78	76	70	65	62	63	61	55	59	64	67	72	77	83	86	87	89	92	72·8	9·7
29	92	95	94	96	98	96	98	100	94	90	83	72	75	77	85	92	95	97	95	96	97	96	98	97	91·9	9·0
30	95	94	95	97	95	97	98	99	95	87	87	80	73	76	82	89	90	93	94	90	84	86	87	87	89·8	13·5
31	89	94	94	95	95	97	96	94	92	92	94	94	92	88	87	87	87	86	83	81	82	86	86	85	89·9	10·8
Mean	87·0	87·8	88·7	89·6	89·9	90·2	89·2	86·5	81·2	76·2	70·8	66·7	65·9	65·7	66·3	69·5	73·2	77·6	79·8	82·2	82·2	83·8	85·4	86·0	80·1	†9·8
Vapour Pressure*	mb 9·5	mb 9·5	mb 9·4	mb 9·4	mb 9·4	mb 9·4	mb 9·4	mb 9·4	mb 9·6	mb 9·7	mb 9·6	mb 9·5	mb 9·6	mb 9·6	mb 9·7	mb 9·9	mb 10·0	mb 10·1	mb 10·1	mb 10·0	mb 9·8	mb 9·7	mb 9·7	mb 9·5	mb ‡9·6	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

481 KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres — NOVEMBER, 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	86	89	90	92	98	94	100	100	90	92	87	78	74	64	70	68	82	84	86	90	89	93	96	98	86·8	8·1
2	98	99	99	99	99	98	98	99	99	96	87	88	82	80	84	88	83	84	80	88	94	93	97	98	92·0	10·5
3	98	97	100	98	97	96	98	96	98	96	96	96	98	95	98	98	96	96	96	98	98	96	96	96	96·9	10·3
4	96	96	89	90	93	94	96	96	93	94	82	74	61	56	65	69	79	79	79	82	85	82	83	82	83·4	9·1
5	83	83	82	86	89	88	87	88	93	94	90	85	77	77	72	73	78	84	86	88	88	88	90	91	84·8	9·7
6	93	94	97	100	100	98	97	100	93	87	84	82	77	72	71	70	76	89	93	94	86	90	88	90	88·4	9·2
7	86	86	89	87	90	87	91	93	90	90	86	83	76	83	83	86	88	86	86	83	83	87	85	86	86·4	9·2
8	83	81	85	88	83	88	77	76	68	66	65	56	51	58	69	85	86	79	82	82	72	80	75	83	75·8	7·8
9	82	82	81	81	87	87	89	89	86	84	80	74	64	64	66	74	74	78	79	83	84	88	89	89	80·5	9·4
10	91	91	91	93	93	86	88	86	77	72	67	68	66	70	72	69	78	79	77	77	80	84	85	90	80·4	8·1
11	89	91	96	94	96	96	98	94	94	94	81	79	83	90	90	89	92	92	96	98	98	96	88	88	91·8	8·8
12	86	85	86	84	91	91	89	89	91	93	93	89	88	90	87	87	89	93	95	97	95	91	89	88	89·8	11·6
13	87	86	86	89	89	86	83	83	84	80	75	76	74	74	73	76	81	83	86	90	90	93	94	96	83·7	9·3
14	97	100	98	98	100	98	95	93	92	93	96	92	85	71	68	69	74	78	81	84	85	84	86	87	87·9	8·5
15	85	89	95	95	95	98	98	95	91	84	82	80	79	79	78	82	82	83	84	84	80	81	85	86	86·3	9·0
16	89	89	88	87	88	92	89	89	90	87	85	74	71	71	74	83	89	96	98	99	97	98	98	97	88·0	11·8
17	98	98	98	97	96	96	95	95	95	94	94	95	91	90	91	90	86	91	93	80	77	79	71	73	90·6	12·5
18	71	72	71	72	73	74	80	80	82	84	73	70	69	71	67	70	73	73	72	71	71	71	74	76	73·3	7·7
19	79	83	85	90	88	86	86	86	86	86	88	86	85	85	83	82	76	77	77	76	80	77	76	74	82·4	8·5
20	73	73	70	66	66	71	76	76	69	67	63	65	65	63	60	63	64	69	73	76	76	77	77	78	69·7	6·6
21	78	79	81	82	84	87	87	88	85	82	82	80	76	76	76	78	82	83	85	92	90	97	98	95	83·9	7·4
22	93	94	92	89	87	92	96	96	95	96	94	97	97	97	97	100	100	100	100	100	98	98	98	98	96·0	7·8
23	97	95	98	98	98	100	100	100	98	98	100	94	92	92	93	92	93	94	94	94	94	94	94	93	95·7	7·0
24	91	94	96	96	93	93	91	91	90	85	87	85	85	87	89	91	91	93	96	94	94	96	98	98	91·7	6·4
25	96	96	98	98	100	100	100	100	98	98	90	89	90	87	87	89	90	92	88	88	88	92	90	94	93·4	6·5
26	94	94	96	96	96	96	96	96	94	91	91	91	90	87	87	81	84	86	88	83	90	96	97	98	91·5	8·0
27	98	100	100	98	98	98	93	96	95	92	90	89	84	82	77	82	89	90	90	93	90	93	93	93	91·9	7·2
28	97	97	98	97	95	97	98	94	91	85	87	85	84	85	86	89	90	87	92	94	93	95	98	100	92·1	7·4
29	100	100	100	100	100	100	100	100	98	96	93	89	89	94	94	93	96	96	98	99	96	98	98	98	96·9	7·9
30	98	98	96	96	96	96	95	92	91	92	84	80	71	72	69	75	58	56	57	62	66	63	69	70	79·8	9·7
Mean	89·7	90·4	91·0	91·1	91·9	92·1	92·2	91·9	89·8	88·3	85·1	82·2	79·1	78·7	79·2	81·4	83·3	85·0	86·2	87·4	86·9	88·2	88·6	89·4	87·1	†8·7
Vapour Pressure*	mb 8·5	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·4	mb 8·5	mb 8·7	mb 8·8	mb 8·8	mb 8·8	mb 8·7	mb 8·7	mb 8·7	mb 8·7	mb 8·8	mb 8·8	mb 8·8	mb 8·6	mb 8·7	mb 8·6	mb 8·5	mb ‡8·6	

482 KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — DECEMBER, 1936

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	71	72	72	64	73	70	76	71	69	65	65	64	61	62	61	63	65	71	75	77	78	78	79	81	69·9	6·8
2	85	83	80	80	79	89	96	98	95	85	81	79	76	72	70	70	76	77	78	85	84	80	79	76	81·5	9·9
3	79	77	78	77	82	82	83	82	83	79	75	70	73	74	75	80	83	82	83	85	83	83	80	79	79·4	10·4
4	79	81	80	81	81	74	76	76	71	67	54	51	47	46	42	57	65	70	75	78	80	79	77	79	69·4	7·4
5	82	84	83	78	79	79	83	83	81	84	80	73	61	77	74	68	73	65	69	76	73	79	71	69	76·2	6·8
6	65	82	85	77	68	69	75	87	82	91	80	82	76	71	73	70	69	69	73	74	71	70	68	71	74·9	5·7
7	72	70	68	70	72	71	72	67	63	69	68	65	63	62	65	65	65	70	75	75	78	78	80	80	69·9	4·3
8	82	80	78	78	76	84	93	94	93	94	95	97	97	97	100	98	99	99	99	100	93	98	93	92	91·8	6·9
9	93	91	93	93	96	98	98	100	96	100	100	98	100	98	95	97	95	96	96	96	96	94	100	98	96·4	7·0
10	100	100	100	100	97	97	97	97	90	83	87	85	85	78	78	70	75	76	76	80	79	82	89	92	87·3	6·6
11	93	93	94	97	98	100	100	100	93	93	90	89	90	88	87	93	94	92	90	90	87	85	85	87	92·1	6·1
12	87	89	89	87	87	89	90	89	87	90	89	87	89	87	89	90	92	96	96	97	90	89	88	85	89·5	6·9
13	87	91	93	96	98	98	100	100	100	100	100	84	83	82	81	82	87	89	85	81	78	80	80	82	89·1	6·9
14	85	86	87	88	89	88	87	89	92	91	89	87	86	86	86	86	88	88	91	89	87	85	89	88	87·7	10·2
15	85	82	78	74	79	80	83	88	85	84	77	71	71	73	76	79	84	86	86	83	84	78	82	78	80·5	7·4
16	76	77	82	81	83	89	91	89	95	93	88	78	67	68	77	83	87	88	86	81	85	84	86	88	83·2	8·8
17	87	88	87	87	87	89	91	89	88	92	95	92	94	96	91	89	93	94	95	94	93	91	90	91	90·9	11·0
18	93	91	90	91	93	94	90	91	87	89	86	85	85	88	94	94	93	92	91	90	78	82	86	87	89·3	11·9
19	86	87	81	83	81	86	84	85	83	83	78	78	70	77	77	78	79	83	86	86	85	82	82	81	81·8	8·5
20	83	81	82	82	82	83	83	85	81	79	76	71	71	74	76	76	79	81	82	81	82	85	89	89	80·4	8·7
21	91	91	91	93	92	92	94	93	92	87	82	82	80	81	83	83	88	91	91	88	84	84	87	89	87·9	9·2
22	90	90	90	93	93	94	94	93	93	93	87	85	84	83	83	87	89	87	89	88	84	88	90	93	89·1	9·6
23	94	94	96	97	98	96	94	96	96	94	92	82	83	80	83	85	90	92	96	94	98	98	98	100	92·6	7·4
24	100	100	100	100	100	100	100	100	98	98	98	95	93	92	91	91	91	89	89	84	84	87	90	90	94·4	7·2
25	90	89	93	92	97	96	95	95	93	92	81	74	79	74	78	81	82	85	87	88	87	90	91	91	87·5	8·1
26	91	93	93	96	96	98	96	98	98	98	99	98	99	99	99	98	96	98	98	96	96	99	99	97	96·9	9·4
27	96	96	96	96	94	93	91	88	86	84	78	76	78	78	79	79	81	82	88	89	88	91	89	90	87·0	7·6
28	89	90	90	89	89	90	89	90	90	94	96	94	96	100	98	100	100	100	98	100	96	94	90	93	93·9	6·6
29	96	98	98	95	95	93	94	95	92	91	87	84	84	81	89	89	86	88	87	88	92	91	89	89	90·5	10·8
30	89	91	89	89	85	83	86	86	89	87	85	86	78	71	75	81	87	86	92	90	92	92	92	94	86·4	8·5
31	92	96	96	96	96	96	93	90	90	87	84	83	81	80	80	81	82	83	83	82	87	88	89	92	87·8	9·1
Mean	86·7	87·5	87·5	87·1	87·6	88·4	89·5	89·9	88·1	87·6	84·6	81·5	80·0	79·8	80·8	82·0	84·3	85·3	86·6	86·6	85·5	85·9	86·4	86·8	85·7	†8·1
Vapour Pressure*	mb 7·9	mb 7·9	mb 7·8	mb 7·7	mb 7·7	mb 7·8	mb 7·8	mb 7·8	mb 7·8	mb 8·0	mb 8·1	mb 8·1	mb 8·2	mb 8·2	mb 8·3	mb 8·2	mb 8·2	mb 8·2	mb 8·1	mb 8·1	mb 7·9	mb 7·9	mb 7·9	mb 7·9	mb ‡8·0	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

*Computed from the mean temperature and mean relative humidity †Mean of the column ‡Mean of the row

RELATIVE HUMIDITY AND VAPOUR PRESSURE: ANNUAL MEANS FROM HOURLY VALUES
For exact hours, Greenwich Mean Time

483 **KEW OBSERVATORY:** North Wall Screen: h_t = 3·0 metres 1936

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Relative Humidity	% 87·2	% 87·9	% 88·6	% 89·1	% 89·2	% 88·5	% 86·9	% 84·5	% 80·7	% 77·7	% 73·7	% 70·8	% 68·3	% 67·6	% 67·5	% 68·8	% 70·6	% 72·6	% 75·7	% 79·0	% 81·1	% 83·2	% 84·8	% 86·2	% 79·6
Vapour Pressure in Millibars.*	mb 9·8	mb 9·7	mb 9·7	mb 9·6	mb 9·6	mb 9·7	mb 9·7	mb 9·8	mb 9·9	mb 10·0	mb 10·0	mb 10·0	mb 10·0	mb 10·0	mb 10·0	mb 10·1	mb 10·1	mb 10·1	mb 10·1	mb 10·0	mb 9·9	mb 9·9	mb 9·9	mb 9·8	mb 9·9

* Computed from the mean temperature and mean relative humidity

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES
The departures from the mean of the day are adjusted for non-cyclic change†

484 **KEW OBSERVATORY:** North Wall Screen: h_t = 3·0 metres 1936

Month	Mean	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
January	87·2	+2·7	+1·9	+2·5	+3·4	+3·2	+3·5	+2·9	+2·8	+2·2	+1·8	-1·2	-3·0	-4·9	-5·3	-6·6	-5·3	-2·5	-1·7	-0·8	+0·6	-0·3	+0·6	+1·3	+2·1
February	79·3	+4·5	+5·5	+6·4	+7·1	+7·4	+7·7	+7·5	+7·1	+4·8	+2·5	-2·0	-6·2	-9·7	-11·9	-11·7	-10·7	-8·3	-5·9	-1·3	-0·4	+0·5	+1·6	+2·5	+3·0
March	79·9	+6·5	+7·7	+8·0	+9·0	+8·5	+8·5	+8·3	+6·9	+2·7	-1·4	-5·4	-7·9	-10·7	-11·5	-13·2	-12·0	-10·6	-6·9	-2·6	-0·1	+2·1	+3·6	+4·7	+5·8
April	72·6	+12·0	+12·9	+13·9	+13·9	+14·9	+13·7	+9·3	+3·2	-1·5	-4·9	-8·2	-9·5	-14·4	-14·0	-16·3	-12·7	-13·1	-10·8	-7·0	-2·8	-0·8	+3·7	+7·6	+10·9
May	71·7	+11·6	+13·0	+14·0	+14·5	+14·7	+12·6	+9·4	+5·1	-1·4	-4·9	-8·1	-10·9	-14·3	-15·4	-15·3	-15·3	-12·5	-11·2	-7·1	-2·1	+0·9	+4·8	+7·8	+10·0
June	74·7	+11·4	+12·1	+13·6	+14·0	+13·4	+10·3	+6·1	+2·8	-1·0	-3·8	-7·5	-10·2	-12·5	-13·3	-13·0	-14·1	-13·6	-12·5	-9·2	-2·3	+3·3	+6·7	+8·7	+10·5
July	77·7	+10·6	+11·3	+12·2	+12·6	+12·1	+9·1	+6·0	+2·7	-1·5	-5·4	-9·8	-12·4	-13·1	-13·2	-12·5	-9·5	-8·3	-9·6	-6·6	-1·9	+3·7	+5·9	+8·1	+9·5
August	76·4	+12·8	+14·3	+15·1	+14·9	+14·8	+14·3	+11·9	+7·4	+1·3	-4·9	-9·2	-12·8	-15·9	-17·0	-17·3	-17·7	-16·2	-14·8	-9·7	-1·7	+3·6	+6·4	+8·8	+11·5
September	82·7	+8·0	+8·2	+8·3	+0·1	+9·1	+9·5	+7·8	+5·1	+1·4	-2·7	-6·2	-9·6	-11·7	-13·4	-13·1	-12·0	-11·2	-5·7	-2·1	+0·8	+3·2	+4·9	+5·8	+6·9
October	80·1	+7·0	+7·7	+8·7	+9·8	+9·9	+10·1	+9·2	+6·4	+1·1	-3·9	-9·3	-13·3	-14·2	-14·4	-13·7	-10·6	-6·9	-2·4	-0·3	+2·1	+2·1	+3·7	+5·3	+5·9
November	87·1	+2·4	+3·1	+3·8	+3·9	+4·7	+4·9	+5·0	+4·7	+2·7	+1·2	-2·0	-4·9	-7·9	-8·3	-7·8	-5·6	-3·7	-1·9	-0·7	+0·5	0·0	+1·3	+1·7	+2·6
December	85·6	+1·4	+2·2	+2·1	+1·7	+2·1	+2·9	+4·0	+4·3	+2·5	+2·0	-1·0	-4·2	-5·7	-5·9	-4·9	-3·7	-1·5	-0·5	+0·7	+0·7	-0·4	0·0	+0·4	+0·8
Year	79·6	+7·6	+8·3	+9·0	+9·5	+9·6	+8·9	+7·3	+4·9	+1·1	-2·1	-5·9	-8·8	-11·3	-12·0	-12·1	-10·8	-9·0	-7·0	-3·9	-0·6	+1·5	+3·6	+5·2	+6·6

† See page 23

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES
†Amounts, in millimetres, durations, in hours for periods of sixty minutes between the exact hours, Greenwich Mean Time

485 **KEW OBSERVATORY:** H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres 1936

Hour G. M. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm 24·6	mm 20·4	mm 25·3	mm 28·9	mm 22·3	mm 24·7	mm 24·8	mm 23·3	mm 29·2	mm 32·9	mm 28·1	mm 22·5	mm 31·2	mm 39·2	mm 15·8	mm 27·5	mm 25·5	mm 38·8	mm 23·2	mm 18·6	mm 17·6	mm 19·0	mm 16·7	mm 22·9	mm 603·0
Duration	hr 20·8	hr 21·4	hr 24·1	hr 25·4	hr 24·9	hr 26·1	hr 19·4	hr 19·9	hr 22·7	hr 21·8	hr 21·3	hr 16·0	hr 18·8	hr 18·5	hr 13·6	hr 22·4	hr 20·6	hr 19·8	hr 15·5	hr 15·8	hr 11·3	hr 11·9	hr 13·7	hr 18·3	hr 464·0

† The totals and durations for individual months are printed in the tables on the following pages

NOTES ON RAINFALL

486 **KEW OBSERVATORY** 1936

Dry Periods.

The following definitions are adopted by "The British Rainfall Organisation".
An "absolute drought" is a period of at least 15 consecutive days to none of which is credited 0·2 mm of rain or more.
A "partial drought" is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed 0·2 mm.
A "dry spell" is a period of at least 15 consecutive days to none of which is credited 1·0 mm or more.

"Absolute drought" April 27th - May 16th
No "Partial droughts" occurred in 1936
"Dry Spells" August 12th - September 3rd and September 28th - October 13th

Wet Periods.

The following definitions are adopted by "The British Rainfall Organisation".
A "Rain Spell" is a period of at least 15 consecutive days to each of which is credited 0·2 mm of rain or more.
A "Wet Spell" is a period of at least 15 consecutive days to each of which is credited 1·0 mm or more.

No "Rain Spells" or "Wet Spells" occurred in 1936.

Rainfall Duration.

Hours	0·1-1·0	1·1-2·0	2·1-6·0	6·1-1·12	>12
Number of days	61	34	69	13	3

Continuous Falls.
The fall of the longest duration was 12mm in 10h 24m on June 13th.

Heavy Falls in Short Periods.
On June 19th 5mm fell in 5 minutes.

Rate of Rainfall (Jardi Recorder)
On Sept. 5th the highest instantaneous rate of rainfall exceeded 160 mm/hr, the limit of registration of the instrument.

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

487 KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres

JANUARY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	·3	1·2	·2	...	...	...	...	·1	·6	·5	·2	·3	1·0	1·6	4·1†	·1	...	...	...	...	...	10·2	5·6	19
2	...	...	...	...	...	·3	·2	...	...	...	·2†	·3	(...)	·1	...	...	...	...	...	...	...	...	...	...	1·1	1·6	7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	0·4	0·6	...
6	...	...	...	...	...	·3	·6	...	·1	·1	1·9†	...	...	...	...	...	...	·1	·7	...	...	...	...	·3	4·1	3·8	5
7	·4	...	...	1·0	·6	·2	·1	...	·1	·7	1·4	1·4	1·1	·2	...	...	...	...	...	...	...	...	...	...	7·2	6·5	4
8	...	...	...	...	...	...	...	...	...	...	...	...	·6	·3	·6	1·2	·2	·1	·1	...	...	...	·1	·2	3·4	5·1	3
9	·1	...	...	...	...	...	...	...	...	...	·1	...	·1	·3	...	1·0	3·0†	2·0	·1	·3	...	...	...	...	7·0	3·8	6
10	(...)	...	1·7	4·5†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·3	2·1	128
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(_)	(_)	(_)	(_)	(·1)	0·1	...	...
15	(_)	(_)	(_)	(_)	(·1)	(_)	(_)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
16	...	...	...	...	...	...	...	...	...	...	...	1·7†	...	·2	1·6	·3	1·0	·5	·1	·1	·7	·9	·9	·9	8·9	8·0	7
17	·8	·8	·8	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	3·3	...
18	...	...	...	...	·4	1·6	·3	1·5†	·1	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·1	5·1	6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·4	·4	...	·5	2·0	3·2	2
20	·3	·4	·7	·6	·3	...	...	...	...	...	...	...	...	·2	...	·2	...	·2	...	...	...	...	...	...	2·9	3·9	3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·3	1·6	...	...	...	...	...	...	3·0	1·7	4
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3	...
24	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·2	·2	·2	·2	...	·4	2·0	3·0	2
25	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	0·4	1·2	...
26	...	...	·6	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	1·4	2
27	...	...	...	...	...	...	...	...	...	·1	1·1	·5	·2	...	...	...	...	...	...	·4	...	...	...	...	2·3	3·0	4
28	...	...	...	...	...	...	1·3	·2	...	...	...	...	...	...	...	...	...	...	...	3·7	5·2†	2·8	2·6	2·0	17·8	5·6	8
29	·4†	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·4	5
30	...	...	...	1·3	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	1·5	1·1	3
31	...	...	·2	·3	...	·4	...	...	...	...	...	·9	2·7	3·5†	·2	...	...	...	...	...	...	...	...	...	8·2	4·0	44
Sums	2·0	1·2	4·1	9·5	2·7	3·1	2·5	1·7	0·3	2·5	4·8	5·4	5·2	5·0	2·7	3·9	7·4	9·3	1·4	5·7	6·5	4·3	3·7	4·4	99·3	74·3	
Total Duration	hr 1·8	hr 1·2	hr 4·1	hr 5·0	hr 3·5	hr 3·8	hr 3·1	hr 1·4	hr 1·0	hr 1·7	hr 3·3	hr 4·2	hr 4·1	hr 3·6	hr 2·2	hr 3·4	hr 5·0	hr 4·6	hr 2·3	hr 3·6	hr 3·3	hr 2·8	hr 2·4	hr 2·9	hr 74·3		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

488 KEW OBSERVATORY: H_r = 5·5 metres + 0·53 metres

FEBRUARY, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	2·7†	·1	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	2·8	1·3	9
2	...	...	...	...	·1	1·0	·6	...	...	...	...	...	...	...	1·9†	·9	2·0	...	...	...	...	...	...	...	6·5	3·8	19
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	·2	(...)	·1	·2	·1	·2	·1	·1	(...)	...	·2	...	·4	·1	·3	...	·1	...	·2	...	...	...	2·3	5·8	3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	·1	1·1	·4	·3	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·3	3
18	·7	1·4	1·9	1·3	1·0	1·3	·1	...	...	...	...	...	...	·5†	...	...	...	...	...	...	...	...	...	...	8·2	6·3	15
19	...	...	...	...	·1	·1	(...)	·4	·7	·1	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	1·8	2·4	4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	·3	·5	...	...	·3†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·0	19
22	...	...	...	...	...	...	...	...	...	·5	1·4	1·4	2·7	2·2†	·1	·5	·1	...	...	...	...	...	...	...	8·9	6·0	6
23	...	·2	·1	·1	·4	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	2·1	3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	0·9	1·2	3
25	·4	·3	·4	·8	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	5·1	1
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·3	...
27	(...)	(...)	(·1)	...	·6	·5	...	...	...	...	·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	2·1	8
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	·1	·1	·1	·3	·2	1·0	3·4	...
Sums	1·5	3·5	3·1	2·5	3·0	3·4	1·1	3·3	0·9	0·7	1·9	1·4	2·9	2·8	2·5	1·9	2·4	...	0·1	0·1	0·3	0·1	0·5	1·0	40·9	44·1	
Total Duration	hr 2·5	hr 3·9	hr 4·0	hr 3·2	hr 3·9	hr 4·3	hr 1·9	hr 1·7	hr 1·7	hr 0·7	hr 1·2	hr 1·0	hr 1·4	hr 1·2	hr 1·9	hr 2·6	hr 1·7	hr ...	hr 0·2	hr 0·2	hr 0·9	hr 0·6	hr 1·1	hr 2·3	hr 44·1	-	
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

489 KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres

MARCH, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	·2	·2	·1	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	·5	·1	...	...	...	...	...	1·4	3·6	2
2	...	...	...	...	...	·1	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·4	1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·2	1
5	1·1	·4	·4	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	4·0	2
6	...	...	...	...	·1	·3†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	...	...	...	...	0·1	0·2	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	·1	(...)	(·1)	·3	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	·3	1·1	2·4	3
10	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·2	...	·4	·5	...	...	1·6†	·1	...	...	...	...	...	...	...	...	...	...	2·8	1·7	8
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	·4	·1	...	...	1·0†	...	...	...	...	...	·6	...	·3	·1	...	...	...	...	...	...	...	2·5	2·4	16
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	·2	1·6	·4	·1	...	·2	·6	·6	·2	2·2†	1·0	·7	·2	...	...	...	...	...	...	...	...	...	8·0	8·7	7
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	0·4	0·2	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	·4	1·3	1·0	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	3·0	3
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7	3
Sums	1·3	0·7	0·8	2·3	1·0	0·9	0·5	1·6	2·3	2·1	0·4	2·3	2·9	1·4	0·2	0·5	0·2	0·5	0·1	0·1	...	0·4	...	0·4	22·9	29·2	
Total Duration	hr 2·1	hr 1·5	hr 1·6	hr 2·5	hr 2·0	hr 2·6	hr 1·0	hr 1·9	hr 2·4	hr 2·1	hr 1·3	hr 1·1	hr 2·0	hr 1·8	hr 0·4	hr 0·7	hr 0·5	hr 0·3	hr 0·5	hr 0·1	hr ...	hr 0·2	hr ...	hr 0·6	hr 29·2		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

490 KEW OBSERVATORY: H_r = 5·5 metres + 0·53 metres

APRIL, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	·1	·8	·8	·5	·5	·1	·9	·7	·5	·9	...	...	...	...	·6	...	...	...	...	...	...	...	...	6·4	7·8	2
2	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	0·7	1·3	1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·3	2·1	2·5	1·6	?
4	1·3†	·5	·5	·1	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	4·3	5
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	·7†	...	...	...	...	...	...	...	1·3	1·0	10
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	(...)	·1	...	...	...	...	...	0·7	0·5	4
13	...	...	·4	·2	·2	·3	·1	...	·2	...	...	...	...	...	(...)	·1	...	...	...	...	...	...	...	...	...	1·5	3·5	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	·5	·9	2·2	2·0	2·0	3·1	·1	...	...	...	...	...	...	...	...	...	10·8	6·3	4
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·3	·5	·1	·3	·3	·6	1·1	·1	4·9	6·6	3
22	...	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	0·2	0·6	2
24	·6	·4	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·9	3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·2	2
26	2·5	·6	·9	·1	·3	...	...	...	...	...	...	...	...	·1	...	4·5†	...	...	...	...	...	...	...	...	9·0	3·9	111
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	4·4	1·8	3·2	1·3	1·1	1·1	0·2	0·9	1·4	1·4	3·1	2·0	2·0	3·2	0·5	6·4	2·6	0·5	0·2	0·4	0·3	0·6	1·5	2·5	42·6	41·2	
Total Duration	hr 2·9	hr 3·3	hr 4·9	hr 2·1	hr 2·7	hr 2·7	hr 0·2	hr 0·7	hr 2·2	hr 1·4	hr 1·9	hr 1·0	hr 1·0	hr 1·1	hr 0·9	hr 2·6	hr 1·9	hr 0·6	hr 0·7	hr 1·3	hr 0·8	hr 0·8	hr 1·6	hr 1·9	hr 41·2		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

491 KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres

MAY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·2	...	...	...	...	...	...	1·9	1·3	3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·6	...	1·3†	...	...	...	...	...	2·0	0·6	46
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	·1	·6	·9	2·3†	4·2	3·3	9
23	·5	·1	·1	·3	·3	·3	·1	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	4·7	4
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	1·0†	·7	...	...	...	·4	·1	...	...	...	...	...	...	...	2·2	1·7	14
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Sums	0·5	0·1	0·1	0·3	0·3	0·3	0·1	0·9	0·1	...	1·0	0·7	...	...	0·1	0·4	1·4	1·2	1·6	...	0·1	0·6	0·9	2·3	13·0	11·6	
Total Duration	hr 0·9	hr 0·2	hr 0·3	hr 0·9	hr 0·7	hr 0·8	hr 0·2	hr 0·5	hr 0·2	hr ...	hr 0·7	hr 0·3	hr ...	hr ...	hr 0·1	hr 0·6	hr 0·8	hr 0·9	hr 0·7	hr ...	hr 0·2	hr 0·9	hr 0·7	hr 1·0	hr 11·6		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

492 KEW OBSERVATORY: H_r = 5·5 metres + 0·53 metres

JUNE, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	1·3†	...	...	...	...	1·5	0·8	13
2	...	·7	·6	1·6	·4	...	·9	...	·8	...	...	...	·3	4·3†	·5	...	...	...	...	...	...	...	...	...	10·1	5·8	30
3	·4	·1	...	...	...	2·2†	·3	·4	...	...	·4	·2	...	...	...	...	...	...	...	...	·7	·1	...	...	4·8	2·5	35
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6†	...	·5	·1	...	...	...	2·2	1·2	15
5	...	...	...	...	·9	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·3	2
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	0·4	0·5	3
7	...	...	...	·1	·1	·6	...	·3	1·8†	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·8	3·9	8
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	1·8†	...	·4	...	...	...	...	...	...	·1	...	...	2·3	1·4	7
13	·4	2·0	1·0	·9	1·8	1·2	1·4	1·6	1·3	·3	·4	·1	...	...	...	...	...	...	...	...	...	·1	1·2†	·8	14·5	12·6	7
14	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·2	0·6	...
15	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·0	3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	1·4	·4	...	...	...	·3	1·1	3·0†	6·5	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	13·2	2·9	54
19	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3†	·2	...	...	...	...	...	...	1·7	1·0	...	8·2	1·0	129
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	5·4†	1·0	...	...	7·1	1·8	10
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·5	2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0†	2·0	0·7	6
26	1·0	...	...	...	·7	...	...	...	1·4†	·7	·8	·1	·1	...	...	...	...	...	...	...	...	...	...	...	4·8	3·4	21
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	3·4†	5·0	·5	...	...	...	...	9·2	2·3	34
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·8	1·0†	·1	2·1	2·3	7
Sums	3·2	4·4	2·0	2·6	3·9	4·9	2·9	3·4	8·4	8·6	2·1	0·4	2·2	9·6	1·1	0·2	...	5·3	5·1	3·0	6·4	3·8	3·2	3·0	89·7	46·5	
Total Duration	hr 2·4	hr 2·6	hr 2·1	hr 2·3	hr 3·2	hr 2·6	hr 2·0	hr 2·2	hr 3·7	hr 3·7	hr 2·3	hr 0·7	hr 1·3	hr 1·1	hr 0·8	hr 0·2	hr ...	hr 1·1	hr 1·1	hr 2·2	hr 2·0	hr 2·0	hr 2·6	hr 2·3	hr 46·5		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

493 KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres

JULY, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·1	≯ 2
2	...	·3	·5	1·1†	...	...	·1	·3	·1	(...)	·1	...	...	...	...	...	...	...	·3†	...	...	...	...	...	2·8	2·7	7
3	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	·1	0·8	1·1	2
4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2†	...	...	...	...	...	...	...	...	0·2	0·2	6
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	·3	3·2†	2·1	2·2	1·7	1·3	1·3	1·4	·4	·2	...	...	...	...	...	...	14·1	8·9	35
10	...	...	...	...	...	...	...	...	...	·7†	·3	·9	...	...	...	...	...	...	...	(...)	·1	...	·1	...	2·1	2·6	6
11	...	...	...	·1	...	...	...	...	...	...	...	...	...	1·9†	...	·7	·2	...	...	...	...	·1	...	...	3·0	1·7	38
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	1·1	·4	...	...	...	...	2·9	1·0†	...	5·4	2·7	9
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	·3	0·8	1·6	2
15	·7	1·0	5·2	2·6	·2	(...)	...	2·4†	(...)	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	12·2	5·7	17
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	·1	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4	2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	·1	0·1	0·2	...
19	·3	·6	·8	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	2·3†	·5	...	...	...	...	...	4·5	2·0	51
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	0·2	0·1	2
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	0·3	0·3	1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	·6	2·8†	·8	·1	·1	(...)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	4·5	2·7	9
24	...	...	...	...	...	...	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8†	·2	...	...	...	...	...	...	...	1·0	0·7	15
26	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·2	...	...	...	...	...	...	...	0·3	0·5	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	·2	...	...	...	...	...	...	...	...	...	...	2·1†	·1	...	...	·1	...	·2	...	...	...	...	...	2·7	2·0	27
29	...	...	...	...	...	...	...	...	·5	·2	...	...	·3†	...	...	...	...	...	...	...	...	...	...	...	1·0	0·9	8
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	(...)	·4†	·4	·4	1·2	·5	·3	...	...	...	...	...	...	...	...	...	...	·1	2·9	3·2	9
Sums	1·6	2·2	6·5	3·8	0·8	2·8	1·4	3·2	1·4	4·1	3·8	3·6	4·4	3·4	1·3	4·6	1·8	2·5	1·0	...	0·2	3·4	1·2	0·7	59·7	40·6	
Total Duration	hr 2·2	hr 2·2	hr 1·8	hr 2·2	hr 1·2	hr 1·1	hr 1·0	hr 1·8	hr 1·9	hr 2·1	hr 2·6	hr 2·7	hr 2·3	hr 1·6	hr 1·1	hr 3·4	hr 3·3	hr 1·1	hr 0·6	hr 0·3	hr 0·4	hr 1·4	hr 1·0	hr 1·3	hr 40·6		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

494 KEW OBSERVATORY: H_r = 5·5 metres + 0·53 metres

AUGUST, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	·2	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	0·6	0·8	1
2	...	...	...	...	...	...	...	...	...	...	2·3†	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·4	0·8	16
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	(...)	·1	...	...	...	·3	...	...	...	...	...	...	·4	...	·3	·2	·3	1·1†	...	...	...	...	·1	2·8	2·9	22
7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	0·7	0·4	4
11	·7	1·0	1·5†	·2	·3	·5	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·8	6·8	6
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5†	...	...	·2	·1	...	...	...	...	0·8	1·0	5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	0·8	1·0	1·6	0·2	0·3	0·5	0·8	0·1	0·2	...	2·3	...	0·2	0·6	...	0·8	0·2	0·3	1·3	0·1	...	...	...	0·9	12·2	12·9	
Total Duration	hr 0·7	hr 1·1	hr 1·2	hr 0·9	hr 1·0	hr 1·0	hr 1·5	hr 0·4	hr 0·2	hr ...	hr 0·6	hr ...	hr 0·3	hr 0·9	hr ...	hr 0·9	hr 0·3	hr 0·1	hr 0·5	hr 0·2	hr ...	hr ...	hr ...	hr 1·1	hr 12·9		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

495 KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres

SEPTEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	0·4	0·2	4
4	...	...	...	...	...	...	...	1·1	3·1†	...	·3	·1	...	...	·2	·1	...	...	...	...	...	...	...	...	4·9	2·5	19
5	...	·2	2·0	1·9	·5	...	...	...	...	...	·9	...	5·2	6·4†	1·1	·5	·3	·1	...	...	...	...	...	...	19·1	4·2	>160
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	·1	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5	2
8	...	...	...	...	...	...	1·0	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·9	3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·3	...
10	...	...	...	...	1·1	2·6	2·3†	1·7	2·6	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·5	4·8	9
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·3	·4	...	...	3·9†	...	·1	...	...	...	·1	5·0	1·5	73
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0†	·4	...	...	...	...	...	...	...	2·4	0·9	17
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·3	...
17	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·7	2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	4·9†	(...)	...	...	1·0	4·3	2·9	15·7	4·0	40
21	4·4†	·3	...	...	...	...	...	...	...	...	...	·2	...	·2	...	...	...	...	...	...	...	...	...	(≡‡)	5·1	1·6	26
22	(≡‡)	(·1)	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡‡)	(≡‡)	0·1	...	...
23	(≡‡)	(·1)	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	·1	...	...	...	·1	·5	·3	·1	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	3·4	1
27	...	...	...	...	...	...	...	...	...	·1	·2	...	·2	·1	2·5†	...	·3	...	...	...	...	...	...	...	3·4	1·9	27
28	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2†	...	...	...	...	...	...	...	...	...	...	0·3	0·3	5
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	5·2	0·8	2·0	2·0	1·6	3·0	3·8	3·1	5·9	0·6	1·7	0·4	5·5	7·2	4·2	3·0	3·6	8·9	...	0·1	...	1·0	4·3	3·4	71·3	28·0	
Total Duration	hr 1·6	hr 1·0	hr 1·0	hr 1·1	hr 1·0	hr 1·8	hr 2·4	hr 2·7	hr 2·4	hr 0·8	hr 1·7	hr 0·4	hr 1·0	hr 1·1	hr 1·1	hr 1·3	hr 0·9	hr 1·4	hr 0·1	hr 0·1	hr ...	hr 0·4	hr 1·0	hr 1·7	hr 28·0		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

496 KEW OBSERVATORY: H_r = 5·5 metres + 0·53 metres

OCTOBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	0·1	0·2	3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	·1	·1	·3	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·9	1
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	·1†	0·5	0·4	5
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	·1	·5†	·1	...	...	...	...	...	...	...	·5	·1	...	...	...	...	...	1·3	1·4	13
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	·7	1·6	2·3	3
24	·2	·1	·5	·3	(≡‡)	(·1)	(≡‡)	(≡‡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·8	2
25	...	...	...	·1	·7	2·4	3·5	1·1	...	...	...	...	...	...	...	1·6†	...	...	...	...	...	...	...	...	9·4	4·1	29
26	...	...	...	...	...	...	...	·2	1·5	2·1	·9	...	...	...	...	...	...	...	·2	·1	...	...	...	...	5·0	3·7	3
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·9†	·1	...	...	...	...	4·0	0·7	68
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	0·2	0·2	1
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	0·3	0·2	4
31	...	...	·1	·4	·1	·4	3·1†	·4	·9	1·7	3·3	3·7	3·1	1·1	·2	·7	·1	1·6	...	...	...	...	...	...	20·9	13·0	18
Sums	0·2	0·1	0·6	0·8	0·8	2·9	6·6	1·9	3·0	4·2	4·7	3·7	3·1	1·1	0·3	2·3	0·3	2·4	4·2	0·2	...	0·6	0·7	0·8	45·5	30·9	
Total Duration	hr 0·8	hr 0·5	hr 1·1	hr 1·7	hr 1·1	hr 2·0	hr 2·1	hr 2·8	hr 2·5	hr 2·6	hr 2·3	hr 1·0	hr 1·0	hr 0·9	hr 0·8	hr 1·4	hr 0·4	hr 1·9	hr 0·9	hr 0·4	hr ...	hr 0·6	hr 1·0	hr 1·1	hr 30·9		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time

497 KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres

NOVEMBER, 1936

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Duration 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	(...)	·1	·1	0·7	1·3	3
2	·3	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	2·2	...
3	...	...	...	...	...	...	...	·2	1·2	·4	1·1	1·4	1·1	·4	...	·3	1·0	·5	·3	...	...	...	...	...	7·9	9·3	4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	1·4	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·7	4
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·6	·7	...	...	...	...	1·8	2·4	3
7	...	...	·4	...	·4	...	1·8	·3	...	...	...	...	...	1·1†	·1	...	...	...	...	...	...	...	...	...	4·1	2·2	12
8	...	(...)	·3	·9	(·1)	·1	...	...	...	...	...	...	...	...	...	·6†	...	...	...	...	...	...	...	...	2·0	2·5	16
9	·2	1·1†	...	·1	1·7	·5	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·4	3·4	7
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·2	·4	...	2·8†	3·5	1·4	·9	·3	...	...	·5	11·1	6·1	20
12	·1	1·4†	·2	·8	2·9	·4	·5	·4	1·8	1·8	·4	·2	·2	...	...	...	...	·7	1·2	·9	·5	...	...	...	14·4	9·1	9
13	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5	...
14	...	...	...	...	...	...	...	·1	·2	2·6†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	0·9	33
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	0·2	0·4	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·7	·9	1·0	·5	·4	·4	4·2	5·0	6
17	2·9	1·4	·1	·8	·8	·3	...	...	...	...	(...)	·1	...	...	...	·1	...	·2	·2	2·7†	...	...	...	...	9·8	5·9	37
18	...	...	...	...	...	...	...	...	...	(...)	(·1)	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·2	0·4	1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	(·1)	0·1	...	...
26	·1	(·1)	·1	(...)	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	(≡)	(≡)	(≡)	(·1)	(≡)	(≡)	...	...	...	·2	·6†	·1	·2	·5	1·4	·3	...	...	...	...	3·4	4·6	7
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	3·6	4·1	1·2	2·7	6·0	1·3	4·1	1·1	4·6	5·1	1·8	1·7	1·4	3·0	1·1	1·3	4·0	6·2	5·8	6·9	1·8	0·5	0·5	1·1	70·9	58·2	
Total Duration	hr 2·5	hr 3·2	hr 1·6	hr 2·2	hr 3·7	hr 1·8	hr 2·5	hr 1·0	hr 2·9	hr 3·4	hr 2·1	hr 1·6	hr 1·6	hr 3·0	hr 1·0	hr 1·8	hr 2·9	hr 5·0	hr 5·1	hr 4·7	hr 1·5	hr 0·7	hr 1·7	hr 0·7	hr 58·2		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

498 KEW OBSERVATORY: H_r = 5·5 metres + 0·53 metres

DECEMBER, 1936

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	·1	·6†	1·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	2·1	8
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	·2	·1	·2	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	1·4	3
6	...	·4	...	...	...	...	(...)	·3	...	1·6†	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	2·7	1·6	16
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	(...)	·3	...	·5	...	·3	·8	1·1†	·3	·4	·3	·4	(≡)	(≡)	(·1)	(≡)	(≡)	(≡)	4·5	6·8	7
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·7	·7	·4	·4	·1	...	...	2·6	4·7	3
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·2	...
14	·3	·1	·1	·5	·5	...	...	·1	...	·1	·1	·3	·1	·3	·6	·5	·5	·5	·9	1·0	·8	2·8	·5	2·1†	12·7	12·9	37
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	·4	·4	...	...	·2	...	·2	...	·2	...	...	...	...	...	...	...	1·4	1·5	2
17	...	...	...	...	...	...	...	...	...	·6	·1	...	·2	·5†	...	...	...	...	·4	·4	(...)	...	...	...	2·2	2·9	7
18	...	...	...	...	·1	·3	(...)	...	...	·3	...	...	...	...	·5	1·1†	·2	·1	...	...	...	...	...	...	2·6	3·3	5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4†	·1	·1	·5	...	...	1·1	1·2	9
23	...	(␣)	(␣)	(␣)	·1	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	(·1)	·1	(...)	(...)	·1	(...)	(·1)	·1	·1	(...)	·1	...	...	...	(...)	·1	...	...	...	...	0·8	4·7	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	0·4	1·8	...
29	...	...	...	·4	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	...	...	...	1·0	0·9	9
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·5	...
Sums	0·3	0·5	0·1	0·9	0·8	0·5	0·8	2·1	0·7	3·6	0·5	0·9	1·4	1·9	1·8	2·2	1·6	1·7	2·4	2·0	2·0	3·4	0·5	2·4	35·0	46·5	
Total Duration	hr 0·4	hr 0·7	hr 0·4	hr 1·3	hr 0·9	hr 1·6	hr 1·5	hr 2·8	hr 1·6	hr 3·3	hr 1·3	hr 2·0	hr 2·8	hr 2·2	hr 3·3	hr 3·5	hr 2·9	hr 2·8	hr 2·8	hr 2·7	hr 2·2	hr 1·5	hr 0·6	hr 1·4	hr 46·5		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

† Hour of occurrence of the maximum rate of fall (5 mm/hr or more)

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

499 KEW OBSERVATORY: H_s (height of recorder above ground) = 13·3 metres — JANUARY, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam: *Total for day	†Rate near Noon	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	--	--	--	--	--	...	...	...	...	...	...	...	.....	--	--	--	--	--	...	...	...	...	...	...
2	--	--	--	--	--	...	...	...	...	·2	...	...	...	--	--	--	--	--	0·2	3	20	...	...	...
3	--	--	--	--	--	...	...	...	...	·2	·2	...	...	--	--	--	--	--	0·4	5	80	...	...	...
4	--	--	--	--	--	...	·2	·5	·1	·1	...	...	...	--	--	--	--	--	0·9	11	80	...	...	...
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
6	--	--	--	--	--	...	...	...	...	·4	·5	...	...	--	--	--	--	--	0·9	11	90	...	...	...
7	--	--	--	--	--	...	...	...	...	...	...	·7	...	--	--	--	--	--	0·7	9	90	...	...	...
8	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
10	--	--	--	--	--	...	...	·1	·5	·6	·5	·1	...	--	--	--	--	--	1·8	22	150	...	...	...
11	--	--	--	--	--	...	·2	...	·1	...	·1	...	...	--	--	--	--	--	0·4	5	10	...	...	...
12	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	10	...	...	...
17	--	--	--	--	...	...	...	...	...	·3	·8	·9	...	...	--	--	--	--	2·0	24	340	...	...	...
18	--	--	--	--	...	...	...	...	·4	·9	·9	·2	...	...	--	--	--	--	2·4	29	240	...	...	...
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
20	--	--	--	--	...	·1	·4	...	·1	·4	·4	...	·1	...	--	--	--	--	1·5	18	130	...	...	...
21	--	--	--	--	...	·1	·9	1·0	1·0	1·0	1·0	1·0	·1	...	--	--	--	--	6·1	72	930	58	3·15	Clear
22	--	--	--	--	...	...	·6	...	...	...	...	...	...	...	--	--	--	--	0·6	7	90	...	...	...
23	--	--	--	--	...	·7	1·0	·8	·1	...	...	·4	·2	...	--	--	--	--	3·2	37	320	...	...	...
24	--	--	--	--	...	...	...	...	·2	·5	...	...	...	...	--	--	--	--	0·7	8	100	...	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
26	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·3	...	...	...	--	--	--	--	5·1	58	750	...	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	20	...	...	...
28	--	--	--	--	...	...	...	·5	...	·5	...	·1	...	...	--	--	--	--	1·1	12	80	...	...	...
29	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1	0	...	...	...
30	--	--	--	--	...	·2	·7	·1	·2	·1	·2	...	...	...	--	--	--	--	1·5	17	170	...	...	...
31	--	--	--	--	...	...	...	...	...	...	...	·1	...	...	--	--	--	--	0·1	1	10	...	...	...
Sum	--	--	--	--	...	1·9	5·1	4·0	3·7	6·2	4·9	3·5	0·4	...	--	--	--	--	0·97	--	3710	--	--	--
Mean	--	--	--	--	...	·06	·16	·13	·12	·20	·16	·11	·01	...	--	--	--	--	0·96	12	120	--	--	--

500 KEW OBSERVATORY: h_s = 13·3 metres — FEBRUARY, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	--	--	--	--	...	·1	·3	·1	·1	...	·2	...	...	...	--	--	--	--	0·8	9	40	...	...	...
2	--	--	--	--	...	...	·1	·3	·3	·2	...	...	...	...	--	--	--	--	0·9	10	60	...	...	...
3	--	--	--	--	...	·9	1·0	·6	·1	·1	·6	·7	·1	...	--	--	--	--	4·1	45	610	...	...	...
4	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	--	7·0	76	890	25	2·68	Hazy
5	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	20	...	...	...
6	--	--	--	--	...	·4	1·0	1·0	1·0	·9	·6	...	·3	...	--	--	--	--	5·2	56	690	...	...	...
7	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·1	...	--	--	--	--	6·8	73	930	55	2·59	Hazy
8	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	--	7·0	74	690	51	2·53	Hazy
9	--	--	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·1	...	--	--	--	--	6·6	69	590	...	...	...
10	--	--	--	--	...	...	...	·9	·7	1·0	·6	...	...	...	--	--	--	--	3·2	33	530	...	...	...
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	20	...	...	...
12	--	--	--	--	...	...	...	...	·9	1·0	1·0	·7	...	...	--	--	--	--	3·6	37	370	17	2·41	Fog
13	--	--	--	--	...	...	...	·7	·9	·5	...	·2	...	...	--	--	--	--	2·3	24	330	...	...	...
14	--	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	·3	...	...	--	--	--	--	5·6	57	540	30	2·34	Hazy
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
16	--	--	--	--	...	...	...	...	·6	1·0	·6	...	...	...	--	--	--	--	2·2	22	170	...	...	...
17	--	--	--	--	...	...	...	·1	·4	·1	·4	·2	...	...	--	--	--	--	1·2	12	60	...	...	...
18	--	--	--	--	...	...	...	·1	...	·2	·2	·4	·4	·2	--	--	--	--	1·5	14	40	...	...	...
19	--	--	--	...	...	...	...	...	...	...	...	...	·1	·5	...	--	--	--	0·6	6	10	...	...	...
20	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	·1	...	--	--	--	7·9	78	1510	79	2·17	Clear
21	--	--	--	...	...	...	...	...	...	·1	...	...	·1	...	...	--	--	--	0·2	2	20	...	...	...
22	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...
23	--	--	--	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	--	0·1	1	10	...	...	...
24	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	10	...	...	...
25	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	10	...	...	...
26	--	--	--	...	...	...	...	...	...	·3	·4	...	...	...	...	--	--	--	0·7	7	100	...	...	...
27	--	--	--	...	...	·3	...	...	·7	·9	·9	·8	·6	·3	...	--	--	--	4·5	42	1080	...	...	...
28	--	--	--	...	...	...	...	...	·2	·9	·9	·3	·3	...	...	--	--	--	2·6	24	260	...	...	...
29	--	--	--	...	...	...	·2	...	...	...	...	...	...	...	...	--	--	--	0·2	2	10	...	...	...
Sum	--	--	--	...	0·2	5·1	8·6	9·8	11·9	13·2	12·5	8·4	4·0	1·1	...	--	--	--	74·8	--	9600	--	--	--
Mean	--	--	--	...	·01	·18	·30	·34	·41	·46	·4	·29	·14	·04	...	--	--	--	2·58	26	330	--	--	--

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam: *Total for day	†Rate near Noon	Sec Z	Sky

* Gorczynski Pyrheliograph † Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

501 KEW OBSERVATORY: h_s (height of recorder above ground) = 13·3 metres — MARCH, 1936

Day	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mm/cm²		
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	30	...	...	...
2	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	10	...	...	...
4	—	—	—	...	...	...	...	...	...	...	...	...	·5	...	...	—	—	—	0·5	5	40	...	...	...
5	—	—	—	...	...	·3	·8	·9	·8	·8	·9	·9	·5	·3	...	—	—	—	6·2	56	1120	...	...	...
6	—	—	—	...	·7	·8	·6	·7	1·0	·4	·1	·3	...	...	...	—	—	—	4·6	41	490	71	1·86	Clear
7	—	—	—	...	...	...	...	...	...	...	·1	...	...	...	...	—	—	—	0·1	1	110	...	...	...
8	—	—	—	...	...	...	...	...	...	...	·1	·2	·1	...	...	—	—	—	0·4	4	40	...	...	...
9	—	—	—	...	·1	...	...	...	...	...	...	...	...	...	...	—	—	—	0·1	1	30	...	...	...
10	—	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	—	—	—	0·1	1	200	...	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
13	—	—	—	...	...	...	...	...	...	...	...	·2	·2	...	...	—	—	—	0·4	3	10	...	...	...
14	—	—	—	...	...	...	...	...	·7	·7	·6	·4	...	...	...	—	—	—	2·4	20	290	...	...	...
15	—	—	—	...	...	...	...	...	...	...	...	·2	...	...	...	—	—	—	0·2	2	60	...	...	...
16	—	—	—	...	...	...	...	·1	·9	·9	·6	·7	·7	...	...	—	—	—	3·9	33	620	...	...	...
17	—	—	—	...	...	...	...	·5	·7	1·0	1·0	1·0	1·0	·3	...	—	—	—	5·5	46	760	...	...	...
18	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	8·7	73	1580	...	...	...
19	—	—	—	...	·4	1·0	·7	·5	·8	1·0	·6	...	...	...	...	—	—	—	5·0	42	800	...	...	...
20	—	—	—	...	...	...	·3	·3	...	...	·1	...	...	...	...	—	—	—	0·7	6	20	...	...	...
21	—	—	—	...	...	·5	·8	1·0	1·0	1·0	·1	·7	...	...	·1	...	—	—	5·2	43	950	...	...	...
22	—	—	...	...	...	·7	·1	·4	·9	·9	·3	...	...	...	...	...	—	—	3·3	27	510	...	...	...
23	—	—	...	...	·1	...	...	...	...	...	...	·1	·1	·2	·2	...	—	—	0·7	66	120	...	...	...
24	—	—	...	...	1·0	1·0	1·0	·9	·9	·8	·6	·9	·8	1·0	·4	...	—	—	9·3	75	1690	...	...	...
25	—	—	...	...	...	...	...	·6	·8	·9	·9	·6	·5	...	...	...	—	—	4·3	35	640	...	...	...
26	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	—	—	0·1	1	10	...	...	...
27	—	—	...	...	...	...	...	·3	·7	·1	·6	·1	·7	·4	·3	...	—	—	3·2	25	310	...	...	...
28	—	—	...	·5	·3	·5	·7	·8	·9	·7	·3	·2	·5	·1	...	...	—	—	5·5	44	670	...	...	...
29	—	—	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	0·1	1	10	...	...	...
30	—	—	...	·6	1·0	·3	·8	·4	·3	·2	...	...	·3	...	...	...	—	—	3·9	31	410	...	...	...
31	—	—	...	...	·2	·2	...	...	...	·5	·7	·5	·6	·9	·3	...	—	—	3·9	30	460	...	...	...
Sum	—	—	...	1·1	3·8	6·1	6·8	8·4	11·5	10·9	8·7	8·0	7·6	4·1	1·3	...	—	—	78·3	-	11990	—	—	—
Mean	—	—	...	·04	·12	·20	·22	·27	·37	·35	·28	·26	·25	·13	·04	...	—	—	2·53	21	390	—	—	—

502 KEW OBSERVATORY: h_s = 13·3 metres — APRIL, 1936

Day	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mm/cm²		
1	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	10	...	...	...
2	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
3	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
4	—	—	...	...	...	...	...	...	...	...	·1	·3	·8	·8	·6	...	—	—	2·6	21	360	...	...	...
5	—	—	...	·7	·5	·2	...	...	...	...	...	...	...	...	...	...	—	—	1·4	11	130	...	...	...
6	—	—	...	...	...	...	...	...	2	...	...	...	·1	·2	·1	...	—	—	0·6	5	40	...	...	...
7	—	—	...	...	·1	·4	...	·1	·9	·7	·5	·2	·2	·5	·3	...	—	—	3·9	29	300	...	...	...
8	—	—	...	...	...	...	...	...	...	...	·2	·6	·8	·1	...	...	—	—	1·7	13	130	...	...	...
9	—	—	...	...	...	...	...	...	...	...	...	1·0	1·0	1·0	·2	...	—	—	3·2	24	470	...	...	...
10	—	—	...	...	·5	·6	·7	·2	·6	·7	1·0	1·0	·8	·1	...	...	—	—	6·2	46	720	...	...	...
11	—	—	...	...	·1	·5	·4	·5	·3	·8	·6	·6	·4	·5	·1	...	—	—	4·8	35	770	...	...	...
12	—	—	...	...	...	...	·8	·7	·6	·6	·3	·3	...	·5	...	...	—	—	3·8	28	460	...	...	...
13	—	—	...	...	...	...	...	...	...	...	...	...	...	·4	·5	...	—	—	0·9	7	150	...	...	...
14	—	—	...	·3	1·0	1·0	·7	·4	...	·1	·1	...	...	...	...	...	—	—	3·6	26	430	...	...	...
15	—	—	...	...	·2	·1	·4	·6	·5	·8	·9	·3	...	·4	...	...	—	—	4·2	30	430	...	...	...
16	—	—	...	...	·6	·7	·1	...	...	...	...	·1	·7	·6	·2	...	—	—	3·0	22	400	...	...	...
17	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·9	·9	·1	...	—	—	10·2	73	1680	...	...	...
18	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·5	—	—	12·0	86	2640	79	1·32	Clear
19	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·9	·8	1·0	·7	·5	...	—	—	10·5	75	2100	...	...	...
20	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	·3	...	...	—	0·4	3	50	...	...	...
21	—	...	...	...	...	·4	·5	...	...	...	...	...	...	...	...	...	...	—	0·9	6	110	...	...	...
22	—	...	...	·1	1·0	1·0	·8	·7	·5	·9	·4	·5	·9	...	·3	...	...	—	7·1	50	1510	...	...	...
23	—	...	...	·8	1·0	1·0	1·0	1·0	·2	·6	...	...	...	...	...	...	...	—	5·6	39	1280	...	...	...
24	—	...	...	·2	·4	·1	·9	·3	·8	1·0	1·0	1·0	1·0	1·0	·8	...	...	—	8·5	59	1700	...	...	...
25	—	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	...	...	—	0·6	4	80	...	...	...
26	—	...	...	·8	1·0	·7	1·0	·9	·7	·1	·3	·6	·1	·5	·6	·3	...	—	7·6	53	1080	...	...	...
27	—	...	·6	1·0	1·0	1·0	·7	·6	·2	...	·6	·2	·8	1·0	1·0	...	...	—	8·7	60	1400	...	...	...
28	—	...	·1	1·0	1·0	1·0	·9	1·0	·6	·8	1·0	1·0	1·0	·9	·3	...	...	—	10·6	73	1500	...	...	...
29	—	...	...	·8	...	...	...	...	·1	·3	...	·1	·2	·9	·7	...	...	—	3·1	21	360	...	...	...
30	—	...	...	...	·1	·9	·8	...	...	·2	·8	·8	·6	·8	·8	·1	...	—	5·9	40	720	...	...	...
Sum	—	...	0·7	7·7	11·5	12·6	12·7	10·0	9·2	10·7	11·1	11·1	12·4	12·8	8·2	0·9	...	—	131·6	-	20960	—	—	—
Mean	—	...	·02	·26	·38	·42	·42	·33	·31	·36	·37	·37	·41	·43	·27	·03	...	—	4·39	32	700	—	—	—
Day	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky

SOLAR RADIATION Received on surface perpendicular to solar beam

* Gorczynski Pyrheliograph † Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

503 **KEW OBSERVATORY:** h_S (height of recorder above ground) = 13·3 metres — **MAY, 1936**

Hour L. A. T.	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam: *Total for Day	†Rate near Noon	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	—	...	...	...	...	·6	·5	...	...	...	·4	·1	·3	·5	·2	...	...	—	2·6	18	180	...	...	...
2	—	...	...	...	...	·1	·1	...	...	·4	·5	·6	·6	·7	1·0	·1	...	—	4·1	28	360	...	...	...
3	—	...	...	...	...	...	...	·3	1·0	1·0	1·0	·9	·7	·5	...	...	...	—	5·4	36	480	...	...	...
4	—	...	...	...	·1	·4	·8	·3	·1	1·0	1·0	1·0	1·0	1·0	·9	·2	...	—	7·8	52	940	...	...	...
5	—	...	...	...	...	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	...	—	7·5	50	1060	...	...	...
6	—	...	...	·3	·1	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	10·2	68	1490	...	...	...
7	—	...	...	...	...	·5	·8	·7	·7	·6	·5	·9	··9	1·0	1·0	·4	...	—	8·0	53	790	...	...	...
8	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
9	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	10	...	...	...
10	—	...	...	...	...	...	...	...	...	·3	·1	·1	·3	·3	·6	·3	...	—	2·0	13	170	...	...	...
11	—	...	·2	...	...	·8	1·0	1·0	1·0	1·0	·9	·5	·7	·8	·8	·7	...	—	9·4	61	1560	79	1·20	Hazy
12	—	...	...	...	...	...	...	...	...	·6	·2	...	...	...	...	...	...	—	0·8	5	130	...	...	...
13	—	...	...	...	...	...	·8	1·0	1·0	1·0	1·0	·7	·8	...	...	...	...	—	6·3	41	870	...	...	...
14	—	...	...	·7	·1	·2	·9	1·0	·9	·8	·8	·3	·7	·7	·9	·9	...	—	8·9	57	1760	...	...	...
15	—	...	...	·6	·3	·3	·4	1·0	·9	1·0	·9	1·0	·9	·9	·4	...	...	—	8·6	55	1020	...	...	...
16	—	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·9	1·0	·5	...	—	12·4	80	1910	...	...	...
17	—	...	...	...	...	...	·7	·8	·9	·9	·7	·2	...	...	...	...	...	—	4·2	27	510	...	...	...
18	—	...	·2	·9	1·0	1·0	·8	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	12·9	82	1920	...	...	...
19	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	14·2	90	2850	...	...	...
20	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·4	...	...	·4	·4	...	—	9·6	61	2180	...	...	...
21	—	·1	1·0	1·0	1·0	·8	·1	·6	·5	·6	·6	·6	·7	·6	·4	·7	...	—	9·3	59	1020	...	...	...
22	—	·4	·3	·9	·9	·9	·9	·7	·9	·8	·4	·1	...	...	...	...	...	—	7·2	45	1040	...	...	...
23	—	...	...	...	...	...	...	...	...	...	...	...	...	·4	·7	·9	·1	—	2·1	13	260	...	...	...
24	—	...	...	...	·9	·9	·9	·9	·5	·1	...	·1	·3	·4	·7	·1	...	—	5·8	36	980	...	...	...
25	—	...	...	·1	1·0	1·0	1·0	1·0	·9	·7	·2	·2	...	...	...	...	...	—	6·1	38	1150	...	...	...
26	—	...	...	...	...	·1	...	·3	1·0	·9	·2	1·0	1·0	1·0	1·0	1·0	·1	—	7·6	47	1330	...	...	...
27	—	...	...	...	...	...	...	...	...	...	·1	·5	·9	·6	·9	·8	·2	—	4·0	25	450	...	...	...
28	—	...	...	...	...	...	...	·2	...	...	...	...	·1	...	...	...	...	...	0·3	19	20	...	...	...
29	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	·1	·1	·1	...	...	...	...	8·1	50	1490	...	...	...
30	...	...	...	...	...	...	...	...	·1	·2	·6	...	·4	·2	·3	·1	...	...	1·9	12	120	...	...	...
31	...	·3	1·0	1·0	1·0	1·0	1·0	·9	·8	·9	1·0	·5	·7	·5	·6	·1	...	...	11·3	70	2000	...	...	...
Sum	...	0·8	5·4	9·5	10·4	12·8	15·7	17·3	18·2	19·8	16·9	14·7	15·9	15·1	15·5	9·8	0·8	...	198·6	—	30050	—	—	—
Mean	...	·03	·17	·31	·34	·41	·51	·56	·59	·64	·55	·47	·51	·49	·50	·32	·03	...	6·41	41	970	—	—	—

504 **KEW OBSERVATORY:** h_S = 13·3 metres — **JUNE, 1936**

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	...	...	...	·6	1·0	1·0	·8	·4	·9	·8	·5	·6	·1	...	...	...	...	...	0·7	41	960	...	...	...
2	...	...	...	...	...	·2	...	...	...	...	...	·1	·6	1·0	1·0	·9	·5	...	4·3	26	770	...	...	...
3	...	...	·2	...	·1	·6	·8	·3	·5	·7	·4	·4	·1	·9	·5	...	...	...	5·5	34	750	...	...	...
4	...	...	...	...	...	...	...	...	·2	·3	·7	·5	·5	·1	...	...	...	...	2·3	14	280	...	...	...
5	...	...	...	...	...	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	7·9	48	1520	...	...	...
6	...	...	...	·8	·9	1·0	·9	·4	·2	...	...	...	...	...	...	...	...	...	4·2	26	700	...	...	...
7	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	·2	·5	·1	...	1·0	6	100	...	...	...
8	...	·1	1·0	1·0	1·0	1·0	1·0	·9	·9	·8	1·0	1·0	·8	·1	·3	...	...	...	10·9	66	2200	...	...	...
9	...	...	...	·9	1·0	1·0	1·0	·8	·6	·8	·8	·7	·9	·9	1·0	1·0	·4	...	11·8	72	1550	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	·3	·2	·2	...	...	...	...	...	...	...	...	...	...	0·7	4	60	...	...	...
12	...	...	...	...	·1	...	...	·1	·1	...	·1	...	...	...	...	...	...	...	0·4	2	70	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	0·2	1	30	...	...	...
14	...	...	...	...	·6	1·0	1·0	·9	·2	...	...	...	...	·1	...	...	...	...	3·8	23	470	...	...	...
15	...	·5	·6	·9	1·0	·2	·1	·2	·6	·3	·7	·7	·9	··9	·8	·6	·2	...	9·2	56	1150	...	...	...
16	...	...	...	·7	·9	·8	·9	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	13·0	79	2740	...	...	...
17	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	14·4	87	3460	...	...	...
18	...	...	...	...	...	...	...	...	·1	·1	·1	...	·3	·8	·3	·2	...	...	1·9	11	270	...	...	...
19	...	...	··3	1·0	1·0	1·0	·3	...	...	·3	...	·4	1·0	1·0	1·0	·5	...	...	7·8	47	1010	...	...	...
20	...	...	·1	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	·1	...	12·8	77	2060	...	...	...
21	...	...	·4	·7	1·0	·7	·9	·5	·4	·3	·9	·2	...	...	...	...	...	...	6·0	36	1080	...	...	...
22	...	...	...	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	12·9	78	2770	...	...	...
23	...	...	·4	·3	·1	·8	1·0	1·0	·9	·9	1·0	1·0	1·0	1·0	·9	·4	·3	...	11·0	66	2040	...	...	...
24	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	1·0	1·0	1·0	·8	1·0	1·0	·9	...	14·3	86	2180	...	...	...
25	...	...	·7	1·0	1·0	·9	1·0	1·0	·9	·9	1·0	·9	1·0	·9	·2	...	...	...	11·4	69	2360	71	1·14	Hazy
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	...
27	...	...	...	...	·9	·5	1·0	·9	·4	1·0	·7	·2	·9	·5	·2	...	...	...	7·2	44	920	...	...	...
28	...	...	...	...	·1	1·0	·3	·7	·5	·7	...	1·0	·9	...	·1	...	...	...	5·3	32	730	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	·1	·5	·8	·3	·1	...	...	...	·2	·4	·1	...	·1	·2	...	...	...	2·8	17	350	...	...	...
Sum	...	0·8	5·9	11·9	14·7	16·1	15·2	13·3	12·9	13·7	14·3	13·7	15·1	14·1	12·7	10·2	5·1	...	189·7	—	32590	—	—	—
Mean	...	·03	·20	·40	·49	·54	·51	·44	·43	·46	·48	·46	·50	·47	·42	·34	·17	...	6·32	38	1090	—	—	—

Hour L. A. T.	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Total for Day	Per cent of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
																					SOLAR RADIATION Received on surface perpendicular to solar beam			

* Gorczynski Pyrheliograph † Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

505 **KEW OBSERVATORY:** h_s (height of recorder above ground) = 13·3 metres — JULY, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam			
																					*Total for Day	†Rate near Noon	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	...	...	...	...	...	...	...	·7	·1	·4	·7	·6	1·0	1·0	1·0	·8	·4	...	6·7	41	1100	...	...	...
2	...	...	...	...	...	...	...	·1	·3	·1	·3	·5	·6	·2	...	...	...	...	2·1	13	300	...	...	...
3	...	...	...	...	...	·1	·4	·4	...	·2	·1	...	·2	...	...	...	...	...	1·4	9	140	...	...	...
4	...	...	·7	1·0	·4	·2	·4	·6	·9	·4	·1	...	...	...	...	...	...	...	4·7	29	690	...	...	...
5	...	...	·1	·2	1·0	·9	·3	...	...	·5	·7	·8	·9	·2	·7	·3	·3	...	6·9	42	970	...	...	...
6	...	...	...	...	...	...	...	...	·1	·1	·1	...	·1	...	·8	·8	·2	...	2·2	13	440	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·5	...	...	...	1·1	7	210	...	...	...
8	...	...	...	1·0	·9	·8	·8	1·0	·5	·7	·3	1·0	·1	·8	·3	...	...	...	7·7	47	1280	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	...
10	...	...	·1	...	...	...	...	...	...	·1	·3	·5	·1	...	...	...	...	...	1·1	7	150	...	...	...
11	...	...	·6	1·0	1·0	·7	·7	·2	...	·2	·1	...	...	...	...	...	...	...	4·5	28	1070	...	...	...
12	...	...	·7	·6	·3	·8	·9	·9	·3	·1	...	...	...	...	...	...	...	...	4·6	28	590	...	...	...
13	...	...	·3	·4	·3	·3	...	·2	·8	·8	·4	·2	·2	1·0	·9	1·0	·5	...	7·3	45	660	...	...	...
14	...	·3	·9	·3	...	...	·7	·7	·5	·7	·7	·7	...	...	...	...	...	...	5·5	34	590	...	...	...
15	...	...	...	...	...	...	·1	...	·1	...	·7	·3	·6	·7	·5	...	...	—	3·0	19	190	...	...	...
16	—	...	·1	·9	·9	·7	1·0	·6	·3	·6	·7	·5	·2	·4	·5	...	...	—	7·4	46	930	...	...	...
17	—	...	...	...	...	·1	·4	·2	·3	·2	...	·6	·1	...	·5	·4	—	2·8	17	280	...	...	...	
18	—	...	·3	...	·1	·6	...	...	·5	·1	·3	·4	1·0	·9	·6	...	...	—	4·8	30	430	...	...	...
19	—	...	·1	·5	·1	·3	...	...	...	·2	·2	·2	·4	...	...	...	...	—	2·0	13	190	...	...	...
20	—	·2	1·0	1·0	1·0	·9	1·0	·6	·5	...	...	...	...	...	·3	...	...	—	6·5	41	1180	...	...	...
21	—	·2	·7	·5	...	...	...	·5	·3	...	...	...	·3	·6	...	...	...	—	3·1	20	490	...	...	...
22	—	...	·6	1·0	1·0	·9	1·0	·7	·9	·3	...	...	...	·1	...	...	...	—	6·5	41	1440	...	...	...
23	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
24	—	...	...	·4	·9	·8	·7	·5	·9	1·0	·9	1·0	1·0	1·0	1·0	1·0	...	—	11·1	70	1580	...	...	...
25	—	·1	1·0	·9	1·0	·9	·3	·1	·7	·5	·8	·4	...	·3	1·0	·5	·4	—	8·9	57	1130	...	...	...
26	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	·3	...	...	...	·1	·2	·1	—	7·1	45	1520	...	...	...
27	—	...	·9	1·0	1·0	1·0	·9	·7	·4	·3	·6	·9	·7	·5	·5	...	...	—	9·4	60	1850	...	...	...
28	—	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	·1	...	—	0·4	3	80	...	...	...
29	—	...	...	...	...	...	...	·1	·4	·3	·1	·6	·3	·3	·4	·2	·1	—	2·8	18	310	...	...	...
30	—	...	...	...	·7	·4	1·0	1·0	·9	·9	1·0	·9	·3	·1	...	...	...	—	7·2	47	1530	71	1·20	Hazy
31	—	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·2	...	...	—	0·7	5	50	...	...	...
Sum	...	1·0	9·1	11·7	11·9	11·3	11·3	11·0	9·8	8·8	9·6	9·5	8·8	8·6	9·3	5·4	2·4	...	139·5	—	21380	—	—	—
Mean	...	·03	·29	·38	·38	·36	·36	·35	·32	·28	·31	·31	·28	·28	·30	·17	·08	...	4·50	28	690	—	—	—

506 **KEW OBSERVATORY:** h_s = 13·3 metres — AUGUST, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	—	...	·1	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	0·2	1	50	...	...	...
2	—	...	...	...	...	...	...	...	...	...	·3	·7	·4	·6	·9	·1	...	—	3·0	20	270	...	...	...
3	—	·2	·1	...	·1	·3	...	·1	·1	·1	·8	·2	...	·4	·5	·8	·2	—	3·9	26	340	...	...	...
4	—	...	·8	·6	...	...	·3	·4	·5	·3	·5	·1	·4	·6	·9	1·0	·1	—	6·5	43	760	...	...	...
5	—	...	...	·1	·3	·1	·1	...	·2	·6	·7	·4	...	·2	·7	·5	...	—	3·9	26	280	...	...	...
6	—	...	...	...	...	·3	·2	...	...	...	...	...	...	...	...	...	...	—	0·5	3	30	...	...	...
7	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
8	—	...	...	...	...	·1	·2	·9	·3	...	...	...	·3	·9	·9	·3	...	—	3·9	26	260	...	...	...
9	—	...	...	...	·9	·1	...	·8	·5	·8	·7	·5	...	·1	...	...	...	—	4·4	29	460	...	...	...
10	—	...	...	...	...	·1	·4	·5	·8	·4	·6	·1	·1	·2	...	...	...	—	3·2	22	380	...	...	...
11	—	...	...	...	...	...	...	...	...	·1	·6	...	...	·8	·5	...	...	—	2·0	13	270	...	...	...
12	—	...	·2	·7	·1	...	...	...	...	...	...	·1	·6	...	·2	...	...	—	1·9	13	330	...	...	...
13	—	...	...	...	·1	...	·2	·5	·1	·5	...	...	1·0	·4	·4	·2	...	—	3·4	23	460	...	...	...
14	—	...	...	...	...	·2	·8	·5	·5	·6	·6	·7	·6	·6	·6	·6	...	—	6·3	43	420	...	...	...
15	—	...	...	...	·6	1·0	1·0	1·0	1·0	·9	·5	·8	1·0	1·0	·9	·5	...	—	10·2	70	1440	...	...	...
16	—	...	...	...	·4	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	·4	·2	...	—	9·8	67	1970	...	...	...
17	—	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	·4	...	—	11·4	79	2540	...	...	...
18	—	...	...	...	...	·1	·3	·2	·5	·9	·8	·9	1·0	·9	·7	·1	...	—	6·4	44	830	...	...	...
19	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	50	...	...	...
20	—	...	...	...	...	...	·1	·5	·9	·3	·4	·8	·8	·4	·6	·6	...	—	5·4	38	370	...	...	...
21	—	...	·2	·4	·2	·1	...	·5	·4	...	·4	·5	·5	·5	...	·2	...	—	3·9	27	280	...	...	...
22	—	...	...	1·0	1·0	1·0	1·0	1·0	·8	·2	·6	·8	·4	1·0	·9	·1	...	—	9·8	69	1760	...	...	...
23	—	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	—	12·3	87	2750	...	...	...
24	—	—	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·5	—	—	12·9	92	2570	69	1·31	Clear
25	—	—	...	·6	·2	1·0	·6	·1	·4	1·0	1·0	1·0	·7	·3	·8	·3	—	—	8·0	57	1150	...	...	...
26	—	—	...	...	...	·1	·1	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	7·8	56	1190	...	...	...
27	—	—	...	·2	·9	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	10·9	79	2130	...	...	...
28	—	—	...	...	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	8·6	62	1230	...	...	...
29	—	—	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	10·8	79	1530	...	...	...
30	—	—	...	·4	·8	1·0	1·0	·7	·6	·8	1·0	·9	1·0	·6	·2	...	—	—	9·0	66	1390	...	...	...
31	—	—	·3	·4	·9	·8	·6	·1	·1	·6	·3	·1	...	...	...	...	—	—	4·2	31	330	...	...	...
Sum	—	0·2	2·2	6·9	9·9	11·9	13·3	15·1	15·8	16·1	17·7	16·6	16·7	17·3	16·4	8·1	0·3	—	184·5		27820	—	—	—
Mean	—	0 01	0·07	0·22	0·32	0·38	0·43	0·49	0·51	0·52	0·57	0·54	0·54	0·56	0·53	0·26	0·01	—	5·95	41	900	—	—	—

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam			
																					*Total for Day	†Rate near Noon	Sec Z	Sky

* Gorczynski Pyrheliograph † Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

507 KEW OBSERVATORY: h_S (height of receorder above ground) = 13·3 metres — SEPTEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam: *Total for Day	†Rate near Noon	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mm/cm²		
1	—	—	...	·8	1·0	·2	...	...	...	...	·2	·7	·2	·4	·2	...	—	—	3·7	27	490	...	...	...
2	—	—	...	·3	·5	·3	·9	·5	·4	·1	·1	·1	...	...	·3	...	—	—	3·5	26	410	...	...	...
3	—	—	...	...	·1	·2	·2	...	·1	·1	·1	...	...	...	...	...	—	—	0·8	6	70	...	...	...
4	—	—	·2	·2	...	...	...	...	·2	·1	...	·1	·4	·2	·7	...	—	—	2·1	16	190	...	...	...
5	—	—	...	...	·3	·7	·4	·5	...	·1	...	·1	...	·5	...	...	—	—	2·6	20	230	...	...	...
6	—	—	...	...	...	·1	·3	·5	...	...	...	...	...	...	...	...	—	—	0·9	7	70	...	...	...
7	—	—	...	...	·3	·7	·8	·9	1·0	1·0	1·0	·9	·7	·8	·4	...	—	—	8·5	65	700	...	...	...
8	—	—	...	...	...	...	...	·5	·9	·8	·3	...	·1	·3	...	...	—	—	2·9	22	350	...	...	...
9	—	—	...	...	...	...	...	...	...	...	·4	·3	·7	·4	·3	...	—	—	2·1	16	220	...	...	...
10	—	—	...	...	...	...	...	...	...	...	...	...	...	·4	1·0	...	—	—	1·4	11	160	...	...	...
11	—	—	...	...	·9	·3	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	...	—	—	9·3	72	1860	...	...	...
12	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	—	—	0·1	1	30	...	...	...
13	—	—	...	...	...	...	...	·1	·1	·9	·9	·8	·9	1·0	·9	...	—	—	5·6	44	740	...	...	...
14	—	—	...	...	...	·2	1·0	1·0	1·0	·6	·9	·4	·5	·6	...	...	—	—	6·2	49	1190	...	...	...
15	—	—	...	...	·1	·2	·3	·1	...	·4	·6	·1	...	·4	·3	...	—	—	2·5	20	320	...	...	...
16	—	—	...	...	...	·2	·8	·9	1·0	·8	·1	...	...	...	...	...	—	—	3·8	30	460	...	...	...
17	—	—	...	...	...	...	...	·1	...	...	·1	·1	·1	...	...	...	—	—	0·4	3	40	...	...	...
18	—	—	...	...	...	·4	·2	·1	...	...	·3	·4	...	...	...	...	—	—	1·4	11	150	...	...	...
19	—	—	...	...	...	...	...	...	·1	...	·9	1·0	·7	...	...	...	—	—	2·7	22	250	...	...	...
20	—	—	...	...	·1	·5	·3	·9	·4	·6	·5	·5	...	...	...	...	—	—	3·8	31	350	...	...	...
21	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	10	...	...	...
22	—	—	...	...	...	...	...	...	...	·3	1·0	·8	·3	·5	...	...	—	—	2·9	24	310	...	...	...
23	—	—	—	...	...	...	...	...	·3	·9	1·0	1·0	·4	...	...	—	—	—	3·6	30	280	...	...	...
24	—	—	—	...	...	...	...	·3	·3	·4	...	...	...	...	...	—	—	—	1·0	8	100	...	...	...
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	10	...	...	...
26	—	—	—	...	...	...	...	...	...	...	·6	...	...	...	...	—	—	—	0·6	5	40	...	...	...
27	—	—	—	...	...	...	...	...	...	...	·1	...	·1	·7	...	—	—	—	0·9	8	80	...	...	...
28	—	—	—	·1	1·0	1·0	1·0	·9	·5	·8	·5	·7	·4	·9	...	—	—	—	7·8	66	1100	...	...	...
29	—	—	—	...	·5	1·0	1·0	1·0	·9	·8	·7	1·0	1·0	1·0	·1	—	—	—	9·0	77	1340	...	...	...
30	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	20	...	...	...
Sum	—	—	0·2	1·4	4·8	6·0	8·0	9·3	8·2	9·7	11·3	10·0	7·6	9·0	4·6	...	—	—	90·1	—	11600	—	—	—
Mean	—	—	·01	·05	·16	·20	·27	·31	·27	·32	·38	·33	·25	·30	·15	...	—	—	3·00	24	390	—	—	—

508 KEW OBSERVATORY: h_S = 13·3 metres — OCTOBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mm/cm²		
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
2	—	—	—	...	·6	·4	...	...	...	...	·1	·4	·4	...	...	...	—	—	—	1·9	16	140	...	...	...
3	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	—	—	—	9·8	86	2140	75	1·75	Clear
4	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	—	—	—	9·0	79	1390	...	...	...
5	—	—	—	...	...	...	...	...	·2	·6	·9	·1	·1	·1	...	...	—	—	—	2·0	18	140	...	...	...
6	—	—	—	...	·6	·7	·2	·9	·2	·5	·4	·5	·3	·5	...	...	—	—	—	4·8	43	560	...	...	...
7	—	—	—	...	·3	·5	...	...	...	·3	·3	·1	·8	...	...	...	—	—	—	2·3	21	280	...	...	...
8	—	—	—	...	...	...	...	...	...	...	·7	·6	·1	...	...	...	—	—	—	1·4	13	120	...	...	...
9	—	—	—	...	·1	·4	·5	·1	...	...	...	...	...	...	...	...	—	—	—	1·1	10	100	...	...	...
10	—	—	—	...	·2	·6	...	·6	·6	...	...	...	·2	...	...	...	—	—	—	2·2	20	220	...	...	...
11	—	—	—	...	·6	1·0	1·0	1·0	·8	·6	...	·3	·1	·1	...	...	—	—	—	5·5	50	850	...	...	...
12	—	—	—	...	...	...	...	...	...	·2	·1	·8	·2	...	...	...	—	—	—	1·3	12	140	...	...	...
13	—	—	—	...	...	·1	·8	·9	·4	...	...	·1	...	...	...	...	—	—	—	2·3	21	290	...	...	...
14	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	0	...	...	...
15	—	—	—	...	·2	·2	·2	·7	·6	·9	·9	·8	·1	...	...	...	—	—	—	4·6	43	490	...	...	...
16	—	—	—	...	·1	1·0	1·0	1·0	·5	·9	·1	...	...	...	...	...	—	—	—	4·6	43	760	...	...	...
17	—	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	—	—	—	0·1	1	10	...	...	...
18	—	—	—	...	...	·8	1·0	1·0	1·0	·9	1·0	1·0	1·0	·6	...	...	—	—	—	8·3	79	1710	...	...	...
19	—	—	—	...	...	...	·6	·8	·7	·1	...	·2	·2	...	...	...	—	—	—	2·6	25	410	...	...	...
20	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·1	...	...	...	...	—	—	—	6·7	65	1130	...	...	...
21	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
22	—	—	—	...	...	·1	·1	...	·1	...	...	...	...	...	...	...	—	—	—	0·3	3	90	...	...	...
23	—	—	—	...	...	...	...	·1	·1	...	...	...	...	...	...	...	—	—	—	0·2	2	10	...	...	...
24	—	—	—	—	...	...	...	...	·3	1·0	1·0	1·0	·6	...	—	—	—	—	—	3·9	39	650	62	2·22	Hazy
25	—	—	—	—	...	...	...	·9	·9	1·0	·6	·2	·3	·2	—	—	—	—	—	4·1	41	960	74	2·24	Hazy
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
27	—	—	—	—	·3	1·0	·8	·6	·1	...	·2	·8	...	...	—	—	—	—	—	3·8	38	660	...	...	...
28	—	—	—	—	·2	1·0	1·0	·9	...	·1	·9	·2	·9	...	—	—	—	—	—	5·2	52	790	...	...	...
29	—	—	—	—	...	...	·1	·2	·4	·1	...	...	...	...	—	—	—	—	—	0·8	8	90	...	...	...
30	—	—	—	—	...	·5	·1	...	·2	·7	·8	...	...	...	—	—	—	—	—	2·3	24	290	...	...	...
31	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
Sum	—	—	—	0·2	5·6	11·3	10·4	12·7	10·2	10·9	10·9	9·2	7·3	2·4	...	—	—	—	—	91·1	—	14220	—	—	—
Mean	—	—	—	·01	·18	·36	·34	·41	·33	·35	·35	·30	·24	·08	...	—	—	—	—	2·94	27	465	—	—	—

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
																					SOLAR RADIATION Received on surface perpendicular to solar beam			

* Gorczynski Pyrheliograph † Ångström Pyrheliometer

DURATION OF BRIGHT SUNSHINE
For periods of sixty minutes, between the exact hours of Local Apparent Time

509 KEW OBSERVATORY: h_S (height of recorder above ground) = 13·3 metres — NOVEMBER, 1936

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	SOLAR RADIATION Received on surface perpendicular to solar beam: *Total for Day	†Rate near Noon	Sec Z	Sky
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/cm²	mw/cm²		
1	--	--	--	--	...	1·0	1·0	1·0	1·0	·8	·7	1·0	·9	...	--	--	--	--	7·4	77	1040	...	...	...
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
3	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
4	--	--	--	--	...	...	·7	1·0	·1	·2	·1	...	...	...	--	--	--	--	2·1	22	270	...	...	...
5	--	--	--	--	...	...	...	...	...	·2	·4	...	...	...	--	--	--	--	0·6	6	20	...	...	...
6	--	--	--	--	...	...	·7	1·0	·8	·9	·2	·1	...	...	--	--	--	--	3·7	40	510	...	...	...
7	--	--	--	--	...	...	·2	·3	·5	·8	·2	...	·3	...	--	--	--	--	2·3	25	310	...	...	...
8	--	--	--	--	...	·9	1·0	1·0	1·0	1·0	·8	·9	·1	...	--	--	--	--	6·7	73	1280	...	...	...
9	--	--	--	--	...	·1	·2	·9	·8	·8	·8	·5	·4	...	--	--	--	--	4·5	49	600	...	...	...
10	--	--	--	--	...	...	·3	1·0	·7	...	·1	·6	·5	...	--	--	--	--	3·2	35	420	...	...	...
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	60	...	...	...
12	--	--	--	--	...	...	...	...	...	·1	·2	·5	·3	...	--	--	--	--	1·1	12	70	...	...	...
13	--	--	--	--	...	...	...	...	·1	·3	·5	...	...	...	--	--	--	--	0·9	10	60	...	...	...
14	--	--	--	--	...	...	...	·3	·3	...	·8	1·0	·6	...	--	--	--	--	3·0	34	340	...	...	...
15	--	--	--	--	...	...	...	·2	...	...	...	...	...	...	--	--	--	--	0·2	2	50	...	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	0	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	·1	...	--	--	--	--	0·1	1	10	...	...	...
18	--	--	--	--	...	...	...	...	...	...	...	·2	...	...	--	--	--	--	0·2	2	20	...	...	...
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
20	--	--	--	--	...	...	·5	...	...	...	...	...	...	...	--	--	--	--	0·5	6	50	...	...	...
21	--	--	--	--	...	...	...	...	·4	1·0	·9	·3	...	...	--	--	--	--	2·6	30	260	...	...	...
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	50	...	...	...
23	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
27	--	--	--	--	...	...	...	...	...	·2	·2	...	...	...	--	--	--	--	0·4	5	140	...	...	...
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	190	...	...	...
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	50	...	...	...
30	--	--	--	--	...	...	...	...	·3	·1	...	·7	·1	...	--	--	--	--	1·2	15	170	...	...	...
Sum	--	--	--	--	...	2·0	4·6	6·7	6·0	6·4	5·9	5·8	3·3	...	--	--	--	--	40·7	...	5970	--	--	--
Mean	--	--	--	--	...	·07	·15	·22	·20	·21	·20	·19	·11	...	--	--	--	--	1·36	15	199	--	--	--

510 KEW OBSERVATORY: h_S = 13·3 metres — DECEMBER, 1936

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	joules/Cm²	mw/cm²		
1	--	--	--	--	...	...	·4	·2	...	·3	...	...	...	...	--	--	--	--	0·9	11	10	...	...	...
2	--	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	0	...	...	...
3	--	--	--	--	--	...	·6	·4	·7	·2	·1	...	...	--	--	--	--	--	2·0	25	230	...	...	...
4	--	--	--	--	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	--	5·2	77	930	53	3·60	Clear
5	--	--	--	--	--	...	...	...	·3	·7	·4	·8	·3	--	--	--	--	--	2·5	31	360	...	...	...
6	--	--	--	--	--	...	...	...	...	·3	·3	·1	...	--	--	--	--	--	0·7	9	100	...	...	...
7	--	--	--	--	--	·4	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	6·3	79	1000	...	...	...
8	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	30	...	...	...
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
13	--	--	--	--	--	·7	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	--	6·4	82	970	...	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
15	--	--	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	--	6·2	80	970	...	...	...
16	--	--	--	--	--	...	...	...	·2	·5	·7	...	...	--	--	--	--	--	1·4	18	170	51	3·91	Hazy
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
19	--	--	--	--	--	·3	1·0	1·0	1·0	·1	·1	...	...	--	--	--	--	--	3·5	45	690	...	...	...
20	--	--	--	--	--	...	·5	...	·8	·9	·3	...	...	--	--	--	--	--	2·5	32	130	...	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
22	--	--	--	--	--	...	·7	·9	·1	·3	...	...	...	--	--	--	--	--	2·0	26	140	...	...	...
23	--	--	--	--	--	·1	·9	1·0	1·0	1·0	·8	·3	...	--	--	--	--	--	5·1	66	650	...	...	...
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
25	--	--	--	--	--	·3	1·0	1·0	1·0	·6	...	...	...	--	--	--	--	--	3·9	5	480	...	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
27	--	--	--	--	--	...	...	·7	1·0	·2	·5	...	...	--	--	--	--	--	2·4	31	250	...	...	...
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
29	--	--	--	--	--	...	...	·3	·2	...	...	...	...	--	--	--	--	--	0·5	6	40	...	...	...
30	--	--	--	--	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	--	6·2	79	970	44	3·82	Hazy
31	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	10	...	...	...
Sum	--	--	--	--	...	2·2	10·1	10·5	11·3	10·1	8·2	5·8	0·5	...	--	--	--	--	59·7	-	8130	--	--	--
Mean	--	--	--	--	...	·07	·33	·34	·36	·33	·26	·19	·02	...	--	--	--	--	1·89	24	260	--	--	--
Annual Total	...	2·8	23·5	50·4	72·8	99·3	121·8	128·1	128·7	136·5	132·0	116·3	99·6	84·5	68·0	34·4	8·6	...	1307·3	--	198220	--	--	--
Annual Mean	...	·01	·06	·14	·20	·27	·33	·35	·35	·37	·36	·32	·27	·23	·19	·09	·02	...	3·57	29	540	--	--	--
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
																					SOLAR RADIATION Received on surface perpendicular to solar base			

* Gorczynski Pyrheliograph † Ångström Pyrheliometer

WIND: DIRECTION AND SPEED

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

511 KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of vane of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	165	4·5	145	4·5	150	5·2	160	7·4	155	6·6	175	4·8	185	4·6	190	4·6	190	4·2	175	4·3	170	3·6	165	3·9
2	230	2·3	210	1·6	190	1·1	165	1·1	160	2·0	170	2·1	165	1·9	160	1·9	140	0·5	40	0·2	170	0·2	210	1·2
3	305	1·5	335	2·0	335	1·1	340	0·6	105	0·2	45	0·4	350	1·2	15	1·2	15	2·0	25	2·0	345	1·3	345	2·1
4	300	2·7	285	2·5	275	1·8	255	2·0	260	1·9	250	2·9	245	2·6	250	2·9	245	2·9	245	3·1	250	3·4	260	4·3
5	205	1·2	190	1·9	180	2·0	180	2·0	170	2·9	170	2·8	160	3·4	170	4·2	170	4·5	170	4·6	175	7·0	165	5·9
6	180	5·5	180	6·5	175	6·0	170	6·6	165	7·0	165	9·0	175	8·9	185	7·5	195	7·2	200	7·9	205	5·9	195	5·1
7	205	3·1	200	3·0	185	3·7	185	3·9	190	4·3	145	2·5	145	3·2	150	3·9	150	5·1	140	3·3	150	3·5	135	2·0
8	235	3·2	240	3·4	240	3·8	240	3·5	225	2·7	235	3·0	220	1·9	205	1·5	210	2·6	195	3·0	185	3·4	185	5·1
9	205	4·6	215	6·0	220	5·9	225	4·2	210	3·1	200	4·5	195	3·9	195	4·8	190	4·9	195	5·7	195	6·0	195	6·5
10	220	11·4	215	10·5	220	9·9	230	11·0	225	8·6	225	9·9	220	8·6	220	9·6	215	9·5	215	10·2	220	9·8	225	8·5
11	230	8·0	245	8·1	260	8·8	255	8·0	255	8·0	255	7·4	255	6·8	255	6·1	260	5·0	270	5·5	270	5·5	280	5·0
12	255	1·6	230	1·5	250	0·8	225	1·0	245	1·0	235	0·3	250	0·3	255	0·2	235	0·4	295	0·2	335	0·3	335	0·5
13	230	0·3	220	0·9	230	1·0	305	0·5	340	0·4	250	0·6	260	0·2	210	1·0	235	0·6	225	0·5	225	1·0	220	1·3
14	245	0·6	260	0·5	220	1·2	210	1·2	255	0·5	350	0·7	15	1·0	265	0·5	245	1·0	315	0·7	220	1·5	195	0·7
15	235	0·6	340	0·2	230	0·5	240	0·5	230	0·5	240	0·2	-	0·0	90	1·0	90	0·8	90	1·6	100	1·5	110	1·4
16	95	2·7	90	2·4	90	2·5	90	3·0	85	3·4	80	3·5	80	2·7	90	3·5	95	3·4	95	3·3	85	3·5	75	1·8
17	20	4·7	20	5·0	20	5·6	20	6·2	20	6·2	15	7·0	15	7·0	10	6·8	355	7·1	355	6·2	345	6·7	345	6·9
18	220	5·6	235	5·5	245	5·0	245	5·2	240	5·0	240	3·8	255	2·9	335	3·1	320	1·8	245	1·7	230	2·6	240	2·0
19	265	0·3	355	0·1	200	0·1	360	0·2	10	0·4	40	1·0	70	1·2	70	1·7	70	2·9	80	3·3	85	5·0	80	4·6
20	115	3·4	125	4·5	120	4·6	165	7·0	200	9·5	220	11·0	215	9·1	215	8·0	215	7·5	205	7·9	200	7·2	200	6·4
21	230	6·6	230	6·5	225	6·1	225	7·0	225	4·8	230	3·5	215	3·8	225	4·4	235	4·0	240	4·8	250	5·9	255	7·1
22	220	4·7	220	4·2	225	3·0	230	2·5	240	2·5	230	2·4	220	1·6	235	2·1	225	1·9	230	1·2	220	2·0	240	1·1
23	245	3·9	245	4·0	240	3·3	245	3·4	245	3·7	240	3·0	245	3·4	245	3·6	230	3·2	230	3·7	235	3·8	245	3·3
24	195	0·4	145	0·7	95	1·0	90	1·4	95	0·8	90	1·0	80	0·5	110	1·9	70	1·0	110	2·0	95	3·5	105	3·6
25	90	2·6	95	2·0	90	2·8	90	2·6	90	2·6	90	2·4	90	2·2	100	2·0	90	1·0	105	2·0	100	2·2	100	2·7
26	170	1·7	195	0·9	210	1·0	195	0·6	220	1·5	240	2·0	240	2·0	255	1·8	250	1·9	235	2·9	245	3·8	260	3·6
27	185	2·5	170	3·4	180	3·6	175	4·8	135	4·1	185	4·9	180	4·9	180	6·0	190	7·5	205	8·7	195	7·2	205	6·2
28	205	4·6	205	3·9	205	5·6	200	4·0	200	4·9	205	5·0	205	4·5	195	5·2	190	6·0	205	6·5	215	6·9	260	5·9
29	175	6·2	190	5·2	185	5·0	175	5·4	170	5·6	165	4·6	170	4·4	160	4·9	165	4·4	180	4·2	195	2·9	185	3·0
30	220	4·3	205	3·4	195	3·4	210	4·8	225	4·8	225	3·2	230	4·2	225	4·0	220	3·0	215	4·7	215	4·5	210	5·1
31	220	5·1	215	5·2	225	5·4	225	4·1	210	3·0	210	2·0	205	2·1	235	3·5	235	3·5	260	3·5	265	3·8	255	4·6
Mean	—	3·6	—	3·5	—	3·6	—	3·7	—	3·6	—	3·6	—	3·4	—	3·7	—	3·6	—	3·9	—	4·0	—	3·9

512 KEW OBSERVATORY: H_a = 5 metres + 23 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	230	4·9	235	4·5	230	3·8	215	3·8	210	2·5	190	3·0	180	4·9	180	5·2	215	5·0	235	5·0	260	5·0	265	4·8
2	265	2·4	260	2·4	260	1·7	265	2·0	280	2·8	280	3·1	285	2·9	290	2·6	290	2·4	280	2·1	305	4·0	295	4·7
3	290	2·4	305	2·8	305	3·1	310	4·0	300	3·0	290	2·5	290	2·6	285	2·9	285	3·1	275	4·4	275	4·4	300	6·4
4	300	2·0	305	1·5	280	2·3	300	1·8	290	0·7	260	0·3	255	1·0	275	1·9	290	0·5	245	1·0	280	1·0	275	1·5
5	235	0·5	210	0·7	210	0·2	30	0·4	85	0·5	190	0·5	50	0·6	175	0·7	75	0·9	105	1·2	130	2·0	130	2·1
6	135	1·8	130	1·0	100	2·4	135	0·8	95	1·3	110	2·2	100	2·8	100	2·4	125	2·0	120	2·4	140	5·7	130	5·0
7	110	2·5	105	1·9	100	2·3	115	3·0	105	2·9	90	2·7	90	3·0	90	2·9	90	2·6	100	3·5	110	4·0	110	4·4
8	95	4·9	95	3·8	90	3·0	100	2·5	90	2·5	85	3·6	85	4·5	90	4·5	90	4·5	90	6·9	100	7·3	80	9·7
9	90	3·7	85	4·4	85	3·9	80	5·1	85	6·0	90	5·8	90	5·9	85	6·5	80	6·9	85	7·4	85	6·4	80	7·3
10	85	10·0	85	7·8	80	7·9	85	10·8	85	11·1	80	11·5	85	11·6	85	12·5	85	12·3	90	14·9	75	14·9	85	13·8
11	105	7·3	100	7·4	100	7·7	100	7·2	95	7·0	110	5·9	110	5·0	110	4·5	95	6·5	95	7·2	100	6·1	90	5·6
12	55	1·2	350	1·0	10	2·0	10	1·5	20	2·0	30	2·0	40	1·5	40	0·5	255	0·4	20	0·3	40	0·8	80	3·2
13	10	1·6	30	1·0	25	0·7	30	1·1	50	1·0	20	1·2	50	1·3	55	1·6	85	1·2	65	1·7	90	3·9	90	4·5
14	90	5·1	85	5·5	90	4·6	80	5·4	90	6·0	85	4·9	85	5·1	85	6·0	90	6·5	90	6·3	90	6·4	90	6·2
15	85	2·0	85	2·5	75	2·0	80	2·0	65	1·0	40	0·7	70	0·7	70	0·8	345	1·0	335	0·4	325	0·1	305	0·2
16	300	1·0	285	1·4	290	1·2	275	1·4	260	1·3	235	1·5	265	1·0	275	0·9	300	1·1	275	0·9	335	0·3	295	0·6
17	80	3·8	75	3·2	80	3·3	85	4·5	90	3·5	90	2·2	90	1·8	85	1·2	90	1·6	100	0·2	165	1·4	200	2·5
18	140	7·8	130	7·0	145	8·5	145	8·8	145	8·4	160	8·0	170	7·2	170	6·9	165	6·6	170	5·2	180	7·0	185	7·8
19	210	3·3	205	1·7	180	1·3	175	2·1	165	2·2	165	2·6	165	3·1	165	3·9	175	4·0	175	3·9	180	5·1	185	5·5
20	235	3·5	230	3·7	230	3·4	245	2·8	235	3·1	225	2·5	230	2·4	235	2·1	245	1·9	225	1·6	230	3·0	230	4·0
21	145	4·7	145	4·8	150	5·6	155	5·7	155	5·3	155	4·4	165	4·5	180	4·6	205	4·3	235	5·9	220	4·8	265	3·9
22	-	0·0	-	0·0	15	0·9	30	1·0	55	1·5	60	1·6	70	1·9	70	3·5	70	4·9	70	5·0	75	7·0	85	7·9
23	205	2·8	185	2·0	210	2·8	235	1·8	215	1·8	230	2·3	265	2·4	285	3·2	290	3·3	290	2·8	280	2·6	285	3·0
24	225	1·5	230	0·9	225	0·5	215	0·8	220	1·0	230	1·2	220	0·5	225	0·4	270	0·5	275	0·5	285	0·6	10	0·4
25	30	3·6	10	4·3	20	4·9	25	3·7	30	6·0	25	6·4	25	7·3	30	6·7	30	6·1	35	7·2	20	7·5	15	7·3
26	335	2·0	340	1·8	310	1·1	280	1·0	270	0·7	260	0·8	265	1·3	265	1·0	250	1·2	235	1·3	225	2·5	235	2·7
27	200	5·6	205	5·0	210	5·2	205	5·0	210	4·5	205	3·9	220	3·5	235	3·0	245	2·6	260	3·9	280	3·6	300	2·5
28	55	0·5	5	0·5	15	0·8	20	0·7	340	0·5	50	0·4	50	0·6	40	0·3	360	0·7	10	1·5	350	0·6	350	1·9
29	220	0·1	225	0·4	265	0·7	330	1·0	280	0·5	305	1·8	315	1·9	300	2·2	290	2·0	275	2·5	285	2·5	280	2·4
Mean	—	3·2	—	2·9	—	3·0	—	3·2	—	3·1	—	3·1	—	3·2	—	3·3	—	3·3	—	3·7	—	4·1	—	4·5
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 5 metres + 23 metres

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12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
170	3·2	160	3·4	130	2·3	105	2·4	95	2·4	75	2·0	55	1·3	75	0·6	290	2·0	260	2·4	245	3·1	235	2·5	3·6	1
220	2·4	240	2·4	250	2·1	235	2·6	225	2·7	225	2·4	215	2·0	220	2·6	240	2·4	275	1·5	320	1·8	320	2·1	1·8	2
305	1·0	285	0·6	340	2·5	345	2·0	330	2·6	325	2·4	290	1·4	245	1·4	265	1·7	255	1·2	270	1·3	285	2·0	1·5	3
250	2·5	250	2·4	260	2·8	245	1·4	225	2·1	225	2·3	235	3·2	245	3·7	235	2·5	220	2·0	230	2·5	225	1·8	2·6	4
155	6·7	155	7·6	150	7·9	145	8·7	135	7·8	145	7·5	155	8·3	165	7·9	155	6·6	170	5·9	180	5·0	190	6·0	5·3	5
190	6·1	200	5·5	205	5·7	215	5·9	215	5·9	195	4·8	205	5·0	195	3·1	190	3·8	200	5·4	195	5·4	205	5·0	6·0	6
170	1·3	245	2·4	240	3·1	205	2·0	200	2·6	195	3·6	210	4·4	215	4·1	225	3·7	230	4·0	230	3·5	240	3·4	3·3	7
185	4·5	185	3·7	185	6·4	190	7·8	200	8·6	200	7·9	205	8·0	205	7·9	205	6·0	200	4·9	200	4·6	200	4·1	4·6	8
190	7·0	190	7·4	190	9·0	185	9·5	190	10·7	205	12·6	215	15·6	230	14·5	230	12·4	225	11·7	220	10·3	220	10·8	8·0	9
225	9·4	230	10·1	225	9·1	220	8·1	225	7·4	230	6·8	230	6·9	230	7·5	230	8·0	230	7·5	235	6·7	235	6·8	8·8	10
275	4·9	275	4·5	275	4·4	270	3·0	250	2·4	250	1·7	225	1·0	230	1·2	230	1·4	235	1·1	225	1·0	255	1·0	4·6	11
240	0·5	210	0·6	240	0·5	245	0·4	315	0·2	345	0·5	310	0·2	210	0·5	235	0·7	330	1·0	310	0·2	235	0·1	5·6	12
250	1·5	280	1·4	275	1·5	305	1·5	315	0·6	285	1·2	285	2·5	285	0·8	275	1·1	270	0·7	245	0·5	245	0·9	0·9	13
205	0·6	200	0·7	210	0·7	360	0·3	20	0·2	25	1·0	20	1·6	20	1·8	25	1·6	35	2·0	45	2·6	40	1·5	1·0	14
110	1·5	100	2·0	95	2·0	105	2·0	105	2·0	100	2·0	105	2·4	95	3·3	100	3·4	95	2·5	100	3·1	100	3·5	1·6	15
40	1·7	50	2·5	25	0·6	25	1·5	10	2·1	35	3·1	40	2·5	35	3·0	25	3·1	20	4·5	20	4·8	20	4·9	2·9	16
340	6·8	335	5·9	320	4·8	310	3·8	300	4·1	290	2·9	270	3·2	230	2·9	230	2·3	225	3·3	225	4·3	255	4·8	5·2	17
260	1·5	275	1·5	310	1·4	305	1·2	255	1·0	235	1·0	235	0·6	235	0·2	230	0·6	245	0·5	-	0·0	220	0·6	2·3	18
90	4·5	90	3·5	85	4·0	75	3·5	75	3·3	85	4·4	90	5·4	90	5·9	95	5·3	100	4·0	115	3·4	120	3·4	3·0	19
200	8·0	210	8·5	215	7·8	210	7·3	205	5·9	210	5·0	200	3·5	220	4·7	240	5·7	240	7·4	235	6·3	235	6·3	6·8	20
260	8·0	260	7·9	255	8·1	245	7·5	240	7·3	240	6·3	245	6·1	245	5·8	240	5·5	240	5·8	235	5·6	230	5·3	6·0	21
220	2·2	220	3·4	200	3·0	180	2·9	250	3·8	240	1·8	250	2·0	260	2·2	265	3·6	250	2·9	235	2·9	235	2·8	2·6	22
250	2·8	230	2·9	235	2·7	250	3·3	235	2·6	230	2·5	215	2·5	205	2·3	210	1·5	220	1·8	260	2·0	250	0·5	2·9	23
115	5·0	115	4·7	105	4·9	110	4·6	115	4·8	110	3·7	105	4·1	105	5·1	105	4·5	110	4·0	105	3·9	100	3·4	2·9	24
95	3·9	100	2·2	120	3·4	115	2·4	135	2·3	135	3·0	135	3·0	150	3·2	145	2·2	150	2·0	165	2·2	170	1·9	2·5	25
255	3·6	250	3·9	235	3·4	230	3·6	230	2·5	230	2·4	240	1·6	215	1·9	210	1·8	200	2·0	200	2·8	195	2·3	2·3	26
200	4·6	215	3·5	220	4·5	225	3·5	205	3·3	195	4·5	205	5·7	200	4·9	205	4·8	220	6·3	215	6·3	220	5·5	5·1	27
250	6·2	250	6·0	255	4·6	255	1·6	230	0·5	120	1·2	135	1·6	140	2·9	85	3·4	135	4·9	175	7·9	175	7·1	4·6	28
195	1·6	255	1·8	280	6·2	280	6·7	280	6·6	280	5·7	265	4·0	250	4·0	250	4·1	235	3·6	230	3·1	225	2·9	4·4	29
215	4·6	210	4·6	205	5·4	200	4·5	195	4·0	195	3·2	190	4·0	190	4·2	190	4·2	190	4·4	205	4·9	215	4·8	4·3	30
245	3·0	260	2·0	265	5·2	260	8·6	260	11·1	270	10·2	280	7·1	265	3·8	245	4·9	240	5·2	240	5·8	235	5·0	4·9	31
---	3·9	---	3·9	---	4·2	---	4·0	---	4·0	---	3·9	---	3·9	---	3·8	---	3·7	---	3·8	---	3·8	---	3·6	3·8	Mean

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
250	3·9	250	4·5	260	3·4	240	2·3	230	2·2	200	1·3	190	1·3	190	1·0	210	2·2	240	1·3	280	1·4	275	1·3	3·3	1
295	3·9	300	4·0	335	4·3	320	0·8	325	2·4	330	2·6	330	2·1	360	5·2	10	5·3	335	1·8	290	2·3	280	2·4	2·9	2
310	5·9	315	7·0	320	6·9	335	5·9	330	6·1	310	3·5	295	4·4	310	4·6	320	4·5	320	2·9	315	2·6	315	2·5	4·1	3
280	1·9	310	2·5	315	1·8	270	1·7	275	1·6	270	0·8	265	0·7	230	0·8	215	1·0	195	1·6	225	0·8	240	0·5	1·3	4
140	2·8	135	3·4	150	2·9	160	2·6	120	1·8	110	2·0	100	1·8	120	1·8	135	1·9	140	2·1	135	1·6	130	1·8	1·5	5
140	5·8	135	4·8	135	4·5	125	3·4	115	4·8	115	3·8	110	2·6	100	2·7	105	2·3	115	2·8	105	2·4	110	2·3	3·0	6
115	5·0	90	4·4	90	3·3	90	4·4	80	5·2	85	5·2	90	5·7	85	5·8	85	5·0	90	4·5	90	4·5	90	4·7	3·9	7
90	9·1	75	8·6	70	7·4	70	6·5	65	6·3	60	6·9	65	6·7	85	6·5	100	7·6	95	4·5	100	3·4	85	4·0	5·7	8
80	7·3	65	8·4	75	8·5	80	9·5	80	7·9	85	7·8	85	6·5	90	7·4	85	6·4	85	6·5	90	7·1	90	7·6	6·7	9
90	15·0	85	13·6	85	11·5	85	12·4	85	12·1	90	11·9	90	11·6	100	11·0	100	8·6	100	8·0	105	7·5	105	8·0	11·3	10
100	5·5	95	5·6	95	4·0	95	3·5	70	2·3	65	2·6	80	2·7	90	3·8	90	2·8	110	1·3	90	1·5	60	1·6	4·8	11
80	4·2	75	4·0	85	4·6	85	3·4	105	3·2	105	3·5	85	4·8	85	4·0	85	3·5	130	1·4	145	0·5	15	1·4	2·3	12
85	4·8	85	4·4	75	5·1	80	5·0	80	5·2	85	6·3	85	5·0	90	5·1	85	3·6	85	4·4	90	5·0	85	4·6	3·3	13
85	6·8	80	6·9	80	6·8	75	5·9	75	6·0	80	4·8	80	5·2	85	2·8	85	3·0	85	2·6	90	2·3	90	2·2	5·1	14
315	0·2	260	0·1	270	0·6	325	1·4	320	1·6	325	1·6	340	1·7	340	1·4	320	1·2	310	1·4	305	1·0	300	0·9	1·1	15
325	0·6	350	1·0	315	0·4	60	1·6	45	2·3	60	3·2	70	3·8	75	4·6	75	5·2	80	5·4	85	6·1	85	4·5	2·1	16
190	3·5	185	3·0	165	3·5	170	4·1	170	5·0	155	2·1	145	2·5	115	1·8	125	3·0	120	4·1	135	5·6	125	6·3	3·1	17
190	8·7	195	7·6	215	9·4	210	8·0	210	7·9	205	7·0	200	7·5	205	7·0	205	8·4	220	7·9	215	6·6	215	6·2	7·6	18
190	3·9	205	3·8	220	3·7	270	3·8	265	4·6	260	3·5	240	1·2	235	2·5	245	3·7	250	2·5	240	3·4	230	3·5	3·3	19
235	3·0	235	3·2	225	2·9	230	2·5	195	2·8	170	3·0	165	3·4	150	2·7	120	2·5	120	2·2	125	4·0	140	4·5	2·9	20
275	2·9	285	2·8	315	2·3	310	1·6	310	1·5	345	1·1	165	0·2	135	0·5	185	1·4	205	0·5	220	0·4	285	0·1	3·1	21
90	7·0	95	5·4	110	4·0	105	2·6	115	1·7	190	1·7	195	3·4	200	4·8	205	5·2	215	5·5	225	6·1	215	3·4	3·6	22
285	3·4	300	4·3	280	4·8	280	3·5	265	2·5	270	2·5	235	1·8	250	2·5	240	2·4	235	2·5	220	2·2	230	1·9	2·7	23
45	1·0	15	1·4	355	0·7	5	0·7	65	1·5	95	1·3	60	0·6	15	1·9	10	2·2	15	2·7	35	3·5	40	3·8	1·3	24
20	6·5	15	6·0	25	6·2	15	5·6	10	4·9	10	5·0	20	5·0	15	3·8	15	3·9	5	3·0	360	3·0	335	3·0	5·3	25
230	4·2	230	5·0	245	5·0	235	3·9	220	6·3	220	5·0	210	5·5	210	5·4	210	5·2	205	6·3	205	6·7	200	6·4	3·4	26
275	3·2	290	3·5	280	2·9	270	2·0	245	1·8	230	0·7	245	0·2	-	0·0	175	0·4	200	1·3	200	0·6	75	0·3	2·7	27
360	2·6	350	3·0	350	4·2	355	3·2	350	2·1	350	1·0	345	0·4	20	1·0	270	0·5	230	0·8	220	0·7	195	0·3	1·2	28
290	2·3	330	3·5	315	2·8	325	3·4	340	3·6	340	4·0	310	2·5	305	2·7	310	3·0	305	3·0	290	2·2	275	2·2	2·2	29
---	4·6	---	4·7	---	4·4	---	4·0	---	4·1	---	3·6	---	3·5	---	3·6	---	3·7	---	3·3	---	3·3	---	3·2	3·8	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

513 KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of vane of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	275	2·1	260	2·0	265	2·3	270	2·1	285	2·2	280	2·0	275	2·1	255	1·5	255	2·1	265	2·7	295	3·0	295	2·7
2	295	1·5	270	1·8	300	2·8	310	3·2	315	3·6	315	4·2	305	3·6	320	3·4	350	3·8	10	4·8	15	4·5	25	5·8
3	5	1·8	325	1·0	335	1·7	335	1·5	345	1·3	10	1·8	355	1·9	345	1·4	340	1·8	345	0·9	35	0·8	20	0·9
4	355	0·3	310	0·1	225	0·2	220	0·3	315	0·2	230	0·2	265	0·3	360	1·5	20	1·5	325	0·9	295	0·8	295	1·5
5	225	4·4	220	3·8	215	2·8	235	1·8	240	1·5	235	1·5	245	1·3	250	1·1	260	0·7	255	1·1	280	2·4	285	3·0
6	220	2·0	245	3·0	235	2·9	235	2·4	250	2·7	275	3·5	285	2·4	240	1·3	275	2·4	290	3·9	295	4·1	315	3·6
7	190	1·3	195	0·6	200	0·9	190	0·2	190	0·1	140	0·1	80	0·6	125	0·6	170	2·5	170	4·7	180	5·9	180	5·9
8	170	3·1	170	2·4	155	1·3	150	1·3	170	1·2	210	0·9	135	1·5	125	1·2	80	1·3	80	1·7	90	2·3	105	2·1
9	175	2·0	175	1·6	110	1·0	105	0·8	140	0·7	155	0·5	170	1·9	185	1·5	180	2·3	180	3·7	185	4·4	185	5·0
10	75	1·4	70	1·7	75	1·6	80	1·9	80	1·2	75	1·2	50	1·1	60	1·1	80	1·3	80	0·6	30	1·5	45	1·7
11	35	4·8	40	4·8	30	5·2	35	5·0	35	5·5	30	4·4	30	3·5	35	4·8	35	4·5	45	4·5	40	5·4	45	4·4
12	60	6·1	65	5·9	65	6·5	65	5·6	60	5·9	60	7·3	55	5·7	60	5·5	65	5·6	70	6·3	65	6·0	65	5·4
13	60	5·6	45	3·7	35	3·5	35	3·3	30	3·2	35	3·4	45	3·2	60	3·0	95	4·3	105	4·0	100	3·2	90	3·8
14	85	5·2	100	3·5	120	1·8	160	0·6	190	0·3	285	0·1	330	1·0	330	0·9	360	0·1	205	2·4	125	1·5	100	2·6
15	220	0·1	225	0·1	195	0·2	215	1·0	220	1·4	210	2·0	215	1·1	230	1·2	250	1·3	265	1·5	290	1·8	320	2·6
16	5	0·7	355	0·7	20	0·9	30	0·5	20	0·5	350	0·7	5	1·0	40	0·6	310	0·4	230	0·2	325	0·7	10	1·8
17	200	1·3	205	1·0	220	0·2	230	0·9	215	1·2	220	1·2	255	0·5	265	0·5	235	0·7	245	0·3	245	1·5	260	1·4
18	50	0·2	70	0·2	90	0·2	80	0·2	55	0·4	95	0·4	50	0·2	55	0·3	75	1·4	85	2·5	90	3·2	100	4·3
19	65	4·3	60	3·2	50	1·6	60	2·3	65	1·9	65	1·6	55	1·2	75	3·1	80	3·6	80	3·5	75	4·3	110	4·9
20	155	0·9	155	1·9	155	2·9	150	1·8	145	1·5	110	1·0	160	1·8	165	3·0	170	4·1	170	4·4	170	5·1	165	4·1
21	75	1·3	65	1·0	80	1·0	70	0·9	65	0·8	65	1·2	75	1·5	80	1·5	115	2·0	135	3·5	135	6·1	130	6·5
22	70	1·8	130	3·5	135	3·9	140	3·4	130	4·4	130	5·6	130	5·8	140	5·5	135	4·8	145	5·3	155	9·1	160	9·2
23	70	3·0	75	4·2	115	4·3	160	4·4	100	2·4	95	3·4	70	5·0	30	2·0	40	1·8	15	2·4	35	2·8	95	2·9
24	80	1·0	115	1·8	135	2·8	130	2·6	90	1·0	90	0·5	75	0·6	90	0·5	100	2·8	125	4·8	135	6·0	125	5·2
25	75	4·0	70	4·5	60	3·8	70	4·0	70	4·5	75	5·0	75	4·9	80	4·9	80	4·6	80	3·8	60	5·0	65	5·6
26	30	3·9	30	5·0	30	4·6	40	5·4	50	4·3	40	4·3	55	4·9	65	4·9	70	6·9	75	5·6	80	5·8	90	5·7
27	90	2·1	80	1·0	95	1·0	130	1·1	150	1·9	140	2·3	145	2·1	155	2·6	155	3·0	165	3·2	165	3·8	170	5·0
28	155	2·7	155	2·0	170	1·3	150	1·7	150	1·0	160	0·5	120	0·5	160	1·0	170	1·2	155	2·4	170	3·7	190	3·5
29	140	2·5	140	3·5	150	3·0	140	3·1	135	2·8	125	3·2	125	3·8	135	4·4	145	4·4	155	5·3	175	6·3	180	6·3
30	215	6·3	215	5·8	215	6·6	220	7·2	225	6·4	225	6·4	220	4·8	225	5·2	235	7·1	235	5·5	225	6·3	225	6·5
31	205	2·0	205	3·0	215	2·9	210	3·4	215	3·3	215	2·9	210	3·1	210	3·3	210	4·8	215	6·0	225	6·5	230	4·5
Mean	---	2·6	---	2·5	---	2·4	---	2·4	---	2·2	---	2·4	---	2·4	---	2·4	---	2·8	---	3·3	---	4·0	---	4·1

514 KEW OBSERVATORY: H_a = 5 metres + 23 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	210	2·5	205	2·0	190	1·4	165	1·5	150	1·0	110	0·6	115	0·9	125	1·1	115	1·5	135	2·0	140	2·5	160	3·3
2	185	2·2	200	1·3	235	1·0	270	1·7	270	1·9	285	3·1	285	2·1	310	4·2	335	4·6	340	4·8	345	3·5	355	3·7
3	80	3·9	85	4·9	55	4·4	70	3·5	50	4·3	60	5·0	60	5·3	65	5 9	70	6·5	70	7·9	70	8·7	70	8·9
4	45	7·5	45	6·9	45	7·1	40	7·4	40	6·6	35	6·9	35	7·3	35	8·0	35	7·8	35	7·6	40	8·8	40	9·0
5	35	5·0	35	4·9	25	4·1	30	3·9	35	5·0	30	5·0	35	5·6	40	5·5	40	5·6	45	7·1	45	6·5	40	6·4
6	50	5·9	50	5·0	40	5·1	35	4·9	30	3·7	25	4·7	35	4·6	40	4·6	40	4·9	40	4·6	40	4·0	65	3·5
7	275	0·3	260	0·5	330	0·7	360	1·0	20	4·7	20	5·2	25	5·0	20	5·1	20	5·6	20	6·0	25	5·8	30	6·3
8	30	3·6	30	3·5	30	3·8	40	4·5	45	3·5	50	4·9	45	4·4	60	5·0	50	4·4	60	4·7	45	5·0	50	5·0
9	45	5·0	35	4·5	25	5·0	30	6·0	35	5·7	40	5·9	40	6·3	45	7·9	50	6·6	45	6·7	40	7·0	50	7·1
10	55	5·8	60	4·9	55	3·9	35	4·3	30	5·0	30	5·0	30	4·0	35	4·8	40	4·4	25	5·6	25	6·3	35	5·7
11	360	3·5	5	5·0	5	4·0	360	2·4	355	2·2	325	2·3	335	3·5	350	4·9	360	6·1	350	5·9	345	6·3	345	5·8
12	340	2·8	335	3·4	325	2·5	320	2·4	335	2·5	325	1·6	310	0·5	340	1·8	45	1·9	360	1·9	30	1·5	360	1·5
13	275	1·8	280	1·6	270	1·6	270	2·0	265	2·0	250	1·5	290	1·5	305	2·0	335	1·9	360	1·5	100	1·8	150	2·8
14	25	1·7	30	1·7	20	1·6	15	1·4	5	1·7	20	1·4	25	1·3	20	1·1	175	1·2	200	1·9	25	3·5	35	4·1
15	5	0·6	360	0·7	350	0·8	355	1·5	270	1·3	200	0·3	285	0·6	270	0·7	325	2·1	345	3·6	350	4·6	340	5·0
16	355	3·2	355	3·2	350	2·2	350	2·5	350	2·2	355	3·0	360	3·5	360	2·6	360	3·7	360	4·0	360	4·0	355	3·7
17	350	2·6	330	2·5	330	1·8	310	1·4	310	1·8	305	1·8	320	1·9	330	3·9	350	4·8	340	5·8	340	6·9	340	7·3
18	310	2·8	300	2·9	295	1·9	280	1·0	275	1·4	270	1·5	275	1·8	300	3·8	310	6·6	315	7·0	320	6·8	315	6·1
19	250	2·8	230	2·2	235	2·3	235	1·5	220	1·8	240	1·5	265	1·6	320	4·9	320	4·9	310	4·8	320	4·0	315	4·0
20	220	2·0	230	1·6	215	1·8	190	1·8	215	2·9	225	4·9	210	4·0	210	4·0	215	4·8	210	4·9	225	3·8	195	3·4
21	200	1·0	205	1·4	235	0·7	205	1·1	205	1·3	190	1·3	200	0·8	185	0·6	185	1·8	195	5·3	185	6·4	165	6·5
22	40	7·1	40	7·5	35	7·7	25	8·4	25	8·5	25	7·2	15	7·3	15	8·0	25	9·5	20	8·8	15	8·2	10	7·9
23	270	1·2	250	1·3	225	1·7	215	1·6	220	1·6	230	1·5	230	0·7	235	0·9	240	1·2	245	2·5	225	3·7	215	4·3
24	155	3·3	165	4·0	200	3·4	235	3·5	255	2·9	265	2·6	265	2·6	285	4·8	310	4·6	305	5·1	305	4·3	300	4·8
25	215	5·5	215	5·0	220	4·5	220	5·4	225	6·3	210	7·0	220	5·8	220	5·6	230	5·6	225	6·2	225	7·1	240	6·8
26	230	5·0	230	2·2	220	2·9	225	3·3	230	2·9	220	2·6	240	3·4	245	4·0	255	4·0	240	3·3	240	3·4	225	3·8
27	250	1·3	230	1·2	220	1·2	235	1·1	270	1·0	270	1·2	305	2·1	315	4·1	315	5·0	325	5·0	335	5·2	340	5·0
28	340	0·7	360	1·8	250	1·0	265	1·0	340	0·6	250	0·2	-	0·0	-	0·0	205	0·2	320	0·8	280	1·1	105	2·0
29	210	1·3	230	1·6	225	1·2	255	1·3	270	0·8	240	0·7	285	0·5	10	1·7	15	1·6	10	1·1	5	1·4	355	2·0
30	360	4·4	360	2·3	340	1·6	355	2·5	360	3·5	5	4·6	5	5·0	10	5·3	10	5·1	15	5·0	10	5·0	15	4·5
Mean	---	3·2	---	3·1	---	2·8	---	2·9	---	3·0	---	3·2	---	3·1	---	3·9	---	4·3	---	4·7	---	4·9	---	5·0
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 5 metres + 23 metres

MARCH, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
305	2·7	300	2·5	320	2·5	295	2·5	280	2·3	280	2·5	295	2·5	280	2·4	305	2·8	315	3·1	325	2·3	320	2·0	2·4	1
35	4·4	15	3·6	10	2·5	355	3·3	360	3·2	360	3·6	355	2·7	360	3·4	10	3·5	5	2·3	360	3·0	360	2·6	3·4	2
60	0·8	50	0·8	170	0·2	210	0·4	240	0·5	325	0·5	340	0·9	20	0·9	10	0·5	20	0·5	340	0·5	350	0·5	1·0	3
295	1·0	245	1·7	235	2·3	220	1·1	155	0·9	180	0·6	190	0·1	195	1·3	200	2·5	215	3·3	215	3·2	245	3·0	1·2	4
295	3·2	270	3·5	280	4·6	285	4·6	275	5·3	260	2·5	250	3·5	250	2·9	250	2·9	235	2·5	240	2·6	240	2·2	2·7	5
290	4·3	280	4·4	270	3·9	285	3·2	255	2·0	260	1·4	280	1·5	260	0·5	215	0·6	220	1·9	220	2·1	210	1·7	2·6	6
185	5·0	175	5·8	175	6·2	170	7·5	165	5·5	160	4·9	145	4·1	145	4·4	145	4·3	150	4·0	150	3·9	160	3·9	3·5	7
95	2·2	110	2·1	190	1·8	195	1·6	180	1·7	180	1·6	180	2·8	170	1·7	160	0·7	170	0·2	185	0·8	180	0·9	1·6	8
190	4·2	190	4·4	180	4·6	175	3·6	165	2·9	165	2·6	150	1·9	120	1·5	125	0·6	70	1·0	70	1·3	70	1·3	2·3	9
50	3·3	60	3·0	45	3·3	35	4·0	35	4·0	35	4·1	25	4·6	40	5·2	35	4·5	35	4·6	25	4·2	25	5·4	2·8	10
50	4·5	60	4·0	50	5·0	35	5·6	50	5·8	50	6·7	50	6·2	50	6·2	50	6·9	50	6·2	50	5·4	55	6·3	5·2	11
65	5·4	60	5·0	50	4·8	45	4·8	50	5·1	45	5·0	40	5·6	50	5·5	50	5·8	45	4·9	35	4·3	40	4·5	5·5	12
85	5·8	85	5·4	95	4·5	100	4·0	90	4·6	70	4·5	75	5·1	65	4·5	65	4·8	75	4·9	65	5·0	80	5·3	4·3	13
95	2·4	90	2·6	90	2·4	80	3·0	75	2·2	90	2·1	105	2·0	110	1·4	110	1·5	170	0·4	225	0·5	190	0·1	1·7	14
310	2·4	320	2·5	345	4·4	325	3·0	300	1·3	270	0·5	225	1·3	230	0·9	220	0·6	270	0·5	20	1·1	5	0·8	1·4	15
5	2·5	20	1·8	285	1·0	270	0·7	280	1·6	260	0·5	285	0·2	310	0·1	190	1·2	190	1·0	190	1·2	190	1·4	0·9	16
240	1·3	225	1·5	200	1·6	215	1·3	185	0·9	185	1·1	185	0·5	205	0·9	190	1·9	210	1·1	-	0·0	-	0·0	0·9	17
95	4·7	80	5·6	80	6·5	80	6·8	85	7·7	85	7·3	80	7·4	85	6·5	80	5·1	75	3·3	70	3·8	80	6·0	3·5	18
125	5·1	135	4·5	155	3·6	160	5·2	155	4·1	140	2·0	180	3·2	195	1·8	165	0·6	150	1·5	155	1·5	170	1·6	2·9	19
155	3·5	160	2·7	175	3·5	180	3·8	170	2·5	175	2·7	160	2·2	165	3·0	160	1·6	80	1·6	70	1·1	110	0·6	2·6	20
130	6·4	155	7·2	150	6·4	155	6·8	140	5·4	115	5·6	110	4·1	105	4·6	95	4·9	95	3·9	90	3·5	65	2·8	3·7	21
170	5·9	160	6·0	165	5·0	150	4·6	160	5·5	130	3·5	100	1·9	100	3·3	95	3·1	95	3·4	85	3·3	65	3·0	4·6	22
120	3·9	190	6·6	195	5·8	190	5·0	210	8·1	205	7·4	185	4·3	180	3·9	180	4·0	185	2·0	145	0·8	140	1·5	3·8	23
125	5·7	110	6·7	110	6·2	105	6·2	110	5·9	105	5·4	75	5·3	75	5·5	70	4·7	70	4·8	70	4·8	70	4·0	3·9	24
65	5·2	65	5·3	65	5·9	75	5·6	80	5·4	70	5·9	75	5·8	75	4·8	55	3·5	40	4·8	50	4·4	40	3·9	4·8	25
120	3·7	120	3·0	110	2·9	120	3·0	105	2·5	90	2·5	85	2·4	80	3·4	90	3·5	80	3·0	80	2·7	75	1·5	4·0	26
175	5·2	175	4·6	175	5·2	175	5·3	170	4·4	165	3·7	150	1·4	115	1·5	150	3·6	130	2·8	155	2·2	155	2·9	3·0	27
185	2·1	155	2·4	180	3·3	180	3·8	180	2·5	160	2·2	170	3·0	180	3·0	145	2·4	145	1·8	135	1·9	150	2·1	2·2	28
180	5·6	185	6·1	205	6·3	215	6·9	210	7·4	210	7·5	205	6·5	205	4·4	205	5·3	205	5·3	215	6·4	215	6·6	5·1	29
235	4·3	250	3·7	225	3·5	210	6·4	215	6·1	220	5·2	215	3·4	200	2·9	215	3·6	215	2·6	210	3·4	215	2·5	5·1	30
210	4·3	220	6·3	230	4·4	215	6·8	215	6·6	215	7·3	215	6·0	225	4·5	210	4·4	215	3·7	225	3·7	215	2·4	4·4	31
—	3·9	—	4·0	—	4·0	—	4·2	—	4·0	—	3·6	—	3·3	—	3·1	—	3·1	—	2·8	—	2·7	—	2·7	3·1	Mean

APRIL, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
165	3·8	180	4·5	185	6·2	180	5·6	185	5·0	190	5·1	195	5·8	195	4·6	190	4·2	185	3·5	180	3·4	180	2·8	3·1	1
360	4·1	360	4·9	20	3·9	30	3·8	30	3·2	35	3·4	45	2·5	55	2·7	60	3·3	70	2·8	85	3·5	90	3·8	3·2	2
70	8·7	75	9·1	65	7·9	65	8·5	70	7·9	70	8·8	55	8·9	55	8·8	50	8·4	50	7·9	50	8·4	45	8·2	7·1	3
55	9·3	45	9·1	50	10·0	45	9·8	45	8·5	45	9·1	40	8·0	35	7·6	35	7·0	35	6·5	35	5·9	30	5·0	7·8	4
40	5·7	35	6·1	35	5·9	35	6·0	35	6·6	50	6·4	35	6·5	45	6·8	50	7·4	45	6·8	45	6·8	45	6·6	5·9	5
25	3·5	20	3·5	25	2·9	25	2·3	5	3·3	10	3·2	10	1·8	340	1·0	305	0·2	310	0·4	315	0·6	305	0·2	3·3	6
25	6·3	35	6·5	25	6·3	20	6·8	20	6·0	20	5·9	20	6·0	220	5·9	30	6·9	30	6·2	30	4·8	35	3·6	4·9	7
45	4·3	55	5·0	40	5·0	50	7·0	45	7·8	40	7·8	45	8·0	40	5·3	40	5·0	40	5·1	45	5·0	40	5·5	5·1	8
45	6·9	50	6·6	55	8·0	75	7·3	70	7·5	80	7·0	65	4·6	50	5·2	50	5·4	50	6·3	55	7·5	55	6·5	6·4	9
35	5·0	30	5·0	40	5·2	40	4·4	30	5·2	80	5·0	85	4·7	65	1·8	20	0·3	10	2·8	10	3·3	5	2·6	4·4	10
335	6·3	360	6·9	350	5·1	340	6·3	360	4·4	335	3·1	340	2·0	360	3·9	360	4·5	355	3·3	345	2·5	330	2·8	4·3	11
20	2·7	50	5·1	30	2·8	70	3·8	360	0·7	55	2·2	45	1·0	350	0·8	5	2·9	5	2·5	320	1·4	305	1·0	2·1	12
160	1·8	215	2·2	185	3·2	180	1·5	85	0·9	30	0·9	65	1·2	60	1·5	110	2·4	45	1·8	15	1·5	5	1·8	1·8	13
25	4·0	20	3·2	20	3·6	20	3·2	15	2·5	10	3·7	20	4·2	15	2·5	10	1·5	20	2·7	15	2·9	360	2·1	2·4	14
345	5·5	350	6·0	355	4·8	360	4·2	355	4·4	355	4·0	355	3·0	355	2·7	350	2·2	350	2·5	355	3·0	360	2·7	2·8	15
340	2·2	360	3·9	350	2·5	320	2·9	330	3·0	350	3·2	330	2·9	15	4·4	15	3·2	350	1·8	360	1·6	355	2·5	3·0	16
345	7·0	320	6·5	335	6·6	330	6·5	320	6·3	335	5·1	330	4·5	320	3·5	310	4·3	325	4·2	330	2·8	320	2·5	4·3	17
315	5·2	300	5·5	300	6·5	295	6·1	300	6·4	295	3·8	290	2·9	265	2·5	265	2·7	265	3·0	260	3·0	260	2·9	2·9	18
315	4·8	310	5·2	310	5·5	320	4·8	315	4·8	290	3·5	295	2·0	270	0·7	315	1·0	335	1·6	260	1·3	260	1·0	3·0	19
90	3·2	25	4·9	25	6·5	20	7·5	20	6·4	20	6·0	15	3·9	360	1·5	320	1·9	320	1·6	290	1·3	260	1·2	3·6	20
150	7·6	135	6·8	150	6·3	125	7·7	115	5·7	95	6·4	90	7·0	85	7·4	80	8·2	80	8·9	75	7·8	55	5·8	4·7	21
360	7·3	355	5·6	345	5·8	30	6·7	20	4·7	315	2·8	310	2·4	305	1·9	280	1·9	275	2·4	275	1·5	270	2·1	5·9	22
245	3·8	235	4·5	220	5·3	220	5·0	215	5·8	190	5·0	200	4·9	180	3·4	175	3·5	175	4·9	175	4·8	155	3·5	3·2	23
280	4·9	275	5·6	265	5·3	265	5·5	265	5·2	265	5·4	260	2·3	230	1·7	220	3·6	220	5·0	220	5·0	220	4·0	4·1	24
230	7·7	225	7·6	215	8·8	215	8·6	215	7·9	215	7·5	215	6·9	210	7·4	215	7·0	210	7·5	215	6·5	215	7·1	6·7	25
280	8·7	225	4·5	300	2·9	230	2·5	195	1·5	220	2·3	270	3·1	270	3·0	265	2·8	270	2·5	280	2·5	285	1·7	3·1	26
335	3·9	350	5·1	290	4·5	320	5·0	335	5·0	320	5·0	345	3·5	35	3·6	350	1·3	325	1·4	325	1·0	320	1·2	3·1	27
55	1·3	315	2·2	270	2·0	215	1·8	150	1·3	210	2·1	285	2·0	295	2·3	285	1·6	315	1·0	240	0·9	90	0·4	1·2	28
340	2·4	5	4·2	360	4·6	5	5·0	10	4·9	360	4·7	360	3·0	350	3·2	355	4·0	355	3·3	355	4·5	355	4·3	2·6	29
15	4·2	20	3·7	10	3·6	15	4·2	20	5·0	25	6·2	20	7·3	35	6·0	30	5·0	35	4·8	35	3·8	30	2·5	4·4	30
—	4·9	—	5·3	—	5·3	—	5·3	—	4·9	—	4·8	—	4·2	—	3·8	—	3·8	—	3·8	—	3·6	—	3·3	4·0	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

WIND: DIRECTION AND SPEED

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

515 KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of vane of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	15	2·7	15	3·4	25	3·3	30	4·5	30	4·8	25	4·2	35	4·2	45	3·8	35	3·0	45	4·4	55	3·4	45	2·6
2	55	3·2	30	2·5	5	2·4	355	2·5	30	2·6	45	2·6	50	4·1	50	4·6	50	4·7	65	4·7	70	3·9	65	3·8
3	45	3·6	55	3·5	40	3·0	45	3·4	55	3·6	55	4·1	55	4·5	55	4·9	60	5·1	65	5·5	60	5·0	65	5·6
4	40	4·2	40	3·5	50	4·0	55	4·4	45	4·3	40	3·4	55	3·5	60	3·9	70	4·5	75	6·0	85	6·6	90	6·0
5	50	3·8	45	3·5	40	3·1	40	2·9	40	3·2	35	3·8	35	3·8	40	3·2	45	3·2	45	2·9	40	3·0	45	3·4
6	65	1·5	60	0·3	50	1·4	70	1·4	270	1·0	20	1·8	45	1·2	115	0·2	210	1·4	220	1·8	180	2·0	190	2·5
7	10	2·0	360	2·5	10	3·0	360	2·5	15	3·6	360	3·8	10	4·3	15	3·9	15	3·9	10	6·0	20	5·6	30	6·0
8	20	7·5	20	7·0	15	6·5	20	7·2	20	6·8	10	6·0	10	5·1	10	5·9	10	5·4	10	5·0	10	6·3	5	6·1
9	360	3·2	350	3·8	350	3·4	345	3·3	350	3·4	355	3·0	360	3·5	360	3·3	15	3·4	360	3·0	360	2·5	345	3·1
10	325	2·1	335	2·8	325	2·4	330	2·2	325	3·0	310	2·8	330	2·7	320	2·9	305	2·7	310	3·5	305	3·0	295	2·6
11	270	0·6	240	0·6	320	0·6	360	0·7	15	3·5	350	2·0	315	2·2	325	2·0	345	1·5	340	2·5	345	3·4	360	5·0
12	115	0·7	100	0·4	30	0·3	225	0·3	220	0·4	215	0·5	220	0·9	225	0·2	215	0·1	155	1·9	130	1·5	330	0·5
13	295	0·5	260	0·5	275	1·1	315	1·0	300	0·8	310	1·8	325	1·5	295	0·4	235	0·5	250	2·4	230	3·2	220	2·5
14	230	1·9	225	1·2	220	2·0	220	1·9	210	2·0	220	1·9	235	1·6	245	1·6	265	1·8	260	2·8	240	2·6	230	2·8
15	135	1·1	155	0·6	105	0·5	110	1·5	95	1·2	80	1·2	105	1·3	140	3·3	155	4·1	160	5·2	155	6·4	170	5·7
16	80	5·0	75	5·0	75	4·3	75	5·1	75	2·5	65	3·0	75	3·0	90	3·4	95	3·8	95	5·0	115	7·9	115	7·6
17	360	0·7	250	0·1	125	0·2	210	1·0	220	1·5	245	1·7	245	2·4	290	2·0	305	0·7	95	0·2	270	0·7	180	1·3
18	10	1·4	25	1·1	20	1·7	40	0·5	25	1·3	40	1·4	55	1·6	55	2·1	35	3·0	70	4·0	70	5·4	80	5·0
19	35	4·5	30	4·9	20	4·5	35	5·0	20	2·7	25	3·0	30	4·5	35	3·8	30	4·3	30	5·4	30	6·6	40	6·3
20	35	4·1	35	2·9	10	3·6	15	4·8	15	3·5	20	3·6	40	4·8	30	6·4	35	8·0	35	10·4	35	9·3	30	9·8
21	10	6·4	360	5·7	350	3·6	345	3·5	345	3·2	345	5·5	350	7·4	360	8·5	10	8·0	350	7·1	360	7·9	350	7·4
22	310	2·1	330	2·0	320	2·7	325	2·5	330	1·7	330	2·2	330	3·0	325	3·0	340	3·5	360	3·0	305	1·3	285	1·8
23	125	2·1	115	2·5	115	2·8	120	2·3	110	2·0	80	2·5	90	3·4	90	3·5	90	4·4	95	4·5	90	4·3	60	5·0
24	45	4·2	45	3·4	45	4·3	45	3·5	50	4·9	55	4·6	45	4·1	50	4·8	60	5·2	60	5·9	85	5·6	60	4·8
25	65	6·0	65	5·7	60	5·6	75	5·0	70	6·3	75	4·9	75	4·4	80	4·4	75	3·9	70	3·9	65	2·9	55	2·5
26	70	2·5	65	2·0	40	2·4	35	3·6	35	4·5	35	3·9	40	3·7	35	4·4	30	5·2	35	4·3	30	4·8	35	5·7
27	40	5·0	50	3·3	20	2·7	360	2·4	360	2·6	15	4·4	30	4·2	30	4·2	25	4·5	45	5·7	40	5·6	35	5·7
28	25	6·2	25	5·6	25	6·0	20	6·2	30	6·4	25	5·3	20	5·5	15	5·5	15	5·5	15	5·9	15	4·9	15	5·7
29	255	0·4	215	0·4	210	1·0	215	1·1	215	1·2	205	0·9	205	1·1	225	2·2	235	3·4	230	4·3	225	3·5	230	4·0
30	255	0·5	225	0·8	220	1·1	215	1·2	205	1·2	205	1·6	195	1·7	185	1·2	220	0·8	205	2·1	260	2·1	90	1·0
31	325	4·1	315	4·3	310	3·9	320	3·5	315	3·4	310	3·3	320	2·9	325	3·9	320	4·3	310	4·0	315	4·5	310	4·6
Mean	---	3·0	---	2·8	---	2·8	---	2·9	---	3·0	---	3·1	---	3·3	---	3·5	---	3·7	---	4·3	---	4·4	---	4·4

516 KEW OBSERVATORY: H_a = 5 metres + 23 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	210	1·1	210	1·3	210	0·7	205	1·3	210	1·1	230	1·2	225	0·2	245	0·2	200	1·0	225	1·6	220	3·0	215	2·2
2	140	1·8	150	2·0	140	2·5	140	2·5	120	3·0	110	2·6	100	3·5	105	3·8	140	5·2	160	6·0	150	6·9	145	6·8
3	40	0·2	100	2·1	100	1·6	75	1·2	90	0·9	100	2·0	120	2·2	150	2·2	125	2·6	150	2·8	195	3·8	205	3·4
4	260	1·0	205	0·5	255	1·2	270	0·9	255	0·5	280	1·0	310	2·0	300	2·3	295	2·5	305	3·0	305	3·5	315	3·0
5	335	3·9	325	4·1	320	4·5	325	4·1	320	4·4	320	4·8	340	6·2	350	7·6	360	8·3	350	7·5	345	7·3	345	7·8
6	295	2·3	295	1·3	295	1·7	270	1·2	230	1·3	240	1·2	230	1·4	250	2·0	245	1·5	265	2·5	265	3·5	275	4·1
7	235	2·6	235	2·2	215	1·5	215	2·1	215	1·8	210	1·9	225	2·0	215	1·3	230	1·9	330	2·4	15	1·9	45	1·6
8	305	0·2	360	1·5	5	1·0	345	1·0	350	0·5	360	0·2	350	0·5	20	0·6	275	1·2	270	1·5	260	1·9	275	2·1
9	215	0·3	240	0·7	345	1·1	235	1·0	230	1·0	210	1·0	225	1·0	230	1·4	250	2·0	240	2·1	250	3·1	260	3·7
10	235	1·5	225	1·7	220	1·9	230	2·0	235	2·5	250	2·9	250	2·8	240	2·5	245	2·6	225	1·7	175	1·6	310	1·8
11	30	3·1	30	3·0	20	2·6	25	2·4	10	1·9	5	1·9	15	2·4	75	1·6	95	1·6	95	1·5	100	1·7	185	2·1
12	205	3·4	215	3·7	220	3·2	215	2·5	205	2·9	210	3·0	210	2·6	245	1·6	240	2·2	235	2·8	235	2·8	220	3·0
13	205	1·2	175	1·3	170	0·8	200	1·0	210	1·5	235	0·6	235	0·8	240	0·9	235	0·2	350	0·4	250	0·3	210	1·4
14	290	2·2	290	2·1	290	2·0	290	2·6	295	1·8	280	1·1	290	2·0	260	1·3	220	1·5	235	2·0	225	3·2	235	3·8
15	200	5·6	205	4·8	215	3·6	235	3·5	235	3·5	235	3·9	235	4·9	225	5·1	220	5·5	215	5·6	230	7·0	225	8·3
16	210	2·9	210	3·2	200	2·7	195	3·0	195	4·3	195	3·9	205	4·6	205	6·1	215	6·4	200	6·5	200	6·6	210	6·8
17	90	0·5	350	0·3	330	0·5	5	0·8	150	0·6	105	0·7	95	1·8	155	3·6	185	4·8	190	4·7	180	5·5	175	5·0
18	185	0·2	170	1·9	315	0·4	15	0·9	70	0·6	170	0·4	360	0·2	195	1·2	50	1·8	35	1·4	35	1·8	60	1·7
19	40	3·0	100	2·4	345	1·6	35	3·8	45	3·7	40	2·9	35	3·1	45	3·2	35	3·7	80	5·3	55	3·3	30	2·0
20	45	3·5	50	2·4	40	3·0	50	2·5	80	1·9	50	0·7	5	0·3	60	1·5	65	0·7	70	1·0	65	2·6	65	2·9
21	40	2·2	40	1·1	55	2·8	80	0·9	50	0·9	60	2·2	65	3·0	85	0·5	50	1·2	150	4·1	215	1·9	190	1·6
22	190	1·7	170	1·3	165	0·4	185	1·5	185	1·6	180	2·1	190	1·5	220	1·1	215	3·7	210	4·5	225	4·7	215	5·1
23	225	2·1	145	0·3	20	0·2	290	0·3	290	0·1	-	0·0	315	0·1	255	0·5	275	0·8	255	1·2	210	1·9	220	2·4
24	270	0·5	265	1·4	245	0·8	245	1·2	250	0·7	300	0·3	330	1·0	10	1·2	25	2·4	350	1·8	330	1·4	315	2·0
25	325	0·7	325	1·1	335	1·2	330	0·5	335	0·3	-	0·0	5	0·6	5	1·6	360	2·5	325	2·4	335	2·9	330	3·0
26	90	2·2	85	2·0	95	1·5	130	1·7	160	0·6	140	0·8	105	1·2	140	1·4	80	3·6	70	3·8	85	3·3	90	1·8
27	180	0·8	250	0·6	175	0·2	230	1·8	265	1·2	180	1·1	275	2·0	285	1·2	275	1·6	265	0·8	45	0·8	90	0·5
28	175	1·5	200	0·9	170	0·1	170	0·3	170	1·7	175	2·6	180	2·5	175	2·4	195	2·4	170	2·8	160	2·3	160	2·0
29	60	3·9	65	4·4	60	4·2	40	3·3	35	2·4	20	2·4	30	2·5	60	4·0	65	4·0	30	4·1	30	2·5	5	1·8
30	205	3·4	190	3·3	195	2·9	190	3·6	190	3·3	190	3·9	185	4·8	190	5·1	170	4·5	170	6·0	160	5·7	170	4·7
Mean	---	2·0	---	2·0	---	1·7	---	1·8	---	1·7	---	1·8	---	2·1	---	2·3	---	2·8	---	3·1	---	3·3	---	3·3
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 5 metres + 23 metres

MAY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
55	2·9	75	4·7	90	3·9	60	4·2	90	4·7	100	3·3	90	3·7	90	4·0	105	3·0	95	3·0	95	3·0	70	2·8	3·6	1
70	5·0	85	4·4	55	3·9	55	3·9	60	4·4	55	4·5	90	5·4	95	4·3	95	4·3	85	5·4	80	3·9	75	5·7	4·0	2
65	5·8	45	6·3	45	5·0	45	4·7	55	5·6	70	5·2	75	6·4	70	5·0	50	5·0	50	4·9	50	4·5	45	4·3	4·8	3
70	5·7	50	4·9	80	5·5	85	6·0	80	7·0	85	6·6	85	5·9	85	5·0	85	4·0	75	3·5	75	5·0	70	3·9	4·9	4
80	6·0	85	6·0	80	6·1	90	6·5	90	6·2	75	5·3	85	5·2	85	4·5	85	3·2	80	4·7	75	4·5	80	2·0	4·2	5
220	2·6	210	1·9	220	2·8	235	3·3	230	2·8	245	2·8	270	3·2	270	1·0	310	1·6	310	1·0	350	0·8	5	1·8	1·8	6
15	5·8	15	5·9	355	6·8	355	6·1	360	6·0	355	6·3	10	6·3	10	5·7	35	6·5	30	6·8	30	7·0	20	7·1	5·1	7
360	6·0	360	6·1	360	6·6	10	6·4	5	5·6	360	6·0	5	5·0	360	6·0	10	5·5	10	6·0	25	5·0	5	5·3	6·0	8
330	3·5	320	3·8	335	3·6	335	4·1	325	3·5	330	3·3	325	3·0	345	2·7	345	2·6	330	1·9	320	2·1	330	2·5	3·1	9
310	3·4	335	4·4	355	3·2	350	4·0	360	3·1	330	2·1	300	1·6	320	1·4	360	3·9	10	4·3	350	1·6	280	0·5	2·8	10
10	5·1	5	4·1	25	3·3	15	3·2	25	2·8	25	3·0	75	3·5	130	1·5	85	1·3	95	1·6	80	1·7	120	0·8	2·4	11
35	0·5	360	0·6	30	1·5	135	1·2	205	1·3	215	1·4	225	1·1	275	1·2	300	1·0	310	0·7	305	0·5	300	0·7	0·8	12
215	2·3	225	3·5	245	3·5	250	3·0	260	3·0	270	3·2	235	4·9	240	3·6	240	2·5	235	1·9	210	1·5	240	1·0	2·1	13
220	3·0	225	2·5	225	2·0	215	2·5	190	2·8	185	3·6	200	3·9	200	3·4	205	2·1	190	1·2	175	0·7	165	2·0	2·2	14
185	5·6	185	5·3	175	5·5	150	5·0	140	5·5	145	4·3	120	4·0	85	4·5	85	5·4	80	5·8	75	4·5	80	5·5	3·9	15
110	6·7	80	7·6	70	7·3	75	7·3	65	6·6	65	5·7	65	5·3	65	4·3	105	2·5	60	0·9	70	2·2	80	1·5	4·7	16
90	1·9	45	2·8	80	4·1	90	6·4	95	5·2	345	1·4	20	1·2	30	2·5	35	1·0	10	0·1	310	0·1	340	0·7	3·3	17
75	5·6	75	7·2	65	7·6	70	7·9	75	8·1	75	6·9	60	6·0	45	5·9	40	6·2	35	5·8	40	4·3	35	5·2	4·4	18
65	7·1	40	7·3	50	7·1	55	6·6	40	6·4	40	7·0	40	7·2	50	6·5	45	7·1	25	5·0	20	6·0	20	4·8	5·6	19
20	9·4	25	9·4	20	10·0	25	9·8	20	9·4	20	8·9	20	8·9	20	8·8	20	8·8	20	6·2	20	8·3	15	5·9	7·3	20
360	8·6	15	8·3	360	6·8	360	7·5	360	5·8	350	5·9	350	5·6	5	4·9	5	3·2	350	2·2	345	2·2	325	1·7	5·7	21
360	1·2	265	2·0	240	2·5	220	1·5	225	1·6	180	3·6	180	3·9	170	3·9	170	3 6	160	3·6	160	3·5	150	4·2	2·7	22
75	5·8	65	6·5	55	6·2	45	5·6	35	5·2	35	5·5	55	5·8	55	5·5	75	5·8	70	4·9	50	3·7	50	4·5	4·3	23
75	4·4	55	3·9	75	3·3	40	6·1	60	6·0	45	6·0	45	5·4	45	5·3	40	4·4	50	5·2	50	5·0	55	4·5	4·8	24
95	1·6	70	2·5	65	2·4	75	3·6	100	2·9	95	3·5	70	3·5	80	4·0	75	3·9	70	3·6	75	3·6	70	3·3	3·9	25
30	4·8	35	4·5	25	5·9	30	6·1	25	6·2	25	5·8	20	5·9	15	5·4	30	4·9	35	5·7	40	5·9	35	5·0	4·7	26
30	5·0	35	4·0	20	6·1	10	6·8	355	6·7	360	6·9	5	6·8	15	7·9	10	6·9	5	6·0	20	5·8	15	7·1	5·3	27
10	5·8	5	5·1	5	5·1	360	5·0	360	4·8	20	3·8	15	3·6	360	3·7	5	3·0	355	3·0	350	1·5	315	0·6	4·7	28
245	4·8	265	4·3	250	3·9	265	3·5	295	3·3	310	4·3	295	3·2	290	1·8	290	1·2	255	0·6	270	1·6	255	1·2	2·4	29
225	2·4	265	4·1	280	5·0	300	3·3	295	2·0	240	2·3	315	4·4	335	6·3	335	7·4	335	5·9	340	6·1	340	6·3	2·9	30
295	4·5	275	4·5	310	4·0	295	3·7	315	3·5	315	2·9	320	2·1	285	1·7	245	2·6	220	1·9	270	2·2	230	0·5	3·4	31
—	4·6	—	4·8	—	4·9	—	5·0	—	4·8	—	4·6	—	4·6	—	4·3	—	4·0	—	3·7	—	3·5	—	3·3	3·9	

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°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
205	3·0	200	3·4	205	3·9	260	3·6	215	5·9	235	3·5	185	2·5	205	4·9	210	1·4	150	1·4	150	2·0	155	2·7	2·2	1
155	6·1	155	3·8	120	3·4	135	5·1	155	5·8	160	4·7	145	4·8	165	3·4	165	2·5	150	2·2	150	3·2	190	2·9	3·9	2
205	3·9	225	3·4	230	4·1	265	4·3	230	2·3	245	3·2	225	2·5	230	1·9	280	1·5	280	1·5	280	2·5	270	1·4	2·4	3
305	2·8	360	2·3	55	1·7	160	1·2	265	1·6	360	5·4	360	4·5	350	5·2	350	3·8	350	4·2	340	3·1	315	2·2	2·5	4
350	10·2	345	8·8	355	8·4	350	9·0	350	8·8	360	8·2	345	7·0	360	6·0	360	4·9	360	3·0	330	2·0	310	1·8	6·2	5
260	3·3	245	4·3	245	4·8	245	4·9	250	4·7	245	4·1	230	3·3	235	3·4	240	3·5	230	2·6	225	2·1	225	2·5	2·8	6
330	1·2	315	1·6	265	1·0	270	2·0	290	2·4	310	2·4	265	2·2	235	1·4	205	1·0	210	0·9	215	0·3	225	0·1	1·7	7
255	2·7	270	3·5	265	4·1	250	3·3	265	3·1	275	3·3	265	2·4	280	2·9	270	3·2	265	1·3	245	0·9	230	0·4	1·8	8
260	3·7	265	3·9	265	4·2	270	3·9	275	2·8	295	3·3	320	3·1	280	2·2	260	2·0	255	2·2	235	1·5	240	1·4	2·2	9
315	2·6	310	4·4	305	2·8	310	2·1	10	3·0	30	3·2	30	5·5	30	4·7	20	4·0	15	3·7	20	3·2	25	4·5	2·9	10
215	3·7	215	3·3	235	3·3	215	3·3	215	3·4	205	3·5	210	2·8	215	3·7	200	3·9	195	2·9	205	3·4	200	2·9	2·7	11
230	2·9	240	2·1	220	2·6	240	2·5	235	1·4	230	2·2	215	3·6	215	2·0	215	1·5	210	1·2	210	1·3	195	1·5	2·4	12
230	3·5	230	3·4	225	3·4	215	4·3	230	4·4	255	3·1	260	3·0	250	2·2	235	2·4	255	3·0	275	3·9	290	3·0	2·1	13
220	5·1	230	5·4	230	4·9	210	6·4	215	6·5	215	5·9	205	6·7	205	5·5	200	5·5	195	6·1	200	6·1	195	5·6	4·0	14
235	7·3	235	8·0	245	6·5	245	6·7	250	5·9	240	6·0	235	5·5	225	4·9	230	3·9	225	3·6	220	2·8	210	2·8	5·2	15
200	6·7	190	6·0	195	6·3	185	6·0	190	6·0	195	6·4	190	6·4	190	4·2	175	3·2	155	2·8	150	2·4	135	0·8	4·8	16
180	4·5	175	4·4	200	3·8	190	3·7	200	3·7	200	3·6	210	3·2	175	4·0	200	1·5	200	0·8	220	0·2	195	0·4	2·6	17
260	0·2	30	1·7	40	2·7	70	4·3	65	4·7	65	5·0	70	5·1	75	5·6	50	2·8	55	3·7	30	2·9	25	2·6	2·2	18
35	3·2	95	2·9	340	1·2	355	2·7	55	3·4	65	3·8	65	4·1	70	3·3	70	5·7	125	6·3	345	3·4	30	2·0	3·3	19
90	2·9	100	4·6	90	5·2	65	6·8	70	5·9	75	4·9	75	4·2	65	3·3	55	3·2	65	4·9	105	3·7	90	2·3	3·1	20
170	3·8	155	4·9	185	4·4	240	1·1	220	3·9	210	3·8	215	3·2	200	5·7	190	2·2	255	1·7	195	2·0	165	0·7	2·5	21
225	4·3	225	5·0	230	5·1	220	5·3	230	4·9	225	3·7	215	4·0	205	3·8	205	0·5	-	0·0	180	0·3	220	1·3	2·8	22
250	2·3	255	2·9	255	2·8	260	3·2	265	3·3	270	3·1	300	3·4	315	3·5	320	2·2	305	1·8	330	1·6	320	0·8	1·7	23
295	2·4	295	2·7	320	2·2	310	3·3	310	2·9	310	3·2	310	3·9	320	3·1	325	2·3	345	1·5	15	1·0	355	1·2	1·9	24
320	3·0	300	3·2	330	3·4	310	3·3	345	3·2	25	2·8	80	4·8	85	4·9	80	3·4	75	3·9	50	3·5	40	3·1	2·5	25
85	1·2	100	1·8	160	1·7	140	0·7	160	1·7	185	1·8	205	2·4	215	1·0	205	0·7	215	0·2	230	0·7	215	1·3	1·6	26
230	1·3	200	1·1	155	1·3	130	1·5	135	3·2	170	4·4	175	4·2	180	3·9	180	2·5	185	2·2	185	2·0	175	1·6	1·7	27
160	2·5	195	1·6	205	1·0	160	2·1	120	2·9	145	2·8	120	2·7	80	4·1	75	4·7	75	5·0	70	5·6	70	4·3	2·5	28
350	1·5	340	1·2	395	0·8	265	0·7	225	1·9	220	2·3	245	2·0	230	1·2	225	0·2	165	0·8	185	2·0	200	2·9	2·4	29
170	4·6	180	6·9	180	6·3	180	6·1	170	6·5	170	5·0	180	3·8	145	3·5	145	3·2	150	2·7	130	2·0	160	3·2	4·4	30
—	3·5	—	3·7	—	3·6	—	3·8	—	4·0	—	4·0	—	3·9	—	3·6	—	2·8	—	2·6	—	2·4	—	2·1	2·8	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

517 KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of vane of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	165	2·4	170	2·2	165	1·2	170	1·9	185	2·7	190	2·0	200	2·2	200	2·7	195	3·0	190	2·8	175	3·4	185	4·9
2	165	3·9	160	3·6	165	3·1	150	2·4	180	3·6	180	3·9	180	4·7	175	5·0	180	5·8	180	5·6	185	5·9	190	6·8
3	220	3·0	220	3·9	215	5·0	215	5·0	220	3·9	215	4·5	215	5·0	220	5·2	215	5·0	220	5·9	235	4·1	210	3·2
4	240	3·1	245	2·8	250	3·2	250	3·6	250	3·8	245	2·7	245	2·8	240	2·3	230	2·3	220	3·9	235	4·1	215	5·9
5	220	3·1	215	3·2	220	3·1	215	2·8	215	3·1	220	3·3	215	3·8	225	3·7	230	3·8	220	4·0	240	3·8	240	3·9
6	200	1·4	195	1·5	225	1·8	230	1·7	250	1·2	260	0·6	240	0·7	185	1·0	200	1·5	115	0·6	145	1·6	185	2·4
7	185	2·4	195	2·8	210	1·7	225	2·0	230	2·0	235	0·6	220	0·3	270	0·8	290	0·7	175	0·7	135	1·4	160	2·5
8	235	4·5	245	4·2	235	3·7	235	3·2	225	3·5	235	4·0	235	5·0	240	5·1	240	4·1	240	4·9	250	4·5	245	5·0
9	195	1·2	180	1·8	135	0·7	110	0·1	-	0·0	-	0·0	315	0·7	320	1·0	25	1·0	225	2·5	260	1·8	270	2·8
10	260	2·7	240	3·1	230	2·2	220	1·8	230	2·3	245	2·4	240	2·2	270	2·0	275	3·0	275	2·2	290	2·8	290	2·7
11	235	2·5	245	2·3	225	2·2	250	2·4	250	2·5	245	1·8	260	2·7	270	4·0	260	3·3	265	4·3	255	5·8	255	5·6
12	225	2·6	230	3·1	225	3·1	230	3·4	230	3·5	230	4·7	230	4·9	225	4·7	225	4·0	220	6·5	235	5·3	220	8·6
13	210	7·2	215	6·3	215	6·3	215	6·2	230	5·7	235	5·0	240	5·0	240	5·2	235	6·6	250	6·6	240	6·3	255	6·8
14	225	4·6	230	5·0	225	4·9	225	4·3	225	4·0	230	4·7	235	5·4	235	5·6	235	5·1	230	5·3	225	5·7	220	7·5
15	140	2·0	95	2·5	80	3·5	65	4·8	80	6·7	100	5·2	95	3·9	10	4·8	340	7·3	325	6·3	310	5·0	285	4·8
16	235	3·4	235	2·8	230	3·8	225	3·5	225	3·4	225	3·5	245	4·4	230	3·7	245	4·5	255	5·0	255	4·3	250	4·0
17	160	0·4	135	0·1	140	0·8	115	1·0	90	0·5	105	1·4	140	2·7	150	3·0	150	2·8	130	3·3	95	2·6	110	4·8
18	185	6·5	175	6·3	175	4·7	160	3·3	165	7·0	165	7·8	165	8·3	165	8·5	175	9·9	165	10·0	165	9·9	170	11·5
19	180	6·9	180	7·2	185	7·2	185	7·2	185	7·1	190	7·0	195	6·5	205	6·7	210	7·3	235	7·0	240	7·2	235	7·0
20	215	3·8	215	3·8	215	3·9	220	3·6	220	3·7	215	3·4	225	3·9	225	4·8	225	5·0	230	5·8	235	5·8	235	6·1
21	270	1·6	275	2·4	245	1·6	225	2·0	225	2·3	250	2·2	265	2·0	265	2·5	265	3·2	270	3·0	255	2·6	260	3·1
22	265	1·4	260	1·0	245	0·6	235	1·0	245	0·3	250	0·4	270	0·2	215	0·2	360	0·1	230	1·0	200	1·2	200	1·1
23	160	2·1	140	2·3	160	2·7	155	2·4	135	2·4	120	2·6	145	2·9	160	4·8	165	5·9	170	6·4	175	7·4	175	8·0
24	210	5·6	210	6·3	205	5·2	200	5·7	195	5·7	190	6·0	200	6·3	210	7·2	210	8·7	210	7·9	215	8·5	215	9·3
25	200	4·6	205	3·4	210	3·1	205	3·5	200	3·7	195	3·5	210	4·5	215	5·3	220	6·3	225	5·3	205	6·2	195	5·1
26	210	2·2	220	2·5	220	2·8	215	2·7	215	2·5	215	3·2	225	3·6	220	4·1	230	4·5	230	4·6	225	4·9	225	4·7
27	210	1·4	220	1·4	215	1·9	225	1·6	230	0·7	215	0·2	205	0·6	205	0·6	215	2·5	215	3·5	225	3·4	200	3·9
28	135	0·2	115	0·2	80	0·8	70	1·5	35	1·3	90	2·9	135	2·8	120	2·2	120	2·3	130	2·6	115	2·4	100	2·5
29	330	1·2	335	1·5	330	2·3	325	1·9	315	2·2	320	2·7	325	2·8	325	3·1	335	3·1	355	4·7	350	4·2	330	4·4
30	345	1·4	270	0·4	265	0·2	220	0·3	230	1·0	230	0·9	240	1·1	255	2·0	295	2·2	320	2·3	300	2·0	255	2·3
31	225	3·0	220	3·0	225	3·4	215	4·4	220	4·8	210	4·7	215	5·0	215	5·4	210	5·4	215	6·6	225	6·0	225	6·5
Mean	---	3·0	---	3·0	---	2·9	---	2·9	---	3·1	---	3·2	---	3·4	---	3·8	---	4·2	---	4·6	---	4·5	---	5·1

518 KEW OBSERVATORY: H_a = 5 metres + 23 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	225	1·8	260	1·6	270	1·8	280	1·4	260	0·4	275	0·3	295	0·9	330	1·4	350	1·4	65	0·3	100	0·2	305	0·6
2	215	2·0	215	1·6	215	1·9	230	2·5	220	3·0	215	2·7	205	3·9	200	3·9	215	6·0	210	6·9	210	7·2	210	7·1
3	245	2·7	245	3·1	250	3·2	250	3·0	250	3·3	250	2·7	245	3·4	250	3·6	255	4·8	270	5·5	265	5·2	265	6·0
4	250	3·0	250	3·0	245	3·0	240	3·2	245	3·6	235	2·9	255	3·7	270	4·0	280	3·9	280	4·3	295	3·8	290	4·3
5	250	2·5	240	2·2	220	1·8	245	1·8	235	1·5	235	1·9	215	2·4	250	2·5	270	2·5	270	2·9	255	3·0	250	2·2
6	180	1·9	175	2·5	155	2·2	155	2·4	165	2·5	185	2·7	195	3·2	210	4·2	220	5·2	220	5·5	210	5·3	210	6·4
7	215	2·3	230	2·3	245	1·7	270	1·9	320	3·0	340	5·5	325	3·6	340	5·2	340	5·6	350	5·1	350	5·7	350	5·0
8	10	2·9	40	2·5	20	1·7	20	1·7	10	1·2	325	2·1	340	1·5	15	1·0	315	0·7	40	1·1	100	1·5	130	1·8
9	-	0·0	-	0·0	120	0·1	285	0·2	350	0·2	220	0·2	290	0·2	315	0·2	90	0·2	310	0·1	65	1·6	70	1·2
10	55	0·5	360	0·5	360	0·2	355	0·5	345	0·6	360	0·5	35	1·2	55	2·0	30	1·4	55	3·1	70	3·7	80	4·0
11	85	3·8	55	2·2	15	1·0	15	1·6	20	2·3	350	1·3	345	1·4	350	1·4	10	2·9	15	3·0	20	4·1	15	3·3
12	255	2·8	230	2·1	225	2·0	225	2·4	225	2·4	225	2·4	230	2·9	235	3·3	215	2·5	215	1·9	235	2·6	250	2·7
13	245	1·3	225	1·5	215	1·9	235	1·4	260	1·8	240	1·8	235	1·4	230	1·8	250	1·9	245	3·0	240	2·9	245	3·2
14	185	1·6	200	1·2	180	1·1	195	1·0	200	1·0	210	2·4	205	2·8	210	3·6	215	3·9	215	5·1	210	5·9	205	5·0
15	190	1·0	200	1·2	220	0·8	210	0·4	180	0·4	245	0·3	240	0·2	-	0·0	265	0·1	205	0·6	195	1·4	185	2·0
16	220	0·1	240	0·1	190	0·5	215	0·5	235	0·4	280	0·2	265	0·1	195	0·1	220	0·1	235	0·7	245	1·2	235	1·4
17	220	1·2	225	1·3	220	1·2	225	1·0	240	1·0	245	0·9	225	0·9	205	1·0	220	1·9	225	2·8	240	2·1	220	3·8
18	230	2·8	215	2·0	220	2·6	225	2·0	205	1·9	215	1·8	230	1·5	245	1·4	240	0·9	245	2·2	230	2·2	250	2·7
19	295	0·2	300	0·1	305	0·3	320	0·1	230	0·9	225	0·6	220	1·0	210	2·0	205	3·5	210	4·6	210	4·9	215	5·1
20	215	2·3	235	1·0	255	0·6	255	1·7	240	1·0	210	1·0	210	1·5	225	1·9	235	1·9	230	2·1	255	2·5	265	2·8
21	220	1·3	220	1·9	220	1·2	220	1·4	215	1·9	225	1·9	235	2·5	245	2·3	265	2·7	275	2·6	305	2·3	310	1·8
22	320	1·1	280	0·8	270	0·8	270	0·8	265	1·0	265	0·8	240	0·9	285	0·7	310	0·6	325	2·2	315	2·7	315	3·3
23	280	0·3	275	0·2	240	0·4	235	0·5	225	0·1	220	1·2	235	0·2	220	0·1	185	0·1	200	0·4	220	1·9	260	2·8
24	210	1·2	215	1·3	225	1·3	230	1·5	230	1·5	215	2·0	255	0·9	265	1·0	250	1·1	235	2·1	255	1·6	190	1·0
25	-	0·0	200	0·9	270	0·1	335	0·2	235	0·3	230	0·1	-	0·0	-	0·0	210	0·1	10	1·8	15	2·6	345	2·5
26	75	3·7	85	2·7	65	2·9	60	3·2	65	4·2	70	5·3	75	5·0	65	4·5	60	5·0	50	3·8	45	4·0	55	4·7
27	60	3·4	50	2·8	55	2·4	55	1·9	35	1·7	10	1·8	10	1·6	55	2·5	55	3·4	70	5·9	65	6·2	70	6·0
28	25	2·1	5	1·6	10	0·9	40	1·0	50	1·6	50	1·8	45	1·1	35	1·8	40	1·8	45	2·0	50	2·5	65	3·1
29	320	0·1	-	0·0	-	0·0	195	0·2	200	0·5	220	0·7	225	0·1	200	0·1	195	0·3	175	0·6	195	0·3	210	0·4
30	215	1·5	205	1·7	230	0·9	215	1·5	225	0·4	210	0·5	235	0·7	235	1·2	245	1·9	275	1·9	255	2·6	255	2·7
31	290	2·2	265	1·9	255	1·4	265	1·0	290	2·0	320	3·3	320	2·3	320	3·1	320	3·7	295	3·2	295	2·9	320	2·8
Mean	---	1·7	---	1·5	---	1·4	---	1·4	---	1·5	---	1·7	---	1·7	---	2·0	---	2·3	---	2·8	---	3·1	---	3·2
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 5 metres + 23 metres

JULY, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
195	4·1	185	6·6	190	6·5	190	6·8	195	7·0	190	5·8	190	6·3	185	5·7	170	3·5	155	3·5	140	3·8	150	4·5	4·0	1
185	6·6	185	7·5	205	6·7	200	6·8	205	7·0	205	5·2	200	5·0	200	4·5	205	3·9	215	4·3	220	3·9	220	3·6	5·0	2
205	3·2	190	4·4	195	5·5	195	4·2	180	3·9	185	3·3	200	1·5	240	1·9	195	1·7	200	1·7	205	2·2	220	3·2	3·8	3
210	6·1	210	7·5	205	6·2	200	6·6	210	6·7	210	5·8	210	4·4	205	4·6	210	4·1	215	4·5	215	4·6	210	4·0	4·4	4
265	3·3	245	3·2	250	3·2	220	4·3	220	4·0	230	3·4	220	3·9	210	3·6	205	4·0	205	3·2	220	3·1	230	2·2	3·5	5
155	3·7	180	4·1	180	4·3	190	4·9	200	5·0	195	4·3	215	4·3	195	3·0	185	1·9	180	2·2	195	2·3	195	2·4	2·4	6
170	3·2	180	3·8	170	4·5	180	5·4	150	4·9	215	4·5	230	5·6	230	5·2	245	5·1	235	4·6	230	3·7	240	4·5	3·0	7
235	4·8	205	5·7	195	6·7	235	7·3	245	2·9	215	3·5	205	4·0	205	4·0	210	2·8	200	2·8	195	1·8	210	1·9	4·2	8
260	2·7	260	3·6	270	3·5	265	4·2	255	3·0	260	2·4	270	2·7	255	2·5	255	2·0	245	2·6	245	3·0	250	3·2	2·0	9
255	1·9	245	2·5	235	2·9	250	3·0	290	4·3	335	4·4	330	2·2	305	1·5	270	0·9	285	1·5	235	1·6	225	2·0	2·4	10
255	5·3	265	4·1	255	5·0	260	4·5	255	4·0	245	4·4	240	5·0	245	3·8	235	3·8	235	3·0	235	3·7	235	3·4	3·7	11
215	8·1	215	8·2	195	7·8	180	5·7	180	6·0	195	5·8	195	5·9	210	6·8	210	6·7	205	6·8	215	7·5	210	7·5	5·7	12
250	7·7	255	6·0	255	6·3	255	6·7	250	7·6	255	7·8	250	7·4	245	7·1	230	5·4	235	5·8	230	4·6	225	5·0	6·3	13
220	9·0	215	8·9	210	7·9	210	8·9	215	7·8	215	7·0	215	5·6	200	3·9	195	4·9	190	2·8	165	1·8	155	2·4	5·5	14
290	4·2	265	5·1	250	5·9	245	5·5	245	5·5	245	5·4	255	4·6	230	3·9	235	3·0	225	3·0	225	2·8	235	3·5	4·5	15
265	3·9	250	3·8	235	4·1	220	5·9	215	5·8	220	5·4	215	4·5	200	3·5	210	2·8	195	1·4	180	0·8	160	1·0	3·7	16
120	4·7	100	4·4	85	4·2	85	3·9	80	3·8	85	4·0	95	3·2	155	4·5	150	2·6	140	2·5	155	3·4	175	5·8	2·9	17
170	11·9	175	11·6	170	11·7	170	12·4	170	11·0	165	11·6	170	11·1	165	9·3	155	7·3	160	6·6	175	6·8	175	6·0	8·8	18
240	6·5	250	5·4	225	6·6	240	5·5	220	5·3	235	4·8	220	2·8	210	4·6	215	4·4	215	4·1	215	4·2	215	4·5	6·0	19
240	5·0	235	4·7	230	4·5	235	4·8	235	3·2	235	3·3	260	2·6	290	2·5	275	1·9	270	1·8	270	1·2	270	1·5	3·8	20
265	2·9	250	2·7	275	3·7	225	1·4	265	2·9	290	3·3	280	2·8	255	1·8	255	2·4	265	2·2	260	2·4	270	1·7	2·4	21
350	1·6	205	1·4	360	0·8	240	1·6	225	2·1	220	2·3	220	2·5	190	1·9	170	1·8	180	2·3	175	1·9	160	2·0	1·3	22
175	7·3	180	7·7	180	8·2	180	7·3	180	7·3	195	7·2	210	7·7	205	6·9	210	6·5	210	7·5	210	5·3	215	5·3	5·6	23
215	10·0	215	10·6	215	11·4	215	11·0	215	9·9	215	9·5	210	9·0	210	6·2	205	4·6	200	4·7	210	3·7	195	3·9	7·4	24
235	5·1	220	8·5	230	8·2	260	3·6	230	3·4	215	4·7	225	3·5	225	3·0	225	3·1	225	3·4	225	2·9	220	2·3	4·4	25
235	3·9	195	3·0	220	5·0	240	4·2	230	3·6	195	2·5	205	4·4	215	3·5	215	3·3	220	2·3	230	1·5	215	2·4	3·4	26
210	4·0	205	4·3	210	5·5	205	4·8	210	4·8	200	4·5	185	3·2	185	3·0	190	2·0	205	1·2	200	1·2	230	0·7	2·5	27
190	3·2	260	1·5	50	1·5	50	1·2	45	1·6	35	2·0	15	3·5	15	2·0	360	0·9	335	0·5	335	1·0	340	1·0	1·7	28
360	4·9	355	6·0	355	5·0	350	4·8	25	4·5	360	4·6	360	3·9	350	3·6	355	2·8	355	2·0	335	1·4	340	1·4	3·3	29
280	3·1	275	3·8	280	3·9	280	4·3	280	3·3	295	2·8	255	1·3	240	2·0	255	2·0	255	2·5	255	2·8	240	2·6	2·1	30
225	5·7	225	4·8	235	3·8	220	4·2	235	4·4	235	3·6	240	3·6	240	2·5	245	2·8	245	2·0	235	1·9	230	1·9	4·1	31
---	5·1	---	5·3	---	5·5	---	5·3	---	5·0	---	4·8	---	4·5	---	4·0	---	3·4	---	3·2	---	3·0	---	3·1	4·0	

AUGUST, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
310	1·9	320	1·8	295	1·0	320	2·9	320	2·3	315	1·8	290	2·2	270	1·2	285	1·2	300	1·0	230	0·4	225	0·9	1·3	1
210	7·8	215	6·5	220	6·8	265	6·4	250	6·3	250	6·9	250	4·9	245	4·4	245	3·8	240	3·6	235	3·6	240	3·2	4·7	2
270	5·4	270	6·5	265	6·2	270	5·2	265	5·3	255	5·5	250	4·9	250	4·1	240	3·7	250	3·7	245	3·3	245	3·0	4·3	3
270	5·0	270	4·9	270	6·0	270	4·6	270	5·4	280	5·2	285	5·3	285	3·2	255	2·5	235	2·8	230	2·0	230	2·0	3·8	4
280	2·8	240	3·8	240	3·2	250	2·2	270	1·8	295	1·9	290	1·5	235	1·3	205	2·9	205	2·9	200	2·9	195	2·0	2·3	5
210	6·2	205	5·8	200	6·2	195	6·1	200	5·6	200	4·5	210	3·2	220	2·2	235	2·7	225	2·4	220	2·5	225	2·3	3·9	6
345	5·0	345	4·9	350	4·7	360	4·0	360	3·8	360	4·4	10	4·5	360	3·4	15	4·4	20	3·6	15	2·5	10	2·4	3·9	7
120	1·7	135	1·5	125	1·6	145	1·8	120	2·3	140	2·0	120	1·9	130	0·9	145	0·4	125	0·2	190	0·5	195	0·2	1·4	8
45	1·9	90	2·2	120	1·5	60	0·5	315	0·5	75	3·5	95	3·2	100	2·3	80	2·0	80	1·2	65	1·2	70	0·7	1·0	9
75	4·0	70	4·0	65	3·7	70	3·9	85	4·6	95	4·9	90	3·5	105	4·3	90	3·8	70	1·9	75	2·8	75	3·2	2·6	10
30	2·8	20	3·1	325	2·3	305	2·3	290	2·0	275	1·5	250	1·8	245	1·9	245	1·9	230	1·8	240	2·6	255	2·5	2·3	11
265	2·3	280	2·5	270	2·5	285	3·0	300	3·2	270	2·1	280	2·2	285	1·3	285	1·2	305	1·8	315	2·8	285	1·3	2·3	12
250	3·7	260	3·3	260	3·1	245	3·2	230	3·5	215	4·3	220	2·9	200	3·2	195	2·3	200	2·2	200	2·3	205	1·9	2·5	13
215	4·9	215	4·6	215	5·0	215	4·3	230	4·1	215	4·3	225	3·2	225	1·5	200	0·8	185	0·8	190	1·8	195	1·7	3·0	14
180	2·2	180	2·4	190	3·0	205	3·4	195	3·2	200	3·3	195	2·7	195	1·8	195	1·2	205	0·5	205	0·2	230	0·1	1·3	15
235	2·3	215	2·9	220	3·3	235	3·4	230	2·8	245	2·5	225	1·1	215	1·7	220	1·1	220	0·9	205	0·6	220	1·3	1·2	16
220	5·2	210	5·6	230	4·3	215	4·7	220	4·6	230	4·2	225	4·1	220	2·9	225	2·8	215	2·8	210	2·4	215	2·8	2·7	17
270	2·6	285	3·3	280	3·2	280	3·2	275	3·6	285	3·3	305	2·2	320	0·5	315	0·3	275	0·6	275	0·6	285	0·3	2·0	18
220	5·8	200	6·4	210	7·6	200	5·7	190	6·1	195	5·0	200	6·0	205	5·4	210	4·7	215	4·5	215	2·9	210	2·4	3·6	19
270	2·4	260	2·9	250	2·4	225	2·8	225	2·5	220	3·3	220	2·5	225	1·5	200	1·1	215	2·2	215	2·0	220	1·4	2·0	20
325	2·9	315	2·5	315	3·0	325	3·0	320	3·5	320	2·6	340	1·9	345	2·0	345	3·3	340	3·2	340	2·8	340	2·4	2·4	21
315	3·0	310	3·3	300	3·5	320	3·1	340	3·2	335	3·4	345	2·4	355	1·4	350	1·3	355	1·0	295	0·3	-	0·0	1·7	22
265	2·7	245	2·7	260	2·9	270	3·0	255	2·7	255	2·5	255	2·2	265	0·7	215	2·4	220	2·6	220	2·6	225	1·3	1·5	23
335	1·5	305	1·8	305	2·1	295	2·1	340	3·1	340	2·7	335	2·3	345	1·4	350	1·0	350	0·9	10	0·4	-	0·0	1·5	24
340	2·2	315	1·6	315	1·5	335	2·0	360	2·4	355	1·6	350	1·2	355	0·1	-	0·0	75	2·2	75	4·5	80	4·4	1·3	25
60	4·8	70	4·8	65	5·3	85	6·1	85	5·8	80	5·9	80	5·7	70	5·4	70	6·0	65	4·8	55	3·0	55	2·8	4·6	26
65	6·8	75	6·4	75	7·0	75	6·8	70	7·1	70	6·5	70	6·4	75	6·3	75	4·3	50	2·8	40	2·7	30	2·2	4·4	27
60	2·7	85	2·9	100	3·3	105	3·9	85	3·7	90	3·1	105	2·2	90	1·1	90	0·8	80	0·2	110	0·3	55	0·2	1·9	28
195	1·2	225	0·8	255	1·2	270	1·5	245	0·5	210	0·5	230	0·2	220	0·7	210	1·0	195	1·2	205	1·0	220	1·2	0·6	29
255	2·9	270	3·5	270	3·7	295	3·6	310	2·7	325	4·0	325	2·2	310	0·3	250	0·8	275	2·1	285	1·1	270	1·4	1·9	30
305	2·5	300	4·0	325	3·5	345	2·2	350	1·4	335	0·4	325	0·1	295	0·2	315	0·1	320	0·2	335	1·0	310	0·7	1·9	31
---	3·5	---	3·7	---	3·7	---	3·6	---	3·5	---	3·5	---	3·0	---	2·2	---	2·1	---	2·0	---	1·9	---	1·7	2·5	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	

WIND: DIRECTION AND SPEED

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

519 KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of vane of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	275	0·2	270	0·5	260	0·5	250	0·2	225	0·2	245	0·3	260	0·4	295	1·5	340	2·7	350	2·7	350	2·3	345	2·2
2	190	1·1	145	0·4	65	0·8	110	1·5	175	0·7	345	1·0	220	1·1	235	2·7	240	3·3	255	3·2	235	3·8	230	4·3
3	205	0·7	180	1·2	180	2·2	235	0·9	230	1·0	195	0·6	270	0·3	170	1·7	200	1·5	210	2·3	235	2·8	205	4·0
4	195	4·1	200	3·2	210	4·3	205	3·6	190	2·9	180	3·3	170	3·8	175	4·9	165	6·4	185	6·4	215	8·0	215	8·4
5	215	5·0	205	4·3	200	4·0	210	4·4	220	2·0	240	2·3	230	3·3	230	3·5	250	4·2	250	5·0	260	5·0	275	3·7
6	250	3·1	250	3·9	250	4·2	255	4·3	265	4·3	255	4·0	245	4·5	240	4·5	255	5·3	260	5·5	260	5·4	260	4·9
7	180	6·2	175	6·9	170	6·9	160	6·8	165	5·5	205	5·6	250	6·0	280	10·2	280	9·9	270	8·5	265	9·6	270	9·0
8	235	6·6	235	6·9	235	7·6	235	6·9	235	6·2	225	6·0	230	5·5	235	5·4	240	6·0	245	5·6	265	8·0	290	9·0
9	245	1·1	240	1·3	250	1·2	290	0·5	250	1·7	310	0·5	30	0·1	5	0·5	10	1·4	15	0·9	340	0·3	145	1·1
10	115	1·7	90	1·8	80	2·2	75	2·8	80	1·9	80	2·0	75	2·1	90	2·5	95	2·0	105	1·4	100	1·4	90	2·0
11	75	0·7	80	1·7	85	1·8	85	2·3	90	2·5	80	2·0	85	1·6	100	3·1	120	2·1	130	3·7	140	5·9	150	6·5
12	140	4·8	140	4·2	140	3·5	140	4·1	140	2·8	135	2·0	145	3·0	140	2·4	160	2·9	135	2·8	105	3·0	115	3·5
13	230	0·5	225	0·4	215	1·0	215	1·9	240	1·4	250	1·5	245	1·6	260	1·8	250	2·1	240	2·2	250	2·6	265	3·1
14	225	2·4	220	2·1	220	2·1	220	2·2	230	1·9	220	1·8	220	2·1	230	1·8	240	1·5	260	2·7	265	2·7	260	3·2
15	235	2·2	250	1·9	270	1·5	245	0·7	270	0·8	330	0·6	355	0·7	10	2·9	10	3·0	10	4·0	355	4·1	15	3·7
16	25	1·1	355	2·1	35	2·5	5	1·4	20	1·3	350	3·0	360	2·0	5	2·8	10	2·9	25	4·6	25	5·0	35	4·3
17	25	3·3	15	2·8	20	2·9	20	2·6	15	3·1	20	3·0	15	2·4	15	3·2	20	3·4	15	4·7	15	4·1	20	3·7
18	5	1·5	360	0·8	360	2·0	5	2·1	355	2·9	360	2·3	350	1·4	305	0·3	315	0·6	340	1·0	205	0·9	225	1·3
19	215	1·2	235	0·4	220	0·8	195	0·6	245	0·1	235	0·3	200	0·5	260	0·2	60	0·8	80	1·7	65	3·2	60	3·3
20	50	3·9	40	3·8	45	3·9	50	3·4	45	4·0	50	5·5	55	6·5	60	6·0	70	6·6	75	7·9	70	8·7	70	8·6
21	110	1·8	180	1·8	215	1·4	210	2·6	215	2·5	210	3·1	220	3·2	215	3·4	220	4·6	220	4·4	230	2·9	270	1·3
22	-	0·0	-	0·0	-	0·0	280	1·4	330	0·6	-	0·0	-	0·0	275	0·2	230	0·2	220	0·4	235	0·5	245	0·5
23	220	0·6	235	0·2	-	0·0	235	0·2	280	0·1	-	0·0	360	0·1	-	0·0	15	0·2	175	1·0	110	1·1	55	2·1
24	80	3·0	80	3·6	80	4·5	80	4·3	80	3·4	80	3·7	80	5·3	85	3·9	85	3·9	80	4·0	85	4·0	85	4·2
25	175	1·7	180	2·5	200	2·5	195	2·5	220	3·8	215	4·5	215	4·5	240	4·5	240	5·3	250	4·6	250	5·1	200	4·2
26	40	3·3	30	4·8	30	5·7	35	5·5	25	5·9	40	5·8	35	4·6	20	4·0	20	4·2	30	4·0	25	4·0	20	3·2
27	260	1·3	265	1·8	275	2·3	285	2·6	270	2·6	265	2·7	275	2·9	255	2·8	265	3·9	265	4·5	260	4·4	260	4·5
28	355	4·1	360	4·6	360	5·1	350	4·4	345	4·1	345	4·5	350	4·2	345	4·5	355	6·0	5	7·0	5	7·5	25	8·0
29	355	2·5	350	1·2	355	1·6	335	2·3	340	2·2	330	1·5	325	1·0	320	1·1	335	2·8	355	4·6	360	5·4	360	5·4
30	265	1·1	260	1·5	260	1·3	240	1·3	230	1·5	220	1·4	305	1·0	330	3·1	330	3·1	335	4·1	335	3·5	345	4·5
Mean	---	2·4	---	2·4	---	2·7	---	2·7	---	2·5	---	2·5	---	2·5	---	3·0	---	3·4	---	3·8	---	4·2	---	4·3

520 KEW OBSERVATORY: H_a = 5 metres + 23 metres

Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	345	2·9	340	2·6	340	2·8	350	2·6	345	2·8	335	2·3	340	2·6	335	2·5	345	3·0	350	3·4	350	4·0	325	2·9
2	350	1·6	360	1·9	360	2·3	355	2·2	10	2·4	15	2·4	20	2·3	10	3·0	40	4·5	45	4·0	45	2·8	40	2·5
3	65	0·8	50	1·0	35	1·0	70	1·8	110	1·5	125	1·0	115	1·0	110	2·0	115	2·9	125	4·8	130	4·9	135	4·1
4	50	1·3	80	1·4	70	1·4	80	1·4	65	1·4	60	0·8	65	1·4	65	0·5	-	0·0	60	1·4	90	1·9	115	2·0
5	5	0·6	355	0·6	295	0·5	225	0·6	245	0·6	325	0·2	230	0·5	210	0·1	60	3·8	75	8·4	80	9·1	85	9·6
6	35	2·8	35	3·6	30	3·2	20	2·3	30	2·8	35	3·0	5	2·1	360	2·4	360	3·0	10	5·1	30	6·3	35	6·2
7	340	1·6	330	2·3	330	2·3	340	2·6	340	2·5	330	1·8	325	2·0	345	3·2	360	3·8	15	4·6	10	4·8	360	4·8
8	315	1·2	345	2·5	15	3·6	30	2·5	35	2·4	15	1·4	10	0·2	5	0·5	35	1·0	30	0·9	160	1·3	30	2·7
9	50	3·2	45	3·2	35	2·5	50	1·7	30	1·4	10	2·2	10	2·0	5	2·0	40	3·0	45	3·4	50	2·4	40	4·8
10	15	3·7	10	3·6	15	4·0	25	3·4	15	3·1	20	3·3	25	3·0	20	3·0	20	2·8	60	4·7	35	5·3	25	6·3
11	10	2·2	5	4·1	10	3·4	20	3·3	65	1·2	20	0·8	5	1·8	260	1·5	355	2·0	25	2·4	20	3·2	35	3·9
12	230	1·7	225	1·7	215	1·2	220	1·6	230	1·0	235	1·5	225	1·0	220	1·0	235	1·0	265	0·9	215	1·1	220	1·3
13	255	2·0	260	2·3	250	2·5	230	2·3	220	2·3	215	2·1	220	2·3	240	2·3	240	2·3	285	2·3	330	4·9	320	3·8
14	210	1·6	215	2·2	205	2·5	210	2·4	210	2·0	210	2·1	210	2·5	215	2·8	215	3·4	225	3·5	225	4·0	215	5·0
15	255	1·9	245	2·4	255	2·2	235	1·8	215	2·8	220	2·8	235	1·9	220	2·2	235	2·9	240	4·0	245	5·0	260	4·6
16	240	2·3	235	2·0	235	2·3	240	2·0	235	2·3	240	2·5	255	2·3	260	2·9	260	3·4	265	4·7	270	5·3	280	5·9
17	225	4·9	225	4·2	215	5·7	215	6·5	220	5·7	220	5·9	230	6·6	225	6·6	230	7·2	225	7·5	235	8·4	235	8·5
18	260	5·9	255	4·9	260	5·2	275	5·1	270	5·6	265	5·3	260	4·2	255	4·3	260	5·4	275	6·4	280	7·5	285	6·8
19	215	2·9	220	3·4	215	3·6	225	3·7	220	4·2	220	5·7	220	6·7	220	7·4	225	8·4	250	6·5	260	8·4	275	10·4
20	255	4·2	285	4·2	295	4·9	280	3·8	290	3·1	285	3·8	290	3·7	290	3·9	315	5·6	315	6·4	320	6·9	325	7·4
21	250	3·0	245	3·2	245	3·1	240	3·5	245	4·1	245	3·5	240	3·3	240	3·5	245	3·5	350	3·5	255	3·3	270	4·0
22	240	2·0	225	2·5	225	2·7	220	2·9	225	3·3	225	3·2	215	2·5	215	2·5	225	2·9	225	2·9	235	2·5	230	2·9
23	225	2·1	200	2·1	175	1·9	205	2·7	200	2·9	185	2·2	195	2·5	200	2·5	195	2·8	180	2·9	195	3·5	215	5·0
24	185	2·8	265	3·4	300	1·5	215	0·9	220	1·0	245	1·3	255	1·5	250	2·5	255	2·3	230	2·5	220	2·7	210	3·4
25	205	9·8	200	9·9	200	9·7	200	9·0	200	7·6	205	8·3	220	6·8	255	7·3	285	6·1	275	4·9	275	7·5	265	7·1
26	230	3·9	225	3·4	220	4·4	210	4·0	205	3·5	210	3·8	210	4·0	185	3·5	175	3·6	170	4·8	195	6·7	200	7·0
27	270	10·0	270	10·6	260	8·6	260	8·8	250	8·1	260	7·9	255	6·9	255	6·5	255	6·9	255	8·3	260	8·5	255	7·3
28	260	5·6	270	6·3	270	6·0	270	5·6	270	6·0	280	5·4	275	4·7	270	3·9	275	4·8	280	6·2	295	7·2	290	5·8
29	245	1·5	240	1·5	210	1·9	205	1·5	205	1·2	215	0·9	220	0·8	200	1·0	220	0·6	230	0·1	220	1·4	215	3·4
30	245	2·0	240	2·4	230	2·5	200	1·9	220	1·7	230	1·7	205	2·3	205	2·4	220	2·5	230	3·5	245	3·9	240	3·7
31	230	4·2	230	3·5	235	2·6	225	3·4	220	3·3	235	1·7	30	3·9	35	6·0	35	7·3	35	6·8	20	6·7	10	6·3
Mean	---	3·1	---	3·3	---	3·3	---	3·2	---	3·0	---	2·9	---	2·9	---	3·1	---	3·6	---	4·2	---	4·9	---	5·1
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 5 metres + 23 metres

SEPTEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
315	2·4	285	1·7	280	1·8	270	1·3	55	1·6	95	2·0	125	3·1	155	2·4	190	2·8	185	1·9	155	1·8	150	2·2	1·6	1
225	5·0	240	4·6	235	4·9	240	4·2	260	3·2	265	1·8	270	0·8	195	1·2	190	2·5	210	2·7	220	2·5	195	1·1	2·4	2
200	5·4	200	5·6	205	6·4	190	4·8	165	4·2	175	4·8	205	5·8	215	5·9	210	3·7	205	3·4	195	3·4	200	3·8	3·2	3
215	8·5	225	8·4	240	7·1	235	6·3	235	6·9	230	6·3	230	5·1	230	4·1	225	5·0	220	4·6	220	4·0	215	5·1	5·4	4
255	3·8	250	3·2	255	3·2	260	3·7	260	3·6	260	5·2	255	3·1	255	4·0	255	4·1	255	4·0	250	4·2	250	3·5	3·8	5
265	4·9	250	5·1	245	5·6	230	4·6	215	4·7	215	5·2	200	5·4	195	5·0	200	4·5	200	5·3	190	5·9	185	5·2	4·8	6
265	10·3	260	10·5	260	9·8	250	11·2	255	10·2	250	9·0	245	7·6	245	7·8	245	8·1	245	7·4	245	6·9	235	6·8	8·2	7
300	9·5	290	6·9	280	6·1	280	5·5	290	5·2	290	4·5	290	3·7	290	4·0	280	3·2	285	2·4	255	2·0	240	1·4	5·6	8
170	2·2	140	1·5	120	2·6	145	3·0	135	2·8	155	3·3	170	2·6	165	2·3	160	1·9	100	1·3	95	1·4	120	1·2	1·5	9
170	2·8	160	3·1	185	2·9	200	3·4	180	3·4	165	3·8	180	2·0	150	0·9	170	0·3	125	0·3	80	0·1	25	0·1	2·0	10
155	6·8	145	6·5	150	6·7	165	6·2	145	5·5	140	4·0	125	2·9	110	2·5	115	3·9	125	3·8	135	4·0	145	4·8	3·8	11
160	3·2	130	3·0	135	2·4	125	3·3	160	2·9	160	2·1	180	0·5	120	0·6	145	0·8	160	0·5	220	0·7	255	1·2	2·5	12
255	2·7	270	2·5	305	2·8	300	2·5	310	2·3	300	2·3	285	2·0	270	1·1	260	1·8	250	1·8	230	1·8	220	2·3	1·9	13
270	3·2	240	4·3	235	4·0	220	5·3	225	5·5	225	4·1	245	4·1	240	2·3	230	2·5	230	2·1	235	2·0	250	1·9	2·8	14
30	2·8	30	3·0	30	2·5	50	3·0	340	1·6	10	1·1	65	1·2	30	1·0	10	0·8	5	2·8	5	2·5	5	2·0	2·1	15
40	4·0	40	4·6	45	3·6	35	3·0	40	3·5	55	3·4	75	3·4	40	4·5	60	3·8	45	4·5	45	4·0	50	3·5	3·3	16
15	3·8	30	3·2	15	3·3	15	3·8	10	3·7	45	3·2	80	1·6	35	0·3	5	1·4	360	2·7	360	2·2	5	2·9	3·0	17
240	1·9	215	2·0	230	1·5	210	1·2	190	0·5	250	0·2	255	0·2	245	0·5	260	0·1	250	0·4	220	0·9	205	1·1	1·1	18
65	3·8	80	3·7	110	3·0	100	2·5	75	2·3	75	2·2	65	3·7	80	4·6	75	5·2	50	4·7	50	4·9	50	3·9	2·4	19
75	8·8	80	8·2	80	8·3	85	8·2	85	8·7	65	4·8	50	4·6	50	4·2	45	4·2	60	4·4	70	4·1	80	3·8	5·9	20
260	1·1	290	1·2	235	0·5	335	1·0	350	2·0	340	1·7	30	1·5	305	0·5	320	0·6	295	0·6	330	0·1	320	0·1	1·3	21
235	1·2	290	1·2	290	1·3	300	2·2	275	0·7	270	0·1	-	0·0	-	0·0	-	0·0	330	0·2	320	0·1	220	0·1	0·5	22
75	4·2	70	3·2	85	4·1	90	3·7	90	3·0	80	3·3	80	3·8	80	3·6	75	2·9	75	3·2	75	4·6	75	4·0	2·1	23
95	3·7	110	4·1	120	3·8	130	3·6	130	3·1	125	2·9	120	2·2	100	0·9	110	1·1	130	1·5	145	2·0	145	2·2	3·3	24
245	3·5	255	3·5	250	3·3	245	3·3	250	2·0	235	2·1	235	1·8	225	1·8	35	5·0	40	3·5	30	3·0	35	3·5	3·4	25
5	3·9	15	4·8	10	3·8	355	3·6	355	4·0	350	2·4	360	2·5	340	1·9	355	2·2	325	1·3	270	1·2	245	1·0	3·7	26
280	4·7	275	3·8	320	4·7	320	2·8	345	5·3	315	2·9	305	2·3	315	2·6	310	2·9	305	1·8	330	3·0	355	4·0	3·2	27
55	7·5	50	6·2	50	7·4	45	6·2	45	6·6	40	4·9	35	4·9	20	3·6	20	3·4	10	2·9	330	2·4	345	2·5	5·1	28
5	5·1	360	4·5	360	6·0	360	6·3	360	5·2	355	4·3	360	2·7	355	1·4	305	0·8	315	1·0	270	0·7	265	1·3	3·0	29
360	4·1	340	4·0	335	2·4	320	2·9	340	2·9	335	3·5	320	2·7	360	3·2	355	2·6	355	1·9	345	1·6	355	2·6	2·6	30
---	4·5	---	4·3	---	4·2	---	4·1	---	3·9	---	3·4	---	2·9	---	2·6	---	2·7	---	2·6	---	2·6	---	2·6	3·2	

OCTOBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
320	3·4	320	3·0	345	3·5	335	3·2	335	2·2	315	1·2	350	0·9	295	0·6	270	0·4	315	0·5	20	1·4	15	1·5	2·3	1
60	3·2	110	3·4	105	3·9	100	4·4	105	3·3	105	2·9	95	3·0	95	3·7	110	2·4	125	1·8	90	2·0	70	0·7	2·8	2
125	4·2	120	3·7	115	3·3	120	3·6	125	3·5	130	2·6	105	2·8	110	2·2	95	2·0	90	2·5	85	1·7	85	1·5	2·5	3
95	1·9	120	1·5	140	1·1	155	1·0	10	0·6	25	1·5	80	2·1	90	1·0	80	1·5	60	1·1	10	0·2	350	0·2	1·2	4
85	9·3	75	8·1	65	8·6	70	8·5	70	7·8	55	6·4	45	4·6	40	4·7	35	4·0	45	3·3	30	3·3	35	3·5	4·5	5
40	6·7	45	8·3	45	5·1	45	4·9	45	5·9	35	3·9	15	2·8	10	2·9	10	3·2	5	3·5	360	2·8	245	2·3	4·0	6
15	5·3	25	4·3	25	4·3	25	4·4	15	3·9	20	2·7	350	2·2	325	2·8	345	2·3	325	3·2	315	2·9	320	2·8	3·2	7
85	4·7	100	3·6	65	2·5	90	4·3	105	3·5	110	3·1	80	1·5	40	1·9	30	2·9	40	4·0	45	3·8	50	3·9	2·5	8
30	7·0	35	6·3	30	4·3	20	4·6	20	3·8	115	3·4	20	3·6	15	3·5	20	4·5	40	3·4	25	2·2	360	2·8	3·4	9
20	6·2	25	5·3	30	5·3	20	5·0	5	4·8	5	4·1	15	3·8	15	4·0	35	3·5	20	2·3	15	2·5	10	3·0	4·0	10
10	4·3	15	3·0	10	3·2	20	2·0	10	2·7	5	1·9	335	0·9	335	0·8	325	0·9	315	0·5	230	1·0	230	1·7	2·2	11
235	1·8	325	2·9	310	2·4	300	1·5	320	3·2	310	2·2	280	1·3	270	1·8	280	1·9	285	1·4	260	1·5	265	1·4	1·6	12
330	2·2	305	1·2	295	3·0	285	2·0	310	2·8	290	2·3	290	2·5	280	1·5	265	1·3	265	1·6	245	1·7	225	1·4	2·3	13
230	5·1	235	4·4	220	3·8	220	3·0	220	2·5	245	2·8	270	2·4	275	1·9	275	2·0	285	3·3	270	2·2	275	1·9	2·9	14
260	5·6	260	5·0	265	4·9	285	3·8	275	2·5	295	3·7	255	1·5	245	2·2	245	2·8	220	2·4	225	3·1	235	3·0	3·1	15
250	7·5	275	5·2	275	4·5	265	3·3	230	3·0	225	3·5	230	4·0	225	3·5	230	3·9	220	3·5	220	3·6	235	3·8	3·6	16
235	8·8	235	7·3	230	6·8	225	7·3	235	7·6	225	7·2	225	6·8	225	7·2	235	7·8	230	8·3	230	7·5	245	7·6	7·0	17
280	7·2	280	6·3	285	6·8	280	5·3	270	3·9	280	3·9	255	2·9	235	2·8	235	2·4	240	2·5	235	2·5	220	3·1	4·8	18
275	9·8	275	10·0	275	9·9	285	10·2	285	11·4	305	9·8	305	7·2	310	6·6	295	6·5	290	6·3	285	4·8	295	5·3	7·0	19
330	6·7	320	5·0	300	4·5	285	3·2	280	3·3	285	3·6	275	2·8	265	2·4	270	2·5	270	2·7	260	3·2	265	2·7	4·2	20
265	4·0	265	4·0	265	3·8	265	3·6	265	3·4	265	3·2	280	3·5	270	3·4	265	3·2	260	2·8	250	2·8	235	2·1	3·4	21
250	2·6	250	2·7	250	2·5	245	2·8	245	2·2	225	2·1	225	2·1	220	1·6	195	1·6	205	1·7	185	1·8	180	2·1	2·4	22
210	6·4	235	3·7	205	3·5	195	3·5	205	3·8	190	3·6	205	3·5	195	3·0	200	3·2	200	3·5	200	2·7	185	2·4	3·2	23
215	3·4	230	5·0	225	5·5	215	3·9	210	4·4	205	5·0	205	4·8	200	5·3	200	5·4	200	6·5	200	7·0	205	8·1	3·8	24
260	7·4	255	7·3	240	8·1	255	5·4	230	2·5	225	2·4	250	4·8	255	5·0	260	4·3	255	5·0	250	6·1	235	4·1	6·5	25
225	5·9	230	7·0	235	7·8	245	8·1	240	8·9	235	8·4	230	7·8	235	7·8	240	8·0	240	9·0	255	9·9	260	8·8	6·3	26
250	8·6	235	9·1	230	8·8	240	8·3	240	7·3	235	6·1	270	7·3	270	4·7	265	4·8	275	6·1	265	5·5	260	5·2	7·5	27
290	6·9	290	8·3	300	6·7	300	6·1	305	5·0	310	5·0	310	2·9	275	2·6	275	2·0	280	2·2	280	2·0	265	1·2	4·9	28
200	4·3	205	4·4	200	4·6	200	3·3	205	3·0	205	2·6	200	2·2	215	2·8	210	2·4	215	2·9	225	2·2	240	2·0	2·2	29
250	4·3	240	4·8	235	4·7	225	3·9	225	3·4	220	3·5	230	3·5	225	3·3	230	3·9	220	4·6	220	4·5	230	3·8	3·3	30
360	6·7	5	8·9	5	8·5	5	7·8	360	7·9	5	7·6	360	7·2	360	6·3	360	5·8	355	5·1	355	4·7	350	4·6	5·7	31
---	5·5	---	5·8	---	5·1	---	4·6	---	4·3	---	3·9	---	3·5	---	3·3	---	3·5	---	3·5	---	3·3	---	3·2	3·8	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	

WIND: DIRECTION AND SPEED

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

521 KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926 H_a (height of vane of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	350	3·5	330	3·0	340	3·7	340	1·7	330	1·2	305	1·3	200	1·5	250	1·2	255	2·0	255	1·3	255	1·9	265	1·7
2	205	2·9	210	2·1	225	1·8	250	1·1	250	1·0	250	1·3	255	1·8	250	1·4	235	0·9	295	0·6	240	3·0	340	3·5
3	195	2·5	225	1·7	230	1·6	225	2·0	245	2·0	240	2·9	215	3·3	230	2·2	220	2·9	225	2·8	215	3·0	220	2·7
4	285	0·7	275	0·4	290	0·8	315	1·3	310	1·2	275	0·8	255	1·2	290	1·7	270	1·1	240	0·8	245	1·2	260	1·3
5	195	3·0	195	3·3	190	3·1	185	3·2	190	2·8	190	3·0	190	4·5	190	5·7	205	5·6	210	4·5	230	4·1	230	4·3
6	190	2·4	185	2·2	180	2·0	115	0·3	125	0·8	130	0·8	125	0·7	160	1·2	150	2·9	140	2·4	150	4·9	145	4·3
7	185	4·7	180	5·0	185	5·0	185	5·0	185	4·9	180	5·1	190	5·9	160	4·9	170	4·8	170	5·0	170	5·0	180	5·9
8	220	5·2	230	6·3	235	7·8	235	7·0	230	6·0	230	5·6	235	6·9	220	6·4	230	8·0	230	9·1	225	8·5	230	9·5
9	200	9·8	215	12·2	215	12·9	225	10·6	225	9·6	225	8·9	230	9·3	225	8·5	215	8·3	220	8·3	225	7·5	230	7·2
10	220	3·9	225	2·8	225	3·0	225	2·7	225	2·3	250	3·3	240	3·0	235	3·2	245	3·9	250	4·1	250	6·4	250	5·9
11	220	2·0	215	3·2	215	2·8	200	2·4	210	2·2	200	1·5	185	0·8	110	0·2	105	0·5	130	1·2	150	4·3	150	5·0
12	190	6·9	205	6·8	185	7·5	180	8·3	190	8·7	190	8·8	195	9·1	195	8·0	195	8·7	185	8·2	190	6·5	185	6·8
13	320	6·4	325	6·2	325	6·0	320	6·5	320	5·9	335	6·4	335	5·9	325	5·0	325	5·4	325	4·4	325	4·8	335	5·8
14	195	1·3	190	1·0	185	1·0	195	0·5	195	0·8	190	1·4	180	1·9	175	3·5	180	4·0	255	3·0	200	2·2	225	3·1
15	250	3·0	245	2·6	230	2·1	220	2·5	205	1·8	190	1·4	195	2·1	205	3·3	210	3·5	220	4·4	215	5·5	215	6·8
16	225	7·2	235	5·6	235	5·0	230	5·0	235	3·8	235	3·1	235	2·9	255	3·1	260	2·6	260	3·0	270	3·0	280	3·7
17	215	6·1	220	6·0	225	5·0	220	4·8	220	4·8	220	4·4	220	5·0	220	5·0	220	5·7	220	5·2	215	5·8	215	6·9
18	305	8·0	305	7·5	310	8·5	310	8·2	325	9·2	340	9·6	340	7·9	345	8·5	350	8·0	350	7·6	350	9·4	355	10·0
19	10	9·0	10	8·2	15	7·6	20	7·3	20	7·0	20	6·7	30	6·6	40	6·9	35	6·0	35	6·0	40	6·4	40	7·0
20	40	6·1	40	6·6	40	6·5	40	6·2	55	5·4	40	5·2	15	4·3	25	5·1	40	5·3	60	5·7	60	6·2	70	8·0
21	40	5·0	40	5·4	40	5·8	45	5·0	45	3·5	40	3·3	40	3·2	45	2·6	70	2·9	65	3·5	65	5·0	70	5·4
22	345	0·6	15	0·6	35	1·0	70	2·5	60	3·5	55	3·7	65	2·9	50	3·1	50	2·6	30	1·2	20	1·7	15	1·0
23	250	0·1	350	1·0	5	1·4	10	1·7	345	2·5	335	1·8	320	1·2	350	1·3	350	1·7	360	2·4	335	1·2	330	1·4
24	300	0·8	290	0·6	285	1·2	285	1·1	275	0·9	270	1·0	280	0·6	270	1·1	235	1·0	270	0·9	245	0·6	270	0·5
25	335	1·6	330	1·5	320	2·4	345	2·5	5	3·2	10	2·6	355	2·4	350	2·4	350	2·3	360	2·4	350	1·9	345	2·5
26	40	2·5	40	2·7	35	2·5	30	1·7	20	1·2	20	0·8	25	0·7	10	1·7	20	1·5	15	0·2	310	0·5	350	1·2
27	350	2·1	335	1·3	330	1·3	345	1·6	10	3·5	355	3·6	350	1·4	330	0·5	340	1·5	350	1·0	350	1·9	360	2·2
28	255	1·7	260	1·8	240	1·7	235	1·8	250	1·8	230	1·7	235	1·5	265	1·5	275	2·0	280	1·2	290	1·6	290	1·5
29	240	1·4	245	1·4	235	1·8	220	2·2	225	2·3	225	2·4	220	2·0	230	2·0	210	2·0	220	3·5	220	4·2	220	4·3
30	235	3·0	230	2·8	250	3·4	235	4·2	220	3·2	260	3·6	260	4·8	250	5·0	245	4·2	245	3·7	245	4·5	240	5·0
Mean	—	3·8	—	3·7	—	3·9	—	3·7	—	3·6	—	3·5	—	3·5	—	3·5	—	3·7	—	3·6	—	4·1	—	4·5

522 KEW OBSERVATORY: H_a = 5 metres + 23 metres

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	255	4·3	260	4·9	270	4·0	275	5·0	280	4·9	275	4·1	260	3·0	270	4·2	275	3·6	285	5·2	280	6·5	275	5·2
2	250	4·3	255	4·3	245	4·9	250	5·0	260	4·8	255	5·0	225	3·7	230	5·0	235	3·9	255	5·9	270	7·1	280	7·7
3	270	5·8	270	5·3	270	4·5	275	4·7	260	3·8	245	4·2	250	3·9	245	3·7	240	3·3	255	3·3	270	5·2	280	5·8
4	230	6·9	225	6·5	230	6·5	230	7·0	230	6·5	250	7·7	270	7·0	265	5·0	260	5·5	265	6·6	280	6·8	285	8·5
5	210	4·2	215	4·0	215	5·2	215	6·5	215	6·3	220	7·3	215	7·2	225	6·7	235	6·5	255	6·5	255	5·1	245	5·0
6	245	6·9	265	8·4	240	4·9	230	5·0	235	6·2	235	7·3	255	8·6	255	8·5	270	7·3	280	6·4	280	5·4	285	9·0
7	305	5·1	300	5·5	300	5·7	300	4·9	295	4·5	315	5·0	310	5·0	315	4·5	310	4·2	315	4·5	320	5·2	320	4·8
8	195	1·5	220	1·0	215	1·5	210	1·4	200	2·2	210	2·6	210	3·3	200	3·5	220	2·8	220	3·0	220	3·0	215	4·2
9	25	3·4	360	2·5	340	1·3	345	2·0	350	0·9	350	1·0	360	1·5	5	1·2	10	1·5	15	2·2	350	1·8	335	1·8
10	335	0·6	340	1·2	345	0·2	340	0·7	40	1·9	40	1·9	50	1·5	65	0·8	105	1·9	110	2·5	115	3·6	110	3·3
11	250	0·3	230	0·8	235	0·8	170	1·2	145	0·7	230	0·4	220	0·6	180	0·1	-	0·0	-	0·0	165	0·5	185	0·4
12	145	3·1	135	2·2	175	0·5	170	1·7	130	2·2	100	2·4	90	2·1	95	2·5	85	1·6	95	0·8	195	2·5	190	1·1
13	310	2·6	200	2·3	280	1·7	260	1·4	230	2·0	200	1·7	205	1·5	215	1·2	215	0·5	185	0·7	190	2·0	185	2·9
14	185	13·0	190	13·8	195	13·7	195	13·7	195	13·3	195	13·6	195	14·4	195	12·9	195	13·0	195	12·8	190	12·6	195	14·5
15	205	7·7	210	7·0	245	6·3	270	5·8	275	4·4	250	3·5	245	3·7	235	3·3	220	4·0	230	4·6	230	4·0	245	4·4
16	190	9·8	195	11·0	195	11·6	195	11·2	195	11·5	190	11·3	190	10·0	195	9·8	210	8·6	230	5·0	215	5·4	230	5·8
17	220	5·0	220	4·0	210	5·0	205	4·2	200	3·5	195	3·8	185	5·0	190	5·7	185	4·8	185	6·0	180	6·5	185	7·4
18	215	10·0	210	10·0	210	10·9	210	9·5	210	10·6	210	10·7	210	11·9	205	10·6	210	11·2	205	10·1	210	11·3	215	11·9
19	230	3·4	225	2·8	245	2·5	250	3·8	245	3·3	230	3·2	225	3·9	240	2·8	230	2·6	230	3·0	230	3·9	220	4·8
20	210	7·3	205	8·3	205	8·0	205	7·3	205	6·8	205	5·1	200	5·1	210	4·9	210	7·0	205	6·5	210	7·3	215	8·1
21	200	5·8	200	5·0	190	3·9	210	4·0	200	4·5	195	3·4	195	2·0	185	2·2	180	3·0	205	3·9	205	5·4	200	4·3
22	200	2·2	190	1·9	180	1·4	190	1·6	240	1·7	195	2·5	205	3·3	195	3·9	195	3·9	195	5·5	210	5·5	205	5·6
23	250	2·3	255	2·8	260	1·3	245	1·5	235	1·6	230	2·0	220	2·3	220	2·2	225	2·1	235	1·4	240	1·7	280	1·9
24	245	0·9	260	0·6	245	0·7	230	1·4	230	1·2	245	1·2	245	2·0	230	1·9	235	1·5	245	0·8	235	1·3	235	1·4
25	225	2·3	235	2·5	215	2·0	235	3·2	225	2·3	225	2·5	210	2·5	220	2·3	220	2·5	235	1·9	250	2·2	265	2·4
26	180	0·1	190	0·1	-	0·0	100	0·1	105	0·1	-	0·0	90	0·1	-	0·0	95	0·1	70	0·2	120	0·2	170	0·2
27	115	0·2	80	0·1	65	0·3	85	0·5	90	0·7	85	0·8	80	1·1	80	1·3	75	0·9	90	1·9	90	2·3	100	3·4
28	100	2·4	110	2·8	115	2·8	105	2·9	100	2·8	105	2·4	110	2·4	100	2·1	115	2·1	125	2·4	145	2·0	90	3·5
29	155	3·8	145	3·6	160	4·8	165	6·0	195	6·5	200	6·3	195	6·1	195	5·9	200	6·7	205	7·3	215	6·8	210	7·2
30	180	3·3	195	2·8	230	4·2	265	4·4	270	3·8	275	3·3	265	3·2	245	2·6	225	2·1	225	2·4	235	2·1	220	2·5
31	200	3·6	195	3·5	195	3·9	190	3·8	190	3·8	195	3·9	200	4·7	200	5·2	200	6·3	205	6·5	200	7·0	200	7·5
Mean	—	4·3	—	4·2	—	4·0	—	4·2	—	4·2	—	4·2	—	4·3	—	4·1	—	4·0	—	4·2	—	4·6	—	5·0
Annual Mean	—	3·0	—	2·9	—	2·9	—	2·9	—	2·9	—	2·9	—	3·0	—	3·2	—	3·5	—	3·9	—	4·2	—	4·4
Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

WIND: DIRECTION AND SPEED

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 5 metres + 23 metres

NOVEMBER, 1936

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
270	1·7	275	1·6	245	2·1	230	2·4	235	1·8	215	1·6	200	2·6	215	3·2	205	3·7	210	3·7	200	4·5	195	3·6	2·4	1
350	3·1	345	2·8	350	3·6	350	3·0	20	2·6	20	2·0	20	2·9	45	1·8	105	0·5	280	1·3	280	0·7	185	1·2	2·0	2
225	3·1	235	2·6	240	2·0	260	1·5	245	1·0	285	1·2	340	1·0	320	1·0	330	0·8	335	1·0	330	0·7	310	0·5	1·9	3
270	1·3	270	1·3	250	1·1	225	1·2	215	1·0	210	1·4	220	2·0	210	1·8	190	2·1	200	2·7	200	2·8	195	3·0	1·5	4
225	4·8	220	4·3	230	3·5	225	3·7	210	3·3	205	3·3	205	3·8	210	4·5	210	3·8	200	3·0	195	2·8	185	2·5	3·8	5
160	4·8	170	4·4	165	6·0	160	6·2	145	6·5	135	6·3	130	6·9	160	7·3	220	7·1	210	5·5	210	5·7	200	4·8	4·0	6
180	6·9	190	6·0	200	6·7	185	7·2	175	6·2	175	7·4	190	6·0	195	6·3	200	6·7	205	7·0	235	5·8	230	5·7	5·8	7
225	9·4	225	8·9	225	7·8	265	6·3	215	3·9	210	5·7	205	6·2	210	6·0	200	6·4	195	6·6	200	8·7	200	9·8	7·2	8
240	8·4	235	7·7	240	6·1	230	6·1	230	5·7	225	4·5	225	5·0	220	5·5	220	5·6	225	4·8	220	4·5	215	3·8	7·5	9
245	5·7	240	6·5	235	5·9	235	4·9	225	5·0	220	5·1	225	5·0	225	4·8	230	5·1	220	4·0	225	3·8	220	3·6	4·3	10
145	5·3	145	6·3	125	6·4	125	6·3	130	6·6	120	5·8	130	3·9	150	3·5	180	3·5	190	4·4	205	6·9	190	6·8	3·8	11
197	7·5	190	6·8	190	5·2	190	3·9	180	3·4	175	2·6	160	2·1	325	0·7	325	3·1	330	4·4	340	6·1	330	5·9	6·1	12
340	4·2	335	3·9	310	3·1	305	1·7	280	2·3	280	1·5	275	1·4	225	0·9	220	1·0	220	2·2	195	1·4	210	1·4	3·9	13
225	4·9	245	6·0	260	5·3	250	4·1	250	3·8	250	3·5	245	3·8	240	3·1	235	2·9	245	2·4	240	3·3	240	2·4	2·9	14
220	7·8	220	8·4	210	9·0	220	8·4	215	9·3	215	9·2	215	9·8	220	7·9	225	7·9	225	8·0	220	8·9	220	8·6	5·9	15
270	3·0	280	2·3	285	1·2	200	0·4	190	1·4	175	1·3	175	1·4	195	2·0	200	2·4	205	3·4	210	4·4	215	5·5	3·2	16
220	7·1	230	6·5	220	6·3	225	5·4	240	6·0	245	5·3	245	5·7	250	6·6	315	7·5	300	5·0	320	7·1	305	5·0	5·8	17
355	9·6	5	9·2	360	10·1	360	10·5	5	9·8	360	10·1	360	10·0	360	10·0	5	10·0	5	9·0	10	9·5	10	9·0	9·1	18
40	7·4	40	6·9	40	6·6	35	6·1	50	6·3	45	7·7	50	5·5	50	6·0	35	5·3	35	5·4	35	5·6	30	5·7	6·6	19
70	7·5	65	7·0	60	6·2	55	6·2	50	6·4	40	5·7	30	3·9	30	4·3	30	4·2	40	4·7	40	4·0	40	4·2	5·6	20
75	6·5	80	6·0	75	4·9	70	4·5	60	3·8	55	4·2	50	4·0	40	1·9	70	1·3	75	1·3	-	0·0	340	0·7	3·7	21
215	1·1	220	1·8	245	1·0	-	0·0	340	0·1	205	0·1	205	0·3	125	1·0	45	0·2	120	0·2	120	0·5	230	0·4	1·3	22
350	1·5	35	1·0	-	0·0	315	0·1	325	1·0	315	1·8	295	0·7	310	0·3	310	0·8	310	0·9	305	1·0	290	0·7	1·1	23
300	0·6	270	1·0	290	1·0	265	0·5	300	1·2	295	1·4	320	2·4	340	1·5	315	1·0	270	0·9	295	1·1	295	1·1	1·0	24
355	2·5	360	2·8	10	2·6	10	2·5	20	2·3	360	1·0	15	1·5	40	2·9	35	2·8	20	2·3	30	2·4	25	2·7	2·3	25
15	1·0	35	1·2	55	0·5	95	1·2	70	0·9	115	0·5	80	0·5	105	0·9	40	2·5	20	2·9	35	2·6	5	2·1	1·4	26
10	2·1	360	1·7	360	1·7	350	2·2	350	1·3	295	1·3	275	1·2	225	1·4	265	1·7	245	1·7	270	2·2	265	2·0	1·8	27
315	2·0	320	2·5	325	1·5	320	1·9	320	1·4	360	1·2	270	1·4	270	1·3	260	1·3	310	1·4	250	0·5	260	0·8	1·5	28
225	5·0	225	6·0	230	4·8	235	5·4	225	5·0	225	4·0	225	3·9	235	2·7	240	3·1	220	2·8	220	3·7	225	2·7	3·2	29
265	6·0	270	6·0	275	6·1	270	6·8	285	8·6	285	7·5	275	6·2	280	5·0	280	4·5	285	5·9	275	4·0	265	4·0	4·9	30
---	4·7	---	4·6	---	4·3	---	4·0	---	3·9	---	3·8	---	3·7	---	3·5	---	3·6	---	3·6	---	3·8	---	3·7	3·9	

DECEMBER, 1936

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	Mean	Day
285	6·0	280	6·0	275	5·9	270	5·8	270	6·4	270	5·0	255	4·7	245	4·0	245	5·0	250	5·0	255	5·0	250	4·9	4·9	1
280	6·8	280	6·8	285	7·4	285	6·7	285	6·7	280	5·0	275	5·0	265	4·0	240	3·0	250	4·5	265	5·1	265	5·4	5·3	2
280	6·0	270	4·6	250	3·8	250	3·4	215	3·8	230	4·3	235	5·0	230	4·8	230	5·5	225	6·3	220	6·5	230	6·3	4·7	3
280	7·9	280	6·5	290	5·6	270	3·0	245	2·7	225	2·8	220	3·2	220	3·4	220	3·5	215	2·9	220	4·4	205	5·0	5·5	4
275	7·0	295	7·4	260	5·0	265	5·8	245	4·2	250	4·0	250	5·3	270	5·8	235	5·0	235	4·7	235	5·0	240	5·4	5·6	5
280	7·2	290	8·4	285	8·3	280	7·5	285	5·6	295	5·4	295	4·5	285	3·9	290	3·6	290	3·9	310	6·0	315	5·7	6·4	6
325	4·5	320	3·5	325	2·9	305	2·8	305	2·6	285	1·4	240	1·3	245	1·3	250	1·3	270	0·9	210	1·0	225	1·4	3·5	7
220	3·6	215	3·2	215	3·2	220	2·5	270	1·8	290	2·2	340	1·0	325	0·9	320	0·9	330	2·6	345	2·5	10	3·4	2·4	8
345	1·8	340	1·6	350	1·3	355	1·6	10	2·5	350	2·4	340	1·4	325	0·9	325	0·7	320	1·2	10	1·5	355	0·2	1·6	9
135	2·3	120	0·8	55	0·3	360	1·6	25	1·7	50	1·2	25	2·3	355	1·5	360	1·2	350	1·6	310	0·4	270	0·3	1·5	10
190	2·5	195	2·8	180	2·5	185	1·9	170	1·6	175	1·8	180	2·7	160	2·3	115	1·7	145	2·7	140	3·9	145	2·8	1·5	11
170	1·0	165	0·4	110	1·5	155	1·4	160	1·4	185	1·4	210	1·5	230	1·0	280	2·9	300	3·9	300	2·8	305	3·5	1·9	12
180	3·6	180	4·6	180	5·0	185	6·0	185	6·6	180	5·4	180	7·0	185	8·9	185	10·0	190	10·5	185	11·4	185	11·9	4·6	13
190	15·5	185	13·8	185	13·6	185	13·8	185	12·0	185	12·5	195	9·9	210	7·2	205	7·4	225	5·0	200	7·4	205	8·2	12·0	14
230	4·4	230	3·9	215	3·8	205	4·0	185	3·8	185	3·8	185	3·6	185	4·9	185	5·8	190	7·0	190	8·4	195	9·9	5·1	15
250	5·2	250	5·9	245	5·3	240	3·9	225	4·0	220	5·2	225	5·4	230	6·0	225	6·0	225	5·2	230	5·5	225	5·2	7·2	16
195	7·5	210	8·4	215	9·1	220	10·0	215	10·9	215	10·7	215	9·7	215	10·0	215	10·8	215	10·0	215	10·0	215	10·0	7·4	17
215	11·8	215	10·9	220	7·9	235	6·5	235	4·1	220	4·2	225	4·7	230	4·2	245	3·4	235	2·9	225	2·5	230	2·6	8·1	18
230	5·2	220	5·0	215	5·0	210	5·2	210	5·3	190	5·5	200	6·0	205	5·9	200	6·5	210	7·5	215	8·6	210	8·5	4·8	19
210	8·8	215	8·0	210	8·1	210	6·9	205	7·2	200	7·0	205	6·6	200	6·4	190	5·2	195	6·0	195	5·7	200	5·2	6·8	20
200	5·3	190	4·9	185	5·0	185	4·3	185	2·5	210	2·0	210	2·5	205	3·5	205	2·9	220	2·4	215	1·6	205	1·6	3·6	21
210	6·9	210	5·2	215	6·4	215	5·9	205	6·0	215	5·8	215	6·0	340	3·9	345	2·8	345	1·2	235	0·2	245	1·6	3·8	22
270	1·8	265	1·4	245	1·5	245	1·8	235	0·8	235	0·8	220	0·6	220	1·4	225	1·4	215	1·0	210	1·4	225	1·2	1·6	23
245	1·8	220	1·8	225	2·2	225	1·8	220	2·6	235	2·0	225	2·2	240	2·8	245	2·7	245	2·6	235	2·4	225	2·9	1·8	24
260	1·8	300	2·1	305	1·8	310	0·6	300	0·5	310	0·2	350	0·1	290	0·1	310	0·2	340	0·1	-	0·0	-	0·0	1·5	25
150	0·2	170	0·8	190	0·8	190	0·5	195	1·2	185	0·6	190	0·1	150	0·2	145	0·3	95	0·4	105	0·3	135	0·2	0·3	26
85	4·8	85	4·2	75	3·2	75	3·8	75	3·7	50	4·2	80	5·3	80	4·9	95	3·8	100	2·2	120	3·0	100	2·3	2·5	27
80	3·1	85	3·9	85	4·0	80	1·9	85	2·5	85	2·8	90	1·7	105	1·6	105	2·1	105	1·7	130	2·0	155	4·8	2·6	28
210	6·0	210	5·9	205	5·9	185	3·3	185	2·8	180	3·0	180	3·0	175	4·4	175	3·9	175	3·9	175	3·8	180	4·2	5·0	29
230	3·2	235	3·8	220	4·3	215	3·7	205	2·9	200	2·7	195	2·1	205	3·2	200	3·0	205	3·0	200	3·5	195	3·1	3·1	30
205	7·5	205	7·6	210	6·6	205	6·9	200	7·1	195	6·0	195	6·9	200	7·3	200	7·0	205	7·8	205	7·7	195	7·9	6·1	31
---	5·2	---	5·0	---	4·8	---	4·3	---	4·1	---	3·9	---	3·9	---	3·9	---	3·9	---	3·9	---	4·2	---	4·4	4·3	
---	4·5	---	4·5	---	4·5	---	4·4	---	4·2	---	4·0	---	3·7	---	3·5	---	3·3	---	3·2	---	3·2	---	3·1	3·6	
12 - 12		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

0-1h 1st January, 1937, 200 8·2

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES PRESSURE TUBE ANEMOMETER

523 KEW OBSERVATORY: h_a = 5 metres + 23 metres 1936

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust
	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m	m/s	h m
1	16	3 45	13	10 35	9	21 45	12	14 35	9	5 40	16	19 10	16	13 35	7	15 30	7	8 55	9	10 15	9	22 25	13	10 50
2	6	13 30	16	19 50	11	5 30	11	13 40	11	8 35	15	9 5	15	16 25	19	16 25	9	12 20	9	9 0	10	14 00	16	16 30
3	7	17 40	17	14 35	5	0 10	18	21 10	11	11 30	14	10 20	11	7 5	15	12 45	14	19 50	9	9 30	8	6 30	15	22 55
4	10	11 25	5	7 35	8	23 30	19	11 10	11	16 5	13	17 25	14	15 50	15	14 30	18	13 25	5	11 25	6	23 45	19	5 15
5	17	17 0	7	15 20	13	16 25	14	10 30	11	14 10	19	12 35	9	14 15	9	13 45	14	13 55	17	9 55	12	7 25	20	13 25
6	19	0 50	11	10 50	11	12 40	12	0 30	9	18 0	17	16 5	11	15 35	14	14 50	14	14 45	18	13 40	15	20 25	20	1 30
7	13	3 20	11	18 50	13	15 20	13	15 10	15	20 50	9	9 50	13	19 0	15	10 20	24	15 50	12	15 55	17	13 0	15	0 15
8	17	16 30	17	11 25	9	0 5	16	17 30	16	3 55	9	14 50	15	15 20	6	0 35	18	10 50	8	12 50	23	15 10	9	11 50
9	27	19 15	16	17 20	11	11 25	16	7 25	10	4 35	9	13 50	12	15 10	6	17 25	8	17 40	12	12 0	25	1 50	8	0 20
10	25	3 30	26	8 15	11	19 15	13	10 55	10	13 30	11	18 5	15	17 5	9	17 45	8	16 30	12	15 35	16	13 10	7	11 25
11	22	2 25	15	2 10	13	18 30	17	13 55	11	12 30	8	20 25	14	10 5	8	10 0	13	11 5	10	1 20	15	22 55	7	23 00
12	5	0 15	8	19 20	12	8 20	15	14 55	4	14 5	8	14 35	17	12 0	7	6 25	9	0 10	9	16 20	18	7 5	9	20 35
13	5	19 5	10	17 35	10	23 40	6	8 15	11	18 20	9	16 0	16	8 55	10	16 45	7	11 15	9	10 55	14	6 0	24	23 50
14	4	22 40	11	13 40	9	0 10	10	17 55	9	10 5	15	22 0	17	13 15	12	9 40	14	15 50	11	12 45	12	13 30	32	12 30
15	7	19 40	5	18 30	10	14 15	11	13 25	13	14 20	18	12 45	16	8 35	7	15 50	10	15 50	12	14 35	20	21 50	19	23 15
16	10	24 0	9	22 30	6	12 25	9	10 0	15	10 30	15	12 45	13	15 45	10	13 50	11	13 10	15	12 35	15	0 5	23	2 25
17	16	8 0	11	22 55	5	14 15	15	13 5	11	15 50	11	10 30	14	23 55	11	13 10	8	9 45	21	11 0	17	20 25	19	23 15
18	13	1 30	19	3 50	13	10 40	16	8 10	13	20 55	9	19 40	23	17 5	11	13 40	7	4 20	16	4 10	22	11 10	22	11 40
19	10	18 55	13	11 50	11	15 25	14	13 50	11	20 25	13	21 30	17	9 10	15	14 30	9	19 45	25	16 10	17	0 20	17	23 50
20	23	13 40	11	23 40	11	9 30	14	16 25	21	18 5	13	21 10	13	9 20	8	13 15	15	10 30	16	11 20	15	11 20	17	12 40
21	18	14 15	14	9 15	13	13 30	16	22 15	21	16 10	14	19 55	10	14 45	9	16 15	9	8 35	10	13 35	11	10 55	11	0 10
22	12	16 5	14	11 35	20	11 10	18	8 55	9	19 35	12	15 35	6	22 50	9	16 0	4	15 25	6	11 55	7	5 15	15	12 55
23	10	15 35	11	13 50	17	2 50	12	17 10	12	12 35	8	14 40	18	14 5	8	11 5	7	23 0	13	12 40	5	4 30	4	1 0
24	11	20 5	9	23 25	13	13 25	12	9 15	11	15 35	8	15 15	21	15 50	8	16 25	8	6 35	16	24 0	4	18 35	6	21 15
25	8	19 20	15	10 35	10	18 0	17	15 10	12	0 40	11	12 10	16	13 20	9	23 15	12	20 10	24	7 50	7	20 10	6	3 30
26	10	13 25	14	23 55	11	3 45	13	15 10	12	17 5	7	8 45	12	16 0	11	21 5	11	4 45	21	22 55	6	22 5	3	16 10
27	17	10 5	12	0 20	12	14 50	13	11 10	17	20 0	9	18 10	12	15 20	12	9 55	17	16 50	22	0 20	7	4 50	11	18 30
28	18	11 30	8	13 50	9	19 20	6	13 55	14	0 30	8	22 25	8	12 20	8	15 30	17	13 5	18	11 5	6	13 40	10	23 30
29	15	14 20	10	17 20	14	16 0	11	20 5	13	12 55	10	17 55	17	11 55	4	15 35	13	11 50	10	14 40	12	13 30	15	9 10
30	12	23 5	-	- -	16	3 35	14	18 50	16	20 20	15	13 20	10	15 10	10	17 40	10	9 45	11	13 55	17	17 55	13	3 40
31	23	16 20	-	- -	15	15 50	-	- -	12	0 25	-	- -	14	12 15	9	15 15	-	- -	19	13 55	-	- -	16	21 45

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

524 KEW OBSERVATORY: h_a = 5 metres + 23 metres 1936

Month	DISTRIBUTION OF WIND SPEED								EXTREME VELOCITIES				
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	less than 1·6 m/s.	No Record	Highest Hourly Wind			Highest Gust	
	Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Mid. Time	Speed	Date
		hr		hr	hr	hr	hr	hr	°	m/s	day h. m.	m/s	day h. m.
Jan.	---	0	4	11	145	428	160	0	215	16	9 18 30	27	9 19 15
Feb.	---	0	1	17	126	392	161	0	90	15	10 12 30	26	10 8 15
Mar.	---	0	0	0	104	446	194	0	210	8	23 16 30	20	22 11 10
Apr.	---	0	0	0	191	417	112	0	50	10	4 4 30	19	4 11 10
May	---	0	0	0	179	457	108	0	35	10	20 9 30	21	21 16 10
June	---	0	0	0	68	460	192	0	350	10	5 12 30	19	5 12 35
July	---	0	2	10	156	491	87	0	170	12	18 15 30	23	18 17 5
Aug.	---	0	0	0	50	447	247	0	210	8	2 12 30	19	2 16 25
Sept.	---	0	1	1	78	456	185	0	250	11	7 15 30	24	7 15 50
Oct.	---	0	1	1	153	495	95	0	285	11	19 16 30	25	19 16 10
Nov.	---	0	1	2	202	342	174	0	215	13	9 2 30	25	9 1 50
Dec.	---	0	5	34	180	394	136	0	190	15	14 12 30	32	14 12 30
Year	---	0	15	76	1632	5225	1851	0	215	16	Jan. 9 18 30	32	Dec. 14 12 30

TEMPERATURE IN THE GROUND AT DEPTHS OF 30 cm. (1 foot) AND 122 cm. (4 feet)

525 KEW OBSERVATORY: Readings in degrees absolute at 9h., Greenwich Mean Time 1936

Month	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	79·7	80·0	79·2	79·5	76·5	78·9	83·3	81·1	83·3	81·8	85·9	84·6	91·0	88·1	89·8	88·1	90·8	88·9	85·5	87·6	82·0	84·4	79·1	81·8
2	79·7	80·0	79·2	79·4	76·7	78·9	83·4	81·2	82·7	81·9	85·7	84·6	90·6	88·1	89·4	88·0	91·1	88·9	85·7	87·4	82·0	84·4	79·0	81·7
3	79·2	80·1	78·3	79·7	76·7	78·9	82·3	81·3	82·5	82·0	85·4	84·6	90·4	88·1	89·3	88·1	90·9	89·0	84·7	87·4	81·9	84·3	80·0	81·7
4	78·6	80·2	76·9	79·8	76·0	78·9	81·1	81·3	83·0	82·0	85·6	84·7	90·9	88·1	89·0	88·1	90·2	89·0	83·8	87·1	82·0	84·3	80·8	81·7
5	78·0	80·2	75·9	79·8	76·1	78·9	80·0	81·3	83·8	82·0	85·7	84·8	91·1	88·1	89·0	88·1	90·1	89·0	83·7	87·0	82·0	84·1	79·8	81·8
6	78·2	80·2	75·9	79·8	76·8	78·9	79·4	81·3	84·6	82·1	85·9	84·8	91·2	88·1	89·3	88·1	89·4	89·0	83·3	86·8	81·4	84·1	78·6	81·7
7	78·5	80·3	75·6	79·5	76·9	78·9	79·3	81·4	85·7	82·2	86·5	84·7	91·8	88·1	89·4	88·0	89·7	88·9	82·5	86·6	81·3	84·1	77·5	81·7
8	78·7	80·2	75·0	79·3	78·0	78·8	79·3	81·2	85·7	82·4	86·9	84·8	91·6	88·2	88·9	88·1	89·1	88·8	82·7	86·3	81·3	83·9	81·4	81·7
9	79·2	80·2	74·8	79·2	78·9	78·9	79·7	81·1	84·9	82·6	88·0	84·9	91·2	88·3	89·1	88·0	88·8	88·8	82·5	86·1	81·0	83·8	81·3	81·6
10	80·3	80·3	74·8	79·1	79·8	79·0	79·6	81·1	84·8	82·9	88·6	84·9	90·0	88·3	89·8	88·0	89·2	88·7	82·3	86·0	81·1	83·7	76·8	81·3
11	80·0	80·3	74·6	79·1	80·0	79·1	79·8	81·2	84·6	82·9	88·2	85·1	90·0	88·2	90·0	88·1	89·1	88·6	82·3	85·8	80·0	83·6	76·5	81·1
12	78·9	80·3	74·4	78·9	79·2	79·2	79·6	81·2	85·2	82·9	88·2	85·2	90·0	88·3	90·0	88·1	90·0	88·6	82·0	85·6	80·9	83·5	76·2	81·0
13	78·9	80·3	74·1	78·8	78·3	79·3	79·2	81·0	85·6	83·1	88·5	85·2	90·1	88·2	89·6	88·1	89·9	88·6	82·7	85·5	81·7	83·3	76·5	80·7
14	76·8	80·4	74·0	78·8	77·9	79·4	78·7	80·9	86·1	83·2	88·2	85·3	90·0	88·2	89·7	88·1	89·5	88·7	82·7	85·3	80·7	83·2	77·3	80·7
15	75·8	80·2	74·1	78·6	77·8	79·3	78·9	80·9	86·4	83·3	88·4	85·5	89·8	88·2	89·5	88·1	89·2	88·6	83·3	85·2	80·2	83·1	78·5	80·5
16	75·4	80·2	74·0	78·4	77·7	79·5	79·8	80·9	87·1	83·5	88·0	85·7	89·5	88·1	90·2	88·1	88·5	88·6	83·6	85·2	81·0	83·1	78·3	80·4
17	75·2	80·1	74·2	78·3	77·9	79·4	79·6	80·9	87·6	83·8	88·4	85·8	90·3	88·1	91·4	88·2	88·9	88·6	83·9	85·1	82·2	83·1	78·4	80·5
18	75·0	79·8	75·6	78·2	78·0	79·4	79·7	80·9	87·7	83·9	89·6	85·9	90·8	88·1	92·0	88·3	89·3	88·5	84·2	85·1	82·2	83·1	80·2	80·6
19	74·9	79·8	77·3	78·1	78·1	79·5	80·3	81·1	87·9	84·1	90·0	85·9	90·2	88·1	91·2	88·4	88·9	88·4	83·4	85·1	81·5	83·1	80·1	80·6
20	75·5	79·6	77·0	78·3	79·3	79·4	80·7	80·9	87·7	84·2	90·8	86·1	90·0	88·2	90·8	88·6	88·8	88·4	82·8	85·1	81·0	83·1	79·6	80·7
21	76·1	79·4	77·7	78·3	79·8	79·5	79·6	80·9	86·7	84·3	92·0	86·2	90·0	88·2	91·0	88·7	89·2	88·3	83·0	85·0	80·0	83·1	79·9	80·8
22	75·7	79·3	76·9	78·5	80·9	79·7	79·5	81·0	85·6	84·4	92·2	86·4	89·8	88·2	90·6	88·8	89·2	88·3	83·0	85·0	79·4	83·0	79·6	80·9
23	75·1	79·2	77·7	78·7	81·6	79·8	79·3	80·9	86·0	84·4	92·4	86·7	90·2	88·2	90·0	88·8	89·0	88·3	83·9	84·9	79·0	82·9	79·3	80·9
24	75·1	79·1	76·8	78·7	80·8	80·1	80·5	81·1	85·4	84·4	92·9	87·0	89·7	88·2	90·7	88·8	89·0	88·3	83·9	84·9	79·0	82·7	77·9	81·0
25	76·0	79·1	76·7	78·8	81·3	80·1	82·3	81·0	85·9	84·4	93·1	87·2	89·7	88·3	91·2	88·7	89·7	88·3	84·0	84·9	78·5	82·6	77·9	80·9
26	77·6	79·1	76·6	78·8	81·7	80·2	82·7	81·1	86·5	84·4	93·0	87·4	89·3	88·2	91·8	88·7	89·1	88·3	82·9	84·9	78·7	82·4	78·2	80·9
27	77·1	79·1	77·0	78·7	81·4	80·2	82·8	81·2	86·8	84·4	91·7	87·8	89·0	88·2	90·7	88·8	87·8	88·3	83·1	84·9	78·6	82·3	78·6	80·9
28	77·6	79·1	76·8	78·8	81·9	80·7	82·6	81·3	86·2	84·5	92·0	87·9	89·2	88·1	90·4	88·9	86·3	88·3	82·1	84·8	78·5	82·2	77·9	80·8
29	78·6	79·1	76·7	78·9	82·8	80·7	83·3	81·4	85·1	84·8	92·0	87·9	89·5	88·1	90·0	89·0	85·4	88·1	81·0	84·6	77·8	82·1	76·4	80·7
30	78·2	79·2	-	-	83·0	80·9	83·6	81·5	85·6	84·7	91·2	88·1	89·0	88·1	90·6	88·9	85·0	87·9	82·1	84·6	78·9	81·9	79·2	80·6
31	79·0	79·3	-	-	83·1	81·1	-	-	85·2	84·7	-	-	89·8	88·1	91·2	88·9	-	-	83·3	84·3	-	-	78·5	80·5
Mean	77·5	79·8	76·1	78·9	79·2	79·5	80·7	81·1	85·5	83·4	89·2	85·9	90·2	88·2	90·2	88·4	89·0	88·6	83·2	85·6	80·5	83·3	78·7	81·0
																						Year...	83·4	83·7

The initial 2 or 3 of the readings is omitted. i.e., 275·0 degrees absolute is written 75·0

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h. to 7h. G.M.T.

Readings in degrees absolute

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Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	78·4	77·7	72·8	81·4	75·7	75·3	85·2	86·4	81·0	81·9	68·6	74·8
2	77·4	76·2	73·1	82·5	72·4	74·7	85·7	81·0	85·4	82·5	78·0	76·2
3	72·5	70·0	73·4	77·4	75·3	75·8	86·4	85·3	80·9	69·7	72·9	80·8
4	74·7	63·5	67·0	73·0	80·8	74·7	86·3	82·5	84·2	69·7	72·4	79·8
5	69·2	64·2	71·3	71·3	79·2	79·3	86·9	82·3	85·7	70·3	75·9	73·6
6	76·8	69·2	70·9	75·1	76·9	76·2	83·2	84·7	84·2	72·4	70·8	71·7
7	75·7	65·9	66·4	69·1	79·1	84·4	87·8	86·4	87·4	69·3	76·6	69·7
8	73·9	66·9	72·4	72·4	81·4	81·9	83·6	84·0	83·1	71·9	78·4	66·2
9	78·3	69·1	73·7	75·9	80·3	79·7	83·2	79·7	78·6	70·7	76·3	68·4
10	80·8	72·3	76·9	75·3	81·3	82·9	82·4	81·3	82·9	76·6	77·3	75·2
11	77·1	69·0	78·0	69·7	73·1	84·1	83·1	86·8	81·3	70·8	67·7	66·9
12	74·4	61·4	76·4	70·8	74·3	84·2	84·2	82·4	85·8	70·8	81·2	69·4
13	67·5	61·3	75·1	69·7	81·9	85·2	87·8	80·8	84·8	74·8	80·5	68·3
14	64·1	70·1	72·8	65·2	77·2	81·4	84·2	82·9	78·6	73·6	70·2	76·5
15	63·6	70·8	69·1	67·6	74·2	82·0	84·6	78·1	79·1	77·0	70·8	73·7
16	70·7	69·2	68·6	71·4	82·4	79·3	83·9	81·2	77·0	77·9	82·4	74·3
17	72·7	73·3	67·0	69·1	82·9	77·7	86·7	84·6	85·6	81·3	82·6	76·7
18	66·4	74·8	67·4	68·6	79·7	81·7	86·3	87·8	83·6	79·7	78·0	83·6
19	65·8	76·9	69·1	72·3	80·7	86·2	85·8	82·3	78·3	75·3	79·1	75·8
20	74·8	71·0	72·4	70·2	78·0	87·6	83·7	86·3	83·6	74·3	74·7	77·8
21	73·1	75·7	73·0	67·4	75·3	87·6	82·3	84·2	88·5	79·7	71·9	75·7
22	66·9	66·9	78·2	74·8	70·9	86·7	77·4	77·4	81·3	76·4	70·2	72·6
23	70·1	75·9	80·3	67·4	80·9	85·2	85·2	75·9	81·3	83·1	73·7	71·4
24	70·3	70·9	70·9	77·6	77·2	83·1	84·8	80·3	85·2	75·9	74·1	68·6
25	76·0	70·2	78·1	83·0	80·7	81·8	82·6	81·8	88·6	80·3	73·0	72·9
26	77·8	73·4	79·1	79·8	80·8	87·7	79·2	86·7	82·4	75·3	75·9	77·9
27	68·7	75·3	73·0	71·7	84·1	81·9	76·4	78·8	79·7	78·3	70·9	76·2
28	76·9	66·3	73·4	70·1	80·1	83·1	82·5	78·0	75·8	75·8	72·7	71·8
29	78·6	68·0	82·9	74·1	69·7	83·7	84·2	76·7	72·4	67·6	69·1	75·7
30	73·4	-	80·2	79·1	77·4	85·4	76·5	80·1	72·3	76·3	79·7	77·6
31	79·8	-	79·7	-	75·5	-	85·2	85·8	-	82·4	-	71·9
Mean	73·1	70·2	73·6	73·1	78·0	82·0	83·8	82·3	82·0	75·5	74·9	73·9
											Year	77·3

The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0.

Note. - The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered

HEIGHT OF SURFACE OF UNDERGROUND WATER

Zero = ~~17~~ 63cm. ~~above~~ below M.S.L.

Daily Means and Extremes for months

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Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
1	235	406	357	279	242	193	180	173	168	171	169	219
2	247	403	349	277	239	192	178	173	169	173	186	301
3	259	395	342	275	235	191	178	172	171	175	198	352
4	268	388	337	274	232	189	177	172	173	176	209	338
5	277	383	332	273	230	188	177	173	174	178	214	327
6	283	377	327	273	227	188	177	174	175	179	217	316
7	286	373	324	273	225	187	177	175	175	180	217	306
8	289	370	321	269	223	187	177	175	175	180	214	299
9	293	366	317	267	221	187	177	176	175	179	211	291
10	298	361	315	266	219	187	178	177	174	178	207	284
11	329	357	312	264	218	187	178	177	173	176	206	280
12	403	351	310	262	216	186	179	176	171	174	206	275
13	456	347	307	260	215	186	178	175	170	173	207	271
14	456	344	304	258	213	185	177	174	169	173	210	267
15	446	340	300	255	211	184	177	173	168	172	215	262
16	437	333	297	252	209	183	176	172	169	171	218	261
17	426	315	293	247	207	183	176	172	170	171	219	263
18	414	324	289	244	205	182	177	171	171	171	220	266
19	405	319	285	241	204	181	177	172	172	171	221	267
20	401	317	280	239	203	181	177	173	173	170	222	270
21	390	319	277	239	202	182	177	174	173	170	222	273
22	382	321	275	242	202	183	178	175	173	170	221	271
23	377	323	273	250	202	185	179	176	173	169	219	268
24	375	328	273	256	201	185	179	178	174	169	216	265
25	373	351	274	258	201	185	178	177	173	168	213	263
26	370	371	280	257	200	185	177	176	171	167	211	261
27	368	371	286	254	199	184	176	174	170	167	209	259
28	368	368	288	251	198	183	175	172	169	165	208	257
29	399	363	289	249	197	181	175	171	169	165	205	255
30	406	-	286	246	196	181	174	170	170	165	203	253
31	404	-	282	-	195	-	174	169	-	166	-	251
Mean	359	355	303	258	213	185	177	174	172	162	~~200~~ 210	277
											Year	237

Extremes for the months:- Jan. 463, 231; Feb. 408, 316; Mar. 361, 272; Apr. 281, 238; May 244, 194; June 194, 181; July 180, 173; Aug. 178, 168; Sept. 176, 168; Oct. 181, 165; Nov. 223, 167; Dec. 365, 250.

528 KEW OBSERVATORY — JANUARY, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	Frnb:Nbst	Frnb:Nbst	8	6	10	9	10	10	H	i	H	H	F	F	...	...	●⁰	●⁰	●	...	● ●⁰ *a, p and n.*
2	Stcu	Frnb:Cu:Stcu	Stcu	10	9	9	8	9	10	H	G	H	H	G	G	...	...	...	...	...	...	●⁰ *a and p.*
3	Stcu	—	St	10	10	0	0	10	10	G	E	E	E	G	G	...	...	...	...	...	...	*f a and p.*
4	Stcu	Stcu:Acu:Cist	Stcu:Acu	10	10	9	9	9	2	H	H	H	H	G	H	...	...	...	...	...	...	
5	Stcu: Acu	Frst: Ast	St:Stcu:Ast	7	10	10	-	9	10	H	i	H	-	H	H	...	...	...	—	...	...	⌴ early *a* : ●⁰ *n.*
6	Frnb:Nbst	Stcu:Ci:Cist	Stcu:Ast:Cist	10	9	7	9	9	5	G	J	i	i	H	i	●⁰	●⁰	...	...	●⁰	...	●⁰ ● *a* : ◫ *p* : ● *n.*
7	Stcu	Frnb:Nbst	Stcu	10	10	10	6	9	9	H	H	F	i	i	H	...	●⁰	●⁰	...	...	...	● ●⁰ *a.*
8	Stcu:Ast:Cist	Frnb:Nbst	Frnb:Nbst	10	9	10	10	10	10	H	H	i	i	H	J	...	...	●⁰	●	●	...	● ●⁰ *a, p and n.*
9	Stcu	Frnb:Nbst	Frnb:Nbst	9	10	10	10	10	5	H	H	i	i	J	K	...	...	●	●⁰	●	...	● ●⁰ *a, p and n.*
10	Stcu:Ast:Cist	Cu:Stcu: Ci	Stcu	9	9	8	8	6	3	H	J	i	i	J	J	●⁰	...	...	...	...	...	● ●² early *a.*
11	Ci	Acu:Ast: Cist	Acu:Ast:Cist	4	9	9	9	10	10	K	J	J	i	H	H	...	...	...	...	...	...	◫ early : ⊕ *a.*
12	Stcu	St	St	10	9	10	-	10	10	H	G	D	-	C	X	...	...	...	—	...	...	*f a* : f F *p* : F *n.*
13	Stcu	Stcu	---	9	10	9	7	0	0	E	D	E	G	E	E	...	...	...	...	...	...	*f a* : f ⌴ *n.*
14	—	---	St	0	0	0	10	10	0	E	B	B	B	X	B	...	...	...	...	...	...	f F ⌴ *a, p and n.*
15	—	Stcu	---	0	0	9	0	0	10	A	C	D	D	E	G	...	...	...	...	...	...	F ⋁ ⌴ *a* : f *p.*
16	Stcu	St	Frnb:Nbst	10	10	10	10	10	10	H	G	D	B	F	F	...	...	...	✱	...	✱	✱⁰ ✱ f *a* : ✱ ✱ F *p* : ✱ m *n.*
17	Stcu	St:Stcu	—	10	10	9	0	0	0	H	H	i	H	H	H	...	...	...	...	...	...	✱ early *a.*
18	Frnb:Nbst	Ci:Cist	Ast: Cist	10	10	5	10	9	9	H	G	F	H	F	E	●⁰	✱	...	...	...	...	✱⁰ ● ✱ *a* : f *n.*
19	St	St:Stcu	St: Stcu	10	10	10	-	10	10	C	E	E	-	F	G	...	✱⁰	...	—	...	●⁰	f ⌴ ✱⁰ *a* : f m *p* : ●⁰ *n.*
20	Frnb	Cunb:Frnb	Frnb:Nbst	7	8	9	9	10	10	H	H	J	i	H	H	...	...	●⁰	●	●⁰	...	●⁰ ● p ●⁰ *a* : p ● *p and n.*
21	St: Stcu	Cu:Frcu:Ci	Ci: Cist	8	5	3	8	3	3	H	i	i	i	i	J	...	...	...	...	...	...	y *a and p.*
22	Stcu	Ast	Frnb:Nbst	3	7	10	10	10	4	i	G	H	G	H	H	...	...	...	...	✱	...	⌴ early *a* : ● ✱ *p.*
23	—	Cist	Cist	0	4	9	8	9	10	i	G	H	H	G	G	...	...	...	...	...	...	⌴ ⊕ *a* : ●⁰ late *n.*
24	Stcu:Ci:Cist	Cu:Cicu:Cist	Nbst	9	9	9	10	10	10	H	F	H	H	H	H	...	...	...	...	●	...	●⁰ early ⌴ *a* : ●⁰ ● *p and n.*
25	St:Stcu	St	St: Stcu	10	10	10	10	10	10	F	D	E	G	G	G	...	...	●⁰	●⁰	...	...	●⁰ f *a* : ●⁰ *p.*
26	St:Stcu	Cu	Stcu:Ci:Cist	10	2	5	-	9	3	H	H	i	-	H	G	...	...	...	—	...	...	● early *a.*
27	Stcu	Frnb:Nbst	St: Stcu	9	10	10	10	8	9	G	i	H	H	H	J	...	...	...	...	...	...	⌴ early ● *a* : ● early *n.*
28	Frnb:Nbst	Stcu:Ci:Cist	Stcu:Ast	10	9	8	10	10	10	H	H	i	i	G	H	●	●⁰	...	...	...	●	● ●⁰ *a and n.*
29	Frnb:Nbst	Frnb:Nbst	Stcu	10	10	10	10	9	3	H	H	F	G	G	H	●⁰	●⁰	●⁰	●⁰	...	...	● ●⁰ *a and p.*
30	—	Stcu:Acu:Ast	Frnb:Nbst	0	4	9	9	10	10	J	H	i	i	i	H	...	...	...	...	●⁰	●⁰	●⁰ early *a* : ● ●⁰ *p.*
31	St: Stcu	Frnb:Nbst	Stcu	10	10	10	9	9	3	H	H	F	K	K	J	...	●⁰	●	...	...	...	●⁰ ● m *a* : ●² early *p.*
Mean Cloud Am'nt.				7·8	8·0	8·3	6·1*	8·3	7·0													

529 KEW OBSERVATORY — FEBRUARY, 1936

Day	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	Cu:Stcu	Stcu:Ci:Cist	10	8	9	9	9	10	J	i	i	i	H	H	●⁰	...	...	...	...	...	● ●⁰ *a and p* : ●⁰ *n.*
2	Frnb:Nbst	Stcu	Stcu	10	10	9	-	10	10	H	i	i	-	H	i	●	...	...	—	...	...	● ●⁰ *a and p.*
3	Stcu	Cu:Stcu	Stcu	3	2	9	3	3	0	H	H	i	i	H	H	...	...	...	...	...	...	⌴ *a.*
4	---	---	---	0	0	0	0	0	3	G	G	H	i	F	F	...	...	...	...	...	...	⌴ *a* : ⌴ m *n.*
5	Stcu	Stcu:Cist	Stcu	9	9	10	10	9	9	H	G	G	H	G	G	...	...	...	...	...	...	⌴ *a.*
6	—	Ci: Cist	Ci:Cist	0	0	8	9	7	6	H	G	H	H	G	G	...	...	...	...	...	...	⌴ early *a* : y *p.*
7	—	—	—	0	0	0	0	0	0	H	G	i	i	i	H	...	...	...	...	...	...	⌴ *a* : y *p.*
8	—	Stcu	Stcu	0	5	3	1	9	0	H	G	H	H	G	H	...	...	...	...	...	...	
9	—	—	Acu	0	0	0	-	1	0	H	H	G	-	G	H	...	...	...	—	...	...	⌴ *a.*
10	Stcu	Cu:Frcu:Cist	Ast	9	9	9	9	10	10	H	J	i	i	i	i	...	...	...	...	...	...	y *a, p and n.*
11	Stcu	Stcu	Stcu:Ast	9	9	10	10	10	0	i	i	G	F	F	G	...	...	...	...	...	...	y *a* : z y *p* : y *n.*
12	—	—	Ci	0	0	0	1	2	0	H	D	E	F	G	G	...	...	...	...	...	...	⌴ early : f *a* : z y *p.*
13	—	Ci:Cist	Stcu: Acu	0	0	7	7	10	3	E	C	F	F	F	F	...	...	...	...	...	...	f ⌴ *a* : z *p and n.*
14	Ci:Cist	—	Cist	3	3	0	2	9	5	G	G	G	F	G	G	...	...	...	...	...	...	⌴ *a* : ⊕ z *p.*
15	St	St	St	10	10	10	10	10	10	B	B	X	B	D	E	...	...	●⁰	●⁰	●⁰	●⁰	●⁰ f F *a* : ●⁰ F *p* : ●⁰ f *n.*
16	Stcu	—	St	10	10	0	-	10	10	F	G	F	-	C	D	...	...	...	—	...	...	⌴ m *a* : f *p and n.*
17	Stcu	Stcu	Stcu	10	10	9	8	10	10	E	C	i	i	H	H	●⁰	...	...	...	...	...	●⁰ f early *a.*
18	Frnb:Nbst	Stcu:Acu	Cu:Stcu:Ci	10	10	9	9	2	5	H	i	i	K	K	K	...	●⁰	...	...	...	...	● ●⁰ p ●⁰ *a* : p ●⁰ *p.*
19	Stcu	Frnb:Nbst	Stcu	10	10	10	10	1	8	H	i	H	H	H	J	●⁰	●	●⁰	●⁰	...	...	● ●⁰ *a* : ●⁰ *p.*
20	—	Cu:Ci	Ci: Cicu	0	0	7	8	8	9	H	H	J	J	G	H	...	...	...	...	...	...	⌴ early *a.*
21	Stcu	Stcu	Stcu	10	10	10	10	1	0	i	i	i	i	i	F	...	...	...	...	...	...	● ●⁰ early *a* : m *n.*
22	St	Frnb	Stcu	10	10	10	10	10	7	F	F	F	G	H	...	●⁰	●	●⁰	...	...	...	f ⌴ early : ● m *a.*
23	Stcu	Stcu	Stcu	10	10	9	-	10	0	H	H	i	-	G	H	...	...	...	—	...	...	● ●⁰ *a* : ●⁰ *p.*
24	Stcu:Acu:Ast	St	St:Stcu	8	9	10	10	10	10	H	G	F	E	F	G	...	...	...	...	...	...	m f *p* : ● late *n.*
25	Frnb:Nbst	Stcu	St:Stcu	10	10	10	10	10	10	H	H	H	i	G	H	...	...	...	...	...	...	● ●⁰ early *a.*
26	Stcu	Stcu:Ci:Cist	Stcu	10	9	9	10	10	10	G	G	i	J	i	J	...	...	...	...	...	...	●⁰ *n.*
27	Stcu	Cu:Ci	Stcu	8	9	4	5	1	0	H	H	i	K	G	F	...	...	...	...	...	...	● ●⁰ *a* : y *p* : m *n.*
28	St	Cu:Ci	Stcu	10	10	4	8	9	8	B	A	H	i	G	G	...	...	...	...	...	...	F ⌴ *a.*
29	Ast	Stcu	Frnb: Ast	10	10	10	10	10	10	i	H	H	H	H	H	...	...	●⁰	●⁰	●⁰	●⁰	●⁰ *a, p and n.*
Mean Cloud Am'nt.				6·5	6·6	8·7	7·2†	8·9	5·6													

*Mean of 27 days †Mean of 25 days

530 KEW OBSERVATORY MARCH, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu:Ast	Stcu:Ast	Frnb:Ast	10	10	10	-	10	10	H	H	i	-	H	H	...	...	●⁰	—	●⁰	...	●⁰ ✱⁰ *a* : ●⁰ *p and n.*
2	Frnb:Nbst	Stcu	Stcu	10	10	10	10	10	9	H	H	i	i	H	H	●⁰	...	...	...	...	...	●⁰ *a* : ●⁰ △⁰ *p.*
3	Stcu	St: Stcu	St: Stcu	10	10	10	10	10	0	H	G	F	F	F	C	...	...	...	...	...	...	*z p* : F *n.*
4	St	St	Cist	10	10	10	10	2	10'	C	C	E	E	D	F	...	...	...	...	...	...	F ⌴ f *a* : f *p* : F m *n.*
5	Stcu	Cu	Acu	10	9	5	6	1	1	H	H	i	i	G	G	...	...	...	...	...	...	● ●⁰ early *a* : y *p.*
6	Stcu:Acu	Cu: Stcu	Stcu	4	4	9	9	9	9	H	i	K	J	H	G	...	...	...	...	...	...	● ●⁰ early *a* : y *p.*
7	Acu: Ci	Stcu	St:Stcu	3	9	9	9	10	10	D	H	i	i	H	H	...	...	...	...	●⁰	●⁰	f ⌴ early *a* : ●⁰ *n.*
8	St: Stcu	St: Stcu	St:Stcu	10	10	9	-	9	7	H	H	G	-	H	J	...	...	...	—	...	...	
9	Stcu	Stcu:Ast	Stcu	9	9	10	10	10	10	H	H	J	J	H	G	...	...	...	●⁰	●⁰	...	●⁰ early *a, p and n.*
10	Stcu	——	Stcu:Ci	10	9	0	2	3	9	F	E	F	F	G	J	...	...	...	...	...	...	●⁰ early : m f *z a* : *z p.*
11	St	St	St:Stcu	10	10	10	10	10	10	H	F	H	H	H	i	...	...	...	...	...	...	●⁰ *a.*
12	Stcu	St:Stcu	St:Stcu	10	10	10	10	10	10	i	H	H	H	H	i	...	...	...	...	...	...	
13	Stcu	Stcu	Stcu	10	10	9	9	9	9	H	H	i	i	H	H	...	...	...	...	...	...	
14	Stcu	St:Stcu	Ast	10	9	9	10	10	10	i	i	H	H	G	F	...	...	...	...	...	...	
15	Stcu	Stcu	Ast	10	10	10	-	10	10	i	H	H	-	G	G	...	...	...	—	...	...	
16	Stcu	Cu:Acu:Cicu	Stcu:Acu:Ci	10	7	4	7	10	9	H	G	i	i	G	G	...	...	...	...	...	...	y *a and p* : ⌓ *n.*
17	Acu	Ci:Cicu	Cicu	2	0	4	0	1	3	F	D	H	H	G	H	...	...	...	...	...	...	m ⌴ early : f *a.*
18	——	——	——	0	0	0	0	0	0	A	F	i	H	H	H	...	...	...	...	...	...	f ⌴ early : z y *a* : y *p.*
19	Ci:Cist	Ci:Cist:Cicu	St:Stcu	10	9	8	9	10	9	G	G	i	i	H	J	...	...	...	...	...	...	⌴ early : y *a and p* : ●⁰ *n.*
20	St:Stcu	Frnb:Acu: Ast	Stcu:Ci:Cist	10	9	9	10	9	8	H	i	i	i	H	i	●⁰	●⁰	●⁰	...	...	...	● ●⁰ *a.*
21	Cu:Acu:Ci	Frcu:Cist	Stcu:Acu:Cist	9	9	10	10	9	9	G	H	J	K	i	H	...	...	...	...	...	...	⌓ early : y *a and p.*
22	Stcu:Acu:Cist	Stcu:Acu:Ast	Acu: Ast	9	9	7	-	9	10	J	J	K	-	i	i	...	...	...	—	...	...	●⁰ late *p.*
23	Stcu:Ast	Cumb:Frnb: Ast	Stcu:Ci: Cicu	10	9	9	9	8	8	G	G	H	i	i	i	...	...	●	●⁰	...	...	● ●⁰ *a and p.*
24	Cist	Cu:Ci:Cist	Cu:Frcu:Ci	4	7	9	9	3	0	H	i	K	J	H	H	...	...	...	...	...	...	⌓ early : ⊕ 13h.
25	Stcu:Ast	Ci:Cicu	Acu:Cist	10	10	1	9	10	10	G	G	H	H	G	G	...	...	...	...	...	...	y *a and p* : ⊕ 17h.
26	Frnb:Nbst	Frnb:Nbst	Cu:Stcu	10	10	10	9	7	8	G	G	H	H	F	F	...	●	●	...	...	...	●⁰ ● *a* : ● *p* : m *n.*
27	Stcu	Cu:Stcu	Cu:Stcu:Cist	9	9	9	9	5	9	i	i	K	K	i	J	...	...	...	...	...	...	⌓ early : ●⁰ *a* : ●⁰ *n.*
28	Ci:Cist	Cu:Ci	Stcu: Cu:Ci	10	7	7	9	9	10	i	i	J	J	i	H	...	...	...	...	...	...	⌓ early.
29	Stcu	Frnb:Nbst	Stcu	10	10	10	-	10	9	i	i	H	-	i	i	...	●	●⁰	—	...	...	● ●⁰ *a* : ●⁰ *p.*
30	Stcu:Ci	Cu: Stcu	Stcu	1	9	9	9	8	2	K	K	K	K	i	i	...	...	...	...	...	...	●⁰ early : p ●⁰ a : p ●⁰ *p.*
31	Stcu:Ast:Cist	Stcu:Acu:Ci	Cu:Stcu	9	9	8	9	9	9	i	J	i	K	K	K	...	...	●⁰	...	...	...	p ●⁰● *a* : ●⁰ late *n.*
Mean Cloud Am'nt.				8·4	8·5	7·9	*8·2	7·7	7·6													

531 KEW OBSERVATORY APRIL, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Frnb:Ast	Frnb:Nbst	Frnb:Nbst	10	10	10	10	10	10	i	H	i	i	i	H	...	●⁰	...	...	...	●⁰	● ●⁰ ● *a and p* : ●⁰ *n.*
2	Stcu	Stcu	Frnb:Nbst	10	10	10	10	10	10	H	H	i	i	G	i	...	...	...	...	...	...	●⁰ early *a and p.*
3	Stcu	Stcu	Stcu: Ast	10	10	10	10	10	10	i	H	H	i	H	J	...	...	...	...	...	...	●⁰ ✱ *p.*
4	Frnb:Stcu	Stcu: Acu	Ci	10	10	9	7	3	3	J	i	i	i	i	H	...	...	...	...	...	...	● ●⁰ early *a* : y *p.*
5	Stcu: Acu	Stcu	Stcu	7	9	10	-	10	10	i	i	H	-	H	H	...	...	...	—	...	...	y *p and n.*
6	Stcu	Stcu	Stcu	10	10	10	10	7	10	J	i	i	H	H	F	...	...	...	...	...	...	y *a and p* : z *n.*
7	Stcu:Cist	Cu:Stcu	Stcu	8	9	8	9	10	8	i	i	i	i	H	i	...	...	...	...	...	...	
8	Stcu	Stcu	Stcu	10	10	10	7	9	9	J	i	i	i	i	H	...	...	...	...	...	...	
9	Stcu	Stcu	——	10	10	10	4	0	6	i	i	i	i	i	J	...	...	...	...	...	...	y *p and n.*
10	Stcu	Stcu	Ci	9	7	7	1	9	3	i	i	i	i	H	H	...	...	...	...	...	...	y *p.*
11	Stcu	Cu:Stcu	Cu:Stcu	10	9	6	8	5	0	J	J	J	i	i	H	...	●⁰	...	...	...	...	●⁰ *a* : p ● ▲ *p.*
12	Stcu	Cu:Stcu	Stcu	9	9	9	-	8	3	H	H	i	-	H	H	...	...	...	...	...	...	y *a* : ✱ ●⁰ *p* : ●⁰ *n.*
13	Frnb:Nbst	Stcu:Ast	Cu:Stcu: Acu	10	10	10	10	5	10	H	H	H	H	H	G	●⁰	...	●⁰	●⁰	...	...	✱ ●⁰ *a* : ●⁰ *p.*
14	——	Cu:Stcu:Cist	Stcu	0	7	10	9	10	10	H	E	i	H	i	H	...	...	...	...	...	...	⌴ early : f *a* : y *p.*
15	Stcu:Acu:Cist	Cu:Stcu: Ast	Stcu:Acu:Cist	9	9	8	9	9	10	G	H	i	i	H	H	...	...	...	...	...	...	⌴ early *a.*
16	Stcu	Cu:Stcu	Cumb:Acu:Ci	10	9	10	9	6	3	H	i	H	H	H	i	...	...	...	...	...	...	
17	Cist	Cu:Stcu	Cu: Acu: Ci	3	4	7	6	9	1	i	i	i	i	i	J	...	...	...	...	...	...	⌴ early : y *a, p and n.*
18	——	Cu:Stcu	Cu:Stcu	0	3	6	7	5	0	i	J	i	i	i	i	...	...	...	...	...	...	⌴ early : y *a, p and n.*
19	Cu:Stcu	Cu:Stcu	Cu:Stcu	3	2	7	-	7	2	i	J	J	-	i	H	...	...	...	...	...	...	y *a, p and n.*
20	Stcu:Ast	Frnb:Nbst	Cu:Stcu	10	10	10	10	8	0	i	i	H	H	i	H	...	●	●	...	...	...	●⁰ ● *a and p.*
21	Ci:Cist	Stcu:Ast	Frnb:Nbst	10	9	10	10	10	10	G	H	i	i	H	H	...	...	...	●	●⁰	●⁰	⌴ early : y *a* : ● ✱ *p* : ● ●⁰ *n.*
22	Stcu:Acu:Ci	Cu: Stcu	Stcu:Acu: Ci	8	7	8	8	8	0	i	J	J	J	H	i	●⁰	...	...	...	...	...	● ●⁰ *a* : p ● p ✱⁰ *p.*
23	——	Cu:Acu:Cist	Stcu: Ast:Acu	0	0	9	9	10	10	H	i	J	J	i	J	...	...	...	...	...	●⁰	⌴ early : y *a and p* : ●⁰ *n.*
24	Stcu	Cu	Cu: Acu:Ci	8	8	7	5	7	9	H	J	J	K	K	J	...	...	...	...	...	●⁰	● ●⁰ early *a* : ●⁰ *n.*
25	Stcu	Stcu	Stcu:Frnb:Nbst	10	10	10	10	10	10	K	i	J	i	i	H	...	...	...	...	●⁰	●⁰	●⁰ *n.*
26	Cu:Acu:Ci	Cu:Acu: Ast	Cu:Acu:Ast	4	8	9	-	4	0	i	J	K	-	K	J	...	...	...	—	...	...	●⁰ early : p ●⁰ *a* : p ●² ▲² *p.*
27	——	Cu:Stcu	Cu:Acu	0	8	9	8	3	7	J	K	i	i	i	H	...	...	...	...	...	...	⌓ early *a* : y *p* : p ●⁰ *n.*
28	——	Cu: Ci:Cist	Cu:Acu:Ci	0	6	8	9	9	8	G	H	H	J	i	i	...	...	...	...	...	...	⌓ early : y *a and p.*
29	Acu: Ci	Cu:Stcu	Cu:Stcu	1	9	9	9	1	9	H	H	i	J	i	H	...	...	...	...	...	...	⌓ early : y *a and p.*
30	Stcu	Cu:Stcu	Cu:Stcu	9	8	7	6	5	5	i	K	J	J	i	J	...	...	...	...	...	...	y *a and p.*
Mean Cloud Am'nt.				6·9	8·0	8·0	8·8	†8·1	7·2	6·2												

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms.			Cloud Amount (All Forms)						Visibility						Precipitation						

DD—4

*Mean of 26 days †Mean of 26 days.

532 KEW OBSERVATORY — MAY, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	Stcu	Stcu:Ci:Cist	10	8	9	9	8	9	i	i	H	H	H	H	...	...	...	...	...	...	
2	Stcu	Stcu	Stcu	9	9	9	8	3	0	i	i	i	i	i	i	...	...	...	...	...	...	
3	St:Stcu	Stcu	Stcu	10	10	3	-	9	9	i	i	H	-	H	H	...	...	...	—	...	...	
4	Stcu	Cu: Acu	Acu	9	6	3	4	1	0	H	H	i	i	i	H	...	...	...	...	...	...	y *a and p*.
5	St:Stcu	Cu:Acu	Cu:Acu: Ci	10	10	1	0	5	4	F	G	i	i	i	H	...	...	...	...	...	...	m early : y *a and p*.
6	Acu	Cu:Cicu	Cu:Cunb:Acu	7	3	1	3	7	1	F	G	i	K	K	J	...	...	...	...	...	...	m early : y *a and p* : ⊤ *n*.
7	St:Stcu	Stcu	—	10	9	9	7	0	9	H	H	i	H	i	H	...	...	...	...	...	...	
8	Stcu	Stcu	St:Stcu	10	10	10	10	10	10	i	i	i	i	i	i	...	...	...	...	...	...	
9	Stcu	St:Stcu	St:Stcu	10	10	10	10	10	10	i	i	i	i	i	H	...	...	...	...	...	...	
10	Stcu	Stcu	Cu:Stcu:Acu	10	10	9	-	8	9	i	i	i	-	i	H	...	...	...	—	...	...	
11	St:Stcu	Cu	Cu	10	7	6	8	6	9	H	J	J	J	J	i	...	...	...	...	...	...	y *a, p and n*.
12	Stcu	Cu	Acu:Ast: Cist	9	10	6	10	9	9	F	H	H	G	G	H	...	...	...	...	...	...	m ⌓ early *a*.
13	Stcu:Acu	Cu: Acu	Cu:Acu: Ast	9	9	6	7	10	7	H	H	J	J	K	K	...	...	...	...	...	...	y *a and p*.
14	Acu:Ci:Cist	Cu	Cu: Ci	10	8	7	8	7	7	i	K	K	K	K	J	...	...	...	...	...	...	y *a and p*.
15	Stcu: Ci:Cist	Cu: Stcu:Cist	Cu:Ci: Cist	9	9	10	9	10	9	i	J	K	J	K	i	...	...	...	...	...	...	y *a, p and n*.
16	—	Cu	Cu	0	1	5	7	1	0	i	i	i	H	i	i	...	...	...	...	...	...	y *a, p and n*.
17	St:Stcu	Stcu	—	10	8	5	-	9	0	G	H	i	-	H	H	...	...	...	—	●⁰	...	⍂ ● *p* : F late *n*.
18	Cunb: Acu	Cu	—	1	1	1	0	0	1	H	H	i	i	i	J	...	...	...	...	...	...	F ⌓ early : y *a, p and n*.
19	—	Cu	Cu	0	0	1	4	1	0	i	i	K	K	K	K	...	...	...	...	...	...	y *a, p and n*.
20	Ci:Cist	Cu:Ci:Cist	Cu:Stcu	3	7	3	9	9	8	J	K	K	K	J	J	...	...	...	...	...	...	y *a, p and n*.
21	Cu	Cu:Stcu	Cu:Stcu:Acu	5	9	7	7	6	3	J	J	J	J	J	J	...	...	...	...	...	...	p ●⁰ *a* : p ● *p* : p ●² *n*.
22	Cu:Acu:Cist	Cu:Acu:Ci	Cu:Stcu	9	8	9	9	10	10	i	J	J	J	i	i	...	...	...	...	...	...	⊤ *p* : ● ●⁰ *n*.
23	Frnb:Ast	Stcu: Ast	Cu:Stcu:Acu	10	10	10	10	6	1	H	i	i	i	i	i	●⁰	●⁰	...	...	...	...	● ●⁰ *a* : y *p*.
24	Stcu	Cu:Stcu	Cu:Acu:Ci	9	6	9	-	9	8	i	i	i	-	J	J	...	...	...	—	...	...	y *a and p*.
25	Stcu	Cu:Cist	Stcu	9	6	9	8	9	9	H	H	i	i	H	H	...	...	...	...	...	...	y *a and p*.
26	Stcu	Cu:Cist	Cist	9	9	9	8	3	10	H	H	J	J	i	J	...	...	...	...	...	...	
27	Stcu	Stcu	Stcu:Acu	10	10	10	8	5	7	i	i	i	J	J	i	...	...	...	...	...	...	●⁰ early *a* : y *p*.
28	Stcu	Cu: Stcu	Cu:Stcu	9	9	9	9	9	9	K	K	J	J	J	J	...	...	...	...	...	...	
29	Ci:Cist	Cu: Ci	Stcu:Acu	9	3	6	9	9	8	i	J	J	J	J	i	...	...	...	...	...	...	y *a and p*.
30	Stcu	Cu:Stcu	Cu:Cunb:Stcu	9	9	9	10	9	10	i	i	J	i	i	J	...	...	...	●⁰	...	...	● ●⁰ *a and p*.
31	Cu	Cu:Stcu	Cu:Stcu:Acu	1	7	8	-	7	9	i	J	K	-	J	i	...	...	...	—	...	...	y *a and p* : p ●⁰ *n*.
Mean Cloud Am'nt.				7·9	7·5	6·7	*7·3	6·6	6·3													

533 KEW OBSERVATORY — JUNE, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Ci:Cist	Cu:Stcu	Cu:Acu:Cist	9	7	7	9	9	9	J	J	K	K	K	i	...	...	...	...	...	...	p ●⁰ *p* : p ● q *n*.
2	Frnb:Nbst	Frnb:Nbst	Cu:Cunb:Ci	10	10	10	8	7	4	i	J	J	J	J	J	●⁰	●⁰	●	...	...	...	●⁰ ● *a* : ● ●² *p*.
3	Cunb:Frnb	Cunb:Stcu:Ci	Cu:Cunb	9	8	8	9	9	10	i	J	K	K	K	H	●⁰	...	...	●⁰	...	●⁰	p ●² ▲² p ● *a* : p ●⁰ *p and n*.
4	Stcu	Cu:Stcu	Cunb:Stcu	10	10	8	4	9	8	i	i	J	i	i	H	...	...	...	...	...	...	⊤ p ● *p* : p ● *n*.
5	St:Stcu	Stcu:Cu	Cu:Ci	10	10	6	3	2	1	i	i	J	J	J	i	...	...	...	...	...	...	●⁰ ● early *a*.
6	Ci:Cist	Stcu:Acu:Ast	St:Stcu:Ast	7	7	10	10	10	10	i	i	K	K	J	J	...	...	...	...	●⁰	...	y ●⁰ *a* : ●⁰ *p and n*.
7	Frst: Ast	Stcu:Ast	Stcu:Cu:Acu	10	10	10	-	9	9	i	H	i	-	J	H	...	●	...	—	...	...	●⁰ ● *a*.
8	—	Cu	Cu:Cist	0	4	6	7	7	9	J	J	K	K	K	J	...	...	...	...	...	...	y *a, p and n*.
9	Cist	Cu	Cu	9	6	7	7	3	1	J	J	J	K	J	J	...	...	...	...	...	...	y *a, p and n*.
10	St	Stcu:Ast	Stcu	10	10	10	9	10	9	i	i	J	J	i	i	...	...	...	...	...	...	●⁰ *a*.
11	Stcu	Stcu:Ast	Stcu:Ast	9	3	10	10	9	9	i	H	i	i	J	J	...	...	...	...	...	...	
12	St:Stcu	Frnb:Stcu:Ast	Stcu:Ast	10	9	9	10	9	10	i	J	i	i	J	J	...	...	●⁰	●⁰	...	●⁰	● ●⁰ *a, p and n*.
13	Frnb:Nbst	Frnb:Nbst	St:Stcu:Ast	10	10	10	9	9	10	i	i	i	i	i	i	●	●⁰	●⁰	...	...	●⁰	● ●⁰ *a* : ●⁰ *p and n*.
14	St:Stcu	Cu:Stcu: Acu	Stcu:Acu:Ast	10	2	9	-	9	10	H	i	K	-	K	J	...	...	...	—	...	●⁰	●⁰ early *a, a and* late *p*.
15	Ci:Cist	Cu:Stcu	Cu:Stcu	7	10	9	7	7	9	K	K	K	K	K	K	...	...	...	...	...	...	● ●⁰ early : p ●⁰ *a* : y *p and n*.
16	Stcu:Ci:Cist	Stcu: Ci	Ci	4	9	8	7	1	0	J	K	K	K	K	i	...	...	...	...	...	...	y *a and p*.
17	Frcu:Cu: Acu	Acu	Acu	3	1	1	0	1	1	i	J	1	K	K	K	...	...	...	...	...	...	y *a, p and n*.
18	St:Stcu	St:Stcu: Acu	Ci	9	10	10	9	9	1	H	F	G	G	i	i	●⁰	●²	...	...	...	...	●⁰ ● ⍂ ●² *a* : ⍂ *n*.
19	Ci	Cunb:Stcu: Act	Ci	1	1	9	1	2	9	i	i	i	H	H	H	...	...	...	...	...	...	⍂ early : ⊤ *a* : ⍂ ●² ▲ *p* : ⍂ ●² *n*.
20	Cunb: Ci	Cu: Ci	Cu:Frcu:Ci	2	9	5	4	1	5	G	G	K	K	J	i	...	...	...	...	...	...	⍂ early *a and* late *p*.
21	Acu:Ci:Cicu	Cunb:Acu:Ci	Cunb:Stcu:Ast	3	9	7	-	10	10	H	i	K	-	K	H	...	...	...	—	...	●²	⍂ ●² *n*.
22	Stcu:Acu:Ci	Cu: Ci	Cu: Ci	9	4	6	6	2	6	i	K	1	1	1	K	...	...	...	...	...	...	⌓ early : y *a, p and n*.
23	Stcu	Cu: Ci	Cu: Stcu	9	1	6	6	6	7	i	i	K	K	K	K	...	...	...	...	...	...	●⁰ early : y *a, p and n*.
24	Ci	Cu: Ci	Cu: Stcu	1	4	6	6	6	5	i	J	J	K	K	J	...	...	...	...	...	...	⌓ early : y a, *p and n*.
25	Ci	Cu: Ci	Cu: Ci	1	4	7	7	9	10	i	i	J	J	i	H	...	...	...	...	...	...	⌓ early : ⊕ *p* : ● late *n*.
26	St:Stcu	Frnb:Nbst	Stcu	10	10	10	10	10	6	H	H	H	H	H	G	●⁰	●⁰	●⁰	...	...	...	● ●⁰ *a* : F *p*.
27	Frst:St	Cu	Stcu:Acu	10	4	7	9	5	1	i	i	i	i	J	J	...	...	...	...	...	...	F early : y *p*.
28	Stcu:Acu	Cu: Stcu: Ast	Cu: Acu: Ci	8	3	10	-	8	9	J	J	J	-	K	J	...	...	...	—	...	...	y *p*.
29	Stcu	Stcu:Ast	Frnb:Nbst	9	10	10	10	10	10	H	G	H	i	H	G	...	●⁰	...	...	...	●²	●⁰ *a* : ⊤ ●² *p* : ●² ● *n*.
30	Cu:Acu:Ci	Cunb:Acu:Ci	Stcu:Act:Ast	8	9	9	9	9	10	K	K	K	K	K	K	...	...	...	...	...	●⁰	● p ●⁰ *a* : ●⁰ *n*.
Mean Cloud Am'nt.				7·2	6·8	8·0	†7·2	6·9	6·9													

Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
	Cloud Forms			Cloud Amount (All Forms)						Visibility						Precipitation						

*Mean of 26 days †Mean of 26 days

534 KEW OBSERVATORY JULY, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	Cu:Acu:Cist	Cu:Ci	10	9	9	7	4	7	J	J	K	K	K	K	...	...	...	...	...	...	y *p* : ●⁰ late *n*.
2	Stcu: Ast	Cu: Stcu:Ci	Cu:Acu:Cist	10	10	9	9	9	9	J	J	K	K	K	K	●⁰	...	●⁰	...	...	...	●⁰ ● p ●⁰ *a* : p ● *p and n*.
3	Stcu	Cu:Stcu	Cu:Stcu	9	9	9	10	10	10	J	K	K	K	K	K	...	...	...	●⁰	...	...	●⁰ early : p ●⁰ *a* : ●⁰ *p and n*.
4	Stcu:Acu:Ci	Cu:Stcu:Acu	Cu:Stcu	7	8	9	10	10	9	J	K	K	K	K	J	...	...	...	...	...	...	●⁰ early.
5	Stcu:Acu:Ast	Cu:Acu	Cu: Acu	9	9	6	-	6	6	K	K	K	-	K	K	...	...	...	—	...	...	y *p*.
6	Frst:Stcu	Cu:Stcu	Cu:Stcu	10	9	9	9	7	6	i	i	K	K	K	K	...	...	...	...	...	...	⌓ early.
7	Stcu	Cu:Ast:Acu	Cunb:Acu:Ast	9	10	10	10	9	10	J	i	J	J	K	K	...	...	...	●⁰	...	...	⊤ ●⁰ *p* : p ●⁰ *n*.
8	Frst:Stcu:Ci	Cu:Cunb:Acu	Cu:Acu:Cist	8	9	7	7	9	9	K	K	K	K	K	J	...	...	...	...	...	...	y p ●⁰ *p*.
9	Cu:Stcu:Ast	Frnb:Nbst	Frnb:Nbst	9	10	10	10	9	7	J	H	H	H	i	J	...	●	●	●	...	...	● *a* : ● ●⁰ *p*.
10	Stcu	Cu:Ast:Cist	Cu:Stcu:Ast	9	9	9	9	10	10	J	K	K	K	J	H	...	...	...	...	...	...	● *a* : ●⁰ *p and n*.
11	Acu lent:Ci	Cu:Stcu	Cu:Frnb:Ast	2	9	9	10	9	10	K	K	K	K	J	J	...	...	●⁰	●⁰	●⁰	●⁰	●⁰ p ●⁰ *a* : p ●² ●⁰ *p* : p ●⁰ *n*.
12	Stcu: Acu: Ci	Cu:Stcu:Ast	Stcu	8	9	10	-	10	10	K	K	K	-	J	J	...	...	...	—	●⁰	●⁰	●⁰ ● *p and n*.
13	Stcu:Ast: Acu	Cu:Stcu:Acu	Cu:Stcu:Acu	8	9	9	9	7	6	K	K	K	K	K	K	...	...	...	...	...	...	●⁰ early *a*.
14	Acu:Stcu:Ast	Cu:Stcu: Ci	Cu:Stcu:Ast	9	9	9	9	10	10	K	K	K	K	K	i	...	...	...	...	...	●⁰	● ●⁰ *n*.
15	Frnb	Cunb:Ast:Acu	Cu:Acu:Cicu	10	9	9	9	6	5	H	J	J	K	K	J	●	...	...	...	...	...	● ●² early *a* : p ●⁰ *n*.
16	Stcu	Cu:Stcu:Acu	Cu:Stcu:Acu	6	7	9	9	9	9	K	K	K	K	K	J	...	...	...	...	...	...	
17	Stcu	Cu:Stcu:Cist	Cunb:Ast:Cist	10	9	9	9	9	1	i	J	K	K	K	J	...	...	...	...	...	...	●⁰ early *a*.
18	Stcu	Stcu	Cu:Acu:Ci	9	9	9	8	8	10	K	K	K	K	K	J	...	...	...	...	...	●⁰	●⁰ *a and n*.
19	Frst:Stcu	Cu:Stcu	Frnb:Stcu	9	9	9	-	10	10	K	K	K	-	i	i	...	...	...	—	●	...	●⁰ early *a* : ●⁰ ●² *p*.
20	Frst	Cu:Acu: Ast	Cu:Stcu	1	5	10	9	9	9	K	K	K	K	J	J	...	...	...	...	...	...	●⁰ *a* : ●⁰ p ●⁰ *p*.
21	Stcu:Acu lent	Cu: Stcu	Cu: Ast: Ci	8	9	9	10	9	9	J	K	K	K	J	J	...	...	...	●	...	...	●⁰ ● *p*.
22	Acu	Cu: Stcu: Ci	Cu:Stcu	1	6	9	9	9	8	i	J	K	K	K	J	...	...	...	...	...	...	⌓ early : y *a and p*.
23	Frnb:Nbst	Frnb: Nbst	Frst:Stcu	10	10	10	10	9	4	i	H	i	i	K	K	...	●	●⁰	●⁰	●⁰	...	● ●⁰ *a* : ●⁰ *p*.
24	Cu: Stcu	Cu: Stcu	Cu	9	9	6	7	3	1	K	K	K	K	K	K	...	●⁰	...	...	...	...	●⁰ p ●⁰ *a*.
25	Stcu	Cunb:Acu:Ci	Cunb:Acu:Ci	8	8	9	9	6	2	K	K	K	1	K	K	...	...	...	●⁰	...	...	⌓ early : ⊤ p ●⁰ *a* : p ● *p*.
26	Stcu: Acu lent	Cu:Acu:Ast	Cu:Acu:Ast	2	7	9	-	9	4	K	K	J	-	J	K	...	...	...	—	...	...	⌓ early : ●⁰ *a* : ●⁰ *p* : ●⁰ ≤ *n*.
27	Acu lent	Cu: Stcu	Cu:Cist:Ci	1	5	8	8	3	9	J	K	1	1	1	K	...	...	...	...	...	...	⌓ early *a* : y *p*.
28	Stcu:Acu:Cist	Frnb: Nbst	Cunb: Stcu:Acu	9	9	10	10	9	9	J	J	i	i	G	H	●⁰	...	●	...	...	...	●⁰ early : ● ⊤ *a* : ●⁰ *p* : ● ●⁰ *n*.
29	Stcu	Cunb:Stcu:Ci	Cu:Stcu: Acu	9	10	8	9	9	7	i	H	J	K	J	J	...	●	...	...	...	...	● p ● *a* : ●⁰ *p*.
30	Cist	Cu: Ci	Acu: Ast	9	9	7	8	9	9	F	H	K	K	K	J	...	...	...	...	...	...	f ⌓ *a* : y *p* : ●⁰ *n*.
31	Stcu	Frnb:Nbst	Stcu: Acu	10	10	10	10	8	9	J	J	J	i	i	i	●⁰	●⁰	●⁰	...	...	...	● ●⁰ *a* : ●⁰ *p and n*.
Mean Cloud Am'nt.				7·7	8·6	8·8	*9·0	8·2	7·5													

535 KEW OBSERVATORY AUGUST, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	St:Stcu	Stcu:Acu	9	10	10	10	10	2	i	i	J	i	J	J	...	●⁰	●⁰	...	...	...	●⁰ ● *a* : ●⁰ *p*.
2	Stcu	Frnb:Nbst	Cu: Stcu	10	10	10	-	6	9	i	i	J	-	K	J	...	...	●⁰	—	...	...	●⁰ ● *a* : ●⁰ *n*.
3	Stcu	Cu:Stcu:Acu	Cu:Stcu: Acu	9	9	8	9	8	2	K	K	K	K	K	K	...	...	...	...	...	...	y *p*.
4	Stcu	Cu:Stcu	Cu: Acu	7	9	8	9	7	4	K	J	K	K	K	K	...	...	...	...	...	...	⌓ early.
5	Stcu	Cu:Stcu: Ci	Cu:Stcu: Acu	9	9	9	9	6	7	i	J	K	K	K	K	...	...	...	...	...	...	
6	Stcu	Stcu:Ast:Acu	Frnb:Nbst	9	9	10	10	10	9	i	J	K	K	i	J	●⁰	...	●	...	●	...	●⁰ *a* : ●⁰ ● *p* : ●² ●⁰ *n*.
7	Stcu	Stcu	St:Stcu	10	10	10	10	10	10	J	J	J	J	i	i	...	...	...	...	...	...	●⁰ early : ●⁰ *p*.
8	Stcu:Acu	Stcu	Cu	5	9	9	9	1	0	i	H	i	J	J	J	...	...	...	...	...	...	
9	Cist	Cu:Stcu: Ci	Cu:Stcu	9	9	8	-	9	0	H	H	i	-	i	J	...	...	...	—	...	...	⌓ early.
10	Stcu:Acu	Cu: Stcu	Cunb: Stcu	9	9	7	5	9	10	G	F	i	i	i	i	...	...	...	...	●⁰	...	⌓ early : ⊤ *p* : ●⁰ *n*.
11	Frnb:Nbst	Stcu:Ast	Cicu:Stcu	10	9	10	10	3	1	H	H	J	i	i	G	●⁰	...	...	...	...	...	● ●⁰ early *a* : ⌓ *n*.
12	Stcu: Ci:Cist	Cu:Stcu: Acu	Cu:Stcu: Acu	6	10	9	9	9	9	J	i	K	K	K	J	...	...	...	...	...	...	⌓ early.
13	Stcu:Acu	Cu:Stcu: Acu	Cu:Acu:Ci	9	9	9	9	7	4	J	J	J	J	K	K	...	...	...	...	...	...	⌓ early *a, and* late *n*.
14	Stcu	Stcu: Ci	Stcu	9	9	9	9	4	1	K	K	K	K	K	K	...	...	...	...	...	...	⌓ early *a, and* late *n*.
15	St	Cu:Ci	Acu	10	4	8	4	3	1	D	J	J	J	J	J	...	...	...	...	...	...	⌓ f early *a* : ⌓ *n*.
16	St	Cu	Cu: Ci	10	0	4	-	3	0	C	i	K	-	K	K	...	...	...	...	...	...	F early *a* : y *p* : ⌓ *n*.
17	Stcu: Ci	Cu: Ci	Cu: Acu:Cicu	3	4	2	2	7	3	i	i	K	K	K	J	...	...	...	...	...	...	⌓ early.
18	Stcu:Frst	Cu:Acu	Cu: Acu: Ci	10	10	8	6	4	9	i	i	J	K	i	K	...	...	...	...	...	...	y *p and n*.
19	Ast	Stcu	Cu:Stcu	10	10	10	10	10	10	i	i	K	i	J	J	...	...	...	●	...	●⁰	●⁰ early *a* : ● ●⁰ *p and n*.
20	Stcu: Frst	Cu: Cist	Cu: Acu: Ci	10	9	9	9	9	5	J	J	K	K	K	J	...	...	...	...	...	...	⌓ *n*.
21	Frst:Stcu:Acu	Cu: Stcu: Cist	Cu: Stcu:Acu	9	9	10	9	9	9	J	J	J	J	i	i	...	...	...	...	...	...	⌓ early.
22	—	Cu:Stcu:Ci	Cu:Stcu: Acu	0	1	8	8	3	1	i	i	K	K	J	J	...	...	...	...	...	...	⌓ early : y *p* : ⌓ *n*.
23	Ci	Cu:Ci	Cu: Ci	1	0	1	-	1	0	H	i	J	-	K	J	...	...	...	...	...	...	⌓ early : y *a and p* : ⌓ *n*.
24	Ci	Cu:Ci	Ci	2	2	6	7	5	1	H	i	K	K	K	J	...	...	...	...	...	...	⌓ early.
25	Stcu	Cu:Stcu: Ci	Cu: Stcu:Acu	1	3	4	7	1	9	F	i	J	J	J	J	...	...	...	...	...	...	m ⌓ early : ⌓ *n*.
26	Stcu	Cu:Stcu	Ci	10	9	6	1	1	0	J	J	J	K	K	K	...	...	...	...	...	...	y *p*.
27	Cu:Stcu	Ci	Ci	5	7	3	0	2	7	G	i	J	i	J	K	...	...	...	...	...	...	⌓ early : y *p*.
28	St	—	—	10	10	0	0	0	0	D	F	i	i	J	J	...	...	...	...	...	...	Fe early : y *p* : ⌓ *n*.
29	St	—	Ci	10	0	0	2	1	0	B	F	i	J	J	J	...	...	...	...	...	...	Fe early : y *a and p* : ⌓ *n*.
30	Ci:Cist	Cu:Cicu:Ci	Acu:Cist	7	7	7	-	9	5	i	J	J	-	J	i	...	...	...	...	...	...	⌓ early : y *a and p*.
31	Frst:Stcu:Acu	Stcu	Stcu	3	8	9	9	9	9	J	K	K	K	i	i	...	...	...	...	...	...	
Mean Cloud Am'nt.				7·5	7·2	7·1	†7·0	5·7	4·4													

Day	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day

*Mean of 27 days †Mean of 26 days

536 KEW OBSERVATORY — SEPTEMBER, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu:Ci	Stcu	Cu:Acu:Ci	3	9	10	9	9	10	i	K	J	J	i	J	...	...	...	...	...	...	⌓ early.
2	Cu:Stcu:Ci	Stcu:Ci:Cist	Stcu: Acu: Ci	9	9	10	9	8	4	i	i	K	J	J	J	...	...	...	...	...	...	⌓ late *p*.
3	Stcu	Stcu	Frnb:Cu: Ast	9	9	10	10	9	2	i	i	J	K	J	K	...	...	...	...	...	...	⌓ early : p ●⁰ *a* : ● *p*.
4	Stcu: Ast	Frnb:Ast	Cu:Stcu:Ci	9	10	10	9	8	4	J	i	K	K	K	l	●⁰	●⁰	●⁰	...	...	...	● ●⁰ *a* : ● ⁵ᵐ (gusts) *p*.
5	Stcu:Frst	Cu:Stcu:Frnb	Cu:Stcu:Frnb	9	9	9	9	9	9	K	K	i	J	J	J	...	...	●²	●	...	...	●⁰ early : ⌇ ●² *a* : ⌇ ●² ● *p*.
5	Stcu	Cu:Stcu	Stcu:Ast	9	9	9	-	9	9	m	l	l	-	K	J	...	...	...	—	...	●⁰	◊ early *a* : ●⁰ *p*.
7	Frnb:Stcu	Cu	Cu:Stcu	9	6	6	5	6	9	K	l	l	K	K	J	●⁰	...	...	...	...	●⁰	●⁰ early *a and* late *p*.
8	Frnb:Nbst	Cu:Stcu	Stcu	10	10	7	9	9	4	J	i	K	K	K	K	●⁰	●⁰	...	...	...	...	●⁰ *a*.
9	St	St:Stcu	Stcu:Acu	10	10	10	9	8	4	G	H	G	i	i	i	...	...	●⁰	...	...	...	●⁰ *a and* late *p*.
10	Frnb:Nbst	Stcu:Cu	Cu: Stcu:Ci	10	10	10	9	2	8	G	F	K	K	K	J	●	●⁰	●⁰	...	...	...	● ●⁰ p ●⁰ *a*.
11	Stcu:Acu:Ci	Frcu:Ci	Acu:Ci:Cist	3	6	1	3	6	9	i	i	K	K	J	J	...	...	...	...	...	...	⌓ early *a* : y *p*.
12	Stcu:Ast:Acu	Stcu:Ast	Cunb:Stcu	9	10	10	9	9	5	i	i	J	i	i	i	...	●⁰	●	...	...	...	●⁰ *a* : ⊤ ● p ●² *p* : p ●⁰ *n*.
13	St:Stcu	Cu:Ci	Cu	10	10	6	-	5	0	i	G	i	-	K	K	...	...	...	—	...	...	●⁰ early *a*.
14	Stcu:Acu:Ci	Cu	Cu:Stcu:Acu	3	6	6	5	8	3	G	G	l	K	K	K	...	...	...	...	...	...	⌓ *a* : ⊤ p ●⁰ *p* : ⌓ *n*.
15	Stcu	Stcu:Acu:Ci	Cu: Cunb	9	9	8	9	9	2	i	i	i	i	i	F	...	...	...	●⁰	...	...	⌓ early : ⌇ ● ●⁰ *p* : m ⌓ *n*.
16	St: Stcu	Cu: Ci	Stcu:Cist	9	8	5	10	9	10	F	H	J	J	i	i	...	...	...	...	...	●⁰	⌓ early : p ●⁰ *p* : ●⁰ *n*.
17	St: Stcu	Stcu	Cu:Stcu:Ast	10	9	9	9	10	10	H	H	i	i	i	H	...	...	...	...	...	...	●⁰ p ●⁰ *a*.
18	St: Stcu	Acu	Stcu:Acu:Cicu	9	9	9	8	9	0	i	i	i	i	G	C	...	...	...	...	...	...	F *n*.
19	St	St	Ci:Cist	10	10	10	10	5	1	E	F	G	H	G	i	...	...	...	...	...	...	Fe early *a*.
20	Frst	Stcu	Frnb:Nbst	3	1	8	-	10	10	i	i	i	-	F	H	...	...	...	—	●	●⁰	⌓ early : ●⁰ ●² *p* : ● ●⁰ *n*.
21	Frst:Stcu:Ast	Stcu:Ast:Acu	Frst:Stcu	10	10	10	10	9	0	i	i	i	K	G	G	...	...	...	...	...	...	●⁰ ●² early : p ● *a* : p ●⁰ *p* : ⌓ *n*.
22	St	Stcu:Acu	Ci	10	10	2	5	1	1	B	C	G	G	i	B	...	...	...	...	...	...	Fe m *a* : Fe *n*.
23	St	---	Cist	10	10	0	0	2	0	A	D	F	i	H	H	...	...	...	...	...	...	Fe *a*.
24	St:Stcu	Acu	Acu:Ast	10	9	9	10	9	10	F	F	H	i	H	G	...	...	...	...	...	●⁰	m *a* : ●⁰ *n*.
25	St:Stcu	Stcu	Cu:Stcu:Ci	10	10	10	9	9	10	i	K	K	J	i	J	...	...	...	...	...	...	●⁰ early *a*.
26	Frnb:Nbst	Stcu:Acu:Cicu	Acu:Ci:Cist	10	10	9	9	9	9	i	H	i	i	H	i	●⁰	...	...	...	...	...	● ●⁰ *a*.
27	Stcu:Ast	Frnb: Ast	Cu:Stcu:Acu	10	10	10	-	2	1	J	J	i	-	i	i	●⁰	...	●⁰	—	...	...	●⁰ *a* : ⌇ ●² q *p*.
28	---	Cunb:Stcu	Ci	0	2	9	5	1	1	i	J	i	i	H	i	...	...	●	...	...	...	⌓ early : p ● *a* : ⌓ *n*.
29	Stcu	Cu:Stcu	Cu:Stcu	9	0	6	4	9	0	i	i	i	J	i	H	...	...	...	...	...	...	⌓ early *a, and* late *n*.
30	Stcu	Cu:Stcu	Stcu	9	9	10	10	10	10	H	H	i	i	H	i	...	...	...	...	...	...	⌓ early.
Mean Cloud Am'nt.				6·3	8·3	8·3	7·2	*7·8	7·3	5·2												

537 KEW OBSERVATORY — OCTOBER, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	Stcu	Stcu	9	9	10	10	10	10	i	i	i	i	G	G	...	...	...	...	...	...	
2	Stcu	Cu: Stcu	Stcu:Ci	9	9	9	5	3	4	i	i	i	i	G	G	...	...	...	...	...	...	
3	---	---	Ci	0	0	0	1	1	0	F	i	J	i	G	F	...	...	...	...	...	...	F ⌴ early *a* : F *n*.
4	Ci	---	---	3	0	0	-	0	0	B	F	i	-	E	D	...	...	...	—	...	...	F ⌴ early *a* : f *n*.
5	St	Cu: Stcu	Stcu	10	10	6	8	7	0	A	F	K	J	i	i	...	●	...	...	...	...	Fe ⌴ early : ● *a*.
6	Stcu:Acu:Ci	Cu: Stcu	Stcu	5	5	6	9	8	0	i	i	i	i	G	i	...	...	...	●⁰	...	...	⌓ early *a* : p ●⁰ *p* : ⌓ *n*.
7	Stcu:Ast:Acu	Cu: Stcu	Stcu	8	8	8	3	9	1	i	i	i	i	i	H	...	...	...	...	...	...	⌓ early *a*.
8	Stcu:Acu:Ast	Stcu:Acu	Stcu	8	10	9	9	10	9	H	F	H	G	G	G	...	...	...	...	...	...	m ●⁰ *a*.
9	Stcu: Acu	Cu:Frnb:Ast	Stcu	9	9	10	9	10	1	H	F	H	i	F	i	...	...	●⁰	●⁰	...	...	z ●⁰ *a* : p ●⁰ z *p*.
10	Stcu	Cu:Stcu	Stcu	9	9	9	9	9	3	J	i	i	i	i	i	...	...	...	...	...	...	
11	Stcu	Stcu	Stcu:Acu	7	1	9	-	7	0	i	i	i	-	G	D	...	...	...	—	...	...	⌓ early *a* : f *n*.
12	Frst:Stcu	Stcu	Stcu	10	10	9	7	9	9	G	F	G	i	G	G	...	...	...	...	...	...	f early.
13	Stcu	Stcu: Cu	Cu:Stcu:Acu	9	7	9	9	9	1	i	H	H	H	G	H	...	...	...	...	...	...	⌓ early *a and p*.
14	Stcu	Frnb:Nbst	Frnb:Nbst	9	9	10	9	10	9	i	G	H	G	G	H	...	●⁰	●⁰	...	●⁰	...	●⁰ *a, p and n*.
15	Stcu	Cu:Stcu: Acu	Stcu:Acu	9	9	7	7	7	1	H	H	K	K	i	J	...	...	...	...	...	...	⌓ early *a*.
16	Acu:Cist	Cu:Stcu:Cist	Acu	8	5	9	9	5	9	i	i	J	i	F	i	...	...	...	...	...	...	⌓ early *a*.
17	Stcu	Stcu	Cu: Stcu	9	9	10	10	9	9	K	K	J	K	i	K	...	...	...	...	...	●⁰	●⁰ *n*.
18	Stcu:St	Cu: Stcu	Stcu	4	2	4	-	1	3	K	J	K	-	K	K	...	...	...	—	...	...	y *a and p*.
19	Frnb:Ast	Stcu	Frnb:Nbst	10	9	10	9	10	1	K	J	J	J	i	K	●⁰	●	...	...	●	...	●⁰ ● *a and p*.
20	Acu:Cist	Cu:Stcu:Cist	Cu:Stcu: Acu	2	7	7	4	9	10	i	J	J	i	H	H	...	...	...	...	...	...	⌓ early *a* : p ●⁰ *n*.
21	Stcu	Stcu	Stcu	10	10	10	10	9	9	J	i	i	i	i	J	...	...	...	...	...	...	⌓ *n*.
22	Stcu:Acu: Ci	Stcu	Stcu	4	8	9	9	9	10	H	G	H	H	G	F	...	...	...	...	...	...	⌓ early *a* : z *n*.
23	Stcu	Stcu	Stcu	10	10	10	9	9	10	i	i	J	i	H	i	...	...	●⁰	...	...	●⁰	●⁰ ● *p and n*.
24	---	Cu:Stcu:Cist	Stcu:Acu:Cist	0	10	4	5	2	3	C	G	i	J	i	J	...	...	...	...	...	...	● ●⁰ early : fe *a*.
25	Frnb:Nbst	Cu:Cist	Stcu:Acu	10	9	6	-	3	1	i	i	J	-	H	K	●	...	...	—	...	...	● ●⁰ *a* : ⌇ ▲ ●⁰ *p*.
26	St:Stcu	Frnb:Ast	Frnb:Nbst	10	10	10	10	10	8	H	G	H	i	i	K	●⁰	●	...	●⁰	●⁰	...	●⁰ ● *a* : ●⁰ *p*.
27	Acu: Lent	Frcu:Stcu:Ast	Cu:Stcu: Acu	1	2	9	7	5	4	K	K	K	J	i	J	...	...	...	...	...	...	⊕ *a* : ●⁰ ● *p* : ●⁰ ●² *n*.
28	Stcu	Frcu: Ci:Cicu	Stcu:Acu	1	0	8	3	4	1	K	J	J	K	J	G	...	...	...	...	...	...	
29	Stcu:Acu:Cist	Ast	St	7	9	10	10	10	10	D	E	H	G	G	H	...	...	...	...	●⁰	...	⌴ f *a* : ●⁰ *p*.
30	Stcu:Acu:Cist	Frcu: Acu: Ci	Frnb:Nbst	4	9	8	10	10	8	i	i	K	i	H	J	...	...	...	...	●	...	⌓ early *a* : ●⁰ *p*.
31	Frnb:Nbst	Frnb:Nbst	Frnb:Nbst	10	10	10	10	10	1	G	G	G	G	H	J	●	●	●	●⁰	...	...	● *a* : ● ●⁰ *p*.
Mean Cloud Am'nt.				6·9	7·2	7·9	†7·8	7·2	4·7													

*Mean of 26 days †Mean of 27 days

538 KEW OBSERVATORY NOVEMBER, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Ci	Stcu:Ci:Cist	Stcu	1	0	8	-	9	10	H	F	G	-	F	G	...	...	...	—	...	●⁰	⌒ ⌊ early : ●⁰ *n.*
2	St:Stcu	St:Stcu	St:Stcu	10	10	10	10	10	0	F	E	G	G	H	E	...	...	...	●⁰	...	...	●⁰ early : f *a* : ●⁰ *p* : f *n.*
3	Stcu	Frnb:Nbst	Frnb:Nbst	9	10	10	10	10	10	G	E	G	F	F	F	...	●⁰	●⁰	●⁰	●⁰	...	●⁰ *a, p and n.*
4	Stcu	Stcu	Stcu	3	6	9	9	9	9	F	F	i	i	F	G	...	...	...	...	...	...	f m early.
5	St:Stcu	Frnb:Ast:Cist	Ast:Acu	9	10	9	10	4	1	i	i	K	H	H	H	...	●	...	...	...	...	●⁰ ● *a.*
6	Stcu:Acu:Ast	Cu:Stcu:Ci	Stcu: Ast	9	4	9	9	10	5	H	H	K	K	i	K	...	...	...	...	●⁰	...	⌊ early : ●⁰ *p and n.*
7	Frnb:Nbst	Cunb:Stcu:Ci	Cu	10	9	4	9	7	3	J	J	J	i	J	K	●	●⁰	...	...	●⁰	...	● ●⁰ p ●⁰ *a* : p ●⁰ *p and n.*
8	Stcu:Ast	Cu:Stcu: Ci	Acu	9	1	3	-	1	0	K	K	K	-	i	K	...	...	...	—	...	...	● ●⁰ early *a* : p ● q *p.*
9	Frnb: Nbst	Cu: Ci	---	10	9	6	7	0	0	i	J	K	K	K	K	●	...	...	...	...	...	● early *a.*
10	Stcu:Ast:Acu	Cu:Stcu	---	9	8	9	3	0	1	i	i	J	i	i	K	...	...	...	...	...	...	⌓ early : p ●⁰ *p.*
11	Ci	Frnb:Ast	Frnb:Nbst	2	9	10	10	10	9	D	E	i	H	i	K	...	...	●⁰	●⁰	●⁰	...	⌊ f ●⁰ *a* : ●⁰ *p and n.*
12	Frnb:Nbst	Frnb: Ast: Acu	Frnb:Nbst	10	10	9	8	10	9	H	J	i	i	G	G	●⁰	●⁰	●⁰	...	●	...	● ●⁰ *a, p and n.*
13	Stcu	Cu:Stcu	Cu:Stcu	10	10	9	9	8	0	i	i	i	G	G	E	...	...	...	...	...	...	●⁰ early *a* : f *n.*
14	Stcu	Cu:Stcu	---	9	9	9	3	0	4	G	i	i	i	i	J	...	●⁰	...	...	...	...	●⁰ ● *a.*
15	Acu:Ci	Ast:Cist	Stcu	2	9	10	-	9	9	K	i	i	-	K	K	...	...	...	—	...	...	⌊ early : ⊕ *a* : ●⁰ ⌓ (gusts) *p and n.*
16	Stcu:Ast	Stcu:Ast:Ci	Frnb:Nbst	10	10	9	10	10	10	i	i	i	H	F	G	...	...	...	...	●⁰	●⁰	●⁰ ● *p and n.*
17	Frnb:Nbst	Frnb:Nbst	Cu:Stcu	10	10	10	9	10	9	i	i	H	H	i	J	...	...	...	...	●⁰	...	●⁰ ● *a and n.*
18	Cu:Stcu	Stcu:Acu:Ast	Frst:Stcu	10	10	9	9	9	9	J	i	i	i	J	K	●⁰	●⁰	●⁰	...	...	...	●⁰ ● *a* : ⌓ (gusts) all day.
19	Stcu	St	St	10	10	10	10	10	10	i	G	G	G	G	i	...	...	●⁰	...	●⁰	...	●⁰ *a and p.*
20	Stcu:Acu:Cist	Stcu	Stcu	6	9	9	9	5	7	H	G	H	H	H	G	...	...	...	...	...	...	
21	Ci	St	Stcu:Ci	1	3	2	4	4	1	H	F	G	G	F	F	...	...	...	...	...	...	⌓ early : m *a and n.*
22	---	---	St	0	0	0	-	10	10	H	F	C	-	A	B	...	...	...	—	...	...	⌊ m f *a* : Fe *p and n.*
23	St	St	St	10	10	10	10	10	10	C	B	E	E	G	F	...	...	...	...	...	...	Fe f *a* : f *p* : m *n.*
24	Stcu	St	St	10	10	10	10	10	10	i	G	F	F	F	F	...	...	...	...	...	...	⌓ early : m *a, p and n.*
25	St	St	St	10	10	10	10	10	10	F	F	F	F	F	G	...	...	...	...	...	●⁰	m f m *a* : m ●⁰ *p* : ●⁰ *n.*
26	St	St	St	10	10	10	10	10	9	F	E	D	E	F	F	...	...	...	...	...	...	m f *a* : f m *p* : m *n.*
27	Stcu	---	Stcu:Acu	10	10	0	7	9	10	G	E	G	G	F	F	...	...	...	...	...	...	f *a* : m *n.*
28	Stcu	---	Stcu	9	4	0	3	9	0	E	E	F	F	F	E	...	...	...	...	...	...	f m *a* : m *p* : m f *n.*
29	St	St	Frnb	10	10	10	-	10	10	B	D	F	-	H	G	...	...	●	—	●⁰	...	f ●⁰ *a* : ● ●⁰ *p and n.*
30	Frst:Acu:Ast	Stcu: Acu	Stcu	10	10	9	9	9	9	i	i	i	i	K	K	...	...	...	...	...	...	y *p and n.*
Mean Cloud Am'nt.				7·9	8·0	7·7	8·3*	7·7	6·5													

539 KEW OBSERVATORY DECEMBER, 1936

Day.	Cloud Forms 7h	13h	18h	Cloud Amount (All Forms) 7h	9h	13h	15h	18h	21h	Visibility 7h	9h	13h	15h	18h	21h	Precipitation 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	Stcu	Stcu	---	8	9	9	9	0	7	i	i	K	K	K	K	...	...	...	...	...	...	
2	Frnb:Nbst	Frst:Stcu	Stcu	10	10	10	9	7	8	i	i	i	i	J	K	●	...	...	...	...	...	● ●⁰ *a.*
3	Stcu	Cu:Stcu	Stcu	9	6	9	9	10	10	i	G	J	H	H	J	...	...	...	...	...	...	
4	Stcu	Stcu	---	3	0	1	0	0	0	H	i	J	J	G	i	...	...	...	...	...	...	y *a and p.*
5	Frnb: Ast	Cunb:Stcu:Ci	---	10	10	8	3	0	0	K	J	K	i	J	K	●⁰	●⁰	...	...	...	...	●⁰ *a* : p ●⁰ k q *p.*
6	Frnb	Stcu	---	10	9	7	-	0	1	K	K	i	-	J	J	✱	✱	...	—	...	...	p ✱ *a.*
7	Stcu	---	---	1	1	0	0	0	0	K	i	i	i	F	F	...	...	...	...	...	...	⌊ *a and n.*
8	Frnb:Nbst	Frnb:Nbst	St:Frst	10	10	10	10	8	0	i	G	F	E	F	B	●⁰	●⁰	●⁰	●⁰	●⁰	...	●⁰ ● *a* : ●⁰ ● f *p* : F *n.*
9	---	St	St	0	10	10	10	10	10	F	D	D	D	F	E	...	...	...	...	...	...	m ⌊ f *a* : f *p and n.*
10	St:Stcu	Stcu	St	10	10	10	10	10	10	G	G	G	F	G	F	...	...	...	...	...	...	m g *p* : ●⁰ m *n.*
11	---	Cicu: Cist	---	0	7	9	8	0	9	G	D	G	G	G	G	...	...	...	...	...	...	⌊ f *a* : ⌊ *n.*
12	St	St	Frnb:Nbst	10	10	10	10	10	10	H	G	G	F	F	H	...	...	...	...	...	...	m ●⁰ ● *p and n.*
13	Stcu	Stcu	Stcu	1	0	2	-	1	7	i	G	H	-	i	J	...	...	...	—	...	...	⌊ *a.*
14	Frnb	Frnb: Nbst	Frnb:Nbst	10	10	10	10	10	10	J	i	J	H	J	J	●⁰	●⁰	●⁰	●⁰	●⁰	...	●⁰ ● ⌓ *a* : ●⁰ ⌓ (gusts) *p* : ● *n.*
15	---	---	Ci	0	0	0	1	1	10	i	i	i	H	i	K	...	...	...	...	...	...	
16	Frst:Stcu	Cu:Acu: Ci	---	10	10	2	8	0	0	J	G	i	i	i	J	●⁰	●	...	...	...	...	●⁰ ● p ● *a* : p ● *p.*
17	Stcu	Frnb:Nbst	Frnb:Nbst	9	10	10	10	10	10	i	i	i	i	i	J	...	●⁰	●⁰	●⁰	●⁰	●⁰	●⁰ ● *a, p and n.*
18	Frnb:Nbst	Frnb:Nbst	Frst:Acu:Ast	10	10	10	10	9	10	J	i	i	G	H	i	●⁰	●⁰	●⁰	●⁰	...	...	●⁰ ● *a and p.*
19	Stcu	Acu:Ast	Acu	1	0	9	9	•3	8	i	i	i	i	i	J	...	...	...	...	...	...	
20	Frst:Stcu	Stcu:Cu	Stcu	9	9	7	-	10	10	J	J	J	-	J	J	...	...	...	—	...	...	
21	Stcu	Stcu	---	1	9	9	9	0	9	J	i	i	H	H	H	...	...	...	...	...	...	⌓ early.
22	Stcu	Stcu:Frst	Stcu	9	2	6	9	10	10	i	i	i	i	i	H	...	...	...	...	...	●⁰	●⁰ ● *n.*
23	---	Ci:Cist	---	0	1	9	6	0	0	G	F	G	G	F	C	...	...	...	...	...	...	⌊ ⌒ early : m *a* : ⌊ f *n.*
24	St	Stcu	Stcu	10	10	9	9	10	8	D	D	F	F	F	G	...	...	...	...	...	...	f ⌊ *a* : m *p.*
25	Ci	Stcu:Acu	St:Stcu	6	6	7	-	10	10	J	H	G	-	G	F	...	...	...	—	...	...	⌓ early : m *n.*
26	St	St	St	10	10	10	10	10	10	C	C	C	E	F	F	●⁰	●⁰	●⁰	...	...	...	f ●⁰ *a and p* : m *n.*
27	Stcu	Cu:Stcu	Ci:Cist	9	9	6	-	9	9	H	G	G	-	G	H	...	...	...	—	...	...	
28	St: Stcu	Stcu	St	10	10	10	10	10	10	H	H	E	E	E	F	...	...	...	●⁰	●⁰	...	●⁰ f *p and n.*
29	Stcu	Stcu:Frst	Stcu	9	9	10	10	9	10	i	J	J	i	i	J	...	...	...	...	...	...	●⁰ *a, p and n.*
30	Stcu	---	---	7	0	0	1	0	0	i	i	i	i	i	J	...	...	...	...	...	...	
31	Stcu:Acu:Ci	Stcu:Ast:Acu	Stcu:Ast:Acu	7	9	9	10	10	10	J	i	J	J	i	J	...	...	...	...	...	...	⌓ early : ●⁰ *n.*
Mean Cloud Am'nt.				6·7	7·0	7·4	7·7†	5·7	7·0													
Mean Annual Cloud Am'nt.				7·5	7·6	7·8	7·8	7·1	6·3													

*Mean of 25 days †Mean of 26 days

ELECTRICAL OBSERVATIONS. UNDERGROUND LABORATORY. WILSON METHOD

Mean value for periods of 20 min. about 14½h.

F = Potential Gradient; unit 1 volt/cm. $\lambda+$ = Conductivity due to positive ions; unit 10^{-18}/ohm.cm.

i = Air-earth current; unit 10^{-18}amp/cm^2

540 KEW OBSERVATORY: 1936

Month	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
Day	F	λ+	i	F	λ+	i	F	λ+	i	F	λ+	i	F	λ+	i	F	λ+	i
1	...	...	...	...	...	...	...	...	...	...	...	...	5·05	15	74	...	...	...
2	4·85	13	63	...	...	...	...	...	...	1·05	34	35	...	...	...	...	...	...
3	...	...	...	3·85	22	84	7·95	10	80	4·30	22	93	...	...	...	2·65	54	142
4	...	...	...	7·00	18	130	2·95	14	41	...	...	...	5·80	26	153	3·10	58	179
5	...	...	...	5·45	15	82	2·70	31	84	...	...	...	5·65	34	192	2·05	87	181
6	5·70	16	91	4·55	19	85	2·95	28	82	4·85	22	108	2·10	63	132	...	....	...
7	...	...	...	9·05	10	94	...	...	...	4·60	27	126	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	5·45	19	103	...	...	...	1·10	52	58
9	...	...	...	...	...	...	...	...	...	4·20	33	139	...	...	...	1·10	55	61
10	3·10	30	95	6·70	23	152	6·80	13	86	...	...	...	...	...	...	1·40	113	159
11	4·45	19	86	7·65	10	79	4·80	16	79	...	...	...	1·75	58	102	1·20	49	60
12	...	...	...	9·35	8	72	5·05	16	81	...	...	...	3·25	25	83	...	...	...
13	8·10	12	101	...	...	...	6·45	17	107	...	...	...	1·30	60	78	...	...	...
14	...	...	...	10·70	9	97	...	...	...	3·90	34	133	1·45	62	90	...	...	...
15	11·65	5	63	...	...	...	...	...	...	2·70	41	109	1·50	72	105	1·85	57	105
16	...	...	...	...	...	...	2·95	27	82	2·75	32	87	...	...	...	3·05	40	121
17	5·65	15	82	5·80	21	123	3·55	26	92	1·65	50	82	...	...	...	2·55	52	134
18	...	...	...	...	...	...	5·35	23	125	...	...	...	4·70	40	188	5·55	22	113
19	...	...	...	...	...	...	2·80	59	108	...	...	...	2·25	59	133	...	...	...
20	4·65	15	69	3·50	32	114	3·25	52	170	...	...	...	1·90	77	146	...	...	...
21	3·40	21	73	4·30	22	94	...	...	...	...	...	...	...	...	...	...	...	...
22	7·05	11	77	...	...	...	...	...	...	3·60	40	149	1·25	50	64	1·90	52	100
23	8·70	11	97	...	...	...	...	...	...	2·20	34	74	...	...	...	...	...	...
24	5·65	12	67	5·30	7	34	4·00	40	159	1·65	41	67	...	...	...	1·85	62	115
25	...	...	...	...	...	...	5·70	24	136	...	...	...	2·90	29	85	1·60	59	94
26	...	...	...	...	...	...	...	...	...	...	...	...	2·40	53	127	0·90	64	57
27	7·10	15	109	...	...	...	2·90	44	127	2·45	34	83	1·85	62	114	...	...	...
28	...	...	...	...	...	...	...	...	...	2·15	48	103	1·90	54	103	1·90	55	105
29	...	...	...	...	...	...	...	...	...	1·60	33	53	...	...	...	...	...	...
30	4·70	21	101	...	...	...	2·75	31	88	1·90	44	85	...	...	...	2·20	89	198
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	6·05	15	84	6·40	17	95	4·30	28	102	3·00	35	96	2·75	49	116	2·10	60	117
No. of days used	14	14	14	13	13	13	17	17	17	17	17	17	17	17	17	17	17	17

Month	JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
Day	F	λ+	i	F	λ+	i	F	λ+	i	F	λ+	i	F	λ+	i	F	λ+	i
1	2·20	83	183	...	...	...	2·10	58	122	3·25	25	82	...	...	...	3·30	21	70
2	2·65	67	179	...	...	...	1·65	74	121	...	...	...	2·40	59	140	...	...	...
3	1·85	73	135	...	...	...	...	...	...	...	...	...	...	...	...	3·25	24	80
4	...	...	...	0·80	49	39	...	...	...	...	...	...	5·40	25	132	3·95	19	76
5	...	...	...	1·45	45	66	...	...	...	4·35	32	140	3·55	25	88	...	...	...
6	2·10	65	137	1·75	57	98	...	...	...	4·30	26	111	3·05	45	136	...	...	...
7	...	...	...	...	...	...	1·05	86	91	4·05	27	109	...	...	...	7·80	12	96
8	2·05	49	99	...	...	...	...	...	...	4·85	15	75	...	...	...	...	...	...
9	...	...	...	...	...	...	1·75	47	82	...	...	...	3·80	19	70	...	...	...
10	2·50	46	117	2·95	34	101	3·25	64	206	...	...	...	3·60	21	76	...	...	...
11	...	...	...	2·25	47	106	2·45	73	178	...	...	...	...	...	...	6·30	10	63
12	...	...	...	1·85	48	90	...	...	...	3·25	32	104	...	...	...	...	...	...
13	1·85	45	84	1·05	49	52	...	...	...	3·35	23	76	4·00	31	122	...	...	...
14	2·40	51	123	1·90	45	85	1·80	55	98	...	...	...	...	...	...	...	...	...
15	2·00	39	78	...	...	...	...	...	...	1·90	37	71	...	...	...	5·95	13	79
16	2·10	50	105	...	...	...	3·90	37	145	...	...	...	...	...	...	...	...	...
17	1·85	51	93	2·25	56	127	2·45	48	117	...	...	...	...	...	...	...	...	...
18	...	...	...	1·80	51	94	2·25	45	102	...	...	...	2·65	33	87	...	...	...
19	...	...	...	...	...	...	...	...	...	1·25	70	89	2·50	19	48	...	...	...
20	...	...	...	2·20	71	156	...	...	...	...	...	...	5·40	18	98	...	...	...
21	1·65	48	79	1·85	54	102	...	...	...	3·40	27	91	...	...	...	4·45	10	46
22	2·05	52	105	...	...	...	2·75	42	116	4·35	27	161	...	...	...	...	...	...
23	2·20	32	71	...	...	...	3·80	30	115	...	...	...	...	...	...	3·85	5	21
24	2·65	63	169	1·65	47	78	2·55	47	120	...	...	...	4·24	25	106	...	...	...
25	...	...	...	1·95	50	96	2·80	40	111	...	...	...	...	...	...	...	...	...
26	...	...	...	4·80	32	154	...	...	...	...	...	...	...	...	...	...	...	...
27	2·55	64	166	5·00	35	174	...	...	...	1·60	64	101	1·75	17	29	...	...	...
28	...	...	...	3·95	29	117	...	...	...	4·70	30	139	...	...	...	...	...	...
29	...	...	...	...	...	...	2·90	41	118	3·10	13	42	...	...	...	2·65	12	33
30	...	...	...	...	...	...	...	...	...	3·00	44	131	3·35	43	143	5·05	8	40
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	2·15	55	120	2·30	47	102	2·50	52	123	3·40	33	101	3·50	29	98	4·65	13	60
No. of Days used	16	16	16	17	17	17	15	15	15	15	15	15	13	13	13	10	10	10
													The Year	Mean . . . No. of Days used		3·59 181	36 181	101 181

ELECTRICAL CHARACTER OF EACH DAY, AND APPROXIMATE DURATION OF NEGATIVE POTENTIAL GRADIENT

Month	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
Day	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.
		Hours		Hours		Hours		Hours		Hours		Hours
1	2	4·3	1	0·7	2	4·2	1	1·4	0	...	1	2·1
2	1	1·7	2	6·4	1	2·9	1	1·9	0	...	2	7·8
3	1	1·4	0	...	0	...	1	0·4	0	...	2	3·1
4	0	...	0	...	1	0·4	2	3·5	0	...	2	4·1
5	1	1·4	0	...	2	4·4	0	...	0	...	2	8·9
6	2	4·7	0	...	1	0·3	0	...	0	...	1	0·5
7	2	9·0	0	...	1	1·7	1	0·3	2	15·9	1	0·5
8	1	2·8	0	...	1	0·1	0	...	2	17·3	0	...
9	2	3·4	0	...	1	2·0	0	...	2	8·5	0	...
10	1	0·8	1	0·1	1	1·1	0	...	1	0·9	0	...
11	0	...	0	...	1	0·1	2	3·0	0	...	0	...
12	0	...	0	...	0	...	2	3·0	0	...	1	0·7
13	1	0·1	0	...	0	...	2	5·4	0	...	2	6·4
14	0	...	0	...	0	...	1	0·9	0	...	1	0·1
15	0	...	2	3·3	1	1·4	1	0·9	0	...	1	0·3
16	2	5·1	1	1·1	1	0·5	1	0·2	0	...	0	...
17	2	7·6	2	4·3	0	...	0	...	1	2·0	0	...
18	2	4·3	2	6·4	0	...	0	...	0	...	1	2·4
19	2	3·8	1	1·4	0	...	0	...	0	...	1	2·7
20	2	3·3	0	...	1	1·8	2	6·6	1	0·5	1	0·6
21	0	...	1	2·6	0	...	2	6·2	1	2·4	1	1·7
22	1	1·9	2	3·7	0	...	2	5·3	2	3·0	0	...
23	1	0·7	2	4·7	2	3·2	1	2·7	2	4·9	1	0·3
24	1	2·3	2	3·5	0	...	2	3·1	0	...	0	...
25	1	1·6	2	9·1	0	...	1	0·5	0	...	1	0·5
26	1	0·5	1	1·5	2	7·4	2	4·5	0	...	2	4.2
27	2	3·0	2	5·3	1	0·7	0	...	1	1·7	0	...
28	2	4·8	1	0·5	1	0·1	0	...	0	...	0	...
29	1	2·2	2	4·5	1	2·2	1	2·4	0	...	1	2.3
30	1	0·9	---	---	0	...	1	2·2	2	4·1	1	1·1
31	1	2·3	---	---	0	...	---	---	1	0·5	---	---
Total	---	73·9	---	59·1	---	34·5	---	54·5	---	61·7	---	50·3
No. of Days Used.	---	31	---	29	---	31	---	30	---	31	---	30
Mean	---	2·4	---	2·0	---	1·1	---	1·8	---	2·0	---	1·7

Month	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
Day	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.
1	1	0·1	1	0·4	0	...	0	...	1	0·1	0	...
2	1	0·7	1	1·0	0	...	0	...	1	0·6	1	0·9
3	1	0·2	0	...	1	0·3	0	...	1	2·2	0	...
4	1	0·1	0	...	1	0·9	0	...	0	...	0	...
5	0	...	0	...	2	4·8	0	...	1	0·6	2	3·1
6	0	...	1	0·6	0	...	1	0·8	1	2·3	1	1·8
7	1	0·5	1	2·4	1	0·1	0	...	1	2·8	0	...
8	1	0·8	0	...	1	0·6	1	0·1	1	0·7	1	2·9
9	2	5·2	0	...	0	...	1	1·4	1	2·9	2	7·1
10	2	3·3	1	1·2	1	1·7	1	1·0	1	0·2	2	4·1
11	1	1·1	2	3·1	0	...	0	...	2	5·8	0	...
12	1	0·8	0	...	1	1·0	0	...	2	13·7	2	3·2
13	0	...	0	...	0	...	0	...	1	2·0	1	1·5
14	1	1·5	0	...	1	0·4	0	...	1	0·5	2	12·3
15	2	3·3	1	0·5	1	0·6	0	...	0	...	1	0·2
16	0	...	1	1·1	1	0·5	0	...	1	0·5	1	2·0
17	0	...	0	...	2	4·8	1	1·0	2	3·7	1	0·4
18	0	...	0	...	1	0·7	0	...	2	6·7	1	0·8
19	1	1·7	1	1·5	0	...	1	2·0	2	3·1	0	...
20	0	...	0	...	1	2·8	0	...	0	...	0	...
21	1	1·2	0	...	1	1·3	0	...	0	...	0	...
22	0	...	1	0·1	0	...	0	...	0	...	1	2·0
23	1	0·5	0	...	0	...	1	0·1	1	2·0	1	0·1
24	0	...	0	...	1	0·2	2	3·0	1	0·8	1	0·4
25	1	1·7	1	0·1	1	0·4	2	4·0	2	7·0	0	...
26	2	4·2	0	...	1	2·0	2	4·6	1	1·2	0	...
27	0	...	0	...	1	2·6	1	1·9	2	4·5	0	...
28	2	3·8	1	0·1	1	1·5	0	...	1	2·4	0	...
29	1	2·3	0	...	0	...	0	...	1	2·3	1	0·5
30	0	...	0	...	0	...	0	...	0	...	1	1·2
31	1	1·3	0	...	---	---	2	9·7	---	---	0	...
Total	---	34·3	---	12·1	---	27·2	---	29·6	---	68·6	---	44·5
No.of Days Used	---	31	---	31	---	30	---	31	---	30	---	31
Mean	---	1·1	---	0·4	---	0·9	---	1·0	---	2·3	---	1·4

Annual Values:- Character 0 1 2 Duration of Negative Pot.Gradient } Total Days used Mean
Number of Days 149 147 70 } 550·3 366 1·50hr.

POTENTIAL GRADIENT (reduced to level surface, Paddock Site): VOLTS PER METRE
KELVIN ELECTROGRAPH STANDARDIZED BY WILSON READINGS, UNDERGROUND LABORATORY
Mean values for periods of sixty minutes, between the exact hours, Greenwich Mean Time

Month	JANUARY Factor 2·75				FEBRUARY Factor 2·78				MARCH Factor 2·72			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	235	385	-235	590	280	280	585	790	40	150	410	260
2	305	755	440	550	415	220	Z±	Z±	245	110	340	135
3	510	415	165	305	555	720	390	530	315	285	705	680
4	220	495	400	605	765	735	665	915	570	325	325	270
5	635	330	345	-620	1110	805	610	555	-270	655	245	570
6	275	-260	525	685	360	320	460	500	380	545	300	1075
7	275	-1210	550	730	500	1000	875	1000	410	355	300	40
8	245	795	-245	180	345	750	710	430	165	365	380	490
9	245	440	150	165	445	610	665	390	80	220	365	655
10	Z±	275	330	440	390	370	600	485	380	410	680	395
11	165	440	495	880	265	530	820	890	260	460	490	460
12	440	415	535	425	235	725	890	875	190	515	515	435
13	260	550	730	565	335	475	765	600	365	655	610	515
14	495	810	965	1075	585	750	1000	835	220	515	450	205
15	1210	1265	1075	1085	335	155	390	-55	190	190	175	300
16	605	660	Z±	905	140	655	140	555	175	705	270	380
17	0	-135	590	715	-750	500	600	280	285	490	365	325
18	235	620	825	865	-665	210	280	555	220	600	560	475
19	1375	770	1005	-195	390	-305	415	790	435	760	285	420
20	-330	385	355	495	555	835	375	475	205	Z±	270	750
21	165	645	330	535	-280	235	390	750	245	245	380	435
22	425	795	730	575	680	655	Z±	430	175	220	245	760
23	370	905	865	1100	-250	180	220	710	Z±	Z±	Z±	545
24	-455	635	535	150	710	765	405	-600	395	435	380	585
25	235	385	55	480	-210	-265	265	335	325	515	570	395
26	-25	400	355	685	405	405	305	95	95	-980	205	735
27	385	370	685	385	-110	710	235	485	545	365	300	-165
28	195	235	465	Z-	290	1070	460	250	380	625	355	410
29	180	275	195	565	180	515	460	-110	190	-135	230	410
30	440	825	455	220					135	300	315	460
31	245	455	15	550					245	460	325	570
Means (a)	384	562	506	589	447	570	518	580	271	425	378	471
Means (b)	313	463	460	512	256	516	518	493	255	357	382	437
Mean for day.	(a) 510		(b) 437		(a) 529		(b) 446		(a) 386		(b) 358	

Month	APRIL Factor 2·73				MAY Factor 2·75				JUNE Factor 2·74			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8 9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	-40	205	410	330	305	495	495	510	205	135	110	Z-
2	285	15	95	600	415	425	385	480	-135	260	Z-	385
3	165	480	465	370	275	275	330	440	165	220	235	Z±
4	-125	300	505	520	245	620	550	510	70	165	275	-70
5	330	380	315	425	275	425	550	495	-25	-480	205	190
6	205	505	480	450	355	480	195	220	290	410	205	55
7	220	355	380	450	55	-85	-125	-55	135	Z+	80	300
8	465	410	465	630	-135	-25	-15	-245	135	275	125	150
9	330	435	450	765	0	-95	165	135	165	315	110	190
10	220	315	330	330	40	110	110	165	220	180	150	245
11	125	125	Z±	205	135	305	180	370	205	275	110	205
12	165	245	Z±	15	275	165	330	245	180	190	135	370
13	380	-70	Z±	655	85	275	125	220	0	-315	150	180
14	425	1120	410	315	165	245	135	195	110	220	135	95
15	380	490	260	380	305	180	135	370	150	235	205	290
16	165	285	285	150	245	220	305	315	300	245	290	290
17	165	355	165	175	110	195	345	25	235	300	245	315
18	315	330	190	585	150	510	465	440	Z±	Z-	520	465
19	260	230	165	465	180	440	235	385	80	520	Z+	Z±
20	285	-1010	Z-	505	55	400	165	220	220	630	245	520
21	410	490	695	-820	135	220	205	260	410	480	315	Z±
22	135	275	Z+	520	305	345	135	-110	385	385	190	315
23	275	410	220	260	-220	95	510	455	165	385	165	275
24	-55	275	-	-	205	290	180	465	205	330	165	205
25	-	-	190	70	135	525	345	455	125	180	150	235
26	-465	260	-245	380	195	440	235	290	40	450	135	290
27	450	380	230	135	150	275	180	125	290	190	135	135
28	220	875	220	315	135	195	235	370	55	55	80	355
29	190	95	205	40	260	150	70	245	355	520	190	70
30	0	315	165	560	110	275	Z±	15	110	260	260	135
31					150	245	125	15				
Means (a)	263	369	317	379	188	315	261	301	185	300	190	250
Means (b)	211	393	298	340	166	278	239	267	173	235	176	219
Mean for day.	(a) 332		(b) 311		(a) 266		(b) 237		(a) 231		(b) 201	

Note. - The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used:- Z+, Indeterminate, positive value; Z-, Indeterminate negative value; Z±, Indeterminate in magnitude and sign
(a) Mean from all positive readings
(b) Mean from all complete days, using both positive and negative readings

POTENTIAL GRADIENT (reduced to level surface, Paddock Site): VOLTS PER METRE
KELVIN ELECTROGRAPH STANDARDIZED BY WILSON READINGS, UNDERGROUND LABORATORY
Mean values for periods of sixty minutes, between the exact hours, Greenwich Mean Time

Month	JULY Factor 2·76				AUGUST Factor 2·77				SEPTEMBER Factor 2·74			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	180	305	205	250	165	210	125	375	165	235	220	180
2	150	205	235	205	360	150	165	220	125	275	165	330
3	140	220	195	110	125	235	140	305	165	300	190	395
4	85	275	195	250	275	275	125	360	125	-40	135	345
5	165	220	165	235	55	210	140	275	-55	300	Z±	275
6	275	455	220	360	195	220	195	290	220	315	190	300
7	125	260	290	235	95	-70	-	-	125	260	135	245
8	250	275	205	305	-	-	195	165	135	40	110	190
9	220	205	Z-	315	415	320	150	195	95	280	170	250
10	330	375	220	125	110	445	305	150	205	65	315	390
11	70	330	205	470	-330	140	195	220	315	345	220	345
12	205	250	195	235	195	165	195	265	220	375	Z+	375
13	40	260	195	260	305	375	110	265	45	-	250	280
14	140	275	205	125	235	265	165	180	155	315	190	360
15	Z-	Z-	250	195	320	500	125	150	190	190	345	360
16	205	305	195	305	15	345	140	265	345	45	360	550
17	205	220	180	260	235	390	220	360	15	155	265	95
18	140	275	180	195	95	265	195	195	0	315	220	170
19	-125	180	125	290	180	275	Z±	70	45	110	315	280
20	180	290	150	330	165	360	220	390	155	280	250	265
21	250	260	150	205	110	110	165	235	65	265	140	345
22	250	415	220	195	305	595	195	165	595	565	295	155
23	250	235	220	330	165	375	165	345	345	295	375	375
24	195	375	220	330	235	455	165	140	315	455	220	265
25	260	315	Z±	330	150	330	220	125	140	205	280	95
26	305	290	-70	440	265	400	445	455	125	170	295	565
27	430	470	250	385	275	445	470	360	65	220	Z±	530
28	-140	375	-	595	195	330	390	400	125	315	Z±	500
29	110	250	275	525	150	445	195	265	360	515	280	375
30	195	275	165	180	165	360	195	220	235	345	265	360
31	250	250	95	495	140	275	165	265				
Means (a)	200	290	200	292	196	319	203	256	180	270	238	318
(b)	185	289	188	283	182	321	203	266	190	252	238	303
Mean for Day	(a) 245		(b) 236		(a) 243		(b) 243		(a) 251		(b) 246	

Month	OCTOBER Factor 2·75				NOVEMBER Factor 2·68				DECEMBER Factor 2·73			
Hour G.M.T.	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
Day	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
1	195	415	305	370	375	575	345	345	145	395	335	320
2	160	465	385	720	-	130	200	360	175	75	275	465
3	110	450	255	465	630	275	170	605	145	440	335	235
4	-	370	290	305	330	475	605	500	145	350	380	640
5	255	400	385	820	300	-30	375	400	250	130	Z	350
6	80	335	385	530	345	400	275	200	130	15	205	480
7	160	225	355	355	Z±	345	170	460	290	640	760	775
8	135	400	455	855	70	260	345	515	805	395	440	440
9	355	620	415	-55	55	275	345	445	-130	-30	440	290
10	0	110	345	465	260	400	330	500	0	730	670	-60
11	110	275	220	165	415	630	Z-	185	115	790	615	380
12	150	370	305	260	Z-	Z-	-300	Z±	290	465	480	Z±
13	85	330	330	275	30	130	430	375	585	860	630	320
14	220	275	125	305	500	360	300	515	-130	145	-30	Z-
15	85	205	165	465	400	530	360	230	115	585	600	440
16	245	330	275	330	100	115	415	170	0	235	Z±	600
17	135	205	260	260	45	170	245	-200	410	380	290	160
18	85	245	195	565	145	-790	230	145	60	160	90	525
19	260	70	135	330	-15	285	285	500	410	640	525	555
20	220	330	245	245	345	690	515	805	175	320	320	510
21	195	245	315	355	475	615	500	630	145	525	425	525
22	220	465	400	330	285	560	500	515	290	410	290	-
23	245	370	165	330	230	130	605	260	-	-	365	305
24	-	-	305	465	260	360	400	445	600	790	440	440
25	55	110	305	355	85	-230	-160	500	425	585	410	440
26	220	205	-15	135	260	170	515	575	175	205	290	320
27	135	330	220	330	1135	-55	200	445	570	630	585	630
28	135	400	460	385	230	490	230	215	190	305	585	220
29	500	490	260	-	285	660	170	200	60	395	320	Z-
30	-	230	285	375	185	230	330	400	115	585	525	670
31	145	0	-945	285					305	-	410	250
Means (a)	175	309	295	394	299	370	348	409	254	435	430	434
(b)	163	303	239	379	283	272	341	394	252	451	442	423
Mean for Day	(a) 293		(b) 271		(a) 357		(b) 357		(a) 388		(b) 392	

Annual Means	(a)	249	377	324	387
	(b)	219	344	311	361
		(a) 334		(b) 309	

Note.- The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used. Z+, Indeterminate, positive value; Indeterminate, negative value; Z±, Indeterminate in magnitude and sign.
(a) Mean from all positive readings
(b) Mean from all complete days, using both positive and negative readings

POTENTIAL GRADIENT (reduced to level surface): DIURNAL INEQUALITIES (in volts per metre)
The departures from the mean of the day are adjusted for non-cyclic change†
SELECTED QUIET DAYS

543 KEW OBSERVATORY 1936

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Non Cyclic Change	Mean Values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
Jan.	-22	-94	-142	-146	-153	-157	-104	-42	+81	+104	+96	+25	+17	-15	-29	-53	+11	+49	+131	+115	+114	+77	+116	+27	...	595
Feb.	-60	-133	-166	-190	-142	-77	-93	-66	+38	+96	+98	+140	+104	+73	+61	+68	+68	+51	+68	+63	+35	+21	-61	-64	+74	635
Mar.	-72	-116	-130	-120	-108	-102	-67	+29	+74	+68	+59	+34	+14	+32	+42	+31	+71	+103	+88	+61	+29	+7	+10	-38	+125	403
Apr.	-25	-41	-78	-60	-50	-40	-10	+20	+64	+32	- 2	-35	-16	-56	-43	-32	-26	-1	+44	+71	+99	+99	+64	+23	-60	349
May	-50	-72	-93	-92	-77	-48	+4	+31	+48	+40	+20	+27	+5	-12	-27	-2	+27	+29	+53	+45	+76	+66	+17	-11	-9	313
June	+8	-6	-16	-6	-22	+32	+70	+77	+31	+41	-14	-33	-46	-51	-52	-41	-46	-25	-9	+24	+41	+15	+13	+15	-48	217
July	-22	-47	-63	-62	-31	+9	+89	+92	+62	+47	+2	-26	-52	-49	-47	-51	-49	-31	-16	+21	+59	+82	+59	+27	-54	245
Aug.	-8	-11	-22	-24	-21	+13	+48	+84	+77	+54	+8	-27	-46	-48	-68	-57	-55	-61	-33	+14	+49	+49	+55	+31	+32	235
Sept.	-5	-23	-31	-24	-57	-36	+4	+71	+55	+40	-9	-34	-18	-13	-16	-11	-1	+3	+43	+53	+36	-4	-19	-11	-29	289
Oct.	-61	-66	-97	-90	-82	-39	-12	+37	+52	+42	-1	-13	-42	-51	+4	+24	+45	+74	+81	+66	+71	+64	+24	-35	+120	276
Nov.	-104	-149	-126	-106	-76	-81	-67	-13	+44	+56	+11	-3	-20	-19	+3	+33	+70	+139	+176	+176	+62	+52	-20	-17	...	441
Dec.	-78	-115	-135	-135	-144	-124	-52	+7	+66	+69	+41	+38	+16	+14	+20	+38	+112	+134	+116	+69	+69	+55	-10	-68	+37	413
Year	-43	-73	-92	-88	-80	-54	-17	+27	+58	+57	+26	+8	-7	-16	-11	-3	+19	+39	+62	+65	+62	+49	+24	-10	...	366
Winter	-71	-123	-142	-144	-129	-110	-64	-29	+57	+81	+61	+50	+29	+13	+19	+27	+65	+93	+123	+106	+70	+51	+17	-31	...	521
Eqnx.	-41	-61	-84	-73	-74	-54	-21	+39	+61	+45	+12	-12	-15	-22	-3	+3	+22	+45	+64	+63	+59	+41	+19	-15	...	324
Summer	-43	-73	-92	-88	-80	-54	-17	+27	+58	+57	+26	+8	-7	-16	-11	-3	+19	+39	+62	+65	+62	+49	+24	-10	...	366

AIR POLLUTION: HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre)
COMPLETE DAYS ONLY

544 KEW OBSERVATORY 1936

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean	No. of Days Used
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Jan.	·32	·30	·26	·20	·18	·16	·16	·23	·34	·45	·47	·47	·48	·51	·49	·50	·52	·55	·53	·52	·52	·45	·41	·30	·39	31
Feb.	·35	·33	·30	·29	·28	·28	·27	·28	·40	·48	·47	·38	·36	·36	·36	·36	·38	·43	·45	·52	·50	·49	·47	·43	·39	28
Mar.	·27	·22	·20	·18	·17	·15	·15	·19	·25	·32	·30	·27	·22	·20	·16	·15	·16	·21	·27	·35	·39	·37	·32	·29	·24	31
Apr.	·17	·13	·11	·09	·07	·07	·09	·13	·16	·17	·15	·12	·14	·12	·10	·09	·09	·11	·15	·21	·26	·29	·22	·21	·14	30
May	·10	·10	·09	·08	·08	·08	·10	·15	·19	·16	·12	·10	·11	·09	·08	·09	·07	·08	·09	·11	·13	·12	·10	·10	·10	31
June	·06	·06	·06	·06	·07	·08	·10	·12	·14	·10	·08	·07	·06	·06	·04	·03	·03	·03	·04	·05	·06	·06	·06	·05	·07	30
July	·01	·00	·01	·01	·01	·02	·02	·05	·07	·02	·02	·01	·02	·00	·00	·01	·01	·01	·01	·01	·02	·02	·02	·01	·02	31
Aug.	·07	·07	·07	·07	·07	·07	·08	·11	·13	·11	·07	·06	·05	·03	·03	·02	·02	·02	·03	·04	·05	·07	·07	·07	·06	31
Sept.	·08	·07	·07	·07	·06	·08	·10	·12	·16	·13	·09	·09	·09	·08	·06	·06	·06	·08	·10	·11	·13	·11	·11	·09	·09	30
Oct.	·15	·13	·12	·12	·10	·08	·10	·15	·19	·19	·18	·14	·12	·10	·10	·11	·15	·19	·25	·31	·31	·29	·26	·21	·17	31
Nov.	·23	·20	·14	·12	·11	·12	·12	·16	·25	·29	·28	·30	·28	·25	·27	·27	·30	·35	·40	·41	·42	·40	·29	·26	·26	30
Dec.	·13	·10	·09	·09	·07	·07	·06	·10	·15	·19	·21	·19	·17	·15	·17	·18	·21	·25	·27	·28	·28	·25	·20	·15	·17	31
Year	·16	·14	·13	·11	·11	·11	·11	·15	·20	·22	·20	·18	·17	·16	·15	·16	·17	·19	·22	·24	·25	·25	·21	·18	·17	365
Winter	·26	·23	·20	·18	·16	·16	·15	·19	·29	·35	·86	·33	·32	·32	·32	·33	·35	·40	·41	·43	·43	·41	·35	·29	·30	120
Eqnx. Spring	·22	·17	·15	·13	·12	·11	·12	·16	·21	·25	·22	·19	·18	·16	·13	·12	·13	·16	·21	·28	·33	·33	·27	·25	·19	61
Autumn	·12	·10	·09	·09	·08	·08	·10	·14	·17	·16	·14	·12	·10	·09	·08	·09	·11	·13	·18	·21	·22	·20	·18	·15	·13	61
Summer	·06	·06	·05	·05	·06	·06	·07	·11	·13	·10	·07	·06	·06	·05	·04	·04	·03	·03	·04	·05	·07	·07	·06	·06	·06	123

AIR POLLUTION: DIURNAL INEQUALITIES (milligrams per cubic metre)
The departures from the mean of the day are adjusted for non-cyclic change†

545 KEW OBSERVATORY 1936

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Non Cyclic Change	Range
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Jan.	-·07	-·09	-·13	-·19	-·21	-·23	-·23	-·16	-·05	+·06	+·08	+·08	+·09	+·12	+·10	+·11	+·13	+·16	+·15	+·13	+·13	+·09	+·02	-·09	·00	·39
Feb.	-·02	-·05	-·07	-·09	-·10	-·10	-·11	-·10	+·01	+·10	+·09	·00	-·02	-·03	-·03	-·03	-·01	+·04	+·06	+·13	+·11	+·10	+·08	+·04	+·02	·24
Mar.	+·02	-·02	-·04	-·06	-·07	-·09	-·09	-·05	+·01	+·08	+·06	+·03	-·02	-·04	-·08	-·08	-·08	-·03	+·03	+·11	+·15	+·13	+·09	+·05	·00	·24
Apr.	+·03	-·02	-·04	-·05	-·07	-·07	-·06	-·02	+·01	+·03	+·01	-·02	-·01	-·02	-·04	-·06	-·05	-·04	+·01	+·07	+·12	+·14	+·08	+·07	·00	·21
May	-·01	-·01	-·01	-·02	-·02	-·02	-·01	+·04	+·09	+·06	+·01	·00	+·01	-·01	-·02	-·02	-·03	-·03	-·02	+·01	+·02	+·01	·00	-·01	·00	·12
June	-·01	-·01	-·01	-·01	+·01	+·02	+·03	+·06	+·08	+·03	+·01	·00	·00	-·01	-·03	-·03	-·04	-·04	-·02	-·01	-·01	·00	-·01	-·01	·00	·12
July	-·01	-·01	-·01	-·01	-·01	·00	+·01	+·03	+·05	·00	+·01	·00	·00	-·01	-·01	-·01	-·01	-·01	·00	-·01	+·01	·00	-·00	-·01	·00	·06
Aug.	+·01	+·01	+·01	+·01	+·01	+·01	+·02	+·05	+·07	+·05	+·01	·00	-·01	-·03	-·03	-·04	-·04	-·04	-·03	-·02	-·01	+·01	+·01	+·01	·00	·11
Sept.	-·01	-·02	-·02	-·02	-·03	-·01	+·01	+·03	+·07	+·04	·00	·00	-·01	-·01	-·03	-·03	-·03	-·01	+·01	+·02	+·03	+·02	+·01	·00	·00	·10
Oct.	-·01	-·04	-·05	-·05	-·07	-·09	-·07	-·02	+·02	+·02	+·01	-·03	-·05	-·07	-·07	-·05	-·02	+·02	+·08	+·14	+·14	+·12	+·09	+·04	·00	·23
Nov.	-·03	-·06	-·12	-·14	-·15	-·14	-·14	-·09	-·01	+·03	+·02	+·04	+·02	-·01	+·01	+·01	+·04	+·09	+·14	+·16	+·16	+·14	+·04	+·01	·00	·31
Dec.	-·04	-·07	-·08	-·07	-·09	-·09	-·11	-·07	-·01	+·03	+·04	+·02	+·01	-·02	·00	+·01	+·04	+·08	+·11	+·11	+·11	+·09	+·03	-·02	·00	·22
Year	-·01	-·03	-·05	-·06	-·07	-·07	-·06	-·03	+·03	+·04	+·03	+·01	·00	-·01	-·02	-·02	-·01	+·02	+·04	+·07	+·08	+·07	+·04	+·01	·00	·15
Winter	-·04	-·07	-·10	-·12	-·14	-·14	-·15	-·11	-·01	+·05	+·06	+·03	+·02	+·02	+·02	+·03	+·05	+·09	+·11	+·13	+·13	+·11	+·04	-·02	·00	·28
Eqnx.	+·01	-·02	-·04	-·05	-·06	-·06	-·05	-·01	+·03	+·04	+·02	-·01	-·02	-·04	-·05	-·06	-·04	-·02	+·03	+·09	+·11	+·10	+·07	+·04	·00	·17
Summer	·00	-·01	-·01	-·01	-·01	·00	+·01	+·05	+·07	+·03	+·01	·00	·00	-·02	-·02	-·03	-·03	-·03	-·02	-·01	·00	·00	·00	-·01	·00	·10

† See page 23

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
Jan.			h. m. s.	s.	μ	km.	
2	NE	eL	0 48	...	...	...	Confused by microseisms.
	Z	eL	0 50	...	...	...	
	E	M	49 55	29	− 6	...	North-West of Spitzbergen.
		F	1 20	...	...	...	81° N., 7° E. (U.R.S.S.)
2	NE	eL	18 27	...	...	...	New Guinea.
	Z	eL	35	...	...	...	1° S., 134° E.
		F	55	...	...	...	(Manila.)
2/3	NE	i(S)	22 59 6	...	...	...	No " Z " record.
	NE	e	23 0 52	...	...	...	Sumatra.
	NE	eL	16	...	...	...	1° N., 98° E.
	N	M	21 15	36	+20	...	(Strasbourg.)
	E	M	39 31	19	+14	...	
		F	1 15	...	...	...	
13	—	—	10 12 to	...	...	...	No records.
			12 36	...	...	...	
14	N	e	6 5 37	...	...	...	Confused by microseisms.
	NE	i	11 55	...	...	...	
	E	i	15 58	...	...	...	
	NE	L	22	...	...	...	
	E	M	26 20	44	−62	...	
	N	M	26 42	33	−15	...	
	Z	L	29	...	...	...	
	E	M	30 17	23	−21	...	
	N	M	34 18	24	−20	...	
	Z	M	39 6	19	+23	...	
		F	8 0	...	...	...	
14	—	—	10 31 to	...	...	...	No records.
			16 36	...	...	...	
14	Z	i(PKP)	18 0 46	...	...	...	New Hebrides.
	NE	eL	50	...	...	...	16° S., 165° E.
	Z	eL	58	...	...	...	(Wellington.)
	N	M	19 11 49	18	+ 6	...	
		F	20 20	...	...	...	
15	—	—	10 16 to	...	...	...	No records.
			12 34	...	...	...	
15	—	—	13 40 to	...	...	...	No records.
			15 48	...	...	...	
15	NE	eL	16 1	...	...	...	Loyalty Islands.
	Z	eL	6	...	...	...	21° S., 168° E.
		F	17 0	...	...	...	(Wellington).
19/20	ZE	e	23 48	...	...	...	No " N-S." record.
		F	0 5	...	...	...	
20	ZE	e	8 13 10	...	...	...	No " N-S." record.
	ZE	L	15	...	...	...	Libya.
	E	M	16 30	17	−13	...	31° N., 23° E.
	Z	M	18 27	11	− 8	...	(U.R.S.S.)
		F	40	...	...	...	
20	Z	ePP	17 15 1	...	...	12000	Confused by wind and microseisms.
	NE	eSKS	21 30	...	...	...	
	NE	i	21 36	...	...	...	Felt in eastern and southern Mindanao.
	NE	L	46	...	...	...	
	Z	L	51	...	...	...	6° N., 129° E.
	N	M	58 16	26	−41	...	(Apia.)
	E	M	58 48	26	−30	...	
	Z	M	59 7	28	−41	...	
		F	18 35	...	...	...	
22		e	16 52	...	...	...	
		F	17 25	...	...	...	
27	ZNE	eL	16 19	...	...	...	Confused by microseisms.
		F	45	...	...	...	
27	NE	eL	20 0	...	...	...	Confused by microseisms.
	Z	eL	6	...	...	...	
		F	25	...	...	...	Great Altai Mountains.
							47° N., 94° E. (U.R.S.S.)
Feb.							
7	Z	iPKP	1 7 47	...	...	16000	East of Tonga Islands.
	ZNE	eL	2 0	...	...	...	19° S., 170° W.
	N	M	8 48	22	+ 3	...	(U.R.S.S.)
		F	3 15	...	...	...	
Feb.			h. m. s.	s.	μ	km.	
7	ZNE	eS	9 17 1	...	...	...	Destructive in Kansu, China.
	NE	eSS	21 31	...	...	...	36° N., 102° E.
	E	iSSS	24 37	...	...	...	(Strasbourg.)
	ZNE	i	24 59	...	...	...	
	N	i	25 7	...	...	...	
	ZNE	eL	28	...	...	...	
	N	M	39 44	22	−51	...	
	Z	M	41 4	18	+37	...	
	E	M	43 36	18	−42	...	
		F	11 5	...	...	...	
8	NE	eL	13 14	...	...	...	Confused by wind and microseisms.
	Z	eL	17	...	...	...	
		F	40	...	...	...	New Guinea.
							7° S., 140° E. (U.R.S.S.)
12	ZN	eP	11 2 45	...	...	...	Confused by microseisms.
	N	e	11 50	...	...	...	
	N	e	12 29	...	...	...	Mediterranean Sea, south-west of Crete.
	ZE	e	14 9	...	...	...	
		F	55	...	...	...	(Strasbourg.)
							No surface waves.
15	Z	e	13 5	...	...	13200	Commencement indefinite.
	ZNE	iPP	7 11	...	...	...	
	ZE	ePPP	9 30	...	...	...	Banda Sea.
	ZNE	eSKS	12 42	...	...	...	5° S., 133° E.
	NE	iSKKS	13 59	...	...	...	(J.S.A.)
	NE	iPS	16 53	...	...	...	
	Z	iSP	16 56	...	...	...	
	E	e	19 9	...	...	...	
	NE	eSS	24 1	...	...	...	
	NE	eL	36	...	...	...	
	Z	eL	41	...	...	...	
	E	M	55 29	21	−68	...	
	N	M	14 1 16	21	+83	...	
	Z	M	3 19	20	+56	...	
		eL_2	47	...	...	...	Via Antipodes.
	E	M	57 17	20	+13	...	
	Z	M	58 4	20	+13	...	
	N	M	58 19	19	+11	...	
		F	16 20	...	...	...	
16		e	14 36	...	...	...	Very small. Pacific Ocean, south-east of Japan.
		F	40	...	...	...	
							33° N., 143° E. (U.R.S.S.)
21	NE	eL	1 53	...	...	...	Felt in Osaka, Tokyo and vicinity.
	Z	eL	58	...	...	...	
	N	M	58 49	16	− 4	...	(Chiufeng.)
		F	2 20	...	...	...	34° N., 136° E. (U.R.S.S.)
21	NE	eL	7 2	...	...	...	Sze-Chwan, China.
	Z	eL	6	...	...	...	27° N., 102° E.
		F	30	...	...	...	(U.R.S.S.)
21	Z	e	17 18 28	...	...	...	Possibly not seismic.
	ZNE	e	28 12	...	...	...	Bismarck Archipelago.
	E	e	48 52	...	...	...	0°., 147° E.
	NE	L	59	...	...	...	(U.R.S.S.)
	Z	L	18 2	...	...	...	
	E	M	3 38	32	+23	...	
	Z	M	9 58	23	+16	...	
	N	M	10 55	24	+18	...	
		F	19 15	...	...	...	
22	Z	$iPKP_1$	15 52 8	...	...	19000	
	ZE	$iPKP_2$	53 34	...	...	...	By path of greater deviation.
	E	iSKKS	16 4 2	...	...	...	
	E	eSKSP	7 45	...	...	...	South of New Zealand.
	E	i	19 40	...	...	...	54° S., 165° E.
	N	i	19 44	...	...	...	(Wellington.)
	E	i	23 3	...	...	...	
	NE	iSSS	25 15	...	...	...	
	NE	L	42	...	...	...	
	Z	L	51	...	...	...	
	E	M	17 14 39	19	+36	...	
	N	M	14 46	19	−41	...	
	Z	M	15 33	19	+53	...	
		F	18 25	...	...	...	

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
			h. m. s.	s.	μ	km.	
Feb. 22	Z	ePKP	19 43 12	...	...	...	Repetition of preceding shock.
	Z	e	50 6	...	...	...	
	E	eSKKS	54 41	...	...	...	
	NE	eL	20 50	...	...	...	
	Z	eL	21 1	...	...	...	
	Z	M	5 2	24	+10	...	
		F	50	...	...	...	
27	NE	eL	11 6	...	...	...	Confused by microseisms.
	E	M	11 24	26	+ 9	...	
	Z	eL	13	...	...	...	New Guinea.
		F	35	...	...	...	3° S., 133° E. (J.S.A.)
28		e	3 41	...	...	...	
		F	4 0	...	...	...	
28	NE	eL	17 12	...	...	...	Java Sea.
	N	M	16 37	23	+ 6	...	5° S., 115° E. (U.R.S.S.)
	Z	eL	20	...	...	...	
		F	40	...	...	...	
Mar. 1	Z	e	11 16	...	...	...	Sea of Okhotsk.
	NE	eL	35	...	...	...	47° N., 148° E. (U.R.S.S.)
	Z	eL	42	...	...	...	
	N	M	48 36	18	+ 7	...	
	E	M	49 30	19	+ 8	...	
	Z	M	50 16	18	+ 6	...	
		F	12 55	...	...	...	
2	Z	iP	3 31 25	...	...	9030	Compression. Small on N.-S. component.
	Z	i	31 43	...	...	...	Sea of Japan.
	E	iS	41 37	...	...	...	43° N., 139° E. (Strasbourg.)
	NE	iSKS	41 45	...	...	...	
	Z	eS_eS	41 59	...	...	...	
	N	i	42 41	...	...	...	
	NE	eSS	47 15	...	...	...	
	N	eSSS	50 39	...	...	...	
	E	e	50 59	...	...	...	
	E	L	55	...	...	...	
	ZN	L	4 0	...	...	...	
	E	M	5 12	24	+55	...	
	N	M	5 46	24	+36	...	
	N	M	13 36	17	+34	...	
	Z	M	13 40	17	−35	...	
		F	6 10	...	...	...	
6	Z	ePKP	14 45 25	...	...	16500	South-east of Tonga Islands.
	ZNE	eL	15 45	...	...	...	23° S., 173° W. (Wellington.)
		F	16 40	...	...	...	
8	NE	eL	1 12	...	...	...	Very small.
	Z	eL	23	...	...	...	East of Formosa. (Peichiko.)
		F	30	...	...	...	
10	NE	eL	8 40	...	...	...	Very small.
	Z	eL	45	...	...	...	
		F	10	...	...	...	
10		e	12 50	...	...	...	Very small. South of Aleutian Islands.
		F	13 10	...	...	...	47° N., 177° W. (U.R.S.S.)
10	Z	eP	20 48 13	...	...	...	North-east of Japan.
	NE	eL	21 16	...	...	...	42° N., 146° E. (U.R.S.S.)
	Z	eL	21	...	...	...	
	E	M	21 59	24	+ 8	...	
	N	M	22 32	24	+ 6	...	
	Z	M	29 46	15	+ 4	...	
		F	22 10	...	...	...	
11	NE	eL	1 29	...	...	...	Japan.
	Z	eL	33	...	...	...	37° N., 140° E. (U.R.S.S.)
		F	2 0	...	...	...	
14		e	10 15	...	...	...	Very small.
		F	35	...	...	...	
Mar. 17		e	20 28	...	...	...	Indian Ocean.
	NE	eL	40	...	...	...	5° S., 83° E. (U.R.S.S.)
	Z	eL	50	...	...	...	
		F	21 10	...	...	...	
18		e	13 17	...	...	...	Very small.
		F	30	...	...	...	
18		e	14 52	...	...	...	Very small.
		F	15 5	...	...	...	
20		e	18 15	...	...	...	Very small.
		F	30	...	...	...	
20	NE	e	19 14	...	...	...	Caribbean Sea off Nicaragua.
	NE	eL	20	...	...	...	12° N., 83° W. (J.S.A.)
	Z	eL	23	...	...	...	
		F	20 0	...	...	...	
21	Z	iPP	0 16 9	...	...	...	N.E., e.
	ZNE	eL	59	...	...	...	Samoa.
	N	M	1 11 13	21	+ 8	...	13° S., 171° W. (U.R.S.S.)
	Z	M	12 29	20	+ 8	...	
	ZNE	eL_2	52	...	...	...	Via Antipodes.
		F	— — —	...	...	...	Overlapped by next shock.
21	NE	eSKS	2 16 5	...	...	...	Indian Ocean.
	ZNE	L	29	...	...	...	17° S., 73° E. (U.R.S.S.)
		F	3 15	...	...	...	
22		e	5 22	...	...	...	Very small.
		F	35	...	...	...	
22	Z	e	13 21	...	...	...	Coral Sea.
	NE	eL	25	...	...	...	10° S., 157° E. (Wellington.)
	Z	eL	32	...	...	...	
		F	14 25	...	...	...	
24		e	22 53	...	...	...	Very small. Felt in north-eastern Mindanao. (Peichiko.)
		F	23 10	...	...	...	
25	ZNE	eP	8 46 9	...	...	2250	Probably same epicentre as following shock.
	ZN	eS	49 53	...	...	...	
	ZNE	L	51	...	...	...	
	N	M	51 57	20	+ 4	...	
	Z	M	52 12	18	+ 6	...	
	E	M	52 18	17	− 6	...	
		F	— — —	...	...	...	Overlapped by next shock.
25	ZNE	iP	9 3 15	...	...	2250	Amplitudes of iP as read in mm :— N. E. Z. −2.5 +3.0 +4.0 Azimuth about 307°.
	N	iS	6 59	...	...	...	
	Z	i	7 7	...	...	...	
	ZNE	L	8	...	...	...	
	E	M	8 31	25	+27	...	
	N	M	8 57	19	−25	...	North Atlantic Ocean, south-west of Iceland.
	E	M	9 34	18	+35	...	
	Z	M	9 47	16	−33	...	55° N., 35° W. (Strasbourg.)
		F	10 10	...	...	...	
25	ZNE	eP	11 37 27	...	...	...	Repetition of preceding shock.
	ZNE	L	43	...	...	...	
		F	12 5	...	...	...	
25/26	Z	eP	23 56 18	...	...	...	Further repetition.
	ZNE	L	0 2	...	...	...	
		F	25	...	...	...	
26	ZE	eL	9 49	...	...	...	
		F	55	...	...	...	
27		e	3 5	...	...	...	
		F	45	...	...	...	
29		e	21 35	...	...	...	
		F	45	...	...	...	

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
April			h. m. s.	s.	μ	km.	
1	ZNE	iP	2 23 49	...	...	11770	Amplitudes of iP as read in mm :— N. E. Z. −0.7 −1.0 +2.7 giving azimuth about 57°.
	ZNE	iPP	28 21	...	...	...	
	NE	iSKS	34 29	...	...	...	
	NE	iSKKS	35 18	...	...	...	
	N	iS	36 1	...	...	...	
	ZE	iSP	37 34	...	...	...	
	N	iPS	37 41	...	...	...	Felt in Celebes and the Sangi Islands. 3° N., 123° E. (J.S.A.)
	NE	iPPS	38 49	...	...	...	
	N	iSS	43 39	...	...	...	
	NE	i	43 55	...	...	...	
	E	i	44 42	...	...	...	
	N	i	45 3	...	...	...	
	E	iPPP	46 17	...	...	...	By path greater than 180°.
	NE	iSSS	47 39	...	...	...	
	N	iSSSS	50 47	...	...	...	
	E	i	53 19	...	...	...	
	N	i	53 57	...	...	...	
	NE	L	58	...	...	...	
	E	M	3 2 31	37	−210	...	
	Z	L	4	...	...	...	
	N	M	— — —	(20)	>250	...	Uncertain : trace very faint.
	E	M	6 18	30	−175	...	
	Z	M	11 17	31	+300	...	
	Z	M	17 4	21	−260	...	
	ZNE	eL_2	4 18	...	...	...	Via Antipodes.
	E	M	23 37	21	−34	...	
	Z	M	23 43	19	−27	...	
	ZNE	eL_3	6 22	...	...	...	
		F	55	...	...	...	
1	ZN	ePP	20 30 2	...	...	...	South-west of Philippine Islands. (Strasbourg.)
	NE	eSKS	36 1	...	...	...	
	ZNE	iPS	39 9	...	...	...	
	E	eSS	46 4	...	...	...	
	ZNE	eL	55	...	...	...	
	E	M	21 13 35	23	+30	...	
	Z	M	18 54	20	−23	...	
	N	M	18 58	20	−31	...	
		F	22 40	...	...	...	
2	ZN	e(PPP)	6 40	...	...	...	Bismarck Archipelago. 1° S., 150° E. (J.S.A.)
	NE	eL	7 15	...	...	...	
	Z	eL	22	...	...	...	
	N	M	29 6	24	−13	...	
	Z	M	29 12	25	+11	...	
	E	M	31 46	23	+ 8	...	
		F	8 55	...	...	...	
7		e	2 53	...	...	...	Very small.
		F	3 10	...	...	...	
8	ZE	eP	4 21 35	...	...	2190	Struma Valley. (Strasbourg.)
	NE	eS	25 14	...	...	...	
	ZNE	eL	27	...	...	...	
	N	M	28 14	13	+ 9	...	
		F	50	...	...	...	
9		e	1 20	...	...	...	Very small. Mediterranean Sea, south of Italy. 38° N., 17° E. (U.R.S.S.)
		F	35	...	...	...	
9	ZNE	eL	8 30±	...	...	...	Time marks failed.
		F	9 0	...	...	...	
9	Z	iSKP	16 25 9	...	...	15000	Dilatation.
	NE	eL	17 18	...	...	...	Surface waves small and indefinite.
	Z	eL	25	...	...	...	
		F	18 25	...	...	...	West of Ellice Island. 9° S., 175° E. (U.R.S.S.)
10		e	17 50	...	...	...	Very small. Felt in Butuan. 7° N., 126° E. (U.R.S.S.)
		F	18 10	...	...	...	
10		e	20 34	...	...	...	
	NE	eL	40	...	...	...	
	Z	L	43 28	...	...	...	
		F	21 5	...	...	...	
12		e	0 36	...	...	...	Very small. Samar. 12° N., 126° E. (Manila.)
		F	1 5	...	...	...	
April			h. m. s.	s.	μ	km.	
12	ZNE	eP	21 5 38	...	...	(12500)	Caroline Islands. 10° N., 140° E. (J.S.A.)
	ZNE	iPP	10 14	...	...	...	
	ZE	iPPP	12 38	...	...	...	
	N	iPPP	12 42	...	...	...	
	NE	iPS	19 47	...	...	...	
	Z	iSPP	20 36	...	...	...	
	NE	iPPS	20 44	...	...	...	
	E	iSS	25 44	...	...	...	
	N	iSS	25 54	...	...	...	
	Z	iSS	26 2	...	...	...	
	NE	eSSS	30 9	...	...	...	
	ZNE	L	43	...	...	...	
	E	M	46 26	32	−42	...	
	N	M	59 12	21	−38	...	
	Z	M	22 1 38	18	−40	...	
		F	23 45	...	...	...	
15	ZNE	eP	16 7 37	...	...	2150	
	E	eS	11 13	...	...	...	
	ZNE	eL	14	...	...	...	
		F	30	...	...	...	
15	NE	eL	19 56	...	...	...	Caroline Islands. 7° N., 137° E. (U.R.S.S.)
	Z	L	20 4	...	...	...	
		F	25	...	...	...	
16	NE	eL	1 55	...	...	...	Caroline Islands. 8° N., 139° E. (U.R.S.S.)
	Z	eL	2 2	...	...	...	
		F	25	...	...	...	
16		e	14 7	...	...	...	Very small.
		F	20	...	...	...	
16		e	21 0	...	...	...	Very small.
		F	20	...	...	...	
19	Z	eP	5 23 25	...	...	15000	Diffracted.
	Z	iPKP	26 30	...	...	...	
	ZNE	iPP	28 54	...	...	...	
	ZNE	iPKS	29 58	...	...	...	Solomon Islands. 9° S., 156° E. (J.S.A.)
	NE	i	30 44	...	...	...	
	NE	eSKKS	35 28	...	...	...	
	NE	iSKSP	38 58	...	...	...	
	NE	iPPS	40 47	...	...	...	
	NE	eSS	46 30	...	...	...	
	E	iSKSP	48 44	...	...	...	By path greater than 180°.
	NE	iSSS	53 6	...	...	...	
	Z	iSSS	53 10	...	...	...	
	N	e	57 2	...	...	...	
	NE	L	6 0	...	...	...	
	Z	L	12	...	...	...	
	E	M	9 22	38	+185	...	
	N	M	9 42	38	+120	...	
	N	M	19 29	26	+100	...	
	E	M	23 48	23	+55	...	
	Z	M	32 1	20	−67	...	
		F	— — —	...	...	...	Overlapped by next shock.
19	ZNE	eP	9 15 30	...	...	10400	Andaman Islands. (Strasbourg.)
	NE	eS	26 46	...	...	...	
	NE	eSS	32 36	...	...	...	
	NE	eL	38	...	...	...	
	Z	eL	44	...	...	...	
	E	M	51 58	24	+17	...	
	N	M	52 45	24	−35	...	
	E	M	59 55	19	+16	...	
	Z	M	10 0 1	19	−12	...	
		F	11 45	...	...	...	
21	ZNE	eP	2 23 20	...	...	9090	Southern Persia. 28° N., 55° E. (U.R.S.S.)
	N	eS	33 35	...	...	...	
	ZNE	eL	43	...	...	...	
		F	55	...	...	...	
22		e	10 28	...	...	...	Disturbed by wind and microseisms. Atlantic Ocean. 3° N., 24° W. (U.R.S.S.)
		F	50	...	...	...	
23/24	Z	iP	23 26 26	...	...	9540	South of Aleutian Islands. 48° N., 178° E. (U.R.S.S.)
	N	eS	37 3	...	...	...	
	N	L	42	...	...	...	
	ZE	eL	48	...	...	...	
		F	0 30	...	...	...	

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
			h. m. s.	s.	μ	km.	
April 27	ZNE	eP	0 10 57	...	...	8520	Felt in Yunnan, China. 28° N., 104° E. (Peichiko.)
	NE	eS	20 43	...	...	...	
	NE	eSSS	29 34	...	...	...	
	NE	eL	34	...	...	...	
	Z	eL	39	...	...	...	
	N	M	39 53	30	−50	...	
	E	M	39 53	30	+46	...	
		F	1 45	...	...	...	
27	ZNE	eL	7 9	...	...	...	Gulf of Honduras. 16° N., 88° W. (J.S.A.)
		F	45	...	...	...	
28	Z	e	6 12 53	...	...	...	Possibly microseismic.
	NE	e	19 6	...	...	...	East of Solomon Islands.
	NE	eL	43	...	...	...	
	Z	eL	51	...	...	...	5° S., 170° E. (U.R.S.S.)
		F	8 0	...	...	...	
May 5	ZNE	eL	20 48	...	...	...	New Guinea.
	N	M	58 42	22	− 3	...	7° S., 148° E. (Manila.)
		F	21 25	...	...	...	
7		e	2 22	...	...	...	Very small. North-western India.
		F	35	...	...	...	31° N., 70° E. (U.R.S.S.)
8	ZE	i	9 37 45	...	...	...	Deep focus shock.
	ZE	e	38 53	...	...	...	Java Sea.
	N	e	42 45	...	...	...	5° S., 115° E. with depth of focus 600 km. (Pasadena.)
	NE	i	45 6	...	...	...	
	NE	e	10 5 21	...	...	...	
	NE	e	8 30	...	...	...	
		F	30	...	...	...	No surface waves.
8		e	16 6	...	...	...	Felt in Chentu, China.
		F	25	...	...	...	28° N., 103° E. (U.R.S.S.)
11	ZNE	e(PKP)	17 46 35	...	...	(13500)	Identification of phases doubtful. East of New Guinea. 7° S., 151° E. (J.S.A.)
	Z	e(PP)	48 41	...	...	...	
	ZNE	e(PKS)	49 53	...	...	...	
	Z	e(SKSP)	58 40	...	...	...	
	NE	e	18 6 21	...	...	...	
	NE	e	14 53	...	...	...	
	E	eL	25	...	...	...	
	ZN	L	30	...	...	...	
	E	M	37 12	32	+ 9	...	
	N	M	37 25	27	−15	...	
	Z	M	46 42	20	+16	...	
		F	20 10	...	...	...	
16	NE	iS	7 27 19	...	...	...	No "Z" record. Sze-Chwan, China. 28° N., 102° E. (Strasbourg.)
	NE	e	35 58	...	...	...	
	NE	L	41	...	...	...	
	N	M	46 12	29	+56	...	
	E	M	46 43	29	−55	...	
		F	9 30	...	...	...	
19	NE	eS	21 17 43	...	...	...	No "Z" record. North of New Guinea. 1° N., 141° E. (Manila.)
	NE	eL	48	...	...	...	
		F	23 15	...	...	...	
20	NE	ePP	3 27 13	...	...	14500	No "Z" record. Solomon Islands. 8° S., 160° E. (U.S.C.G.S.)
	NE	iPKS	28 10	...	...	...	
	E	e(S)	35 29	...	...	...	
	NE	iSS	45 6	...	...	...	
	E	iSSS	50 3	...	...	...	
	N	i	52 3	...	...	...	
	NE	L	59	...	...	...	
	E	M	4 13 1	29	+25	...	
	N	M	17 43	24	+17	...	
		F	6 20	...	...	...	
21	NE	eL	3 55	...	...	...	No "Z" record. Solomon Islands. 5° S., 158° E. (U.R.S.S.)
		F	4 25	...	...	...	
22	Z	e	1 33	...	...	...	
	NE	eL	2 0	...	...	...	
	Z	eL	6	...	...	...	
		F	3 5	...	...	...	
May 22/23	Z	ePKP	23 40 58	...	...	...	North of Norfolk Island. 26° S., 169° E. (U.R.S.S.)
	NE	eL	0 35	...	...	...	
	Z	eL	41	...	...	...	
		F	1 40	...	...	...	
25	NE	e(PS)	3 32	...	...	...	No "Z" record. North of New Ireland. 0°., 152° E. (U.R.S.S.)
	NE	eL	58	...	...	...	
	E	M	4 14 28	23	− 8	...	
	N	M	15 54	22	+ 8	...	
		F	5 25	...	...	...	
27	Z	iP	6 29 52	...	...	7130	Compression; N.E.,e. Widely felt in north-eastern India. Himalayas. 29° N., 84° E. (Strasbourg.)
	ZNE	iPPP	34 1	...	...	...	
	NE	iS	38 28	...	...	...	
	Z	eS	38 33	...	...	...	
	NE	iS_eS	39 47	...	...	...	
	NE	eSS	43 48	...	...	...	
	N	iSSS	45 35	...	...	...	
	NE	L	46	...	...	...	
	Z	L	49	...	...	...	
	N	M	56 28	17	−160	...	
	E	M	56 28	17	+82	...	
	E	M	7 0 26	19	−88	...	
	Z	M	0 44	17	−95	...	
		F	10 15	...	...	...	
28	NE	eL	13 19	...	...	...	South of Formosa. 22° N., 120° E. (Manila.)
	Z	eL	23	...	...	...	
		F	40	...	...	...	
28	Z	eP	19 2 2	...	...	10070	Pacific Ocean south of Mexico. 9° N., 103° W. (J.S.A.)
	NE	eSKS	12 39	...	...	...	
	NE	iS	13 3	...	...	...	
	NE	eSS	18 57	...	...	...	
	ZNE	eL	26	...	...	...	
	E	M	32 13	40	+24	...	
	Z	M	34 5	30	+17	...	
	N	M	35 7	30	−24	...	
		F	21 50	...	...	...	
June 1	Z	i	11 40 41	...	...	...	Very small.
	Z	e	42 14	...	...	...	
		F	50	...	...	...	
3	ZN	eP	3 7 51	...	...	9090	Kurile Islands. 44° N., 147° E. (U.R.S.S.)
	NE	eS	18 6	...	...	...	
	E	ePS	18 42	...	...	...	
	ZNE	eL	33	...	...	...	
	E	M	38 6	35	+11	...	
	N	M	45 43	24	+ 7	...	
		F	4 20	...	...	...	
3	ZNE	eP	9 27 8	...	...	8800	Compression. Pacific Ocean off Northern California. 40° N., 127° W. (U.S.C.G.S.)
	Z	ePP	30 13	...	...	...	
	E	eS	37 8	...	...	...	
	ZNE	eL	51	...	...	...	
	E	M	55 57	20	− 8	...	
	Z	M	10 0 45	16	+ 9	...	
	N	M	0 51	16	+ 8	...	
		F	11 0	...	...	...	
4		e	14 0	...	...	...	Very small.
		F	20	...	...	...	
5	Z	e	13 44	...	...	...	Horizontal components disturbed by wind.
		F	14 0	...	...	...	
5	Z	e	14 50	...	...	...	Horizontal components disturbed by wind. Pelew Island. 7° N., 135° E. (Manila.)
		F	16 10	...	...	...	
6	NE	e	16 35 25	...	...	...	
	NE	eL	38	...	...	...	
	Z	L	41	...	...	...	
		F	17 5	...	...	...	
7	ZN	eP	4 3 36	...	...	2490	East of Greenland. (J.S.A.)
	NE	eS	7 40	...	...	...	
	ZNE	L	9	...	...	...	
		F	25	...	...	...	

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
June			h. m. s.	s.	μ	km.	
7	ZNE	eP	4 43 11	...	...	2390	East of Greenland.
	ZNE	eS	47 7	...	...	...	73° N., 6° W.
	ZNE	L	48	...	...	...	(J.S.A.)
	E	M	53 14	18	+ 3	...	
		F	5 30	...	...	...	
9		e	0 39	...	...	...	Very small. Tibet.
		F	55	...	...	...	30° N., 90° E.
							(U.R.S.S.)
9	Z	eP	16 49 55	...	...	10310	Indian Ocean west of
	ZE	ePP	53 50	...	...	...	Sumatra.
	NE	eS	17 1 7	...	...	...	3° S., 95° E.
	N	eSS	6 53	...	...	...	(Manila.)
	NE	eL	28	...	...	...	
	Z	eL	34	...	...	...	
		F	18 25	...	...	...	
10	NE	e	3 34 41	...	...	...	
	N	e	46 11	...	...	...	
	NE	eL	50	...	...	...	
	Z	eL	57	...	...	...	
	N	M	4 4 55	19	−11	...	
		F	40	...	...	...	
10	ZE	ePKP	8 42 7	...	...	(14000)	
	Z	iPP	44 9	...	...	...	N.E., e.
	ZNE	iPKS	44 48	...	...	...	Bismarck Archipelago.
	N	ePKKP	51 55	...	...	...	5° S., 147° E.
	Z	eSP	55 0	...	...	...	(J.S.A.)
	N	eSS	9 2 7	...	...	...	Identifications of
	NE	e	16 21	...	...	...	phases uncertain;
	ZNE	L	21	...	...	...	focal depth possibly
	N	M	23 20	40	+22	...	greater than normal.
	E	M	24 2	38	−51	...	
	Z	M	34 14	22	+14	...	
	Z	L_2	10 17	...	...	...	Via Antipodes.
	Z	M	17 51	24	+12	...	
		F	11 20	...	...	...	
10	ZNE	e	17 40	...	...	...	
	ZNE	eL	46	...	...	...	
	N	M	46 58	19	− 5	...	
		F	18 10	...	...	...	
10	NE	e	19 5	...	...	...	No "Z" record.
	NE	L	7	...	...	...	West of Azores.
	N	M	8 8	19	− 5	...	39° N., 33° W.
		F	25	...	...	...	(J.S.A.)
11	ZNE	eL	10 18	...	...	...	
	N	M	18 59	20	+ 3	...	
		F	35	...	...	...	
13	Z	eP	0 38 4	...	...	2810	Mediterranean Sea.
	ZNE	eS	42 33	...	...	...	(Uccle.)
	ZNE	eL	47	...	...	...	
	N	M	48 51	22	+ 4	...	
		F	1 5	...	...	...	
14	Z	eP	2 39 12	...	...	8900	
	N	eS	49 17	...	...	...	
	ZNE	eL	3 2	...	...	...	
		F	45	...	...	...	
14	Z	eP	17 7 40	...	...	3660	Felt in Alexandria.
	ZNE	eS	13 7	...	...	...	37° N., 35° E.
	ZNE	L	16	...	...	...	(Strasbourg.)
	E	M	18 42	22	− 9	...	
	Z	M	21 9	14	− 7	...	
	N	M	21 32	17	+11	...	
		F	18 0	...	...	...	
16	Z	ePP	0 55 38	...	...	...	Loyalty Islands.
	NE	eL	1 46	...	...	...	20° S., 179° E.
	Z	eL	49	...	...	...	(U.R.S.S.)
	E	M	57 30	22	+ 3	...	
		F	2 50	...	...	...	
18		e	15 35	...	...	...	Tibet.
		F	55	...	...	...	29° N., 95° E.
							(U.R.S.S.)
19	Z	e	16 46 19	...	...	...	Kachin.
	ZNE	eL	17 15	...	...	...	25° N., 97° E.
		F	18 0	...	...	...	(U.R.S.S.)
20	ZNE	eP	6 37 19	...	...	2410	Compression.
	NE	eS	41 17	...	...	...	Atlantic Ocean north
	ZNE	eL	43	...	...	...	of Azores. (J.S.A.)
		F	7 25	...	...	...	
20	ZNE	eP	8 30 2	...	...	2670	
	NE	eS	34 20	...	...	...	
	ZNE	eL	36	...	...	...	
		F	9 5	...	...	...	
20	ZNE	iP	14 6 0	...	...	...	Pontevedra, Spain.
	ZNE	L	10 30	...	...	...	(Strasbourg.)
		F	30	...	...	...	
22	N	L	7 15	...	...	...	
	N	M	15 53	27	− 6	...	
		F	20	...	...	...	
22	ZE	eP	19 36 26	...	...	5630	Compression.
	NE	eS	43 42	...	...	...	North Atlantic Ocean.
	Z	eS	43 45	...	...	...	11° N., 43° W.
	NE	L	49	...	...	...	(Strasbourg.)
	Z	L	51	...	...	...	
	E	M	51 18	28	+ 6	...	
		F	20 40	...	...	...	
23		e	19 1	...	...	...	Very small.
		F	10	...	...	...	
27	ZNE	eP	3 23 20	...	...	2160	Compression.
	ZNE	iS	26 57	...	...	...	Atlantic Ocean.
	ZNE	L	31	...	...	...	(Strasbourg.)
	N	M	32 15	21	+ 5	...	
	E	M	33 8	15	+ 5	...	
	Z	M	33 43	13	+ 5	...	
		F	4 20	...	...	...	
27	Z	iP	21 25 44	...	...	8950	Compression. N.E., e.
	NE	iS	35 52	...	...	...	Pacific Ocean off
	ZNE	eL	55	...	...	...	Northern Japan.
		F	22 40	...	...	...	43° N., 147° E.
							(J.S.A.)
28	Z	eP	8 23 26	...	...	9930	Pacific Ocean east of
	NE	eS	34 21	...	...	...	Japan.
	NE	eL	48	...	...	...	33° N., 145° E.
	Z	eL	56	...	...	...	(U.R.S.S.)
		F	10 15	...	...	...	
28		e	18 15	...	...	...	Very small.
		F	40	...	...	...	
29	ZE	iP	14 38 52	...	...	...	Compression.
	ZNE	i	40 11	...	...	...	Turkestan.
	ZE	i	42 1	...	...	...	39° N., 71° E.
	NE	e	47 32	...	...	...	(J.S.A.)
	ZNE	eL	50	...	...	...	Long waves poorly
	N	M	15 1 8	19	− 8	...	developed.
		F	16 20	...	...	...	
30	Z	iP	15 18 31	...	...	8450	Compression; N.E., e.
	Z	i	19 38	...	...	...	
	Z	iPP	21 28	...	...	...	
	N	iPP	21 38	...	...	...	South of Kamchatka.
	ZN	iPPP	23 26	...	...	...	51° N., 160° E.
	NE	iS	28 14	...	...	...	(U.S.C.G.S.)
	Z	iS	28 16	...	...	...	
	NE	iSS	33 2	...	...	...	
	NE	iSSS	36 36	...	...	...	
	E	L	38	...	...	...	
	ZN	L	42	...	...	...	
	E	M	52 21	23	+130	...	
	N	M	55 56	23	+125	...	
	Z	M	16 1 39	16	+92	...	
	ZNE	L_2	17 29	...	...	...	Via Antipodes.
	Z	M	29 30	23	−22	...	
	N	M	29 38	24	+17	...	
		F	— — —	...	...	...	Overlapped by next shock.
30	ZNE	eP	19 34 34	...	...	5110	Turkestan.
	NE	eS	41 22	...	...	...	37° N., 61° E.
	E	eSS	45 41	...	...	...	(Strasbourg.)
	ZNE	eL	49	...	...	...	
	N	M	57 36	17	+31	...	
	E	M	57 45	18	+19	...	
		F	21 15	...	...	...	

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
			h. m. s.	s.	μ	km.	
July 2/3		e	23 50	...	...	...	Very small.
		F	0 5	...	...	...	
3	Z	e(PP)	3 20 52	...	...	...	Compression.
	Z	e(PKS)	21 27	...	...	...	Solomon Islands.
	NE	eL	59	...	...	...	11° S., 162° E.
	Z	L	4 7	...	...	...	(U.R.S.S.)
	N	M	15 28	22	+ 6	...	
		F	5 30	...	...	...	
5	Z	eP	19 9 31	...	...	12000	Felt in Mindanao, Sulu and Palau.
	ZNE	iPP	13 58	...	...	...	3·3° N., 126·3° E.
	NE	iSKS	20 27	...	...	...	(Manila.)
	Z	iPS	23 28	...	...	...	
	NE	i	23 47	...	...	...	
	NE	eSS	30 28	...	...	...	
	E	e	39 12	...	...	...	
	NE	L	43	...	...	...	
	Z	L	49	...	...	...	
	E	M	53 31	26	−29	...	
	Z	M	57 10	27	−43	...	
	N	M	57 16	28	−36	...	
		F	21 40	...	...	...	
6		e	2 54	...	...	...	Very small. Repetition of preceding shock.
		F	3 15	...	...	...	
10	ZNE	eP	3 10 25	...	...	2110	North Atlantic Ocean.
	NE	eS	13 58	...	...	...	
	ZNE	eL	15	...	...	...	
		F	30	...	...	...	
12	Z	ePKP	3 2 1	...	...	...	
	ZNE	eL	4 3	...	...	...	
		F	5 15	...	...	...	
13	ZE	iP	11 25 46	...	...	11000	Compression.
	ZNE	ePP	29 50	...	...	...	
	NE	e	36 23	...	...	...	Pacific Ocean off Northern Chile.
	NE	iSKS	36 29	...	...	...	24° S., 71° W.
	Z	iSKKS	36 47	...	...	...	(U.S.C.G.S.)
	Z	i	38 50	...	...	...	
	ZNE	iPS	38 57	...	...	...	
	E	iSS	44 35	...	...	...	
	N	i	47 31	...	...	...	
	NE	L	51	...	...	...	
	N	M	57 31	31	+210	...	
	Z	L	59	...	...	...	
	E	M	12 3 38	24	+150	...	
	Z	M	6 55	19	+150	...	
		F	16 0	...	...	...	
14		e	23 25	...	...	...	Very small.
		F	35	...	...	...	
15		e	2 40	...	...	...	Japan.
		F	3 5	...	...	...	37° N., 141° E.
							(Tokyo.)
16	ZNE	eL	7 45	...	...	...	Western United States.
	Z	M	48 47	15	− 4		46° N., 118° W.
		F	8 10	...	...	...	(J.S.A.)
21	Z	e	0 19 20	...	...	...	Formosa.
	NE	e	33	...	...	...	24·4° N., 120·8° E.
	NE	eL	40	...	...	...	(Taihoku.)
	Z	eL	45	...	...	...	
		F	1 5	...	...	...	
22	Z	ePKP	6 38 32	...	...	...	
	ZNE	eL	7 40	...	...	...	
		F	8 35	...	...	...	
23	ZNE	ePKP	6 40 6	...	...	...	
	ZNE	eL	7 41	...	...	...	
		F	9 0	...	...	...	
26	ZE	iP	7 50 27	...	...	10780	Compression.
	ZNE	ePP	54 38	...	...	...	
	NE	eS	8 1 59	...	...	...	Pacific Ocean off Northern Chile.
	ZE	iPS	2 16	...	...	...	24° S., 71° W.
	ZNE	iPPS	3 57	...	...	...	(U.S.C.G.S.)
	NE	eSS	8 40	...	...	...	
	E	eSSS	12 10	...	...	...	
	NE	e	17 37	...	...	...	
	NE	L	20	...	...	...	
July cont.	Z	eL	23	...	...	...	
	E	M	31 25	20	+19	...	
	N	M	31 33	19	−14	...	
	Z	M	31 39	19	−23	...	
		F	10 40	...	...	...	
28	ZNE	ePP	5 39 5	...	...	13700	New Guinea.
	Z	ePPP	41 36	...	...	...	(Manila.)
	NE	ePS	48 58	...	...	...	
	ZNE	eL	6 22	...	...	...	
	N	M	26 56	22	+ 6	...	
	ZNE	eL_2	7 13	...	...	...	Via Antipodes.
		F	45	...	...	...	
28	ZNE	ePP	8 13 17	...	...	13700	New Guinea.
	Z	ePPP	15 52	...	...	...	(Manila.)
	NE	ePS	23 10	...	...	...	
	ZNE	eL	55	...	...	...	
	ZNE	eL_2	9 46	...	...	...	Via Antipodes.
		F	10 25	...	...	...	
30	NE	ePKP	14 22 37	...	...	...	Very small.
	NE	eL	15 5	...	...	...	
	Z	eL	15	...	...	...	
		F	16 20	...	...	...	
31	NE	eL	18 19	...	...	...	Pacific Ocean off Southern California.
	Z	eL	23	...	...	...	23° N., 111° W.
	N	M	23 7	21	+ 5	...	(J.S.A.)
		F	19 5	...	...	...	
Aug. 1	NE	eSS	6 51 12	...	...	...	Destructive in Kansu, China.
	NE	eL	7 1	...	...	...	35° N., 105° E.
	Z	eL	5	...	...	...	(U.R.S.S.)
	N	M	5 40	17	− 9	...	
		F	8 0	...	...	...	
1	NE	eL	8 43	...	...	...	Pacific Ocean off Southern California.
	Z	eL	47	...	...	...	23° N., 111° W.
		F	9 30	...	...	...	(J.S.A.)
4	Z	e	14 26	...	...	...	Felt in Batanes Islands and in northern Luzon.
	NE	eSS	40 1	...	...	...	19·2° N., 120·5° E.
	ZNE	eL	15 0	...	...	...	(Manila.)
	N	M	8 54	16	− 7	...	
	Z	M	9 15	16	+ 8	...	
		F	50	...	...	...	
5		e	4 7	...	...	...	Very small.
		F	20	...	...	...	
8	ZNE	eP	4 18 18	...	...	2850	Rhodes. (Strasbourg.)
	NE	eS	22 50	...	...	...	
	ZNE	e	23 4	...	...	...	
	ZNE	eL	25	...	...	...	
	N	M	25 33	30	+15	...	
	E	M	30 16	14	+11	...	
	Z	M	30 21	13	+ 9	...	
		F	5 5	...	...	...	
9	NE	eL	16 55	...	...	...	South China Sea.
	Z	eL	17 00	...	...	...	19° N., 119° E.
	N	M	5 47	18	+ 2	...	(Manila.)
		F	30	...	...	...	
10		e(S)	6 42 6	...	...	...	
		F	55	...	...	...	
12		e	22 34 19	...	...	...	Kalymnos.
		F	45	...	...	...	37° N., 27° E.
							(U.R.S.S.)
13		e	16 57	...	...	...	Very small.
		F	17 5	...	...	...	
13	ZNE	eP	20 16 44	...	...	11200	Felt in northern and eastern Mindanao and in southern Leyte.
	NE	ePP	20 56	...	...	...	8° N., 127° E.
	Z	ePP	21 7	...	...	...	(Manila.)
	NE	eSKS	26 58	...	...	...	
	NE	eS	28 33	...	...	...	
	NE	ePS	30 24	...	...	...	
	ZE	ePPS	31 8	...	...	...	
	ZE	eSS	35 56	...	...	...	
	NE	L	53	...	...	...	

Galitzin Seismographs, three components

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
Aug.			h. m. s.	s.	μ	km.	
13	Z	L	58	...	...	...	
cont.	N	M	21 10 54	18	−24	...	
	E	M	10 55	17	−28	...	
	Z	M	10 59	17	+34	...	
		F	23 0	...	...	...	
14/15	NE	e	23 7	...	...	...	No " Z " record.
	NE	eL	25	...	...	...	Felt in southern and
	N	M	42 2	17	− 4	...	eastern Mindanao.
		F	0 20	...	...	...	(Manila.)
17	NE	e	14 26	...	...	...	No " Z " record.
	NE	eL	15 5	...	...	...	Solomon Islands.
	N	M	25 52	19	+ 5	...	7° S., 156° E.
		F	16 30	...	...	...	(U.R.S.S.)
18	NE	eL	7 46	...	...	...	No " Z " record.
	E	M	57 24	17	− 5	...	Pacific Ocean off
		F	8 20	...	...	...	Central America.
							17° N., 105° W.
							(J.S.A.)
20	NE	eL	2 29	...	...	...	No " Z " record.
		F	50	...	...	...	
20/21		e	23 57	...	...	...	Very small.
		F	0 15	...	...	...	
21		e	13 3	...	...	...	Very small.
		F	15	...	...	...	Turkestan.
							41° N., 75° E.
							(U.R.S.S.)
22	Z	iP	7 4 37	...	...	9950	Dilatation. N.E., e.
	ZNE	iPP	8 14	...	...	...	Destructive in
	NE	eSKS	15 4	...	...	...	Formosa.
	NE	eSKKS	15 11	...	...	...	22·4° N., 121·5° E.
	N	iS	15 33	...	...	...	(Manila.)
	Z	iSP	16 32	...	...	...	
	N	iSS	21 48	...	...	...	
	E	iSS	22 28	...	...	...	
	NE	eSSS	26 44	...	...	...	
	NE	eL	30	...	...	...	
	Z	eL	39	...	...	...	
	E	M	48 50	19	+150	...	
	N	M	50 8	19	−180	...	
	Z	M	50 10	19	+185	...	
		F	10 30	...	...	...	
22	NE	eL	11 53	...	...	...	Repetition of preced-
	Z	eL	12 0	...	...	...	ing shock.
		F	25	...	...	...	
23/24	ZNE	iP	21 25 6	...	...	9650	Compression.
	ZE	i	25 28	...	...	...	Destructive in north-
	ZE	ePP	28 54	...	...	...	ern Sumatra.
	ZE	e	32 18	...	...	...	6° N., 95° E.
	ZE	eSKS	35 28	...	...	...	(J.S.A.)
	ZNE	iS	35 48	...	...	...	Focal depth probably
	E	ePS	36 38	...	...	...	about 100 Km.
	E	ePPS	37 5	...	...	...	greater than normal.
	Z	iPPS	37 15	...	...	...	
	NE	iSS	41 3	...	...	...	
	ZE	i	41 27	...	...	...	
	E	e	42 27	...	...	...	
	N	i	48 20	...	...	...	
	ZNE	eL	50	...	...	...	
	N	M	22 2 30	27	+80	...	
	Z	M	10 39	9	−14	...	
	E	M	12 52	19	−39	...	
	ZNE	eL_2	23 30	...	...	...	Via Antipodes.
		F	0 35	...	...	...	
24/25	Z	ePKP	22 42 28	...	...	...	New Zealand.
	Z	ePP	47 2	...	...	...	40° S., 171° E.
	ZNE	eL	23 39	...	...	...	(U.R.S.S.)
	N	M	55 36	18	+ 9	...	
	Z	M	55 38	18	+ 7	...	
		F	1 5	...	...	...	
25	ZNE	ePKP	19 2 53	...	...	...	South of Tonga
	ZNE	eL	20 3	...	...	...	Islands.
		F	21 15	...	...	...	25° S., 174° W.
							(U.R.S.S.)
Aug.			h. m. s.	s.	μ	km.	
26	Z	eP	11 47 2	...	...	...	Very small.
	ZNE	eL	12 22	...	...	...	Kurile Islands.
		F	55	...	...	...	44° N., 152° E.
							(U.R.S.S.)
26		e	21 54	...	...	...	
	ZNE	eL	22 7	...	...	...	
		F	25	...	...	...	
28	Z	ePKP	6 58 6	...	...	(14000)	Diffracted wave.
	Z	ePP	7 0 27	...	...	...	South West Islands.
	ZNE	ePKS	1 29	...	...	...	8° S., 127° E.
	ZNE	eL	50	...	...	...	(U.R.S.S.)
		F	8 55	...	...	...	
28	ZNE	e	22 20 18	...	...	...	Mediterranean region.
	N	e	21 17	...	...	...	
	E	e	21 22	...	...	...	
	ZN	e	21 32	...	...	...	
	Z	e	21 58	...	...	...	
	ZNE	L	22 2	...	...	...	
		F	28	...	...	...	
29	ZNE	eL	13 6	...	...	...	Hindu Kush.
		F	30	...	...	...	37° N., 72° E.
							(U.R.S.S.)
29		e	22 41	...	...	...	Very small.
		F	23 25	...	...	...	Arabian Sea.
							12° N., 59° E.
							(U.R.S.S.)
30	ZNE	eL	17 56	...	...	...	Very small.
		F	18 20	...	...	...	
30		e	21 50	...	...	...	Very small.
		F	22 10	...	...	...	
Sept.							
2		e	13 37	...	...	...	Azerbaijan.
		F	50	...	...	...	41° N., 47° E.
							(U.R.S.S.)
3	ZNE	eL	5 48	...	...	...	Pacific Ocean off
		F	6 10	...	...	...	Central America.
							15° N., 94° W
							(J.S.A.)
3	ZNE	eL	13 43	...	...	...	
		F	14 35	...	...	...	
3		e	20 51	...	...	...	
		F	21 5	...	...	...	
4	Z	eP	8 22 45	...	...	10020	Pacific Ocean south-
	Z	ePP	26 27	...	...	...	east of Japan.
	EZ	eS	33 44	...	...	...	31° N., 143° E.
	Z	eSP	34 51	...	...	...	(U.R.S S.)
	ZNE	eL	56	...	...	...	
	Z	M	9 12 31	15	+ 5	...	
	N	M	13 2	18	− 8	...	
		F	11 10	...	...	...	
5	Z	e(PKP)	4 36 7	...	...	...	
	ZNE	eL	5 5	...	...	...	
		F	25	...	...	...	
5		e	22 47	...	...	...	Very small.
		F	23 15	...	...	...	New Guinea.
							3° S., 131° E.
							(U.R.S.S.)
6	ZNE	eL	4 57	...	...	...	Rumania.
	N	M	57 16	19	+ 3	...	45° N., 21° E.
		F	5 10	...	...	...	(Strasbourg.)
6	Z	ePKP	17 59 35	...	...	...	East of Norfolk Island.
	ZNE	eL	18 55	...	...	...	29° S., 179° W.
	E	M	19 11 21	18	+ 4	...	(U.R.S.S.)
	Z	M	11 33	18	− 4	...	
		F	20 15	...	...	...	
7		e	13 17	...	...	...	Very small.
		F	25	...	...	...	Solomon Islands.
							11° S., 162° E.
							(U.R.S.S.)

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
			h. m. s.	s.	μ	km.	
Sept. 8	ZNE	eL	17 5	...	...	...	
		F	20	...	...	...	
12	NE	eL	18 43	...	...	...	Widely felt in Formosa.
	Z	eL	48	...	...	...	24° N., 121° E.
	E	M	51 41	18	+ 5	...	(Taihoku.)
		F	19 20	...	...	...	
13		e	4 10	...	...	...	Very small.
		F	15	...	...	...	
15		e	14 10	...	...	...	Very small.
		F	15	...	...	...	
16	Z	e	9 42 17	...	...	...	
	NE	e	10 6 25	...	...	...	
	NE	e	8 3	...	...	...	
	ZNE	eL	40	...	...	...	
		F	11 35	...	...	...	
17		e	8 25	...	...	...	Very small.
		F	45	...	...	...	
17		e	18 38	...	...	...	
		F	19 15	...	...	...	
18	Z	eP	18 52 2	...	...	9430	Pacific Ocean south-east of Japan.
	NE	eSKS	19 2 8	...	...	...	31° N., 144° E.
	E	iS	2 34	...	...	...	(U.R.S.S.)
	Z	iPS	3 48	...	...	...	
	NE	eL	22	...	...	...	
	Z	eL	25	...	...	...	
	N	M	41 50	16	+ 7	...	
		F	20 55	...	...	...	
19	Z	iP	1 14 57	...	...	9970	Compression.
	ZNE	ePP	19 8	...	...	...	
	E	e	24 54	...	...	...	
	E	eSKS	25 28	...	...	...	
	NE	iS	25 54	...	...	...	Sumatra.
	N	i	26 5	...	...	...	4° N., 97° E.
	E	i	26 40	...	...	...	, (Batavia.)
	NE	iPS	27 7	...	...	...	
	Z	iSP	27 11	...	...	...	
	Z	iSPP	27 49	...	...	...	
	N	eSS	32 4	...	...	...	
	ZNE	eL	38	...	...	...	
	N	M	53 46	27	−76	...	
	E	M	2 9 38	17	+54	...	
	Z	M	17 13	20	−54	...	
		F	5 30	...	...	...	
19	NE	e(SKS)	6 53 12	...	...	...	Repetition of preceding shock.
	ZNE	eL	7 18	...	...	...	
	N	M	22 13	25	− 6	...	
		F	8 20	...	...	...	
19		e	15 25	...	...	...	Very small.
		F	45	...	...	...	
21	ZE	iP	11 46 51	...	...	2890	Dilatation. N., e.
	ZE	iS	51 26	...	...	...	Black Sea.
	ZNE	L	53	...	...	...	43° N., 33° E.
	N	M	55 38	23	− 8	...	(U.R.S.S.)
		F	12 30	...	...	...	
21	Z	iP	12 32 33	...	...	2890	Dilatation. N.E., e.
	ZE	iS	37 8	...	...	...	Repetition of preceding shock.
	ZNE	L	40	...	...	...	
	N	M	43 8	18	+ 3	...	
		F	13 30	...	...	...	
21	ZNE	eL	16 19	...	...	...	
		F	— — —	...	...	...	Overlapped by next shock.
21	Z	i(PKP)	16 49 1	...	...	...	
	ZNE	eL	17 38	...	...	...	
		F	— — —	...	...	...	Overlapped by next shock.
21	ZNE	eL	18 20	...	...	...	
		F	19 0	...	...	...	
21	ZNE	eL	20 38	...	...	...	
		F	21 0	...	...	...	
Sept. 22	Z	eP	12 2 17	...	...	2890	Further repetition from the shock of 21 d 11 h.
	ZE	eS	6 52	...	...	...	
	ZNE	eL	9	...	...	...	
		F	25	...	...	...	
23		e	6 57	...	...	...	Very small.
		F	7 10	...	...	...	
25	E	eL	13 23	...	...	...	Pacific Ocean west of Oregon.
	ZN	eL	28	...	...	...	43° N., 131° W.
	E	M	28 55	33	− 11	...	(J.S.A.)
		F	14 50	...	...	...	
Oct. 3		e	15 54	...	...	...	Felt around Trieste.
		F	16 5	...	...	...	47° N., 14·5° E.
							(Strasbourg.)
3	Z	iPP	22 9 20	...	...	12000	Compression. E., e.
	NE	eSKS	15 13	...	...	...	East Indies.
	E	ePS	18 29	...	...	...	5° N., 130° E.
	ZE	iPPS	19 29	...	...	...	(U.R.S.S.)
	NE	eSS	24 30	...	...	...	
	NE	e	33 31	...	...	...	
	NE	e	44 11	...	...	...	
	NE	L	46	...	...	...	
	N	M	47 0	27	+13	...	
	Z	L	55	...	...	...	
	E	M	59 41	18	−13	...	
	Z	M	59 45	19	+15	...	
	N	M	23 0 50	20	+22	...	
		F	40	...	...	...	
4	ZNE	eL	7 55	...	...	...	
		F	8 5	...	...	...	
5	Z	iPKP	0 13 30	...	...	...	Compression.
	ZN	ePP	18 37	...	...	...	
	Z	i	23 45	...	...	...	
	Z	iPPP	26 15	...	...	...	By path > 180°.
	NE	eSS	37 48	...	...	...	Probably deep focus.
	NE	e	38 46	...	...	...	South-east of Kermadec Islands.
	N	e	42 19	...	...	...	33° S., 175° W.
	E	eSSS	44 19	...	...	...	(Wellington.)
	N	e	46 12	...	...	...	By path > 180°.
	E	iSSS	53 1	...	...	...	
	ZNE	eL	1 9	...	...	...	
	E	M	18 45	24	+ 9	...	
	Z	M	18 50	24	+ 5	...	
	N	M	25 58	19	− 9	...	
		F	2 25	...	...	...	
5	ZNE	eL	7 3	...	...	...	
		F	30	...	...	...	
5	Z	iP	9 58 54	...	...	12000	Compression.
	Z	iPP	10 3 32	...	...	...	N.E., e.
	Z	i	3 56	...	...	...	Molucca Islands.
	NE	e	8 1	...	...	...	1° N., 127° E.
	NE	eSKKS	10 30	...	...	...	(U.S.C.G.S.)
	ZNE	iPS	12 51	...	...	...	
	ZNE	iPPS	13 56	...	...	...	
	NE	eSS	19 59	...	...	...	
	N	eSSS	23 51	...	...	...	
	ZNE	eL	26	...	...	...	
	E	M	47 16	26	−48	...	
	N	M	51 34	26	+55	...	
	Z	M	52 57	21	+48	...	
		F	12 40	...	...	...	
10		e	4 2	...	...	...	Very small.
		F	30	...	...	...	Near Pelew Island.
							9° N., 131° E.
							(U.R.S.S.)
11		e	3 5	...	...	...	Possibly not seismic.
		F	40	...	...	...	
13	NE	eL	7 30	...	...	...	Celebes Sea.
	Z	eL	41	...	...	...	1° N., 123° E.
		F	55	...	...	...	(U.R.S.S.)
14/15	ZNE	ePKP	22 35 30	...	...	...	
	NE	eL	23 31	...	...	...	
	Z	eL	36	...	...	...	
		F	0 15	...	...	...	

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
Oct.			h. m. s.	s.	μ	km.	
15	ZNE	eL	22 3	...	...	...	Confused by micro-
	E	M	9 55	23	+ 5	...	seisms.
		F	40	...	...	...	
16	NE	eL	12 57	...	...	...	New Ireland.
	Z	eL	13 4	...	...	...	4° S., 154° E.
	N	M	6 20	31	+ 9	...	(U.R.S.S.)
		F	30	...	...	...	
18*	ZNE	eP	3 12 44	...	...	1150	Destructive in North-
	E	iPQ	13 0	...	...	...	ern Italy.
	E	iP*(1)	13 9	...	...	...	46° 15′ N., 12° 30′ E.
	N	iP*(1)	13 13	...	...	...	(Strasbourg.)
	Z	iP*(2)	13 25	...	...	...	
	E	iPg	13 50	...	...	...	
	ZNE	iPs	14 20	...	...	...	
	ZNE	iS	14 39	...	...	...	
	ZE	iSQ	15 5	...	...	...	
	ZN	iS*(1)	15 19	...	...	...	
	NE	iS*(2)	15 41	...	...	...	
	NE	iSg	15 51	...	...	...	
	NE	i	15 56	...	...	...	
	E	i	16 9	...	...	...	
	ZNE	L	3 16 26	...	...	...	
	E	M	16 44	8	+40	...	
	Z	M	16 50	7	+47	...	
		F	30	...	...	...	
18		e	17 2	...	...	...	Repetition from pre-
		F	30	...	...	...	ceding shock.
19	ZNE	eL	6 51	...	...	...	
		F	7 5	...	...	...	
19		e	7 11	...	...	...	Very small. Further
		F	15	...	...	...	repetition from the
							shock of 18 d 3 h.
19	Z	iPP	12 24 0	...	...	13000	Compression. Hori-
	Z	iSP	33 35	...	...	...	zontal components
	ZNE	eL	13 2	...	...	...	disturbed by wind.
	N	M	16 43	24	−14	...	
	Z	M	16 48	23	+11	...	
	E	M	17 40	23	+15	...	
		F	14 30	...	...	...	
21	Z	eL	14 40	...	...	...	No " N-S " record.
		F	15 5	...	...	...	
22	ZNE	e(S)	4 15 51	...	...	...	
	ZNE	eL	24	...	...	...	
		F	55	...	...	...	
22/23	Z	iP	23 53 41	...	...	2030	Dilatation. N., e.
	ZNE	eS	57 7	...	...	...	Northern Iceland.
	ZNE	L	58	...	...	...	66° N., 22° W.
	N	M	59 46	14	− 7	...	(Strasbourg.)
	E	M	59 58	12	−10	...	
	Z	M	0 0 16	11	− 5	...	
	ZN	i	1 1	...	...	...	
		F	— — —	...	...	...	Overlapped by next
							shock.
23	Z	iP	0 4 28	...	...	2030	Dilatation. N., e.
	ZNE	eS	7 54	...	...	...	Repetition from pre-
	ZNE	L	9	...	...	...	ceding shock.
	N	M	9 33	15	−12	...	
	E	M	10 56	12	−15	...	
	Z	M	11 3	14	− 9	...	
	ZN	i	11 48	...	...	...	
		F	1 5	...	...	...	
23	Z	iP	6 35 6	...	...	7250	Compression. N.E., e.
	Z	i	35 18	...	...	...	
	Z	iPP	37 33	...	...	...	N.E. e.
	E	iS	43 48	...	...	...	
	N	iS	43 52	...	...	...	
	ZNE	iPS	44 5	...	...	...	Alaska.
	Z	i	44 29	...	...	...	62° N., 149° W.
	NE	iS_cS	45 11	...	...	...	(U.S.C.G.S.)
	NE	eSS	47 59	...	...	...	
	N	e	51 41	...	...	...	
	NE	eL	55	...	...	...	
	Z	eL	57	...	...	...	
	E	M	7 4 14	18	−47	...	
	N	M	5 24	19	+89	...	

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
Oct.			h. m. s.	s.	μ	km.	
23	Z	M	5 29	18	−96	...	
cont.	ZNE	eL_2	9 1	...	...	...	Via Antipodes.
		F	10 30	...	...	...	
23	ZNE	eL	17 0	...	...	...	
		F	15	...	...	...	
23	ZNE	eL	20 55	...	...	...	
		F	21 30	...	...	...	
24	ZNE	eL	14 18	...	...	...	Mediterranean Sea
		F	30	...	...	...	south of Greece.
							35·9° N., 22·4° E.
							(Athens.)
							Confused by wind and
							microseisms.
26	ZNE	eL	20 31	...	...	...	Confused by wind and
		F	55	...	...	...	microseisms.
							Strait of Malacca.
							2° N., 102° E.
							(U.S.S.R.)
26	ZN	iP	23 10 18	...	...	2290	Dilatation. Azimuth
	ZN	iPP	10 36	...	...	...	about North.
	N	e	13 56	...	...	...	Felt in Jan Mayen.
	E	eS	14 6	...	...	...	72° N., 6° W.
	ZNE	L	15	...	...	...	(Strasbourg.)
	E	M	17 25	15	+28	...	
	Z	M	20 46	13	+24	...	
	N	M	21 14	13	+28	...	
		F	55	...	...	...	
29	NE	eS	6 15 12	...	...	...	Felt in Panama.
	N	eL	27	...	...	...	(Little Rock.)
	ZE	eL	31	...	...	...	
	E	M	33 13	22	+ 5	...	
		F	7 5	...	...	...	
29	Z	iPP	18 57 30	...	...	12100	Dilatation. N.E.,e.
	NE	eS	19 5 26	...	...	...	Felt in Guam.
	ZE	ePPS	8 17	...	...	...	12° N., 146° E.
	NE	eSS	13 19	...	...	...	(U.S.C.G.S.)
	E	eSSS	17 6	...	...	...	
	N	e	18 47	...	...	...	
	NE	eL	27	...	...	...	
	Z	eL	31	...	...	...	
	E	M	36 0	33	+22	...	
	N	M	41 50	25	−25	...	
	Z	M	51 4	16	+ 9	...	
		F	21 20	...	...	...	
31	Z	e	16 29	...	...	...	Very small.
		F	40	...	...	...	
Nov.							
1	NE	eL	17 1	...	...	...	
	Z	eL	5	...	...	...	
		F	35	...	...	...	
2	ZN	iP	15 9 54	...	...	8750	Compression. E., e.
	ZN	i	9 59	...	...	...	Kurile Islands.
	N	ePP	12 56	...	...	...	50° N., 156° E.
	ZN	eS	19 52	...	...	...	(Strasbourg.)
	ZNE	i	20 11	...	...	...	
	N	ePS	20 46	...	...	...	
	E	eSS	25 6	...	...	...	
	E	eL	31	...	...	...	
	ZN	eL	36	...	...	...	
	N	M	49 2	20	−45	...	
	E	M	50 14	19	+38	...	
	Z	M	52 19	18	−41	...	
		F	18 0	...	...	...	
2/3	ZNE	iP	20 58 30	...	...	9250	Compression. Ampli-
	Z	i	58 52	...	...	...	tudes of iP as read
	Z	i	21 0 27	...	...	...	in mm :—
	ZN	iPP	1 45	...	...	...	Z N E.
	NE	iS	8 53	...	...	...	+6·5 −1·9 −1·0
	ZNE	iS_cS	9 11	...	...	...	Azimuth about 30° E.
	NE	i	10 9	...	...	...	of N. Destructive in
	E	iSS	14 39	...	...	...	Northern Japan.
	ZN	i	15 26	...	...	...	38° N., 142° E.
	E	iSSS	17 41	...	...	...	(U.S.C.G.S.)
	Z	e	19 31	...	...	...	
	NE	eL	21	...	...	...	

* The notation for the additional pulses in the records of a near shock is that of H. Jeffreys, London, Mon. Not. R. Astr. Soc., Geophys. Supp., 1, No. 2, 1923, p. 48.

SEISMOLOGICAL DIARY

Galitzin Seismographs, three components

546 KEW OBSERVATORY Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres **1936**

Date	Compt.	Phase	G.M.T.	Period	Amplitude	Δ	Remarks
			h. m. s.	s.	μ	km.	
Nov. 2/3 cont.	Z	eL	24	...	...	...	
	E	M	28 35	37	+280	...	
	N	M	30 30	31	+160	...	
	Z	M	37 59	22	−101	...	
		F	0 55	...	...	...	
3		e	5 18	...	...	...	Sea of Okhotsk.
		F	6 0	...	...	...	59° N., 155° E. (U.R.S.S.)
11	ZNE	eL	17 41	...	...	...	Pamir.
		F	55	...	...	...	38° N., 73° E. (U.R.S.S.)
13	ZN	iP	12 42 54	...	...	8130	Compression. Amplitudes of iP as read in mm :— Z. N. E. +1·8 −0·9 (0·0) Azimuth northerly.
	ZN	i	44 24	...	...	...	
	Z	iPP	45 38	...	...	...	
	N	iPP	45 48	...	...	...	
	NE	iS	52 20	...	...	...	
	ZN	i	52 30	...	...	...	
	NE	eSS	56 54	...	...	...	Bering Sea.
	N	i	57 23	...	...	...	56° N., 165° E.
	NE	eL	13 0	...	...	...	(Strasbourg.)
	E	M	4 4	33	+185	...	
	Z	eL	5	...	...	...	
	N	M	15 20	20	−100	...	
	E	M	15 20	20	+100	...	
	Z	M	24 18	14	+78	...	
		F	16 20	...	...	...	
17		e	5 39	...	...	...	Very small.
		F	45	...	...	...	
18	ZNE	eSS	16 0 8	...	...	...	Confused by wind and microseisms.
	ZNE	eL	7	...	...	...	
	E	M	7 39	18	+ 7	...	Asia Minor.
		F	25	...	...	...	41° N., 35° E. (Strasbourg.)
19	ZE	iP	21 22 26	...	...	8710	Compression. Amplitudes of iP as read in mm :— Z N E +1·8 (0·0) −0·9 Azimuth about west.
	ZE	iPP	25 19	...	...	...	
	E	iS	32 22	...	...	...	
	E	i	34 18	...	...	...	
	NE	SS	37 39	...	...	...	
	NE	eSSS	41 17	...	...	...	
	N	L	44	...	...	...	Central America.
	ZE	L	48	...	...	...	14° N., 91° W. (U.S.C.G.S.)
	E	M	57 31	21	+40	...	
	Z	M	57 35	21	+39	...	
	N	M	57 46	20	+21	...	
		F	23 55	...	...	...	
21		e	22 30	...	...	...	Very small.
		F	55	...	...	...	
22	ZE	iP	18 31 24	...	...	8700	Compression.
	N	ePS	42 11	...	...	...	
	E	e	43 17	...	...	...	
	N	eSSS	50 20	...	...	...	Central America
	ZNE	eL	51	...	...	...	14° N., 90° W.
	E	M	19 4 55	20	−10	...	(U.S.C.G.S.)
	N	M	6 32	22	−10	...	
	Z	M	7 47	18	−12	...	
		F	45	...	...	...	
26	NE	e(S)	2 33 57	...	...	...	Pacific Ocean off Costa Rica.
	ZNE	eL	45	...	...	...	
	N	M	47 39	23	+ 6	...	9° N., 85° W.
		F	3 30	...	...	...	(U.R.S.S.)
Nov. 28	ZNE	eL	12 2	...	...	...	
		F	15	...	...	...	
29/30	NE	eL	23 36	...	...	...	South of Formosa.
	Z	eL	44	...	...	...	21° N., 121° E.
		F	0 5	...	...	...	(U.R.S.S.)
Dec. 1	NE	eL	0 45	...	...	...	Confused by micro-seisms.
	Z	eL	55	...	...	...	
		F	1 20	...	...	...	
8/9	...	...	— — —	...	...	...	No records 8d 9 h 30m to 9d 10 h 30m.
13	ZNE	eL	22 25	...	...	...	Confused by wind and microseisms.
		F	23 0	...	...	...	Marianne Islands.
							15° N., 146° E. (U.R.S.S.)
20	ZNE	eL	3 23	...	...	...	Confused by wind and microseisms.
	E	M	36 11	17	+ 7	...	
		F	55	...	...	...	Destructive in Salvador.
							14° N., 89° W. (J.S.A.)
21	N	e	19 31 38	...	...	...	Large microseisms.
	ZNE	eL	35	...	...	...	Pacific Ocean off
	N	M	44 35	16	+ 9	...	North America.
		F	20 25	...	...	...	53° N., 133° W. (U.S.C.G.S.)
25	ZNE	eL	20 45	...	...	...	Pacific Ocean off Central America.
	E	M	54 9	17	+ 5	...	
	Z	M	54 21	17	+ 5	...	18° N., 105° W.
		F	21 10	...	...	...	(J.S.A.)
26/27	Z	iPKP	23 12 27	...	...	(17000)	Dilatation. N.E., e.
	Z	iPP	16 46	...	...	...	Possibly more than one shock.
	Z	i	22 44	...	...	...	
	Z	iPPS	30 22	...	...	...	New Zealand.
	N	e	31 47	...	...	...	47° S., 171° E.
	NE	eSS	37 3	...	...	...	(U.R.S S.)
	NE	ePSS	37 49	...	...	...	
	E	eSSS	43 21	...	...	...	
	ZN	e	44 55	...	...	...	
	E	e	51 47	...	...	...	
	ZNE	eL	0 2	...	...	...	
	N	M	25 39	22	+12	...	
	Z	M	28 52	20	+ 8	...	
	E	M	1 5 37	25	−16	...	
		F	55	...	...	...	
28	ZNE	eL	0 38	...	...	...	Felt in Tunis.
		F	55	...	...	...	(Strasbourg).
29	ZNE	ePKP	15 6 51	...	...	14000	Diffracted wave.
	Z	ePP	9 0	...	...	...	
	ZNE	ePKS	10 10	...	...	...	Diffracted wave.
	Z	i	11 3	...	...	...	
	Z	iPPP	24 16	...	...	...	By path greater than 180°.
	N	eSS	26 21	...	...	...	
	Z	i	37 31	...	...	...	New Guinea.
	ZNE	eL	40	...	...	...	7° S., 147° E.
	N	M	52 46	29	−27	...	(Manila.)
	E	M	53 24	26	−26	...	
	Z	M	16 11 53	20	−14	...	
		F	17 45	...	...	...	

MICROSEISMS OF VERTICAL COMPONENT: AMPLITUDE (μ = ·001 mm.) AND PERIOD (seconds).
Derived from readings for the periods of thirty minutes centring at the exact hours, Greenwich Mean Time

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Month	JANUARY								FEBRUARY								MARCH							
Hour G.M.T	0h		6h		12h		18h		0h		6h		12h		18h		0h		6h		12h		18h	
	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
Day	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s
1	2·6	7·5	2·9	8·3	2·9	8·0	3·1	7·7	1·2	6·5	1·9	6·0	2·1	6·7	2·2	6·0	1·3	5·6	1·4	5·4	1·2	5·8	1·0	6·0
2	3·0	7·0	2·4	6·3	2·3	6·0	2·4	6·0	2·6	6·5	2·9	6·7	3·5	6·3	3·0	6·7	1·0	5·8	0·8	5·6	0·6	4·7	0·5	4·7
3	2·4	6·3	2·1	5·8	2·8	6·5	2·6	6·0	3·7	6·5	4·3	6·7	3·7	6·3	2·9	6·5	0·5	4·8	0·5	5·0	0·5	4·5	0·7	5·0
4	2·7	6·5	2·4	6·3	2·2	5·6	1·7	5·7	2·8	6·5	2·7	6·5	3·5	6·5	2·6	6·5	0·7	5·2	0·7	5·0	1·0	5·6	1·1	5·0
5	1·6	5·6	1·1	5·4	2·3	5·2	3·8	5·7	3·0	6·3	2·4	6·3	2·1	6·3	2·1	6·0	1·1	7·5	3·5	8·0	4·3	8·0	3·6	7·5
6	3·5	5·4	3·0	5·0	2·6	5·7	4·2	5·7	1·6	6·0	1·8	6·0	1·2	5·2	1·4	5·6	2·6	6·7	2·1	6·3	1·2	6·5	1·1	6·0
7	2·4	6·3	1·8	6·0	1·6	6·0	1·5	6·3	1·5	5·8	1·8	5·0	2·2	6·0	2·9	5·8	0·9	6·5	0·8	5·8	0·5	4·8	0·5	4·7
8	1·7	7·3	2·2	7·0	2·0	5·7	2·2	5·4	3·6	5·4	3·3	6·5	3·1	6·3	3·2	7·0	0·5	5·2	0·7	4·8	0·9	4·5	1·1	4·7
9	2·0	6·3	3·0	6·7	4·6	6·3	4·0	6·7	4·3	6·7	5·9	7·3	6·3	7·3	4·8	6·5	1·0	4·8	1·0	5·0	0·8	5·0	0·8	5·0
10	4·6	6·0	5·3	7·0	7·7	6·5	8·1	7·0	5·9	7·0	2·9	6·7	2·4	7·3	4·3	5·2	0·5	4·3	0·4	4·7	0·4	4·3	0·4	4·8
11	5·9	7·0	4·4	5·7	4·7	6·3	3·8	7·0	8·5	5·7	8·1	6·3	6·3	6·5	3·5	7·7	0·3	6·3	0·2	5·7	0·2	5·2	0·2	4·7
12	2·8	6·0	2·9	6·3	2·5	5·2	1·9	6·7	2·4	7·3	1·7	6·5	1·3	7·2	0·9	7·5	0·2	6·0	1·0	7·7	1·6	7·3	1·3	6·7
13	1·7	5·4	1·8	6·3	1·5	7·0	2·4	7·0	0·6	5·7	1·0	6·0	1·4	5·2	1·4	5·6	0·9	6·7	1·1	6·3	0·3	6·3	0·2	6·3
14	1·9	7·0	2·1	7·3	2·4	7·3	2·1	6·5	1·2	5·0	1·2	5·0	0·9	5·8	0·8	5·6	0·2	5·8	0·2	5·0	0·4	4·3	0·2	5·0
15	1·9	6·7	1·2	7·0	1·1	6·3	1·1	6·5	0·9	6·0	0·9	5·8	1·0	5·8	1·0	5·6	0·2	5·0	0·4	4·7	0·5	4·8	0·5	4·8
16	1·0	7·0	0·9	7·0	0·7	4·6	0·6	4·6	1·5	5·8	1·5	5·6	2·2	6·0	2·9	5·8	0·7	4·8	0·4	4·5	0·6	4·8	0·4	5·0
17	0·9	4·2	1·2	4·0	1·3	4·5	1·2	4·3	4·7	5·8	4·9	5·8	4·2	6·0	3·3	6·0	0·4	4·5	0·2	5·4	0·5	4·8	0·5	4·8
18	0·6	4·5	0·7	4·8	0·9	3·7	0·8	4·3	3·1	6·3	2·6	6·0	2·5	6·3	2·1	5·7	0·5	4·6	0·7	4·8	0·8	5·8	1·1	5·7
19	0·6	4·7	0·7	4·7	0·8	5·0	0·8	5·2	2·1	5·4	1·8	5·8	2·4	5·4	3·1	5·8	0·6	5·6	0·3	5·6	0·5	5·6	0·2	5·2
20	0·9	5·4	1·2	5·0	2·3	4·7	1·9	5·3	2·1	5·6	2·6	5·8	2·2	6·0	2·2	5·6	0·4	4·6	0·2	5·0	0·2	4·8	0·4	5·2
21	2·0	5·0	1·8	5·4	2·2	5·6	2·0	5·0	1·6	5·4	2·0	6·0	1·2	5·8	1·3	5·6	0·2	4·7	0·4	4·8	0·6	4·8	1·2	4·8
22	1·6	5·0	1·5	5·4	1·1	5·0	0·9	5·2	1·3	5·6	1·4	5·4	1·1	5·8	1·2	6·2	0·9	5·2	1·3	5·6	1·3	5·6	1·4	5·6
23	0·9	5·8	0·9	4·8	0·8	5·7	1·3	5·0	1·0	5·6	1·1	5·6	1·5	5·4	1·4	5·6	1·2	5·8	1·4	5·6	0·9	5·2	0·8	5·4
24	1·2	5·8	1·1	5·6	1·2	4·8	1·2	4·7	1·1	5·4	1·4	5·2	1·0	5·6	1·1	4·8	0·8	5·2	0·9	5·2	1·1	5·2	1·0	5·8
25	1·1	4·8	0·9	5·4	0·8	5·4	1·1	6·3	1·0	4·8	0·7	5·0	0·9	5·2	0·9	4·8	1·2	5·2	0·7	5·2	0·7	4·8	0·7	4·3
26	0·9	6·3	1·1	5·7	1·1	6·3	0·8	5·4	0·7	5·2	0·8	6·0	0·9	6·5	1·4	6·0	0·2	4·8	0·3	4·3	0·2	4·7	0·3	4·5
27	1·5	4·8	2·0	5·4	2·0	7·3	3·0	6·0	2·9	7·5	3·7	7·0	3·9	6·7	3·5	6·7	0·3	4·5	0·1	3·6	0·1	3·8	0·1	4·7
28	4·5	7·0	4·9	7·0	4·0	7·3	3·3	7·5	2·8	6·0	2·5	6·5	2·4	6·0	2·4	6·0	0·1	4·1	0·1	4·0	0·1	4·0	0·1	3·9
29	3·2	7·5	2·3	7·0	1·8	6·7	1·7	5·8	2·0	6·0	1·6	6·3	2·0	5·8	1·6	5·8	0·1	3·7	0·1	4·5	0·1	4·3	0·3	4·5
30	1·7	6·7	2·1	6·3	2·2	6·3	1·7	5·7									0·2	4·8	0·5	5·0	0·5	4·8	0·7	5·0
31	1·4	6·0	1·2	6·5	1·1	6·0	1·3	5·6									0·7	5·4	0·6	5·0	0·5	5·0	0·8	5·4
Mean	2·1	6·0	2·0	6·0	2·2	5·9	2·2	5·9	2·5	6·0	2·5	6·0	2·4	6·1	2·3	6·0	0·7	5·3	0·7	5·3	0·7	5·1	0·7	5·2
Mean for Days	A = 2·1μ ; T = 5·9s								A = 2·4μ ; T = 6·0s								A = 0·7μ ; T = 5·2s							

Month	APRIL								MAY								JUNE							
Hour G.M.T	0h		6h		12h		18h		0h		6h		12h		18h		0h		6h		12h		18h	
	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
Day	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s
1	0·6	5·0	0·5	5·2	0·6	5·0	0·7	4·3	0·9	5·8	0·7	5·8	0·5	5·4	0·3	6·3	0·1	4·5	0·1	5·0	0·1	5·0	0·1	4·0
2	0·4	4·8	0·5	5·0	0·5	5·0	0·7	6·5	0·5	5·2	0·4	5·2	0·4	5·2	0·5	5·4	0·1	4·5	0·1	4·8	0·1	4·5	0·1	4·7
3	0·8	6·5	1·0	6·7	0·8	6·5	0·9	6·0	0·6	5·4	0·6	5·4	0·7	5·4	0·3	6·3	0·1	4·8	0·1	4·8	0·1	4·3	0·1	4·1
4	1·2	4·8	1·2	4·8	1·6	5·0	1·4	4·5	0·8	5·4	0·8	6·0	0·8	5·8	0·9	6·7	0·1	3·7	0·1	4·0	0·1	3·7	0·3	4·5
5	1·2	4·3	1·2	4·0	0·8	4·5	0·5	4·2	0·5	6·3	0·9	6·7	0·7	6·3	0·9	7·0	0·2	4·7	0·2	5·4	0·1	5·0	0·1	4·8
6	0·4	4·0	0·4	5·0	0·6	4·8	0·4	5·0	0·9	5·4	0·8	5·0	0·7	4·8	0·5	6·3	0·1	4·8	0·3	4·6	0·2	5·6	0·7	5·8
7	0·5	4·8	0·3	4·5	0·2	4·7	0·4	4·5	0·5	5·2	0·3	5·6	0·5	5·4	0·3	6·0	0·8	5·8	0·8	5·8	0·7	6·0	0·7	5·8
8	0·2	4·8	0·4	5·0	0·2	4·7	0·2	5·2	0·4	4·3	0·2	5·0	0·2	5·0	0·1	4·7	0·5	5·0	0·4	4·8	0·3	5·4	0·2	4·7
9	0·5	5·6	0·8	6·3	0·8	6·3	0·5	6·5	0·1	3·9	0·1	4·3	0·3	4·3	0·2	4·7	0·3	4·5	0·3	4·5	0·2	4·7	0·4	4·7
10	0·6	5·4	0·6	5·6	0·3	5·6	0·3	6·3	0·2	5·0	0·3	6·0	0·4	6·0	0·4	6·5	0·5	4·7	0·5	5·0	0·6	5·0	0·4	5·2
11	0·3	6·3	0·4	6·3	0·3	6·5	0·3	6·5	0·5	6·5	0·9	7·0	1·1	7·0	0·8	6·7	0·4	4·7	0·4	5·0	0·4	4·5	0·4	5·0
12	0·5	7·0	0·5	6·7	0·4	6·7	0·5	5·4	1·0	6·7	1·0	6·5	1·2	6·5	1·2	6·3	0·8	6·3	0·8	5·8	0·8	5·4	0·8	5·0
13	0·3	5·4	0·4	5·0	0·5	4·8	0·4	4·2	0·9	6·0	1·0	5·6	0·8	5·8	1·0	5·4	0·3	5·6	0·4	5·0	0·4	4·8	0·2	4·8
14	0·3	4·3	0·5	4·7	0·7	4·3	0·6	4·7	0·9	5·4	1·2	6·0	1·0	5·4	1·0	4·8	0·2	5·0	0·3	4·5	0·1	4·3	0·2	4·7
15	0·7	5·4	0·8	5·6	0·4	4·3	0·2	4·7	0·8	5·8	1·4	6·0	1·5	6·7	1·1	6·5	0·5	5·2	0·7	5·7	0·9	6·0	0·9	5·4
16	0·2	4·7	0·4	4·7	0·2	5·0	0·4	4·2	1·1	6·3	1·2	5·6	1·4	6·3	1·3	6·3	0·7	5·2	0·4	4·6	0·4	5·2	0·2	4·8
17	0·3	4·5	0·4	5·0	0·5	5·4	0·2	4·8	0·8	5·6	1·0	6·3	0·5	6·3	0·4	5·2	0·3	4·5	0·2	5·6	0·4	5·0	0·6	5·6
18	0·4	4·5	0·7	4·0	0·8	5·6	0·4	5·8	0·4	5·0	0·3	4·0	0·3	4·3	0·2	5·2	0·3	5·8	0·5	5·0	0·4	5·2	0·2	5·4
19	0·4	5·0	0·3	6·3	0·5	4·5	0·6	5·0	0·2	4·8	0·2	4·0	0·2	4·3	0·2	3·7	0·2	5·4	0·2	5·4	0·1	5·2	0·1	4·8
20	0·8	4·5	0·9	4·7	1·3	5·4	1·2	5·8	0·3	3·3	0·2	4·0	0·2	4·0	0·2	4·0	0·1	4·3	0·1	4·2	0·1	4·3	0·2	6·5
21	0·9	5·6	1·0	5·8	1·3	5·4	2·1	5·4	0·2	4·0	0·5	4·3	0·6	4·7	0·5	4·5	0·2	5·6	0·2	6·3	0·5	5·4	0·4	4·8
22	1·9	5·2	1·8	6·0	1·7	5·0	1·8	5·8	0·4	5·0	0·4	4·7	0·2	5·2	0·2	5·2	0·3	5·6	0·4	4·5	0·3	3·9	0·3	4·0
23	1·3	5·6	1·9	5·2	2·4	5·4	2·1	6·0	0·5	5·2	0·7	5·2	0·7	4·8	0·5	4·8	0·3	3·7	0·3	3·6	0·3	3·7	0·3	3·9
24	1·9	6·0	1·8	6·3	1·3	6·5	1·2	6·5	0·6	4·5	0·5	4·0	0·6	3·7	0·5	4·0	0·3	3·7	0·3	3·6	0·1	3·4	0·1	3·7
25	1·5	6·3	2·0	6·3	2·6	6·3	2·2	6·7	0·4	4·5	0·2	3·7	0·2	3·7	0·2	3·5	0·1	3·9	0·1	4·3	0·1	4·1	0·1	4·5
26	1·9	6·7	1·8	6·3	2·0	6·5	2·3	6·5	0·2	3·3	0·1	3·6	0·1	4·7	0·1	4·7	0·1	4·8	0·1	5·2	0·1	4·7	0·1	4·8
27	2·2	6·7	1·8	6·0	0·9	6·5	0·9	6·7	0·1	4·7	0·1	4·5	0·1	4·5	0·1	4·7	0·1	4·3	0·1	4·7	0·1	4·5	0·1	5·0
28	0·9	6·5	0·6	6·7	0·8	6·7	2·0	8·7	0·1	4·8	0·1	4·2	0·2	5·0	0·1	4·1	0·1	4·7	0·1	4·7	0·1	5·0	0·1	5·0
29	1·9	7·5	1·9	7·5	1·7	6·7	1·4	6·7	0·1	4·7	0·1	4·3	0·2	5·2	0·2	5·2	0·1	4·7	0·1	4·3	0·1	4·3	0·1	4·5
30	0·7	6·3	1·4	5·8	1·1	6·0	0·9	6·3	0·2	5·0	0·2	5·0	0·4	4·8	0·5	4·8	0·1	4·1	0·2	3·1	0·2	3·1	0·1	4·0
									0·4	4·7	0·4	4·7	0·2	4·7	0·3	4·5								
Mean	0·9	5·5	0·9	5·6	0·9	5·5	0·9	5·7	0·5	5·1	0·5	5·1	0·5	5·2	0·5	5·3	0·3	4·8	0·3	4·8	0·3	4·7	0·3	4·8
Mean for Days	A = 0·9μ ; T = 5·5s								A = 0·5μ ; T = 5·2s								A = 0·3μ ; T = 4·8s							

Note.- The Symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record

MICROSEISMS OF VERTICAL COMPONENT: AMPLITUDE (μ =·001 mm.) AND PERIOD (seconds)
Derived from readings for the period of thirty minutes centring at the exact hours, Greenwich Mean Time

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Month	JULY								AUGUST								SEPTEMBER							
Hour G.M.T.	0h		6h		12h		18h		0h		6h		12h		18h		0h		6h		12h		18h	
	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
Day	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s
1	0·1	4·0	0·1	4·0	0·1	4·0	0·1	4·0	0·4	4·3	0·4	4·7	0·4	5·0	0·4	4·3	0·2	4·7	0·2	5·0	0·5	5·6	1·0	7·0
2	0·3	4·3	0·3	4·0	0·3	4·1	0·3	4·5	0·2	5·0	0·3	4·5	0·4	4·5	0·5	4·3	0·8	6·5	1·2	6·7	1·1	7·0	0·8	7·0
3	0·3	4·5	0·3	4·3	0·3	3·7	0·3	4·0	0·4	4·7	0·4	5·0	0·2	5·0	0·3	4·5	0·6	6·7	0·8	6·5	0·5	5·7	0·4	4·8
4	0·3	6·3	0·6	6·0	0·7	6·0	0·4	5·8	0·3	4·3	0·3	4·3	0·3	3·7	0·3	4·0	0·4	4·5	0·4	4·8	0·5	4·8	0·5	4·8
5	0·7	6·3	0·6	5·8	1·1	6·3	1·0	6·3	0·3	3·7	0·3	4·3	0·4	4·3	0·3	4·5	0·5	5·0	0·6	4·8	0·7	5·2	1·0	5·4
6	0·9	6·3	0·9	6·0	0·6	6·0	0·4	5·8	0·3	4·3	0·4	4·7	0·3	4·3	0·3	4·0	0·8	5·2	1·0	5·0	0·6	4·8	0·7	5·0
7	0·5	5·0	0·4	5·0	0·3	4·5	0·2	4·8	0·3	4·3	0·2	5·0	0·2	4·8	0·4	4·5	0·7	4·8	0·9	5·2	1·2	6·0	2·4	6·5
8	0·3	4·3	0·2	4·7	0·1	4·3	0·3	4·0	0·2	4·7	0·4	4·5	0·4	5·0	0·2	4·7	2·7	6·7	2·2	6·3	1·3	6·5	1·0	6·0
9	0·4	4·3	0·3	3·9	0·3	4·2	0·3	4·5	0·2	4·8	0·3	4·5	0·2	5·0	0·2	4·7	0·7	6·0	0·8	5·0	0·6	5·2	0·5	4·8
10	0·3	4·3	0·1	4·5	0·3	3·3	0·4	4·1	0·2	4·7	0·2	4·7	0·1	4·5	0·2	5·0	0·4	5·0	0·4	4·5	0·4	4·8	0·4	4·8
11	0·3	4·1	0·3	3·9	0·3	4·0	0·3	4·5	0·3	4·3	0·3	4·5	0·4	5·2	0·4	5·0	0·4	5·0	0·5	4·8	0·5	4·7	0·4	5·2
12	0·3	4·1	0·2	4·7	0·3	4·0	0·3	4·2	0·4	4·7	0·4	5·0	0·6	5·2	0·5	5·0	0·4	5·0	0·2	4·8	0·3	4·6	0·4	4·7
13	0·3	4·3	0·3	4·0	0·4	4·3	0·4	4·8	0·4	5·2	0·2	4·7	0·2	5·0	0·1	4·3	0·3	4·3	0·3	4·3	0·4	4·7	0·3	4·5
14	0·2	4·7	0·3	4·3	0·2	5·2	0·2	4·7	0·1	4·5	0·1	4·7	0·1	4·0	0·1	3·7	0·2	4·7	0·3	4·5	0·2	4·8	0·2	4·8
15	0·3	4·0	0·2	5·0	0·4	5·0	0·6	3·9	0·1	4·2	0·1	4·2	0·1	4·0	0·1	4·3	0·2	4·8	0·1	4·5	0·2	4·7	0·2	4·8
16	0·4	5·0	0·4	4·8	0·5	4·8	0·4	4·8	0·1	4·5	0·1	4·3	0·1	4·3	0·1	3·7	0·2	5·2	0·2	5·0	0·4	5·2	0·4	5·2
17	0·4	4·7	0·3	4·2	0·5	5·0	0·6	4·7	0·1	4·0	0·1	4·0	0·1	4·0	0·1	4·0	0·2	5·0	0·2	5·6	0·3	5·6	0·5	5·4
18	0·5	4·5	0·5	5·0	0·8	4·5	0·5	5·0	0·1	4·5	0·6	5·7	1·2	6·0	1·0	5·6	0·3	5·4	0·4	4·8	0·5	5·0	0·5	5·2
19	0·5	4·3	0·4	4·7	0·5	4·3	0·4	4·1	0·8	5·8	0·7	5·0	0·9	4·5	0·6	5·0	0·5	5·4	0·5	5·6	0·5	5·4	0·6	5·6
20	0·3	3·9	0·3	3·8	0·3	3·4	0·3	3·7	0·9	4·5	0·5	5·0	0·5	5·0	0·2	4·8	0·3	5·4	0·4	5·2	0·4	5·0	0·5	4·8
21	0·3	3·2	0·3	3·3	0·2	3·1	0·1	4·1	0·3	4·5	0·2	5·0	0·2	4·8	0·2	5·2	0·3	5·4	0·4	5·0	0·1	4·5	0·1	5·2
22	0·1	4·5	0·1	4·3	0·1	4·8	0·1	4·7	0·4	5·2	0·4	4·8	0·2	5·0	0·3	4·6	0·1	5·0	0·1	4·8	0·2	4·8	0·2	5·2
23	0·1	4·3	0·3	4·3	0·2	4·7	0·9	4·8	0·3	4·5	0·3	4·5	0·4	4·3	0·2	4·8	0·2	5·0	0·5	5·0	0·4	5·0	0·4	4·8
24	1·7	4·3	1·2	5·0	1·2	5·0	1·3	5·0	0·2	4·8	0·4	4·8	0·7	6·0	0·8	6·0	0·4	4·8	0·5	4·7	0·8	4·5	0·7	4·7
25	1·3	5·0	1·0	5·0	1·0	5·0	0·9	4·8	0·7	6·0	0·6	5·8	0·4	5·0	0·2	5·0	0·5	4·8	0·8	5·2	1·4	5·2	1·4	5·2
26	0·6	5·0	0·4	5·0	0·2	5·0	0·3	4·5	0·2	5·4	0·2	5·2	0·2	5·8	0·2	5·0	1·1	5·2	1·1	5·2	0·8	5·2	1·0	4·5
27	0·2	4·7	0·3	4·2	0·3	4·5	0·3	4·0	0·1	4·8	0·2	4·8	0·3	4·3	0·3	4·0	0·6	5·0	0·7	4·7	0·8	5·0	0·6	5·0
28	0·2	4·7	0·2	4·8	0·2	4·8	0·3	5·4	0·1	4·0	0·3	4·5	0·3	4·5	0·1	4·7	0·7	5·4	0·7	4·7	0·7	4·7	0·7	4·3
29	0·3	5·4	0·2	5·4	0·2	5·0	0·3	4·3	0·1	4·8	0·2	5·6	0·1	5·0	0·1	5·6	0·4	4·2	0·5	4·3	0·4	4·3	0·4	4·5
30	0·2	4·7	0·1	4·7	0·1	4·7	0·2	5·0	0·1	5·6	0·1	5·2	0·1	5·0	0·2	4·8	0·6	4·7	0·7	5·6	0·8	5·2	0·7	5·0
31	0·3	4·3	0·3	4·3	0·5	4·8	0·5	4·7	0·2	5·0	0·2	4·7	0·3	4·3	0·2	4·7								
Mean	0·4	4·6	0·4	4·6	0·4	4·6	0·4	4·6	0·3	4·7	0·3	4·8	0·3	4·7	0·3	4·7	0·5	5·2	0·6	5·1	0·6	5·1	0·6	5·2
Mean for Days	A = 0·4μ ; T = 4·6s								A = 0·3μ ; T = 4·7s								A = 0·6μ ; T = 5·1s							

Month	OCTOBER								NOVEMBER								DECEMBER							
Hour G.M.T.	0h		6h		12h		18h		0h		6h		12h		18h		0h		6h		12h		18h	
	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
Day	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s	μ	s
1	0·8	5·4	0·9	6·7	0·8	6·5	0·8	6·3	1·4	6·7	1·2	6·7	1·3	6·5	1·1	6·5	4·9	7·7	4·4	7·7	3·5	7·5	2·9	7·0
2	0·6	6·7	0·9	6·5	1·1	7·3	1·1	7·7	1·2	6·5	1·0	6·3	1·4	7·5	1·2	7·0	2·5	7·0	2·2	6·3	1·8	6·3	1·4	6·3
3	1·1	7·7	1·3	7·5	1·2	7·3	1·2	6·3	1·6	7·3	1·2	6·7	1·6	8·3	2·2	7·5	2·0	6·3	1·7	6·0	2·1	5·8	3·4	6·3
4	1·2	6·3	1·1	7·0	0·8	6·5	0·7	6·0	1·8	7·3	1·8	7·5	2·7	7·5	2·4	7·3	5·5	6·5	6·4	7·3	6·3	6·5	4·6	6·5
5	0·6	5·2	0·4	5·0	0·4	4·8	0·3	4·3	3·0	7·5	3·1	7·0	2·3	7·0	2·1	7·0	4·0	6·3	3·3	6·5	3·1	6·7	4·0	6·7
6	0·5	4·5	0·9	4·6	1·2	4·3	1·0	4·5	1·3	7·5	1·5	7·3	1·9	7·7	1·7	6·7	4·4	7·5	3·3	7·3	2·9	6·3	1·8	6·3
7	0·8	4·5	0·6	4·7	0·5	5·0	0·3	5·4	2·5	7·7	3·1	7·5	2·9	7·0	3·1	7·7	1·6	5·4	1·1	5·8	1·2	5·8	1·2	6·0
8	0·8	6·5	1·0	6·5	0·8	6·0	0·7	5·4	1·6	7·7	3·1	8·0	3·6	7·3	4·3	7·3	0·7	5·2	0·8	6·3	0·8	6·3	0·9	6·3
9	0·7	5·2	0·8	5·4	1·4	5·4	1·8	5·4	4·4	7·7	4·1	7·7	3·4	7·7	3·1	7·3	1·0	6·3	1·0	6·3	1·1	6·3	0·9	6·3
10	1·4	5·4	1·3	4·8	1·1	4·8	0·5	4·7	2·9	7·7	2·5	7·3	1·9	6·0	1·6	6·5	0·9	7·3	0·8	7·3	1·0	6·7	1·3	7·5
11	0·5	4·6	0·4	4·7	0·4	6·0	0·2	5·4	1·2	6·5	1·4	6·0	1·3	5·0	1·5	5·4	2·6	7·5	3·0	8·0	2·9	7·7	2·9	7·3
12	0·2	5·6	0·3	5·6	0·3	5·8	0·5	5·6	2·4	6·0	2·6	5·7	3·0	6·7	2·1	6·5	2·8	7·3	2·3	7·0	2·2	6·7	1·7	7·5
13	0·5	5·4	0·8	5·6	0·6	5·6	0·9	5·2	1·7	6·3	1·6	5·4	1·3	5·4	1·5	7·3	2·1	7·3	1·3	6·5	1·2	6·7	1·2	6·0
14	0·9	5·6	0·8	5·4	1·3	5·6	1·0	5·6	1·8	7·5	1·8	7·7	4·1	8·0	3·8	8·3	2·0	5·4	2·7	6·3	3·4	6·0	3·5	5·6
15	1·0	5·8	0·9	5·6	0·8	5·8	1·1	6·0	4·3	8·0	3·3	7·7	4·5	8·0	4·1	8·3	3·3	6·7	4·2	6·3	3·8	6·5	4·1	6·0
16	2·1	8·0	2·9	8·0	3·2	7·7	2·6	7·7	4·0	7·5	2·5	7·3	2·1	7·3	1·7	6·7	6·3	6·7	5·8	7·3	8·0	8·3	7·2	8·3
17	2·1	7·0	2·6	7·0	2·6	7·0	2·7	6·7	1·2	7·3	1·1	7·3	0·9	6·5	0·7	7·3	6·0	7·5	5·6	7·3	5·5	7·3	7·3	7·0
18	2·5	6·5	3·6	6·3	3·4	6·0	2·6	5·8	0·7	6·3	0·8	7·0	0·8	6·5	0·9	6·3	5·3	7·3	4·6	7·0	3·9	6·8	2·9	6·3
19	1·7	5·4	1·8	5·6	1·3	5·7	1·2	5·2	0·5	6·7	0·9	7·3	0·8	6·7	0·9	6·5	2·8	6·5	2·4	6·7	2·6	7·3	3·3	7·0
20	1·1	5·4	1·2	5·2	0·8	5·0	0·8	5·0	1·2	7·0	2·2	7·3	2·6	7·0	2·1	7·0	4·3	7·3	7·3	7·5	6·9	8·3	8·8	8·7
21	0·6	5·6	0·5	5·0	0·5	5·2	0·5	5·0	1·6	7·0	1·8	7·0	1·3	6·5	1·7	6·7	7·2	8·3	6·9	8·0	4·9	8·0	3·7	7·7
22	0·4	4·8	0·3	5·6	0·3	5·6	0·3	5·4	1·9	7·0	1·5	7·5	2·0	7·3	1·4	7·0	2·9	7·3	2·3	7·0	2·2	6·5	1·1	6·5
23	0·4	5·0	0·5	5·0	0·5	5·2	0·6	7·0	1·7	6·7	1·2	7·0	1·0	6·7	1·1	6·5	1·2	6·5	1·1	6·5	0·8	6·0	0·9	6·3
24	0·5	5·7	0·9	6·7	1·4	7·0	1·9	6·5	0·8	6·3	0·8	6·3	0·5	6·3	0·7	5·7	1·2	6·3	1·9	5·8	1·5	6·5	1·7	6·7
25	2·1	6·7	2·7	7·0	4·2	7·5	4·0	7·7	0·3	5·7	0·4	5·0	0·3	6·0	0·2	5·7	2·0	7·5	1·4	7·3	1·3	6·7	1·1	6·3
26	5·1	8·0	3·9	8·0	2·9	7·7	3·2	7·7	0·2	5·6	0·2	5·0	0·1	5·0	0·2	5·8	0·9	6·3	0·8	6·7	0·4	6·3	0·6	5·7
27	4·7	7·3	4·5	7·0	3·6	7·3	4·1	7·0	0·1	5·4	0·1	4·7	0·2	6·0	0·2	6·0	0·3	5·6	0·6	6·0	0·4	6·5	0·3	5·4
28	4·0	7·0	3·0	7·0	2·8	7·0	2·1	6·7	0·3	6·3	0·2	5·2	0·6	6·0	0·4	5·2	0·8	6·0	0·8	5·6	0·8	5·8	1·0	6·0
29	1·2	6·5	1·0	6·0	1·3	6·7	1·0	6·3	0·2	5·7	0·4	5·2	0·8	5·6	1·1	5·8	0·9	6·0	1·2	6·7	1·1	6·5	1·1	6·7
30	1·0	7·5	4·0	8·7	4·6	8·3	4·0	8·3	1·0	6·0	1·3	6·7	4·2	7·3	5·5	7·7	1·0	6·3	1·0	6·5	0·9	6·0	1·3	6·3
31	3·2	7·5	1·9	7·7	1·8	7·7	1·8	7·0									1·3	6·3	2·1	6·3	2·5	6·5	2·7	7·0
Mean	1·4	6·1	1·5	6·2	1·5	6·2	1·5	6·1	1·6	6·8	1·6	6·7	1·9	6·7	1·8	6·7	2·7	6·7	2·7	6·7	2·6	6·7	2·6	6·6
Mean for Days	A = 1·5μ ; T = 6·1s								A = 1·7μ ; T = 6·7s								A = 2·7μ ; T = 6·7s							

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METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1936

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Valentia Observatory and Kew Observatory, and the results of soundings of the upper atmosphere by means of registering balloons

AEROLOGICAL SECTION

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1938

AEROLOGICAL SECTION

Station	Latitude	Longitude	Height above Sea Level
Kew Observatory ...	51° 28′ N. ...	0° 19′ W. ...	7 metres.
Sealand	53° 14′ N. ...	3° 0′ W. ...	5 metres.

INTRODUCTION

Notes on the tables of Upper Air Temperatures obtained from soundings with registering balloons at Kew Observatory and Sealand, 1936

The tables in the Aerological Section are presented in the same form as those appearing in the Observatories' Year Book since 1930. As in that volume geopotential is used in place of geometric height for the vertical coordinate. The units employed are :

1 Leo (symbol l.) $=10^6$ c.g.s. units of geopotential.
1 Kiloleo (symbol Kl.) $=10^8$ c.g.s. ,, ,, ,,

A table shewing the relation between height and geopotential in latitude 52° 20′, the approximate mean latitude of Kew Observatory and Sealand, is given in the Introduction to the Aerological Section of the Observatories' Year Book, 1930. For ordinary purposes it may be taken that if 2·1% be added to the geopotential in kikoleos the corresponding height in kilometres will then be obtained.

The Dines pattern meteorograph was employed solely as before, and the method of operation remained the same as in recent years. A full description will be found in "The Dines Balloon Meteorograph and the method of using it."* In the computation of pressure-geopotentials the graphical method was employed, checked as to its main features by an arithmetical process. The effect of humidity on the density of the air was neglected.

A total of 75 soundings were made during the year, 18 from the Aviation Service Station of the Meteorological Office at Sealand Aerodrome and 57 from Kew Observatory. In 68 cases the apparatus was found and returned, only 7 being lost. One record was lost owing to faulty adjustment of the instrument. In 57 cases the meteorograph was sent up attached to an apparatus intended to obtain a sample of the atmosphere from the highest point reached ; on such occasions the exposure was a little different from that of the normal case. The chief difference lay in the fact that the distance of the instrument below the balloon was only a few metres instead of forty, but the vertical velocity of the balloon was comparatively large and except in two cases (Nos. 1103 and 1112) the effects were not very noticable. In the cases of 41 of the soundings made with the air sampling apparatus the records of temperature have not been published, the heights reached having been mostly low ; the remaining 11 together with 15 ordinary soundings are published in the tables.

The ventilation of the Dines meteorograph is effected solely by the natural draught produced by its vertical velocity. The vertical velocity of the rising balloon near the start is indicated approximately in Table 548, being based on a formula derived from a limited number of observations. It is probable that even when the balloon is known to have burst, this velocity was not always maintained up to the highest point of the sounding. After the balloon had burst the velocity of fall was much higher, ranging from about 15 metres per second at 20 Kl. down to 5 near the ground. The ventilation on the descent was more adequate than on the ascent, especially in the stratosphere.

* M.O. 321, H.M. Stationery Office

As regards temperature, unless stated to the contrary the mean of the records on the ascent and descent in the troposphere was employed in computing the published figures. In general the difference between the two records did not exceed 5°A., with a mean of about half that amount. Whenever direct evidence is available it is almost always found that in the troposphere the descending record is the colder of the two. An analysis of a large number of British soundings has led to the conclusion that as far as the troposphere is concerned this effect is mainly due to a temperature lag of the thermograph member, and that the mean of the two records gives in general a close approximation to the true air temperature.* In the stratosphere the rule has been followed of using the mean for the lower part, but if the two records begin to diverge steadily with increasing height, or if in the upper part they differ consistently by more than 2 or 3°A., then the descent only is employed from thence upwards. Occasionally in exceptional circumstances it is deemed best to vary these rules, in which cases the fact is stated in the remarks.

In the case of high soundings made during the day-time a pronounced rise of temperature is sometimes observed over about a kiloleo at the extreme top. There is good evidence that this is a fictitious effect due to solar radiation and that the ascent is a great deal more affected by it than the descent. The rise of temperature in such cases is therefore usually ignored. An account of this phenomenon is to be found in " Memoirs of the Royal Meteorological Society," Vol. 2, No. 18. By L. H. G. Dines.

In most cases the meteorograph was fitted with a hair hygrograph. Only the record of relative humidity on the ascent in each case has been published, except when specific mention to the contrary is made in the remarks. The record of the descent appears to be the less reliable for two reasons, first that the previous exposure of the hair to extreme cold and dryness makes it more sluggish in response to changes in the relative humidity, second that the higher velocity at which the meteorograph falls increases the lag in its response reckoned in terms of height. The hygrometer readily shows changes in the relative humidity in the lower part of the troposphere, but the absolute value of its readings may be subject to uncertain error, especially at temperatures below freezing. No difference has been made as concerns this or previous volumes, in the interpretation of the records as between temperatures above and below the freezing point. For purposes of reference it may however be stated that Depegrams supplied to the International Commission for the exploration of the Upper Air were, up to the year 1929, drawn on the assumption that the published figures of relative humidity at temperatures below 273°A. referred to ice ; since 1930 it has been presumed that they refer to water in all cases. Below a temperature of 250°A. it seems doubtful if in the ordinary way the record has any meaning, and the figures for the higher parts of the atmosphere have not therefore been published.

In order to ensure as far as possible that the hygrograph works under standard conditions, it is normally exposed to a saturated atmosphere for ten minutes about an hour before the sounding is made.

The method of calibrating the hygrograph has remained the same as in former years. A full account of the process will be found in the Introduction to the Aerological Section of the Year Books for 1934 and preceding years.

In working up the records the hair has been assumed to have a uniform absolute coefficient of thermal expansion of 34×10^{-6} per degree A. Since the frame of the hygrograph is made of nickel silver having a coefficient of 18×10^{-6} the relative expansion of hair to frame is assumed to be 16×10^{-6} per degree A.

* See also :—Memoirs of the Indian Meteorological Department. Vol. XXIV. Part V. By J. H. Field

No allowance has been made in computing the published figures for the fact that the results of the calibration are not necessarily valid at low temperatures below the freezing point.

It has been noticed on many occasions that on passing through a cloud the hygrograph hairs expand more than they do when immersed in water or in an artificial saturated atmosphere. This phenomenon is not yet fully understood, but it has been proved that it is not due to errors in calibration or setting of the instrument; accordingly its occurrence is indicated by publishing a value of the relative humidity in excess of 100%. The values are determined by extrapolation of the calibration upwards through 100.

Data of well marked in versions and regions of zero lapse rate in the troposphere are included in the remarks on the soundings. They are set out in a uniform manner on the principle that corresponding values of geopotential, temperature and relative humidity are given for the salient points in each special case, the sequence being always from lesser geopotentials to greater.

The figures given in the table of lapse rates do not in every case agree with the temperatures appearing in the table of temperature-geopotentials. The reason for this is that both were determined independently from the original data, which can sometimes profitably be read to the nearest half degree, but are rounded off to whole degrees for publication.

The lapse rates given between ground level and 0·5 Kl. are determined from the reading in the thermometer screen at the station and that of the meteorograph at 0·5 Kl. A source of error arises here in that the two standards are independent and are not exposed in the same manner. A small difference is capable of making an appreciable error in the lapse rate, and it is possible that lapse rates apparently greater than 10°A. per Kl. in this layer are sometimes due to this cause.

Whenever possible the meteorograph was briefly calibrated again at one temperature after return, before the record plate had been disturbed, in order to discover whether any shift of zero had taken place since the previous calibration. This provides some check on the behaviour of the instrument, but disturbance is almost inevitable considering the rough treatment experienced in the shock of the fall and after.

All new meteorographs, and all old ones used again after repair, were seasoned in a vacuum chamber before use by being subjected to several slow reductions of pressure. This process has been found greatly to reduce the chance of a systematic difference occurring between the results of a fast and slow calibration. More detail is given in the Introduction to the tables for 1923, and within the limits of accuracy at present attainable in the measurement of upper air pressures, the results of the fast reduction of pressure in the calibration test may be taken as applying to the slow reduction in the actual sounding.

The lag, or difference in pressure reading as between a falling and a rising pressure, is of the order 3 or 4 millibars on the average in the middle region of a high sounding, falling off to lesser values on either side. If a correction be applied to the recorded temperature-pressures to allow for this error, it results, for an average sounding in the troposphere, in an increase in the difference between the temperatures recorded at any pressure on the ascent and descent. The effect is to make the recorded temperatures on the descent too high by about half a degree at a level of 6 or 7 kiloleos, with a tendency for the error to fall off above and below. When the mean of the two records is employed the resultant error is halved and becomes negligible.

In Table 548 occur the entries " Type of Tropopause " and " L_c=Geopotential at Tropopause." These are defined as follows :—Type I. The stratosphere commences with an inversion, and L_c is the geopotential at the first point of zero temperature gradient. Type II. The stratosphere begins with an abrupt transition to a temperature gradient below 2°A. per kiloleo without inversion, and L_c is the geopotential of the abrupt transition. Type III. There is no abrupt change of temperature gradient, and the base of the stratosphere is taken at the point where the mean fall of temperature for the kiloleo next above is 2°A. or less, provided that it does not exceed 2°A. for any subsequent kiloleo. In the remarks on the soundings the pressure distribution is classified according to the types defined in " Aids to Forecasting." †

Statistical and correlation tables will be found in the Aerological Section of the Observatories' Year Book for the years 1929 and 1935.

†—E. Gold, F.R.S., Geophysical Memoir No. 16, M.O. 220f, London, 1920.

T=Temperature in degrees absolute P=Pressure in millibars

548 L=Geopotential Level above M.S.L. in kiloleos (Kl.) RH=Relative Humidity as percentage 1936

No. of Sounding	1085	1086	1087	1088	1089	1091	1092	1093
Date	Jan. 4	Jan. 31	Feb. 1	Feb. 21	Feb. 29	Feb. 29	Mar. 1	Mar. 1
Station	Sealand	Sealand	Sealand	Sealand	Kew	Kew	Kew	Sealand
Start G.M.T.	12h. 20m.	17h. 0m.	13h. 30m.	16h. 45m.	7h. 5m.	19h. 27m.	0h. 43m.	7h. 0m.
L_t=Greatest Geopotential (Kl.)	22·31	14·43	22·87	22·77	13·61	16·61	15·96	16·23
T_t=Corresponding Temperature (°A)	214	224	217	219	222	219	218	218
P_t=Corresponding Pressure (mb.)	34	129	31	32	134	84	92	88
Place of Fall	Upton, Newark, Notts	Brace-bridge, nr. Lincoln	Whaley Bridge, Cheshire	Ossett, Yorks	Clench Common, Wilts	Leave-rance, Billings-hurst, Sussex	Offham, Lewes, Sussex	Llangam-march, Brecon
Distance (Km.)	141	165	69	105	98	52	69	130
Bearing. Degrees from N	96	90	80	61	266	190	160	200
Type of Balloon	Saul	Stirling	Saul	Saul	Veedip	Veedip	Veedip	Veedip
Weight of Balloon (Kg.)	2·08	0·59	2·03	0·50	0·45	0·37	0·36	0·32
Weight of Instrument (Kg.)	0·95	0·15	0·95	0·15	0·15	0·15	0·15	0·15
Net Free Lift (Kg.)	0·70	0·67	0·70	0·80	0·70	0·70	1·00	0·35
Estimated vertical velocity at start (m/s.)	4·0	5·5	4·0	6·5	6·0	6·0	7·5	3·5
Geostrophic Wind—Speed (m/s.)	9	10	5	11	5	9	11	18
Degrees from N	290	280	230	250	310	310	20	20
Wind (Anemograph)—Speed (m/s.)	4	1	2	5	2	3	1	6
Degrees from N	270	315	140	250	315	290	315	350
Humidity at surface (%)	82	93	83	63	89	90	95	90
Type of Tropopause	II	I	I	I	I	I	II	II
L_c=Geopotential at the tropopause (Kl.)	8·75	8·80	8·54	8·61	8·35	8·70	8·43	8·93
T_c=Temperature (°A)	219	227	215	224	220	221	221	219
P_c=Pressure (mb.)	296	306	298	300	304	289	300	279
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	222	227	224	225	225	225	223	222
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) (°A.)	218	—	222	219	—	221	—	—
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) (°A.)	216	—	219	217	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) (°A.)	245	250	245	245	243	244	243	243
P_s (Pressure at M.S.L.) (mb.)	1012	1029	987	1004	987	987	988	989

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No. of Sounding REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1936

1085 *cm_o. Clouds St. and Stcu. 5/10 from W'N, Cist. 4/10 from N, at 6 r.p.h. Pressure distribution:—Wedge of high pressure over British Isles, moving east. Type IVa.

1086 crr. Clouds Nbst. and Frnb. 10/10 from NW'S. at about 0·6 Kl. Sudden change of lapse rate at (7·92 Kl., 350 mb., 229°A., 85%.). Pressure distribution:—Shallow depression over Irish Sea, elongated depression extending from Mid-Atlantic across north Scotland to the North Sea moving east. Type III.

1087 *cm_o. Clouds Stcu. 7/10 from W. at 1·10 Kl., Acu. and Ast. 2/10 from W'N, at 7 r.p.h. Small inversion (1·61–1·75–Kl., 805—790 mb., 269—268·5°A.) Pressure distribution:—Shallow depressions off north-west Ireland and east of Shetlands filling up. Type IVa.

1088 bc. Clouds Stcu. 3/10 from WSW. at about 0·6 Kl. Pressure distribution:—Depressions over east Scotland and off north-west Scotland moving north. Type XIV.

1089 o. Clouds St. and Stcu. 10/10 from NW. at about 0·4 Kl. Small lapse rate (5·17—5·89 Kl., 490—441 mb., 239—238·6°A.). Pressure distribution:—Deep depression centred near Hamburg moving north-west. Type X.

1091 od_o. Clouds St. 10/10 from WNW. Cloudy layer thin. Pressure distribution:—Depression west of Denmark moving north-west. Type X.

1092 os_o. Clouds St. 10/10. The record of the hygrograph was above 100% near the surface on both the ascent and descent. Change of lapse rate (8·01 Kl. 320 mb., 222°A., 72%.). Pressure distribution:—Depression over North Sea moving west-north-west. Type XV.

1093 cr_o. Clouds Nbst. 10/10 from NW'N. at 0·9 Kl. Inversion (3·19—3·37 Kl., 650—634 mb., 253·7—255°A.). Inversion on descent (4·80—4·89 Kl., 519—51^2 mb., 244·7—247°A.). Pressure distribution:—Depression over North Sea almost stationary. Type XV.

* Meteorograph attached to air sampling apparatus, see Introduction

548 T=Temperature in degrees absolute P=Pressure in millibars
L=Geopotential Level above M.S.L. in kiloleos (Kl.) RH=Relative Humidity as percentage 1936

No. of Sounding	1094	1095	1098	1099	1100	1101	1103	1110	1112
Date	Mar. 13	Mar. 19	Apr. 27	Apl. 27	May 4	May 25	June 9	July 14	July 22
Station	Kew	Kew	Sealand	Sealand	Kew	Kew	Sealand	Sealand	Sealand
Start G.M.T.	17h. 23m.	15h. 41m.	11h. 10m.	14h. 30m.	13h. 44m.	19h. 35m.	11h. 3m.	18h. 0m.	11h. 15m.
L_t=Greatest Geopotential (Kl.)	17·70	19·22	21·37	22·97	22·91	16·37	21·73	14·39	22·05
T_t=Corresponding Temperature (°A.)	214	215	225	222	221	227	227	230	228
P_t=Corresponding Pressure (mb.)	71	56	44	33	33	95	42	130	40
Place of Fall	Barnet, Herts	Box-worth, Cambs	Rother-was, Hereford	Yazor, Hereford	Hamp-stead, London, N W	Long Marston, Tring, Herts	Winsford, Cheshire	Chevet Park, Wakefield, Yorks	Farley, Oakmoor, Staffs
Distance (Km.)	23	90	133	125	13	48	33	93	78
Bearing. Degrees from N	20	14	170	176	40	325	96	71	109
Type of Balloon	Veedip	Saul	Stirling	Saul	Saul	Saul (2)	Saul	—	Saul
Weight of Balloon (Kg.)	0·35	1·91	0·74	2·02	2·01	0·45	2·11	0·35	2·06
Weight of Instrument (Kg.)	0·15	0·90	0·15	0·91	0·94	1·04	0·95	0·15	0·75
Net Free Lift (Kg.)	0·50	0·70	0·54	0·74	0·71	0·76	0·70	0·70	0·70
Estimated vertical velocity at start (m/s.)	4·5	4·0	4·5	4·5	4·0	3·5	4·0	6·0	4·5
Geostrophic Wind—Speed (m/s.)	6	9	7	5	11	4	9	12	1
Degrees from N	100	190	320	300	90	100	280	230	290
Wind (Anemograph)—Speed (m/s.)	4	4	8	8	4	2	6	4	2
Degrees from N	70	170	315	315	70	90	325	225	315
Humidity at surface (%)	71	57	75	72	55	72	73	59	64
Type of Tropopause	I	I	I	I	I	II	I	I	II
L_c=Geopotential at the tropopause (Kl.)	11·21	11·41	11·35	11·91	10·79	10·27	11·79	10·25	9·43
T_c=Temperature ,, ,, ,, (°A.)	208	208	218	211	217	219	213	220	227
P_c=Pressure ,, ,, ,, (mb.)	204	200	211	191	224	247	200	247	281
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	215	214	223	219	220	224	221	—	225
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) (°A.)	—	214	223	220	220	—	223	—	224
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) (°A.)	—	—	—	221	220	—	—	—	225
T_m (Mean Temp. 1 to 9 Kl.) (°A.)	250	254	255	255	253	255	261	257	255
P_s (Pressure at M.S.L.) (mb.)	1018	1011	1026	1027	1014	1016	1020	1004	1012

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No. of Sounding

1094 c. Clouds Stcu. 9/10 from ENE. at about 0·5 Kl. Inversion (0·93—1·19 Kl., 905—874 mb., 269—272·4°A.), Isothermal (1·54—2·17 Kl., 836—770 mb., 269·4°A.). Pressure distribution :—Wedge of high pressure extending from Scandinavia to British Isles. Type VIIc.

1095 *c. Clouds Ast. and Acu. 5/10 from SSE, Ci. and Cist. 4/10 from SSE. Change of lapse rate at (16·57 Kl., 86 mb., 211·5°A.). Pressure distribution :—Pressure high to east and low to south-west of the British Isles, depression south-west of British Isles moving slowly north. Type VIIb.

1098 bc. Clouds Cu. and Stcu. 2/10 at 0·75 Kl., Acu. 1/10, Ci. 1/10 from NW. moving at 18 r.p.h. Small inversion (6·04 Kl., 464 mb., 251·5°A.), change of lapse rate (12·09 Kl., 188 mb., 219°A.). Pressure distribution :—Ridge of high pressure over British Isles, depression south-west of Iceland. Type IV.

1099 *bc. Clouds Cu. 2/10 at 0·8 Kl., Acu. 3/10 from NW'N. moving at 23 r.p.h. The descending record was used entirely for the temperature. Inversion (2·16—2·42 Kl., 782—756 mb., 266·3—268·3°A., 69—64%.). Isothermal (5·95—6·27 Kl., 470—450 mb., 250·5°A., 57—61%.). Pressure distribution :—Same as foregoing. Type IV.

1100 *bc. Clouds Frcu. 1/10 from E, Acu. 3/10 from E'S. moving at 4 r.p.h. Inversion on descent (0·99—1·15 Kl., 897—880 mb., 277·6—278·6°A.). Inversion on ascent (1·14—1·29 Kl., 882—864 mb., 279—280°A.). Inversion on descent (3·40—3·61 Kl., 660—642 mb., 262—262·5°A.). Isothermal on ascent (3·61—3·85 Kl., 640—622 mb., 263°A.). Pressure distribution :—Large anti-cyclone over Scandinavia. Type VIIc.

1101 *c. Clouds Stcu. 9/10 from ESE, Acu. trace from E. moving very slowly. Two balloons used connected by a pipe. Inversion (0·36—0·45 Kl., 973—961 mb., 287—289°A., 66—62%.). Inversion (3·91—4·07 Kl., 620—608 mb., 263·2—263·4°A., 105—83%.). Pressure distribution :—Ridge of high pressure north of British Isles, depression over Bay of Biscay. Type VIII.

1103 *b. Clouds Cu. 1/10 from W., Acu. and Ast. 1/10. There was a large difference between the temperatures recorded on the ascent and descent, except near the ground more weight was given to the descending record than to the ascending one and above 13 Kl. the descent only was used. Pressure distribution :—Anticyclone centred south-west of British Isles, trough of low pressure off west Scotland and west Ireland. Type IV.

1110 c. Clouds Cu. 1/10 from WSW. at 1·0 Kl., Acu. and Ast. 4/10 from W. moving at 8 r.p.h., Ci. 4/10 from W'S. moving at 12 r.p.h. Pressure distribution :—Complex depression north of the British Isles and another south-west of Ireland. Type V.

1112 *bc. Clouds Cu. and Stcu. 4/10 from WSW. There was rather a large difference between the temperatures recorded on the ascent and descent, above 11·0 Kl the descent only was used. Inversion (2·19—2·40 Kl., 770—749 mb., 270·4—271°A.). Pressure distribution :—Depression west of Ireland, wedge of high pressure over England. Type IVa.

* Meteorograph attached to air sampling apparatus, see Introduction

548 T=Temperature in degrees absolute P=Pressure in millibars
L=Geopotential Level above M.S.L. in kiloleos (Kl.) RH=Relative Humidity as percentage 1936

No. of Sounding	1115	1118	1129	1140	1141	1142	1144	1145	1150
Date	July 30	Aug. 10	Oct. 7	Nov. 17	Nov. 17	Nov. 18	Nov. 19	Nov. 19	Nov. 30
Station	Sealand	Kew	Kew	Sealand	Sealand	Sealand	Kew	Sealand	Sealand
Start G.M.T.	18h. 35m.	19h. 30m.	14h. 57m.	7h. 5m.	17h. 25m.	7h. 5m.	16h. 14m.	17h. 20m.	17h. 45m.
L_t=Greatest Geopotential (Kl.)	19·93	16·81	8·70	15·85	25·07	17·31	11·00	19·03	15·09
T_t=Corresponding Temperature (°A.)	224	221	226	213	213	218	215	213	218
P_t=Corresponding Pressure (mb.)	57	89	309	96	22	79	221	60	112
Place of Fall	Apperley, Glouces-ter	Gt. Chester-ford, Essex	Chidding-fold, Godalm-ming, Surrey	South-gate, Notts	Shustoke, Coleshill, Birming-ham	Porth-cawl, Glamor-gan	East Meon, Hants	Tynywain, Dolau, Radnor	Six Mile Bottom, Cambs
Distance (Km.)	152	74	46	118	119	200	72	106	251
Bearing. Degrees from N	159	25	210	88	130	194	220	190	26
Type of Balloon	Saul	Saul	Veedip	Dewey-Almey	Dewey-Almey	Dewey-Almey	Saul	Dewey-Almey	Dewey-Almey
Weight of Balloon (Kg.)	2·15	0·47	0·36	0·35	0·36	0·35	0·47	0·37	0·37
Weight of Instrument (Kg.)	0·95	0·89	0·19	0·15	0·15	0·15	0·91	0·15	0·15
Net Free Lift (Kg.)	0·70	0·86	0·64	0·70	0·85	0·85	0·99	0·70	1·05
Estimated vertical velocity at start (m/s.)	4·0	6·0	5·5	6·0	7·0	7·0	6·5	6·0	7·5
Geostrophic Wind— Speed (m/s.)	11	4	9	10	20	15	11	5	23
Degrees from N	280	30	80	240	10	30	60	80	300
Wind (Anemograph)— Speed (m/s.)	3	2	2	1	9	7	4	1	10
Degrees from N	200	110	20	225	315	315	45	70	290
Humidity at surface (%)	72	75	62	87	78	85	81	96	82
Type of Tropopause	I	I	—	I	II	I	—	I	I
L_c=Geopotential at the tropopause (Kl.)	11·68	10·75	—	10·50	8·71	10·12	—	12·35	12·89
T_c=Temperature ,, ,, ,, (°A.)	218	216	—	211	224	214	—	207	213
P_c=Pressure ,, ,, ,, (mb.)	208	231	—	230	305	214	—	181	160
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	222	222	—	213	221	216	—	212	—
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) (°A.)	223	—	—	—	217	—	—	—	—
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) (°A.)	—	—	—	—	214	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) (°A.)	263	258	—	253	250	254	256	259	254
P_s (Pressure at M.S.L.) (mb.)	1023	1012	1023	1006	1009	1020	1025	1028	1013

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No. of Sounding

1115 *c/r_o. Clouds Stcu. and Frnb. 8/10 from SW'W. at 1·2 Kl. Inversion (1·05—1·25 Kl., 900—878 mb., 281·7—282·5°A.). Pressure distribution:—Anticyclone to south-west of British Isles, depression near the Faroes. Type Ia.

1118 *o. Clouds Stcu. 10/10. Pressure distribution:—Shallow depressions north-west of Ireland and over France filling up. Type VIII.

1129 bc. Clouds Cu. and Stcu. 3/10 from NNE. Ascent curtailed by automatic release. Change of lapse rate (1·94 Kl., 800 mb., 267°A., 72%.). Pressure distribution:—Anticyclone covers the British Isles. Type VIIc.

1140 bc. Clouds Stcu. 2/10 from SW. Acu. 3/10 from W'S. moving at 10 r.p.h. Change of lapse rate (12·86 Kl., 156 mb., 212°A.). Pressure distribution:—Depression over Irish Sea moving east and decreasing in intensity. Type XV.

1141 c. Clouds Stcu. 10/10. Inversion on descent (1·55—1·81 Kl., 830—802 mb., 270·5—273°A.), Isothermal on ascent (1·95—2·29 Kl., 788—753 mb., 268°A.), Inversion on ascent (4·08—4·37 Kl., 595—571 mb., 255·5—256·5°A.), Isothermal on descent (4·53—4·93 Kl., 560—530 mb., 251·5°A.). Pressure distribution:—Depression off north-east England moving ESE. and a wedge of high pressure to the west of Ireland moving E. Type XV.

1142 bc. Clouds Stcu. 3/10. Inversion on descent (0·85—1·11 Kl., 915—886 mb., 271·5—272·7°A.), Inversion on ascent (1·16—1·37 Kl., 880—857 mb., 270·5—271°A., 98—87%.), Isothermal (3·74—4·02 Kl., 627—604 mb., 259·5°A., 23—21%.). Change of lapse rate (6·65 Kl., 420 mb., 246°A., 20%.). Change of lapse rate (11·41 Kl., 204 mb., 217°A.). Pressure distribution:—Depression over Holland moving SE, anticyclone west of Ireland moving E. Type IXa.

1144 *o. Clouds St. and Stcu. 10/10. Inversion (1·11—1·21 Kl., 890—880 mb., 272·5—273·5°A., 103—103%.). Pressure distribution:—Ridge of high pressure from west Ireland to southern Scandinavia moving slowly south. Type XIa.

1145 cm. Clouds Stcu. 9/10 at about 0·7 Kl. Inversion near ground. Inversion on descent (1·24—1·36 Kl., 881—867 mb., 271—277°A.), Inversion on ascent (1·32—1·50 Kl., 872—852 mb., 272—277°A., 80—55%.), Change of lapse rate (16·35 Kl., 93 mb., 214·5°A.), Change of lapse rate (17·67 Kl., 75 mb., 211·5°A.). Pressure distribution:—Ridge of high pressure extends from west of Ireland to southern Scandinavia. Type XIa.

1150 c. Clouds Cunb. and Frnb. 9/10 at about 0·5 Kl. Change of lapse rate (13·41 Kl., 147 mb., 215°A.). Pressure distribution:—Deep depression off Norwegian coast moving east. Type I.

* Meteorograph attached to air sampling apparatus, see Introduction

T=Temperature in degrees absolute
L=Geopotential Level above M.S.L. in kiloleos (Kl.)
P=Pressure in millibars
RH=Relative Humidity as percentage

No.	1085	1086	1087	1088	1089	1091	1092	1093
Date	Jan. 4	Jan. 31	Feb. 1	Feb. 21	Feb. 29	Feb. 29	Mar. 1	Mar. 1
Station	Sealand	Sealand	Sealand	Sealand	Kew	Kew	Kew	Sealand
Start (G.M.T.)	12h. 20m.	17h. 0m.	13h. 30m.	16h. 45m.	7h. 5m.	19h. 27m.	0h. 43m.	7h. 0m.

550 GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES 1936

Pressure	L	T	L	T	RH	L	T	L	T	RH	L	T	L	T	L	T	RH	L	T
Millibars	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +
100	15·63	18	...	...	...	15·53	20	15·65	19	...	...	...	15·52	20	15·44	19	...	15·44	18
200	11·23	22	11·58	28	...	11·06	24	11·23	26	...	11·04	25	11·07	27	11·02	25	...	11·04	23
300	8·67	19	8·93	27	79	8·49	15	8·61	24	36	8·44	20	8·47	21	8·43	21	69	8·47	20
400	6·81	31	7·03	35	88	6·65	31	6·73	32	37	6·57	35	6·59	36	6·56	33	79	6·60	33
500	5·29	42	5·49	47	91	5·13	45	5·23	42	37	5·05	40	5·05	45	5·03	44	95	5·07	46
600	3·99	52	4·17	57	95	3·82	55	3·93	53	39	3·76	51	3·75	51	3·73	50	100	3·77	52
700	2·85	61	3·01	64	101	2·67	63	2·79	62	38	2·63	59	2·62	57	2·62	56	...	2·64	57
800	1·84	68	1·99	70	105	1·65	69	1·78	68	47	1·63	64	1·63	63	1·63	63	...	1·65	64
900	·93	73	1·07	74	96	·73	75	·87	73	69	·72	70	·73	69	·73	68	...	·74	70
1000	·09	...	·23	...	...	...	...	·03	...	...	...	...	...	...	...	...	...	...	...

551 PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS 1936

Geopotentials	P	T	P	T	RH	P	T	P	T	RH	P	T	P	T	P	T	RH	P	T
Kiloleos	mb	°A + 200	mb	°A + 200	%	mb	°A + 200	mb	°A + 200	%	mb	°A + 200	mb	°A + 200	mb	°A + 200	%	mb	°A + 200
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	36	14	...	...	...	36	16	36	18	...	...	...	...	...	...	...	...	...	...
21	42	15	...	...	...	42	17	42	17	...	...	...	...	...	...	...	...	...	...
20	49	15	...	...	...	49	17	50	17	...	...	...	...	...	...	...	...	...	...
19	58	15	...	...	...	58	18	59	17	...	...	...	...	...	...	...	...	...	...
18	68	16	...	...	...	68	20	69	17	...	...	...	...	...	...	...	...	...	...
17	80	16	...	...	...	79	20	81	18	...	...	...	...	...	...	...	...	...	...
16	94	17	...	...	...	93	20	95	19	...	...	...	93	19	...	...	...	91	18
15	110	19	...	...	...	109	22	111	19	...	...	...	109	21	107	20	...	107	19
14	129	21	138	25	...	127	24	130	20	...	...	...	127	22	125	20	...	126	19
13	151	22	161	26	...	148	24	152	23	...	148	23	148	24	147	21	...	147	21
12	177	22	188	27	...	173	25	177	25	...	172	25	173	25	172	24	...	172	23
11	207	22	219	28	...	202	24	207	26	...	201	25	202	27	201	25	...	201	23
10	242	20	255	28	...	236	23	242	25	...	235	24	236	25	234	24	...	235	21
9	284	19	297	28	78	277	18	282	24	...	275	21	276	21	274	21	...	276	19
8	333	24	346	29	84	325	19	330	25	36	321	22	322	24	321	22	72	323	23
7	389	30	402	36	88	379	27	384	30	37	375	31	376	32	374	29	76	377	30
6	451	37	464	43	90	441	37	447	36	37	434	38	436	39	434	38	85	437	38
5	521	45	535	51	92	509	46	516	44	37	503	40	503	45	502	44	96	505	46
4	599	52	612	58	95	585	53	604	53	39	580	48	579	50	578	49	99	581	51
3	687	59	701	64	101	670	60	681	60	37	666	57	665	56	665	53	100	666	54
2·5	733	64	748	67	102	715	65	727	64	39	712	60	711	58	711	57	104	712	58
2	783	67	798	70	104	764	68	776	67	43	761	62	760	61	761	60	...	762	62
1·5	835	69	850	72	105	816	70	829	69	54	813	65	812	64	813	64	...	814	65
1	892	72	907	75	96	869	73	884	71	72	867	68	867	67	868	67	...	869	68
0·5	950	76	966	...	90	927	77	942	76	65	925	71	926	70	926	69	...	928	...
Ground	1011	80	1028	80	93	986	80	1003	81	63	986	74	987	75	987	74	95	989	75

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction to the Observatories' Year Book, 1935

552 LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS 1936

Degrees absolute per kiloleo

Kiloleos								
25 to 26	...	...	...	...	...	...	...	...
24 to 25	...	...	...	...	...	...	...	...
23 to 24	...	...	...	...	...	...	...	...
22 to 23	...	...	...	...	...	...	...	...
21 to 22	1	...	1	−1	...	...	...	...
20 to 21	0	...	0	0	...	...	...	...
19 to 20	0	...	1	0	...	...	...	...
18 to 19	1	...	2	0	...	...	...	...
17 to 18	0	...	0	1	...	...	...	...
16 to 17	1	...	0	1	...	...	...	...
15 to 16	2	...	2	0	...	1	...	1
14 to 15	2	...	2	0	...	2	0	0
13 to 14	1	1	0	3	...	2	1	2
12 to 13	0	1	1	2	2	1	3	2
11 to 12	−1	1	−2	1	0	2	1	0
10 to 11	−2	0	−1	−1	−1	−2	−1	−2
9 to 10	−1	0	−4	−1	−3	−4	−3	−1
8 to 9	5	1	1	1	1	3	1	3
7 to 8	6	6	8	5	9	8	7	7
6 to 7	8	8	10	6	7	7	8	8
5 to 6	8	8	9	8	2	6	6	8
4 to 5	7	7	7	9	8	5	5	5
3 to 4	7	6	7	7	9	6	4	7
2·5 to 3	10	6	8	7	6	4	7	6
2 to 2·5	6	6	7	6	4	7	8	9
1·5 to 2	5	4	3	5	6	6	6	6
1 to 1·5	6	6	7	5	6	6	7	6
0·5 to 1	7	} 5	8	9	5	7	5	} 7
Gd. to 0·5	9		7	9	7	9	9	

T=Temperature in degrees absolute
L=Geopotential Level above M.S.L. in kiloleos (Kl.)
P=Pressure in millibars
RH=Relative Humidity as percentage

No.	1094	1095	1098	1099	1100	1101	1103	1110	1112
Date	Mar. 13	Mar. 19	Apl. 27	Apl. 27	May 4	May 25	June 9	July 14	July 22
Station	Kew	Kew	Sealand	Sealand	Kew	Kew	Sealand	Sealand	Sealand
Start (G.M.T.)	17h. 23m.	15h. 41m.	11h. 10m.	14h. 30m.	13h. 44m.	19h. 35m.	11h. 3m.	18h. 0m.	11h. 15m.

550 GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued* 1936

Pressure	*L*	*T*	*L*	*T*	*L*	*T*	*RH*	*L*	*T*	*RH*	*L*	*T*	*L*	*T*	*RH*	*L*	*T*	*L*	*T*	*L*	*T*
Millibars	Kl	°A 200 +	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +	%	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +	Kl	°A 200 +	Kl	°A 200 +
100	15·59	15	15·67	14	16·11	24	...	15·94	20	...	15·89	20	16·04	26	...	16·16	22	...	...	16·13	25
200	11·33	8	11·41	8	11·69	19	...	11·63	12	...	11·49	20	11·59	20	...	11·79	13	11·59	27	11·65	26
300	8·85	22	8·93	23	9·09	33	...	9·07	30	...	8·93	25	9·02	26	62	9·21	32	8·98	30	9·01	29
400	6·95	38	7·01	40	7·11	47	28	7·11	44	61	7·01	39	7·09	40	74	7·23	47	7·02	45	7·06	43
500	5·39	49	5·44	52	5·51	53	15	5·51	53	52	5·45	50	5·52	53	73	5·61	58	5·41	55	5·47	54
600	4·07	59	4·09	61	4·16	59	23	4·17	61	43	4·11	61	4·17	63	75	4·24	67	4·06	63	4·11	63
700	2·91	65	2·93	69	3·01	64	51	3·01	64	55	2·95	67	2·99	69	115	3·04	75	2·88	69	2·93	69
800	1·88	69	1·89	75	1·98	70	65	1·99	67	70	1·91	75	1·95	76	78	1·97	79	1·83	75	1·89	72
900	·97	70	·95	80	1·06	76	78	1·07	76	74	·97	79	1·00	84	52	1·03	83	·89	81	·97	79
1000	·14	...	·09	...	·21	...	...	·22	...	...	·11	...	·13	88	67	·17	...	·03	...	·11	...

551 PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued* 1936

Geopotentials	*P*	*T*	*P*	*T*	*P*	*T*	*RH*	*P*	*T*	*RH*	*P*	*T*	*P*	*T*	*RH*	*P*	*T*	*P*	*T*	*P*	*T*
Kiloleos	mb	°A 200 +	mb	°A 200 +	mb	°A 200 +	%	mb	°A 200 +	%	mb	°A 200 +	mb	°A 200 +	%	mb	°A 200 +	mb	°A 200 +	mb	°A 200 +
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	38	22	...	38	21	...	...	...	...	...	...	...	40	28
21	...	...	...	...	47	25	...	45	21	...	45	21	...	...	...	47	26	...	...	47	26
20	...	...	...	...	54	24	...	53	21	...	52	20	...	...	...	55	24	...	...	55	26
19	...	...	58	15	64	22	...	62	20	...	61	20	...	...	...	64	23	...	...	64	25
18	...	...	68	13	74	22	...	72	20	...	72	20	...	...	...	75	23	...	...	75	25
17	79	15	80	14	87	24	...	84	20	...	84	21	...	...	...	88	23	...	...	87	25
16	94	15	95	13	102	24	...	99	20	...	98	20	101	26	...	103	22	...	...	102	24
15	110	15	111	14	119	23	...	116	20	...	115	20	117	25	...	120	21	...	...	119	24
14	129	15	131	16	139	21	...	136	18	...	135	20	137	24	...	140	21	138	28	139	25
13	152	15	154	14	163	21	...	160	15	...	158	21	160	23	...	165	20	161	27	162	25
12	179	13	182	11	191	19	...	188	12	...	185	21	187	21	...	193	14	188	27	189	25
11	211	8	214	9	223	19	...	221	16	...	217	17	220	19	...	227	17	219	24	221	26
10	250	13	253	14	261	25	...	260	22	...	254	20	257	20	...	266	26	257	22	258	27
9	293	20	296	22	304	33	...	303	30	...	297	25	301	26	62	310	34	299	30	300	29
8	342	29	346	31	352	41	...	351	39	60	346	32	350	33	69	358	42	347	38	348	36
7	397	37	401	40	406	48	28	406	45	61	401	39	405	41	74	413	48	401	45	403	43
6	459	44	462	48	467	52	25	467	50	57	463	46	467	49	70	474	55	461	52	464	50
5	528	51	531	54	535	56	17	536	57	46	532	53	536	57	75	542	62	528	58	533	57
4	605	59	608	62	613	59	25	613	61	44	609	61	613	63	92	618	69	604	63	609	63
3	691	64	693	68	701	64	51	700	64	55	695	66	699	69	116	702	75	689	69	694	68
2·5	738	67	739	71	747	67	60	748	68	63	741	71	745	72	100	748	76	734	71	740	71
2	788	69	788	74	798	70	65	798	67	70	791	74	794	76	82	797	79	783	74	789	71
1·5	840	70	839	78	850	72	72	851	72	75	842	77	845	80	70	848	81	834	78	841	75
1	896	71	893	80	906	77	77	907	77	73	897	79	900	84	52	902	83	888	80	896	79
0·5	955	72	950	82	965	...	...	966	81	71	954	83	956	88	60	959	85	945	85	953	84
Ground	1017	77	1010	85	1026	84	75	1026	84	72	1013	89	1015	88	72	1019	89	1003	91	1012	90

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction to the Observatories Year Book, 1935

552 LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued* 1936

Degrees absolute per kiloleo

Kiloleos									
25 to 26	...	...	...	...	...	...	...	...	...
24 to 25	...	...	...	...	...	...	...	...	...
23 to 24	...	...	...	...	...	...	...	...	...
22 to 23	...	...	...	0	...	...	...	...	...
21 to 22	...	...	...	−1	0	...	...	...	−2
20 to 21	...	...	−1	0	−1	...	−2	...	0
19 to 20	...	...	−2	−1	0	...	−1	...	−1
18 to 19	...	−1	0	0	0	...	0	...	0
17 to 18	...	0	2	0	1	...	0	...	0
16 to 17	0	−1	0	0	−1	...	−1	...	−1
15 to 16	0	1	−1	0	0	−1	−1	...	0
14 to 15	0	2	−2	−2	0	−1	0	...	1
13 to 14	0	−1	0	−3	1	−1	−1	−1	0
12 to 13	−2	−4	−2	−3	0	−2	−6	0	0
11 to 12	−5	−2	0	4	−4	−2	3	−3	1
10 to 11	5	5	6	6	3	1	9	−2	1
9 to 10	7	8	8	8	5	6	8	8	2
8 to 9	8	9	8	8	7	7	8	8	7
7 to 8	8	7	7	7	7	8	7	7	7
6 to 7	7	8	4	5	7	8	6	7	7
5 to 6	7	6	4	7	7	8	7	6	7
4 to 5	8	8	3	4	8	6	7	5	6
3 to 4	5	6	5	3	5	6	6	6	5
2·5 to 3	6	6	6	8	8	7	4	5	5
2 to 2·5	4	5	5	−1	8	7	5	6	2
1·5 to 2	2	7	5	9	6	8	5	7	7
1 to 1·5	2	6	9	10	3	8	3	6	8
0·5 to 1	3	3	7	8	8	7	4	9	9
Gd. to 0·5	10	7		7	13	1	8	12	13

T=Temperature in degrees absolute
L=Geopotential Level above M.S.L. in kiloleos (Kl.)
P=Pressure in millibars
RH=Relative Humidity as percentage

No.	1115	1118	1129	1140	1141	1142	1144	1145	1150
Date	July 30	Aug. 10	Oct. 7	Nov. 17	Nov. 17	Nov. 18	Nov. 19	Nov. 19	Nov. 30
Station	Sealand	Kew	Kew	Sealand	Sealand	Sealand	Kew	Sealand	Sealand
Start (G.M.T.)	18h. 35m.	19h. 30m.	14h. 57m.	7h. 5m.	17h. 25m.	7h. 5m.	16h. 14m.	17h. 20m.	17h. 45m.

550 GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued* 1936

Pressure	*L*	*T*	*L*	*T*	*RH*	*L*	*T*	*RH*	*L*	*T*	*L*	*T*	*L*	*T*	*RH*	*L*	*T*	*RH*	*L*	*T*	*RH*	*L*	*T*
Millibars	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +	%	Kl	°A 200 +	Kl	°A 200 +	Kl	°A 200 +	%	Kl	°A 200 +	%	Kl	°A 200 +	%	Kl	°A 200 +
100	16·33	23	16·07	22	...	...	...	...	15·59	13	15·77	16	15·84	15	...	...	...	...	15·91	10	...	...	...
200	11·93	19	11·65	19	...	...	...	...	11·35	12	11·41	22	11·54	16	...	...	...	...	11·74	11	...	11·52	16
300	9·31	35	9·07	30	...	...	...	...	8·86	21	8·81	24	8·98	29	...	9·07	27	...	9·17	31	...	8·94	29
400	7·29	51	7·11	45	53	6·99	37	61	6·97	39	6·91	37	7·02	44	20	7·13	44	30	7·21	45	90	6·99	44
500	5·65	60	5·51	56	61	5·44	48	68	5·40	51	5·35	51	5·42	55	18	5·52	56	29	5·61	57	91	5·39	54
600	4·27	68	4·15	64	108	4·11	58	73	4·05	62	4·02	56	4·07	60	21	4·17	62	33	4·23	65	72	4·03	61
700	3·07	75	2·97	70	114	2·96	64	80	2·87	69	2·87	66	2·92	62	32	2·99	68	46	3·05	72	30	2·87	63
800	2·01	80	1·92	78	81	1·94	67	72	1·83	74	1·83	71	1·91	69	42	1·95	73	67	1·99	75	35	1·86	67
900	1·05	82	·97	84	75	1·03	74	66	·91	79	·91	74	·99	72	92	1·03	73	102	1·07	73	75	·95	73
1000	·19	...	·10	...	...	·19	...	...	·05	...	·07	...	·16	...	...	·19	...	...	·23	...	...	·11	...

551 PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued* 1936

Geopotentials	*P*	*T*	*P*	*T*	*RH*	*P*	*T*	*RH*	*P*	*T*	*P*	*T*	*P*	*T*	*RH*	*P*	*T*	*RH*	*P*	*T*	*RH*	*P*	*T*
Kiloleos	mb	°A 200 +	mb	°A 200 +	%	mb	°A 200 +	%	mb	°A 200 +	mb	°A 200 +	mb	°A 200 +	%	mb	°A 200 +	%	mb	°A 200 +	%	mb	°A 200 +
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	22	13	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	26	13	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	31	14	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	36	14	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	43	14	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	50	14	...	...	...	...	...	...	...	...	...	...	...
19	66	24	...	...	...	...	...	...	...	...	59	14	...	...	...	...	...	...	60	13	...	...	...
18	77	23	...	...	...	...	...	...	...	...	70	15	...	...	...	...	...	...	71	12	...	...	...
17	90	23	...	...	...	...	...	...	...	...	82	14	83	17	...	...	...	...	84	13	...	...	...
16	105	23	101	22	...	...	...	...	...	...	96	16	97	15	...	...	...	...	99	11	...	...	...
15	123	22	118	22	...	...	...	...	110	14	113	17	115	15	...	...	...	...	116	11	...	114	18
14	144	22	138	23	...	...	...	...	130	14	133	17	134	17	...	...	...	...	137	11	...	134	14
13	169	20	162	22	...	...	...	...	153	13	156	20	158	17	...	...	...	...	162	10	...	157	13
12	198	19	189	22	...	...	...	...	180	13	182	22	186	15	...	...	...	...	192	8	...	185	14
11	231	22	222	17	...	...	...	...	212	12	213	23	218	14	...	221	15	...	225	15	...	217	18
10	270	30	260	23	...	...	...	...	250	13	249	24	256	20	...	259	22	...	264	23	...	255	23
9	313	38	303	31	...	...	...	...	293	20	291	24	299	29	...	303	28	...	308	33	...	297	28
8	362	46	352	39	59	344	30	53	343	29	340	28	347	38	...	352	37	...	357	39	89	345	36
7	417	53	406	45	52	399	37	61	398	39	395	36	401	45	20	407	45	30	412	47	90	400	44
6	477	59	467	52	71	461	43	70	459	47	456	46	461	51	18	468	53	29	474	54	89	460	50
5	545	64	535	59	45	531	51	70	528	55	524	53	529	56	19	536	59	28	542	61	92	527	58
4	621	69	612	64	109	609	59	73	604	62	601	56	605	60	21	612	63	36	618	66	65	602	61
3	706	75	697	70	114	696	64	79	688	69	687	65	692	62	30	699	68	47	704	72	29	688	63
2·5	752	78	742	73	98	743	66	63	734	71	733	68	739	65	31	745	71	52	750	74	25	734	65
2	801	80	792	77	84	793	68	67	783	73	782	70	790	68	38	795	72	67	799	75	35	785	66
1·5	851	82	842	81	74	846	70	77	835	76	834	71	842	71	67	847	73	82	851	77	55	838	70
1	905	82	897	84	74	903	74	66	889	78	890	73	899	72	92	903	73	102	908	73	74	892	72
0·5	963	85	953	88	77	962	79	65	946	82	949	77	958	75	77	962	75	92	967	78	...	951	76
Ground	1022	88	1011	91	75	1022	84	62	1005	85	1009	82	1019	79	85	1024	80	81	1027	77	96	1013	81

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction to the Observatories' Year Book, 1935

552 LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued* Degrees absolute per kiloleo 1936

Kiloleos									
25 to 26	...	...	...	...	...	...	...	...	...
24 to 25	...	...	...	...	0	...	...	...	...
23 to 24	...	...	...	...	−1	...	...	...	...
22 to 23	...	...	...	...	0	...	...	...	...
21 to 22	...	...	...	...	0	...	...	...	...
20 to 21	...	...	...	...	0	...	...	...	...
19 to 20	...	...	...	...	0	...	...	...	...
18 to 19	−1	...	...	...	1	...	...	−1	...
17 to 18	0	...	...	...	−1	...	...	1	...
16 to 17	0	...	...	...	2	−2	...	−2	...
15 to 16	−1	0	...	...	1	0	...	0	...
14 to 15	0	1	...	0	0	2	...	1	−4
13 to 14	−2	−1	...	−1	3	0	...	−2	−1
12 to 13	−1	0	...	0	1	−2	...	−2	1
11 to 12	3	−5	...	−1	1	−1	...	7	3
10 to 11	8	6	...	1	1	6	7	8	5
9 to 10	8	8	...	7	0	10	6	9	6
8 to 9	8	8	...	9	4	8	9	7	8
7 to 8	7	6	7	10	9	7	8	8	8
6 to 7	6	7	6	8	9	6	8	7	6
5 to 6	5	6	8	8	7	5	6	7	8
4 to 5	9	6	8	7	3	4	4	5	3
3 to 4	6	6	5	6	9	2	5	6	2
2·5 to 3	5	6	5	4	7	6	5	3	4
2 to 2·5	5	8	2	5	3	6	4	3	2
1·5 to 2	4	8	5	5	2	6	2	4	8
1 to 1·5	−1	6	9	5	4	2	−1	−7	5
0·5 to 1	7	7	9	8	9	6	4	9	8
Gd. to 0·5	6	7	9	6	8	8	11	−2	9