M.O. 390

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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.

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE
To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2;
26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff;
80 Chichester Street, Belfast;
or through any bookseller

1937

Price £2 2s. 0d. net

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 fourteenth 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.

*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.

TABLE OF CONTENTS.

ABERDEEN OBSERVATORY—*continued.*

ESKDALEMUIR OBSERVATORY.

METEOROLOGY.

ESKDALEMUIR OBSERVATORY—*continued.*

VALENTIA OBSERVATORY.

VALENTIA OBSERVATORY—*continued.*

KEW OBSERVATORY.

METEOROLOGY.

KEW OBSERVATORY—*continued.*

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

LIST OF ILLUSTRATIONS

	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 are included for the first time. A description and illustration of the instrument will be found in the Aberdeen Sectional Introduction. 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 anemographs. 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 ·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 $100 \times \dfrac{\textit{Speed by pressure tube anemometer}}{\textit{Speed by cup anemograph}}$

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 0h 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:—

---

* 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. :—

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

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 = $10^9/348·4$ 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

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

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/m³.

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. For the other observatories, it has come into effect as from 1st January, 1928. The effects of the introduction of the scheme on the tabulated values are briefly referred to in the several introductions to the individual sections. Only at Eskdalemuir are they at all appreciable.

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 $2\frac{1}{2}°$ 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.*	Beaufort Letters. Contracted Scale.
	Metres.			
(X)	—	Dense fog	8 f	F
A	25	Dense fog	7 f	F
B	50	Thick fog	6 f	F
C	100	Thick fog	5 f	F
D	200	Fog	4 f	f
E	500	Moderate fog	3 f	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	m_o or z_o	m_o or z_o
I	7,000	Moderate visibility	m_o or z_o	m_o or z_o
J	10,000	Good visibility		
K	20,000	Very good visibility		
L	30,000	Very good visibility		
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.	r	●	rain.
				←	ice crystals in the air.
c		cloudy, *i.e.*, detached opening clouds.	s	✱	snow.
o		overcast, *i.e.*, the whole sky covered with one impervious cloud.	rs	✱	sleet.
				+	drift snow.
g		gloomy.		⊠	snow lying. (More than half the surrounding country covered with snow.)
u		ugly, threatening.			
v	0	visibility, abnormal transparency of atmosphere.			
z		haze.*	h	▲	hail.
m		mist, light fog.*		△	soft hail.
f		fog.*	t	T	thunder.
fe		wet fog, *i.e.*, fog which deposits water copiously on exposed surfaces.	l	<	lightning.
			tlr		thunderstorm.
w		dew.			gale.
x	⊔	hoar frost.	q		squalls.
	V	rime.			solar corona.
		glazed frost.		⊕	solar halo.
e		water deposited copiously on exposed surfaces, without rain falling.			lunar corona.
					lunar halo.
y		dry air. (Relative humidity less than 60 per cent.)		⌒	rainbow.
					aurora.
p		passing showers.			zodiacal light.
d		drizzling rain.			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 anemometer (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 Correction for Non-cyclic change.

The non-cyclic change is the average increase from one midnight to the next. If, as in the case of barometric pressure, curves are read at each hour G.M.T. and tabulated under the headings 0h, 1h···23h, 24h, and the means for each of the hours in a calendar month are taken out, the mean for 0h, will not in general be the same as the mean for 24h. Let x_n be the mean value corresponding to hour n; then the non-cyclic change is represented by x_{24}—x_0. Let $\bar{x}$ be the mean value for the whole 24 hours. In the case under consideration the value of $\bar{x}$ is

$$\tfrac{1}{24}\left[\tfrac{1}{2}\left(x_0 + x_{24}\right) + x_1 + x_2 + \cdots + x_{23}\right]$$

$x_n - \bar{x}$ is the "diurnal inequality" at hour n. To apply a correction for non-cyclic change we assume that the non-cyclic change arises from a steady rise or fall, entering as a linear term. The correction applicable at hour n is therefore proportional to the time reckoned from 12h and takes the form:—

$$\frac{12 - n}{24}\left(x_{24} - x_0\right)$$

the corrected diurnal inequality having the value

$$x_n - \bar{x} + (12 - n)\left(x_{24} - x_0\right)/24.$$

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

In the present volume the hourly values refer either to readings at the exact hour or to means for periods of 60 minutes between exact hours, *i.e.*, centering at the half hours. In the latter class of tabulations, the first hour of the day runs from 0h to 1h and the n^{th} hour from $(n-1)$ h to nh. For the calculation of non-cyclic change we assume that the value of the variable at midnight is represented to a close enough approximation by the mean of the values tabulated for the hours preceding and following midnight, thus the mean value for the first midnight is $\frac{1}{2}(x_0 + x_1)$ and for the second midnight $\frac{1}{2}(x_{24} + x_{25})$, where x_0 represents the value for the hour preceding the first midnight and x_{25} represents the value for the hour following the second midnight. The value of the non-cyclic change is therefore $(x_{24} + x_{25} - x_0 - x_1)/2$. Remembering that the interval from noon to the middle of a tabular hour is, in this class of tabulation, an odd number of half hours, we get as the expression for the diurnal inequality at the n^{th} hour, corrected for non-cyclic change

$$d_n = x_n - \bar{x} + (25 - 2n)(x_{24} + x_{25} - x_0 - x_1)/96.$$

A correction in this form has been applied to the diurnal inequalities of terrestrial magnetism and atmospheric electricity printed in this volume.

It will be seen that the computation of the non-cyclic change (when derived from "all days"), requires a knowledge of the value for the first tabular hour in the following year. The values of wind velocity and terrestrial magnetism for the hour 0–1h on January 1st, 1936, have accordingly been appended to the appropriate tables.

M.O. 390
(Lerwick)

Air Ministry
METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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
1937

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 lacunae 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 latterly to auroral photography.

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 upward 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 $\frac{1}{4}$ mile (·4 km.) then slopes sharply down to the sea. In other directions there is a downward slope for about $\frac{1}{4}$ 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 $\frac{3}{4}$ 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 Stony 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 water-logged. Views of the station and a map of the surrounding country are shown in Figs. 1, 2 and 4 and the arrangement of buildings and situation of instruments are set out on a site plan in Fig. 3.

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

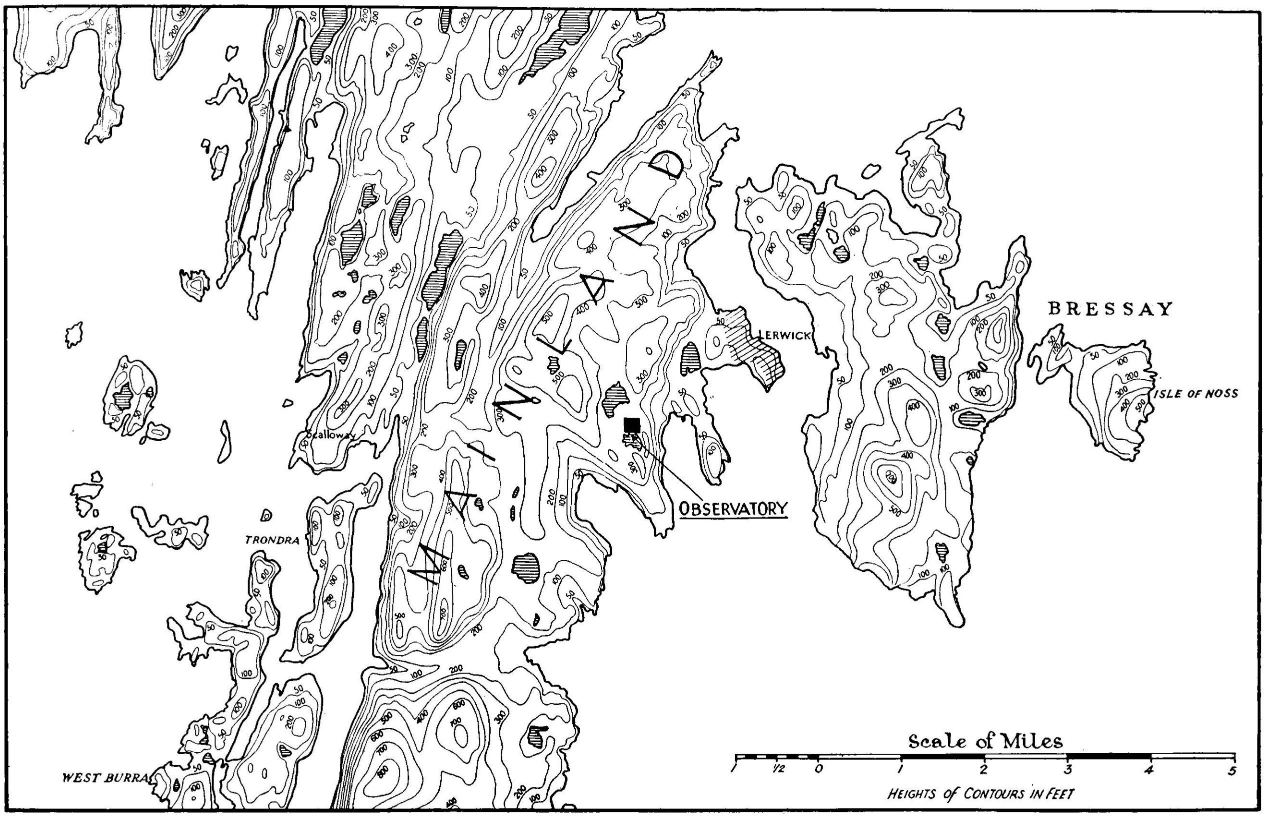


FIG. 1.—CONTOURED MAP OF SURROUNDINGS OF LERWICK OBSERVATORY.

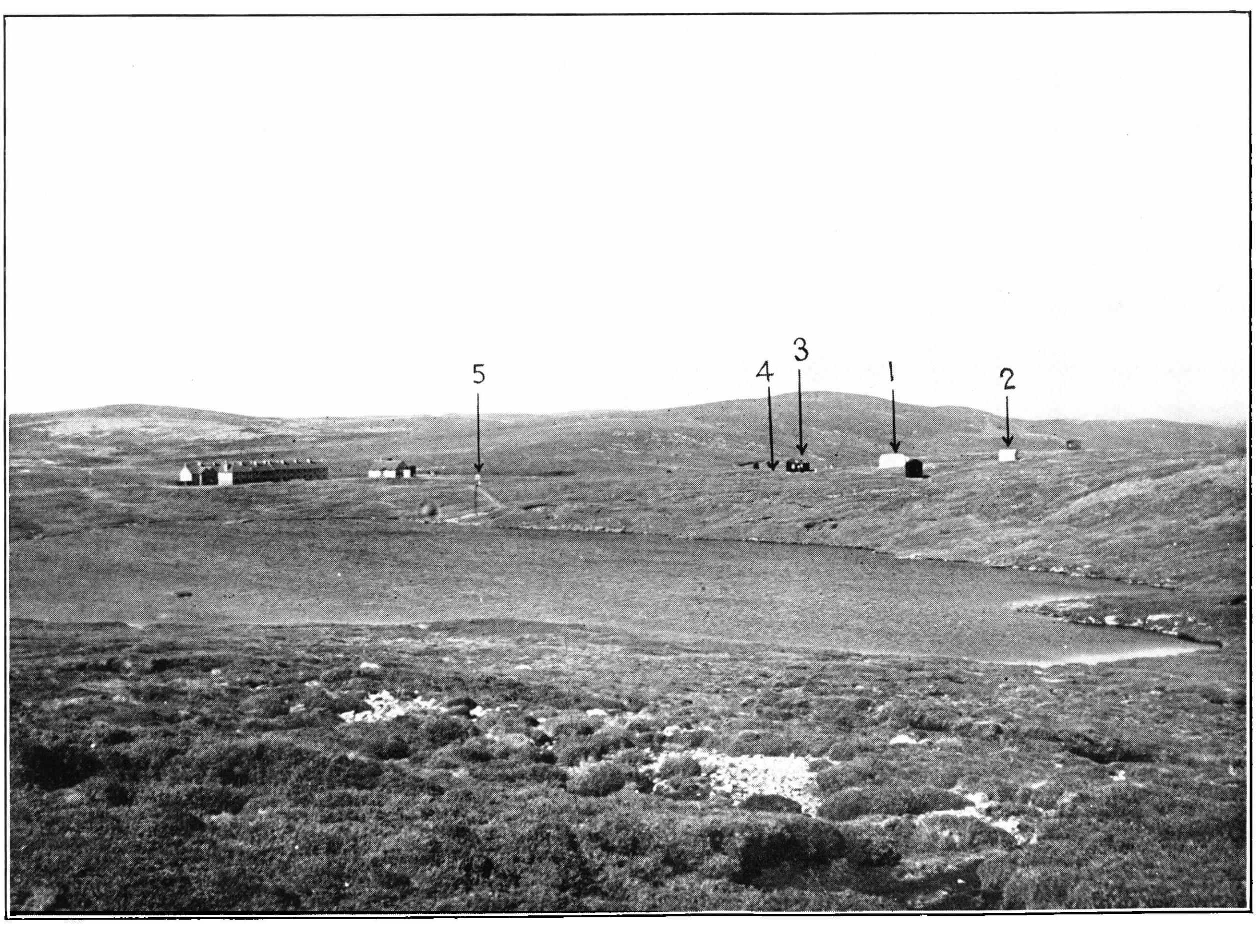


FIG. 2.—GENERAL VIEW OF OBSERVATORY FROM S.

To face p. 28

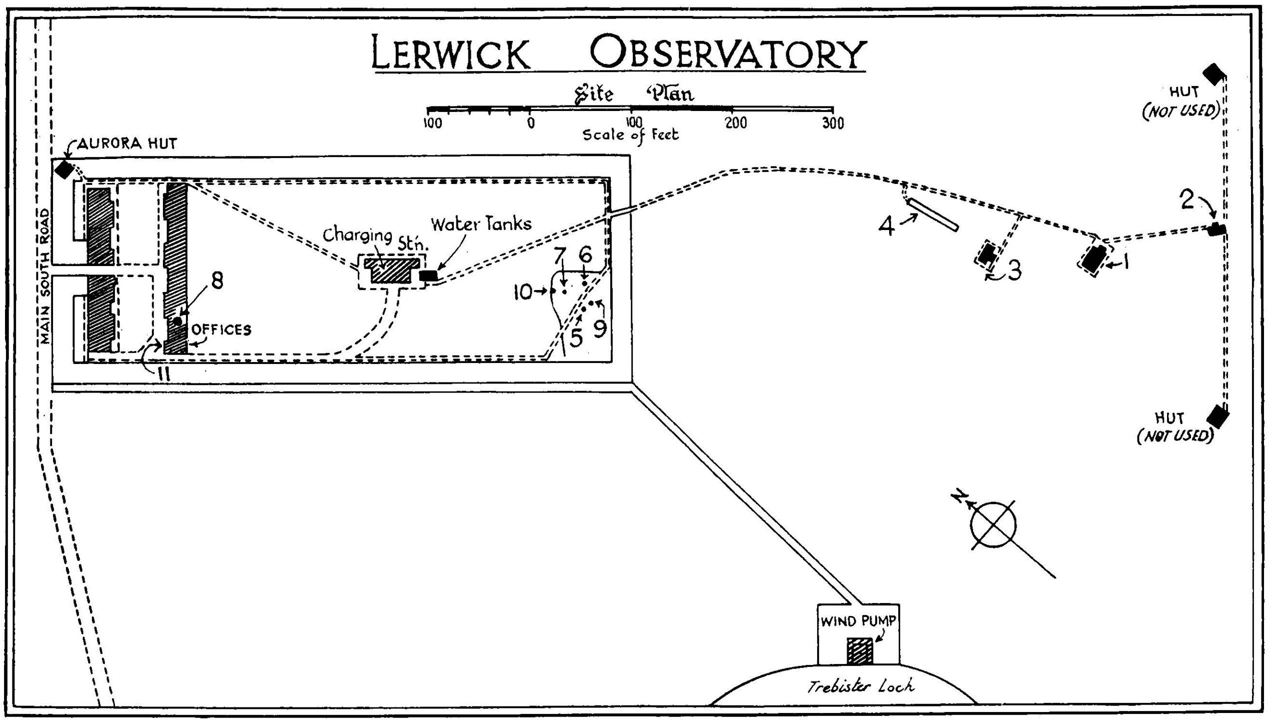


FIG. 3.—SITE PLAN.

FIG. 4.—VIEW FROM N.W. SHOWING INSTRUMENT ENCLOSURE, HUTS AND SITE FOR POTENTIAL GRADIENT OBSERVATIONS.

1.—MAGNETOGRAPH HOUSE.
2.—SUPPLEMENTARY MAGNETOGRAPH HUT.
3.—ABSOLUTE MAGNETIC HUT.
4.—SITE FOR ABSOLUTE POTENTIAL GRADIENT OBSERVATIONS.
5.—STEVENSON SCREEN.
6.—RAIN GAUGE.
7.—HYETOGRAPH.
8.—DINES PRESSURE TUBE ANEMOMETER.
9.—SUNSHINE RECORDER.
10.—THEODOLITE PILLAR.
11.—ELECTROGRAPH.

To face p. 29

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 Atmospherique 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 1935 being such that the instrument would lose half its potential in 46 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 (see site plan Fig. 3). 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 1935.

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	·016	·014	·013	·012	·016	·016	·016	·018	·017	·015	·015	·015
No. of days used in mean.	18	14	16	15	15	18	19	20	18	20	20	17	210
Highest $-\frac{d}{dt}\log_e V$	·021	·019	·022	·019	·017	·023	·029	·023	·023	·020	·021	·021	
Lowest $-\frac{d}{dt}\log_e V$	·013	·013	·010	·009	·009	·009	·011	·013	·014	·013	·007	·009	
Scale value (v/mm.)	24·2	24·2	23·9	24·0	24·2	24·5	24·0	24·1	24·2	24·0	24·1	24·0	24·1
Mean exposure factor	1·27	1·27	1·26	1·28	1·28	1·32	1·33	1·31	1·27	1·27	1·28	1·26	1·28
Applied Exposure Factor	1·27	1·27	1·27	1·27	1·29	1·31	1·32	1·31	1·28	1·27	1·27	1·26	
No. of Determinations of Exposure Factor	7	4	6	8	9	13	11	8	8	7	5	7	93

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., -

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

$$\text{and} \quad \frac{d(V_0 - V)}{dt} = K_c (V_0 - V)$$

where K_1 measures the rate of leak,
K_c " " charging,
and V_0 is the potential of the air near the collector,

then the potential finally acquired by the instrument is $V_0 K_c/(K_1 + K_c)$.

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, resulting from the higher potential of the collector when shielded from the wind, would be in agreement with R.A. Watson's conclusion that potential gradient is inversely dependent upon wind speed. (Geophysical Memoir No. 38).

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 1935.

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 1935 there were 46·5 hours more negative potential gradient than in 1934, and three fewer days on which negative gradients occurred. The daily mean duration of negative gradient was thus 1·80 hours, against 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 the general "a" mean from the four selected hours exceeds the "b" mean, the difference over the year as a whole amounting to 23 v/m. In seven months the means from the Oa days are greater than the "a" means; over the year as a whole the Oa day mean is 6 v/m greater than the "a" mean. The annual mean daily values derived in these three ways for the nine years 1927-1935 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

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 1935 there were 99 days on which the electrometer needle went beyond the limits of registration on the positive side and 151 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. August 19d 23h.

Negative. March 31d 1h; April 22d 3h and 23d 7h; May 5d 18h; Nov. 15d 13h and 24d 3h.

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

(1) March 30d 22h 45m to 31d 8h 35m. Negative for all but 3 mins. Mean gradient < -685 v/m. Continuous moderate rain.

(2) Apr. 23d 2h 25m to 13h 40m. Negative for all but 20 mins. Mean gradient < -668 v/m. Continuous slight rain.

(3) May 15d 4h 15m to 9h 57m. Negative throughout. Mean gradient < -658 v/m. Continuous slight rain.

(4) August 25d 23h 45m to 26d 7h 45m. Negative for all but 6 mins. Mean gradient < -783 v/m. Continuous moderate rain.

(5) Oct. 1d 6h 45m to 14h 15m. Negative for all but 7 mins. Mean gradient < -637 v/m. Continuous slight rain.

(6) Oct. 5d 6h 0m to 15h 5m. Negative throughout. Mean gradient < -510 v/m. Continuous moderate rain.

(7) Nov. 23d 22h 0m to 24d 5h 30m. Negative for all but 4 mins. Mean gradient < -719 v/m. Continuous slight rain.

Notable spells of high potential were:-

(1)	June	22d	14h to 21h.	Mean	Gradient	579 v/m.	moderate	fog.
(2)	June	24d	14h to 24h.	"	"	570 v/m.	"	"
(3)	"	25d	9h to 24h.	"	"	647 v/m.	thick	"
(4)	"	29d	16h to 30d 3h.	"	"	541 v/m.	slight	"
(5)	July	2d	5h to 12h.	"	"	665 v/m.	moderate	"
(6)	"	13d	7h to 17h.	"	"	592 v/m.	thick	"

There were 75 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 1935 has a minimum at 3-4h and a maximum at 16h. 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 under reduced pressure. 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 $4{\cdot}2\ \gamma$/mm for H and $5{\cdot}8\ \gamma$/mm for V. The scale value of D depends only on the geometry of the system, with a small correction for torsion, and is $0'{\cdot}95$/mm.

The H and V variometers are capable of accurate compensation for temperature, but neither was completely compensated during 1935, the adjustment of the V instrument, which was correct in 1934, having been upset during other alterations at the end of that year. Allowance is made in the base values for the small residual temperature coefficients. Apart from this, base values of all three records have been very steady.

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° 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 1935. An accident caused some change to the magnet in March 1923, and values for earlier months have been discarded.

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

The values of P and Q and of $\log_{10}(1 + P/25^2 + Q/25^4)$ for 1934 were the largest of the thirteen year series. The collimator magnet was dropped on June 11th of that year, and the lens was cracked, but this was not the cause of the abnormal values of P and Q, since it has been found that the abnormality lies in the observations made earlier, those made after the accident giving values much closer to the means of the preceding years.

During 1935 a small error was found in one of the constants used in computing Q for every year except 1929. The correction of this error increases the numerical value of Q by 16·0 and reduces $\log_{10}(1 + P/25^2 + Q/25^4)$ by ·000018; the effect on H and V would be a reduction of 0·3γ and 0·9γ respectively for all years up to the end of 1934. The figures in the table above have been corrected.

The mean value of $\log_{10}(1 + P/25^2 + Q/25^4)$ employed in the reduction of all observations for 1935 was the mean of the values derived up to the end of 1934, namely, $\bar{1}\cdot99866$. If the 1935 value is added and the correction referred to in the last paragraph applied to all, the mean for the total available period becomes $\bar{1}\cdot99865$. The adoption of this latter value would reduce all the hourly values, monthly means, etc., as given in the tables by $0\cdot2\gamma$ in the case of H and $0\cdot5\gamma$ in the case of V.

In the latter part of December 1934 and during part of the year 1935 observations were made with Circle No. 120, and needles Nos. 239/1, 2, 3 and 4.

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. Comparative series of observations showed that the Greenwich inductor (with the recommended correction of +10.7" added) led to values of V slightly different from those given by the mean of the dip needles, and in July 1935 it was decided to adopt the standard given by the inductor and to determine base line values of V for the earlier part of 1935 by applying a constant correction to the values derived from the dip circle.

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 1935 and for the year as a whole was as follows:-

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
0·42	0·49	0·30	0·27	0·45	0·35	0·34	0·28	0·29	0·42	0·27	0·33	0·35

There were 19 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 of collimator magnet 3951A are also given. It should be noted that the values obtained are affected to an appreciable extent by changes of H between the vibration and deflection experiments. 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. 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.

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

Lerwick 1935

	Declination		Inclination			Horizontal Force			Base line values (deduced and adopted)		
Date	Mean Time	D	Mean Time	Instrument†	I	Mean Time	H	m	H	D	V
	h. m.	° ′ ″	h. m.		° ′	h. m.	γ		14,000γ+	° ′ ′	46,000γ+
Jan. 1	-	-	12 37	3,4	72 49·5	11 34	14,447	1047·9	392 (392)	-	586 (603)
4	11 52	13 16 18	10 41	1,2	50·3	12 28	444	7·9	393 (394)	12 57·5 (57·5)	605 (605)
8	-	-	-	-	-	12 16	458	7·8	390 (386)	- -	- -
9	14 29	17 15	11 57	1,2	49·0	-	-	-	- -	58·1 (57·3)	580 (594)
11	12 31	18 28	12 5	3,4	48·9	13 1	444	7·8	408 (416)	57·4 (57·3)	533 (536)
16	12 33	17 39	11 56	1,2	49·7	13 1	451	7·9	387 (385)	57·5 (57·4)	501 (510)
18	10 57	16 45	10 30	1,2	50·1	12 9	438	7·4	385 (388)	57·6 (57·5)	513 (512)
22	14 39	17 17	-	-	-	12 33	444	7·9	389 (391)	58·1 (57·5)	- -
23	-	-	12 6	3,4	49·7	-	-	-	- -	- -	500 (513)
25	10 33	16 37	10 5	3,4	49·3	12 53	440	7·7	387 (390)	58·0 (57·5)	501 (510)
29	11 13	15 9	-	-	-	12 3	444	7·7	386 (378)	57·0 (57·5)	- -
30	12 55	22 7	12 24	1,2	50·9	-	-	-	- -	57·6 (57·5)	473 (496)
Feb. 1	11 47	23 42	-	-	-	12 24	428	7·4	379 (379)	57·7 (57·4)	- -
2	11 53	18 20	12 30	3,4	50·4	-	-	-	- -	57·4 (57·4)	473 (494)
5	11 32	15 47	-	-	-	12 33	444	8·3	372 (373)	57·5 (57·4)	- -
6	-	-	11 53	3,4	50·1	-	-	-	- -	- -	487 (488)
8	12 29	18 14	12 2	1,2	50·0	10 45	440	7·7	376 (374)	57·6 (57·4)	486 (489)
15	12 58	16 18	14 54	3,4	49·7	12 21	441	8·4	385 (381)	57·4 (57·4)	475 (492)
19	11 5	15 49	-	-	-	11 54	439	7·8	386 (386)	57·2 (57·4)	- -
20	14 41	21 15	12 30	1,2	49·1	-	-	-	- -	57·6 (57·4)	483 (495)
22	11 37	14 29	12 15	3,4	49·7	10 31	428	8·2	386 (388)	57·4 (57·4)	476 (496)
26	11 53	19 6	-	-	-	12 31	425	8·4	378 (373)	57·1 (57·4)	- -
27	11 44	15 57	12 18	1,4	50·3	-	-	-	- -	57·4 (57·4)	473 (483)
Mar. 1	11 39	21 12	12 16	1,4	52·1	10 41	428	8·2	375 (378)	57·9 (57·5)	474 (485)
5	11 35	16 32	-	-	-	12 21	433	7·9	380 (383)	57·2 (57·5)	- -
6	-	-	11 45	1,4	50·5	-	-	-	- -	- -	491 (489)
8	11 50	15 32	12 23	1,3	49·8	11 1	431	8·2	385 (387)	57·3 (57·5)	484 (490)
12	10 56	14 48	-	-	-	11 50	442	8·3	391 (390)	57·2 (57·5)	- -
13	-	-	12 13	1,3	51·8	-	-	-	- -	- -	481 (492)
15	-	-	12 14	1,3	51·0	10 13	428	8·3	394 (391)	- -	490 (492)
19	11 21	16 23	-	-	-	12 7	431	8·4	388 (385)	57·6 (57·5)	- -
20	10 52	14 13	11 26	3,4	50·1	-	-	-	- -	57·4 (57·5)	473 (488)
22	12 14	16 26	11 45	1,4	50·5	10 28	430	7·9	393 (393)	57·4 (57·5)	475 (491)
26	12 9	16 24	-	-	-	13 40	449	8·8	393 (397)	57·5 (57·5)	- -
27	10 52	13 31	10 23	1,3	49·8	-	-	-	- -	57·3 (57·5)	469 (494)
29	10 53	15 11	12 6	1,3	50·2	10 15	434	8·5	393 (392)	57·6 (57·5)	473 (491)
Apr. 2	10 15	9 20	-	-	-	11 0	417	8·3	394 (389)	57·4 (57·5)	- -
3	11 16	15 17	11 47	3,4	50·5	-	-	-	- -	57·7 (57·5)	475 (489)
5	12 27	17 3	12 0	1,4	51·2	10 23	418	8·3	389 (383)	57·5 (57·5)	487 (483)
9	11 59	20 32	-	-	-	12 37	427	7·9	385 (384)	57·6 (57·6)	- -
12	12 29	20 30	11 59	1,4	51·7	10 47	397	7·8	390 (388)	58·0 (57·7)	449 (486)
16	10 47	12 19	-	-	-	11 27	418	8·0	390 (388)	57·6 (57·8)	- -
17	14 53	18 25	14 27	1,3	49·6	-	-	-	- -	58·0 (57·8)	467 (486)
19	10 47	11 23	8 36	1,3	50·3	11 23	429	7·7	399 (392)	57·9 (57·8)	473 (489)
23	10 31	14 38	-	-	-	11 13	410	7·7	394 (397)	57·9 (57·9)	- -
24	11 3	12 55	11 29	1,3	50·9	-	-	-	- -	58·2 (57·8)	479 (492)
26	10 39	11 39	8 32	1,3	49·6	11 11	422	8·4	398 (398)	57·4 (57·8)	478 (492)
30	10 3	13 55	-	-	-	10 57	433	8·2	403 (402)	57·5 (57·7)	- -
May 2	-	-	10 59	1,4	50·2	-	-	-	- -	- -	507 (496)
3	10 36	13 9	8 39	3,4	50·0	11 12	436	8·2	401 (402)	57·5 (57·7)	501 (496)
7	10 51	11 35	-	-	-	11 29	436	8·3	405 (407)	57·6 (57·6)	- -
8	8 9	4 54	10 18	3,4	51·6	-	-	-	- -	56·7 (57·6)	511 (499)
10	10 52	11 7	8 35	1,3	49·4	11 25	440	8·2	410 (409)	57·7 (57·6)	533 (501)
14	14 9	15 47	-	-	-	14 45	457	8·4	398 (400)	56·9 (56·9)	- -
16	14 3	21 48	8 24	1,3	51·7	-	-	-	- -	57·6 (56·8)	502 (491)
17	10 33	10 52	-	-	-	11 14	429	8·3	393 (392)	56·6 (56·8)	- -
21	10 34	8 41	-	-	-	11 6	408	7·9	394 (396)	57·0 (56·8)	- -
22	8 3	6 34	8 37	1,3	49·9	-	-	-	- -	56·5 (56·8)	473 (493)
24	10 43	14 15	8 39	1,3	50·2	11 15	432	8·1	402 (402)	57·1 (56·8)	505 (496)
28	10 39	9 39	-	-	-	11 8	445	7·9	406 (406)	56·2 (56·8)	- -
29	11 51	17 47	11 23	1,3	50·9	-	-	-	- -	57·2 (56·8)	527 (500)
31	11 15	13 48	10 49	3,4	51·2	11 43	427	7·9	408 (408)	56·7 (56·8)	501 (500)

† In this column 1, 2, 3, 4 refer to dip needles 239/1, 2, 3 & 4 used with Dover Circle No. 120. Ind. means that the observation was made with the Inductor lent by the Astronomer Royal, a correction of + 11" having been applied to the observed values of dip.

ABSOLUTE DETERMINATIONS - (Continued)

Date	Declination Mean Time	Declination D	Inclination Mean Time	Inclination Instrument	Inclination I	Horizontal Force Mean Time	Horizontal Force H	Horizontal Force m	Base line values (deduced and adopted) H	Base line values (deduced and adopted) D	Base line values (deduced and adopted) V
	h. m.	° ′ ″	h.m.		° ′	h.m.	γ		14,000γ+	° ′ ′	46,000γ+
June 4	10 53	13 14 40	-	-	72 -	11 25	14,437	1048·2	408 (406)	12 57·7 (57·0)	- -
7	10 50	12 52	13 31	3,4	50·1	11 27	434	8·5	408 (405)	57·0 (57·0)	505 (500)
7			18 49	Ind.	45·2						495 (500)
11	10 11	10 49	11 33	Ind.	50·7	10 51	427	7·8	405 (407)	56·6 (57·0)	498 (500)
14	10 53	11 26	13 53	1,3	49·7	11 29	446	7·8	411 (411)	56·7 (57·0)	535 (505)
18	10 33	7 7	8 49	Ind.	52·2	11 11	410	8·5	379 (375)	56·7 (56·9)	476 (488)
21	10 53	9 3	13 34	3,4	50·3	11 25	408	7·8	374 (375)	56·8 (56·9)	486 (486)
25	13 25	16 27	11 23	Ind.	51·5	14 9	450	7·8	384 (383)	56·6 (56·9)	492 (492)
28	11 7	12 35	14 49	Ind.	49·4	11 36	431	7·8	390 (387)	56·9 (56·9)	496 (497)
July 2	10 45	10 57	-	-	-	11 19	424	7·4	387 (390)	57·0 (56·9)	- -
3	15 9	14 31	14 21	Ind.	48·7	-	-	-	- -	56·8 (56·9)	500 (501)
5	10 47	8 27	-	-	-	11 19	418	7·9	391 (386)	56·7 (56·9)	- -
6	11 33	10 5	11 5	Ind.	50·8	-	-	-	- -	56·6 (56·9)	79 (88)
9	10 54	11 47	9 41	"	50·9	11 22	436	8·1	391 (386)	57·9 (57·6)	94 (90)
12	10 53	10 59	13 44	"	49·3	11 28	437	7·8	399 (392)	57·6 (57·6)	68 (78)
16	11 7	11 35	8 47	"	51·2	11 37	429	7·5	391 (392)	57·3 (57·6)	89 (86)
19	13 39	20 33	15 16	"	46·9	14 12	483	7·6	392 (391)	57·9 (57·6)	88 (90)
23	13 25	16 26	14 47	"	49·4	13 58	442	8·2	384 (383)	57·7 (57·6)	653 (658)
26	10 45	7 35	13 35	"	50·2	11 21	439	7·7	389 (384)	57·5 (57·6)	658 (658)
30	10 56	8 23	14 5	"	49·5	11 47	421	8·2	380 (381)	57·6 (57·7)	650 (653)
Aug. 2	13 33	15 52	9 41	"	52·7	14 9	446	8·3	386 (384)	57·9 (57·8)	652 (657)
6	10 57	11 31	-	-	-	11 27	420	7·4	382 (386)	57·7 (57·8)	- -
9	10 49	10 21	14 12	"	49·8	11 23	428	8·0	386 (388)	57·9 (57·8)	670 (665)
13	14 11	16 46	15 54	"	49·7	14 49	446	8·2	385 (384)	58·2 (57·7)	668 (663)
16	13 21	14 37	14 39	"	48·2	13 55	457	8·1	384 (385)	57·4 (57·6)	667 (664)
21	13 47	15 33	15 5	"	49·1	14 23	444	7·5	386 (391)	57·3 (57·5)	675 (677)
23	13 42	13 10	-	-	-	14 13	443	7·8	391 (392)	57·7 (57·5)	- -
27	13 59	11 56	15 19	"	48·9	14 35	468	8·9	388 (389)	57·4 (57·6)	672 (674)
30	10 56	9 57	10 3	"	52·0	11 32	414	7·8	384 (387)	57·8 (57·7)	668 (671)
Sept. 3	14 9	17 7	15 20	"	49·5	14 39	453	8·3	385 (387)	57·6 (57·8)	672 (672)
6	11 7	14 1	10 47	"	52·4	11 36	416	7·7	383 (383)	58·0 (57·8)	654 (661)
10	13 33	14 39	14 45	"	49·3	14 5	446	7·6	378 (378)	57·6 (57·8)	648 (647)
13	10 45	6 40	13 33	"	50·6	11 19	419	7·7	381 (380)	57·6 (57·9)	652 (651)
18	13 17	14 22	14 37	"	50·7	13 53	459	9·6	378 (382)	57·7 (57·9)	664 (659)
20	11 4	10 7	10 45	"	51·7	11 33	419	8·2	378 (380)	57·8 (57·9)	660 (655)
24	13 21	12 45	14 59	"	49·7	14 3	442	7·7	376 (376)	58·4 (57·9)	641 (646)
27	11 5	14 5	10 45	"	53·1	11 35	415	8·0	374 (373)	58·0 (57·9)	642 (641)
Oct. 1	13 29	12 17	14 47	"	50·7	14 0	428	8·0	377 (377)	58·0 (57·8)	646 (644)
4	11 7	5 49	10 49	"	51·5	11 31	414	7·9	373 (376)	57·5 (57·8)	640 (644)
8	10 51	7 51	14 45	"	50·8	11 19	412	7·6	368 (373)	57·7 (57·7)	650 (643)
11	12 9	9 51	12 41	"	50·3	14 51	452	7·5	369 (369)	58·5 (57·7)	650 (639)
15	14 47	13 31	12 55	"	53·5	15 32	433	6·5	369 (371)	58·2 (57·6)	639 (639)
18	-	-	11 47	"	52·4	12 31	428	8·0	371 (369)	- -	649 (640)
22	11 18	7 14	14 30	"	51·2	11 47	413	8·5	360 (360)	57·1 (57·6)	632 (630)
25	10 19	3 52	9 57	"	53·2	15 19	433	8·3	365 (364)	57·2 (57·5)	625 (628)
Nov. 1	10 57	7 55	12 40	"	51·0	11 53	428	8·1	363 (361)	57·4 (57·5)	620 (628)
5	11 27	8 7	12 43	"	51·5	11 59	430	8·1	368 (367)	58·1 (57·5)	628 (635)
8	11 43	8 5	12 59	"	51·8	12 12	415	7·9	363 (367)	57·6 (57·5)	638 (634)
12	10 43	7 23	14 27	"	49·9	12 7	396	8·6	363 (368)	57·4 (57·5)	645 (636)
15	11 39	5 47	15 1	"	51·1	12 10	412	8·2	364 (364)	57·3 (57·5)	634 (634)
19	11 41	10 23	12 53	"	52·3	12 8	409	7·6	362 (363)	57·4 (57·5)	624 (633)
22	10 28	5 42	10 9	"	51·0	11 54	426	7·6	364 (365)	57·3 (57·5)	630 (634)
26	11 55	5 43	10 47	"	51·0	12 25	433	8·0	361 (362)	57·5 (57·5)	628 (631)
29	12 1	6 1	10 52	"	49·9	12 27	447	8·1	362 (359)	57·6 (57·7)	601 (629)
Dec. 3	12 11	6 31	14 35	"	50·8	12 37	431	8·1	355 (355)	58·0 (57·7)	620 (622)
6	11 53	8 9	-	-	-	12 23	431	7·9	355 (353)	57·3 (57·7)	- -
7	9 45	3 19	10 39	"	51·3	-	-	-	- -	57·7 (57·7)	625 (622)
10	11 47	5 48	10 31	"	50·9	12 15	429	8·4	357 (353)	57·5 (57·7)	621 (622)
13	11 41	8 55	10 55	"	51·7	12 15	421	8·3	355 (353)	57·5 (57·7)	623 (622)
17	11 55	6 ·3	11 0	"	52·6	12 32	416	7·9	356 (355)	57·7 (57·8)	623 (621)
20	10 52	5 54	-	-	-	12 0	436	8·2	351 (351)	57·5 (57·8)	- -
21	10 49	3 59	11 49	"	50·8	-	-	-	- -	57·6 (57·8)	624 (619)
24	12 2	3 47	14 34	"	50·7	12 33	442	8·1	349 (349)	57·5 (57·8)	617 (617)
30	10 41	5 12	15 17	"	51·1	11 59	425	8·0	357 (359)	58·5 (57·9)	625 (625)

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, and have been supplemented whenever possible by photographs taken with the Krogness camera. 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 1935 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", prefixed 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 the non-cyclic change has been eliminated on the assumption that its time rate is linear. The values of the range of the mean diurnal inequalities of the several elements in the three categories of days are brought together in Table 62, and the values of the non-cyclic change are given in Table 64. 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, 1935.-The mean values of the magnetic elements for the years 1934 and 1935 are given in Table 1. 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 1.

Year	H	D (West)	I	N	W	V	T
	γ	° ′	° ′	γ	γ	γ	γ
1934	14463	13 21·9	72 48·4	14071	3343	46744	48930
1935	14446	13 9·5	72 49·9	14067	3289	46758	48939

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

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Annual rate of decrease of W declination on Jan. 1st.	′ 13·8	′ 13·0	′ 14·9	′ 12·9	′ 12·8	′ 13·7	′ 12·4	′ 11·6	′ 13·6	′ 12·1	′ 12·1	′ 12·4

In comparing the values of I, V and T for the two years in Table I with those given in the corresponding table for earlier years 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, 14449γ; D, 13° 9′.6; V, 46759 (b) H, 14441; D, 13° 9′·3; V, 46756.

The extreme values of H, D and V recorded during 1935 are given in Table II.

TABLE II

Element	Maximum		Minimum		Absolute Annual Range
	Value	Date 1935	Value	Date 1935	
		d h m		d h m	
Horizontal Force	14784 γ	Oct.24 14 48	13709 γ	Jun. 7 22 10	1075γ
Declination	14° 5′·5	Jun.18 19 38	12° 13′·3	Jun. 8 2 30	1° 52′·2
Vertical Force	47032 γ	Oct.27 19 35	46353	Jun. 7 22 31	679 γ

The range of 1° 52·2 in declination is equivalent to a range of 471γ in the component of force perpendicular to the magnetic meridian. In the year 1934 larger ranges were recorded in H, and V.

Magnetic character of the year.- The following table shows the mean 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
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
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

In these thirteen 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. 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 magnetic conditions for individual months of the year 1935 are set out, together with their sunspot numbers.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Sunspot number	18·9	20·5	23·1	12·2	27·3	45·7	33·9	30·1	42·1	53·2	64·2	61·5
Mean absolute daily range of D	19′4	20′4	23′4	17′0	18′0	23′0	17′1	16′1	25′1	24′5	19′5	20′8
Mean $\frac{HR_H + VR_V}{10.000}$	454	628	598	533	491	736	483	347	901	742	427	433

In addition to summarising 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 index of disturbance $(HR_H + VR_V.)10^{-4}$ are given for each month of 1935 and annual means from 1930. September and October were the most disturbed and November and August the quietest months of 1935. As a whole 1935 was more disturbed than either of the two preceding years but this was due to a decrease in the number of really quiet days, not to an increased frequency of days of large disturbance.

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	Number of "1" days	Number of "2" days	Lerwick	International	All days	Q days	D days
January	10	20	1	·71	·69	454	149	1218
February	6	20	2	·86	·72	628	145	1920
March	6	24	1	·84	·73	598	205	1363
April	8	20	2	·80	·55	533	145	1685
May	9	20	2	·77	·51	491	185	1508
June	8	19	3	·83	·68	736	211	2414
July	12	18	1	·65	·56	483	229	1304
August	11	20	0	·65	·51	347	187	550
September	6	19	5	·97	·86	901	216	2169
October	4	24	3	·97	·86	742	194	1657
November	14	16	0	·53	·65	427	129	1045
December	6	25	0	·81	·73	433	106	956
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 1935 the ratios of the annual mean ranges of H, D and V at Lerwick to those at Eskdalemuir are 1·5, 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; the greatest variation from year to year appears in the case of the vertical component; scarcely any variation appears in the ratio of the W or D component and a slight variation in the case of the H or N component.

TABLE IV.-ABSOLUTE DAILY RANGE. MEAN MONTHLY VALUES.

	Mean Absolute Daily Range 1935			Mean Daily Range expressed as Percentage of Yearly Mean 1935		
Month	H	D	V	H	D	V
	γ	γ	γ	%	%	%
January	73	81	75	77	95	82
February	85	86	108	90	101	119
March	82	98	103	86	115	113
April	101	71	83	106	84	91
May	97	76	75	102	89	82
June	155	97	109	163	114	120
July	93	72	75	98	85	82
August	70	68	53	74	80	58
September	152	105	146	160	124	160
October	118	103	123	124	121	135
November	57	82	74	60	96	81
December	61	87	74	64	102	81
Winter	69	84	83	73	99	91
Equinox	113	94	114	119	111	125
Summer	104	78	78	109	92	86
Year	95	85	91	-	-	-

The frequency distribution of absolute daily ranges recorded in 1935 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 again 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 for H and D, and 20-29γ for V, that is, at much the same points as at Eskdalemuir, though V has many more ranges in excess of 200γ than have H and D.

TABLE V.- FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE.

	Number of Cases, 1935			Percentage Distribution		
	H	D	V	H	D	V
0- 9	0	0	2	0·0	0·0	0·5
10- 19	5	1	28	1·4	0·3	7·7
20- 29	17	5	63	4·7	1·4	17·3
30- 39	34	17	41	9·3	4·7	11·2
40- 49	39	44	31	10·7	12·1	8·5
50- 59	52	47	23	14·2	12·9	6·3
60- 69	58	60	23	15·9	16·4	6·3
70- 79	43	37	24	11·8	10·1	6·6
80- 89	22	30	13	6·0	8·2	3·6
90- 99	18	22	11	4·9	6·0	3·0
100- 109	15	21	11	4·1	5·8	3·0
110- 119	5	14	9	1·4	3·8	2·5
120- 129	5	16	6	1·4	4·4	1·6
130- 139	5	13	15	1·4	3·6	4·1
140- 149	5	10	7	1·4	2·7	1·9
150- 159	1	4	3	0·3	1·1	0·8
160- 169	2	3	2	0·5	0·8	0·5
170- 179	5	2	1	1·4	0·5	0·3
180- 189	0	1	3	0·0	0·3	0·8
190- 199	1	3	4	0·3	0·8	1·1
200+	33	15	45	9·0	4·1	12·3
Days omitted	0	0	0	-	-	-

TABLE VI.- PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT LERWICK, 1935.

Where the beginning of a disturbance has been marked by a "sudden commencement", the serial number is followed by an asterick (*), 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, 13°; 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.	16 20	Jan. 19 2	491	17 22 24	260	17 2 0	231	25·7	17 8 40	-11·1	17 22 19	36·8	820	17 16 2	539	17 2 24	281
2*	Jan.	27 14 50	Jan. 29 2	541	27 19 50	66	28 0 55	475	25·8	27 18 25	-19·5	27 22 19	45·3	879	27 19 45	579	28 2 21	300
3	Feb.	1 8	Feb. 2 20	622	2 19 8	273	2 0 57	349	34·4	1 16 29 2 18 8	-20·3	2 0 44	54·7	951	1 18 21	499	2 4 18	452
4	Feb.	13 0	Feb. 15 22	505	13 20 34	0	13 22 55	505	33·8	13 20 9	-29·2	13 22 57	63·0	834	13 15 53	400	13 23 5	434
5	Mar.	12 23	Mar. 18 4	689	14 16 21	312	15 1 40	377	36·1	14 13 39	-23·5	14 17 11	59·6	958	14 15 53	545	15 1 44	413
6	Mar.	20 12	Mar. 22 4	545	21 15 50	334	22 1 53	211	26·8	21 14 56	-10·1	21 17 58	36·9	886	21 17 35	656	22 1 53	230
7	Apr.	8 22	Apr. 13 24	613	10 18 15	122	10 22 14	491	33·9	10 15 14	-15·5	11 22 33	49·4	887	10 18 25	556	11 1 22 11 22 17	331
8	May	1 13	May 2 5	539	1 15 55	80	1 23 0	459	26·4	1 15 12	-33·3	1 23 24	59·7	839	1 17 7	442	1 23 59	397
9	May	10 11	May 12 8	562	10 17 26	371	11 1 12	191	25·1	10 17 35	- 6·2	11 0 57	31·3	840	10 20 41	642	12 2 0	198
10	May	18 12	May 22 4	502	20 15 12 21 19 4	327	20 7 27	175	31·4	20 3 37	- 8·1	19 0 3	39·5	809	20 15 24	536	20 4 0	273
11	June	7 12	June 11 24	617	9 15 55	-291	7 22 10	908	35·0	7 22 6	-46·7	8 2 30	81·7	892	10 15 35	353	7 22 31	539
12	June	17 16	June 20 24	701	18 15 40	200	18 19 39	501	65·5	18 19 38	- 9·2	18 4 33	74·7	940	18 15 36	565	18 19 35	375
13*	July	24 20 35	July 26 4	515	24 20 39	152	25 1 23	363	21·4	25 8 1	-11·1	25 1 36	32·5	824	25 16 25	394	25 1 22	430
14	Sept.	9 19	Sept. 12 8	737	11 18 1	- 27	12 0 31	764	29·8	12 5 12	-33·1	12 3 16	62·9	939	11 18 0	438	12 3 9	501
15	Sept.	15 8	Sept. 19 8	510	17 14 34	279	17 1 21	231	20·6	17 14 41	-13·0	17 2 24	33·6	900	18 14 22	611	17 1 32	289
16	Sept.	23 6	Sept. 26 16	634	23 15 29	89	23 22 40	545	31·3	23 15 36	-23·1	24 0 35	54·4	967	23 18 29	573	23 22 37	394
17	Sept.	30 8	Oct. 2 24	508	30 15 24	242	30 23 24	266	21·6	30 14 28	-13·4	30 22 16	35·0	897	30 16 20	541	30 23 25	356
18	Oct.	10 13	Oct. 12 4	516	11 18 25	372	12 0 46	144	19·8	11 16 27	-16·0	10 17 59	35·8	876	11 17 23	666	12 1 25	210
19	Oct.	20 9	Oct. 21 24	585	20 14 54	257	20 21 7	328	28·9	20 13 17	-37·4	21 18 14	66·3	950	20 14 49	557	21 23 6	393
20*	Oct.	24 6 39	Oct. 26 1	784	24 14 48	281	25 22 56	503	31·1	24 15 35	-24·3	25 23 20	55·4	954	24 14 46	642	25 22 47	312
21*	Oct.	27 3 46	Oct. 31 24	697	27 19 6	231	27 21 47	466	33·6	27 19 18	-25·0	27 22 4	58·6	1032	27 19 35	685	28 1 13	347
22	Nov.	5 2	Nov. 6 14	492	5 22 31	346	5 23 24	146	15·5	6 3 22	-23·8	5 18 36	39·3	876	5 17 54	634	5 23 20	242
23	Nov.	11 19	Nov. 14 24	533	12 16 56	361	13 0 19	172	20·9	12 14 59	-27·3	12 23 52	48·2	972	12 16 18	664	13 0 7	308
24	Dec.	14 14	Dec. 16 24	549	14 18 39	365	15 2 20	184	18·6	15 7 0	-30·4	14 22 43	49·0	972	14 18 34	678	15 2 0	294
25*	Dec.	24 19 34	Dec. 29 2	491	28 1 27	351	28 1 52	140	21·6	26 15 31	-15·6	28 2 27	37·2	908	27 19 43	706	26 23 46	202

"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 respectively.

All days.- The ranges of the annual mean inequalities of H, D and V are all higher in 1935 than in 1934; except for the range of the summer mean inequality of H the separate seasonal inequality ranges for 1935 are also all greater than in 1934.

Quiet days.- The H and D annual mean inequality ranges are greater than for any of the preceding four years but the corresponding range for V is slightly smaller in 1935 than in 1934.

In V, 1927, 1928 and 1929 had the smallest Q-day ranges, in the seasons as well as the years, 1930 considerably the largest; but in H and D the relation between the years is not so clear, 1927, 1928, and 1929 tending to have the largest ranges, 1931-33 the smallest, with the disturbed years 1926 and 1930 intermediate.

Disturbed days.- The range of the 1935 annual inequality of all three elements is greater than in 1933 or 1934. In the latter year the range in H was less than in any year since 1924 and in D and V the ranges were the smallest of all years for which comparable ranges are available at Lerwick, viz. 1923 in D and 1926 in V. In all three elements the range of the 1935 equinoctial mean inequality is greater than that for summer or winter though in H June is the individual month of greatest range.

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 force curves even on quiet days; and become conspicuous in the disturbed day inequalities in H in some months. In the case of vertical force these differences are even more marked. The table below shows the ratios of the ranges of the inequalities in the various months.

Ratio of the Range of the Inequality at Lerwick to that at Eskdalemuir (1935)

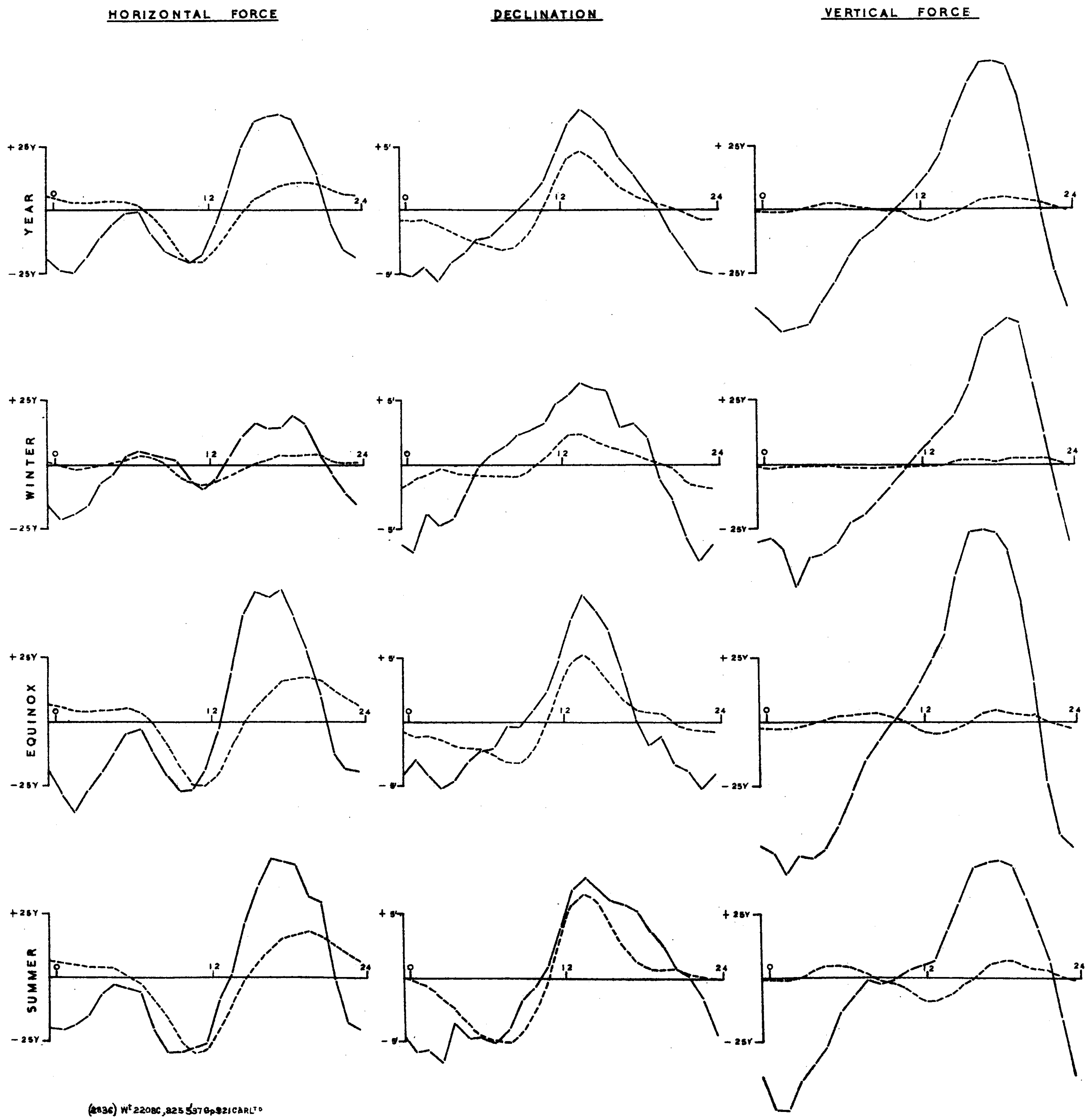
Type of Day	Element	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
q	D	1·03	·96	1·00	1·00	·98	1·02	·74	1·00	·97	·92	1·01	1·08
d	D	1·23	1·25	1·14	1·12	1·23	1·21	1·09	1·10	1·28	1·13	1·09	1·24
q	H	·83	·87	1·06	1·08	1·19	1·19	1·10	1·01	1·02	1·03	·94	·83
d	H	2·18	2·44	2·15	1·31	1·71	2·30	1·26	1·25	2·47	3·12	1·09	1·61
q	V	1·86	1·19	·88	·61	·81	·82	1·02	1·02	·88	·80	·93	1·64
d	V	2·73	2·27	1·95	2·03	2·49	2·40	2·33	2·44	2·08	2·24	2·48	2·30

Plate I

To face page 46.

DIURNAL VARIATION OF THE MAGNETIC ELEMENTS
LERWICK 1935

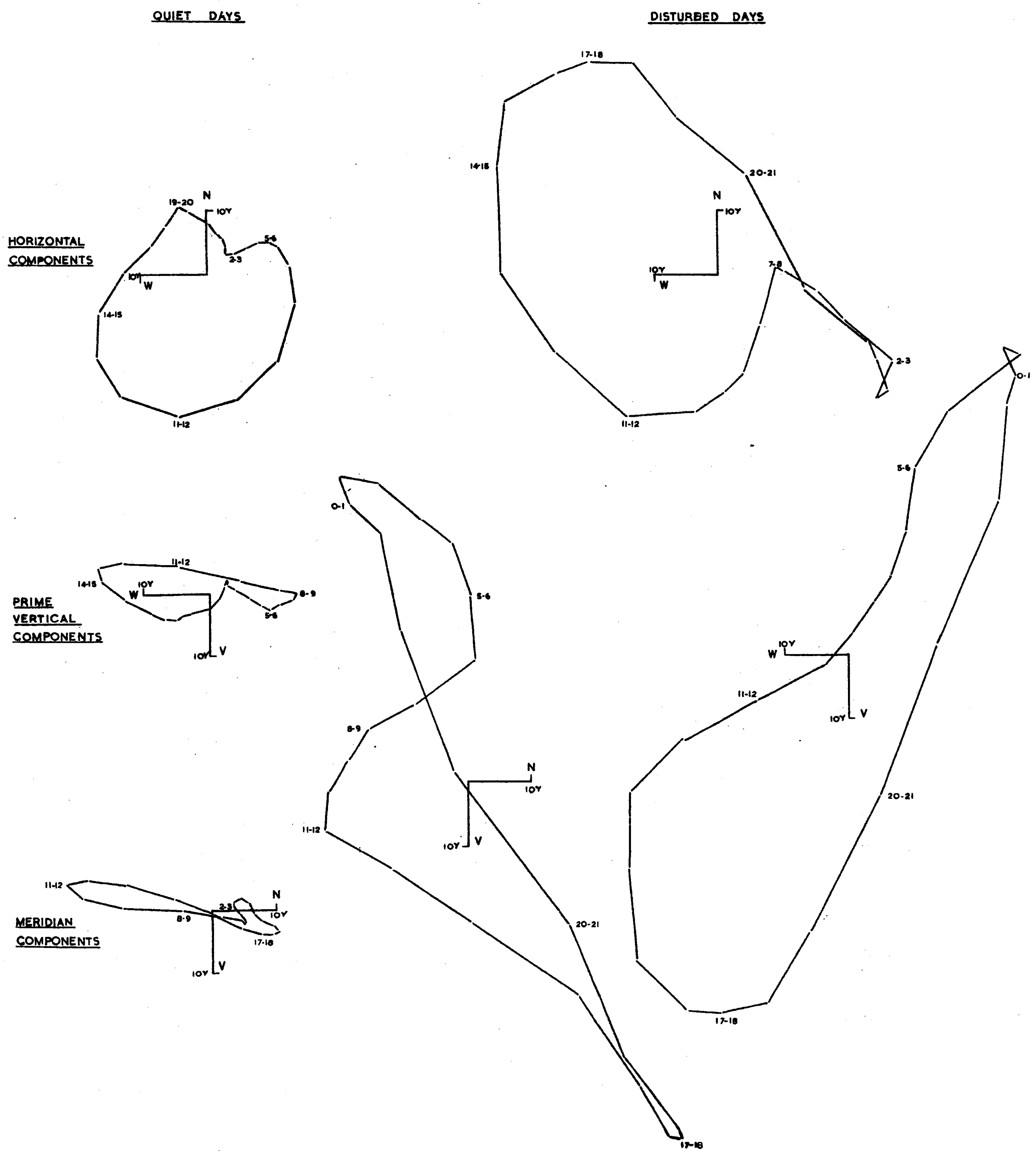
QUIET DAYS -----   DISTURBED DAYS ———



(2836) Wt 22080,825 5370p821CARL TD

VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE

LERWICK 1935



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, 1935.

JANUARY.- (Average Character Figure 0·71)

Conditions were quiet throughout most of the month; the quietest periods were 10th to 14th inclusive and 29d 3h till 30d 7h. A small disturbance occurred on 17th, when between 1h and 3h there were dips of 260γ and 200γ in the H and V records, and irregular fluctuations in D through a range of 33'. Slight disturbance continued throughout the 17th and 18th, and again from the end of 21st till the early hours of 26th.

After a short quiet interval, there was a "sudden commencement" (-13γ, +33γ in H) at 27d 14h 50m. This was followed soon after 19h by a moderate disturbance, which lasted until the early hours of 28th, all three elements being somewhat below their undisturbed values. The only notable movement was a sharp dip of 300γ in H, with minimum at 0h 55m.

Aurora was seen from one or more places in Scotland on the evenings of January 1, 4, 21, 23, 25, 27 and 28.

FEBRUARY.- (Average Character Figure 0·86)

Except during the 4th-7th, 11th and 27th-28th, there was continuous minor activity throughout the month. Moderate disturbance occurred on the 1st and 2nd and the night of 13th-14th. During the night of 1st-2nd there was a marked increase in the normal diurnal variation of all three elements, as is usual during disturbance, but without the large fluctuations usually superposed; the ranges of the smoothed curves were 160γ in H, 40' in D and 380γ in V. Disturbance was absent during the daylight hours of 2nd, but was renewed for a short time after 17h, when H and V rose rapidly but irregularly to maxima at about 19h; disturbance was then practically at an end, and H had returned to near its normal value by 21h and V by midnight.

On 13th, after some activity during the afternoon, there were rapid fluctuations in all three elements, beginning at 20h. Soon after 21h H began to fall rapidly; the fall became very rapid at 22h 50m, and a sharp minimum, 450γ below the normal value for this time, was reached at 22h 55m; this was followed by a rise of 380γ in the next 15 minutes. Between 22h 50m and 23h 30m there were rapid oscillations in D and V. During the first six hours of 14th there were irregular fluctuations of decreasing range, all three elements being somewhat below their normal values, and the disturbance died out gradually during the day.

Aurora was seen from one or more places in Scotland on the evenings of February 1, 2, 3, 5 and 23-26.

MARCH.- (Average Character Figure 0·84)

After slight activity during the first three days, conditions were calm from the early hours of 4th till the end of 12th. There was some disturbance on 13th, especially between 16h and 19h. This was renewed on 14th, the most disturbed period being from 14h to 22h.

The maxima of H and V occurred at about 16h; soon after 17h both components began to fall irregularly, reaching their minima for this disturbance shortly before 15d 2h. The ranges during 14th-15th were: H 377γ, D 59'6, V 413γ. Disturbance continued with diminishing intensity throughout 15th.

During the rest of the month there was some slight activity almost continuously, but the periods 22d 10h to 23d 22h and 27d 10h to 30d 12h were the most quiet. At 30d 12h 13m there was a "sudden commencement" (-18γ, + 40γ in H). This was followed by small and rapid oscillations until 14h 30m; the maxima of H, D and V occurred shortly after, and no further disturbance developed.

Aurora was seen from one or more places in Scotland on the evenings of March 3, 5, 7, 12, 14 and 24.

APRIL.- (Average Character Figure 0·80)

From the beginning of the month till the early hours of 8th conditions were quiet. On 10th a disturbance developed, H and V rose to irregular maxima soon after 18h; there were sharp dips in H to minima at 10d 22h 14m and 11d 1h 53m, the minimum of V occurring in a series of small oscillations between 1h and 2h. Disturbance continued throughout 11th, but movements were not very large. There was a small dip in H between 10h and 11h, followed by an irregular rise to the afternoon maximum. After 15h H and V fell slowly to minima about 22h. Between 15h and 23h there were several rather sharp dips in D, of 15' to 25'. The ranges for the period 10th-11th were: H 491γ, D 49'4, V 331γ. Conditions remained somewhat disturbed during 12th and 13th.

During the rest of the month there was no more than slight disturbance; the periods 20d 4h to 23d 6h and 25d 8h to 30d 6h were very quiet.

Aurora was seen from one or more places in Scotland on the evenings of April 2, 5, 8, 9, 10, 12 and 23.

MAY.- (Average Character Figure 0·77)

There were only three short periods of disturbance during the month; apart from these there was nothing more than minor activity.

Disturbance began rather abruptly shortly before 13h on 1st. Movements were at first small, though rapid, and after 16h there was a decrease of activity. After 22h, however, H and V began to fall; the fall became very rapid at 22h 52m, and sharp minima were reached almost simultaneously about 7 minutes later, the fall in this interval being 330γ in H and 195γ in V. There was a rapid recovery in both components, and then a further fall to minima at 24h, followed by an irregular rise until about 6h. D also fell rapidly after 1d 22h 30m; there was a double dip with minima at 23h 24m and 23h 54m, each 45' below the undisturbed value for this hour. After 2h D rose rapidly, reaching a normal value shortly before 4h, when the disturbance was practically at an end.

There was slight disturbance from the afternoon of 10th till shortly after midnight. Agitation continued during the next three days, dying out by the end of 13th.

On 20th between 3h and 5h there was a dip of 130γ in H, a dip of 170γ in V and a peak of 25' in D. After returning to approximately its former value, H began to fall again at 5h 30m, reaching a second minimum at 7h 27m. There was only minor activity during the rest of the day.

Very quiet periods were: 3d 22h to 10d 3h, 14d 18h to 15d 8h, 17d 4h to 18d 8h and 24d 2h to 25d 10h.

Aurora was seen from Eskdalemuir on the evening of May 31.

JUNE.- (Average Character Figure 0·83)

Conditions were very quiet for the first three days, rather less so from 4d 1h till noon on 7th. A disturbance then began to develop, which became large and lasted till the end of 11th. Between 12h and 16h there were small and rapid oscillations in all elements. From 16h till 20h movements were less rapid, but H and V were above their normal values - H by roughly 50γ. At 20h H and V were falling. H continued to fall at an increasing rate, but with a few pauses, to a very sharp minimum, some 770γ below the normal value for the time, at 22h 10m. V oscillated rapidly within a range of 500γ between 21h and its minimum at 22h 31m. The movements of D were neither large nor rapid up to 21h 50m, but it began then to oscillate rapidly; it reached its maximum for the storm at 22h 6m and minimum for the day at 22h 24m after a fall of 63' in 8 minutes, and immediately began to rise, increasing by 68' in the next 10 minutes. Two more dips, 1' and 7' deeper but less rapid, had their minima at 8d 0h 37m and 2h 30m; the latter was the absolute minimum for the storm. H and V made rapid but partial recovery from the minima, and continued to fluctuate about low values until, after less deep minima, H at 8d 2h 35m and V at 2h 27m, both began an almost continuous rise to normal values, which were reached at about 5h.

Activity continued during 8th, and on the afternoon of 9th disturbance was renewed. The absolute maximum of H for the storm was reached at 15h 55m, and was followed by an irregular fall to the minimum, which occurred in a trough, some 130γ deep, between 22h and 1h. V fluctuated in a similar way. Disturbance continued during 10th, the maximum of V, at 15h 35m, being the absolute maximum for the storm, though only 4γ higher than that of 7th. The disturbance subsided markedly after 20h 30m, and there were no deep minima during the night. Slight disturbance occurred again on the afternoon of 11th.

The ranges for this storm (7th-11th) were H 908, D 81!7, V 539γ.

Conditions were very quiet from 14d 8h till 16d 8h. On 17th activity increased, and on the afternoon of 18th took place a large but brief disturbance. There were large humps in H and V, with maxima in small peaks at 15h 40m and 15h 36m respectively; these were followed in each case by several slightly smaller peaks, and a gradual descent. At 19h 24m H and V began to fall very rapidly. H fell by 330γ to a sharp minimum at 19h 39m, and V by 200γ to its minimum at 19h 35m, the ranges between these minima and the afternoon maxima being 501γ and 375γ. Both minima were followed by a rapid recovery. Up till 19h 26m the movements in D were not large, but D then began a rapid rise, increasing by 44' to its maximum at 19h 38m, and falling by 66' in the next 24 minutes. After this time movements were not large, but there was continuous agitation of the traces until 19d 4h. There was slight disturbance on the afternoon of 19th, 20th and 21st, and small troughs in H and V, accompanied by oscillations in D, around midnight of 20th-21st.

No further noteworthy disturbance occurred and the period 21d 22h to 26d 24h was very quiet.

JULY.- (Average Character Figure 0·65)

The first seven days were quiet, especially the period 5d 20h to 7d 8h. At 7d 21h 9m there was a small movement similar to a "sudden commencement" but less rapid (-4γ, +37γ in H; -0'8, +5'0 in D and very small in V). An increase of activity followed, D being slightly below its normal value until about 8d 7h. Between 6h and 11h there was a dip of 120 γ in H. Slight disturbance continued during the afternoon.

There was minor activity on the succeeding days until the end of 11th, when conditions became moderately quiet. At 14d 15h 31m there was a "sudden commencement" (-19γ, +68γ in H; -2'7, +5'0 in D; +20γ, -31γ in V); this was not followed by any disturbance. Conditions were quiet from the evening of 16th, and only slightly less so after the end of 18th, until the early hours of 22nd. The next 24 hours were slightly disturbed.

At 24d 20h 35m a "sudden commencement" (-2γ +52γ in H; -0'5, +1'8 in D; +5γ, -22γ in V) marked the beginning of a moderate disturbance. Between 22h and 24h there was a dip of 250γ in V, a small dip in H and two small dips in D. Another dip in V, of 310γ, between 25d 0h 30m and 3h was accompanied by a sharp dip of 300γ in H and oscillations in D with a range of 30'. Slight disturbance continued throughout 25th, H and V being below their normal values between approximately 4h and noon.

There was minor activity during most of the rest of the month, but the period 30d 6h to 31d 2h was quiet.

AUGUST.- (Average Character Figure 0·65)

No disturbance worthy of description occurred during this month, though there was continuous minor activity over long periods. Slight disturbance took place from 19d 4h till 25d 9h and from 27d 12h till September 1d 6h. The quietest periods were: 2d 18h to 5d 10h, 14d 2h to 15d 4h and 16d 22h to 19d 2h. A small "sudden commencement" at 8d 22h 2m was followed by a slight increase of activity in D.

Aurora was seen from one or more places in Scotland on the evenings of August 12, 20 and 27.

SEPTEMBER.- (Average Character Figure 0·97)

There was no disturbance during the first nine days, the periods 1d 10h to 4d 8h and 8d 2h to 9d 4h being quiet. Disturbance developed on 10th, and became intense during the night of 11th-12th. On 11th, after small and rapid oscillations during the morning and afternoon, there was a sudden peak of 210γ in H between 17h 48m and 18h 13m; this was accompanied by a small double peak in V, and immediately followed by a sharp drop of 22' in D. Thereafter H and V fell irregularly, and were below their undisturbed values from about 21h till 12d 7h; the depth of the trough in V was of the order of 200γ from 22h till 6h, and there were three deep minima in H between the following approximate times: 23h 30m - 24h 0m; 12d 0h 10m - 1h 45m; 2h 25m - 3h 35m. Between 11d 20h 30m and 22h 35m D made several rapid oscillations within a range of some 50', D continued to fluctuate irregularly throughout the night; it increased by 63' from its minimum shortly after 3h to its maximum two hours later, and fell by 32' in the next hour. After 12d 6h the disturbance died away, and was not renewed. Ranges for this disturbance: H 764γ, D 62'9, V 501γ.

From 13d 6h till 14d 10h and from 20d 14h till 23d 2h conditions were quiet, the intervening period being slightly disturbed.

Disturbance began in the early hours of 23rd. During the afternoon the maximum of H occurred at 15h 29m after a sharp rise of 140γ and the maximum of D at 15h 36m in a peak 22' high. H remained high till soon after 18h, and the maximum of V occurred at 18h 29m. Both then fell rapidly, reaching minima shortly before 23h, and were low until 24d 6h. The minimum of D occurred at 0h 35m and was followed by a rise of 37' to a peak at 2h 13m. The ranges in this period were: H 545γ, D 54'4; V 394γ.

Disturbance was slight on 24th, but was renewed at 25d 2h, when there were small irregular dips in H and V, lasting till 4h 40m and about 6h respectively; D fluctuated through 37' from a minimum at 2h 20m to a maximum at 3h 45m. Considerable disturbance took place during 25th and 26th, though the ranges were not very large; this diminished in intensity after 26d 17h, but conditions did not become calm, and disturbance was renewed on the afternoon of 30th. After some irregular fluctuations, H and V began to fall at 19h, and reached minima at 23h 24m and 23h 25m respectively, the ranges from the afternoon maxima being 266γ and 356γ. In each case the minimum was followed by a rapid rise.

Aurora was seen from one or more places in Scotland on the evenings of September 2, 4, 6, 7, 15, 16, 18, 19, widely on 23 and 24 and from some places on 25, 26, 27 and 30.

OCTOBER.- (Average Character Figure 0·97)

A "sudden commencement" at 2d 17h 20m (-8γ, +30γ in H, -0'2, +2'1 in D, -3γ, +6γ in V) was followed by a slight increase of activity lasting till midnight. Conditions were then quiet until the end of 6th.

Agitation or minor disturbance was present almost continuously from 7d 0h until 20th, when disturbance increased in intensity after 10h. All three elements rose to maxima in the afternoon and fell to minima at about 21h. During the daylight hours of 21st there were continuous small movements. Between 16h and midnight D made several oscillations through ranges of about 30' and one dip of 38' between 17h 35m and 18h 55m. H and V did not rise to high maxima in the afternoon, but fell to minima soon after 23h, that of V being the absolute minimum for the storm. After this there were irregular fluctuations until 22d 6h, and the disturbance died away during the day. The ranges for 20th-22nd were: H 328γ, D 66'3, V 393γ.

There was a short quiet interval, and disturbance was renewed after a "sudden commencement" at 24d 6h 39m (+8γ, -29γ in H, -1'5, +5'3 in D, +2γ, -4γ in V) H immediately began to fall and D to rise, but movements were not at first large. At 11h 20m a rise began in V which amounted to 110γ at the end of half an hour; V remained at a high value until after its maximum, which occurred among a number of small and nearly equal peaks between 14h 30m and 16h 10m. H began to rise rapidly soon after 14h, reaching a peak some 350γ high at 14h 48m, and fell again after a smaller peak at 15h 35m, reaching a value slightly below normal at 16h 25m. Between 14h 20m and 15h 50m D oscillated rapidly, within a range of 27'. The ranges on 24th were: H 430γ, D 31'8, V 205γ.

There was a brief recurrence of disturbance on 25th, between 19h and 26d 1h, and conditions became moderately quiet until, after a small "sudden commencement" at 27d 3h 46m, disturbance again broke out. At first there were only small and rapid oscillations, but the maxima of all elements occurred in peaks between 19h and 20h, that of H being very sharp. The night minimum values were not very low, but that of H, in a sharp dip at 21h 47m, was followed by a rise of 324γ to a very sharp peak at 22h 3m, almost simultaneous with a peak in V and a sharp dip in D. No further large movements took place, but slight disturbance continued until the end of the month.

Aurora was seen from one or more places in Scotland on the evenings of October 1, 4, 10, 20-22, 24-27, 30 and 31.

NOVEMBER.- (Average Character Figure 0·53).

There was no large disturbance this month. The following periods were the most disturbed: 2d 16h to 3d 4h; 5d 15h to 6d 12h; 11d 18h to 15d 4h; 27d 15h - 21h. The largest ranges in any one of these periods were those of the night 12th-13th, viz., 172γ in H, 48'2 in D, 308γ in V.

On 27th there were small irregular humps in H and V during the evening, but the disturbance died out after 21h, and conditions immediately became quiet.

The quietest periods were: 10d 2h to 11d 7h; 15d 9h to 18d 10h (the first 24 hours very quiet); 21d 18h to 27d 12h.

Aurora was seen from one or more places in Scotland on the evenings of November 2, 6, 12, 14, 16, 18, 27, 29 and 30.

DECEMBER.- (Average Character Figure 0·81)

There was no large disturbance this month. The most disturbed periods were: 14d 14h to 15d 8h and 25d 18h to 28d 4h. Conditions were quiet from

4d 6h to 7d 8h ; moderately quiet from 19d 2h and very quiet from 22d 2h till 24d 19h. Some activity or slight disturbance was present during almost all the rest of the month.

Aurora was seen from one or more places in Scotland on the evenings of December 4, 5, 9, 13, 14, 16, 19 and 28.

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 1935

Day	January Factor 1·27				February Factor 1·27				March Factor 1·27.			
	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	95	46	92	209	111	55	160	>414	18	79	118	91
2	-34	25	141	169	>645	307	141	101	124	191	167	170
3	80	95	129	95	117	138	114	123	173	155	179	<-136
4	>510	-15	61	43	55	61	215	111	-121	158	212	179
5	52	<-21	153	184	68	<353	181	>507	245	>348	212	-48
6	129	92	150	77	107	111	111	187	55	58	109	133
7	52	55	77	163	77	153	319	246	82	158	309	233
8	Z±	120	418	104	117	190	243	184	79	118	121	142
9	71	147	215	31	163	319	313	-31	97	100	121	136
10	114	153	120	-77	126	160	221	200	94	109	167	158
11	9	9	117	123	160	218	153	<-675	76	130	136	306
12	89	120	150	Z±	190	123	117	227	148	97	127	115
13	52	80	141	196	104	153	193	153	115	70	158	227
14	-184	92	126	126	111	144	153	126	97	139	215	258
15	74	95	166	144	>691	92	147	92	221	242	339	242
16	92	-31	107	117	144	135	120	537	212	Z-	267	324
17	52	64	77	92	74	117	61	-40	212	155	158	167
18	49	77	114	120	-365	153	-55	270	136	109	91	48
19	58	64	175	86	153	196	153	196	127	342	373	503
20	37	58	117	-64	117	95	338	230	200	176	167	155
21	<-461	92	111	123	135	160	114	<46	115	-9	94	233
22	61	86	89	80	-169	126	80	160	-24	218	203	230
23	58	196	114	64	101	160	<153	196	167	179	<-409	251
24	0	74	267	-132	Z±	196	193	184	130	-106	188	206
25	Z±	77	255	153	120	322	Z±	144	<-1061	112	191	200
26	141	169	>338	255	86	414	135	218	<-30	188	151	151
27	95	71	114	111	230	249	236	200	-55	170	176	185
28	40	-46	123	147	150	120	123	144	161	194	121	221
29	92	64	107	98	---	---	---	---	176	197	242	233
30	203	178	153	464	---	---	---	---	179	45	545	418
31	<-55	138	>553	Z±	---	---	---	---	-145	-379	200	255
(a)	92	94	164	137	166	184	173	208	138	157	195	213
(b)	56	76	132	106	84	166	168	181	92	110	194	210
Mean	(a) 122		(b) 93		(a) 183		(b) 150		(a) 176		(b) 151	

Day	April Factor 1·27				May Factor 1·29				June Factor 1·31			
	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	153	116	<183	220	94	115	125	193	96	144	193	196
2	125	162	146	180	175	184	449	340	119	128	144	177
3	122	153	171	235	324	393	384	250	96	141	100	180
4	Z±	589	253	Z±	399	337	343	368	128	167	-58	109
5	-61	305	228	229	200	218	134	203	87	116	<-803	122
6	198	220	<-46	226	112	122	137	137	61	10	116	80
7	183	146	146	204	81	181	156	131	-209	327	385	-77
8	165	146	159	217	131	119	153	147	270	116	16	87
9	122	165	195	-177	84	190	125	306	26	-32	138	157
10	210	<-232	259	186	34	41	144	187	170	193	228	77
11	70	73	119	110	109	125	62	84	74	161	331	10
12	79	64	171	76	87	131	97	109	32	282	157	177
13	110	119	137	165	106	147	115	Z±	437	430	408	404
14	91	101	122	210	66	137	128	112	343	263	218	148
15	113	95	119	95	125	-671	97	262	337	266	199	189
16	-366	174	95	-579	153	144	Z±	Z±	Z±	193	58	80
17	49	149	137	98	Z±	<-75	125	109	32	6	106	83
18	<-213	43	168	98	144	125	147	159	100	119	-32	112
19	101	134	104	229	231	128	200	140	96	161	215	193
20	122	128	159	162	106	156	115	150	96	161	-138	247
21	119	-131	290	470	122	109	147	90	199	770	350	135
22	<-1519	247	397	110	97	112	122	125	132	205	671	501
23	-43	-641	21	49	94	231	134	200	292	83	722	575
24	73	27	171	195	218	209	153	209	353	417	481	639
25	116	198	244	235	140	156	147	115	356	321	552	880
26	85	101	153	113	109	187	165	209	382	257	257	116
27	73	85	113	134	103	156	128	131	353	315	(353)	363
28	67	79	91	180	94	78	165	125	58	266	144	177
29	110	91	210	113	87	119	109	78	80	382	324	514
30	61	122	153	162	115	94	125	147	610	106	205	199
31	---	---	---	---	94	122	97	159	---	---	---	---
(a)	113	149	169	174	134	157	158	172	193	224	272	239
(b)	70	85	152	129	135	129	160	174	163	220	242	237
Mean	(a) 151		(b) 109		(a) 155		(b) 149		(a) 232		(b) 221	

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 1935

Day	July Factor 1·32				August Factor 1·31				September 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	197	212	25	393	246	297	190	199	298	273	217	353
2	222	872	73	463	98	158	174	139	133	291	198	397
3	108	149	120	222	92	123	145	363	332	z±	-37	298
4	111	82	-41	108	177	158	196	265	112	161	112	118
5	-3	<-428	105	95	284	604	300	370	6	99	87	118
6	32	63	92	143	177	253	161	174	112	112	96	136
7	79	70	117	139	269	423	145	344	96	127	105	121
8	190	178	507	387	316	253	117	142	96	121	139	155
9	209	92	250	384	104	117	123	95	112	164	257	161
10	298	444	82	241	139	186	167	272	112	130	146	208
11	200	139	174	181	155	167	95	51	93	118	338	236
12	187	282	152	190	63	114	111	145	155	121	-465	<-821
13	130	593	793	143	104	126	167	209	307	90	<-186	155
14	159	184	209	127	133	221	281	139	208	186	322	152
15	79	178	127	159	139	126	120	167	65	130	260	183
16	178	162	187	225	88	161	300	319	310	121	186	263
17	136	184	212	165	196	161	171	335	301	-62	-143	152
18	159	193	159	178	202	205	(221)	(237)	-3	124	109	152
19	184	247	174	396	---	---	174	569	102	<-1302	109	118
20	212	187	Z-	>602	294	389	209	411	90	74	124	90
21	<-507	-32	168	127	275	190	297	35	47	112	118	201
22	86	136	105	136	130	205	262	395	115	136	195	174
23	263	346	108	152	332	379	190	224	118	121	124	152
24	152	120	143	-32	572	370	209	104	99	133	152	201
25	159	127	-162	165	104	145	130	171	155	167	171	186
26	86	114	111	181	<-1296	54	95	152	152	146	136	127
27	203	279	-63	117	-215	-41	120	161	136	341	174	381
28	54	114	63	-29	41	38	95	199	248	211	-189	-90
29	98	108	108	67	111	98	111	79	121	139	167	403
30	76	111	152	178	57	142	183	139	124	112	109	124
31	159	130	472	254	57	126	123	186	---	---	---	---
(a)	152	210	185	218	177	207	174	219	150	150	166	197
(b)	150	211	159	194	163	203	176	209	133	146	143	187
Mean	(a) 191		(b) 179		(a) 194		(b) 188		(a) 166		(b) 152	

Day	October Factor 1·27				November Factor 1·27				December Factor 1·26			
	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	58	-549	3	79	104	187	223	153	88	118	z±	-75
2	-122	122	107	149	92	156	220	312	<-1148	121	109	115
3	122	137	82	79	214	162	413	309	-6	142	<30	163
4	61	113	223	366	104	83	80	80	236	z±	202	118
5	119	-381	-397	-217	43	-3	64	64	79	-75	242	115
6	76	85	98	64	-104	24	92	<-535	<-181	115	154	163
7	85	143	116	210	89	168	165	174	94	82	223	175
8	122	-345	156	259	92	119	70	>122	154	109	281	205
9	-15	>223	116	>381	92	73	165	251	106	88	151	118
10	49	58	137	6	110	<-1209	223	199	36	85	211	154
11	85	91	244	171	168	177	24	184	33	60	91	97
12	61	107	46	140	171	190	113	165	3	60	121	109
13	<55	125	162	515	89	-9	z±	196	75	38	33	169
14	165	101	91	149	135	113	-291	110	9	<-287	91	-181
15	88	76	85	317	80	107	<-918	141	36	<-377	103	109
16	91	110	134	z±	156	153	278	>291	<-242	85	130	72
17	>284	-91	354	470	153	174	<-887	113	z±	-3	57	9
18	>549	95	12	<-397	77	-24	12	<-239	66	88	109	208
19	107	<-137	116	>503	177	205	196	168	468	75	>529	63
20	64	>442	746	z±	153	159	135	129	33	112	317	181
21	104	61	91	79	86	92	64	110	-121	136	190	>347
22	6	82	<-107	67	z±	101	156	156	<-181	166	136	94
23	43	143	110	128	73	153	153	92	z±	121	178	136
24	70	107	82	73	<-1469	98	<61	116	>227	124	269	205
25	88	61	104	293	107	-70	55	205	39	124	72	-3
26	116	-88	177	159	-15	z±	z±	z±	12	139	151	100
27	98	101	119	z±	>750	171	110	135	-332	311	314	-18
28	55	55	95	186	119	80	147	113	<-199	<-1389	157	169
29	149	119	>503	171	113	z±	<-9	136	63	157	97	79
30	180	76	z±	---	z±	z±	z±	184	54	109	172	-30
31	---	z±	244	131	---	---	---	---	148	85	-69	133
(a)	113	118	138	206	142	134	140	163	98	114	170	139
(b)	76	5	87	142	120	120	120	164	41	98	157	112
Mean	(a) 144		(b) 77		(a) 145		(b) 131		(a) 130		(b) 102	
					Annual Means			(a)	139	158	175	190
								(b)	109	131	157	170
									(a) 165		(b) 142	

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 1935

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.	-17	-19	-32	-33	-37	-36	-27	-26	-22	- 9	- 3	+23	+28	+13	+21	+35	+30	+36	+22	+37	+ 6	+ 9	+ 2	- 3	- 6	5	92
Feb.	-42	-58	-42	-37	-45	-38	-28	-36	- 8	+36	+18	- 2	+11	+24	+62	+71	+42	+29	+24	+18	+20	+28	- 5	-42	+ 9	5	160
Mar.	-10	-28	-28	-32	-32	-34	-27	-27	-24	-22	-12	-13	0	+15	+19	+28	+24	+30	+37	+45	+40	+17	+11	+23	- 2	10	159
Apr.	-17	-28	-30	-34	-28	- 9	-22	-25	-14	-15	-20	-28	- 1	+27	+30	+26	+ 5	+ 3	+ 9	+17	+49	+46	+43	+16	-10	7	127
May	-17	-17	-24	-34	-32	-23	-21	- 7	0	- 1	- 4	0	+ 1	+ 6	+16	+20	+21	+23	+29	+20	+23	+ 9	+10	+ 4	- 3	19	161
June	-49	- 7	-22	-60	-47	- 9	-28	-23	-15	- 1	-25	-33	-43	+ 2	+70	+77	+50	+65	+70	+17	+30	- 3	- 1	-15	+51	10	314
July	-14	-13	-53	-47	-24	-31	-17	+18	+ 7	+16	- 9	+15	+13	+45	+57	+ 9	-21	- 8	- 9	- 8	+ 6	+44	+31	- 6	+22	10	239
Aug.	+12	-23	-32	-26	0	+36	+50	+64	+54	+18	- 3	0	-26	-41	-31	-23	-67	-55	-29	- 3	+31	+23	+33	+40	+19	8	235
Sept.	-23	-30	-36	-46	-37	-30	-14	+ 1	+ 4	- 2	- 5	-24	+ 4	+16	+36	+27	+ 4	+25	+28	+42	+29	+39	+ 6	-15	+30	3	133
Oct.	-33	-53	-96	-65	+31	+60	+21	0	+10	0	-15	-20	+ 1	-33	-18	+59	+60	+77	+80	+69	+ 6	-25	-63	-53	-21	1	130
Nov.	-77	-59	-35	-11	+ 1	+43	+58	+119	-77	+36	+42	+145	+50	+86	-12	+ 6	-16	- 4	-16	-39	-48	-52	-70	-70	+ 9	1	158
Dec.	-33	-87	-85	-89	-80	-47	-31	-24	-31	- 7	- 3	+16	+51	+53	+26	+53	+63	+52	+33	+44	+59	+34	+26	+ 7	-107	1	75
Year	-27	-35	-43	-43	-27	-10	- 7	+ 3	-10	+ 4	- 3	+ 7	+ 7	+18	+23	+32	+16	+23	+23	+22	+21	+14	+ 2	- 9	- 1	80	165
Winter	-42	-56	-49	-43	-40	-19	- 7	+ 8	-35	+14	+13	+45	+35	+44	+24	+41	+30	+28	+16	+15	+ 9	+ 5	-12	-27	-24	12	121
Eqnx.	-21	-35	-47	-44	-17	- 3	-11	-13	- 6	-10	-13	-21	+ 1	+ 6	+17	+35	+23	+34	+39	+43	+31	+19	- 1	- 7	- 1	21	137
Summer	-17	-15	-33	-42	-26	- 7	- 4	+13	+11	+ 8	-10	- 5	-14	+ 3	+28	+21	- 4	+ 6	+15	+ 7	+23	+18	+18	+ 6	+22	47	237

*1a AND 2a DAYS ONLY

3. LERWICK 1935

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	† 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.	-20	-35	-33	-30	-47	-26	- 5	- 7	-47	-78	- 3	+ 6	+ 2	+21	+31	+50	+46	+36	+53	+48	+35	+16	+11	-21	-31	6	95
Feb.	-27	-49	-29	-13	-64	0	+ 2	-18	0	-10	-29	-99	-28	+ 2	+18	+17	+48	+62	+41	+77	+41	+40	+42	-23	-86	3	121
Mar.	- 9	-11	-24	-98	-47	+11	-29	-67	-21	+ 9	+ 7	-42	-29	+57	+29	+40	+22	+63	+70	+36	+21	- 5	+ 2	+15	+70	4	136
Apr.	-51	-59	-18	-56	-29	-19	+11	+ 7	+11	- 1	+ 1	+ 2	+ 8	+23	+ 9	+29	+24	+23	+13	+45	+47	+28	-20	-27	+22	4	129
May	- 4	-24	-29	-14	-33	-20	+ 4	+24	+29	+18	+13	- 7	-32	-30	- 9	+ 5	- 3	+13	+22	+24	+ 9	+18	+13	+14	- 3	5	118
June	- 6	-16	-25	-21	-10	-11	-10	- 8	+10	+ 1	-26	-24	-34	-11	-31	-21	+25	+30	+ 4	+19	+24	+72	+34	+34	+40	11	167
July	-21	-16	0	- 6	- 6	+19	+56	+40	+63	+57	+25	+38	-25	-34	-38	-13	+ 7	-27	-35	+ 8	+ 2	-39	-43	-11	+22	14	138
Aug.	-15	- 2	- 9	-17	-27	-20	+14	- 1	+29	-12	-14	-21	-17	0	+ 8	-10	- 3	-18	+14	+18	+56	+49	+18	-20	+ 3	12	164
Sept.	-26	-20	-12	-22	-22	-21	-11	- 5	- 4	+ 7	-10	+ 6	+ 7	- 2	+ 31	+ 28	+ 31	- 2	- 1	+21	+32	+10	+ 1	-14	-22	10	144
Oct.	- 8	-23	-42	-21	-18	-21	- 7	+13	+ 7	-13	0	-21	-19	- 7	0	- 7	-56	- 7	+37	+117	+63	+50	+14	-29	+26	6	95
Nov.	-12	- 6	-13	-31	-51	-34	-33	-15	- 1	- 5	- 6	- 7	+15	+45	+40	+28	+42	+36	+41	+42	+27	+ 8	-56	-54	-16	7	115
Dec.	-32	-33	-47	-33	-36	-41	-47	-21	- 5	-35	-36	-10	+20	+43	+49	+55	+49	+61	+45	+65	+55	+ 5	-44	-25	-59	5	75
Year	-19	-25	-23	-30	-33	-15	- 5	- 5	+ 6	- 5	- 7	-15	-11	+ 9	+11	+17	+19	+23	+25	+43	+34	+21	- 2	-13	- 3	87	125
Winter	-23	-31	-31	-27	-49	-25	-21	-15	-13	-32	-19	-27	+ 2	+28	+35	+37	+46	+49	+45	+58	+39	+17	-12	-31	-48	21	101
Eqnx.	-23	-28	-24	-49	-29	-13	- 9	-13	- 2	+ 1	- 1	-14	- 8	+18	+17	+23	+ 5	+19	+30	+55	+41	+21	- 1	-14	+24	24	126
Summer	-11	-15	-16	-15	-19	- 8	+16	+14	+33	+16	- 1	- 3	-27	-19	-17	-10	+ 7	- 1	+ 1	+17	+23	+25	+ 5	+ 4	+15	42	147

† See page 23.
* Note for explanation of 0a, 1a, 2a Days, see page 57.

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

4. LERWICK 1935

Day	January		February		March		April		May		June	
	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
1	1a	1·1	2b	3·7	1a	2·0	1b	1·1	0a	...	1a	0·2
2	2b	6·3	1c	1·5	1a	0·6	1a	0·1	0a	...	1a	0·5
3	1b	2·2	1a	0·1	1b	1·6	1b	0·4	0a	...	1a	0·3
4	1c	1·5	0a	...	2b	3·4	2c	3·4	0a	...	1b	2·1
5	1b	0·6	2b	4·7	2c	3·4	1c	1·2	2b	4·5	2b	5·7
6	1b	0·8	0a	...	1b	0·4	1b	1·2	0a	...	2b	4·3
7	1b	0·8	0a	...	1a	0·1	1b	0·7	0a	...	2b	4·3
8	1c	2·5	0a	...	0a	...	0a	...	0a	...	2b	3·4
9	1b	1·9	1b	2·5	0a	...	1b	1·5	0a	...	1a	0·9
10	2c	10·1	1b	0·6	0a	...	2b	3·9	0a	...	0a	...
11	1b	2·3	2c	6·4	0a	...	1b	2·6	1a	0·1	1b	2·6
12	1b	1·0	1b	0·8	0a	...	1b	0·4	1a	0·1	1a	0·1
13	1a	0·7	1b	1·3	0a	...	1b	0·4	1b	0·1	0a	...
14	1b	2·8	1a	0·5	0a	...	0a	...	1a	0·1	0a	...
15	1a	0·1	2c	3·6	0a	...	1b	0·1	2b	7·4	1b	2·1
16	1a	1·4	1c	2·9	1b	1·7	2c	12·3	1c	2·2	2b	5·5
17	0a	...	2b	3·5	0a	...	1b	1·7	1c	2·9	2a	3·7
18	0a	...	2b	8·1	1b	2·3	2b	3·1	1b	1·0	1a	0·5
19	0a	...	1b	1·3	1b	2·4	1a	0·1	0b	...	0a	...
20	1a	1·1	2b	3·6	1b	1·7	1a	0·9	0a	...	2a	3·9
21	1b	1·3	2c	3·1	2a	4·2	1b	2·7	0a	...	0a	...
22	0a	...	2b	3·3	1b	0·6	2b	4·3	1a	0·1	0a	...
23	1b	0·7	1c	1·5	1b	2·6	2b	14·7	1a	0·1	0a	...
24	2b	4·8	1c	1·6	1b	0·8	2b	3·4	0a	...	1a	0·1
25	1c	2·1	1b	0·1	2b	5·8	0a	...	0a	...	0a	...
26	1c	2·9	1b	0·2	1c	1·2	0a	...	0a	...	1a	0·3
27	1a	0·4	0a	...	1b	1·2	0a	...	0a	...	1a	0·5
28	2b	3·7	1a	1·6	1b	0·4	0a	...	0a	...	1a	0·3
29	0a	...			0a	...	0a	...	0a	...	0a	...
30	1b	0·6			1b	2·3	1a	2·3	0a	...	0a	...
31	1c	2·5			2b	10·3			0a	...		
Total	30	56·2	32	56·5	26	49·0	30	62·5	13	18·6	27	41·3
No. of days used	31	31	28	28	31	31	30	30	31	31	30	30
Mean	0·97	1·8	1·14	2·0	0·84	1·6	1·00	2·8	0·42	0·6	0·90	1·4

Day	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.
		hrs		hrs		hrs		hrs		hrs		hrs
1	1b	0·9	1a	0·1	1a	0·3	2b	10·4	0b	...	2c	8·2
2	1a	0·1	0a	...	2b	3·1	1a	1·0	1b	0·2	2c	4·1
3	1b	1·8	1a	0·1	2c	5·7	1b	2·7	1a	0·1	1c	2·8
4	1b	1·8	1a	0·3	1a	0·2	1b	2·6	1a	0·1	1c	1·5
5	2b	4·2	0a	...	2b	3·5	2b	13·1	1a	2·4	1b	1·4
6	1a	0·5	0a	...	1a	0·1	1a	0·2	2b	11·6	1b	1·1
7	1a	0·1	1a	0·9	1b	0·6	1a	0·5	1a	1·2	1b	0·4
8	0a	...	1a	0·1	0a	...	2b	5·9	1b	2·5	1b	1·3
9	0a	...	1b	1·9	0a	...	2c	3·4	1b	1·2	1a	0·1
10	0a	...	1a	0·7	0b	...	1c	2·6	1b	2·5	1a	0·5
11	1a	0·2	1b	1·2	1a	1·1	1c	1·5	1b	0·5	0a	...
12	0a	...	1a	0·5	2b	8·2	2b	3·6	1b	0·8	1a	1·4
13	0a	...	2a	3·1	1b	1·7	1b	0·4	1c	2·5	1a	0·6
14	0a	...	1a	0·1	1a	0·7	1b	1·7	1b	2·0	2b	6·9
15	1a	0·5	1b	0·2	1b	1·5	1a	0·8	2b	4·1	2c	8·6
16	0a	...	1a	0·1	1b	0·8	1b	0·6	1b	0·9	1b	1·8
17	1a	0·3	0a	...	2b	6·2	2c	7·1	2c	5·9	2c	5·9
18	1a	0·5	(0a)	...	1b	2·4	2c	4·4	2b	8·1	1b	0·7
19	0a	...	(2b)	---	2b	5·3	2c	3·6	1b	0·5	1b	1·9
20	2c	6·2	0a	...	1a	0·5	1c	2·1	1a	0·2	1b	0·7
21	2b	9·1	1b	1·1	0a	...	1b	1·1	1a	0·2	1c	1·8
22	1a	1·2	0a	...	1b	2·3	1b	1·5	1b	1·9	1b	1·8
23	1a	0·3	0a	...	1a	0·1	0a	...	1a	2·0	1b	1·3
24	2a	3·4	1b	1·3	1a	0·1	1a	2·1	2b	6·2	1b	0·6
25	2a	3·7	1a	0·3	1b	0·7	1b	2·9	2b	4·2	2a	6·0
26	1a	0·3	2b	8·3	1a	0·6	2c	6·3	1c	2·4	2b	5·0
27	2b	3·1	2b	6·5	1b	2·9	1c	0·8	1b	0·5	2b	5·9
28	1a	1·1	2b	3·8	2b	5·6	1a	0·4	0a	...	2c	8·0
29	1a	0·2	1a	0·1	1b	0·4	1b	0·6	1c	1·1	1b	1·7
30	0a	...	0a	...	1a	0·1	2c	....	2c	3·1	2b	3·1
31	0a	...	1b	2·0			(1c)	...			1b	1·7
Total	27	39·5	27	32·7	33	54·7	40	83·9	35	68·9	40	86·8
No. of days used	31	31	31	30	30	30	31	29	30	30	31	31
Mean	0·87	1·3	0·87	1·10	1·10	1·8	1·29	2·9	1·17	2·3	1·29	2·8

		0	1	2
Annual Values:-	Character Frequency.	84	202	79
	Mean Character Figure	0·99 (365 days)		
	Duration of Negative pot. grad:	Total 650·6 hrs.		
		No. of days 362		
		Mean 1·80		

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 volts was 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.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

5. LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — JANUARY, 1935

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	449	449	451	449	461	456	458	454	417	421	450	446	445	448	449	449	451	454	456	450	439	454	452	444	448
2	446	441	432	455	462	453	456	456	452	433	431	446	449	449	450	443	450	452	445	457	447	447	449	450	448
3	450	456	451	450	451	453	452	452	444	447	443	425	434	451	457	450	446	447	452	450	459	451	443	447	448
4	459	434	443	449	452	454	447	455	452	445	438	435	444	448	447	444	442	448	427	435	449	446	447	451	445
5	449	447	444	451	456	463	460	456	449	441	440	438	443	452	453	455	453	452	452	452	444	454	447	451	450
6 Q	451	450	451	454	453	454	454	456	452	448	447	449	450	453	452	451	451	451	451	452	454	451	451	452	452
7 Q	452	450	451	454	459	461	464	462	459	458	455	453	452	454	457	457	454	454	454	454	455	454	451	451	455
8 Q	453	453	454	456	459	462	465	468	465	460	457	455	453	452	453	458	457	460	458	454	452	452	453	458	457
9 Q	464	453	455	457	461	464	464	465	463	458	452	451	454	458	459	460	461	458	458	459	457	451	447	454	458
10 Q	453	453	453	451	455	459	460	460	459	458	455	457	459	456	457	453	457	460	458	458	462	458	451	457	457
11	445	453	445	447	452	456	454	454	457	459	456	459	454	453	454	462	465	467	460	458	454	452	451	444	455
12	446	450	450	452	453	453	453	452	454	453	455	454	453	459	457	455	454	456	448	451	449	448	453	446	452
13	438	445	449	450	454	460	453	452	454	454	453	449	447	446	452	453	454	451	450	445	450	448	451	450	450
14	450	450	449	449	453	455	452	451	451	451	451	452	454	455	455	454	457	457	459	458	458	456	455	470	454
15	437	443	443	451	459	463	462	455	456	457	449	445	438	446	453	456	436	436	437	445	448	452	444	452	448
16	449	447	448	448	451	456	457	458	455	448	443	442	444	451	454	455	455	461	461	457	453	448	451	456	452
17 D	451	357	378	442	458	460	455	425	430	435	432	415	415	433	449	457	450	453	453	450	446	444	464	398	435
18	431	432	423	437	446	459	453	458	452	446	440	438	442	438	442	458	451	449	454	446	460	442	444	454	446
19	458	443	443	446	449	452	449	444	448	446	444	442	449	451	450	452	455	455	451	449	454	452	449	455	449
20	450	442	452	447	452	459	442	458	453	446	442	440	441	446	449	452	453	455	455	451	443	447	448	450	449
21	448	446	445	450	450	452	455	461	454	456	450	449	446	452	453	453	455	457	449	428	428	421	415	428	446
22	438	422	438	434	439	440	439	445	444	446	444	437	448	453	454	444	441	453	452	450	447	452	429	405	441
23 D	405	418	439	451	449	445	451	459	449	452	450	449	435	432	439	448	452	449	450	449	445	451	445	446	444
24 D	447	441	447	447	449	453	450	450	450	454	438	438	445	450	454	451	429	439	446	463	440	444	436	441	446
25	444	436	436	441	447	450	452	450	445	451	448	443	443	450	450	444	444	446	446	467	458	448	449	469	448
26	437	429	441	446	450	454	452	451	451	450	442	437	440	444	450	443	451	452	453	454	455	453	464	448	448
27 D	449	448	448	450	451	454	458	461	461	458	454	450	452	452	460	475	473	478	465	482	423	385	384	370	448
28 D	301	361	333	371	405	420	415	435	433	435	432	428	445	458	460	458	456	455	452	452	452	445	451	445	425
29	445	437	440	445	446	447	452	453	447	440	437	434	436	444	449	452	453	453	453	453	452	451	450	450	447
30	450	450	450	453	454	456	457	453	440	444	433	435	423	436	436	443	446	448	447	446	446	446	451	450	446
31	445	438	440	450	455	453	455	463	430	418	438	439	439	444	447	445	444	445	446	447	448	449	450	452	445
Mean	442	438	439	446	451	454	453	454	449	447	445	443	444	449	452	453	451	453	452	452	449	447	446	445	448

MAGNETIC DECLINATION (WEST)

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

6. LERWICK (D) — 13° + — JANUARY, 1935

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

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, 1935

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	757	745	744	745	739	744	743	747	764	755	748	754	754	757	759	758	754	753	754	760	774	757	749	753	753
2	745	744	730	706	710	733	740	743	747	755	762	757	758	757	760	767	761	759	762	757	759	754	754	753	749
3	750	737	732	744	749	749	749	748	752	751	752	758	758	755	758	760	761	759	756	756	753	751	755	734	751
4	673	714	736	744	746	746	745	736	742	743	750	757	763	762	770	775	775	770	776	774	758	756	752	742	750
5	746	751	751	745	744	742	744	745	747	751	751	751	753	755	760	760	760	759	754	752	756	747	747	746	751
6 Q	747	748	747	750	751	751	751	748	747	746	746	746	750	753	756	757	755	754	752	750	749	748	747	745	750
7 Q	744	746	748	749	747	747	744	743	742	740	741	741	741	744	747	749	752	753	753	752	748	744	745	742	746
8 Q	740	740	742	743	744	745	743	742	742	740	740	741	741	744	747	747	748	747	749	751	752	749	743	738	744
9 Q	722	732	735	739	741	742	743	742	742	741	742	742	740	742	744	746	747	749	749	750	751	752	753	748	743
10 Q	745	742	741	742	742	744	744	744	744	741	738	737	740	740	744	747	748	752	757	762	760	757	760	754	747
11	751	705	731	745	747	747	749	749	748	748	748	750	752	754	755	754	751	755	757	757	760	760	758	761	750
12	754	752	752	752	751	752	753	753	752	752	752	753	752	750	751	753	753	754	760	757	758	755	733	712	751
13	740	746	748	749	746	741	745	748	750	751	752	754	754	755	754	752	753	753	755	761	756	759	757	756	751
14	755	752	751	749	746	746	745	745	748	749	749	748	747	746	749	749	749	748	748	749	749	751	752	726	748
15	748	749	750	748	747	743	742	744	745	747	750	751	754	755	756	758	771	771	766	761	760	757	759	751	753
16	747	750	752	754	751	749	749	749	749	751	753	754	750	752	754	755	755	751	750	752	756	760	764	764	753
17 D	750	675	576	705	729	732	736	745	736	737	750	768	795	784	791	788	796	771	762	758	759	760	742	697	743
18	683	733	714	711	734	735	742	743	746	749	752	754	756	764	772	765	762	769	759	761	757	754	754	742	746
19	727	738	748	752	753	752	751	752	750	750	751	752	752	755	761	763	760	758	759	760	759	754	755	751	753
20	754	757	741	745	751	749	752	750	751	751	752	752	748	754	757	757	757	756	755	756	762	754	753	752	753
21	754	754	755	755	757	755	748	740	744	743	746	748	751	755	761	761	760	758	764	790	789	750	765	768	757
22	748	737	737	753	763	759	746	743	748	749	752	756	757	759	764	769	774	765	765	765	770	767	758	732	756
23 D	703	710	712	739	740	723	731	736	741	742	740	747	755	766	765	773	773	773	777	797	741	705	742	749	745
24 D	749	747	739	740	743	744	745	744	749	749	754	753	752	755	758	770	789	782	775	759	766	761	712	723	752
25	743	730	702	732	746	749	750	750	751	752	753	755	752	754	757	763	766	768	769	751	751	754	748	731	749
26	727	706	706	728	741	745	746	745	746	748	749	753	752	752	752	760	762	754	754	754	754	755	741	746	745
27 D	748	748	748	747	747	747	747	746	744	744	745	747	744	746	744	739	738	740	756	819	816	716	684	672	745
28 D	710	698	611	643	635	627	664	686	707	736	745	747	753	755	749	746	746	749	750	751	754	753	751	754	717
29	754	751	741	747	748	748	746	747	749	751	752	752	751	749	747	747	746	746	746	747	747	747	747	748	748
30	747	747	746	743	742	742	743	744	747	741	746	746	756	760	762	758	756	753	752	751	752	752	747	746	749
31	735	732	721	726	732	735	738	735	748	745	746	742	746	747	750	753	751	749	747	746	746	746	746	744	742
Mean	739	736	729	738	741	741	742	743	746	747	749	751	752	754	757	758	759	757	758	760	759	751	748	741	748

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

8. LERWICK — JANUARY, 1935

Day	Terrestrial Magnetic Elements																					HR_H+VR_V / 10,000 γ² §	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			
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ		°	°A.
1	21	53	466	387	8	56	79	9	12	29·6	4·1	20	20	25·5	8	57	781	736	4	15	45	325	1	78·6
2	19	26	472	416	10	4	56	2	25	27·1	5·3	19	17	21·8	15	30	771	694	4	5	77	440	1	78·7
3	20	37	472	410	11	46	62	1	58	19·5	4·0	20	24	15·5	11	51	765	691	24	0	74	435	1	79·0
4	0	33	483	412	1	4	71	6	44	20·7	0·8	1	8	19·9	19	5	786	661	0	35	125	685	1	79·4
5	5	50	465	435	11	53	30	13	4	18·6	2·6	20	44	16·0	20	45	762	742	5	50	20	146	0	78·9
6 Q	23	22	459	446	9	18	13	2	10	17·3	12·0	22	18	5·3	15	7	757	742	23	22	15	80	0	77·8
7 Q	6	44	467	449	0	1	18	13	5	17·5	11·7	19	25	5·8	17	4	755	739	9	40	16	101	0	77·3
8 Q	23	45	474	448	13	32	26	23	50	18·7	10·2	22	27	8·5	19	58	753	725	23	56	28	168	0	76·9
9 Q	0	12	476	444	22	51	32	0	10	18·9	10·6	22	40	8·3	22	50	758	717	0	20	41	237	0	76·7
10 Q	20	48	464	444	22	42	20	15	50	19·8	8·8	23	26	11·0	22	44	764	735	10	56	29	159	0	76·8
11	17	53	467	434	0	54	33	1	2	26·3	4·1	2	19	22·2	23	50	765	693	1	31	72	340	1	(77·5)
12	22	52	478	436	23	45	42	14	6	18·3	1·6	22	45	16·7	18	26	765	702	22	53	63	355	1	(78·8)
13	5	15	462	433	0	20	29	12	22	18·2	3·6	0	0	14·6	19	13	763	724	0	0	39	238	0	(77·5)
14	23	6	491	439	24	0	52	12	47	18·3	2·3	24	0	16·0	22	53	756	721	23	33	35	238	1	76·1
15	6	1	468	424	16	53	44	12	47	19·0	2·0	0	1	17·0	16	54	782	737	0	0	45	278	1	76·1
16	23	39	478	439	11	16	39	11	55	18·0	-6·4	23	51	24·4	23	21	774	745	23	39	29	192	1	77·0
17 D	22	24	491	260	2	0	231	8	40	25·7	-11·1	22	19	36·8	16	2	820	539	2	24	281	1640	1	77·9
18	20	31	480	404	2	13	76	2	5	19·9	-3·3	20	20	23·2	14	34	781	669	0	12	112	632	1	78·0
19	0	30	465	438	11	45	27	14	35	18·9	5·9	0	15	13·0	18	49	765	724	0	17	41	230	0	78·1
20	7	50	464	432	6	31	32	21	27	19·8	10·8	20	24	9·0	20	53	763	734	2	46	29	181	0	78·1
21	7	46	469	385	21	12	84	21	8	31·5	4·2	22	13	27·3	20	20	799	723	21	7	76	476	1	78·2
22	21	55	462	395	23	5	67	10	35	19·7	-3·4	1	31	23·1	16	5	777	700	23	58	77	456	1	78·6
23 D	20	16	489	387	0	20	102	20	34	26·8	-5·5	0	23	32·3	19	16	811	650	21	4	161	898	1	79·0
24 D	19	5	497	410	22	50	87	13	8	21·7	-8·5	18	55	30·2	16	53	796	689	22	43	107	625	1	78·9
25	23	36	485	424	2	3	61	1	57	23·1	4·4	19	54	18·7	18	41	774	696	2	15	78	465	1	78·6
26	22	20	493	416	1	14	77	1	18	22·0	3·7	0	24	18·3	16	6	769	691	1	54	78	485	1	77·5
27 D	19	50	541	328	23	36	213	18	25	25·8	-19·5	22	19	45·3	19	45	879	648	23	35	231	1381	1	76·4
28 D	1	3	486	66	0	55	420	13	22	22·0	-12·5	2	36	34·5	0	57	780	579	2	21	201	1546	2	75·5
29	7	4	457	423	1	55	34	1	45	23·9	12·0	0	58	11·9	0	5	757	737	2	6	20	142	0	75·4
30	6	45	459	414	12	35	45	12	46	22·6	9·4	21	14	13·2	14	8	765	737	9	21	28	195	1	75·3
31	7	41	468	401	8	51	67	9	27	26·3	10·0	3	40	16·3	9	2	757	713	2	36	44	302	1	76·2
Mean	--	--	476	403	--	--	73	--	--	21·8	2·4	--	--	19·4	--	--	776	701	--	--	75	454	0·71	77·6
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

9. LERWICK (H) 14,000 γ (·14 C.G.S.unit) + FEBRUARY, 1935

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	451	451	449	451	452	453	554	449	437	425	418	420	430	448	458	450	454	470	471	441	413	390	342	333	434
2 D	306	324	356	377	405	415	442	437	441	433	420	419	432	438	458	448	458	468	544	543	441	431	428	429	429
3	430	433	434	438	442	444	448	451	435	423	420	422	427	426	443	443	439	442	439	441	437	433	438	441	436
4 Q	437	441	438	441	444	447	449	450	446	438	438	438	441	441	444	444	448	449	448	444	448	445	446	450	444
5	445	442	445	449	452	457	453	456	450	443	439	439	444	448	448	449	445	448	451	451	451	448	452	442	448
6	451	445	446	447	446	458	461	455	449	438	433	433	437	441	447	449	448	451	449	449	449	448	450	449	447
7	447	447	448	447	449	454	455	455	450	451	446	448	452	452	448	449	455	461	460	457	455	452	447	441	451
8	435	442	448	449	453	452	450	447	442	440	438	437	438	449	454	448	439	456	459	458	456	457	458	459	449
9	447	455	441	444	453	457	457	453	447	447	442	443	446	443	451	456	457	459	457	454	456	453	449	450	451
10	449	451	449	451	449	450	457	458	455	441	445	449	449	453	455	463	438	455	455	455	455	455	454	456	452
11 Q	454	454	453	451	449	448	451	454	454	451	446	445	446	448	449	450	454	457	459	460	458	453	452	457	452
12	457	452	444	445	450	451	449	451	453	448	441	445	445	449	455	457	460	457	454	453	454	456	455	455	451
13 D	449	452	448	440	446	450	458	460	452	455	454	457	435	442	455	459	462	461	449	428	441	381	291	373	437
14 D	391	387	380	429	427	407	443	425	418	429	433	424	426	462	448	462	460	444	449	454	460	451	451	446	434
15	448	435	444	435	429	441	445	447	443	439	438	435	438	443	447	447	432	441	439	435	432	429	444	445	440
16	442	445	446	445	448	453	454	445	445	444	437	428	425	429	448	451	447	447	454	443	451	449	453	443	445
17	451	443	434	427	432	446	451	452	438	430	429	430	434	442	441	448	451	449	451	453	463	456	447	445	443
18	449	443	454	442	456	457	464	462	451	439	434	437	444	448	454	457	451	454	453	470	440	433	441	461	450
19 Q	448	447	447	448	451	451	452	454	452	445	443	438	442	445	443	448	453	456	448	454	457	457	455	453	449
20	452	451	451	453	452	452	456	461	460	454	453	449	449	448	456	450	448	458	462	465	445	441	452	441	452
21	422	432	446	446	452	452	452	461	455	444	440	402	436	450	444	445	448	447	441	449	468	456	437	438	444
22	438	444	428	424	444	456	457	453	448	441	430	430	438	443	443	450	451	453	455	461	452	449	450	453	445
23	450	447	453	449	457	451	444	450	454	447	441	439	435	446	452	453	458	451	453	442	440	440	465	447	449
24	452	452	447	447	449	450	449	451	443	438	425	418	417	441	454	454	464	461	449	427	437	417	433	434	442
25	426	423	429	435	437	440	446	443	435	438	430	436	442	447	450	452	452	456	458	460	462	462	461	457	445
26 D	452	452	455	448	430	448	458	451	451	435	434	426	421	440	449	451	439	442	438	441	443	440	435	442	443
27 Q	435	444	442	445	442	442	446	446	442	437	434	431	434	438	438	443	444	447	449	450	451	448	447	448	443
28 Q	448	448	447	447	448	450	452	452	448	440	433	432	432	435	447	453	450	450	451	451	453	451	455	451	447
Mean	438	439	439	441	444	448	452	451	446	440	436	434	437	444	449	451	450	453	455	453	449	442	439	441	445

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

10. LERWICK (D) 13° + FEBRUARY, 1935

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

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, 1935

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	743	742	742	738	741	738	738	739	744	749	755	762	762	768	774	794	844	911	932	880	814	779	703	655	773
2 D	596	579	575	574	523	606	657	692	711	725	736	750	760	764	763	791	805	824	899	928	844	796	772	752	726
3	751	753	757	757	753	751	749	747	747	748	747	759	803	805	768	763	765	762	762	760	759	757	748	742	759
4 Q	744	741	741	741	743	744	744	741	740	740	742	744	746	748	753	754	750	749	749	750	747	746	745	742	745
5	742	739	738	742	744	742	742	740	740	741	741	742	743	746	752	755	755	754	752	749	746	745	736	730	744
6	722	728	733	738	742	736	735	738	739	741	743	744	743	744	745	748	750	750	751	749	745	743	738	736	741
7	736	737	738	741	742	741	741	741	741	739	740	738	736	738	744	745	747	747	748	748	751	752	740	749	743
8	745	745	738	745	745	746	746	747	749	746	744	744	744	744	745	754	765	755	753	752	752	751	744	735	747
9	732	728	731	738	742	744	745	746	747	742	747	747	746	746	746	748	750	752	755	759	749	754	757	752	746
10	748	740	744	746	747	746	743	743	744	749	749	748	748	747	746	749	772	766	760	757	754	752	751	746	750
11 Q	744	743	744	744	744	745	745	746	746	746	746	746	747	747	746	745	746	746	746	746	748	750	751	745	746
12	736	711	725	734	739	741	744	747	747	744	745	744	746	747	749	752	752	754	756	758	756	754	754	754	745
13 D	750	738	738	726	730	740	737	735	735	734	742	745	757	762	770	795	794	772	793	816	734	679	620	541	737
14 D	600	636	544	610	648	666	711	735	743	743	756	773	776	803	786	787	786	777	764	761	746	743	747	745	724
15	711	711	726	736	738	729	725	736	743	746	747	749	751	751	755	765	782	777	778	778	769	736	748	746	747
16	749	742	749	751	750	747	745	747	749	747	748	750	756	756	757	771	784	779	786	757	751	747	736	727	753
17	711	700	727	733	728	731	741	742	748	752	751	748	748	750	752	755	756	755	754	750	744	737	740	741	741
18	737	738	718	703	722	733	735	736	742	746	747	749	745	748	751	756	760	757	760	754	739	749	749	723	742
19 Q	735	745	748	746	746	750	750	749	749	749	748	748	746	750	756	760	758	757	763	758	752	750	750	750	751
20	750	751	750	750	750	748	745	743	744	743	740	741	745	746	752	762	765	763	770	753	756	758	749	734	750
21	717	676	703	732	744	744	743	740	740	743	741	751	742	747	761	762	782	791	780	768	751	734	734	746	745
22	713	707	725	721	715	736	741	746	748	749	751	749	746	746	749	754	756	757	756	750	751	749	748	747	742
23	746	745	736	743	743	744	740	740	743	743	742	739	743	743	743	747	754	757	756	767	779	776	739	715	747
24	727	725	737	743	745	746	746	745	744	741	741	744	739	743	757	781	800	823	836	832	825	798	769	766	765
25	754	706	680	703	704	704	712	720	729	728	733	730	732	737	740	743	745	744	744	744	745	746	745	744	730
26 D	742	730	720	722	725	714	710	722	729	737	737	744	752	775	774	780	819	820	794	771	763	761	752	740	751
27 Q	734	735	742	742	743	743	742	742	746	749	748	747	745	745	748	749	748	748	748	748	749	748	748	747	745
28 Q	747	746	746	746	745	744	744	744	747	748	748	748	748	745	743	748	753	752	752	752	750	751	747	743	747
Mean	727	722	721	727	728	732	736	739	742	743	745	747	750	753	754	761	769	771	775	771	760	751	741	732	746

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

12. LERWICK — FEBRUARY, 1935

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 13° +			Minimum 13° +			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	18	9	500	294	23	58	206	16	29	34·4	-10·9	23	33	45·3	18	21	951	621	24	0	330	1837	1	75·9
2 D	19	8	622	273	0	57	349	18	8	34·4	-20·3	0	44	54·7	19	21	948	499	4	18	449	2598	2	76·0
3	7	27	455	405	13	14	50	11	58	25·2	6·6	18	55	18·6	12	52	825	741	23	40	84	455	1	75·6
4 Q	18	27	453	431	2	16	22	2	25	18·0	12·1	22	27	5·9	15	15	756	733	2	54	23	144	0	75·0
5	22	47	468	436	11	40	32	14	22	19·2	5·0	22	52	14·2	16	22	757	722	22	55	35	209	1	74·2
6	7	11	463	429	11	14	34	13	15	17·4	9·6	23	9	7·8	17	52	751	720	0	46	31	193	0	74·1
7	22	0	471	435	23	4	36	14	52	21·3	5·6	21	50	15·7	21	37	764	733	22	4	31	196	1	74·0
8	23	55	469	427	15	58	42	15	17	20·7	6·9	0	15	13·8	16	15	772	727	24	0	45	275	1	74·5
9	0	0	465	437	10	51	28	12	52	20·3	8·2	0	25	12·1	19	45	764	725	1	45	39	218	1	75·9
10	15	32	472	423	16	29	49	16	4	22·4	10·7	23	2	11·7	16	45	780	737	1	33	43	271	1	76·5
11 Q	19	37	462	443	11	17	19	12	30	16·6	7·8	24	0	8·8	22	10	755	740	23	59	15	98	0	76·6
12	0	57	474	435	10	22	39	13	26	19·4	7·6	0	17	11·8	19	21	759	707	1	15	52	299	1	76·6
13 D	20	34	505	0	22	55	505	20	9	33·8	-29·2	22	57	63·0	15	53	834	400	23	5	434	2750	2	76·9
14 D	16	3	477	300	1	58	177	13	25	23·1	-8·4	0	21	31·5	13	45	820	521	2	39	299	1650	1	76·7
15	0	16	475	412	20	54	63	1	14	22·1	-0·6	19	36	22·7	16	32	790	701	1	36	89	510	1	76·1
16	18	25	488	420	12	49	68	15	3	21·7	-5·8	18	22	27·5	18	20	828	721	24	0	107	598	1	75·8
17	20	59	478	425	3	30	53	13	12	18·3	4·5	20	40	13·8	16	52	757	694	0	59	63	366	1	76·1
18	19	27	493	424	20	51	69	15	15	19·4	-7·0	19	24	26·4	19	14	769	693	3	0	76	445	1	76·3
19 Q	21	15	460	437	11	21	23	14	6	18·6	7·3	18	43	11·3	18	50	766	724	0	0	42	224	0	77·3
20	19	13	482	432	24	0	50	14	33	21·3	2·0	19	8	19·3	18	11	781	728	24	0	53	320	1	77·7
21	20	36	481	381	11	35	100	13	53	22·1	2·6	21	23	19·5	16	45	795	660	1	27	135	769	1	77·6
22	19	43	466	417	3	4	49	13	45	19·0	6·9	2	3	12·1	17	4	758	697	1	6	61	360	1	77·9
23	22	35	502	428	12	5	74	14	0	21·1	-3·5	22	35	24·6	20	4	784	701	23	18	83	494	1	77·5
24	18	34	477	404	12	17	73	14	52	24·3	4·8	20	43	19·5	18	33	848	718	1	14	130	726	1	76·3
25	14	22	467	407	1	30	60	13	22	23·4	0·2	2	29	23·2	0	5	764	664	2	1	100	553	1	75·2
26 D	6	4	466	409	12	57	57	15	17	23·5	1·2	4	9	22·3	16	48	852	706	6	4	146	763	1	74·2
27 Q	21	0	453	429	0	24	24	12	50	17·8	11·2	20	56	6·6	21	47	750	731	1	7	19	128	0	74·0
28 Q	22	53	464	427	12	17	37	13	26	18·0	10·1	22	31	7·9	16	52	755	740	23	2	15	129	0	74·7
Mean	--	--	479	394	--	--	85	--	--	22·0	1·6	--	--	20·4	--	--	794	686	--	--	108	628	0·86	75·9
No. of Days Used	--	--	28	28	--	--	28	--	--	28	28	--	--	28	--	--	28	28	--	--	28	28	28	28

§ 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

13. LERWICK (H) 14,000 γ (·14 C.G.S.unit) + MARCH, 1935

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	450	450	449	449	450	455	458	457	454	426	431	431	423	437	437	453	449	452	447	445	453	453	454	449	446
2	446	448	448	452	455	462	464	458	451	433	440	443	442	428	449	458	450	436	450	451	450	451	454	450	449
3	447	451	438	446	448	451	452	454	447	439	438	440	447	451	459	451	447	448	466	457	438	445	451	447	448
4 Q	445	441	444	448	449	451	451	451	453	447	440	436	441	446	449	448	452	454	457	456	457	455	456	455	449
5	455	456	457	457	458	458	457	456	450	439	430	429	438	450	453	453	458	458	461	457	454	444	464	453	452
6	455	454	452	453	451	454	454	458	448	437	434	432	436	447	453	453	458	453	452	448	445	442	446	444	448
7	447	449	447	448	449	451	454	453	447	440	433	435	435	441	450	459	452	465	462	458	455	455	459	436	449
8	431	439	445	446	448	447	446	444	443	440	436	433	438	440	453	462	462	460	467	454	458	452	445	447	447
9	444	445	444	452	448	448	448	446	444	439	435	434	442	450	458	440	451	456	456	457	456	455	452	450	448
10 Q	449	450	451	451	454	453	452	454	449	443	436	440	439	440	458	464	457	454	461	451	443	448	445	445	449
11	443	446	448	451	448	453	454	451	446	435	436	447	455	448	456	460	443	443	446	460	459	459	459	456	450
12	454	451	452	453	453	455	456	458	455	451	443	440	442	447	451	456	456	456	458	462	464	467	468	464	455
13 D	471	419	442	439	414	449	461	463	452	440	444	421	421	446	477	494	533	527	461	438	449	453	455	452	455
14 D	449	448	442	453	446	450	424	406	418	382	418	415	447	503	533	536	588	485	466	445	428	432	440	430	453
15 D	380	352	370	401	406	419	425	405	414	412	424	420	431	455	496	467	443	465	458	458	447	444	438	448	428
16 D	444	443	422	423	421	434	436	438	432	428	430	425	437	446	453	462	453	470	450	449	455	447	445	436	441
17	449	455	447	443	424	432	433	438	439	427	419	428	434	448	453	458	459	448	453	456	449	455	457	452	444
18	423	428	445	449	448	449	450	446	441	431	430	433	435	438	447	459	464	460	456	460	449	446	446	444	445
19	444	430	444	448	450	453	447	443	434	421	421	422	428	437	443	446	451	450	464	450	449	441	437	433	441
20	438	435	435	446	448	451	448	440	439	433	429	434	446	434	450	454	464	463	474	455	459	443	441	464	447
21	450	443	445	451	450	453	449	452	450	445	442	436	437	453	461	495	507	495	473	453	452	448	452	428	455
22	419	371	434	441	454	455	455	438	439	436	429	427	432	441	449	454	455	456	457	456	459	450	454	451	442
23	453	452	444	452	455	456	455	450	443	430	420	418	422	436	449	455	461	461	460	463	461	452	460	447	448
24	445	443	430	447	466	478	461	458	445	435	431	437	440	443	456	469	452	466	454	462	457	437	441	453	450
25	450	442	445	446	451	453	451	436	435	434	426	417	420	441	442	454	457	461	464	465	465	467	453	458	447
26	447	450	450	453	452	453	458	457	448	438	433	430	441	449	463	459	461	464	455	459	463	455	454	453	452
27 Q	446	451	450	446	447	463	463	454	446	437	435	434	435	444	459	458	454	458	462	463	463	466	461	462	452
28 Q	458	457	457	458	458	459	459	454	446	438	426	427	439	448	452	459	459	453	456	457	456	456	459	455	452
29 Q	452	454	455	458	460	458	457	454	446	437	431	428	432	439	449	456	454	456	457	459	458	462	463	462	452
30 D	462	464	464	462	462	461	461	457	451	443	437	434	450	489	507	451	466	460	463	454	463	457	447	445	459
31	452	456	454	452	440	447	459	454	443	428	421	426	423	429	450	447	457	459	459	459	455	455	455	455	447
Mean	445	441	444	448	447	452	452	448	443	434	432	431	436	447	459	461	464	461	459	455	454	451	452	449	448

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

14. LERWICK (D) 13° + MARCH, 1935

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

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

15. LERWICK (V) 46,000 γ (·46 C.G.S.unit) + MARCH, 1935

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	744	746	746	746	744	742	742	742	742	748	742	747	761	769	771	759	758	754	775	797	760	756	754	753	754
2	750	747	745	746	743	741	740	743	741	749	743	744	753	771	769	779	803	793	764	755	755	751	748	748	755
3	747	735	738	726	740	743	743	743	746	747	746	746	749	750	754	771	772	773	789	747	762	749	715	727	748
4 Q	738	732	732	743	747	746	744	744	742	742	743	745	747	748	750	754	758	757	752	751	748	747	746	746	746
5	749	749	748	749	748	747	746	745	745	744	743	741	740	742	746	756	758	756	757	759	758	754	697	720	746
6	728	735	738	740	743	744	745	743	744	743	742	742	742	744	752	759	762	765	767	771	764	761	751	740	749
7	737	739	745	751	753	752	750	747	744	742	744	743	742	743	746	754	757	756	761	765	764	759	750	734	749
8	723	734	730	735	738	740	745	747	743	739	738	738	741	745	747	753	761	760	758	770	770	769	769	760	748
9	754	754	757	748	749	755	756	755	752	748	744	741	738	741	753	765	756	755	755	754	752	749	753	746	751
10 Q	741	736	739	742	745	749	751	750	750	749	748	742	745	745	745	758	765	768	766	774	781	772	768	758	754
11	747	745	744	745	748	742	742	745	743	742	740	734	736	747	766	799	801	792	782	765	759	755	754	752	755
12	746	748	747	748	748	748	748	748	749	748	748	747	747	746	746	747	747	747	747	747	747	747	747	749	747
13 D	709	714	731	734	688	696	717	725	735	739	742	752	755	755	787	803	892	910	877	787	762	757	753	754	761
14 D	751	753	742	720	731	736	736	717	708	742	740	755	787	817	855	872	874	831	861	772	687	633	690	706	759
15 D	628	576	606	616	667	691	712	702	715	747	748	755	771	779	805	801	776	783	769	756	760	703	704	718	720
16 D	699	701	698	715	714	713	725	740	746	752	754	755	754	771	777	780	792	794	779	771	736	730	743	715	744
17	704	713	734	737	737	726	729	740	746	752	760	763	765	760	769	761	761	764	762	755	758	738	704	693	743
18	640	656	706	728	740	742	744	746	747	744	743	744	748	749	752	764	776	783	790	773	740	755	737	746	741
19	712	704	726	741	746	744	745	747	751	751	749	750	751	751	754	757	756	755	754	771	768	747	750	755	747
20	738	735	728	746	755	755	754	755	753	751	749	746	746	753	755	757	774	782	792	776	753	739	750	714	752
21	715	729	734	739	747	740	729	722	724	727	729	732	737	744	764	806	836	861	812	799	791	778	731	691	755
22	677	679	678	707	732	742	746	750	748	750	748	748	748	748	749	752	755	757	757	756	755	758	754	747	739
23	747	749	749	740	749	751	752	751	752	752	751	748	743	740	743	750	757	763	761	758	756	759	741	702	749
24	701	668	678	639	690	703	725	737	745	748	749	747	749	752	761	768	778	787	794	770	768	750	747	739	737
25	735	724	719	729	738	745	746	749	744	740	742	745	741	745	763	769	762	761	759	758	757	752	757	749	747
26	748	727	736	746	745	736	734	737	739	739	739	739	739	744	756	768	777	778	778	768	762	756	749	741	749
27 Q	744	743	739	733	736	739	744	748	748	748	745	744	745	746	749	757	757	754	753	755	757	751	749	746	747
28 Q	747	746	748	748	748	749	750	754	754	751	750	745	743	744	746	750	759	764	766	762	762	758	752	749	752
29 Q	745	744	747	747	745	746	749	751	751	751	749	745	744	744	744	746	748	748	749	749	750	748	748	749	747
30 D	749	748	748	747	747	747	747	748	747	748	748	744	739	741	784	804	762	752	747	750	752	747	734	737	751
31	744	749	749	749	750	738	740	744	747	751	751	745	750	752	760	775	777	762	754	753	754	752	752	752	752
Mean	727	724	729	732	737	738	741	742	743	746	745	746	748	752	762	771	776	776	774	764	756	748	742	737	748

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

16. LERWICK MARCH, 1935

Day	Horizontal Force: Maximum 14,000 γ + h	m	γ	Minimum 14,000 γ + γ	h	m	Range γ	Declination: Maximum 13° + h	m	′	Minimum 13° + ′	h	m	Range ′	Vertical Force: Maximum 46,000 γ + h	m	γ	Minimum 46,000 γ + γ	h	m	Range γ	HR_H+VR_V § 10,000 γ^2	Magnetic Character of Day (0-2)	Temperature in Magnet House 200 + °A
1	18	19	467	403	12	7	64	12	46	30·4	8·4	19	26	22·0	19	4	816	739	10	52	77	452	1	75·3
2	16	40	469	412	13	20	57	13	5	22·8	8·6	21	50	14·2	16	54	811	739	8	30	72	419	1	75·7
3	18	46	528	430	2	37	98	2	46	21·8	-9·2	19	26	31·0	18	45	849	708	22	46	141	804	1	76·0
4 Q	22	11	459	430	1	20	29	1	20	21·2	8·4	0	0	12·8	15	56	759	721	1	50	38	219	0	76·0
5	22	5	481	427	11	15	54	13	3	20·7	0·3	21	41	20·4	20	59	761	682	22	24	79	446	1	76·3
6	16	41	463	430	11	22	33	13	56	19·5	6·5	19	55	13·0	19	36	776	724	0	0	52	286	0	76·4
7	22	44	471	422	24	0	49	13	15	19·4	-1·3	23	16	20·7	19	5	767	730	24	0	37	243	1	76·6
8	18	55	473	420	0	2	53	19	6	21·9	2·2	0	48	19·7	19	24	777	719	0	18	58	347	1	77·3
9	14	45	465	426	11	0	39	14	7	22·8	5·4	1	23	17·4	15	14	769	735	12	30	34	215	1	77·9
10 Q	15	34	467	435	10	15	32	13	25	21·3	6·7	0	50	14·6	20	26	784	731	1	44	53	293	1	78·0
11	15	16	468	432	9	30	36	14	59	25·8	6·3	1	15	19·5	15	55	810	733	12	5	77	411	1	78·1
12	21	51	474	438	11	25	36	13	45	18·0	-3·6	24	0	21·6	23	33	755	744	24	0	11	103	0	78·2
13 D	17	35	605	397	4	23	208	16	10	35·2	-14·8	18	34	50·0	17	35	951	681	4	49	270	1560	1	78·4
14 D	16	21	689	348	9	21	341	13	39	36·1	-23·5	17	11	59·6	15	53	958	605	21	12	353	2139	2	78·5
15 D	14	15	544	312	1	40	232	13	43	29·1	-3·9	17	40	33·0	14	7	824	545	1	44	279	1636	1	78·4
16 D	17	11	493	411	4	48	82	23	25	24·8	-10·1	16	58	34·9	16	56	816	680	24	0	136	753	1	78·1
17	21	17	489	413	10	17	76	13	54	21·5	-8·6	21	15	30·1	14	27	773	653	24	0	120	665	1	77·9
18	19	55	471	411	0	44	60	20	6	25·1	3·7	1	21	21·4	18	23	793	633	0	44	160	837	1	77·2
19	20	33	469	406	1	2	63	12	24	19·9	-0·2	1	19	20·1	20	9	789	687	0	46	102	562	1	77·0
20	18	16	504	425	22	47	79	12	46	22·0	-4·3	18	14	26·3	20	5	818	706	23	53	112	637	1	77·7
21	15	50	545	400	23	55	145	14	56	26·8	-10·1	17	58	36·9	17	35	886	672	23	58	214	1207	1	78·6
22	20	17	463	334	1	53	129	13	0	17·4	-5·4	0	2	22·8	21	31	760	656	1	53	104	667	1	79·0
23	22	38	472	414	11	38	58	13	6	19·3	4·2	23	54	15·1	17	9	764	700	23	25	64	382	1	79·4
24	5	8	487	420	2	5	67	15	34	28·7	-3·4	20	46	32·1	18	19	803	613	3	25	190	978	1	79·6
25	21	39	474	411	12	3	63	13	40	23·3	5·5	2	14	17·8	15	28	771	703	2	2	68	408	1	79·8
26	20	47	475	426	10	55	49	15	34	21·1	6·2	22	54	14·9	18	10	781	722	1	36	59	346	1	80·0
27 Q	21	26	472	428	11	56	44	12	45	18·4	6·5	0	20	11·9	15	47	760	731	3	11	29	199	0	80·0
28 Q	22	43	464	420	11	14	44	12	26	19·9	8·8	8	24	11·1	18	5	769	744	0	51	25	185	0	79·9
29 Q	21	54	466	427	11	20	39	12	58	19·3	8·4	7	31	10·9	8	24	752	738	0	54	14	127	0	79·0
30 D	14	41	534	413	12	15	121	14	42	35·0	-3·4	21	11	38·4	15	3	842	724	22	58	118	725	1	78·5
31	17	37	463	415	9	58	48	12	7	20·8	8·8	7	28	12·0	16	12	784	736	5	17	48	294	1	78·4
Mean	--	--	492	411	--	--	82	--	--	23·5	0·1	--	--	23·4	--	--	801	698	--	--	103	598	0·84	78·0
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.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

17. LERWICK (H) — 14,000 γ (·14 C.G.S.unit) + — APRIL, 1935

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	455	455	455	455	455	455	449	438	427	422	419	423	431	438	445	451	456	461	460	458	456	458	456	447
2 Q	455	454	454	456	456	456	455	447	436	421	413	412	417	429	441	448	455	459	463	463	463	459	460	459	447
3	459	460	461	461	462	463	461	454	440	428	424	427	428	442	454	461	458	462	466	468	468	467	466	464	454
4	461	461	460	457	459	459	459	452	443	428	423	422	430	439	454	451	462	464	471	463	463	459	465	460	453
5	461	459	457	456	455	460	457	449	436	420	411	415	428	443	455	458	457	465	467	467	465	461	462	464	451
6 Q	457	454	459	461	461	461	457	449	438	427	422	421	426	436	444	451	457	462	465	466	465	464	464	464	451
7 Q	464	463	462	461	463	464	465	462	449	433	419	413	414	427	442	455	462	467	468	468	469	467	466	465	454
8	459	460	456	460	466	476	472	462	448	433	418	409	426	445	449	445	477	474	478	478	476	475	482	476	458
9 D	471	464	446	421	448	439	421	398	390	404	404	416	424	441	452	450	453	459	462	461	455	450	449	448	439
10 D	450	453	457	459	458	458	458	455	445	435	417	418	462	449	472	457	483	570	552	530	481	393	286	357	452
11 D	374	269	377	424	432	431	438	417	395	382	335	394	422	471	498	513	464	486	494	469	444	367	421	463	424
12 D	421	422	414	402	414	400	402	432	404	392	394	405	411	434	451	463	509	483	465	477	456	446	393	397	429
13 D	405	388	325	426	437	429	448	439	429	421	420	399	413	431	474	505	502	500	483	459	457	436	450	451	439
14	435	428	435	444	440	439	443	435	424	415	418	426	424	424	436	453	455	463	467	460	455	449	450	452	440
15	449	444	430	431	438	441	449	448	438	424	417	416	424	435	444	446	461	466	471	468	462	461	463	460	445
16	458	454	453	453	454	453	440	446	446	433	428	412	424	433	442	472	478	474	460	458	457	454	439	453	449
17	432	447	434	442	446	444	448	444	436	425	423	424	425	434	443	464	466	470	477	468	461	456	458	455	447
18	452	452	452	447	453	452	436	439	431	423	423	419	410	428	435	442	461	460	464	469	474	454	444	448	445
19	446	452	453	454	454	454	450	444	436	424	417	420	415	438	448	466	477	471	464	464	473	461	455	451	449
20	454	450	451	454	454	455	453	446	433	421	411	415	430	441	448	457	455	461	466	465	462	456	469	456	448
21	453	452	452	451	455	457	453	445	436	424	420	422	431	436	452	458	458	467	466	467	462	456	454	453	449
22	454	455	455	453	455	452	449	441	428	419	418	424	431	443	457	470	478	472	470	470	465	462	463	462	452
23	456	456	461	465	467	462	463	458	446	429	413	415	428	423	445	456	460	467	471	475	463	454	427	433	450
24	438	450	449	451	455	455	450	440	430	424	421	426	431	441	455	458	474	476	473	467	471	461	452	455	450
25	457	458	453	444	459	456	447	448	440	430	426	425	430	441	458	466	471	474	470	466	464	465	468	468	453
26	465	463	461	459	456	455	454	455	446	429	422	424	432	443	451	456	469	471	475	473	471	471	464	463	455
27 Q	460	460	456	458	456	457	453	450	445	439	433	432	437	445	454	460	464	468	470	469	468	466	466	466	455
28 Q	462	460	457	458	455	458	456	453	446	438	435	441	447	455	460	462	460	465	472	473	473	471	469	467	458
29	467	466	464	464	464	460	455	450	444	441	440	441	444	448	454	458	459	466	472	476	474	473	472	474	459
30	472	468	466	467	466	467	464	457	447	431	431	438	446	460	463	464	476	484	477	480	481	476	480	478	464
Mean	450	446	445	450	453	452	450	445	435	424	417	420	428	440	452	460	467	473	473	470	465	455	450	454	449

MAGNETIC DECLINATION (WEST)

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

18. LERWICK (D) — 13° + — APRIL, 1935

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	12·5	12·3	12·0	11·7	11·5	10·8	9·5	8·2	7·6	9·0	11·6	14·7	17·0	18·0	17·0	15·4	13·8	12·6	11·4	9·3	11·6	11·3	11·5	12·4	12·2
2 Q	12·6	12·4	12·3	12·2	11·9	11·3	9·9	7·7	6·9	7·8	10·4	14·4	18·0	19·3	18·0	16·1	14·4	13·2	12·8	12·5	12·2	12·4	12·6	12·6	12·7
3	12·3	12·2	12·1	11·7	11·4	10·6	9·0	7·2	7·0	8·8	11·8	16·2	19·0	18·2	17·1	15·8	14·1	13·0	12·7	12·8	12·9	13·0	12·5	12·4	12·7
4	12·3	12·7	10·2	9·5	9·8	8·6	7·9	7·3	6·9	8·4	11·4	14·7	18·1	19·1	19·0	16·9	15·2	13·1	13·1	12·3	12·5	10·7	6·0	11·2	12·0
5	11·4	11·8	10·5	9·8	9·3	8·7	8·5	7·7	7·6	8·7	11·9	15·0	17·2	18·7	18·8	17·1	15·0	13·9	13·4	13·0	12·8	12·9	13·6	10·8	12·4
6 Q	9·7	11·3	11·1	10·6	11·0	10·7	9·7	8·5	8·6	9·5	11·5	14·2	17·5	19·1	18·0	16·7	15·4	14·4	13·9	13·5	13·0	12·6	12·4	12·4	12·7
7 Q	12·3	11·9	11·9	11·8	11·6	11·3	10·6	8·9	7·9	8·0	10·1	13·7	16·7	19·5	18·8	17·3	15·4	14·1	13·6	12·9	11·3	11·2	10·4	10·1	12·6
8	10·5	10·4	9·7	9·6	6·6	7·7	8·8	8·6	8·5	9·3	12·3	15·9	20·6	22·8	22·1	19·5	18·1	15·1	14·0	13·8	13·6	13·4	10·4	8·3	12·9
9 D	10·9	11·8	16·1	5·8	2·8	14·1	17·7	11·5	18·2	19·5	18·8	18·9	21·4	24·4	24·7	22·9	16·0	13·4	12·0	12·1	12·3	12·4	11·9	11·6	15·1
10 D	11·4	11·1	11·0	10·9	10·6	10·0	8·6	7·6	7·5	7·8	10·6	15·1	22·5	25·4	31·2	28·5	24·2	27·6	20·2	16·9	7·9	4·9	5·0	7·6	14·3
11 D	7·1	-1·6	10·2	3·3	3·8	6·1	9·5	12·2	10·0	14·3	14·8	18·8	21·1	19·4	20·7	10·9	19·1	13·3	7·1	3·8	10·6	15·3	6·2	4·0	10·8
12 D	4·4	13·8	6·1	7·7	8·7	9·7	15·0	12·5	10·5	11·1	14·4	17·2	19·6	16·2	19·8	19·9	9·8	14·3	14·1	9·1	4·2	5·1	13·2	11·7	12·0
13 D	12·9	14·4	17·8	19·9	9·6	13·5	10·7	9·3	9·5	11·4	14·3	17·1	19·9	21·9	17·6	13·6	13·0	10·3	11·0	12·6	11·6	17·2	13·4	10·0	13·9
14	9·8	15·0	12·9	10·3	9·7	9·5	8·7	7·9	9·7	10·6	13·1	16·3	18·6	18·2	16·2	14·4	13·6	10·4	10·0	11·6	8·6	8·8	10·7	12·1	11·9
15	11·6	10·5	12·1	12·5	8·7	11·2	9·8	8·8	8·3	9·1	11·4	14·2	15·9	17·2	16·6	15·0	14·2	14·0	13·8	13·2	12·4	12·4	12·2	12·1	12·4
16	11·7	11·3	10·8	10·6	10·1	9·2	13·8	12·8	9·2	9·8	11·9	13·7	15·4	16·4	16·3	17·1	15·7	12·2	12·4	12·1	12·4	11·6	9·3	4·4	12·1
17	4·4	12·0	10·8	9·7	6·7	9·5	9·4	9·1	8·5	11·8	12·5	13·7	16·2	18·5	18·6	18·3	14·6	15·2	14·3	13·0	11·8	12·1	11·7	11·7	12·3
18	12·0	11·8	10·1	9·6	12·7	6·9	7·5	6·7	6·9	8·0	11·1	15·5	17·3	18·3	18·2	16·4	15·5	13·5	12·4	12·5	6·8	6·0	10·3	14·8	11·7
19	9·9	9·4	9·9	[illegible]·4	10·5	10·0	9·2	8·2	8·0	10·2	11·5	14·7	16·9	18·3	17·5	15·3	15·6	13·9	12·6	12·4	7·9	8·2	7·1	7·7	11·5
20	8·8	9·3	10·1	10·6	10·5	10·1	8·9	8·0	7·6	9·1	12·0	14·1	16·4	18·1	17·1	15·8	14·3	13·4	12·7	12·1	11·7	12·6	11·7	10·6	11·9
21	11·2	12·7	11·0	7·9	8·1	7·2	7·0	7·2	8·2	10·6	12·8	15·6	17·5	17·6	17·2	16·3	15·0	13·7	12·7	12·5	8·7	9·7	10·9	10·9	11·8
22	9·9	10·6	9·7	8·5	7·9	7·0	6·4	6·2	7·8	9·8	12·6	15·3	17·6	17·9	16·6	15·7	14·6	13·6	12·7	12·5	10·3	9·7	11·8	12·5	11·5
23	12·2	12·3	12·2	11·8	11·2	9·9	8·3	7·2	7·8	10·3	14·6	18·2	20·3	18·1	15·9	14·8	13·6	12·5	12·1	12·8	11·0	4·0	3·3	8·9	11·8
24	11·2	9·7	12·6	8·3	7·4	7·8	7·7	7·4	7·6	8·7	11·0	14·3	17·1	17·3	16·2	14·5	14·8	14·1	13·0	12·5	12·3	8·4	10·0	9·0	11·4
25	9·9	9·7	9·5	12·5	6·0	4·8	6·1	6·8	7·7	10·1	12·5	15·3	18·3	19·0	17·5	15·7	14·4	13·1	12·3	11·7	11·8	11·8	11·9	11·7	11·7
26	11·8	11·5	11·0	10·6	9·6	9·1	9·6	7·5	8·2	10·7	11·9	13·5	15·5	17·3	17·3	15·4	14·1	13·0	12·4	12·2	12·2	8·2	6·9	8·7	11·6
27 Q	10·4	9·1	9·3	8·9	8·2	7·6	6·6	6·5	6·6	8·0	9·9	11·6	13·7	15·3	15·3	15·0	14·6	14·1	13·2	12·7	12·3	12·3	11·9	11·0	11·0
28 Q	11·1	10·6	10·7	9·7	8·9	8·2	7·8	8·1	8·9	10·1	11·6	13·3	15·4	16·3	16·0	15·4	14·8	14·1	13·3	12·6	12·6	12·8	12·4	12·1	11·9
29	11·8	11·5	11·0	10·4	9·7	8·7	8·5	8·7	9·7	11·4	12·7	14·4	16·4	17·8	17·4	15·8	15·0	13·9	13·2	12·7	12·3	12·0	12·0	12·0	12·5
30	11·1	10·8	10·7	10·2	9·6	9·2	8·1	8·0	9·2	12·7	15·2	18·6	21·3	21·6	20·8	18·1	16·3	14·1	13·0	13·6	13·4	12·2	12·0	12·0	13·4
Mean	10·6	11·1	11·2	10·2	9·1	9·3	9·3	8·4	8·6	10·2	12·4	15·3	17·9	18·8	18·5	16·7	15·1	13·9	12·8	12·2	11·2	10·8	10·5	10·6	12·3

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, 1935

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	753	754	753	752	751	752	754	755	758	757	754	752	751	751	751	751	752	751	751	754	751	751	750	751	753
2 Q	752	753	752	751	750	750	751	752	752	752	749	746	744	746	748	749	751	750	747	747	747	746	746	747	749
3	749	750	750	751	749	748	748	748	747	746	742	739	741	740	741	745	750	749	745	744	741	740	740	743	745
4	744	738	729	736	739	742	743	744	744	744	738	735	735	738	745	754	752	758	753	754	748	739	724	725	742
5	730	737	741	743	743	741	742	745	746	744	740	737	738	742	746	749	749	748	746	746	744	744	735	725	742
6 Q	729	736	740	743	744	746	746	746	746	744	742	739	736	738	741	742	743	745	745	745	744	741	740	739	742
7 Q	740	741	743	743	744	744	744	743	742	743	742	739	734	732	735	736	740	744	746	745	744	740	736	733	741
8	732	731	736	736	733	725	724	728	736	739	736	734	728	733	744	744	744	743	742	741	741	741	734	724	735
9 D	729	738	712	621	573	622	657	699	708	706	726	748	756	760	778	801	794	770	757	753	750	749	747	747	725
10 D	746	746	744	745	746	746	747	749	750	748	749	735	727	743	754	805	768	843	867	840	816	742	669	656	758
11 D	660	569	609	650	690	695	709	733	755	754	786	809	797	786	815	848	802	795	768	777	749	615	593	613	724
12 D	660	692	680	699	696	682	702	728	747	759	761	766	765	788	788	775	807	788	781	758	743	742	685	628	734
13 D	670	607	601	619	678	700	711	729	741	751	752	765	771	770	783	797	802	787	773	760	762	692	672	703	725
14	721	717	728	744	751	752	754	752	751	755	754	755	756	761	766	771	768	768	765	764	761	746	749	748	752
15	748	748	744	723	733	732	733	741	746	754	753	750	749	752	754	758	755	753	751	752	755	754	753	756	748
16	757	760	760	759	757	755	753	742	742	746	747	750	749	752	755	759	781	805	795	780	773	763	740	681	757
17	699	712	716	709	726	736	742	744	746	745	745	747	746	747	747	758	777	780	781	779	770	762	756	755	747
18	754	754	748	741	691	719	743	746	748	748	750	753	752	747	749	754	759	768	766	760	761	748	746	713	747
19	712	737	751	755	757	756	758	758	758	755	756	753	755	756	766	772	775	777	773	767	755	746	742	739	755
20	712	710	741	752	756	758	759	759	758	756	757	751	746	746	748	753	761	760	759	760	759	758	755	754	751
21	751	737	735	744	746	738	739	742	746	750	749	748	748	750	753	758	762	764	766	763	765	759	755	755	751
22	754	755	757	759	759	760	760	757	754	751	747	742	742	745	751	758	769	778	781	778	769	758	755	754	758
23	754	755	755	757	758	761	760	758	757	755	753	746	747	754	754	754	757	762	762	764	770	766	730	711	754
24	689	720	731	741	754	762	764	762	759	756	755	753	752	751	751	755	755	762	767	767	762	758	758	753	752
25	753	754	754	738	726	741	750	749	752	751	749	748	744	745	749	753	755	760	761	762	759	758	756	755	751
26	755	756	756	758	758	757	755	753	753	754	753	747	742	745	750	756	759	761	760	760	761	758	749	747	754
27 Q	746	739	748	753	756	756	756	756	757	757	756	754	753	750	750	753	756	756	756	756	757	758	757	757	754
28 Q	755	756	755	750	754	754	755	754	754	754	751	750	750	751	751	751	754	754	755	757	757	757	757	757	754
29	757	757	757	755	754	755	755	752	748	750	750	747	745	745	746	749	748	748	749	751	753	754	755	755	751
30	754	755	756	756	755	753	753	749	745	748	745	738	735	740	746	750	752	759	764	756	754	755	751	749	751
Mean	732	730	733	733	734	738	742	746	748	749	750	749	748	750	755	762	763	766	764	761	757	745	735	729	747

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

20. LERWICK APRIL, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 46,000 γ +			Minimum 46,000 γ +			Range	HR_H+VR_V § 10,000 γ^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	19	0	465	415	11	40	50	13	35	18·4	6·9	19	18	11·5	8	41	759	749	17	58	10	120	0	78·5
2 Q	20	26	466	408	11	7	58	13	26	19·5	6·6	8	17	12·9	9	37	753	743	12	30	10	131	0	78·2
3	19	54	470	422	10	25	48	12	17	19·3	6·6	8	4	12·7	16	17	751	738	11	20	13	135	0	77·8
4	18	23	476	419	10	15	57	13	3	19·7	3·6	22	6	16·1	17	50	760	722	22	30	38	255	1	77·1
5	18	30	469	406	10	22	63	14	34	19·2	6·4	7	47	12·8	15	58	752	723	23	20	29	226	1	76·5
6 Q	19	34	467	420	11	15	47	13	30	19·5	8·1	8	2	11·4	8	10	747	726	0	0	21	166	0	76·5
7 Q	20	28	472	411	12	11	61	13	51	19·9	7·7	9	14	12·2	20	15	746	731	23	51	15	158	0	76·3
8	16	21	498	405	11	20	93	13	39	23·7	5·7	4	35	18·0	16	45	749	720	22	48	29	270	1	76·6
9 D	0	16	477	375	8	30	102	14	43	25·7	-2·7	3	36	28·4	16	0	814	564	4	20	250	1308	1	76·9
10 D	18	15	613	122	22	14	491	15	14	33·9	-5·9	20	33	39·8	18	25	887	639	23	35	248	1868	2	77·0
11 D	15	14	552	177	1	53	375	14	24	27·0	-15·5	22	33	42·5	15	4	879	556	22	17	323	2054	2	77·3
12 D	16	52	556	344	22	43	212	15	35	22·2	-9·9	16	46	32·1	16	41	843	580	23	5	263	1533	1	78·0
13 D	17	1	548	229	2	28	319	3	11	27·6	0·6	16	45	27·0	16	41	829	572	2	38	257	1661	1	78·0
14	17	26	471	406	9	36	65	12	25	19·5	6·3	20	58	13·2	15	40	774	710	0	8	64	392	1	77·6
15	17	55	478	412	10	45	66	13	25	17·5	6·9	4	26	10·6	15	15	760	721	3	20	39	278	1	77·7
16	16	36	487	401	11	20	86	15	37	17·8	1·6	23	25	16·2	17	31	807	671	23	6	136	759	1	78·0
17	17	54	482	420	9	52	62	14	12	19·4	3·0	0	29	16·4	18	20	785	687	0	0	98	547	1	78·0
18	20	49	493	398	12	4	95	3	59	19·3	-5·7	20	44	25·0	17	50	771	680	4	23	91	557	1	78·3
19	20	45	482	410	12	0	72	14	4	18·7	5·4	20	44	13·3	17	17	779	697	0	0	82	481	1	78·7
20	0	33	470	407	11	3	63	13	43	18·6	7·3	8	20	11·3	17	2	763	694	0	51	69	408	1	79·5
21	19	34	469	418	11	15	51	12	56	18·1	6·4	7	6	11·7	18	12	768	731	1	42	37	246	1	79·8
22	16	24	484	414	10	36	70	13	6	18·8	6·0	7	40	12·8	18	55	784	741	11	54	43	302	1	79·8
23	19	11	481	407	10	47	74	12	24	21·0	1·0	22	2	20·0	21	3	779	694	24	0	85	503	1	80·0
24	21	1	482	420	10	38	62	12	35	17·8	5·7	20	58	12·1	19	25	769	680	0	33	89	505	1	80·0
25	16	9	481	424	11	30	57	12	56	20·2	4·4	5	54	15·8	19	0	764	717	4	5	47	302	1	80·0
26	18	39	479	421	10	26	58	14	17	18·0	5·4	22	16	12·6	20	56	763	741	12	30	22	187	1	80·2
27 Q	18	17	472	431	11	6	41	14	30	15·7	6·2	6	55	9·5	21	36	760	737	1	16	23	166	0	80·6
28 Q	18	50	474	434	10	45	40	13	20	16·5	7·2	7	0	9·3	2	35	757	748	12	18	9	105	0	81·0
29	23	46	479	439	10	46	40	14	5	18·1	8·2	6	13	9·9	0	2	758	744	12	56	14	123	0	81·1
30	17	14	491	428	9	58	63	13	44	21·8	7·6	6	57	14·2	17	56	767	733	11	55	34	249	1	81·3
Mean	--	--	489	388	--	--	101	--	--	20·4	3·4	--	--	17·0	--	--	779	696	--	--	83	533	0·80	78·5
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.

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, 1935

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	474	474	741	471	470	465	462	457	445	435	433	431	444	497	482	459	475	476	485	496	485	478	410	255	455
2 D	221	333	375	408	431	452	446	444	434	433	441	442	451	454	462	463	463	472	471	471	471	463	460	463	434
3	465	464	460	457	455	455	455	453	446	438	439	435	430	455	456	457	462	467	461	465	464	462	457	457	455
4	458	459	455	453	452	451	446	439	432	422	425	432	435	446	459	465	468	462	464	465	465	465	462	460	452
5	461	460	458	458	458	458	453	446	436	428	427	430	435	446	455	459	466	473	466	468	470	467	466	467	455
6 Q	468	469	464	462	463	462	459	453	444	435	427	429	436	446	452	462	467	470	473	473	470	471	472	472	458
7	479	472	469	470	471	469	467	461	453	448	440	436	436	445	460	464	471	477	480	480	477	472	470	468	464
8 Q	468	467	465	464	465	464	460	454	445	432	421	420	427	438	448	460	470	477	478	479	476	471	469	468	458
9 Q	465	465	466	467	466	464	460	453	443	430	425	426	433	443	448	458	464	477	479	478	475	471	470	468	458
10 D	467	466	465	465	465	467	470	468	462	450	439	439	458	453	462	476	531	526	494	506	506	442	446	451	470
11	430	420	437	443	436	445	456	448	443	439	432	417	420	438	453	455	475	492	490	488	479	476	471	450	451
12 D	437	444	436	462	451	439	430	432	424	414	417	429	443	457	473	461	470	474	473	476	480	484	441	458	450
13	464	457	449	443	448	442	464	459	447	433	426	433	444	455	463	468	469	468	465	474	477	477	477	472	457
14	471	460	463	467	466	465	454	453	446	431	425	435	438	448	461	462	463	471	471	467	466	464	461	461	457
15	461	460	458	457	457	456	450	444	440	436	436	437	444	444	455	454	465	472	475	489	473	463	466	451	456
16	455	467	467	463	462	453	406	426	413	401	412	418	435	451	434	454	472	483	481	477	477	472	470	464	451
17	467	456	459	463	461	458	453	445	439	431	427	429	436	440	452	465	472	476	476	475	469	465	461	458	456
18	457	457	458	457	460	459	456	450	439	426	423	426	435	444	459	471	478	486	482	477	486	462	446	441	456
19	445	435	452	458	460	456	450	443	431	422	423	430	444	454	458	460	478	476	483	478	470	469	468	459	454
20 D	455	457	445	384	431	459	401	350	398	430	431	430	450	457	470	487	478	472	473	465	463	465	450	444	444
21	441	449	453	455	451	446	445	444	437	422	411	411	417	428	451	454	463	482	478	481	470	458	457	442	448
22	438	448	434	441	447	444	438	444	441	432	432	441	449	451	440	454	453	461	472	482	481	466	457	455	450
23	452	449	450	449	446	446	442	435	427	425	431	433	432	437	442	460	470	480	485	478	472	460	451	446	450
24 Q	450	454	451	453	452	453	452	450	445	437	432	432	435	445	464	473	479	485	482	477	471	466	460	455	456
25 Q	452	455	455	457	459	461	459	453	445	434	425	424	430	443	455	458	470	482	489	485	480	476	476	471	458
26	469	466	459	463	467	462	459	452	442	436	440	442	439	446	444	452	463	476	486	483	480	472	468	468	460
27	466	467	466	468	466	466	465	462	454	441	445	442	442	461	461	466	481	486	491	489	484	478	470	465	466
28	462	460	461	463	465	465	465	461	451	448	446	445	450	447	454	458	464	474	479	482	481	480	476	477	463
29	474	472	471	469	470	469	467	463	457	442	443	437	446	455	458	456	458	477	498	493	481	477	472	469	466
30	468	466	465	465	469	466	463	452	437	431	433	438	444	472	463	465	472	488	498	493	483	479	476	480	465
31	470	464	465	467	466	466	471	461	449	434	426	424	431	455	475	481	490	495	487	487	477	473	470	465	465
Mean	452	455	455	456	458	458	452	447	440	432	430	431	438	450	457	462	472	478	480	480	476	469	462	454	456

MAGNETIC DECLINATION (WEST)

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

22. LERWICK (D) 13° + MAY, 1935

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

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, 1935

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	751	753	755	755	756	756	755	754	751	750	750	749	746	738	770	792	815	832	814	792	779	762	695	552	755
2 D	478	528	601	662	691	745	758	760	760	758	755	754	752	756	761	767	766	766	763	761	759	759	758	755	724
3	758	759	762	765	764	761	759	757	755	755	753	758	760	756	759	762	763	770	768	763	760	760	760	759	760
4	760	762	765	768	769	767	765	763	759	755	750	749	753	755	757	761	768	771	768	766	763	760	757	755	761
5	752	751	761	765	767	767	765	761	757	756	754	752	752	752	753	755	759	761	763	762	760	759	758	757	758
6 Q	755	754	759	762	763	762	761	758	753	753	755	750	746	751	758	760	763	763	761	762	760	758	756	755	757
7	751	755	758	759	761	762	760	760	754	750	750	748	744	741	747	757	761	762	765	764	762	762	761	759	756
8 Q	758	757	758	761	762	761	759	762	760	757	753	750	748	748	751	754	758	762	763	762	762	762	759	758	758
9 Q	759	758	759	759	762	760	760	760	757	756	754	747	743	746	749	749	754	759	761	764	764	761	759	758	757
10 D	757	757	758	757	757	756	757	755	753	752	751	748	741	746	749	751	751	794	820	795	810	789	767	747	763
11	720	691	708	736	737	746	748	750	748	749	745	750	749	750	756	757	761	763	777	766	763	762	748	700	745
12 D	692	688	654	672	685	702	721	738	751	756	753	747	748	754	765	777	765	757	757	756	759	725	708	727	732
13	744	750	734	717	724	732	724	735	744	750	751	745	744	747	749	750	754	755	756	753	753	755	755	755	745
14	750	749	737	730	738	742	752	750	750	751	750	753	754	755	755	760	765	763	763	761	760	760	762	763	753
15	763	764	764	764	763	761	763	762	758	754	753	749	746	747	747	753	754	755	758	756	764	761	752	756	757
16	738	710	714	734	743	747	751	716	728	738	741	746	743	751	767	773	763	760	759	757	756	758	759	756	746
17	744	748	754	758	760	761	759	757	750	750	752	749	748	751	755	757	758	755	756	758	755	755	757	758	754
18	759	761	761	762	761	761	761	760	757	749	743	740	740	746	750	755	759	764	770	771	765	746	746	726	755
19	711	688	702	738	752	758	757	753	753	751	748	745	744	754	763	766	768	780	784	782	776	764	752	749	752
20 D	745	721	712	647	599	691	724	727	701	721	736	743	750	762	784	803	782	771	765	770	768	758	747	725	735
21	727	738	754	762	769	769	767	765	768	772	769	762	759	759	765	773	772	774	784	780	780	772	756	708	763
22	701	722	734	738	744	753	758	757	757	753	752	749	754	763	770	766	767	762	760	765	771	769	766	783	754
23	762	759	755	760	762	763	763	765	761	754	748	744	748	749	752	756	764	766	775	771	770	771	769	767	761
24 Q	760	757	760	760	762	763	765	759	756	757	755	750	750	751	756	763	767	767	768	770	770	768	767	766	761
25 Q	764	752	754	764	765	765	764	762	761	761	761	758	754	751	751	755	757	758	759	763	763	764	763	762	760
26	762	758	761	762	761	763	761	763	762	759	754	756	765	770	778	780	775	769	769	773	772	768	763	764	765
27	766	766	765	764	764	764	760	760	757	758	757	755	757	760	767	769	767	769	766	771	770	772	771	769	764
28	769	769	766	763	762	761	763	764	766	761	760	759	757	760	761	765	765	764	763	764	765	766	766	764	763
29	765	766	765	764	762	760	756	754	755	754	752	750	746	747	751	758	760	757	759	766	770	765	763	763	759
30	763	764	765	765	764	763	760	757	752	749	748	752	759	765	784	788	784	774	768	772	771	763	759	734	763
31	750	759	764	767	764	749	742	749	752	753	751	747	749	753	756	764	766	769	776	782	778	771	766	766	760
Mean	740	739	743	746	748	754	755	755	753	753	752	750	750	753	759	764	766	767	769	768	767	762	756	745	755

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

24. LERWICK — MAY, 1935

Day	Terrestrial Magnetic Elements																					HRH+VRV §	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	10,000 γ^2		
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1 D	15	55	539	80	23	00	459	15	12	26·4	-33·3	23	24	59·7	17	7	839	442	23	59	397	2516	2	81·4
2 D	16	55	474	148	0	10	326	12	55	17·6	-24·5	2	20	42·1	15	55	770	449	0	23	321	1974	2	81·1
3	16	59	476	412	12	34	64	12	24	18·8	6·2	6	4	12·6	17	40	774	750	10	36	24	205	1	81·1
4	15	48	475	420	9	34	55	12	56	15·9	7·0	7	18	8·9	17	9	773	747	11	17	26	201	1	81·7
5	17	39	476	426	10	20	50	13	15	17·1	6·7	6	22	10·4	5	20	768	745	1	0	23	180	0	82·8
6 Q	19	14	476	425	10	36	51	13	44	17·3	7·1	6	37	10·2	16	55	765	745	12	31	20	167	0	82·8
7	18	42	484	434	12	15	50	13	6	18·2	5·9	6	57	12·3	18	59	767	740	13	10	27	199	0	82·4
8 Q	19	5	481	417	10	57	64	14	28	16·4	5·2	7	37	11·2	7	45	763	745	13	5	18	182	0	82·2
9 Q	17	54	486	423	11	0	63	14	25	16·1	7·0	6	35	9·1	20	28	765	743	12	32	22	194	0	82·6
10 D	17	26	562	431	21	25	131	17	35	25·1	-5·0	20	47	30·1	20	41	840	736	23	19	104	675	1	83·0
11	17	43	505	371	1	12	134	14	15	17·6	-6·2	0	57	23·8	18	20	780	669	1	5	111	707	1	83·4
12 D	21	26	550	411	9	45	139	12	3	19·2	-3·9	21	25	23·1	15	30	781	642	2	0	139	854	1	83·2
13	22	36	491	420	10	35	71	13	22	17·7	2·5	4	45	15·2	18	34	762	707	3	7	55	369	1	82·0
14	18	12	475	422	10	47	53	1	39	16·1	5·5	8	1	10·6	16	34	766	729	3	20	37	254	1	80·8
15	19	15	499	432	11	6	67	12	45	17·6	4·3	23	0	13·3	20	44	766	744	12	28	22	204	1	80·5
16	18	13	486	388	10	9	98	6	54	27·1	2·5	2	37	24·6	15	27	778	704	2	4	74	496	1	79·8
17	17	45	479	425	11	5	54	12	43	17·0	4·2	6	55	12·8	5	53	763	740	1	0	23	185	0	78·7
18	20	46	501	421	10	30	80	13	56	16·7	-7·9	24	0	24·6	19	14	773	721	23	46	52	358	1	78·5
19	18	25	488	419	10	5	69	13	54	17·4	-8·1	0	3	25·5	18	54	786	681	1	45	105	585	1	79·1
20 D	15	12	502	327	7	27	175	3	37	31·4	1·0	2	0	30·4	15	24	809	536	4	0	273	1522	1	79·6
21	19	4	502	405	10	53	97	14	55	16·3	-2·7	23	23	19·0	18	19	789	699	24	0	90	560	1	80·5
22	20	49	493	425	2	35	68	14	24	16·5	2·0	0	48	14·5	20	40	775	694	0	14	81	467	1	81·0
23	18	20	487	422	9	5	65	13	25	16·8	6·3	7	42	10·5	18	18	776	743	11	24	33	248	1	81·5
24 Q	17	11	486	430	10	50	56	12	27	19·2	7·7	3	27	11·5	19	39	772	749	11	59	23	184	0	82·1
25 Q	18	21	491	422	10	48	69	14	6	17·4	3·7	5	40	13·7	0	2	767	747	14	7	20	196	0	82·5
26	18	55	496	431	9	14	65	12	41	18·4	5·2	5	17	13·2	15	0	784	753	10	30	31	234	1	83·1
27	18	35	494	434	9	54	60	13	37	18·6	5·5	7	51	13·1	22	5	776	753	11	36	23	194	1	83·0
28	19	3	484	440	13	45	44	14	54	15·3	4·0	6	24	11·3	0	5	769	755	12	12	14	129	0	83·0
29	18	30	505	433	11	46	72	13	10	18·7	5·3	7	8	13·4	20	46	772	745	13	3	27	230	1	83·1
30	18	35	506	421	10	19	85	12	26	19·5	4·1	5	35	15·4	15	15	793	726	23	20	67	435	1	83·3
31	17	41	499	419	11	15	80	13	30	17·7	6·7	8	25	11·0	19	0	786	740	6	22	46	330	1	83·3
Mean	--	--	495	398	--	--	97	--	--	18·7	0·7	--	--	18·0	--	--	779	704	--	--	75	491	0·77	81·7
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

25. LERWICK (H) 14,000 γ (·14 C.G.S.unit) + JUNE, 1935

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	465	463	462	462	464	461	457	449	438	425	418	421	432	442	458	465	474	471	479	477	476	474	471	467	457
2 Q	464	464	466	464	465	463	459	453	441	432	426	423	433	440	444	453	467	479	480	483	479	475	470	468	458
3	468	468	467	467	467	464	461	453	444	431	426	432	441	447	460	464	474	479	481	482	482	476	474	471	462
4	469	473	473	476	468	474	466	462	448	440	436	439	441	459	473	493	484	482	506	499	497	479	474	471	<u>470</u>
5	471	474	471	468	466	464	464	454	440	428	424	429	444	461	456	499	502	491	492	491	488	485	480	477	467
6	474	471	466	462	459	457	454	455	448	438	426	413	428	444	456	471	479	487	488	496	484	480	478	470	462
7 D	470	466	470	475	473	469	460	444	446	444	437	432	453	435	443	458	547	550	551	530	562	150	86	295	439
8 D	312	267	184	357	464	447	446	431	402	383	405	417	441	440	479	454	466	456	481	479	475	469	469	471	<u>421</u>
9 D	468	461	465	468	466	465	462	460	451	448	447	414	462	460	502	568	533	534	525	477	471	454	405	324	466
10 D	423	454	454	442	434	437	442	433	420	402	418	424	455	472	544	555	563	512	512	500	453	467	462	457	464
11	457	456	456	459	445	441	435	429	426	421	422	437	463	481	484	475	522	534	530	508	485	465	458	457	464
12	453	453	455	453	450	444	438	432	433	430	427	432	441	447	459	463	484	476	485	488	484	466	463	441	454
13	454	441	458	447	445	447	443	438	435	429	429	446	453	474	474	479	481	481	491	484	475	467	465	449	458
14	426	441	444	450	454	448	441	434	432	429	436	447	448	455	456	469	470	467	469	470	466	467	466	464	452
15 Q	460	460	458	459	458	453	444	437	430	426	427	436	447	458	461	465	471	475	480	477	472	468	463	458	456
16 Q	459	459	461	464	459	454	448	445	446	444	436	441	454	460	462	472	480	485	480	489	485	480	474	472	463
17	474	473	471	472	473	466	457	448	439	433	431	442	449	458	460	473	470	494	502	506	494	467	446	459	465
18 D	446	455	435	423	430	434	443	422	402	405	404	407	431	465	551	650	657	618	567	426	400	362	323	360	455
19	391	403	415	436	438	437	433	418	409	400	407	387	405	404	442	456	476	505	503	481	465	471	468	465	438
20	458	443	441	431	429	448	441	442	431	424	420	416	414	427	446	465	470	483	486	483	469	462	461	431	447
21	414	457	461	461	458	461	456	446	433	420	408	408	411	430	460	489	501	521	500	483	468	460	458	455	455
22	451	451	451	453	454	456	452	438	425	414	404	406	415	423	435	451	461	473	476	476	473	467	464	468	447
23	466	467	466	465	464	461	455	446	432	417	411	409	418	435	452	470	468	471	471	472	471	468	464	461	453
24	460	458	454	452	462	462	456	448	434	427	425	429	442	446	455	458	465	471	474	476	476	473	466	461	455
25 Q	461	459	460	462	462	459	453	445	434	423	419	419	430	444	452	462	474	480	481	486	480	472	464	461	456
26	460	460	462	462	463	459	451	445	434	430	431	436	447	449	447	450	460	466	474	485	485	482	482	481	458
27	481	466	463	468	466	462	454	450	441	433	432	441	453	464	467	478	480	479	487	489	486	481	474	471	465
28	468	468	468	469	463	455	449	445	439	437	437	431	439	450	451	457	470	475	503	498	490	485	455	438	460
29	434	450	458	452	457	459	454	450	439	429	428	432	454	463	470	474	488	491	490	485	486	482	469	467	461
30	466	464	459	448	459	453	447	445	438	435	437	448	453	458	454	471	474	482	484	494	489	475	465	463	461
Mean	451	451	449	454	457	455	451	443	434	426	<u>424</u>	426	440	450	465	480	490	492	<u>494</u>	486	479	458	447	448	456

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

26. LERWICK (D) 13° + JUNE, 1935

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	10·8	10·9	11·6	10·9	8·8	6·1	4·7	2·6	3·3	6·2	9·4	13·4	16·0	16·5	16·1	14·4	12·3	10·8	10·9	11·0	11·0	11·2	10·9	11·4	10·5
2 Q	11·3	10·8	10·0	10·2	7·9	5·2	4·9	4·5	5·1	5·8	9·3	13·3	17·1	17·4	16·9	15·8	13·7	12·0	10·7	10·4	10·0	10·6	10·8	11·1	10·6
3	11·3	11·5	11·1	10·1	7·5	5·7	4·5	5·0	5·5	8·0	10·5	14·2	16·5	16·9	16·5	15·6	14·3	13·2	12·5	12·1	12·1	11·7	11·2	11·2	11·2
4	10·4	10·1	10·4	12·2	11·4	8·4	5·0	3·6	3·9	6·1	11·3	16·0	19·2	21·3	20·1	18·4	16·6	14·1	14·1	11·4	9·1	6·7	10·4	10·0	<u>11·7</u>
5	9·8	9·7	8·9	7·5	6·7	5·3	2·7	1·7	3·5	6·7	11·2	15·0	18·2	18·8	17·6	16·0	14·0	13·8	14·5	14·6	13·9	12·8	11·8	11·1	11·1
6	9·9	10·1	9·5	8·4	6·6	4·1	3·5	2·7	4·3	8·4	12·4	16·0	17·8	19·3	20·2	18·8	15·9	14·4	12·8	12·3	10·7	11·2	9·2	9·7	11·2
7 D	9·4	8·5	9·4	8·8	7·1	4·6	4·3	3·6	7·8	10·1	11·5	15·8	20·9	24·0	23·5	22·1	19·4	19·1	14·2	11·2	10·2	11·8	3·6	-5·4	11·5
8 D	-25·3	-8·2	-17·2	-0·2	2·0	2·6	2·1	1·4	5·9	10·2	11·3	13·0	16·0	19·2	19·7	20·8	19·9	17·7	16·9	15·0	13·7	12·2	9·3	9·3	<u>7·8</u>
9 D	8·9	3·6	4·1	4·8	3·3	2·7	1·2	2·3	4·6	3·5	6·1	15·0	18·9	21·0	20·6	16·2	18·6	23·8	20·5	9·2	12·6	11·9	11·2	14·7	10·8
10 D	4·6	4·8	4·6	5·1	7·3	8·3	6·4	9·3	7·5	9·9	10·0	12·4	15·4	11·2	11·3	14·1	14·3	17·1	13·9	13·1	14·4	12·9	11·9	11·8	10·5
11	12·7	9·9	7·9	4·4	7·0	5·2	5·2	5·5	7·1	9·4	12·1	14·1	14·9	14·9	14·8	15·1	15·0	19·2	11·6	16·0	13·0	12·0	11·2	9·5	11·2
12	8·6	9·0	8·8	8·3	7·3	5·5	4·9	5·3	8·7	11·1	13·3	15·4	17·0	16·1	13·7	12·8	13·1	10·1	12·0	12·7	8·0	10·1	11·2	13·5	10·7
13	2·5	4·7	6·3	5·3	7·5	4·5	4·8	5·5	6·1	8·5	13·0	16·0	18·7	18·0	17·1	14·8	13·4	14·4	11·4	12·0	12·7	12·8	10·0	9·3	10·4
14	12·2	8·2	8·9	8·6	6·5	5·5	5·5	7·0	7·3	8·4	11·2	13·0	14·4	14·8	14·1	15·0	13·9	12·9	12·6	11·6	11·0	10·6	10·3	9·3	10·5
15 Q	8·6	8·3	7·6	6·5	5·9	5·0	4·4	4·9	5·5	6·5	8·4	12·0	14·9	15·3	15·3	14·9	13·5	12·7	12·6	12·0	11·5	11·0	9·7	9·8	9·9
16 Q	8·5	8·1	7·8	7·3	6·2	4·5	3·9	4·1	4·5	6·6	11·2	15·7	17·3	15·7	14·4	13·7	13·0	12·6	11·9	12·1	11·8	9·2	9·7	10·4	10·0
17	9·9	9·1	7·9	7·6	5·4	4·3	4·0	5·0	7·0	10·2	12·6	14·8	17·8	17·8	17·9	16·5	15·0	14·2	13·4	12·3	7·6	6·8	5·3	7·9	10·4
18 D	7·3	7·6	4·7	3·4	-5·8	2·7	-1·5	1·7	6·2	7·2	7·5	10·2	14·0	17·8	21·0	24·3	27·8	24·7	22·5	29·7	2·7	5·8	8·3	0·3	10·4
19	-3·6	-2·1	6·9	0·7	2·6	2·5	1·7	2·1	2·6	4·8	8·9	14·0	20·0	22·2	20·1	18·9	18·0	16·9	12·3	12·5	12·3	11·3	10·0	11·2	9·5
20	7·9	4·6	3·6	7·4	8·9	8·3	7·5	6·9	8·3	9·6	9·3	12·2	15·6	15·9	14·6	13·1	11·6	11·4	11·5	9·9	11·8	12·0	12·1	8·8	10·1
21	8·9	6·4	8·5	7·9	6·7	5·4	4·8	4·3	4·7	5·7	8·1	11·5	14·1	16·3	14·9	17·7	16·8	14·0	10·1	10·6	11·6	11·2	12·0	11·5	10·2
22	11·1	10·0	9·7	8·6	7·0	3·3	1·9	1·7	3·3	5·8	10·0	14·1	17·5	18·3	17·9	16·8	14·5	11·7	11·1	11·1	11·1	10·9	10·4	10·4	10·3
23	9·8	10·0	9·2	8·3	5·4	3·1	2·6	3·5	4·3	6·4	9·2	13·3	16·8	17·9	16·7	13·7	11·4	9·3	9·6	10·3	10·8	10·8	12·2	9·2	9·7
24	9·2	9·4	9·2	9·0	6·0	4·1	3·9	4·0	3·5	5·4	9·0	12·8	15·7	17·9	17·5	15·5	12·8	11·2	10·1	10·2	11·2	12·7	12·2	11·2	10·2
25 Q	10·0	8·8	8·3	7·3	5·5	5·0	4·0	3·5	4·5	7·3	10·6	13·9	16·2	17·1	16·4	13·6	11·1	10·5	10·3	10·1	10·5	11·1	10·3	10·8	9·9
26	9·0	8·9	7·3	6·1	5·1	4·1	4·0	4·6	5·6	8·9	11·1	13·1	14·7	14·9	15·6	14·7	12·9	11·1	10·2	10·4	10·5	10·7	11·2	11·6	9·8
27	13·0	9·2	2·7	2·8	2·0	1·6	4·7	6·3	7·1	10·4	13·4	14·2	15·1	15·5	15·1	14·5	13·2	11·2	11·4	12·3	11·7	11·8	11·4	10·6	10·1
28	9·7	9·9	8·5	8·2	5·5	3·5	3·5	3·2	5·2	8·6	12·1	14·8	18·8	18·8	17·5	14·6	10·7	10·0	10·1	10·8	11·7	14·2	11·3	11·0	10·5
29	13·8	14·7	7·9	4·5	2·2	2·2	2·5	2·1	3·5	7·0	10·3	14·1	15·6	15·8	15·6	14·0	12·2	9·8	7·4	10·5	13·0	8·3	9·9	11·1	9·5
30	10·4	13·7	9·2	9·1	4·7	2·8	4·1	5·3	6·4	8·1	11·3	14·1	15·9	17·1	15·6	13·4	11·6	11·7	11·1	6·4	8·6	10·9	10·9	10·0	10·1
Mean	8·0	8·0	7·1	7·0	5·7	4·5	<u>3·9</u>	4·1	5·4	7·7	10·5	13·9	16·7	<u>17·5</u>	16·9	16·0	14·7	13·9	12·5	12·1	11·0	10·9	10·3	9·7	10·3

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, 1935

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	766	767	763	764	760	761	762	763	761	757	751	744	747	753	758	763	766	767	766	764	763	763	761	763	761
2 Q	763	764	766	766	764	764	764	765	766	765	760	753	755	755	759	764	767	769	767	763	764	761	761	761	763
3	761	762	763	763	764	764	761	757	756	754	749	740	739	745	750	758	764	767	766	763	761	763	762	761	758
4	761	761	760	753	749	735	743	752	758	749	747	750	754	752	754	765	780	783	773	781	766	771	765	762	759
5	759	757	760	763	764	765	763	763	763	757	751	746	745	746	759	768	787	789	781	776	771	768	765	762	764
6	760	760	760	761	760	759	757	757	754	750	753	753	746	747	747	755	766	769	768	766	770	768	763	759	759
7 D	753	758	761	761	763	763	763	762	754	753	751	746	739	746	749	757	778	833	866	833	777	640	556	567	747
8 D	547	540	481	552	705	757	749	768	767	781	769	767	766	783	800	806	787	781	764	770	773	775	771	747	729
9 D	701	715	748	759	761	763	758	754	754	753	768	755	744	768	775	832	837	803	808	786	768	766	723	653	761
10 D	629	693	729	742	748	750	761	765	772	772	766	764	766	801	839	873	852	817	780	752	714	760	770	762	766
11	753	760	761	768	772	770	773	775	775	775	775	773	771	784	787	787	780	790	812	774	781	779	770	748	775
12	755	765	770	771	771	773	775	777	774	771	768	761	761	762	762	769	770	784	782	774	771	776	772	734	769
13	727	744	754	762	760	765	770	772	772	771	768	758	758	766	774	777	779	780	784	782	778	777	771	760	767
14	736	721	747	760	764	768	773	773	770	773	773	772	771	762	763	765	768	773	771	770	772	771	773	770	765
15 Q	774	775	775	775	775	773	772	773	770	764	763	759	760	762	763	765	770	771	771	770	769	768	767	769	769
16 Q	770	771	771	771	771	771	767	764	761	761	761	752	746	751	756	758	764	769	772	768	768	772	768	764	764
17	764	763	768	765	766	766	760	756	757	752	745	735	734	735	743	754	766	759	757	762	767	743	756	754	755
18 D	751	739	717	681	676	702	724	737	732	734	747	758	773	791	826	887	893	880	817	727	697	681	670	667	750
	658	683	666	727	749	763	771	768	761	762	764	776	757	756	764	769	775	802	826	798	773	762	768	755	756
20	734	714	722	750	748	744	750	755	764	765	765	759	753	752	755	762	770	772	781	790	782	772	762	748	757
21	697	725	742	755	763	763	767	767	765	760	756	747	741	740	756	771	802	815	816	805	788	778	766	760	764
22	761	762	762	762	761	764	764	765	765	768	768	762	757	755	754	758	763	766	766	765	765	764	760	756	762
23	756	756	758	759	762	763	763	761	758	760	759	752	748	748	749	755	763	766	765	764	764	763	754	747	758
24	753	756	757	761	749	756	760	761	762	761	754	748	748	749	749	747	746	754	760	762	761	760	760	760	755
25 Q	758	759	758	758	759	762	762	759	756	756	751	748	744	744	748	751	752	756	758	759	762	762	760	756	756
26	749	751	750	756	757	759	759	756	756	754	753	751	748	753	760	758	755	753	752	754	756	758	757	757	755
27	748	724	733	745	753	755	753	755	759	759	758	754	748	755	761	766	774	780	769	765	765	765	765	763	757
28	763	762	763	762	763	763	759	758	756	753	750	754	754	760	763	772	770	773	776	786	786	773	760	730	763
29	692	701	696	720	736	750	753	757	756	750	747	749	751	752	756	762	765	776	789	784	772	770	765	759	750
30	759	755	737	742	751	764	760	755	754	755	751	742	747	756	756	757	767	769	775	774	769	766	765	763	758
Mean	735	739	740	747	755	759	761	762	761	760	758	754	752	758	765	774	779	782	781	773	766	760	753	744	759

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

28. LERWICK — JUNE, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: 46,000 γ +			Minimum 46,000 γ +			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 Q	18	33	484	416	10	45	68	13	4	16·7	2·3	7	39	14·4	16	38	770	743	11	45	27	225	0	83·2
2 Q	18	55	485	421	10	53	64	12	58	18·0	4·2	6	56	13·8	18	16	770	752	11	40	18	177	0	83·0
3	19	49	486	424	10	26	62	13	46	17·2	3·3	7	11	13·9	17	54	769	735	12	15	34	248	1	83·1
4	18	47	517	428	12	39	89	13	42	22·4	2·5	8	5	19·9	16	56	787	730	5	30	57	395	1	83·1
5	16	56	528	421	11	3	107	13	30	20·0	1·0	7	3	19·0	17	25	796	742	13	8	54	407	1	83·1
6	19	29	502	407	11	23	95	14	16	20·7	2·2	7	12	18·5	20	32	773	744	14	10	29	273	1	83·0
7 D	17	37	564	-291	22	10	855	22	6	35·0	-40·0	22	24	75·0	18	14	888	353	22	31	535	3733	2	82·8
8 D	14	33	503	-4	2	35	507	15	51	22·5	-46·7	2	30	69·2	14	59	818	412	2	27	406	2627	2	83·0
9 D	15	55	617	301	23	17	316	17	51	26·5	-5·0	9	8	31·5	15	15	852	620	23	59	232	1539	1	82·5
10 D	16	39	593	327	0	0	266	20	7	26·9	0·6	6	50	26·3	15	35	892	610	0	9	282	1700	1	82·7
11	16	56	582	416	10	3	166	16	56	22·1	1·9	3	14	20·2	18	14	822	742	23	36	80	614	1	83·2
12	19	15	507	423	11	25	84	12	48	17·9	3·6	7	33	14·3	17	27	788	712	23	47	76	476	1	83·0
13	18	49	499	421	9	55	78	12	40	19·8	0·8	0	12	19·0	18	14	787	713	0	9	74	449	1	83·3
14	16	27	473	417	0	31	56	15	10	15·4	4·2	6	13	11·2	9	42	778	711	1	7	67	393	1	84·0
15 Q	18	38	483	424	9	41	59	14	0	15·7	4·2	6	22	11·5	3	13	776	759	11	55	17	170	0	85·0
16 Q	19	37	494	435	10	43	59	12	13	17·7	3·5	7	53	14·2	21	15	775	746	12	34	29	277	1	85·2
17	19	22	511	426	10	10	85	14	23	18·7	2·6	20	35	16·1	20	10	776	732	11	25	44	350	1	84·5
18 D	15	40	701	200	19	39	501	19	38	65·5	-9·2	4	33	74·7	15	36	940	565	19	35	375	2473	2	83·4
19	17	25	513	334	2	5	179	13	6	23·9	-7·9	0	16	31·8	18	29	836	646	2	13	190	1145	1	82·9
20	18	28	510	386	23	56	124	13	5	16·7	1·5	2	0	15·2	19	9	794	704	1	54	90	595	1	83·2
21	17	31	538	390	0	0	148	15	59	19·5	3·3	5	49	16·2	17	25	821	679	0	16	142	872	1	83·4
22	17	53	479	402	10	31	77	13	50	18·6	1·2	6	44	17·4	10	5	769	754	14	25	15	180	0	83·5
23	15	36	482	406	11	43	76	13	54	18·4	1·5	5	45	16·9	17	10	767	744	23	4	23	217	0	84·0
24	19	15	481	422	10	36	59	13	52	18·2	2·8	8	26	15·4	7	52	764	742	15	55	22	191	0	84·5
25 Q	19	32	492	417	10	31	75	13	48	17·3	3·1	7	20	14·2	20	31	764	742	13	6	22	207	0	85·0
26	19	57	487	426	10	39	61	14	35	15·9	3·4	6	19	12·5	6	5	760	746	12	43	14	158	0	85·1
27	19	5	494	428	9	49	66	14	14	16·1	0·8	5	35	15·3	17	7	784	718	1	44	66	399	1	85·4
28	18	26	515	424	12	6	91	12	46	20·6	1·8	7	44	18·8	20	11	794	695	24	0	99	593	1	86·1
29	18	50	504	421	10	15	83	13	4	16·2	0·7	7	16	15·5	18	23	793	680	0	24	113	642	1	86·3
30	19	40	511	431	10	34	80	12	57	18·0	0·8	19	35	17·2	19	6	780	729	0	23	51	348	1	86·4
Mean	--	--	518	363	--	--	155	--	--	21·3	-1·7	--	--	23·0	--	--	799	690	--	--	109	736	0·83	83·9
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	39	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.

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, 1935

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	465	464	462	456	457	460	459	449	436	422	420	418	425	445	464	471	470	475	477	478	475	473	476	476	457
2	475	457	458	456	443	461	460	451	440	433	429	431	453	463	464	488	495	489	478	480	472	469	463	464	461
3	457	453	458	464	465	463	453	442	432	421	419	422	437	452	462	469	479	474	479	483	483	479	474	473	458
4	463	460	460	463	461	456	447	442	429	423	424	418	439	440	456	468	468	473	471	477	477	471	465	465	455
5 Q	460	458	459	461	461	459	454	446	434	422	414	416	427	446	465	477	482	482	478	469	468	467	464	463	455
6 Q	463	462	463	461	461	457	456	449	440	428	425	425	433	444	452	462	462	465	471	474	480	476	473	472	456
7	469	467	467	465	460	456	455	457	447	429	422	429	440	446	454	466	469	473	474	480	480	489	469	465	459
8 D	472	471	469	479	479	475	444	374	357	381	399	436	489	473	481	447	442	461	464	476	474	469	470	465	452
9 D	472	475	470	465	459	448	445	440	435	428	432	429	434	436	441	455	476	455	454	458	461	459	464	462	452
10	441	442	448	451	447	443	438	432	427	418	418	416	425	435	448	457	459	467	469	475	469	463	458	454	446
11	456	457	456	456	455	452	443	432	411	391	409	436	433	446	477	474	468	479	471	472	471	468	464	460	452
12	460	459	455	452	455	440	437	433	430	431	427	429	434	449	450	464	468	474	471	482	482	469	461	458	453
13	458	457	453	453	451	447	444	442	437	431	434	433	439	458	473	468	463	468	477	480	475	480	471	469	457
14	461	453	451	454	459	455	443	430	425	436	437	447	453	458	490	492	478	494	492	481	485	478	469	480	463
15	464	462	460	458	458	451	444	437	430	434	441	448	470	467	484	500	509	500	483	467	461	457	455	452	462
16	452	450	446	447	450	445	439	433	428	431	424	428	439	457	470	481	487	471	464	463	466	466	464	464	453
17 Q	461	460	458	455	451	447	445	443	433	425	428	438	451	465	473	476	473	468	468	471	472	466	462	460	456
18 Q	463	455	459	460	459	459	460	457	446	435	431	429	432	441	459	460	464	468	471	474	480	476	470	468	457
19	466	470	467	467	458	451	456	454	450	443	446	442	449	463	485	497	496	481	474	479	472	467	462	458	465
20	452	452	450	452	450	450	449	447	437	430	430	422	435	440	456	461	473	472	478	472	469	467	469	468	453
21	465	464	463	461	461	460	458	453	443	432	419	416	422	425	440	457	453	464	481	491	482	472	467	462	455
22 D	460	463	468	476	472	470	472	446	412	427	421	413	425	422	441	464	499	511	488	480	477	478	476	395	457
23	408	444	453	449	439	449	454	450	432	419	409	417	426	441	444	444	442	449	454	460	466	467	464	462	443
24 D	454	450	453	453	452	461	467	465	439	422	422	424	420	442	441	460	455	458	469	473	478	464	418	445	449
25 D	429	319	454	453	366	327	394	366	385	409	396	374	401	445	480	502	487	497	503	474	479	459	449	443	429
26	443	446	456	452	454	452	449	442	439	435	432	436	441	442	443	448	457	464	464	469	473	462	456	455	450
27	454	446	443	434	450	450	448	445	436	428	421	419	418	434	444	463	458	458	456	461	468	464	460	442	446
28	444	446	447	445	446	442	443	443	440	434	420	431	442	452	453	454	463	464	470	466	465	463	456	455	449
29	457	453	454	451	437	429	435	439	438	439	435	431	434	441	441	456	460	471	464	483	467	454	453	453	449
30 Q	447	451	450	452	453	442	446	444	440	432	425	423	428	437	455	461	458	462	462	463	464	463	459	458	449
31	455	451	447	447	446	448	449	442	434	425	417	412	424	443	442	460	462	472	490	478	474	470	470	463	451
Mean	456	452	457	456	452	449	448	440	430	426	423	425	436	447	459	468	470	473	473	474	473	469	463	459	453

MAGNETIC DECLINATION (WEST)

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

30. LERWICK (D) — 13° + — JULY, 1935

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

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, 1935

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	761	763	763	761	763	763	759	760	760	753	743	741	745	749	757	766	770	767	765	762	760	759	758	755	758
2	749	747	739	749	752	742	751	756	762	765	761	752	747	751	760	762	770	775	774	772	768	761	756	754	757
3	751	752	753	761	764	764	764	760	756	756	751	750	751	751	757	764	768	772	768	763	764	763	761	754	759
4	757	759	764	765	767	770	768	766	763	756	756	749	743	752	755	762	769	770	770	764	764	764	763	757	761
5 Q	757	760	763	764	765	766	763	760	760	757	755	748	749	749	752	759	768	778	782	782	773	765	761	760	762
6 Q	758	760	759	765	765	766	764	763	758	756	744	738	736	733	734	739	748	750	750	749	744	746	744	741	750
7	740	740	741	742	744	742	742	739	741	739	734	721	725	732	737	740	749	756	757	754	752	739	726	739	740
8 D	744	747	749	748	748	751	757	771	745	722	742	763	807	826	788	793	794	787	790	785	770	755	743	741	765
9 D	741	738	745	745	749	752	752	748	744	741	746	746	742	752	754	762	764	757	753	748	746	747	741	717	747
10	715	722	725	740	751	756	761	761	758	753	755	754	751	755	760	762	766	762	759	765	767	759	756	753	753
11	752	756	753	754	755	755	756	757	756	761	757	747	741	739	750	775	787	781	765	757	762	759	757	756	758
12	755	756	758	754	753	753	754	754	754	755	758	754	752	752	751	753	757	761	759	760	764	765	764	765	757
13	765	765	765	765	765	765	765	766	766	760	759	768	774	766	769	776	773	768	765	766	770	766	767	765	767
14	752	751	758	762	764	766	767	766	759	748	747	745	752	756	755	767	770	761	757	759	759	758	759	733	757
15	746	759	761	762	763	765	765	765	759	755	756	757	757	765	774	792	802	803	793	782	773	768	766	765	769
16	758	755	758	760	761	762	760	762	757	762	762	761	759	756	761	771	785	783	770	758	756	756	754	756	762
17 Q	754	758	761	763	765	766	762	756	748	747	739	738	746	748	752	761	764	766	762	758	753	753	753	752	755
18 Q	743	747	748	757	761	760	757	754	752	753	748	751	753	754	753	763	767	766	765	758	752	752	750	749	755
19	750	748	729	707	725	724	722	732	736	735	736	747	754	763	767	778	792	798	787	775	771	767	762	755	753
20	747	737	736	743	751	758	763	762	758	753	748	750	751	751	747	749	750	755	758	757	755	753	749	748	751
21	749	749	749	750	750	751	753	754	751	752	746	738	732	737	743	749	760	762	755	755	760	755	746	743	750
22 D	741	741	739	738	742	732	730	751	756	744	748	749	743	753	751	758	764	791	792	774	761	755	722	667	748
23	648	708	732	733	737	737	744	751	758	755	755	747	746	752	755	766	764	759	755	754	754	756	758	756	745
24 D	745	742	741	743	742	741	746	744	749	761	751	749	754	761	786	778	787	776	778	785	765	753	638	648	748
25 D	694	529	673	694	641	630	669	699	696	718	752	775	775	795	799	809	818	791	802	792	779	762	743	713	731
26	699	699	721	745	751	756	756	758	757	758	753	754	758	761	758	757	754	754	754	753	753	757	757	757	749
27	756	750	745	717	721	738	744	744	749	754	750	744	746	746	752	756	758	755	753	750	748	751	741	743	746
28	744	752	754	753	751	751	747	748	751	752	753	749	748	753	752	753	752	754	754	756	758	752	751	747	751
29	738	745	750	749	749	738	723	717	719	724	731	729	734	745	754	762	766	761	761	758	768	762	759	753	746
30 Q	751	738	740	746	750	753	751	753	753	754	757	756	752	752	750	757	761	759	761	758	756	755	753	753	753
31	756	757	760	760	757	756	753	754	750	748	747	745	740	743	746	751	763	769	762	761	753	751	749	747	753
Mean	742	740	746	748	749	749	751	753	751	750	750	749	750	755	757	764	770	769	767	764	761	757	749	743	753

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

32. LERWICK JULY, 1935

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 γ^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	17	50	481	412	11	58	69	13	23	22·6	3·5	5	55	19·1	16	4	771	739	11	35	32	249	0	86·8
2	16	5	499	423	10	56	76	13	8	17·7	1·8	6	19	15·9	18	45	777	737	2	12	40	296	1	87·0
3	20	14	489	418	10	49	71	12	53	17·5	2·6	6	43	14·9	17	52	774	749	11	20	25	220	0	86·8
4	20	43	481	413	11	35	68	13	12	18·2	0·8	6	15	17·4	17	34	774	740	12	19	34	257	0	86·5
5 Q	16	47	487	409	11	3	78	14	18	19·5	3·5	7	3	16·0	18	44	785	746	12	59	39	271	0	86·2
6 Q	19	48	485	422	11	20	63	14	8	18·9	1·5	8	16	17·4	5	20	767	731	14	20	36	194	0	85·4
7	21	16	514	420	10	58	94	13	57	19·2	-2·1	22	50	21·3	17	45	760	722	22	38	38	318	1	84·9
8 D	12	55	533	335	7	54	198	13	55	27·8	-0·7	4	38	28·5	13	15	846	709	9	25	137	911	1	85·5
9 D	23	5	488	409	14	3	79	13	25	20·1	-2·4	7	0	22·5	16	25	769	711	23	50	58	376	1	86·0
10	19	15	480	412	11	25	68	13	57	14·7	2·1	6	53	12·6	16	43	769	710	0	35	59	388	0	86·9
11	15	15	490	386	9	25	104	12	32	18·6	2·3	6	59	16·3	16	35	793	735	13	7	58	421	1	87·1
12	19	38	488	423	10	26	65	13	25	15·2	-1·2	5	30	16·4	21	19	768	748	5	7	20	187	1	87·6
13	21	30	486	429	9	5	57	13	5	17·4	3·3	5	46	14·1	15	46	779	756	10	16	23	190	0	88·0
14	15	35	536	422	7	54	114	13	54	18·3	0·4	7	24	17·9	15	35	787	729	23	26	58	440	1	88·0
15	16	36	521	429	8	26	92	13	58	19·2	1·0	7	30	18·2	16	16	809	739	0	0	70	455	1	87·9
16	16	35	502	422	10	46	80	12	56	16·5	-0·6	7	27	17·1	17	3	792	751	1	16	41	307	1	87·6
17 Q	15	17	479	423	9	55	56	13	25	19·4	2·3	6	10	17·1	17	30	770	737	11	18	33	235	0	87·4
18 Q	20	44	485	427	12	5	58	14	29	16·9	2·0	5	38	14·9	16	2	769	740	0	30	29	214	0	87·4
19	16	10	506	434	12	2	72	14	23	21·3	-3·2	3	59	24·5	16	56	802	695	3	16	107	589	1	87·4
20	18	20	482	419	11	20	63	14	4	15·6	1·4	8	18	14·2	6	56	766	731	1	53	35	249	0	87·2
21	19	15	502	411	11	6	91	13	22	19·5	3·8	5	15	15·7	16	53	764	728	12	35	36	295	1	86·1
22 D	17	41	523	362	24	0	161	12	47	17·4	-0·2	23	40	17·6	18	10	799	618	24	0	181	1090	1	85·5
23	21	6	471	361	0	1	110	13	35	16·7	-2·4	0	22	19·1	16	15	770	615	0	5	155	839	1	85·3
24 D	20	39	515	376	22	45	139	13	45	16·8	-7·1	22	39	23·9	14	11	794	492	22	54	302	1609	1	85·6
25 D	16	2	517	152	1	23	365	8	1	21·4	-11·1	1	36	32·5	16	25	824	394	1	22	430	2533	2	85·7
26	20	13	481	425	0	10	56	0	4	14·5	3·4	7	13	11·1	13	52	761	688	0	5	73	421	1	85·4
27	22	6	482	415	12	31	67	2	54	13·6	1·4	6	54	12·2	15	55	761	713	3	30	48	321	1	85·5
28	21	1	481	415	10	44	66	13	49	14·4	2·3	20	55	12·1	20	4	761	740	0	5	21	199	0	85·3
29	19	14	493	423	5	32	70	13	29	13·9	4·4	3	45	9·5	20	11	773	713	7	20	60	385	1	85·0
30 Q	21	21	468	421	11	46	47	13	27	13·1	3·1	2	49	10·0	18	35	762	734	1	36	28	232	0	84·4
31	18	19	496	409	11	20	87	13	34	13·8	3·4	7	25	10·4	17	18	771	739	12	54	32	270	1	84·3
Mean	--	--	495	402	--	--	93	--	--	17·7	0·6	--	--	17·1	--	--	780	704	--	--	75	483	0·65	86·3
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

33. LERWICK (H) 14,000 γ (·14 C.G.S.unit) + AUGUST, 1935

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	461	455	446	453	454	450	446	433	425	425	425	427	442	455	443	458	472	481	466	466	463	458	459	466	451
2	465	461	457	454	452	449	442	431	418	403	394	409	425	441	439	456	454	456	460	458	460	461	458	458	444
3 Q	454	451	453	453	457	457	458	454	447	435	422	421	432	445	456	461	460	462	463	469	468	464	463	461	453
4	460	458	458	459	461	455	449	442	435	428	425	426	429	436	445	453	460	464	472	486	482	473	469	464	454
5	462	454	458	462	463	461	456	445	431	420	420	429	438	447	449	459	457	459	477	481	471	470	471	465	454
6	458	466	461	457	453	450	445	433	425	417	423	425	437	459	472	460	458	474	481	479	481	466	458	449	454
7	437	452	442	449	456	450	444	435	421	412	414	431	445	449	456	469	464	467	466	466	463	458	457	458	448
8	452	453	454	454	452	451	445	440	429	423	425	429	441	437	436	446	457	466	471	469	469	468	467	459	450
9	462	456	458	452	446	448	450	441	434	425	425	431	436	444	445	449	452	461	472	473	468	466	464	463	451
10	455	455	450	449	457	458	455	448	441	437	434	436	438	443	450	459	467	476	474	472	468	464	459	456	454
11	454	458	458	459	456	450	443	438	435	434	436	442	456	456	456	462	464	459	466	469	467	463	460	460	454
12 Q	460	458	454	454	456	452	448	437	434	434	432	430	437	443	447	452	457	464	471	473	471	461	458	457	452
13	453	452	452	454	451	447	442	437	426	417	416	421	438	443	447	445	453	459	465	473	473	466	452	463	448
14 Q	455	455	454	458	452	450	447	440	434	431	434	437	442	450	454	460	461	458	457	464	465	463	462	461	452
15	461	458	454	453	450	448	445	437	424	419	424	442	447	463	482	471	459	462	468	474	469	468	458	457	454
16	459	459	454	457	450	450	450	444	440	432	435	428	449	457	465	463	464	475	477	482	473	457	455	455	455
17 Q	456	457	454	452	448	444	440	436	429	422	424	426	436	448	456	460	460	460	463	467	469	470	467	464	450
18 Q	461	459	459	457	456	451	451	444	439	429	423	424	431	439	443	460	467	473	472	466	468	467	467	467	453
19 D	467	468	467	465	464	466	464	455	442	430	429	426	414	439	434	451	471	476	473	471	471	469	452	448	455
20 D	444	449	456	463	473	453	455	448	424	424	422	421	435	436	447	471	462	478	482	475	472	457	452	439	452
21 D	399	435	444	436	442	450	441	428	413	421	429	427	441	442	450	463	450	471	484	484	474	470	473	459	447
22	435	438	455	455	455	452	447	441	426	404	405	419	426	442	451	471	480	488	470	475	472	452	453	456	449
23	453	427	455	449	446	447	452	444	403	410	421	429	421	436	449	467	457	461	472	472	462	456	451	458	446
24	445	450	451	455	460	460	458	451	438	425	421	424	441	448	447	453	464	464	470	467	467	455	459	469	452
25	468	447	450	450	463	464	467	453	436	430	427	426	428	434	442	450	459	460	463	466	465	466	464	465	452
26	464	463	462	459	454	447	447	444	433	424	424	424	433	444	457	456	466	471	465	465	466	464	462	463	452
27 D	462	459	459	453	453	451	446	435	429	421	421	435	447	458	468	465	470	479	497	479	485	481	484	486	459
28 D	470	464	463	457	459	463	460	442	433	429	425	430	434	447	463	462	492	489	483	468	462	457	455	456	457
29	454	452	447	445	447	447	448	439	423	412	409	417	431	439	454	452	461	464	466	471	473	467	464	467	448
30	470	455	462	455	463	464	465	451	424	415	414	416	422	434	456	455	467	469	464	465	468	464	466	464	452
31	462	461	459	453	464	465	458	441	429	421	423	433	441	447	457	460	462	466	470	471	469	465	463	448	454
Mean	455	454	455	454	455	453	450	442	430	423	423	427	436	445	452	459	463	468	471	471	469	464	461	460	452

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

34. LERWICK (D) 13° + AUGUST, 1935

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

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, 1935

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	731	715	726	743	750	754	755	751	747	747	750	754	752	763	774	774	770	774	782	775	766	760	757	754	755
2	757	759	762	765	766	765	764	762	757	757	749	740	744	760	768	769	772	765	761	762	761	757	755	753	760
3 Q	754	755	753	757	759	761	761	760	754	756	755	751	750	752	755	763	772	768	766	763	761	761	758	755	758
4	755	757	759	761	763	765	764	761	755	753	747	742	746	752	753	757	762	763	760	758	762	762	759	757	757
5	753	753	749	752	754	757	757	758	760	750	743	736	737	743	747	748	756	762	757	762	774	760	755	748	753
6	745	743	752	756	760	760	760	756	755	752	748	745	742	748	769	784	775	767	763	763	760	750	743	744	756
7	701	719	738	743	752	759	763	765	766	763	755	751	755	762	760	762	767	767	764	762	762	764	760	756	755
8	755	750	752	756	760	759	760	758	759	757	751	747	748	756	760	760	758	756	758	759	759	759	759	756	756
9	750	753	755	758	759	750	748	750	750	746	748	747	745	743	745	749	756	757	758	761	763	761	759	758	753
10	752	754	754	756	753	754	757	757	755	749	747	743	742	746	749	751	755	758	766	766	761	762	757	758	754
11	761	762	760	759	759	759	760	760	757	755	756	752	751	754	757	757	763	767	764	762	760	760	761	762	759
12 Q	762	764	765	765	762	761	760	761	758	756	753	750	752	755	757	760	760	757	757	758	760	761	760	760	759
13	761	761	761	761	761	761	760	759	755	753	749	745	743	748	751	753	758	760	756	752	754	757	761	745	755
14 Q	750	755	759	758	762	759	758	757	752	746	742	745	754	759	760	758	760	761	758	755	754	753	753	754	755
15	754	757	759	761	762	761	759	757	752	749	750	749	748	748	754	766	769	766	759	757	758	755	759	758	757
16	756	758	758	758	764	760	755	748	738	737	736	740	742	753	761	772	777	777	774	772	772	761	758	758	758
17 Q	758	760	762	763	763	765	764	761	758	755	750	742	742	747	755	761	765	767	765	761	759	758	758	757	758
18 Q	757	760	761	765	767	768	765	763	758	760	758	753	746	749	757	761	766	770	773	772	767	764	761	758	762
19 D	757	757	759	763	766	764	764	766	764	760	753	751	747	753	770	784	791	797	800	792	780	774	751	737	767
20 D	720	726	723	737	746	757	752	757	762	761	764	765	762	774	772	774	789	787	793	797	789	771	756	732	761
21 D	680	710	733	732	732	753	757	759	767	767	767	769	767	768	765	775	791	787	777	776	776	772	758	718	757
22	685	714	741	756	761	763	766	767	766	767	765	762	767	782	780	784	797	802	792	784	758	762	765	758	764
23	726	704	706	743	756	760	765	767	778	771	766	766	774	769	775	778	784	779	775	779	787	780	776	766	764
24	736	747	748	756	764	768	769	773	775	774	772	768	767	774	778	780	782	785	785	787	781	778	772	767	770
25	742	702	707	694	688	700	714	730	740	748	756	761	765	769	776	778	777	776	773	770	769	767	768	768	747
26	769	769	770	772	772	772	770	769	766	762	760	759	762	764	765	771	770	773	781	776	769	767	768	768	769
27 D	768	768	767	769	770	773	774	772	767	760	759	756	756	762	765	762	758	755	748	769	771	769	765	744	764
28 D	741	754	760	766	766	764	762	764	761	757	756	756	759	761	768	776	776	787	815	797	763	766	767	766	767
29	767	768	769	763	764	769	771	770	767	761	759	758	759	764	769	775	775	774	771	770	766	766	764	760	767
30	743	750	746	762	759	762	767	766	767	762	758	756	757	763	772	786	796	789	779	771	768	767	764	763	766
31	765	765	768	753	746	744	749	758	759	758	757	756	760	765	775	784	781	775	772	772	772	768	763	753	763
Mean	746	747	751	755	757	759	760	760	759	756	754	752	753	758	763	768	772	772	771	770	767	764	760	755	760

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

36. LERWICK — AUGUST, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 46,000 γ +			Minimum 46,000 γ +			Range	HR_H+VR_V § 10,000 γ^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	17	6	495	418	11	10	77	12	35	18·9	2·5	5	51	16·4	18	26	784	712	1	57	72	443	1	84·7
2	0	7	468	391	10	26	77	13	46	16·7	1·5	7	54	15·2	16	5	774	737	11	36	37	284	1	85·4
3 Q	19	40	472	418	11	34	54	13	34	16·3	3·4	7	15	12·9	16	28	774	749	12	20	25	195	0	85·8
4	19	35	494	423	10	30	71	13	4	15·8	3·3	4	55	12·5	5	12	766	741	11	23	25	220	0	86·0
5	19	0	493	415	11	0	78	13	13	16·4	0·6	20	13	15·8	20	20	778	733	11	27	45	323	1	85·9
6	14	56	489	415	9	53	74	13	25	16·8	2·5	0	28	14·3	15	32	790	739	12	45	51	345	1	86·0
7	15	33	471	410	9	35	61	0	22	17·6	0·6	7	6	17·0	16	47	770	682	0	33	88	498	1	86·0
8	22	21	474	420	9	40	54	12	4	14·6	2·4	6	35	12·2	14	46	763	744	12	6	19	167	1	86·4
9	19	11	484	418	10	19	66	13	50	15·8	-0·3	6	33	16·1	20	3	765	741	13	38	24	203	0	86·5
10	17	53	483	425	9	51	58	12	41	13·9	1·6	6	15	12·3	18	50	770	740	12	31	30	224	0	86·6
11	16	34	475	431	8	56	44	12	18	13·7	2·0	6	26	11·7	16	59	769	749	12	36	20	157	0	86·3
12 Q	20	15	476	425	11	5	51	14	5	12·9	2·5	7	6	10·4	3	20	766	749	11	34	17	149	0	86·0
13	19	46	479	413	10	37	66	13	0	17·7	1·4	22	5	16·3	22	6	765	740	13	5	25	217	1	85·5
14 Q	17	0	467	427	9	25	40	12	45	15·3	3·0	7	46	12·3	17	44	763	741	10	44	22	165	0	85·1
15	14	45	500	414	9	22	86	12	49	18·9	2·2	6	8	16·7	16	43	771	746	13	23	25	242	1	85·4
16	19	16	492	417	11	4	75	13	34	15·6	-5·4	20	35	21·0	16	16	780	733	10	33	47	323	1	85·6
17 Q	22	29	475	420	9	21	55	13	13	17·3	2·4	4	44	14·9	18	0	768	741	12	6	27	206	0	85·8
18 Q	17	32	476	421	10	24	55	13	50	17·4	2·6	6	57	14·8	18	55	775	744	13	0	31	220	0	86·5
19 D	17	15	484	386	12	18	98	13	4	21·3	-3·8	22	23	25·1	18	57	804	724	24	0	80	515	1	86·5
20 D	17	49	491	415	24	0	76	13	29	16·9	-0·8	3	36	17·7	19	24	799	717	2	11	82	487	1	86·9
21 D	19	12	490	390	0	30	100	13	29	16·9	-7·0	1	19	23·9	16	46	793	663	0	29	130	741	1	87·4
22	17	19	499	399	9	36	100	12	28	19·3	-2·7	0	46	22·0	17	17	806	670	0	36	136	769	1	87·5
23	19	36	477	387	8	40	90	24	0	16·8	-0·6	2	47	17·4	20	28	790	679	1	58	111	648	1	87·6
24	19	1	476	415	10	57	61	0	2	17·0	2·1	6	8	14·9	19	43	788	727	0	20	61	372	1	87·8
25	5	59	475	423	11	2	52	1	0	17·2	-9·7	3	19	26·9	16	6	779	682	4	6	97	532	1	87·6
26	17	6	475	416	10	20	59	12	37	13·7	1·9	18	36	11·8	18	40	785	758	10	38	27	216	0	87·1
27 D	18	47	522	419	9	31	103	18	46	16·2	1·6	6	40	14·6	20	1	787	721	23	45	66	457	1	86·8
28 D	16	47	503	421	10	17	82	11	44	14·6	-0·1	20	6	14·7	18	38	828	736	0	0	92	552	1	86·3
29	20	34	477	408	10	0	69	14	2	15·3	0·6	7	3	14·7	16	32	777	756	23	50	21	198	0	86·0
30	0	20	477	407	11	5	70	13	11	16·7	1·1	6	25	15·6	16	37	800	738	0	29	62	390	1	86·2
31	16	11	475	418	9	45	57	24	0	17·0	0·7	7	54	16·3	15	50	787	738	24	0	49	311	1	86·3
Mean	--	--	483	414	--	--	70	--	--	16·5	0·4	--	--	16·1	--	--	781	728	--	--	53	347	0·65	86·3
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

37. LERWICK (H) 14,000 γ (·14 C.G.S.unit) + SEPTEMBER, 1935

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	440	454	434	422	461	454	455	447	438	431	426	426	434	443	449	453	461	467	468	468	467	466	465	462	450
2 Q	458	457	455	455	453	451	445	440	432	425	424	428	437	446	449	455	457	461	463	466	467	465	464	463	451
3	461	458	455	451	457	452	451	445	433	423	423	430	435	450	456	451	459	459	466	470	469	459	460	462	451
4	460	456	458	455	454	453	447	438	427	418	415	413	428	442	461	469	468	461	466	472	468	466	448	447	450
5	456	454	449	437	454	454	450	439	432	421	415	420	430	450	458	466	469	468	462	463	470	457	455	453	449
6	448	452	451	452	452	451	449	438	429	417	409	415	430	447	453	442	452	451	457	459	461	464	459	454	445
7	460	459	457	451	461	459	451	442	428	417	408	405	414	429	437	453	447	455	466	466	463	461	461	461	446
8 Q	467	449	447	452	452	447	448	443	431	418	412	413	426	436	448	456	458	461	461	460	459	458	458	458	447
9	460	459	452	452	451	448	447	443	436	429	426	429	433	441	447	460	465	471	475	473	458	438	442	453	449
10	453	449	434	433	449	452	442	437	423	412	403	426	429	438	453	452	463	479	485	458	454	461	431	414	443
11 D	454	446	471	490	455	458	456	434	426	435	441	444	473	493	445	478	523	543	531	457	458	463	413	253	456
12 D	105	169	261	244	340	358	415	425	424	421	419	422	426	435	444	453	456	462	453	452	466	445	445	441	391
13 Q	436	431	431	436	439	441	437	432	426	418	413	420	428	437	446	452	449	447	450	451	451	449	447	442	438
14	441	441	440	444	443	442	435	428	419	418	417	418	431	442	449	453	448	450	457	461	464	463	443	431	441
15	438	453	448	447	449	447	443	432	420	409	413	421	428	443	473	497	478	457	449	456	446	439	442	412	443
16	422	445	442	430	449	448	440	417	414	418	421	419	427	432	442	449	453	444	465	461	453	439	426	397	436
17	369	354	444	447	447	439	451	409	408	404	406	410	421	432	473	446	451	471	460	441	425	438	432	437	430
18 D	413	423	439	447	458	458	446	411	400	387	381	400	413	467	463	443	437	442	446	450	449	444	453	440	434
19	435	432	442	409	451	433	416	418	425	404	394	403	410	426	425	440	436	446	457	459	419	407	400	379	424
20	407	436	437	440	446	441	443	441	433	424	418	421	424	433	441	444	443	442	447	449	450	451	451	453	438
21 Q	452	451	448	445	446	445	444	440	434	425	419	419	429	431	435	437	444	444	446	451	452	448	447	446	441
22 Q	448	447	447	445	447	448	446	440	431	421	416	417	420	426	434	439	442	451	457	458	455	452	450	452	441
23 D	450	452	453	450	452	460	463	451	426	409	403	406	398	444	448	550	548	554	524	448	385	289	188	274	430
24	262	246	337	407	385	434	438	431	425	416	416	417	420	425	445	462	482	476	479	482	475	459	447	437	421
25 D	439	428	397	353	372	428	421	393	349	349	391	409	433	431	472	473	480	482	440	433	436	451	428	391	420
26	397	434	420	360	422	400	400	420	416	409	406	401	409	429	469	473	449	431	435	438	447	439	439	443	424
27	442	442	433	426	439	443	438	413	392	387	397	413	425	436	429	437	437	441	445	444	442	445	444	433	430
28	425	436	438	440	439	439	425	419	410	408	409	417	417	414	423	430	431	436	438	445	447	446	449	448	430
29	441	445	432	437	444	449	446	436	436	418	403	399	416	421	432	438	445	446	454	447	443	435	432	443	435
30	445	443	439	437	441	440	440	433	411	399	392	400	427	419	448	472	469	464	461	441	433	398	321	336	425
Mean	423	427	433	430	440	442	441	431	421	413	411	416	426	438	448	457	460	462	462	456	451	443	431	424	437

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

38. LERWICK (D) 13° + SEPTEMBER, 1935

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

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, 1935

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	667	703	732	705	708	749	757	762	762	757	757	752	751	756	760	761	763	763	765	765	765	764	763	763	748
2 Q	764	765	757	768	771	773	771	769	767	763	760	756	752	753	756	757	763	767	767	767	766	765	764	763	764
3	762	763	765	766	760	765	765	763	760	759	756	747	743	745	752	760	770	773	768	767	767	772	766	761	761
4	760	762	759	765	767	770	772	772	766	757	752	752	748	749	753	759	770	770	766	784	777	762	743	742	762
5	747	757	759	742	729	743	752	757	759	759	759	753	750	753	760	763	770	777	776	770	756	755	754	754	756
6	754	752	756	759	760	762	762	765	763	768	766	760	759	762	768	779	781	773	766	765	766	763	763	767	764
7	765	764	761	749	742	754	761	763	763	759	757	756	754	756	763	789	797	791	777	770	768	764	756	754	764
8 Q	729	733	751	757	758	760	756	756	759	761	759	755	753	755	758	762	765	763	763	761	761	760	760	759	756
9	758	753	757	757	757	756	750	755	756	753	751	748	747	750	753	755	754	753	751	754	763	750	758	758	754
10	760	760	756	734	743	750	754	753	753	750	750	745	753	757	759	766	760	756	773	807	789	760	702	681	753
11 D	676	706	738	733	741	737	739	745	737	734	734	734	731	776	809	799	821	825	834	806	755	602	599	593	738
12 D	542	509	531	536	550	554	638	732	748	757	761	757	759	763	767	774	780	783	780	772	758	758	752	750	700
13 Q	756	758	753	756	764	768	771	769	766	761	762	761	762	766	770	775	781	783	774	768	766	764	764	766	766
14	765	766	764	763	768	769	771	768	766	761	760	758	756	757	765	773	777	772	768	769	768	743	745	745	763
15	732	732	755	765	769	771	770	769	767	766	762	759	762	779	802	837	838	821	802	791	789	767	676	677	769
16	697	710	726	734	724	759	769	773	769	761	758	756	764	776	784	799	800	799	786	796	788	781	763	715	762
17	685	633	676	723	733	724	719	739	742	749	753	762	766	777	795	846	813	799	821	818	780	759	751	725	754
18 D	674	638	715	728	707	708	725	747	770	776	788	794	817	838	877	817	794	790	792	791	788	777	727	723	763
19	733	721	701	717	705	720	737	741	758	772	782	780	777	779	781	790	783	775	776	785	752	713	720	709	750
20	721	723	733	753	758	763	766	770	772	774	774	772	766	762	762	767	768	769	768	768	769	769	769	768	762
21 Q	767	768	769	768	767	767	769	771	772	772	771	767	764	765	769	774	779	785	783	778	775	773	768	763	771
22 Q	759	766	767	768	766	766	767	768	769	769	765	757	754	756	760	765	764	764	764	764	769	771	769	766	765
23 D	767	765	763	758	752	749	749	751	758	755	752	752	763	772	804	835	864	905	941	886	820	763	659	647	780
24	641	656	676	722	693	738	764	769	766	767	765	764	767	765	769	780	809	833	846	884	870	827	809	781	769
25 D	749	720	694	654	637	706	736	741	768	806	794	810	807	808	812	862	841	841	825	806	786	753	731	695	766
26	686	735	742	680	649	696	712	726	753	758	760	766	779	799	818	816	817	789	774	769	764	763	760	755	753
27	739	743	750	748	732	733	736	747	760	761	759	771	780	787	786	788	798	797	788	787	781	769	759	746	764
28	705	733	754	762	767	764	763	752	756	753	761	768	776	793	808	825	806	791	786	773	769	769	764	760	769
29	756	722	717	733	742	749	756	761	758	764	766	767	764	773	777	785	786	780	776	776	769	741	708	743	757
30	760	764	766	756	737	727	730	731	740	750	758	759	767	788	793	825	875	856	862	838	793	711	658	607	765
Mean	726	726	735	735	732	742	750	756	760	762	762	761	763	771	780	789	793	791	791	788	776	756	739	731	759

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

40. LERWICK SEPTEMBER, 1935

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	10,000 γ^2		
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	17	55	472	400	3	15	72	0	15	27·2	-3·1	2	6	30·3	18	5	768	629	0	28	139	752	1	86·5
2 Q	19	55	469	422	9	50	47	13	59	14·6	3·4	7	19	11·2	5	47	773	750	12	42	23	175	0	86·6
3	19	19	472	418	9	49	54	13	43	18·3	2·4	5	1	15·9	21	35	776	741	12	34	35	241	0	86·5
4	19	4	502	405	11	28	97	12	55	16·1	-6·9	22	45	23·0	19	47	800	737	22	37	63	430	1	86·0
5	17	8	478	413	10	44	65	13	27	14·9	-1·7	4	27	16·6	18	9	780	720	4	12	60	383	1	85·5
6	21	51	475	401	10	33	74	12	5	18·5	2·5	6	36	16·0	15	55	785	749	1	7	36	289	1	85·2
7	14	31	474	402	11	2	72	12	34	18·2	-0·3	6	38	18·5	17	2	801	734	3	55	67	426	1	84·8
8 Q	0	10	481	409	11	6	72	12	53	13·0	2·5	4	23	10·5	16	40	767	723	0	24	44	318	0	84·2
9	18	55	482	425	10	41	57	13	30	12·0	-2·3	21	24	14·3	20	52	770	739	21	46	31	227	1	83·6
10	19	17	501	387	10	0	114	13	4	17·1	-5·1	22	55	22·2	19	15	827	669	24	0	158	901	1	83·7
11 D	18	1	737	145	23	50	592	13	39	28·4	-26·8	22	36	55·2	18	0	939	544	23	48	395	2703	2	83·7
12 D	20	10	481	-27	0	31	508	5	12	29·8	-33·1	3	16	62·9	17	36	785	438	3	9	347	2345	2	83·9
13 Q	15	31	454	410	10	38	44	14	38	12·3	1·0	4	5	11·3	17	16	785	750	2	38	35	218	0	84·2
14	20	55	495	414	23	53	81	13	15	14·8	-2·0	21	22	16·8	16	24	779	740	22	55	39	299	1	84·5
15	15	21	524	389	23	44	135	12	50	18·6	-11·4	23	15	30·0	15	42	867	651	22	45	216	1203	1	84·8
16	20	13	474	380	23	56	94	13	14	19·3	-7·9	24	0	27·2	17	15	804	692	0	18	112	654	1	85·0
17	14	34	510	279	1	21	231	14	41	20·6	-13·0	2	24	33·6	15	41	859	611	1	32	248	1486	1	85·1
18 D	13	57	490	373	10	3	117	13	51	19·7	-10·5	22	2	30·2	14	22	900	613	1	9	287	1512	1	84·9
19	19	48	475	358	23	15	117	20	36	17·7	-12·5	23	5	30·2	19	32	797	688	21	1	109	678	1	84·6
20	23	30	454	397	0	0	57	12	55	12·1	-4·7	0	16	16·8	10	14	778	714	1	25	64	386	1	84·4
21 Q	0	55	457	417	10	47	40	12	45	12·6	3·1	8	55	9·5	17	16	788	758	24	0	30	198	0	84·0
22 Q	19	44	467	415	11	1	52	13	8	12·4	3·8	21	5	8·6	20	59	773	753	12	14	20	173	0	83·8
23 D	15	29	634	89	22	40	545	15	36	31·3	-17·8	22	14	49·1	18	29	967	573	22	37	394	2626	2	83·5
24	16	58	504	161	1	44	343	17	21	19·7	-23·1	0	35	42·8	19	25	891	623	1	28	268	1751	2	83·2
25 D	17	47	513	283	3	49	230	9	29	24·4	-15·5	2	20	39·9	15	30	895	611	4	5	284	1661	1	83·0
26	14	55	506	320	3	29	186	3	15	16·1	-2·4	8	8	18·5	14	47	825	617	4	5	208	1244	1	82·4
27	18	44	456	384	9	6	72	9	44	16·8	-0·2	22	30	17·0	16	58	801	729	4	22	72	440	1	82·1
28	23	11	457	404	9	2	53	12	43	16·5	-0·5	0	50	17·0	15	29	827	688	0	22	139	725	1	82·5
29	1	17	463	396	11	17	67	12	59	13·7	-8·9	22	6	22·6	16	40	787	695	22	24	92	526	1	82·8
30	15	24	508	242	23	24	266	14	28	21·6	-13·4	22	16	35·0	16	20	897	541	23	25	356	2045	2	83·0
Mean	--	--	496	344	--	--	152	--	--	18·3	-6·8	--	--	25·1	--	--	820	674	--	--	146	901	0·97	84·3
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.

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, 1935

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	452	452	447	443	442	419	425	406	404	418	426	419	421	424	433	441	450	456	458	465	467	457	449	453	439
2	448	448	445	444	445	445	446	441	434	423	414	411	416	427	435	442	449	459	469	450	457	456	461	440	442
3 Q	441	444	444	441	441	442	443	444	438	428	413	408	415	427	436	440	441	445	451	454	450	445	445	448	439
4	444	446	446	446	450	451	452	450	443	432	424	416	419	429	439	444	457	452	460	453	451	450	453	452	444
5 Q	450	454	447	447	447	447	445	440	433	423	416	414	415	421	436	445	450	454	454	455	453	450	450	449	441
6 Q	448	448	448	448	450	451	449	444	434	424	417	415	422	428	438	445	450	451	457	458	459	458	458	459	444
7	459	443	445	447	450	451	451	447	439	432	427	400	417	433	441	446	448	451	453	456	458	458	442	443	443
8	443	443	445	445	446	448	449	441	430	419	416	417	425	438	437	444	451	448	455	448	452	453	465	447	442
9 Q	436	438	445	444	443	444	443	438	431	421	416	408	420	429	439	441	450	448	450	449	450	449	449	448	439
10	445	441	441	439	443	441	443	442	434	424	420	417	422	426	436	444	438	441	444	437	443	455	446	442	438
11 D	442	440	440	442	443	446	448	447	443	434	426	428	437	444	443	460	453	460	462	430	435	428	422	422	441
12	406	439	434	437	440	441	441	438	428	420	414	413	416	424	433	442	445	448	450	450	450	448	450	450	436
13 Q	450	444	445	444	443	443	446	446	439	428	421	413	411	423	433	438	444	451	453	456	451	452	453	453	441
14	453	456	456	458	452	470	467	447	435	424	411	397	402	420	430	440	444	444	448	448	438	435	447	450	441
15	445	429	441	439	439	441	449	449	442	425	408	400	403	423	444	432	449	444	440	448	417	416	436	447	434
16	445	445	443	451	429	434	453	435	424	413	408	407	419	435	434	440	438	444	436	435	436	442	444	444	435
17	445	438	441	436	442	452	439	443	427	404	393	389	395	419	440	439	457	440	448	448	437	420	417	437	431
18	442	386	431	447	451	436	428	421	435	428	418	412	424	434	438	445	448	447	438	433	439	440	442	446	434
19	452	442	440	445	448	451	454	448	436	422	413	407	412	425	432	439	443	444	444	446	440	437	444	450	438
20 D	441	436	439	443	444	450	452	445	440	435	422	415	472	489	525	515	475	450	444	403	327	297	406	417	437
21 D	419	429	425	422	425	427	406	429	406	397	393	421	414	439	435	433	438	449	439	423	413	392	373	347	416
22	428	428	387	390	410	421	437	428	421	409	405	412	404	409	433	432	436	432	435	437	454	435	436	435	423
23	434	431	424	429	436	443	440	437	429	419	410	411	414	422	430	434	437	439	444	442	444	445	443	442	432
24 D	444	437	437	440	444	445	437	387	367	383	392	433	442	449	593	609	419	411	424	419	415	413	416	415	436
25	414	411	419	423	428	424	422	421	413	402	397	398	405	415	425	435	436	442	445	458	459	385	321	404	417
26	428	425	426	426	433	433	433	431	424	415	407	406	409	416	419	428	435	440	440	441	441	440	440	437	428
27 D	435	432	433	435	448	447	452	436	442	435	418	423	420	422	433	455	486	498	524	589	452	360	393	391	444
28	382	434	436	421	426	426	425	417	423	416	405	404	410	421	431	437	443	432	438	423	433	431	436	433	424
29	433	428	419	429	435	437	438	436	430	406	403	416	418	419	422	437	429	424	428	424	435	436	435	435	427
30	433	424	418	427	444	432	418	405	411	406	412	422	434	431	461	453	444	430	427	425	433	434	431	434	429
31	433	438	434	439	434	426	420	397	397	397	410	424	414	439	444	431	441	440	442	449	445	445	451	440	430
Mean	438	436	436	438	440	441	440	433	427	418	412	412	418	429	443	449	446	446	448	447	440	431	434	436	435

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

42. LERWICK (D) 13° + OCTOBER, 1935

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

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, 1935

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	723	751	760	767	763	764	745	745	746	751	761	760	761	763	763	765	767	767	769	766	770	798	782	771	762
2	770	770	771	771	770	769	768	771	771	770	769	765	760	756	758	763	767	767	769	781	772	768	732	711	764
3 Q	748	759	764	767	768	768	768	767	767	767	765	758	753	753	758	763	767	769	768	769	771	774	771	769	765
4	769	765	766	767	767	768	769	771	772	772	769	768	763	760	760	765	768	771	770	778	779	772	768	767	769
5 Q	767	760	758	759	761	765	767	768	770	770	770	763	759	757	756	761	765	766	767	767	768	768	767	767	764
6 Q	766	765	765	765	764	765	766	769	771	771	769	764	760	759	759	760	760	761	762	764	764	765	766	766	764
7	747	751	759	762	762	762	764	766	767	764	763	769	767	765	766	768	767	765	766	770	771	778	771	770	765
8	772	773	771	769	767	766	766	768	769	770	769	767	766	767	771	775	771	771	773	769	767	768	752	752	768
9 Q	761	756	750	763	765	764	763	764	767	769	768	771	770	770	766	767	768	770	769	768	765	768	769	768	766
10	766	766	761	738	737	751	756	758	763	766	767	766	765	770	781	793	811	824	791	784	772	764	758	767	770
11 D	768	769	769	769	766	764	761	761	760	759	760	757	756	764	781	836	827	849	803	791	793	788	768	756	778
12	706	682	741	759	764	765	765	764	763	762	758	759	760	763	767	768	769	767	765	763	761	760	761	762	756
13 Q	764	766	758	751	761	764	763	762	763	763	763	763	765	765	765	770	770	767	765	763	764	762	762	762	763
14	765	764	765	764	751	728	735	745	757	764	766	768	761	761	766	772	779	776	775	775	776	742	751	755	761
15	759	740	667	712	738	737	748	760	767	769	769	774	777	767	785	806	792	802	810	785	759	752	754	749	762
16	747	753	763	746	742	716	729	741	751	764	769	768	762	772	799	811	803	799	791	782	776	771	767	765	766
17	752	752	758	762	761	758	764	764	770	775	775	778	775	778	783	810	811	805	791	780	775	761	705	699	768
18	712	659	655	721	736	744	746	752	745	751	757	761	760	760	764	767	771	783	809	804	785	776	770	763	752
19	740	750	761	761	762	763	763	767	771	771	769	772	772	770	770	769	769	770	774	775	771	767	758	723	764
20 D	727	739	749	755	759	759	762	768	770	762	765	777	827	844	885	906	908	880	854	776	661	643	699	710	779
21 D	730	744	763	767	767	761	755	763	773	785	792	811	820	808	802	797	821	819	816	796	757	708	616	648	767
22	732	753	720	693	719	727	755	761	770	776	785	799	805	802	791	804	810	798	796	786	753	744	748	756	766
23	758	756	749	738	753	760	766	774	778	781	778	773	772	773	775	774	772	769	767	770	769	765	766	764	767
24 D	753	752	758	762	764	764	765	764	761	763	777	821	884	850	877	930	894	824	816	812	787	778	779	778	801
25	780	773	757	767	772	772	774	777	780	781	781	779	780	782	782	778	775	773	774	784	831	780	686	667	770
26	720	754	761	768	773	774	774	774	776	775	776	778	778	778	781	781	776	774	774	772	771	770	769	770	771
27 D	771	768	758	751	753	763	759	760	748	750	756	758	769	794	819	849	893	901	890	956	878	827	750	715	797
28	725	707	730	736	750	764	773	779	780	784	785	786	787	785	786	789	798	847	871	820	792	787	764	774	779
29	774	775	767	754	762	771	772	774	773	779	779	779	786	791	800	816	821	809	804	803	790	783	778	773	784
30	765	759	741	722	730	742	731	735	760	776	789	791	802	820	835	877	880	856	816	805	789	774	771	767	785
31	766	762	758	754	759	750	740	752	756	764	772	780	805	807	827	822	790	780	776	769	770	769	761	747	772
Mean	752	751	751	753	757	758	759	763	766	769	771	774	778	779	786	797	798	796	792	787	774	765	752	749	770

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

44. LERWICK — OCTOBER, 1935

Day	Terrestrial Magnetic Elements																					HR_H+VR_V §	Magnetic Character of Day	Temperature in Magnet House
	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	10,000 γ^2	(0-2)	200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	20	45	475	396	7	25	79	8	33	17·2	1·6	0	0	15·6	21	35	808	680	0	0	128	711	1	83·3
2	22	26	484	406	23	5	78	13	29	11·8	-6·6	23	34	18·4	19	17	785	690	22	53	95	556	1	83·0
3 Q	19	15	455	407	11	45	48	12	57	12·3	-3·1	0	0	15·4	21	31	775	734	0	0	41	261	0	82·7
4	16	23	464	413	12	16	51	13	18	13·3	-1·4	20	0	14·7	19	37	784	758	14	9	26	195	1	82·9
5 Q	1	47	462	410	11	38	52	14	32	12·1	2·1	7	38	10·0	10	2	772	751	1	52	21	173	0	82·6
6 Q	23	1	462	414	11	7	48	14	12	11·2	2·2	9	19	9·0	9	35	772	759	14	25	13	131	0	82·7
7	0	24	484	384	11	26	100	11	49	17·6	-11·4	21	14	29·0	21	9	793	734	0	42	59	420	1	82·1
8	22	8	477	413	11	10	64	13	15	14·8	-2·4	18	17	17·2	18	8	778	748	23	0	30	233	1	82·1
9 Q	21	6	455	401	11	16	54	14	6	11·6	1·5	0	6	10·1	11	43	774	745	2	12	29	213	1	81·9
10	21	49	487	416	11	50	71	13	35	13·9	-16·0	17	59	29·9	17	13	827	728	3	50	99	564	1	81·5
11 D	18	25	516	411	24	0	105	16	27	19·8	-15·7	18	23	35·5	17	23	876	746	23	24	130	758	1	81·0
12	1	28	455	372	0	46	83	14	56	10·8	-3·6	1	15	14·4	15	20	770	666	1	25	104	605	1	80·5
13 Q	19	9	461	403	12	11	58	13	27	10·7	0·5	3	58	10·2	16	6	771	748	3	40	23	191	0	80·2
14	5	45	488	390	12	9	98	13	3	14·4	-6·3	21	26	20·7	20	40	783	720	5	39	63	436	1	80·6
15	13	52	475	389	20	35	86	1	45	20·4	-16·0	19	32	36·4	17	53	822	651	2	16	171	922	1	81·2
16	17	52	468	394	4	55	74	5	8	18·1	-11·6	18	38	29·7	14	57	815	704	5	32	111	624	1	81·4
17	18	53	473	378	11	56	95	13	10	17·1	-7·3	18	47	24·4	15	40	827	693	23	25	134	762	1	81·6
18	17	11	454	358	1	34	96	1	39	21·5	0·0	18	11	21·5	18	43	823	598	1	54	225	1188	1	81·0
19	22	56	473	399	11	24	74	12	46	13·7	-11·9	19	35	25·6	18	47	781	722	23	48	59	382	1	80·2
20 D	14	54	585	257	21	7	328	13	17	28·9	-21·4	20	21	50·3	14	49	950	614	21	30	336	2042	2	80·0
21 D	17	52	473	262	23	10	211	13	45	14·9	-37·4	18	14	52·3	17	44	843	557	23	6	286	1639	1	79·0
22	20	33	484	332	3	5	152	12	49	14·1	-5·3	20	30	19·4	16	50	813	671	3	12	142	882	1	78·0
23	21	11	452	405	11	55	47	2	45	12·2	-0·5	20	5	12·7	9	35	783	733	3	14	50	301	1	77·4
24 D	14	48	784	354	8	8	430	15	35	31·1	-0·7	11	55	31·8	14	46	954	749	0	40	205	1578	2	78·1
25	20	16	485	281	22	56	204	19	24	13·6	-24·3	23	20	37·9	20	50	839	642	22	47	197	1214	1	79·0
26	22	34	447	403	10	54	44	13	8	8·6	-12·4	0	0	21·0	14	46	782	687	0	0	95	507	1	79·3
27 D	19	6	697	231	21	47	466	19	18	33·6	-25·0	22	4	58·6	19	35	1032	690	22	7	342	2270	2	79·5
28	18	15	484	346	0	47	138	15	4	13·7	-9·2	1	40	22·9	18	26	883	685	1	13	198	1123	1	79·1
29	15	49	456	397	9	55	59	13	54	13·6	-5·8	15	47	19·4	16	14	830	752	3	41	78	449	1	78·9
30	14	40	469	395	7	53	74	15	3	20·2	0·3	4	50	19·9	15	52	905	717	3	20	188	983	1	78·9
31	19	24	470	391	8	52	79	12	9	21·2	-4·1	22	32	25·3	14	57	856	735	6	32	121	679	1	78·4
Mean	--	--	492	374	--	--	118	--	--	16·4	-8·1	--	--	24·5	--	--	826	703	--	--	123	742	0·97	80·6
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, 1935

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	436	437	433	431	423	436	444	445	441	431	422	427	428	433	441	436	441	448	445	444	446	445	444	444	438
2	435	432	427	427	436	446	450	445	437	427	423	416	423	426	436	441	449	447	439	440	419	435	437	423	434
3	401	432	435	432	433	437	432	439	435	425	419	417	424	431	437	438	428	444	442	447	455	443	450	455	435
4 Q	439	439	438	439	440	441	445	441	437	428	421	418	422	424	431	438	443	445	446	446	446	448	447	444	438
5 D	445	442	443	440	444	444	447	448	441	428	421	426	428	429	438	453	453	447	435	417	436	438	464	396	438
6	418	430	403	364	418	439	430	416	434	422	412	412	418	427	431	439	442	442	443	444	444	445	444	444	428
7	442	440	438	442	444	443	444	441	434	428	423	420	421	429	436	441	445	447	446	435	429	436	439	441	437
8	438	434	441	442	442	448	454	445	436	427	416	417	423	427	436	434	433	434	442	446	445	443	448	446	437
9	445	445	445	446	448	448	448	446	439	432	418	420	428	435	438	441	444	449	450	454	452	449	438	439	442
10 Q	440	438	440	442	442	444	443	440	435	427	425	427	429	435	439	441	444	453	452	451	451	453	452	453	441
11	449	448	446	448	450	452	450	449	449	442	441	436	423	434	441	445	454	447	452	443	438	436	436	435	443
12 D	440	427	444	443	419	458	457	435	426	431	423	417	401	424	456	456	504	463	438	435	434	430	419	445	439
13 D	378	400	424	427	429	423	440	438	429	424	407	411	418	418	427	439	434	433	442	432	436	441	438	424	425
14 D	425	430	436	430	437	447	420	421	434	430	417	409	410	414	427	438	436	413	416	419	417	392	426	435	<u>424</u>
15	432	432	436	430	429	431	433	436	432	425	417	412	415	422	431	438	441	440	440	440	441	441	440	440	432
16	439	439	439	440	442	443	442	441	439	427	420	422	425	435	435	435	435	442	446	447	438	435	434	432	436
17 Q	433	430	428	430	433	436	441	440	440	436	430	430	431	430	436	440	445	452	441	440	446	448	446	446	438
18	443	442	442	442	442	441	442	441	438	433	427	426	431	436	441	446	441	445	449	449	449	453	440	455	441
19	435	430	433	435	441	450	451	437	424	428	416	406	415	419	427	432	438	437	440	443	441	447	436	441	433
20	439	440	439	440	441	444	442	442	436	421	421	424	421	427	414	427	435	439	440	436	437	451	444	442	435
21	441	438	438	441	436	437	446	439	440	432	426	425	428	431	434	427	431	442	444	443	443	444	444	443	437
22	442	441	441	443	443	444	442	441	439	437	432	427	433	438	439	436	442	437	442	437	439	440	441	447	439
23	444	440	440	441	446	447	439	440	442	435	431	427	431	435	434	435	439	440	441	444	444	445	445	445	440
24	446	446	445	446	445	445	447	448	448	446	444	446	445	446	447	449	450	453	452	443	443	449	447	445	447
25 Q	444	444	445	445	447	449	448	446	448	444	441	440	442	444	447	449	449	449	449	448	448	447	442	438	446
26 Q	436	435	443	442	442	444	444	443	441	436	433	431	434	439	441	443	445	446	447	451	447	438	441	442	441
27 D	439	440	441	441	444	446	445	449	445	443	442	442	442	443	451	453	444	444	457	479	436	443	440	438	445
28	434	433	431	434	439	441	441	439	439	434	433	429	425	425	432	432	431	430	426	433	432	439	440	442	434
29	441	439	438	442	452	456	459	454	454	452	442	442	444	446	445	446	448	452	453	454	461	468	446	440	<u>449</u>
30	436	437	436	441	441	426	445	458	448	434	415	422	436	438	439	442	446	443	448	442	437	425	446	435	<u>438</u>
Mean	435	436	437	436	439	443	<u>444</u>	441	439	432	425	<u>424</u>	427	431	437	440	444	443	443	443	441	442	442	440	438

MAGNETIC DECLINATION (WEST)

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

46. LERWICK (D) — 13° + — NOVEMBER, 1935

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	3·2	4·6	4·1	3·2	3·0	5·0	5·4	4·8	6·1	7·2	7·4	8·8	10·1	10·6	10·3	8·4	6·5	7·0	6·1	5·2	5·3	4·1	2·3	3·4	<u>5·9</u>
2	3·2	2·2	2·9	3·7	4·1	4·2	1·5	2·3	3·4	3·5	6·1	7·9	10·0	10·1	8·4	7·6	8·5	10·2	4·9	-3·6	-2·0	-1·3	-0·5	-5·0	3·8
3	10·1	3·7	1·4	1·2	1·6	0·1	2·2	1·4	0·6	1·9	4·1	7·2	8·3	8·8	8·0	7·6	4·0	2·1	7·9	5·7	4·2	1·8	-0·7	0·5	3·9
4 Q	1·7	4·3	4·7	4·1	3·6	2·9	2·4	1·9	2·2	3·2	5·4	7·1	8·6	8·8	8·2	7·0	6·5	6·0	5·8	5·6	5·0	4·0	4·0	3·6	4·9
5 D	3·6	5·6	7·2	4·6	3·9	3·1	2·6	3·0	3·1	3·2	3·7	7·9	10·3	12·6	9·2	12·0	-6·0	3·0	-9·9	-1·3	0·7	-3·9	-2·3	-1·7	3·1
6	-4·2	2·1	4·1	13·0	7·6	2·3	5·6	7·6	5·9	5·8	5·3	7·3	8·0	8·5	7·8	6·5	5·6	5·2	5·1	4·7	4·3	4·2	4·2	4·6	5·5
7	4·2	4·1	4·6	4·7	4·1	3·3	2·8	2·6	2·5	4·1	7·3	8·2	8·6	8·2	7·2	6·0	5·1	5·0	4·7	1·8	0·3	1·7	1·6	1·7	4·3
8	5·1	6·9	7·5	4·4	3·2	3·1	2·7	2·6	2·2	3·5	4·6	7·1	8·9	8·5	7·7	5·1	4·5	7·7	5·6	5·3	-0·1	4·1	5·1	5·2	5·0
9	5·2	5·3	5·2	4·8	4·2	3·8	3·4	3·0	2·7	4·1	6·0	8·2	8·3	8·7	7·4	6·4	5·7	5·5	5·1	5·5	5·5	4·9	-0·1	1·8	5·0
10 Q	3·8	3·9	3·9	3·6	3·6	3·5	3·0	3·2	3·3	4·5	6·0	6·6	7·0	7·1	6·3	6·1	6·0	6·0	6·0	5·7	5·0	4·2	4·2	4·5	4·9
11	4·6	4·3	4·2	4·2	3·9	3·4	3·5	3·4	4·0	4·8	6·8	8·5	9·6	9·9	7·6	7·2	7·1	7·3	5·0	6·8	0·9	0·7	-0·4	-5·0	4·7
12 D	1·5	4·2	3·9	2·1	10·5	9·1	3·2	5·9	7·1	5·4	7·6	10·6	9·8	10·3	13·5	9·1	7·3	9·6	5·8	5·2	2·7	0·7	0·4	-15·9	5·4
13 D	-18·5	-3·9	3·5	2·2	3·1	5·9	6·4	4·9	2·3	4·0	4·3	4·4	6·8	7·1	6·8	0·9	3·0	-1·2	2·9	5·4	3·1	-3·0	-6·5	-4·4	<u>1·6</u>
14 D	-0·3	5·9	4·7	6·4	5·5	6·2	9·2	9·4	8·1	6·2	5·0	6·0	6·7	6·0	5·5	6·7	2·4	0·7	7·0	-0·6	-3·6	-0·6	0·0	0·1	4·3
15	3·7	2·6	1·7	4·2	3·4	2·7	1·9	1·7	2·2	2·7	4·2	5·8	7·0	7·7	7·6	7·0	5·9	5·1	4·3	4·1	3·7	3·8	3·8	3·9	4·2
16	4·1	4·2	4·1	4·2	4·2	4·1	3·8	3·2	3·0	3·7	5·3	6·8	8·0	8·8	7·9	8·0	8·6	6·5	6·6	6·0	2·5	3·8	1·8	-1·0	4·9
17 Q	-0·6	1·1	2·7	2·6	2·0	2·1	2·5	3·3	3·7	3·7	4·2	5·9	7·0	6·6	6·3	5·7	5·1	5·3	4·0	4·8	4·7	4·4	4·2	4·6	4·0
18	4·5	4·3	4·5	3·9	4·2	3·0	2·7	3·0	3·2	4·2	5·6	6·7	8·0	8·0	7·8	8·1	8·1	-0·2	5·1	5·3	4·8	4·7	1·3	-10·1	4·2
19	0·9	2·6	2·1	5·6	4·3	2·4	4·5	6·1	6·5	6·2	7·9	9·9	10·3	10·7	9·5	7·8	5·3	5·2	3·9	4·5	4·0	-6·6	-1·6	2·3	4·8
20	5·0	5·1	4·2	3·8	5·0	4·2	4·9	4·7	5·2	6·0	7·2	9·2	7·5	6·7	8·7	9·8	-0·3	0·4	5·7	3·7	1·9	-3·4	-0·6	4·1	4·5
21	4·3	5·4	5·0	4·0	4·5	5·4	7·8	3·4	4·6	4·4	6·5	7·5	6·6	8·0	7·2	5·0	2·7	1·0	3·5	3·5	3·3	3·2	3·3	3·4	4·7
22	3·6	3·7	3·7	3·9	3·7	3·7	3·7	3·7	3·5	4·2	5·7	6·6	6·9	7·0	6·3	6·1	5·7	3·0	-0·3	4·0	3·7	3·8	2·7	1·9	4·2
23	1·3	4·1	4·6	4·1	4·2	4·2	5·1	4·6	4·0	4·6	5·3	7·0	8·6	9·4	8·0	5·3	3·6	4·6	4·7	4·1	4·0	3·8	4·0	4·2	4·9
24	4·2	4·1	3·8	3·7	4·1	4·2	3·2	3·2	4·0	4·0	4·5	6·4	8·0	7·2	6·5	6·5	5·8	6·0	7·9	6·8	5·5	4·1	3·6	4·4	5·1
25 Q	4·2	2·9	2·8	3·3	3·2	3·1	2·8	3·4	3·7	4·2	5·0	6·0	7·0	6·9	7·0	6·5	6·3	6·0	5·0	4·4	3·7	3·2	2·1	1·3	4·3
26 Q	2·2	3·0	1·4	1·2	1·9	2·5	3·1	3·4	3·7	4·2	4·7	5·4	6·5	7·0	6·4	5·6	5·0	4·6	4·5	4·4	4·6	2·9	2·3	1·8	3·8
27 D	2·3	2·2	2·5	3·2	3·8	3·7	3·3	3·0	3·7	3·7	4·4	6·2	7·5	7·2	8·6	9·8	10·2	5·9	9·8	-5·0	3·1	4·2	3·3	3·5	4·6
28	2·4	2·8	3·1	4·2	3·8	3·0	3·9	4·3	4·8	4·2	4·2	4·8	6·5	6·2	7·2	7·6	7·5	8·1	4·0	4·4	2·1	0·9	2·1	2·7	4·4
29	4·0	4·1	4·9	4·9	5·1	5·0	4·5	4·8	4·7	5·7	6·4	6·6	7·1	8·5	8·8	7·3	6·2	5·9	5·8	6·7	3·2	-8·5	3·3	4·9	5·0
30	4·8	4·0	2·8	4·4	2·8	1·9	6·2	4·5	5·0	5·8	7·0	7·0	10·0	9·5	8·6	8·5	7·0	3·4	1·7	4·8	2·7	-6·6	-5·1	3·2	4·3
Mean	2·5	3·6	3·9	4·1	4·1	3·7	3·9	3·9	4·0	4·4	5·6	7·1	8·1	<u>8·4</u>	7·9	7·0	5·3	4·8	4·6	3·9	3·0	1·3	1·4	<u>0·9</u>	4·5

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, 1935

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	760	765	766	766	770	759	753	755	756	759	759	759	760	765	769	776	773	772	773	773	772	772	773	768	766
2	755	754	764	766	766	768	766	768	771	775	773	774	773	772	774	775	776	789	813	807	785	730	738	754	770
3	710	692	717	751	765	768	777	781	784	783	780	780	778	777	779	782	795	792	785	783	771	771	767	752	767
4 Q	757	766	770	771	772	775	775	778	778	778	778	778	777	776	774	773	773	773	775	776	778	778	777	779	774
5 D	776	774	760	768	771	773	772	774	776	780	783	780	780	782	782	788	824	833	807	803	765	769	724	654	775
6	688	728	734	688	681	727	736	752	751	767	780	783	780	779	777	777	775	774	773	773	773	773	774	773	755
7	775	775	774	771	768	771	771	771	772	775	776	779	779	779	776	775	773	773	773	783	789	779	773	766	775
8	763	765	758	762	768	767	764	767	774	774	779	780	781	781	782	790	798	794	784	780	783	777	773	774	776
9	775	775	775	773	772	771	768	768	771	773	776	776	776	775	777	776	775	773	772	771	774	777	774	780	774
10 Q	783	785	782	779	776	773	771	769	769	768	768	771	773	775	776	775	773	771	771	770	771	769	770	771	773
11	774	775	777	775	774	771	769	766	762	763	763	767	772	772	774	777	778	779	779	793	794	785	756	733	772
12 D	723	737	748	753	741	716	743	759	763	766	770	777	790	791	799	869	951	897	839	804	796	784	776	730	784
13 D	706	718	740	773	774	775	775	779	785	783	786	790	791	788	806	829	844	842	811	790	784	768	723	732	779
14 D	741	753	761	763	767	767	770	770	767	775	780	783	789	795	802	812	833	841	812	795	786	780	752	771	782
15	762	751	757	771	778	777	775	780	783	784	784	782	779	776	776	778	779	779	779	779	778	776	775	774	775
16	773	773	774	774	775	776	777	777	777	781	780	778	777	777	782	787	791	792	795	803	812	804	793	789	784
17 Q	782	779	778	782	781	781	777	777	776	776	777	778	777	776	776	776	776	775	784	788	782	778	777	775	779
18	776	774	771	769	768	771	773	773	775	777	777	777	776	776	776	777	784	794	782	780	778	775	771	755	775
19	762	757	752	748	758	763	765	770	774	779	783	788	793	798	794	796	790	791	788	783	782	781	772	768	776
20	772	775	775	774	770	767	768	768	772	778	779	781	793	800	806	807	807	797	783	789	786	770	767	768	781
21	771	770	767	768	766	758	754	763	767	772	777	782	788	786	789	792	790	785	778	777	775	775	776	777	775
22	778	777	775	774	773	773	773	773	775	777	779	781	780	780	784	787	782	785	787	786	783	779	776	761	778
23	750	764	770	773	771	769	770	769	769	774	777	779	781	781	782	784	784	779	778	774	773	772	772	772	774
24	773	774	773	772	771	768	764	764	766	772	771	770	773	774	774	773	772	771	773	780	780	775	775	776	772
25 Q	762	769	773	774	773	771	769	769	766	769	771	771	773	773	774	774	773	773	773	771	771	770	775	776	771
26 Q	777	777	773	775	775	772	769	767	766	768	770	770	770	770	773	775	774	772	770	769	772	778	774	769	772
27 D	770	769	769	771	769	769	768	764	763	763	763	764	767	769	770	772	787	828	839	867	822	792	783	775	782
28	773	773	774	774	774	772	771	770	768	769	768	765	766	772	778	782	784	791	800	789	785	777	771	768	776
29	768	768	769	769	767	766	766	765	763	762	764	764	766	767	771	771	774	773	772	774	791	791	791	785	772
30	783	780	777	773	770	771	753	748	755	761	770	773	772	777	780	781	788	801	792	810	815	785	760	773	777
Mean	761	763	765	767	767	767	767	768	770	773	775	776	778	779	781	786	793	793	788	787	784	776	769	763	775

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

48. LERWICK — NOVEMBER, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 14,000 γ+			Minimum 14,000 γ+			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 46,000 γ+			Minimum 46,000 γ+			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	17	40	454	419	10	34	35	12	56	11·7	0·8	0	2	10·9	15	37	778	750	6	4	28	177	1	78·0
2	21	23	469	395	21	5	74	12	42	13·5	-12·7	21	20	26·2	18	30	822	708	21	50	114	638	1	78·3
3	20	2	471	379	0	41	92	0	34	20·0	-5·9	16	57	25·9	16	50	806	665	0	56	141	781	1	78·8
4 Q	21	51	450	417	11	25	33	12	42	11·5	-0·8	0	3	12·3	23	5	780	752	0	2	28	169	0	79·5
5 D	22	31	492	346	23	24	146	13	30	14·6	-23·8	18	36	38·4	17	54	876	634	23	20	242	1340	1	80·0
6	5	53	454	347	3	24	107	3	22	15·5	-8·5	0	23	24·0	10	46	787	652	0	0	135	784	1	80·0
7	18	27	455	414	12	12	41	12	0	9·8	-3·4	20	0	13·2	20	22	793	765	23	45	28	189	0	79·9
8	6	6	458	413	10	44	45	13	3	10·9	-3·4	20	35	14·3	16	25	800	754	2	44	46	279	0	79·9
9	21	45	461	412	10	41	49	11	36	10·8	-1·7	23	0	12·5	21	24	783	768	6	32	15	141	0	79·6
10 Q	17	39	455	424	10	49	31	13	22	7·9	2·5	6	26	5·4	1	34	786	767	10	25	19	134	0	79·7
11	16	21	460	420	12	24	40	12	59	11·5	-12·9	23	24	24·4	20	33	799	729	23	30	70	384	1	80·0
12 D	16	56	533	384	12	16	149	14	59	20·9	-27·3	23	52	48·2	16	18	972	677	24	0	295	1591	1	80·2
13 D	21	57	482	361	0	19	121	14	21	10·5	-23·6	0	26	34·1	16	35	873	664	0	7	209	1144	1	80·2
14 D	23	45	457	372	21	54	85	18	54	19·4	-14·7	19	36	34·1	17	32	845	737	0	0	108	631	1	79·6
15	16	50	442	411	11	33	31	13	15	8·4	0·7	6	46	7·7	10	39	786	749	1	56	37	222	0	79·1
16	19	39	452	418	10	40	34	16	15	9·8	-3·2	23	0	13·0	20	18	817	772	0	32	45	263	0	78·6
17 Q	17	17	453	425	1	58	28	12	9	8·3	-1·2	0	35	9·5	19	2	791	774	9	8	17	120	0	78·9
18	23	24	478	422	22	50	56	16	1	10·3	-17·7	23	24	28·0	17	40	800	742	23	31	58	351	1	78·9
19	21	47	462	401	11	7	61	11	47	11·7	-13·1	21	46	24·8	13	36	800	745	3	30	55	340	1	78·8
20	21	24	464	410	14	37	54	14	57	11·9	-15·1	16	57	27·0	16	54	825	761	21	45	64	376	1	79·1
21	6	28	450	420	11	48	30	6	17	9·3	-1·6	17	13	10·9	15	9	795	750	6	29	45	253	0	79·2
22	23	41	460	424	11	40	36	13	8	7·7	-2·0	23	36	9·7	17	55	791	745	24	0	46	266	0	79·2
23	4	55	451	425	11	10	26	13	16	9·8	0·4	0	12	9·4	16	10	787	744	0	10	43	243	0	79·0
24	17	58	459	438	19	35	21	18	50	9·7	1·8	7	27	7·9	20	10	783	763	7	10	20	128	0	78·5
25 Q	16	55	453	436	24	0	17	0	1	9·0	0·4	23	8	8·6	24	0	777	757	0	30	20	123	0	78·4
26 Q	20	35	454	431	11	15	23	13	11	7·2	0·4	2	40	6·8	21	39	780	766	8	32	14	98	0	78·4
27 D	19	25	535	424	20	5	111	18	16	16·7	-16·7	19	39	33·4	19	37	896	819	9	6	77	520	1	78·1
28	6	14	444	418	18	14	26	17	20	9·2	0·4	21	39	8·8	18	18	807	763	12	10	44	243	1	77·5
29	20	37	488	436	23	50	52	20	42	11·0	-17·5	21	4	28·5	20	58	824	760	9	0	64	373	1	77·8
30	7	15	469	396	11	6	73	12	19	12·2	-16·2	21	26	28·4	19	54	821	736	6	37	85	502	1	77·8
Mean	--	--	466	408	--	--	58	--	--	11·7	-7·9	--	--	19·5	--	--	813	739	--	--	74	427	0·53	79·0
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.

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, 1935

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	435	435	429	427	422	434	414	416	432	430	426	432	435	436	434	447	431	440	440	443	439	460	448	424	434
2	443	442	396	433	443	447	442	436	428	412	418	425	404	427	438	440	442	441	444	442	442	442	435	419	432
3	387	420	432	431	426	430	434	434	431	426	425	425	431	428	436	418	411	419	440	432	443	436	442	438	428
4 Q	433	429	436	433	432	434	435	434	433	432	432	432	435	437	436	440	438	440	441	445	445	443	442	438	436
5 Q	439	436	438	439	438	437	439	436	433	433	436	439	442	444	444	445	447	445	447	449	445	435	441	444	440
6 Q	442	440	440	440	440	441	441	439	434	431	429	426	430	438	438	438	443	444	444	443	443	446	441	437	439
7	436	438	436	440	442	442	442	439	439	437	432	421	418	420	431	436	442	442	438	441	441	447	440	435	437
8	434	433	441	439	441	444	450	447	443	441	439	437	437	441	445	448	449	438	442	443	459	441	441	443	442
9	437	437	437	438	443	447	447	447	445	440	432	425	425	432	436	438	444	446	446	434	439	430	430	430	438
10	415	433	440	440	446	452	452	451	448	443	434	426	426	434	438	445	443	430	437	440	439	433	438	439	438
11	442	439	436	440	445	448	450	451	441	430	426	418	429	433	437	437	440	445	447	447	444	430	434	434	438
12	433	437	436	440	444	443	445	442	440	439	435	431	435	440	444	433	422	436	440	429	435	436	429	435	437
13	433	433	438	446	455	452	438	426	431	428	426	425	415	417	432	436	435	435	439	441	441	440	438	436	435
14 D	436	436	435	435	438	439	439	439	441	438	421	407	420	420	428	437	425	436	479	428	429	419	435	440	433
15	417	391	394	440	429	430	420	422	399	395	404	410	414	417	421	428	428	424	419	436	438	439	439	433	<u>420</u>
16	439	436	432	439	439	450	439	415	432	419	397	412	421	429	423	418	435	428	430	430	431	460	435	433	430
17	429	426	429	431	435	439	440	442	435	421	420	417	416	431	433	436	435	429	440	443	441	439	445	444	433
18	435	435	437	441	442	445	446	441	433	425	426	426	425	421	430	434	433	438	432	436	438	435	441	441	435
19	437	430	432	435	439	440	438	437	434	434	431	428	425	432	434	433	437	439	433	437	433	439	437	436	435
20	447	440	440	440	441	444	445	441	439	436	437	436	434	431	436	427	430	434	436	437	447	437	445	440	438
21	441	440	440	441	442	442	443	445	440	430	439	438	434	431	432	438	441	445	446	443	438	437	436	441	439
22 Q	446	444	442	443	444	444	444	444	444	439	440	440	438	438	441	441	443	446	447	447	445	443	441	441	443
23 Q	440	440	441	442	443	444	444	445	443	441	440	434	429	429	431	437	442	446	446	448	448	444	441	443	441
24	443	443	445	445	447	449	449	447	448	446	445	441	442	442	440	441	442	446	447	450	452	457	446	433	<u>445</u>
25	423	429	434	435	439	445	447	452	450	448	438	436	445	435	433	444	452	453	446	442	443	422	420	423	439
26 D	423	420	416	423	413	429	431	447	448	447	445	438	446	443	441	452	432	444	442	438	420	436	396	370	431
27 D	384	407	423	416	426	438	437	429	418	429	424	415	432	441	436	447	446	453	456	458	454	448	438	422	432
28 D	411	425	393	404	420	431	425	430	441	440	401	400	426	433	440	444	441	444	445	442	442	436	426	434	428
29	421	422	408	423	424	433	421	428	428	426	427	426	430	433	429	439	440	439	444	444	440	440	447	432	432
30	428	428	431	437	436	432	431	426	431	431	424	421	430	431	435	436	441	447	430	440	444	441	439	435	434
31	441	436	436	437	437	438	437	433	432	427	421	422	426	433	436	442	446	441	438	439	444	451	442	438	436
Mean	431	431	430	435	437	441	439	437	436	432	428	<u>426</u>	429	432	435	438	438	440	<u>442</u>	441	441	440	437	433	435

441 at 0-1 h. Jan. 1st 1936

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

50. LERWICK (*D*) 13° + DECEMBER, 1935

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	4·1	4·8	2·1	0·7	1·2	0·4	7·9	10·5	4·6	4·6	6·6	5·1	7·6	10·0	5·4	6·7	6·0	1·5	8·0	4·8	2·5	-4·8	-4·0	1·0	4·1
2	4·5	3·9	4·2	5·4	1·8	3·4	4·8	4·4	5·4	6·8	8·2	9·8	8·8	9·1	8·0	6·2	5·9	6·1	3·9	3·5	3·1	2·8	-4·2	-7·0	4·5
3	1·7	3·4	2·8	-1·1	1·3	3·2	3·4	3·9	4·1	3·9	4·8	5·7	6·5	6·1	5·8	-2·3	2·3	5·9	-2·3	4·5	4·3	4·3	3·2	2·4	3·2
4 Q	0·5	2·5	4·9	1·9	2·4	2·7	3·4	3·7	4·4	5·4	6·7	7·7	7·6	6·2	5·7	5·7	6·0	6·6	6·2	5·2	4·4	4·4	4·3	4·0	4·7
5 Q	3·7	3·4	2·5	2·5	2·3	2·4	2·4	2·9	3·7	4·8	5·9	6·7	6·8	5·9	5·5	5·2	5·4	5·9	5·3	5·2	6·4	0·9	4·0	3·8	4·3
6 Q	3·5	3·1	2·4	2·4	2·8	3·0	2·8	2·7	2·6	4·3	5·9	8·1	7·6	7·7	6·2	5·2	5·3	5·7	5·6	5·7	4·4	1·3	2·0	2·1	4·3
7	3·0	2·2	2·6	2·2	2·0	2·0	2·4	3·0	3·0	3·0	6·2	7·5	9·4	10·8	7·2	4·5	4·3	5·4	2·3	2·4	-1·1	-4·5	1·5	0·2	3·4
8	4·5	5·0	0·4	2·4	2·9	3·4	3·2	2·4	1·8	1·0	2·5	4·4	7·3	7·8	6·8	5·8	6·1	5·2	4·3	4·1	-2·3	3·1	0·8	1·5	3·5
9	1·7	2·7	3·9	3·0	2·4	2·9	2·4	3·1	3·0	3·3	3·5	4·4	6·5	7·4	8·2	7·1	6·4	6·3	5·7	5·2	3·6	0·6	-2·1	-10·0	3·4
10	-6·6	2·4	4·3	4·2	4·1	4·8	4·0	3·6	3·4	3·4	3·6	5·2	6·3	8·2	6·8	6·4	6·4	2·4	3·2	3·4	2·4	1·5	2·4	2·8	3·7
11	3·8	4·3	4·0	3·9	3·5	2·7	2·8	2·8	2·5	3·6	5·3	6·2	7·4	8·7	9·1	8·0	6·8	4·8	4·4	3·9	3·5	0·1	-12·9	-2·5	3·6
12	-0·7	1·2	0·9	2·4	2·7	3·4	3·5	3·5	4·4	4·8	5·1	6·4	8·3	9·8	11·8	12·0	9·1	5·4	5·0	2·1	0·4	1·4	-1·7	1·7	4·3
13	3·0	4·4	6·0	4·3	2·5	4·1	7·6	11·3	9·9	8·1	6·2	7·9	6·6	8·8	6·3	6·3	6·2	0·6	5·1	4·3	3·5	2·9	2·5	2·5	<u>5·5</u>
14 D	2·7	3·0	3·0	3·3	2·9	2·9	2·8	2·8	3·0	4·4	6·5	8·2	7·6	8·1	8·3	0·5	7·3	7·4	3·2	-3·1	-1·7	-1·5	-16·5	1·1	<u>2·8</u>
15	-1·9	-0·6	9·2	-2·2	1·2	4·5	15·2	15·6	13·7	8·5	8·6	8·7	6·5	8·2	3·3	3·4	5·4	1·6	-3·8	3·4	3·1	-0·3	0·7	2·7	4·8
16	3·5	6·3	2·5	4·9	1·3	3·5	4·9	9·3	10·2	9·1	5·9	8·1	9·3	9·8	9·2	3·1	4·9	0·7	-0·7	2·5	1·0	-6·5	-2·5	3·5	4·3
17	1·5	3·2	4·3	0·2	2·8	3·9	4·0	4·5	4·5	5·5	5·6	6·4	5·2	5·8	6·1	5·5	5·4	4·3	4·5	4·0	3·4	2·8	1·3	0·7	4·0
18	3·2	2·5	3·3	2·6	4·1	5·0	5·9	5·6	4·9	5·0	5·9	6·3	6·9	7·9	7·2	6·4	2·6	4·5	3·8	-6·8	0·4	2·0	-0·1	-4·1	3·5
19	-3·1	0·8	2·8	3·1	3·7	5·3	4·7	3·6	2·9	4·1	4·7	6·2	7·3	6·9	6·6	6·2	5·4	4·9	3·7	2·9	0·6	0·7	2·5	3·6	3·8
20	7·6	3·6	3·6	3·4	3·4	3·0	3·0	2·7	3·1	3·8	5·1	6·0	7·3	6·8	7·6	6·2	5·5	5·0	3·5	2·7	1·5	2·4	2·3	3·3	4·3
21	3·5	3·5	3·3	3·3	3·2	3·5	3·4	3·2	3·2	4·5	4·0	6·2	6·9	7·1	6·3	5·7	5·7	4·9	4·4	1·1	1·4	2·6	3·5	3·1	4·1
22 Q	1·7	3·4	3·9	3·6	3·0	3·0	3·3	3·4	3·4	4·0	4·5	5·0	5·7	5·5	5·9	5·2	5·4	5·9	5·7	5·0	4·5	3·5	3·5	3·1	4·2
23 Q	3·4	3·5	3·4	2·9	2·8	2·7	2·6	2·6	2·8	2·9	3·3	4·1	4·9	5·2	5·4	5·2	4·9	4·5	4·1	3·7	3·9	4·0	3·5	3·1	3·7
24	3·2	3·3	3·8	4·1	3·6	3·1	3·8	3·4	3·6	3·5	3·6	3·9	4·6	5·2	5·9	5·3	5·4	5·1	4·3	4·0	3·8	3·4	2·1	-7·3	3·5
25	-6·6	-1·8	4·1	5·1	4·5	4·1	3·8	3·7	3·6	4·1	5·4	8·6	9·7	7·2	6·5	6·4	5·0	5·8	10·1	-10·6	4·8	1·1	0·9	0·0	4·4
26 D	-1·4	-7·7	-5·7	-1·6	-0·2	0·7	8·0	6·1	8·4	7·5	6·4	7·2	9·8	10·2	12·6	20·2	9·4	9·7	8·0	6·5	-2·2	-0·4	-5·0	-10·9	4·0
27 D	-10·3	-10·6	-5·0	-8·1	-0·6	3·2	5·9	4·2	6·1	5·9	5·7	8·5	10·0	9·3	7·4	8·8	12·0	14·0	14·1	11·7	5·8	-3·0	0·5	0·5	4·0
28 D	-3·4	0·8	-11·1	-7·6	-4·8	-1·4	-0·8	2·6	1·9	5·0	7·3	14·2	6·2	7·1	6·4	6·0	6·2	6·3	-2·1	5·0	3·8	0·9	0·4	-3·7	<u>1·9</u>
29	-4·6	3·6	1·7	1·2	2·1	2·8	2·8	3·1	3·2	4·2	5·5	6·4	6·4	6·1	3·9	5·0	6·1	2·7	4·6	0·3	2·4	2·6	-5·3	0·7	2·8
30	3·8	3·7	2·1	2·0	2·3	2·6	1·9	2·6	2·3	5·4	5·0	7·3	5·7	5·6	4·6	4·4	4·5	4·7	-3·0	2·7	3·3	2·8	2·2	3·2	3·4
31	1·7	1·9	2·0	2·5	2·6	2·3	1·9	1·8	3·0	4·3	4·0	5·9	6·4	4·9	5·3	4·7	5·5	1·2	2·6	4·1	2·2	-1·9	0·9	3·3	3·0
Mean	1·0	2·1	2·3	1·8	2·3	3·0	4·1	4·5	4·4	4·8	5·4	6·9	7·2	<u>7·5</u>	6·8	6·0	5·9	5·0	4·0	3·7	2·5	0·9	<u>-0·3</u>	0·3	3·8

2·0 at 0-1 h. Jan. 1st 1936

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, 1935

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	776	777	774	763	771	763	751	726	738	763	771	773	774	782	791	789	813	814	802	791	791	774	765	771	775
2	757	753	749	735	749	765	770	771	777	780	774	779	800	796	783	780	782	783	783	782	780	776	771	753	772
3	700	725	763	769	766	765	773	774	777	780	780	780	779	779	778	800	808	804	798	792	775	779	776	773	775
4 Q	770	771	762	766	772	774	776	778	779	778	779	779	778	775	774	773	774	773	774	775	777	778	779	779	775
5 Q	777	778	777	774	773	773	772	773	774	774	774	774	774	774	776	774	771	771	772	774	777	787	780	779	775
6 Q	779	777	774	773	771	770	769	770	773	773	774	778	780	779	779	777	776	774	775	777	779	780	780	781	776
7	780	779	779	776	773	770	770	770	771	771	774	779	782	784	783	786	783	779	782	780	779	773	771	773	777
8	770	754	758	765	768	768	767	768	771	774	775	776	774	775	776	776	775	780	779	776	768	770	773	774	771
9	774	775	774	774	771	768	768	768	769	771	774	778	779	780	781	780	779	780	779	788	800	804	785	761	777
10	746	749	756	762	765	764	765	767	768	771	774	774	774	774	777	777	779	792	785	780	779	779	773	771	771
11	768	772	774	773	774	773	772	769	772	773	773	775	776	780	785	791	792	786	780	777	776	782	776	762	776
12	762	756	761	763	764	767	768	771	772	768	770	772	770	775	783	799	817	813	800	804	794	783	783	774	779
13	767	763	763	770	768	766	769	768	762	770	775	783	789	788	787	788	797	805	792	786	785	779	777	776	778
14 D	774	775	776	777	777	777	778	777	775	774	779	784	782	788	799	815	837	834	907	856	819	797	777	748	795
15	753	719	718	719	754	763	756	760	779	793	800	817	822	813	821	812	806	811	817	793	785	780	776	778	781
16	762	740	762	758	762	765	772	777	761	769	786	791	794	804	818	833	803	807	802	796	793	762	748	765	780
17	765	758	756	754	764	772	776	778	781	783	784	783	791	784	781	781	782	787	782	782	782	781	776	757	776
18	759	768	771	771	771	767	764	769	772	778	778	781	780	784	783	784	789	784	789	794	780	782	774	755	776
19	736	746	757	763	764	766	769	772	777	778	780	781	781	777	777	778	777	777	783	781	784	780	780	775	772
20	750	760	769	769	769	769	771	774	774	777	777	777	777	777	777	784	785	783	783	783	777	777	774	774	774
21	774	774	774	771	771	771	771	771	774	775	772	773	774	774	776	776	773	774	774	776	779	781	784	790	775
22 Q	773	768	770	770	770	769	768	768	770	774	772	773	773	774	773	773	773	771	772	772	773	776	776	775	772
23 Q	775	773	772	771	770	769	769	768	769	769	769	772	773	773	775	772	770	770	769	769	769	770	773	773	771
24	772	772	770	770	769	768	767	767	766	766	767	768	769	770	772	774	772	769	768	766	765	764	774	787	770
25	782	784	778	779	776	771	769	765	765	763	765	766	769	775	780	780	777	778	806	843	863	832	811	805	787
26 D	802	798	792	771	764	754	778	733	745	761	767	775	776	784	792	801	837	824	824	837	826	810	771	718	785
27 D	750	777	783	766	748	764	754	750	759	759	777	786	786	789	802	802	805	826	863	895	894	894	859	844	801
28 D	846	802	754	743	755	772	777	769	766	769	777	777	779	780	786	787	789	792	809	797	795	795	793	766	782
29	769	778	764	780	788	790	789	788	787	785	784	782	781	783	793	792	793	795	793	792	785	782	779	775	784
30	777	779	777	781	782	783	783	782	781	782	782	785	782	783	785	787	789	790	805	796	788	787	785	792	785
31	774	783	783	783	783	785	784	787	786	785	785	785	785	784	783	783	787	799	800	795	791	789	786	783	786
Mean	768	767	767	766	768	770	770	769	771	774	776	779	781	782	785	787	790	791	795	794	791	787	780	773	778

783 at 0-1 h Jan. 1st. 1936

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

52. LERWICK DECEMBER, 1935

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 13° +			Minimum 13° +			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	21	36	474	392	6	49	82	6	54	14·4	-10·6	21	31	25·0	16	51	851	721	7	51	130	725	1	77·0
2	22	6	456	381	2	30	75	11	37	11·9	-13·2	23	7	25·1	12	52	814	731	3	15	83	496	1	76·3
3	20	33	460	361	0	12	99	0	25	9·4	-11·7	0	2	21·1	16	10	815	674	0	50	141	801	1	76·0
4 Q	22	25	450	427	1	0	23	12	7	9·6	-0·1	0	18	9·7	22	13	781	759	2	26	22	136	0	76·0
5 Q	16	39	454	429	21	13	25	12	2	7·3	-2·3	21	36	9·6	21	30	793	769	16	40	24	148	0	75·9
6 Q	22	3	454	423	11	48	31	11	41	9·1	-1·4	21	45	10·5	22	47	783	769	6	10	14	110	0	75·5
7	21	19	459	414	11	50	45	13	25	12·0	-10·1	21	0	22·1	16	6	791	764	20	46	27	191	1	75·2
8	20	34	474	427	0	15	47	0	55	8·1	-4·3	20	5	12·4	17	45	784	753	1	52	31	212	1	75·0
9	5	46	449	413	24	0	36	21	1	10·3	-16·0	23	40	26·3	21	14	815	749	23	50	66	360	1	75·4
10	6	5	455	410	0	5	45	13	27	8·7	-13·7	0	5	22·4	17	44	803	742	0	58	61	349	1	75·5
11	22	16	462	407	22	54	55	14	33	9·9	-18·0	22	28	27·9	21	54	796	757	23	36	39	262	1	75·2
12	14	24	451	419	16	45	32	14	40	13·2	-6·1	20	10	19·3	16	47	825	750	1	36	75	395	1	75·2
13	4	26	460	401	12	54	59	8	6	12·9	-4·0	17	16	16·9	17	16	815	758	8	15	57	352	1	75·6
14 D	18	39	549	375	22	25	174	18	45	14·9	-30·4	22	43	45·3	18	34	972	736	23	13	236	1352	1	75·9
15	3	44	457	365	2	20	92	7	0	18·6	-10·7	18	13	29·3	14	35	828	678	2	0	150	832	1	75·9
16	21	43	505	386	10	33	119	13	4	15·6	-18·3	21	28	33·9	14	55	859	733	21	52	126	760	1	76·1
17	22	52	473	401	12	0	72	12	7	8·6	-2·3	3	48	10·9	12	22	794	750	3	25	44	309	1	76·0
18	23	57	454	416	13	22	38	13	39	8·5	-11·7	19	24	20·2	19	18	802	730	24	0	72	391	1	75·6
19	0	0	452	418	12	20	34	12	44	8·7	-8·8	0	15	17·5	20	55	788	730	0	4	58	319	1	75·1
20	20	50	454	420	15	49	34	0	15	10·3	-1·2	21	55	11·5	15	54	790	743	0	38	47	273	1	74·8
21	24	0	458	427	9	26	31	13	26	7·6	-2·4	24	0	10·0	22	21	786	770	7	1	16	120	0	74·7
22 Q	20	15	449	436	0	55	13	12	35	6·1	-2·7	0	1	8·8	21	43	776	766	7	12	10	66	0	74·4
23 Q	20	28	449	427	13	10	22	14	25	5·5	2·5	6	1	3·0	0	10	775	767	7	24	8	69	0	74·1
24	21	39	465	424	23	40	41	14	14	6·2	-10·5	24	0	16·7	23	43	794	761	21	41	33	213	1	73·9
25	20	27	476	411	22	32	65	18	39	20·2	-10·7	0	1	30·9	20	37	887	761	7	49	126	681	1	73·7
26 D	15	25	459	355	22	51	104	15	31	21·6	-15·4	23	16	37·0	20	3	850	706	23	46	144	827	1	74·2
27 D	20	11	477	361	0	12	116	18	0	19·9	-13·5	0	14	33·4	19	43	908	720	0	0	188	1035	1	75·4
28 D	1	27	491	351	1	52	140	11	23	17·3	-15·6	2	27	32·9	0	0	865	728	3	5	137	841	1	76·4
29	19	46	467	403	2	10	64	11	39	8·0	-12·9	22	48	20·9	17	28	799	757	0	19	42	284	1	77·1
30	17	23	452	409	1	56	43	1	48	9·8	-10·5	18	35	20·3	18	40	812	768	24	0	44	267	1	77·5
31	21	41	465	418	11	54	47	12	35	8·0	-6·8	21	38	14·8	17	40	805	767	0	5	38	245	1	77·4
Mean	--	--	465	403	--	--	61	--	--	11·4	-9·5	--	--	20·8	--	--	818	744	--	--	74	433	0·81	75·5
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.

Departure from mean of the day adjusted for non-cyclic change †

53. LERWICK HORIZONTAL FORCE (ALL DAYS) 1935

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

54. LERWICK DECLINATION (ALL DAYS) 1935

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
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	-2·94	-1·53	-1·30	-1·48	-1·37	-0·67	-0·19	+0·22	+0·84	+1·74	+2·09	+2·66	+3·00	+3·33	+2·48	+2·23	+1·25	+0·90	+0·64	-0·78	-2·44	-2·44	-3·65	-2·59
Feb. ...	-3·05	-1·64	-2·13	-2·07	-1·35	-1·11	-0·66	-0·70	-0·13	+0·42	+1·64	+3·10	+4·25	+4·72	+5·01	+4·05	+2·37	+1·73	+0·06	-1·23	-2·16	-3·47	-3·79	-3·86
Mar. ...	-2·96	-2·82	-2·37	-2·28	-2·42	-2·23	-2·18	-1·78	-1·79	-0·92	+1·37	+3·72	+6·03	+7·07	+6·03	+4·70	+2·92	+0·54	-0·78	-0·34	-1·16	-2·40	-2·86	-3·09
Apr. ...	-1·65	-1·22	-1·11	-2·06	-3·15	-2·99	-3·01	-3·88	-3·73	-2·13	+0·13	+2·98	+5·67	+6·56	+6·17	+4·37	+2·86	+1·63	+0·58	-0·03	-1·10	-1·44	-1·76	-1·69
May ...	-2·16	-2·18	-2·63	-1·89	-3·14	-4·04	-4·02	-3·77	-3·38	+1·93	+0·69	+3·41	+5·52	+6·07	+5·43	+4·04	+3·12	+2·29	+1·25	+1·09	+0·17	-0·39	-0·82	-2·73
June ...	-2·32	-2·34	-3·24	-3·37	-4·68	-5·81	-6·48	-6·24	-4·91	-2·64	+0·18	+3·58	+6·36	+7·13	+6·60	+5·65	+4·36	+3·52	+2·14	+1·81	+0·70	+0·58	+0·01	-0·59
July ...	-1·48	-1·89	-2·45	-3·40	-4·03	-4·94	-5·40	-5·30	-3·72	-2·03	+0·30	+3·51	+5·95	+6·99	+6·35	+4·85	+3·19	+1·83	+1·21	+0·71	+0·67	+0·55	-0·34	-1·13
Aug. ...	-0·99	-1·68	-2·57	-2·93	-4·01	-4·76	-5·09	-4·56	-2·96	-0·72	+1·62	+4·48	+6·52	+6·69	+5·46	+3·42	+1·58	+0·63	+0·54	+0·67	+0·07	+0·02	-0·64	-0·79
Sept. ...	-2·13	-3·43	-4·83	-3·01	-2·02	-2·25	-2·72	-2·14	-1·33	+0·95	+2·88	+5·40	+7·11	+7·25	+5·76	+4·14	+1·87	+1·85	+0·38	-0·76	-1·44	-2·69	-4·86	-3·98
Oct. ...	-2·14	-1·76	-1·86	-1·74	-1·92	-1·22	-1·05	-0·91	-1·44	-1·24	+0·90	+3·45	+5·40	+6·46	+6·40	+4·16	+2·56	+0·30	-1·05	-1·04	-2·37	-3·40	-3·37	-3·12
Nov. ...	-1·99	-0·81	-0·59	-0·35	-0·39	-0·76	-0·54	-0·59	-0·49	-0·04	+1·11	+2·65	+3·64	+3·87	+3·40	+2·55	+0·81	+0·35	+0·12	-0·57	-1·53	-3·19	-3·11	-3·55
Dec. ...	-2·84	-1·72	-1·52	-2·01	-1·60	-0·85	+0·28	+0·62	+0·57	+0·96	+1·56	+3·02	+3·36	+3·69	+2·98	+2·13	+2·08	+1·17	+0·16	-0·13	-1·34	-2·88	-4·13	-3·56
Year ...	-2·22	-1·92	-2·22	-2·22	-2·51	-2·64	-2·59	-2·42	-1·87	-0·63	+1·21	+3·50	+5·23	+5·82	+5·17	+3·86	+2·41	+1·39	+0·44	-0·05	-0·99	-1·76	-2·44	-2·56
Winter...	-2·71	-1·43	-1·39	-1·48	-1·18	-0·85	-0·28	-0·11	+0·20	+0·77	+1·60	+2·86	+3·56	+3·90	+3·47	+2·74	+1·63	+1·04	+0·25	-0·68	-1·87	-2·99	-3·67	-3·39
Equinox..	-2·22	-2·31	-2·54	-2·27	-2·38	-2·17	-2·24	-2·18	-2·07	-0·83	+1·32	+3·89	+6·05	+6·86	+6·09	+4·34	+2·55	+1·08	-0·22	-0·54	-1·52	-2·48	-3·21	-2·97
Summer...	-1·74	-2·02	-2·72	-2·90	-3·97	-4·89	-5·25	-4·97	-3·74	-1·83	+0·70	+3·75	+6·09	+6·72	+5·96	+4·49	+3·06	+2·07	+1·29	+1·07	+0·40	+0·19	-0·45	-1·31

55. LERWICK VERTICAL FORCE (ALL DAYS) 1935

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

† See page 23.

Departures from the mean of the day adjusted for non-cyclic change†

56. LERWICK — HORIZONTAL FORCE (QUIET DAYS) — 1935

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	-1·0	-3·8	-2·8	-1·2	+1·8	+4·4	+5·8	+6·6	+4·0	+0·8	-2·4	-2·6	-2·0	-1·0	0·0	+0·2	+0·4	+1·0	+0·2	-0·2	+0·4	-2·4	-5·0	-1·2
February	-0·6	+1·6	-0·1	+0·9	+1·1	+1·7	+3·9	+5·0	+1·9	-4·4	-7·9	-10·1	-8·1	-5·9	-3·3	0·0	+2·0	+3·9	+2·9	+3·5	+4·8	+2·2	+2·2	+2·8
March	+0·6	+1·1	+1·8	+2·4	+3·7	+6·7	+6·2	+3·1	-2·4	-10·2	-17·1	-17·8	-13·8	-7·7	+2·2	+5·6	+3·7	+3·3	+6·8	+5·3	+3·4	+5·2	+4·5	+3·4
April	+7·5	+5·9	+5·3	+6·4	+5·8	+6·6	+4·6	-0·5	-10·0	-21·4	-28·6	-29·3	-24·9	-14·9	-5·1	+1·8	+6·1	+10·5	+13·9	+14·0	+13·8	+11·4	+11·0	+10·1
May	+5·7	+6·9	+4·7	+5·0	+5·1	+4·7	+1·7	-4·0	-12·5	-23·5	-31·3	-31·4	-25·6	-15·1	-5·0	+3·6	+11·2	+19·1	+20·9	+18·9	+14·5	+11·0	+9·1	+6·3
June	+5·2	+4·2	+4·5	+5·3	+4·4	+0·7	-5·1	-11·7	-19·8	-27·6	-32·6	-29·9	-18·8	-9·4	-2·9	+5·1	+14·7	+19·4	+21·4	+23·6	+19·4	+14·8	+9·2	+5·9
July	+5·7	+4·0	+4·5	+4·2	+3·3	-1·1	-1·8	-6·4	-15·6	-26·1	-30·1	-28·6	-20·8	-8·5	+5·6	+11·7	+12·2	+13·2	+14·1	+14·1	+16·7	+13·2	+9·0	+7·5
August	+6·5	+5·1	+3·9	+3·8	+2·7	-0·5	-2·5	-9·2	-14·9	-21·5	-24·7	-24·2	-16·4	-7·2	-1·0	+6·3	+8·6	+10·8	+12·6	+15·1	+15·4	+12·0	+10·4	+8·9
September	+8·7	+3·5	+2·0	+3·1	+3·9	+2·9	+0·5	-4·5	-12·7	-22·0	-26·6	-24·0	-15·4	-8·2	-1·1	+4·4	+6·7	+9·5	+12·1	+13·9	+13·4	+11·1	+9·9	+8·9
October	+6·4	+6·7	+8·8	+5·6	+5·4	+5·8	+5·5	+2·5	-5·1	-15·6	-23·8	-29·0	-24·2	-15·5	-4·7	+0·5	+5·5	+8·0	+11·1	+12·4	+10·4	+8·3	+8·4	+8·6
November	-0·7	-2·1	-0·6	+0·1	+1·2	+2·9	+4·3	+1·9	0·0	-6·2	-10·5	-11·4	-9·2	-6·6	-2·3	+1·0	+3·9	+7·4	+5·4	+5·4	+5·7	+4·7	+3·4	+2·3
December	+0·3	-2·0	-0·3	-0·4	-0·3	+0·2	+0·9	-0·2	-2·4	-4·7	-4·4	-5·7	-5·0	-2·7	-1·8	+0·3	+2·7	+4·2	+5·5	+6·4	+5·3	+2·2	+1·3	+0·6
Year	+3·7	+2·6	+2·5	+2·9	+3·2	+2·9	+2·0	-1·5	-7·5	-15·2	-20·0	-20·3	-15·3	-8·6	-1·6	+3·4	+6·5	+9·2	+10·6	+11·0	+10·3	+7·8	+6·1	+5·3
Winter	-0·5	-1·6	-0·9	-0·1	+0·9	+2·3	+3·7	+3·3	+0·9	-3·6	-6·3	-7·5	-6·1	-4·1	-1·9	+0·4	+2·3	+4·1	+3·5	+3·8	+4·1	+1·7	+0·5	+1·1
Equinox	+5·8	+4·3	+4·0	+4·4	+4·7	+5·5	+4·2	+0·1	-7·5	-17·3	-24·0	-25·0	-19·6	-11·6	-2·2	+3·1	+5·5	+7·8	+11·0	+11·4	+10·3	+9·0	+8·5	+7·7
Summer	+5·8	+5·1	+4·4	+4·6	+3·9	+0·9	-1·9	-7·8	-15·7	-24·7	-29·7	-28·5	-20·4	-10·1	-0·8	+6·7	+11·7	+15·6	+17·3	+17·9	+16·5	+12·7	+9·4	+7·1

57. LERWICK — DECLINATION (QUIET DAYS) — 1935

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	-0·74	-0·50	+0·08	+0·14	+0·20	+0·19	+0·10	-0·12	-0·34	-0·30	-0·16	+0·36	+1·12	+1·30	+1·32	+1·42	+0·92	+0·89	+0·78	-0·22	-0·54	-1·36	-2·60	-1·94
February	-1·06	-0·82	+0·16	-0·20	-0·52	-0·78	-0·90	-1·14	-1·65	-1·17	+0·29	+1·45	+2·51	+2·87	+2·41	+1·61	+0·92	+0·50	-0·32	0·00	-0·50	-0·82	-1·30	-1·54
March	-2·21	-0·96	-1·33	-1·49	-1·45	-1·37	-2·02	-2·84	-2·96	-1·89	+0·56	+3·50	+5·01	+5·31	+4·32	+2·91	+1·76	+0·57	+0·12	+0·23	-0·88	-1·22	-1·61	-2·06
April	-0·73	-0·91	-0·92	-1·37	-1·71	-2·23	-3·15	-4·15	-4·32	-3·45	-1·45	+1·27	+4·07	+5·69	+5·00	+3·85	+2·65	+1·69	+1·05	+0·51	-0·06	-0·11	-0·45	-0·77
May	-0·04	-0·46	-1·54	-2·30	-3·33	-4·03	-4·15	-4·37	-4·09	-2·53	-0·49	+2·31	+4·58	+5·24	+4·80	+3·32	+2·00	+1·50	+1·18	+0·66	+0·67	+0·73	+0·49	-0·15
June	-0·28	-0·73	-1·07	-1·68	-3·27	-4·98	-5·75	-6·22	-5·57	-3·67	-0·38	+3·50	+6·13	+6·23	+5·64	+4·30	+2·54	+1·52	+1·09	+0·93	+0·75	+0·42	+0·06	+0·49
July	-0·37	-0·93	-2·49	-3·49	-4·31	-5·31	-5·56	-5·46	-5·00	-3·14	-1·04	+2·50	+5·38	+7·42	+7·50	+5·96	+4·14	+1·98	+0·71	+0·35	+0·71	+0·01	+0·13	+0·31
August	-0·70	-0·54	-1·34	-2·51	-3·74	-4·16	-4·33	-4·38	-3·49	-1·55	+0·59	+3·58	+5·90	+6·85	+5·60	+3·32	+1·20	+0·13	-0·10	+0·40	+0·24	-0·03	-0 30	-0·64
September	-0·65	-1·49	-1·85	-2·39	-3·06	-3·05	-2·98	-2·84	-2·42	-1·28	+0·59	+2·95	+4·69	+4·91	+4·14	+2·78	+1·12	+0·39	+0·72	+0·64	+0·11	-0·41	-0·29	-0·33
October	-1·35	-0·94	-1·67	-2·06	-1·87	-1·82	-2·19	-2·86	-3·27	-2·56	-0·21	+2·08	+3·85	+4·52	+4·23	+2·54	+1·41	+1·12	+1·11	+0·92	+0·69	-0·32	-0·61	-0·74
November	-1·42	-0·70	-0·71	-0·90	-1·06	-1·16	-1·28	-1·06	-0·86	-0·27	-0·77	+1·85	+2·81	+2·81	+2·30	+1·59	+1·12	+0·86	+0·28	+0·14	-0·31	-1·22	-1·66	-1·92
December	-1·50	-0·90	-0·67	-1·45	-1·46	-1·39	-1·26	-1·11	-0·81	+0·08	+1·04	+2·09	+2·27	+1·84	+1·46	+1·01	+1·09	+1·40	+1·04	+0·60	+0·35	-1·58	-0·94	-1·20
Year	-0·92	-0·82	-1·11	-1·64	-2·13	-2·51	-2·79	-3·05	-2·90	-1·81	+0·01	+2·29	+4·03	+4·58	+4·06	+2·88	+1·74	+1·05	+0·64	+0·43	+0·10	-0·49	-0·76	-0·87
Winter	-1·18	-0·73	-0·29	-0·60	-0·71	-0·79	-0·83	-0·86	-0·91	-0·41	+0·49	+1·44	+2·18	+2·21	+1·87	+1·41	+1·01	+0·91	+0·45	+0·13	-0·25	-1·25	-1·63	-1·65
Equinox	-1·23	-1·07	-1·44	-1·83	-2·02	-2·12	-2·59	-3·17	-3·24	-2·29	-0·13	+2·45	+4·41	+5·11	+4·42	+3·02	+1·73	+0·94	+0·75	+0·57	-0·03	-0·51	-0·74	-0·97
Summer	-0·35	-0·67	-1·61	-2·49	-3·66	-4·62	-4·95	-5·11	-4·54	-2·72	-0·33	+3·00	+5·50	+6·43	+5·89	+4·23	+2·47	+1·28	+0·72	+0·59	+0·59	+0·28	+0·09	0·00

58. LERWICK — VERTICAL FORCE (QUIET DAYS) — 1935

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
	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	-5·8	-3·7	-2·9	-0·8	-0·5	+0·2	-0·6	-1·9	-2·4	-4·2	-4·5	-4·5	-3·6	-1·4	+1·5	+3·1	+3·9	+4·7	+5·7	+6·7	+5·5	+3·6	+3·0	-1·1
February	-4·0	-2·9	-0·9	-1·5	-1·2	-0·4	-0·9	-1·6	-0·6	0·0	-0·1	-0·1	-0·6	-0·1	+1·9	+3·7	+3·4	+2·6	+3·5	+2·6	+0·8	+0·4	-0·5	-3·5
March	-3·3	-6·2	-5·8	-4·4	-3·1	-1·6	-0·2	+1·3	+0·7	-0·3	-1·8	-4·9	-4·5	-4·1	-3·0	+2·9	+7·1	+7·7	+6·3	+7·1	+8·2	+3·7	+0·7	-2·5
April	-2·2	-1·7	+0·8	+1·1	+2·6	+2·8	+3·2	+2·9	+2·8	+2·5	+0·4	-2·1	-4·5	-4·6	-3·1	-2·0	+0·5	+1·3	+1·3	+1·4	+1·1	-0·4	-1·7	-2·4
May	+0·2	-3·4	-0·9	+2·3	+4·0	+3·5	+3·0	+1·5	-1·3	-1·8	-3·0	-7·5	-10·3	-9·0	-5·4	-2·1	+1·5	+3·7	+4·2	+6·0	+5·7	+4·5	+2·8	+1·8
June	+1·8	+3·1	+2·6	+2·9	+2·1	+2·7	+2·0	+1·6	-0·3	-2·2	-5·5	-11·4	-12·0	-9·2	-5·3	-1·7	+2·0	+4·9	+5·4	+3·5	+4·1	+4·3	+2·6	+2·0
July	-4·4	-4·2	-2·4	-2·5	+4·9	+5·9	+3·4	+1·4	-1·5	-2·1	-6·7	-9·0	-7·8	-7·7	-6·5	+1·3	+7·2	+9·5	+10·0	+7·1	+1·9	+0·6	-1·2	-2·2
August	-1·6	+0·8	+2·1	+3·6	+4·6	+4·6	+3·5	+2·2	-2·2	-3·8	-6·7	-10·2	-9·6	-8·2	-1·7	+2·0	+6·0	+5·8	+5·1	+3·0	+1·4	+0·4	-0·9	-2·2
September	-6·8	-4·0	-0·8	+0·9	+2·5	+3·8	+3·7	+3·2	+3·0	+1·4	-0·7	-5·1	-7·5	-5·7	-2·4	+1·4	+5·0	+6·6	+4·3	+1·5	+1·1	0·0	-1·8	-3·6
October	+0·5	+0·1	-2·3	-0·7	+1·8	+2·8	+2·7	+3·0	+4·3	+4·2	+3·0	-0·5	-3·3	-4·3	-4·5	-1·5	0·0	+0·2	-0·5	-0·8	-0·9	-0·4	-1·0	-1·9
November	-1·3	+1·7	+1·8	+2·6	+1·8	+0·7	-1·5	-1·7	-2·7	-2·0	-1·0	-0·3	+0·1	0·0	+0·7	+0·6	-0·3	-1·3	+0·5	+0·6	+0·7	+0·3	+0·3	-0·3
December	+1·6	+0·2	-2·3	-2·5	-2·2	-2·3	-2·7	-2·1	-0·6	+0·1	0·0	+1·5	+1·9	+1·3	+1·6	0·0	-1·1	-2·0	-1·6	-0·6	+0·9	+4·2	+3·5	+3·2
Year	-2·1	-1·7	-0·9	+0·5	+1·4	+2·0	+1·3	+0·8	-0·1	-0·7	-2·2	-4·5	-5·1	-4·3	-2·2	+0·6	+2·9	+3·6	+3·7	+3·2	+2·5	+1·8	+0·5	-1·1
Winter	-2·4	-1·2	-1·1	-0·5	-0·5	-0·5	-1·4	-1·8	-1·6	-1·5	-1·4	-0·9	-0·5	-0·1	+1·4	+1·9	+1·5	+1·0	+2·0	+2·3	+2·0	+2·1	+1·6	-0·4
Equinox	-2·9	-2·9	-2·0	-0·8	+0·9	+1·9	+2·3	+2·6	+2·7	+1·9	+0·2	-3·1	-4·9	-4·7	-3·3	+0·2	+3·1	+3·9	+2·9	+2·3	+2·4	+0·7	-0·9	-2·6
Summer	-1·0	-0·9	+0·3	+2·8	+3·9	+4·2	+3·0	+1·7	-1·3	-2·5	-5·5	-9·5	-9·9	-8·0	-4·7	-0·1	+4·2	+6·0	+6·2	+4·9	+3·3	+2·5	+0·8	-0·1

† See page 23.

Departures from mean of the day adjusted for non-cyclic change†

59. LERWICK HORIZONTAL FORCE (DISTURBED DAYS) 1935

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	-29·5	-34·9	-31·0	-7·8	+2·5	+6·6	+6·0	+6·2	+4·9	+7·2	+1·5	-3·6	-1·2	+5·6	+12·9	+18·3	+12·6	+15·5	+13·9	+19·9	+2·0	-5·3	-3·2	-19·1
February	-29·6	-25·8	-21·0	-9·4	-5·9	-2·9	+13·7	+7·6	+3·3	-0·8	-3·9	-6·2	-6·3	+11·3	+19·3	+20·0	+21·0	+23·8	+37·2	+28·9	+7·5	-13·3	-42·0	-26·5
March	-9·7	-25·5	-22·3	-14·3	-19·9	-6·8	-7·6	-14·9	-15·0	-27·0	-17·2	-24·5	-9·8	+21·0	+46·7	+35·9	+50·7	+35·9	+14·5	+3·9	+3·8	+2·4	+1·1	-1·4
April	-15·1	-40·0	-35·0	-12·3	-0·6	-6·7	-4·5	-9·4	-24·7	-30·3	-42·8	-30·2	-9·9	+9·1	+33·6	+42·0	+46·8	+64·6	+56·4	+44·6	+24·4	-15·7	-33·9	-10·4
May	-43·4	-18·9	-15·2	-15·1	-3·4	+3·9	-10·6	-21·7	-19·2	-18·9	-19·0	-16·5	-1·4	+13·5	+19·8	+19·7	+34·0	+35·1	+30·4	+34·5	+32·8	+18·7	-6·2	-32·9
June	-33·8	-36·3	-54·6	-22·4	-1·2	-3·5	-2·5	-14·4	-27·5	-34·5	-27·9	-30·6	-0·2	+6·5	+56·6	+90·6	+107·6	+89·1	+83·1	+39·0	+29·5	-61·5	-92·1	-59·0
July	+0·9	-20·2	+7·8	+11·0	-7·9	-16·6	-7·5	-33·0	-44·9	-36·2	-34·9	-33·0	-13·5	-3·1	+10·9	+20·6	+27·4	+32·8	+32·9	+30·1	+32·5	+25·3	+15·6	+3·0
August	-8·0	-1·3	+1·8	-1·0	+2·7	+1·2	-1·9	-13·3	-26·4	-29·5	-28·9	-26·2	-19·5	-9·2	-0·8	+9·3	+16·2	+26·0	+31·5	+23·2	+20·9	+15·1	+11·8	+6·3
September	-74·0	-61·0	-38·5	-44·2	-23·8	-5·2	+4·5	-11·2	-27·2	-30·4	-21·7	-10·8	+3·4	+30·4	+32·7	+59·4	+70·6	+80·0	+64·1	+35·0	+27·6	+8·8	-22·3	-46·2
October	-14·4	-14·3	-13·1	-10·0	-4·2	-0·8	-3·3	-12·1	-20·1	-21·4	-26·7	-11·5	+2·8	+15·8	+54·3	+64·4	+25·5	+26·2	+32·7	+28·2	-14·9	-43·8	-18·6	-20·7
November	-13·2	-10·4	-0·3	-1·3	-2·5	+6·9	+5·5	+2·3	-0·6	-4·0	-12·8	-13·4	-14·2	-8·0	+6·5	+14·9	+21·7	+7·9	+5·9	+5·1	+0·8	-1·8	+7·2	-2·2
December	-14·2	-7·5	-12·9	-10·9	-8·2	+2·3	-2·6	+0·3	+4·2	+5·1	-8·4	-13·3	+0·2	+3·0	+4·2	+13·9	+3·5	+11·9	+21·0	+10·4	+5·4	+8·6	-2·7	-13·3
Year	-23·7	-24·7	-19·5	-11·5	-6·0	-1·8	-0·9	-9·5	-16·1	-18·4	-20·2	-18·3	-5·8	+8·0	+24·7	+34·1	+36·5	+37·4	+35·3	+25·2	+14·4	-5·2	-15·4	-18·5
Winter	-21·6	-19·7	-16·3	-7·3	-3·5	+3·2	+5·7	+4·1	+2·9	+1·9	-5·9	-9·1	-5·4	+3·0	+10·7	+16·8	+14·7	+14·8	+19·5	+16·1	+3·9	-2·9	-10·2	-15·3
Equinox	-28·3	-35·2	-27·2	-20·2	-12·1	-4·9	-2·7	-11·9	-21·7	-27·3	-27·1	-19·3	-3·4	+19·1	+41·8	+50·4	+48·4	+51·7	+41·9	+27·9	+10·2	-12·1	-18·4	-19·7
Summer	-21·1	-19·2	-15·1	-6·9	-2·5	-3·7	-5·6	-20·6	-29·5	-29·8	-27·7	-26·6	-8·7	+1·9	+21·6	+35·1	+46·3	+45·7	+44·5	+31·7	+28·9	-0·6	-17·7	-20·7

60. LERWICK DECLINATION (DISTURBED DAYS) 1935

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	-6·23	-3·00	-5·90	-4·00	-4·55	-0·34	+0·01	+1·70	+3·54	+4·48	+4·43	+4·74	+5·06	+7·29	+4·77	+6·13	+2·72	+3·73	+2·16	-1·79	-3·77	-5·69	-10·64	-4·85
February	-8·75	-5·17	-6·26	-6·53	-1·83	-0·26	+0·77	+0·61	+2·82	+2·95	+3·75	+5·78	+7·13	+6·97	+8·48	+6·99	+4·23	+4·20	+3·13	-1·45	-4·08	-7·97	-7·31	-8·20
March	-1·29	-1·72	-3·85	-1·98	-2·58	-2·96	-2·07	+1·93	+1·35	+1·81	+2·80	+4·59	+7·40	+10·62	+6·58	+5·64	+2·69	-5·72	-5·93	-3·54	-4·09	-4·08	-4·62	-0·98
April	-3·84	-3·29	-0·94	-3·67	-6·10	-2·51	-0·90	-2·59	-2·06	-0·39	+1·37	+4·20	+7·69	+8·24	+9·58	+5·93	+3·19	+2·55	-0·36	-2·34	-3·92	-2·27	-3·30	-4·27
May	-5·99	-7·19	-8·33	-1·05	-2·97	-3·84	-3·62	-2·00	-1·12	-1·52	+1·20	+4·26	+6·88	+8·20	+7·22	+5·74	+5·76	+4·94	+2·72	+2·71	+0·43	-1·33	-1·87	-9·23
June	-9·85	-7·51	-9·58	-6·28	-7·83	-6·37	-8·00	-6·79	-3·98	-2·16	-1·00	+3·05	+6·87	+8·52	+9·17	+9·49	+10·05	+10·58	+7·75	+5·86	+0·98	+1·23	-0·77	-3·43
July	-3·88	-4·00	-5·27	-4·56	-4·41	-3·70	-4·42	-4·26	-0·75	-0·14	+0·12	+2·93	+6·21	+7·27	+6·17	+5·43	+4·22	+3·41	+2·03	+0·51	+0·88	+1·28	-1·45	-3·62
August	-3·63	-4·44	-3·46	-2·77	-4·30	-4·88	-4·06	-3·72	-1·51	+0·38	+2·67	+5·24	+7·04	+6·91	+5·30	+3·35	+2·24	+1·63	+1·75	+0·84	+0·15	-0·36	-2·46	-1·91
September	-3·61	-9·03	-12·64	-10·25	-1·28	-0·68	-3·53	-1·27	-0·42	+2·65	+3·90	+7·24	+9·48	+10·54	+6·46	+6·53	+3·61	+5·81	+1·54	+0·50	-0·88	-1·27	-6·97	-6·43
October	-2·96	-2·75	-3·61	-2·95	-3·27	-3·16	-2·05	+0·66	-0·85	-0·77	+0·76	+3·45	+6·97	+10·02	+11·72	+10·02	+6·46	-1·79	-2·96	+0·69	-5·06	-7·56	-6·31	-4·70
November	-6·27	-1·17	+0·40	-0·24	+1·44	+1·69	+1·05	+1·37	+1·00	+0·66	+1·18	+3·21	+4·43	+4·86	+4·96	+3·96	-0·35	-0·11	-0·57	-2·94	-2·46	-4·16	-4·65	-7·29
December	-5·69	-5·92	-7·25	-6·52	-4·10	-2·57	+1·08	+1·62	+1·26	+1·99	+3·08	+5·27	+4·94	+5·69	+4·84	+5·31	+5·12	+4·79	+3·30	+2·10	-1·17	-4·52	-7·61	-5·04
Year	-5·17	-4·60	-5·56	-4·23	-3·48	-2·47	-2·14	-1·06	-0·06	+0·83	+2·02	+4·50	+6·67	+7·93	+7·10	+6·21	+4·16	+2·83	+1·21	+0·10	-1·92	-3·06	-4·83	-5·00
Winter	-6·73	-3·81	-4·75	-4·32	-2·26	-0·37	+0·73	+1·33	+2·15	+2·52	+3·11	+4·75	+5·39	+6·20	+5·76	+5·60	+2·93	+3·15	+2·01	-1·02	-2·87	-5·59	-7·55	-6·35
Equinox	-2·93	-4·20	-5·26	-4·71	-3·31	-2·33	-2·14	-0·32	-0·49	+0·83	+2·21	+4·87	+7·89	+9·85	+8·59	+7·03	+3·99	+0·21	-1·93	-1·17	-3·49	-3·79	-5·30	-4·09
Summer	-5·84	-5·79	-6·66	-3·67	-4·88	-4·70	-5·03	-4·19	-1·84	-0·86	+0·75	+3·87	+6·75	+7·73	+6·97	+6·00	+5·57	+5·14	+3·56	+2·48	+0·61	+0·20	-1·64	-4·55

61. LERWICK VERTICAL FORCE (DISTURBED DAYS) 1935

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
	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	-12·9	-28·9	-66·9	-29·0	-24·6	-28·4	-18·0	-10·9	-6·5	+0·1	+5·6	+11·6	+19·4	+21·2	+21·7	+23·9	+29·5	+24·4	+25·8	+39·0	+29·8	+1·9	-10·5	-17·3
February	-58·1	-59·2	-80·1	-69·9	-70·3	-50·6	-32·7	-18·5	-10·4	-5·2	+2·7	+12·4	+19·3	+32·4	+31·7	+47·7	+68·1	+79·6	+95·3	+90·3	+39·6	+11·0	-21·5	-53·6
March	-42·6	-51·1	-44·3	-42·7	-39·5	-31·9	-21·0	-21·8	-17·7	-2·0	-1·1	+5·0	+14·2	+26·0	+55·1	+65·7	+73·2	+68·3	+61·0	+21·9	-5·7	-30·8	-19·8	-18·4
April	-41·5	-64·1	-65·0	-67·3	-57·4	-45·0	-28·6	-6·0	+6·7	+10·1	+21·5	+31·4	+30·2	+36·4	+50·8	+72·5	+62·0	+64·1	+56·9	+45·4	+31·9	-24·1	-58·6	-62·3
May	-57·2	-52·3	-45·8	-43·1	-44·2	-11·7	+1·1	+5·0	+1·3	+5·6	+7·1	+6·4	+5·5	+9·4	+23·9	+36·2	+33·9	+42·2	+41·8	+32·9	+33·0	+16·7	-7·0	-40·7
June	-82·9	-69·4	-70·4	-57·9	-25·5	-8·3	-3·7	+3·3	+2·6	+6·2	+8·5	+7·0	+7·4	+28·3	+49·0	+83·0	+82·1	+76·4	+61·2	+28·5	+1·5	-19·2	-44·8	-62·9
July	-29·7	-62·0	-30·7	-25·2	-33·2	-35·2	-24·2	-11·1	-14·4	-13·9	-2·0	+7·9	+16·9	+31·4	+30·9	+36·6	+43·3	+39·5	+43·5	+38·6	+27·2	+18·7	-17·0	-35·9
August	-35·3	-24·9	-19·2	-13·7	-10·6	-3·8	-3·8	-1·6	-0·5	-3·1	-3·9	-3·8	-4·6	+1·4	+6·2	+12·9	+20·2	+22·3	+26·7	+26·8	+16·9	+12·1	+1·4	-18·1
September	-76·8	-90·0	-68·6	-74·3	-77·9	-63·7	-36·3	-9·7	+4·1	+14·2	+15·2	+19·6	+26·4	+43·2	+66·4	+70·7	+74·1	+83·7	+90·1	+68·7	+38·7	-11·4	-47·6	-58·8
October	-44·3	-38·9	-33·0	-30·8	-28·9	-27·7	-28·7	-25·0	-25·0	-22·7	-15·7	0·0	+27·2	+28·9	+50·5	+82·2	+88·0	+74·9	+56·9	+48·1	-2·0	-27·6	-53·1	-53·3
November	-43·3	-35·8	-29·9	-19·3	-20·0	-23·8	-17·7	-13·6	-11·6	-8·3	-4·8	-1·9	+3·3	+5·4	+12·6	+35·5	+69·8	+70·7	+44·6	+35·4	+14·6	+3·2	-23·2	-41·9
December	-4·9	-8·2	-17·6	-28·7	-29·2	-25·6	-23·4	-39·5	-33·3	-24·0	-14·5	-9·1	-8·0	-2·3	+7·7	+13·2	+31·1	+33·5	+57·1	+51·8	+42·2	+31·9	+11·4	-11·6
Year	-44·1	-48·7	-47·6	-41·8	-38·4	-29·6	-19·7	-12·5	-8·7	-3·6	+1·5	+7·2	+13·1	+21·8	+33·9	+48·3	+56·3	+56·6	+55·1	+43·9	+22·3	-1·5	-24·2	-39·6
Winter	-29·8	-33·0	-48·6	-36·7	-36·0	-32·1	-22·9	-20·6	-15·5	-9·3	-2·7	+3·3	+8·5	+14·2	+18·4	+30·1	+49·6	+52·1	+55·7	+54·1	+31·5	+12·0	-10·9	-31·1
Equinox	-51·3	-61·0	-52·7	-53·8	-50·9	-42·1	-28·7	-15·6	-8·0	-0·1	+5·0	+14·0	+24·5	+33·6	+55·7	+72·8	+74·3	+72·7	+66·2	+46·0	+15·7	-23·5	-44·8	-48·2
Summer	-51·3	-52·1	-41·5	-35·0	-28·4	-14·7	-7·7	-1·1	-2·7	-1·3	+2·4	+4·4	+6·3	+17·6	+27·5	+42·2	+44·9	+45·1	+43·3	+31·7	+19·7	+7·1	-16·9	-39·4

†See page 23.

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1935

NOTE.- The ranges are those shown in Tables 53 to 61 in the preparation of which the non-cyclic change has been eliminated

62. LERWICK 1935

	All Days			Quiet Days			Disturbed Days		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January	16·1	6·98	32·0	11·6	4·02	12·5	54·8	17·93	105·9
February	21·3	8·87	53·6	15·1	4·52	7·7	79·2	17·23	175·5
March	32·8	10·16	51·8	24·6	8·27	14·4	77·7	16·54	124·3
April	55·3	10·44	37·2	43·3	10·02	7·8	107·4	15·68	139·8
May	49·9	10·11	29·5	52·3	9·61	16·3	78·5	17·43	99·4
June	69·8	13·61	46·8	56·2	12·45	17·4	199·7	20·43	165·9
July	50·4	12·39	30·4	46·8	13·06	19·0	77·8	12·54	105·5
August	49·2	11·78	27·0	40·1	11·23	16·2	61·0	11·92	62·1
September	51·6	12·11	68·0	40·5	7·97	14·1	154·0	23·18	180·1
October	36·3	9·86	50·2	41·4	7·79	8·8	108·2	19·28	141·3
November	19·6	7·42	32·0	18·8	4·73	5·3	35·9	12·25	114·0
December	15·8	7·82	28·7	12·1	3·85	6·9	35·2	13·30	96·6
Year	37·1	8·46	37·3	31·3	7·63	8·8	62·1	13·49	105·3
Winter	16·2	7·57	33·2	11·3	3·86	4·7	41·1	13·75	104·3
Equinox	42·4	10·07	49·3	36·4	8·35	8·8	86·9	15·15	135·3
Summer	54·4	11·97	32·2	47·6	11·54	16·1	76·1	14·39	97·2

AVERAGE DEPARTURE

63. LERWICK 1935

	All Days			Quiet Days			Disturbed Days		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January	3·9	1·78	7·4	2·1	0·73	3·2	11·3	4·23	21·2
February	5·5	2·28	13·4	3·4	1·06	1·6	16·1	4·82	44·2
March	7·2	2·70	12·1	5·7	2·02	3·8	18·0	3·76	32·5
April	11·6	2·58	9·7	11·2	2·15	2·1	26·8	3·56	43·3
May	11·3	2·76	7·1	12·4	2·29	3·7	20·2	4·17	25·2
June	16·2	3·55	9·5	13·1	2·80	4·0	41·8	6·13	37·1
July	13·1	3·01	7·0	11·6	3·09	4·6	20·9	3·37	27·9
August	11·6	2·64	6·1	10·2	2·32	3·7	13·8	3·13	12·2
September	13·3	3·13	18·5	9·5	1·92	3·2	34·7	4·85	51·3
October	8·3	2·55	13·3	9·8	1·87	1·9	20·8	4·23	38·1
November	4·7	1·54	8·1	4·1	1·21	1·0	7·1	2·52	24·6
December	3·9	1·88	8·4	2·5	1·19	1·7	7·8	4·20	23·3
Year	8·3	2·42	9·5	7·5	1·82	2·1	18·0	3·63	30·0
Winter	4·2	1·84	9·3	2·7	1·01	1·3	9·7	3·80	27·4
Equinox	9·5	2·68	13·2	8·9	1·95	2·3	24·3	3·79	40·1
Summer	12·2	2·98	7·2	11·6	2·59	3·6	21·3	4·14	24·3

NON-CYCLIC CHANGE †

64. LERWICK 1935

	All Days			Quiet Days			Disturbed Days		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January	+0·1	-0·01	-0·5	0·0	-0·48	+1·3	-1·0	+2·14	-8·9
February	0·0	-0·08	0·0	+4·1	-0·03	+4·4	-8·6	+0·16	-4·4
March	+0·1	0·00	+0·3	+3·2	+1·53	+6·1	-7·7	+2·51	-5·6
April	+0·7	-0·03	-0·1	+2·1	+0·48	+2·5	-6·1	+0·06	-2·9
May	-0·4	-0·02	+0·5	+5·9	+0·21	-1·1	-7·2	-1·90	+0·2
June	0·0	-0·03	-0·1	+2·7	+0·11	-3·9	-18·0	-1·31	-17·7
July	-0·1	-0·02	-0·7	+3·8	+0·02	-3·9	-18·3	-1·58	-30·9
August	-0·6	+0·15	-0·9	+2·6	+0·13	+1·2	-5·5	-0·77	-11·5
September	-1·7	-0·30	-1·5	-0·3	-0·05	+5·5	-42·0	-6·30	-18·8
October	+1·4	-0·10	+2·9	+4·3	+0·48	+8·0	-32·8	-3·66	-20·3
November	-0·1	+0·05	+0·7	+3·4	+1·47	+0·9	- 9·2	-0·40	-12·7
December	+0·1	-0·03	0·0	+0·3	+0·37	+1·0	-0·9	-1·47	-14·2
Year 1935	--	--	--	--	--	--	--	--	--

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

65. LERWICK 1935

HR_H	VR_V	Sum	Mean Character Figure
106	348	454	0·71
124	504	628	0·86
118	480	598	0·84
147	386	533	0·80
141	350	491	0·77
226	510	736	0·83
136	347	483	0·65
101	246	347	0·65
220	680	901	0·97
171	571	742	0·97
83	343	427	0·53
89	344	433	0·61
139	426	564	0·78

*See page 40
†See page 23

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 1935

	Horizontal Force 14,000γ+			Declination (West) 13° +			Vertical Force 46,000γ+			North Component All days	West Component All days	Inclination (North) All days		Total Force All days
	a	q	d	a	q	d	a	q	d					
	γ	γ	γ	′	′	′	γ	γ	γ	γ	γ	°	′	γ
January	448	456	440	14·5	15·4	12·7	748	746	741	14064	3309	72	49·5	48930
February	445	447	435	13·7	13·9	13·2	746	747	742	14061	3305	72	49·7	48927
March	449	451	447	13·1	13·1	13·3	748	749	747	14066	3304	72	49·5	48930
April	449	453	436	12·3	12·2	13·2	747	748	733	14067	3301	72	49·4	48929
May	456	458	451	11·0	11·4	10·9	755	759	742	14075	3297	72	49·1	48939
June	456	458	449	10·3	10·2	10·2	759	762	751	14076	3294	72	49·2	48943
July	453	455	448	9·4	9·1	10·2	753	755	748	14074	3290	72	49·3	48936
August	452	452	454	8·2	8·4	8·1	759	758	763	14074	3285	72	49·5	48942
September	437	443	426	7·3	7·3	6·8	759	764	749	14060	3278	72	50·5	48937
October	435	441	435	5·9	6·1	5·8	770	765	784	14059	3271	72	50·9	48947
November	438	441	434	4·5	4·4	3·8	775	774	780	14063	3266	72	50·8	48952
December	435	440	432	3·8	4·2	3·3	778	774	788	14062	3263	72	51·0	48955
Year	446	450	441	9·5	9·6	9·3	758	758	756	14067	3289	72	49·9	48939

67. LERWICK 1935

Date			Month
			JANUARY
1	c	..	Cloudy.
2	c	..	"
3	c	..	Very cloudy.
4		♛	Faint glow 19h, faint rays 22h 50m. Cloudy.
5	c	..	Some cloud.
7	c	..	Very cloudy.
8	ca	..	Variable cloud.
12	b	..	Variable cloud, moonlight.
13	c	..	Very cloudy, moonlight.
14	c	..	" " "
15	c	..	" " "
16	a-cb	..	Cloud increasing, moonlight.
20	c	..	Very cloudy, moonlight.
21	c	..	Very cloudy.
22	c	..	" "
23	c	..	" "
25		♛	Faint glow 19h.30m. gradually disappearing.
26	c	..	Variable cloud.
27		♛	Moderate glow to about 45° altitude through breaks in cloud 18h onward. No activity visible.
28	c-a	..	Overcast at first, clearing after 20h.
30	c	..	Cloud variable, overcast at times, fine periods.
31	a	..	Fine.
			FEBRUARY
1		♛	Moderate glow to 60° altitude all evening; few rays through breaks in cloud 18h. Cloudy.
2		♛	Moderate glow with occasional rays, 18h onward. Cloudy.
3		♛	Moderate glow 20h 15m onward. Cloudy till 21h 45m, then clearing.
4	c	..	Very cloudy.
5		♛	Faint glow through breaks in cloud, 21h 15m onward, cloudy all evening.
6	ca	..	Moderate cloud.
8	c	..	Cloudy.
9	c	..	Overcast after 19h.
10	b-c	..	Cloudy.
12	cb	..	Overcast after 20h.
13	cb	..	Very cloudy.
14	b-cb	..	Cloud increasing; overcast after 21h.
15	c	..	Overcast after 20h.
16	cb	..	Variable cloud, moonlight.
19	a-b-c	..	Clear at first, becoming cloudy with moonlight; very cloudy after 21h.
20	a	..	Clear at first, cloudy after 21h.
22	c	..	Overcast till 21h, then very cloudy.
23		♛	Moderate glow in fair intervals most of evening; variable cloud.
24		♛	Moderate glow 19h 20m onward; faint arc above glow at 20h 35m faded 21h 15m. Cloud moderate.
25		♛	Faint glow through breaks in cloud 21h 45m onward. Cloud moderate.
26		♛	Faint glow through breaks in cloud 21h 45m onward. Cloud moderate, increasing after 21h.
27	c		Very cloudy.

Date			Month
			MARCH
4	a-c	..	Variable cloud, increasing.
5	a	♛	Faint glow. Moderate cloud all evening.
6	a-c	..	Fine at first, cloud increasing.
7	a	..	Fine.
8	c	..	Very cloudy.
9	a	..	Fine most of evening.
10	b	..	Fine, moonlight.
11	c-b	..	Cloudy at first, clearing after 20h; moonlight.
12	b	..	Fine, moonlight.
13	c	..	Very cloudy, moonlight.
14	b	♛	Few rays 19h 50m. Fine moonlight.
16	b	..	Fine, hazy.
17	c	..	Very cloudy.
19	c	..	" "
21	c	..	" "
22	a	..	Some cloud.
23	c	..	" "
25	c	..	Very cloudy.
26	c	..	" "
27	c	..	" "
29	c-a	..	Cloudy at first, clearing after 21h.
31	a	..	Variable cloud with fine periods till 21h, then overcast.
			APRIL
1	ca	..	Variable cloud all evening, fine at times.
2	a	..	Fine till 21h, then cloudy.
3	ca	..	Variable cloud all evening, fine at times.
4	ca	..	Cloudy, overcast at times.
5	a	..	Fine (daylight till 20h.)
6	a	..	"
7	a	..	Some cloud, moonlight.
8	a	..	Fine, moonlight.
10	c	..	Very cloudy, mainly overcast.
11	c	..	" " " "
12	a	..	Some cloud, moonlight.
13	ca	..	" "
14	b-a	..	" "
17	c	..	Very cloudy.
24	cb	..	Daylight till 21h.
28	c	..	Very cloudy.
29	c	..	" "
			SEPTEMBER
1	cb	..	Overcast till 21h, then moderate cloud.
2	b	..	Overcast till 21h, then moderate cloud.
3	cb	..	Cloudy.
4		♛	Very cloudy. Glow low in N, 21h 30m onward.
5	ca	..	Very cloudy.
6		♛	Feeble glow low in N, 21h 15m onward. Fine at first, cloud after 21h.
7	c	♛	Feeble glow through breaks in cloud about 22h, very cloudy.
8	c	..	Very cloudy.
14	c	..	" "
16	a	..	Fine to cloudy.
18		♛	Glow through breaks in cloud 21h 30m.
19		♛	Glow through breaks in cloud 21h 30m.
20	ca	..	Cloudy.
21	a-c	..	Variable cloud, fine periods.

Date			Month
			SEPTEMBER (Contd.)
23		♛	Aurora present all evening, but type could not be seen owing to cloud.
24	a	♛	Glow, dusk onward, with tendency to form weak arc. Fine.
25	a	♛	Glow 20h 45m, becoming narrow arc 20h 50m, gone by 21h, then glow. Faint rays and glow 21-22h. Fine.
27		♛	Glow. Very cloudy.
29	ca	..	Cloudy till 20h, then very cloudy.
			OCTOBER
2	cb	..	Very cloudy till 19h, then overcast.
4	c	..	Variable cloud.
7	cb	..	Cloudy till 19h, then overcast.
8	cb	..	Some cloud, moonlight.
9	cb	..	Variable cloud, moonlight.
10	cb	..	" " "
11	cb	..	" " "
12	cb	..	Very cloudy after 19h.
14	cb	..	Mainly overcast.
16	ca	..	Variable cloud, overcast at times.
17	ca	..	Variable cloud, overcast at times.
18	ca	..	Overcast till 20h, then very cloudy.
20		♛	Glow 18h till 19h 30m. Arc 19h 30m. till 19h 40m. Rays at times 19h 30m till 20h 30m. Variable cloud, clear intervals.
21		♛	Glow 19h to 22h. Rays 20-21h. Cloudy.
22	c	..	Very cloudy.
23	c	..	Very cloudy till 20h, then overcast.
25		♛	Glow 21-22h. Rays 22h 30m. Overcast till 21h, then cloudy.
26	ca	..	Cloudy.
27		♛	Glow from 19h. Bright and active aurora from 21h 45m, diminishing in intensity till 23h, then glow. Variable cloud, overcast at times after 22h.
28	c	..	Cloudy, becoming overcast after 20h.
29	c	..	Cloud variable, fine periods.
30	c	..	Overcast after 19h.
31	ca	..	Cloudy.
			NOVEMBER
7	cb	..	Cloudy till 19h, then very cloudy or overcast.
9	cb	..	Mainly overcast, moonlight.
10	cb	..	" " "
11	cb	..	" " "
12	c-b	..	Very cloudy till 20h, then clearing, Moonlight.
13	c	..	Cloudy.
14	b	♛	Bright rays 18-19h. Fine, moonlight after 19h.
16	ca	..	Fine.
21	c	..	Very cloudy, overcast after 20h.
22	c	..	Very cloudy, overcast after 20h.

Date			Month
			NOVEMBER (Contd.)
23	ca	..	Cloudy at first, becoming overcast after 20h.
24	cb	..	Very cloudy or overcast.
25	ca	..	Very cloudy, but clear intervals 21-22h.
27		♛	Glow after dusk; few rays NNE after 18h 15m; very cloudy after 18h 40m, overcast after 21h.
28	ca	..	Cloudy till 19h, then overcast
29		♛	Glow 18h 30m onward seen through clouds.
30		♛	Glow all evening. Rays at 21h 20m. Very cloudy.
			DECEMBER
2	b	..	Mainly fine; cloudy after 21h. Moonlight.
3	cb	..	Cloudy, moonlight.
4	b	..	Fine, moonlight.
5	b	..	Mainly fine, moonlight.
6	b	..	Fine, moonlight.
7	b	..	Cloudy, moonlight.
8	cb	..	" "
9	cb	..	" "
10	b	..	Very fine, moonlight.
11	c	..	Very cloudy.
13		♛	Glow in N 18-20h, not visible after moonrise. Fine.
16	a-ca	..	Fine till 19h, then variable cloud.
17	ca	..	Cloudy.
18	a	..	Some cloud.
19		♛	Glow through breaks in cloud most of evening.
20	ca	..	Cloudy.
21	ca	..	Moderate cloud till 19h, then becoming overcast.
22	a	..	Fine.
23	a	♛	Faint luminosity in N 21h onward. Variable cloud fine periods.
24	a	..	Some cloud.
29	ca	..	Cloudy.

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 ♛. 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 1935

Date	Month
	JANUARY
1	A., faint 18·00-19·00.
21	G.C.
23	G.C.
27	Kettins; Carnoustie, 20·00; Eskdalemuir.
28	B.
	FEBRUARY
1	Kirkwall, dim, 20·00; Duntuilm; Tiree.
2	Kirkwall; A.; Edinburgh 18·00-20·00, bright arch.
23	Duntuilm.
24	G.C.
25	Duntuilm.
	MARCH
3	Duntuilm.
7	B.; Duntuilm.
12	Cape Wrath, 22·30-23·45; Inverness, 22·00.
14	B.; Kirkwall, 20·00; D, 21·00
24	Wick.
	APRIL
2	G.C.
5	G.C.
8	G.C.
9	Wick, 02·30.
10	G.C.
12	G.C.; Duntuilm
23	G.C.
	MAY
31	Eskdalemuir.
	JUNE
	Nil.
	JULY
	Nil.
	AUGUST
12	B., 22·00.
20	Pentland Skerries, 23·30.
27	Ailsa Craig, 22·30 - 23·00.
	SEPTEMBER
2	D., 21·00.
4	Eskdalemuir, glow and streamers.
6	G.C.
15	Kirkwall, 22·00.
16	Cape Wrath, NW, 21·30.
19	G.C.
23	Kirkwall after 20·00; A., Edinburgh 21·00, bright arch with streamers; Eskdalemuir; Tiumpanhead, 21·30 - 04·30 of 24th; Sule skerry, 24·00, Montroseness, 24·00 to 02·00 of 24th, bright display.
24	Kirkwall, after 20·00; Stornoway, first observed 01·00, most intense 02·10, when arches resembled a swaying streak of light, NNW, height 45°, most prominent streamers NW to NNW, height approximately 80°; Wick, 21·00; G.C.; A.; Eskdalemuir, streamers; Sule Skerry, 21·00 - 24·00; Cape Wrath, N, 20·00 - 21·00; Duncansby Head, 00·00 - 04·00; Dunnet Head, 24·00, exceptionally bright in N; Ardnamurchan, 20·00 to 04·00 of 25th; Lismore
25	Duncansby Head, 00·00 to 03·00; Lismore.
26	Duncansby Head, 01·00 - 04·00.
30	D.; Kirkwall, 20·00; G.C., very bright; A.; Duntuilm, fine display about 21·00; Eskdalemuir; Cape Wrath, NE, 21·00; Hoy Low, vivid display, 21·00; Montroseness, 20·30 - 21·30.
	OCTOBER
1	G.C.
	OCTOBER (Contd.)
4	D.
10	G.C.
20	Kirkwall, 20·00; Duntuilm; A.; Arbroath, 21·00; G.C.; Montrose; Paisley, 21·30; Edinburgh, 19·00 - 23·00; Eskdalemuir, glow.
21	B.; D.; Kirkwall, 20·00; Wick, N at 20·10; G.C.; A.; Edinburgh, 23·00; Dungavel; Eskdalemuir, glow, arc, streamers; Pentland Skerries.
22	Kirkwall, 20·00.
24	D.
25	B.; Kirkwall, 21·00; Wick, N, 22·15; G.C.; A.; Arbroath, NNW, 21·00; Edinburgh, 22·00.
26	Pentland Skerries, 22·00; D.
27	B.; D.; Kirkwall, 21·00; Crieff.
30	Duntuilm.
31	Kirkwall, 22·00.
	NOVEMBER
2	Wick, 01·00; Duntuilm; Cape Wrath, NW, 21·00.
6	G.C.
12	B.;
14	B.; D.; Kirkwall, 18·30; Cape Wrath, N, 20·00-21·00
16	Duntuilm.
18	Duntuilm.
29	A., faint after 18·00
30	Duntuilm; G.C.
	DECEMBER
4	G.C.
	DECEMBER (Contd.)
5	G.C.
9	B.
14	Duntuilm; G.C.
16	D, 21·00.
28	Duntuilm.

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.

M.O. 390
(Aberdeen)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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
1937

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 four 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 (1km.) 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.

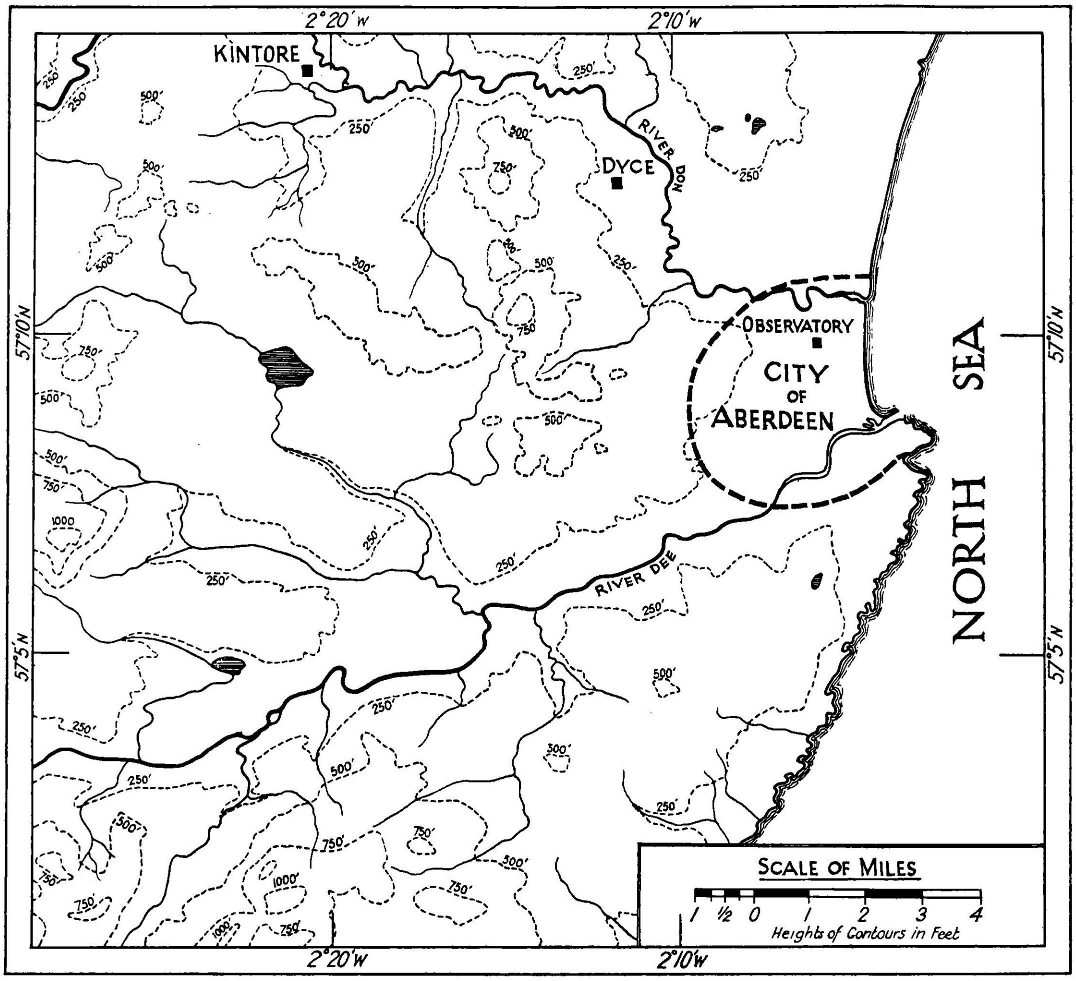


FIG. 5.—CONTOURED MAP OF SURROUNDINGS OF ABERDEEN OBSERVATORY.

FIG. 6.—AERIAL PHOTOGRAPH FROM W.S.W., 800 FEET.

A.—OBSERVATORY TOWER. B.—INSTRUMENT ENCLOSURE.

To face p. 90

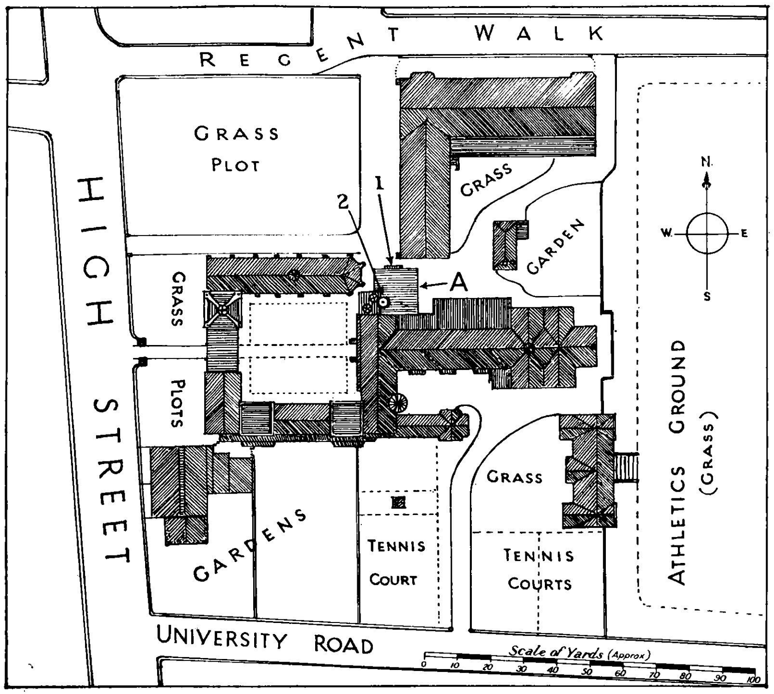


FIG. 7.—PLAN SHOWING SURROUNDINGS OF OBSERVATORY TOWER, KING'S COLLEGE.

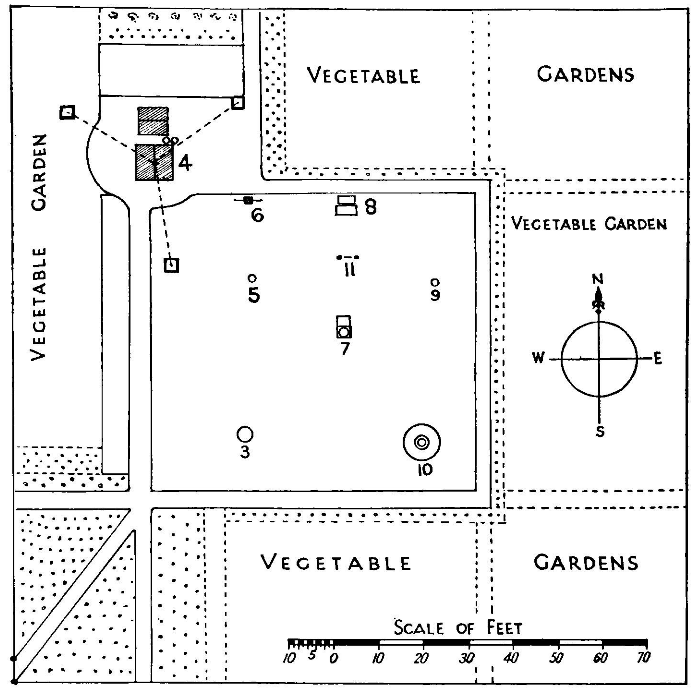


FIG. 8.—PLAN SHOWING ARRANGEMENT OF INSTRUMENTS IN THE ENCLOSURE.

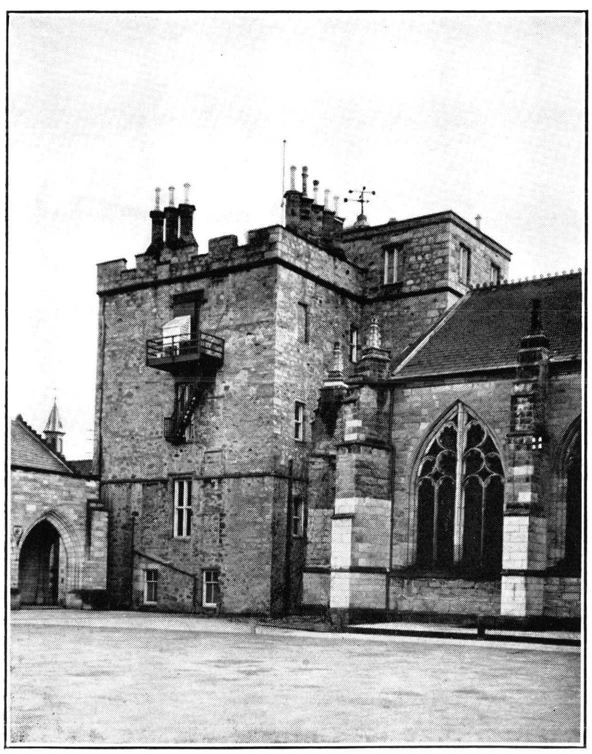


FIG. 9.—VIEW OF OBSERVATORY TOWER FROM N.W.

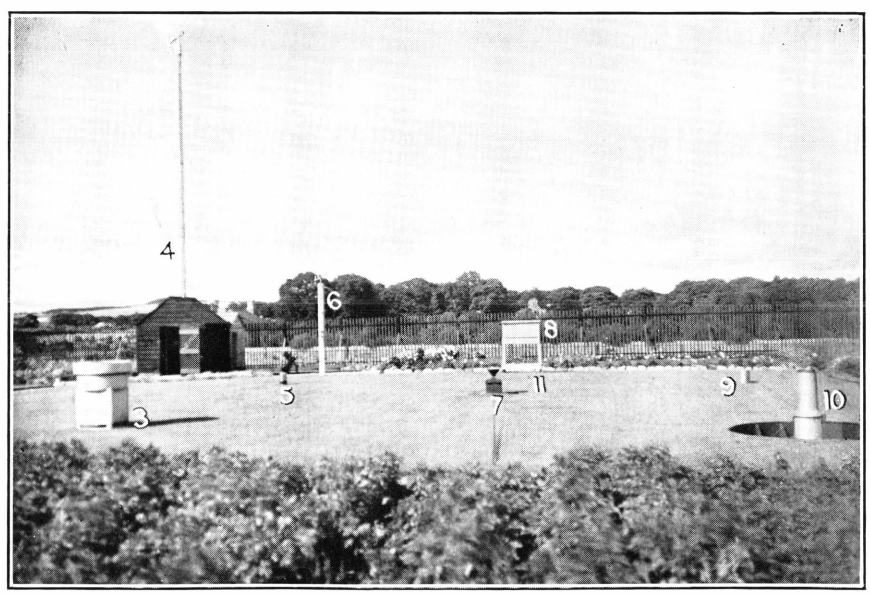


FIG. 10.—VIEW OF ENCLOSURE FROM S.

A.—OBSERVATORY TOWER.
1.—NORTH WALL SCREEN.
3.—JARDI RATE OF RAINFALL RECORDER.
5.—CHECK RAINGAUGE, 8 INCH.
7.—BECKLEY SELF RECORDING RAINGAUGE.
9.—TELEGRAPHIC RAINGAUGE, 8 INCH.
11.—EARTH THERMOMETERS AND SUPPORT FOR GRASS MINIMUM THERMOMETER.

2.—SMALL CIRCULAR TOWER ON TOP OF OBSERVATORY TOWER ON WHICH ARE SITUATED THE ROBINSON CUP ANEMOGRAPH AND CAMPBELL STOKES SUNSHINE RECORDER.
4.—DINES PRESSURE TUBE ANEMOMETER.
6.—BESSON COMB NEPHOSCOPE.
8.—STEVENSON SCREEN.
10.—HELLMANN-FUESS SNOWGAUGE.

New plans and photographs appear in the present volume. 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.

<u>Pressure and Temperature</u>.- 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 emphasised 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 1935.

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 ± 0·5 inches, focal length 2·95 ± 0·1 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 1935 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 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.

*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. Up to 8th October, 1935, the instrument in use was the spirit-minimum thermometer M.O. 17944/27, whose readings require no correction. On the 9th October 1935 there was brought into use a new 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 Athletics 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 ..	$1\frac{1}{5}$ miles	S.S.E.
	(ii) Coastguard watch-tower	$1\frac{1}{3}$ "	N.E.
H	(i) Girdleness Lighthouse-top	2 "	S.E.
	(ii) Springhill House	$2\frac{1}{2}$ "	W
I (i)	No object. Estimate between Strabathie Hill ($3\frac{1}{2}$ miles) and Brimmond Hill (5 miles).	($3\frac{1}{2}$ ") ($5\frac{1}{4}$ ")	N.N.E. N.W.
J (j)	No object. Estimate between Brimmond Hill ($5\frac{1}{4}$ miles) and Sea horizon (10 miles).	($5\frac{1}{4}$ ") (10 ")	N.W. E.
K (k)	Sand-patch, mouth of Ythan River	$12\frac{1}{2}$ "	N.N.E.
L (l)	Cruden Scaurs	$18\frac{2}{3}$ "	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 1935.

The following were the instruments actually in use during the year 1935:-

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. 1705/33 and 1744/34
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. 17944/27 and 60385/35

REVIEW OF METEOROLOGICAL RESULTS

Pressure:- The mean pressure for the year 1935 was about 2 mb. below the normal value. Only the months of July and August showed anything like a close approach to their normal values, whereas excesses of 8 to 10 mb. were recorded in January, March and May, and deficits of over 9 mb. in February, September and October. The largest departure was recorded in February, whose mean pressure of 998·4 mb. was 12·2 mb. below the normal. February was the month with the lowest mean pressure and May that of highest mean pressure. The absolute extremes of pressure, at Mean Sea Level, for the year were 1046·0 mb. on 9th March and 959·5 mb. on 19th October:- giving a range for the year of 86·5 mb. Very great ranges of pressure were shown in several individual months; December showed a range of about 80 mb., January 73 mb., and February 63 mb. The most striking movement of pressure occurred between the 18th and 20th October, when the pressure fell nearly 57 mb. in 22 hours, and rose subsequently over 51 mb. in 37 hours.

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 in earlier volumes of the Year Book they were so quoted; the angles have now however been converted to Local Mean Time, and the amplitudes have been rounded off to ·01 mb.

---

* 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 $\Sigma c_n \sin(15nt^\circ + \alpha_n)$, 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	
	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
January	·14	·09	144	169	·16	·23	113	146	·15	·13	355	348	·06	·05	134	211
February	·57	·16	151	173	·25	·27	135	143	·07	·10	1	346	·03	·03	69	84
March	·21	·16	206	156	·32	·29	154	147	·05	·05	333	330	·04	·03	21	27
April	·60	·15	150	155	·29	·28	145	151	·04	·02	4	188	·04	·04	5	359
May	·17	·10	58	136	·22	·24	138	145	·04	·06	146	166	·02	·02	278	333
June	·12	·06	165	104	·21	·22	129	141	·03	·07	148	155	·02	·01	304	331
July	·12	·09	112	135	·19	·21	149	142	·03	·07	134	155	·02	·01	104	339
August	·22	·11	179	161	·25	·23	139	144	·03	·04	192	165	·04	·03	326	333
September	·43	·12	145	147	·36	·29	147	151	·06	·03	351	346	·05	·05	8	345
October	·04	·15	181	187	·17	·27	149	156	·07	·07	19	0	·01	·03	67	34
November	·21	·13	105	201	·21	·23	175	159	·14	·10	4	4	·03	·01	209	186
December	·13	·16	284	169	·16	·21	147	147	·12	·12	19	357	·09	·05	240	205
Arithmetic Mean	·25				·23				·07				·04			
Year	·19	·12	150	162	·23	·25	144	148	·05	·03	9	359	·01	·01	331	338
Winter	·19	·13	145	178	·18	·23	143	149	·12	·11	9	353	·03	·03	193	194
Equinox	·30	·14	158	162	·28	·28	149	151	·05	·03	358	345	·03	·04	16	6
Summer	·11	·09	135	139	·22	·22	139	143	·03	·06	154	159	·02	·02	313	334

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

The variations in both the phase-angle and the amplitude of the 24-hour term are very considerable this year. The amplitude is very small in October, and large in February and April.

The 12-hour term also shows greater variation than is usual in both phase-angle and amplitude. The equinoctial maxima in amplitude are well marked, as also is the summer minimum, and they occur in the usual months.

This year the 8-hour term departs considerably from its usual course. The summer maximum of amplitude is suppressed and the equinoctial minima do not appear. The reversal of phase-angle occurs as usual but in spring its incidence is delayed for a month.

The 6-hour term shows close agreement with the normal in its amplitude variations and in the seasonal changes of phase-angle, though there is a tendency for the maximum to occur somewhat later than usual in the first half of the year, and rather earlier than usual in the latter half of the year.

<u>Temperature:</u>- The mean temperature for the year 1935 was about 0·5°A above the normal, but the departures of the individual months from their normal values, were, in all cases except one, less than 1·5°A. The exception is March which showed an excess of about 2°A. March and August were the months with greatest excess of temperature, while December showed the largest deficit. The highest temperature of the year was 297·9°A on 23rd July, and the lowest was 266·5°A on 24th December.

<u>Relative Humidity:</u>- Over the year there was an excess of 0·5 per cent in the relative humidity and in five of the individual months the departure from normal was 3 per cent or more. June showed an excess of 6 per cent, April

and December excesses of 5 per cent. September and October showed deficits of 3 per cent, despite the fact that both these months had excess rainfall, September, in fact, having nearly twice its normal amount.

Rainfall:- The precipitation in 1935 was 156 mm. above its average value, the total amount recorded being 904 mm. Four very wet months, April, June, September and November, with excesses of 57 mm., 64 mm., 52 mm., and 33 mm. respectively, contributed to this increase over the normal amount and no correspondingly large deficit was shown by any other month, the driest month being May whose fall of 41 mm. was only 18 mm. below the normal value. It is a curious coincidence that the falls recorded in the above mentioned wet months were of almost the same amounts, 105 mm., 107 mm., 108 mm. and 108 mm. respectively.

Sunshine:- The sunshine recorded during 1935 was about 1 per cent below normal. The largest departures occurred in July, whose value of 42 per cent of the possible was 13 per cent in excess of the normal value, April, whose 25 per cent of the possible was 10 per cent below normal, and June, whose 26 per cent of the possible showed a deficit of 8 per cent. The remaining nine months were all within 5 per cent of their normal values. On only 9 days of the year did the recorded sunshine reach or exceed 80 per cent of the possible,- the highest value, 85 per cent of the possible, occurring on 24th May and 31st October. The brightest day of the year was 24th May, when 14·5 hours were recorded, and on only two other occasions, 29th June and 11th July, did the day's sunshine reach or exceed 14 hours.

Wind Speed:- This year the mean value of wind-speed was only 3·6 m/s as compared with 4·6 m/s last year, but this decrease is due almost entirely to the adoption of the new basis of tabulation described on p.92 of this Introduction.

April was the month with the highest mean wind speed, the value recorded being 4·4 m/s, while August with 2·5 m/s had the lowest mean wind speed. The highest hourly speed recorded during the year was 17·1 m/s on 14th February.

Minimum Temperature on the Grass:- On 77 occasions during the year ground frost (less than 272·2°A) was recorded. The months of greatest frequency were February, November and December. From June to September inclusive, no occasion of ground frost was recorded. The lowest temperature "on the grass" was 263·1°A on 26th February.

Temperature in the Ground:- The annual mean temperature in the ground at a depth of 1 foot was 281·6°A, and that at 4 feet was 281·7°A. These compare with the annual mean temperature of the air of 281·35°A. At a depth of 1 foot the lowest mean monthly value was 276·6°A in February and the highest 288·5°A in August. The extremes values during the year were 289·8°A on 8th August and 275·6°A on 27th February. Corresponding values at a depth of 4 feet were 277·8°A in February and 287·0°A in August, with extremes of 287·3°A on 29th August and 277·5°A on 2nd March.

Cloud and Weather:- The annual mean cloud amount was 7·0 tenths. The cloudiest month was April with a mean cloud amount of 7·7 and the least cloudy months were July and December, both with a mean cloud amount of 6·2.

Aurora:- During the year 1935 Aurora was recorded on nine occasions, two in the earlier half of the year and seven in the later half. Dates of occurrence are given in the General Auroral Table.

General Remarks:- As a whole the year was wet and rather duller than normal, though there was a slight excess of temperature. The outstanding feature was the raininess of the usually relatively dry months of April, June and September. Other features of interest were the relatively high percentage of sunshine in July and low percentages in April and June.

PRESSURE

Readings in millibars at exact hours, Greenwich Mean Time

69. ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres — JANUARY, 1935

Hour G. M. T. / Day (Station Level)	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	008·6	009·1	009·6	009·8	009·8	010·0	010·3	010·5	011·5	011·8	012·3	012·6	012·6	013·4	013·9	014·6	015·6	016·1	016·6	016·6	017·2	017·4	017·4	017·5	012·9
2	017·5	017·6	017·7	017·6	017·9	018·3	018·5	019·6	020·0	020·9	021·4	021·7	021·9	022·2	022·5	023·3	023·9	024·6	025·1	025·2	025·1	025·4	025·4	025·5	021·5
3	025·1	025·1	025·0	024·6	024·1	023·6	022·9	022·2	021·6	021·2	020·9	019·4	018·3	017·4	016·4	015·4	014·9	015·5	015·9	015·9	016·0	015·9	015·8	015·9	019·7
4	015·4	014·9	014·6	015·0	014·6	014·9	015·0	015·2	015·6	016·2	016·8	017·2	017·4	017·2	017·2	017·7	017·7	016·2	018·2	017·6	017·3	017·5	017·5	017·4	016·5
5	017·5	017·6	017·3	017·1	016·4	016·4	016·0	016·0	015·9	015·8	015·6	015·4	014·8	014·4	013·8	013·8	013·6	013·2	013·0	012·6	013·0	013·3	013·5	013·4	015·1
6	013·6	014·0	014·5	014·6	014·8	015·2	015·8	015·8	016·1	016·2	016·8	016·4	016·0	016·2	016·2	016·5	016·6	016·7	017·0	017·2	017·5	018·1	018·8	019·1	016·1
7	019·6	020·0	020·3	020·8	021·0	021·5	022·2	022·4	022·6	022·8	023·2	023·1	023·2	023·3	023·6	024·0	024·1	024·2	024·2	024·2	024·1	024·3	024·5	024·4	022·7
8	024·1	023·9	023·8	023·7	023·4	022·9	022·9	022·7	022·7	022·6	023·0	022·5	022·2	021·9	021·4	021·4	021·4	021·1	021·1	021·0	021·3	021·3	021·4	021·2	022·4
9	021·0	020·9	020·8	020·5	020·1	020·2	020·1	020·1	020·2	020·2	020·3	019·5	019·1	018·9	018·3	018·1	017·8	018·3	018·0	017·9	017·9	017·4	017·1	016·4	019·2
10	016·1	015·9	014·6	013·5	013·0	012·6	012·0	012·0	012·3	012·2	012·4	012·4	012·1	011·8	011·6	010·9	010·3	010·0	009·0	008·8	008·7	008·3	008·0	007·5	011·7
11	006·9	005·7	004·8	003·5	002·2	000·2	998·1	995·9	994·6	994·1	993·0	992·1	991·6	990·5	990·4	989·8	989·5	990·7	991·1	991·9	992·1	992·9	993·6	993·7	995·7
12	994·0	994·5	995·0	995·6	996·1	997·1	998·3	999·7	000·9	001·6	003·2	003·8	004·6	004·7	005·6	005·7	005·9	006·0	005·9	005·8	005·8	005·8	005·8	006·5	001·7
13	006·9	007·1	007·9	007·9	008·0	007·7	007·7	007·5	007·5	007·7	007·5	006·3	005·4	005·0	004·5	004·0	003·3	002·5	001·7	001·2	000·8	000·7	000·7	000·7	005·1
14	001·1	001·4	001·9	002·5	003·3	003·8	005·1	006·4	007·6	008·3	009·5	010·6	011·1	011·8	012·7	013·5	014·6	015·6	016·1	016·6	017·3	018·2	019·0	019·3	009·9
15	019·7	019·9	020·5	021·0	021·4	022·1	022·9	023·8	024·4	025·1	025·6	025·6	025·7	025·9	025·9	026·7	027·3	027·6	027·7	027·6	027·5	027·3	027·2	026·7	024·6
16	026·0	025·6	025·2	025·2	025·1	025·4	025·4	026·1	026·4	027·0	027·4	028·6	029·3	029·9	030·3	031·2	032·1	032·4	033·6	033·9	034·4	034·9	035·2	035·9	029·2
17	035·5	035·3	035·7	036·3	036·3	036·6	036·4	037·0	037·2	038·1	038·4	038·5	038·4	038·3	038·5	038·9	038·6	038·9	039·2	039·3	039·5	039·7	040·2	040·2	037·9
18	040·2	040·4	040·3	040·3	040·1	040·2	040·2	040·6	041·1	041·4	041·3	041·2	041·0	040·9	040·8	041·0	041·0	040·7	041·1	040·7	040·6	040·6	040·6	040·5	040·7
19	040·1	039·9	039·8	039·8	039·9	039·1	039·3	039·5	039·8	039·9	039·8	039·4	039·1	039·0	038·6	039·0	039·3	039·3	039·4	039·3	039·2	039·4	039·3	039·2	039·5
20	039·1	038·7	038·6	038·6	038·6	038·3	038·4	038·7	038·2	038·5	038·5	038·6	038·3	038·0	038·0	038·1	038·2	038·3	038·1	037·9	037·8	037·7	037·7	037·5	038·3
21	037·0	036·8	036·3	035·7	035·5	035·3	035·2	035·1	035·5	035·7	035·6	035·2	034·2	034·1	034·0	033·9	033·8	033·7	033·4	033·6	033·8	033·9	033·6	033·7	034·9
22	033·4	032·9	032·7	032·6	032·2	032·0	032·2	032·2	032·2	031·6	031·5	031·5	031·0	030·5	029·7	029·2	029·2	028·8	028·3	027·6	027·4	026·9	026·5	025·7	030·5
23	024·7	023·7	022·6	021·5	020·2	019·2	018·7	018·7	019·6	019·8	020·5	021·0	021·3	021·5	021·6	022·1	022·5	022·9	022·7	022·8	023·1	022·8	022·0	022·1	021·7
24	021·1	019·6	018·6	017·3	015·7	014·2	012·8	010·9	009·9	008·1	006·6	005·0	004·2	003·4	001·7	000·0	998·3	995·5	992·7	989·1	986·1	984·3	983·0	982·9	004·2
25	982·6	981·6	980·8	979·0	977·9	976·2	976·0	973·9	973·5	972·5	972·0	970·8	970·0	969·2	968·7	968·8	969·4	970·3	971·3	971·9	971·2	974·9	978·9	981·8	974·3
26	984·1	986·2	987·6	989·9	991·5	992·8	994·8	997·2	999·4	000·2	002·1	003·6	005·0	005·8	007·2	008·4	009·4	010·7	012·0	012·1	012·4	013·4	013·9	014·4	001·6
27	015·1	015·5	016·1	016·6	017·2	017·8	018·7	019·6	020·2	020·6	021·1	021·4	021·9	022·4	022·4	023·7	024·2	024·3	024·8	024·7	024·6	024·5	024·3	024·2	020·9
28	024·1	023·9	023·4	022·9	022·4	022·0	021·8	021·8	021·5	021·3	021·0	020·2	019·8	019·4	019·2	019·3	019·4	019·9	020·0	020·1	020·0	020·2	020·3	020·4	021·1
29	020·5	020·8	021·4	021·4	021·8	021·9	022·3	022·5	022·9	023·3	023·3	023·0	022·8	022·5	022·1	022·2	021·5	021·3	020·9	020·0	019·0	018·4	017·6	016·5	021·3
30	015·7	015·2	014·5	013·5	012·4	011·8	011·1	010·8	010·4	009·8	009·6	009·2	009·2	009·2	009·1	009·2	009·4	009·8	010·3	010·5	010·4	010·3	010·4	010·3	011·1
31	010·0	009·5	008·9	008·5	007·7	007·4	007·0	007·2	007·2	007·2	006·9	006·1	005·6	005·1	004·7	004·8	005·0	005·5	005·6	005·4	005·6	005·6	004·9	004·6	006·6
Mean (Station Level)	1017·95	1017·85	1017·77	1017·65	1017·44	1017·31	1017·36	1017·47	1017·71	1017·80	1017·97	1017·80	1017·65	1017·54	1017·45	1017·59	1017·68	1017·63	1017·87	1017·72	1017·64	1017·78	1017·68	1017·91	1017·69
Mean (Sea Level)	1021·22	1021·12	1021·04	1020·91	1020·71	1020·58	1020·62	1020·73	1020·97	1021·06	1021·23	1021·05	1020·90	1020·79	1020·69	1020·84	1020·93	1021·09	1021·13	1020·99	1020·90	1021·05	1021·15	1021·17	1020·96

70. ABERDEEN: H_b = 26·0 metres — FEBRUARY, 1935

Day (Station Level)	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	004·4	003·9	003·0	001·5	999·9	998·4	996·6	995·3	994·2	992·8	992·6	992·0	991·3	990·1	989·3	988·4	988·4	987·7	986·7	985·8	985·9	985·8	985·8	985·8	993·1
2	985·5	985·6	986·2	986·0	987·1	987·8	989·0	989·5	991·4	991·5	992·5	992·4	995·1	995·8	997·7	998·1	999·1	001·0	002·3	003·9	005·4	006·3	007·1	007·5	994·7
3	007·3	006·9	006·3	005·4	004·6	004·0	003·3	002·5	002·1	001·9	001·8	001·6	001·4	001·4	001·1	001·2	001·8	002·2	002·6	003·1	003·0	003·3	003·9	004·3	003·3
4	004·7	004·9	005·2	005·7	006·1	006·3	006·4	007·0	007·4	007·3	007·0	006·5	005·6	005·6	005·3	005·2	005·0	005·1	004·6	004·6	004·0	003·6	003·4	003·0	005·4
5	002·4	001·7	001·3	000·7	000·0	999·5	999·3	998·5	998·1	998·0	997·3	997·1	996·6	996·5	996·4	996·4	996·7	997·0	997·5	998·0	998·8	999·0	001·7	003·9	998·8
6	006·3	008·6	010·3	012·1	013·4	015·4	016·6	018·1	019·4	021·1	021·7	021·8	022·2	022·6	023·1	023·7	024·3	024·9	025·4	025·9	025·4	025·7	025·6	026·4	019·5
7	026·2	026·5	026·4	026·5	026·5	026·3	026·3	026·5	026·5	026·3	026·2	026·1	025·6	025·7	025·1	025·7	025·9	026·1	026·2	026·0	025·9	025·9	025·9	025·9	026·1
8	025·9	026·0	025·7	025·5	025·6	025·5	025·5	025·5	025·3	025·2	025·3	025·2	024·7	024·4	023·9	023·4	023·7	023·7	023·5	023·4	023·2	022·9	022·5	022·2	024·6
9	022·2	021·9	021·6	021·0	020·4	020·5	020·2	020·3	020·0	020·1	019·7	019·4	019·3	018·8	018·4	018·2	018·4	017·9	017·6	017·6	017·1	017·1	016·7	016·9	019·3
10	017·0	017·1	017·0	017·0	017·1	017·1	017·3	017·4	017·6	017·4	017·3	017·0	016·7	016·6	016·1	015·7	015·4	015·3	015·1	014·9	015·0	014·7	014·2	014·4	016·3
11	014·1	013·5	013·4	013·1	013·3	012·9	013·0	012·9	012·7	012·4	011·5	010·5	009·6	008·7	007·8	006·8	005·3	004·5	003·2	001·5	000·5	000·8	999·1	996·6	008·6
12	995·4	992·7	990·5	989·3	989·3	989·7	990·4	991·6	992·5	992·8	994·1	996·0	997·3	998·2	998·5	999·1	999·6	000·1	000·0	999·6	999·2	998·4	997·5	996·6	995·4
13	995·3	994·6	993·7	992·0	990·7	989·9	989·2	988·8	988·5	988·7	988·6	988·5	988·1	988·5	988·5	988·4	988·2	987·6	988·0	987·2	986·5	984·9	983·6	982·6	989·1
14	981·5	981·1	980·8	980·4	980·3	980·2	980·0	980·4	981·1	984·2	989·4	991·2	993·0	995·3	998·1	998·6	999·5	999·8	999·8	000·0	999·5	999·2	999·0	998·6	990·1
15	998·0	997·9	997·5	997·5	997·5	997·6	997·5	997·3	996·7	995·6	994·9	993·5	991·5	990·4	988·9	988·5	987·8	987·7	987·1	986·9	986·6	987·5	987·5	987·1	992·7
16	986·8	986·0	984·7	983·6	982·7	981·5	980·5	980·0	979·1	978·2	977·9	977·5	976·8	976·6	976·1	976·7	977·6	979·4	980·9	983·1	985·4	988·0	989·5	992·1	981·6
17	994·0	995·7	997·1	998·4	999·2	000·4	001·7	002·7	003·4	003·3	003·7	003·9	003·8	003·6	003·8	003·9	004·1	004·1	004·1	003·9	003·7	003·3	002·9	002·5	001·8
18	002·0	001·2	001·0	000·5	000·0	999·9	000·0	000·2	999·9	999·6	999·4	998·4	997·8	997·3	996·2	995·4	993·9	993·7	992·9	991·8	991·5	990·9	988·9	988·6	997·0
19	988·1	986·1	985·7	985·8	985·6	985·6	986·2	988·6	990·5	992·1	993·9	994·9	996·0	996·8	997·4	997·6	998·1	998·4	998·5	997·6	996·7	996·1	994·4	992·6	992·6
20	990·8	988·7	986·5	984·6	982·9	981·5	980·3	979·3	977·0	976·8	974·7	973·9	973·4	973·0	972·3	971·6	971·4	971·2	971·3	971·1	971·1	970·4	969·6	968·0	976·8
21	967·4	967·1	965·9	966·1	965·0	965·6	966·0	965·5	965·3	964·8	964·9	964·4	964·1	964·2	964·9	966·0	967·2	968·1	968·6	969·4	970·2	970·5	970·1	970·0	966·7
22	970·2	969·7	969·2	968·7	968·3	968·1	968·1	967·6	967·6	967·3	967·0	966·2	965·7	965·5	965·6	965·7	965·6	965·9	966·0	966·1	966·7	967·5	968·2	969·2	967·3
23	970·1	970·7	971·2	972·0	972·9	973·6	974·3	975·0	975·9	977·1	977·5	978·3	979·1	979·3	979·9	980·2	980·7	981·0	981·5	981·8	982·2	982·6	982·7	982·8	977·3
24	982·9	982·6	982·6	982·6	983·1	983·2	983·4	983·8	984·0	984·2	984·1	984·1	983·6	983·3	982·9	982·5	982·5	982·1	982·0	981·4	980·9	980·2	979·6	978·9	982·6
25	978·5	978·0	977·6	977·6	977·4	977·5	977·6	978·3	978·9	979·5	980·0	980·8	981·5	982·2	983·0	984·0	985·0	986·9	987·6	988·6	989·6	990·3	991·1	992·0	982·4
26	992·6	992·9	993·3	993·5	993·8	993·6	993·3	993·4	993·6	994·3	994·7	994·8	995·4	995·5	995·9	996·3	996·3	996·8	996·5	996·6	996·2	995·8	994·9	994·3	994·7
27	993·3	992·3	991·2	990·0	989·6	988·9	988·9	988·2	988·0	987·3	986·9	986·3	985·5	984·4	984·0	983·5	983·2	982·8	982·4	982·2	981·7	981·5	981·3	981·6	986·3
28	980·4	980·2	979·6	979·4	979·5	979·6	979·5	979·8	980·0	980·3	980·3	980·3	980·2	980·3	980·5	980·8	981·4	982·0	982·6	983·4	983·9	984·3	984·9	985·7	981·1
Mean (Station Level)	995·83	995·51	995·17	994·88	994·71	994·65	994·66	994·79	994·88	995·01	995·17	995·09	995·05	995·03	995·03	995·06	995·22	995·47	995·54	995·56	995·58	995·59	995·42	995·37	995·19
Mean (Sea Level)	999·03	998·71	998·37	998·08	997·91	997·85	997·86	998·00	998·08	998·21	998·38	998·27	998·22	998·20	998·20	998·24	998·40	998·66	998·73	998·76	998·78	998·79	998·62	998·57	998·39
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, 1935

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 (Station Level)	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	986·0	986·4	986·7	986·9	987·4	987·9	988·4	988·9	989·2	989·0	989·1	989·1	989·1	989·1	989·4	990·1	990·8	991·3	992·3	993·2	994·1	995·1	995·8	997·1	989·9
2	998·0	999·0	999·7	001·0	001·9	003·0	004·2	005·4	006·3	007·2	008·2	008·9	009·2	009·5	010·0	010·2	010·5	010·8	011·0	011·4	011·7	011·5	011·5	011·2	006·8
3	011·3	011·3	011·1	010·7	010·8	010·8	010·7	010·9	011·1	011·2	011·3	011·4	011·3	011·3	011·2	011·4	011·7	012·3	012·5	012·8	013·8	014·1	014·1	014·4	011·7
4	015·1	015·4	015·6	016·1	016·6	017·1	017·7	018·7	018·9	019·3	019·4	019·3	019·6	019·5	019·5	019·1	018·8	018·4	017·6	017·2	016·2	015·8	014·8	014·8	017·5
5	014·5	014·6	014·5	014·5	014·7	014·8	014·7	014·6	014·3	014·4	014·6	014·6	014·9	014·9	016·2	016·3	016·8	018·4	018·7	019·4	019·5	019·6	020·3	020·8	016·1
6	021·2	021·2	021·3	021·7	022·1	022·4	023·0	023·6	024·1	024·7	025·2	025·6	025·7	026·0	026·1	026·6	027·1	027·7	028·2	028·8	029·4	030·0	030·3	030·5	025·3
7	030·9	031·0	031·0	031·2	031·2	031·6	031·9	032·4	032·5	032·6	032·7	032·9	032·8	032·8	033·0	033·2	033·5	034·1	034·7	035·1	035·3	035·4	035·7	036·1	032·9
8	036·1	036·1	036·0	036·4	036·6	037·0	037·5	038·0	038·4	038·7	038·9	038·7	038·6	038·5	038·5	038·7	039·0	039·3	039·6	039·9	040·2	040·6	040·8	040·9	038·4
9	041·4	041·2	041·4	041·5	041·9	041·9	042·1	042·3	042·4	042·6	042·5	042·2	041·7	041·3	040·8	040·2	039·8	039·9	039·7	039·3	039·4	039·1	038·9	038·7	041·0
10	038·3	038·0	037·6	037·1	037·0	036·8	036·9	037·1	037·0	036·9	036·7	036·7	036·5	036·2	035·9	035·8	035·9	036·4	036·5	036·8	037·0	037·1	037·1	036·9	036·9
11	036·8	036·8	036·7	036·7	037·0	037·2	037·2	037·6	037·9	038·2	038·4	038·5	038·5	038·5	038p2	038·3	038·7	039·4	039·4	039·6	039·8	039·9	040·0	039·9	038·2
12	040·2	040·1	040·0	039·9	040·1	040·1	040·1	040·2	040·0	039·7	039·6	039·3	038·7	038·6	037·9	037·8	037·4	037·1	036·8	036·6	036·3	035·9	035·5	034·9	038·6
13	034·3	033·9	033·1	032·7	032·4	032·3	031·9	031·8	031·4	031·0	030·8	030·3	029·4	028·7	028·3	027·8	027·4	027·1	026·9	027·0	026·8	026·6	026·5	026·1	030·0
14	025·9	025·5	024·9	024·5	024·0	023·8	023·6	023·5	023·4	023·2	022·9	022·1	021·6	021·1	020·9	019·9	019·5	019·4	019·0	018·6	018·3	017·7	016·9	015·9	021·7
15	015·2	014·3	013·4	012·8	012·1	011·5	011·2	010·8	010·4	009·7	008·9	007·8	006·6	005·8	004·8	004·1	003·6	003·8	003·8	003·8	003·7	003·2	002·6	002·3	008·0
16	002·0	001·7	001·2	000·9	000·7	000·5	000·5	000·5	000·2	000·2	000·1	999·7	999·4	998·8	998·6	998·2	998·1	998·3	998·2	998·1	998·3	998·3	998·4	998·6	999·8
17	998·7	998·8	999·0	999·3	999·7	000·2	001·2	001·9	002·8	003·1	003·9	004·4	004·7	005·4	005·6	005·7	006·2	007·2	008·0	008·7	008·9	009·0	009·7	009·9	004·0
18	009·9	010·0	010·3	010·4	010·7	010·8	011·1	011·2	011·3	011·2	011·3	011·2	010·9	010·4	010·2	009·9	009·7	009·7	009·7	009·4	009·3	009·1	008·9	008·1	010·2
19	007·8	007·6	007·3	006·4	006·5	006·8	007·4	007·9	008·2	008·4	008·5	008·6	008·7	008·5	008·3	007·9	007·7	007·2	007·1	007·0	006·8	006·4	005·5	004·8	007·5
20	004·5	003·6	002·6	002·0	001·6	000·9	001·1	001·4	001·7	002·2	002·6	002·7	003·1	003·4	004·3	004·6	005·4	006·2	006·8	007·4	007·7	008·4	008·5	008·8	004·1
21	008·8	008·7	008·2	008·1	007·5	007·4	007·6	007·6	007·3	007·3	007·1	006·6	005·7	005·0	004·8	004·6	004·5	004·1	004·0	003·8	003·5	003·0	002·4	002·2	006·0
22	001·8	001·2	000·8	000·3	999·9	999·3	999·1	998·9	998·8	998·5	998·0	997·3	996·6	995·9	995·3	994·7	994·1	993·6	993·3	993·0	992·4	991·9	991·7	991·3	996·8
23	990·4	990·0	989·1	989·2	989·6	990·1	990·6	991·3	991·6	992·0	992·7	993·5	993·8	994·0	994·2	994·5	995·2	996·1	996·8	997·7	998·3	999·2	999·7	000·5	993·6
24	001·3	002·4	003·2	004·4	005·6	007·0	008·3	009·6	010·5	011·6	012·1	013·2	013·3	013·9	013·9	013·9	014·0	014·0	014·3	014·1	013·6	013·3	012·6	011·6	010·3
25	010·7	009·2	008·3	007·7	007·6	007·1	006·1	006·6	006·6	006·5	006·7	006·6	006·6	006·6	006·8	007·4	008·2	008·3	008·4	009·0	009·1	009·1	009·3	009·8	007·9
26	010·1	010·1	010·2	010·3	010·3	010·2	010·4	010·4	010·6	010·6	010·6	010·4	010·6	010·5	010·3	010·4	010·9	011·2	011·5	011·3	011·3	011·6	012·2	012·4	010·7
27	012·7	013·2	013·4	014·1	015·0	016·0	017·5	018·2	019·0	020·0	020·6	021·4	021·5	021·6	022·4	022·8	023·1	023·8	024·1	024·4	024·6	025·0	024·9	024·9	019·9
28	024·8	024·4	024·5	024·4	024·1	024·4	024·3	023·9	023·8	023·6	024·0	023·3	022·8	022·1	021·1	021·0	021·0	020·9	021·0	020·8	020·8	020·9	020·8	020·8	022·7
29	020·9	021·1	021·7	022·8	023·0	023·7	025·4	026·2	026·9	027·3	027·8	028·4	028·5	028·3	027·9	027·7	027·4	026·8	026·5	026·3	025·9	025·2	024·5	023·1	025·5
30	022·3	021·2	020·1	018·6	017·6	017·1	017·0	016·4	015·9	015·7	015·2	014·9	014·1	013·6	012·6	012·3	012·0	011·8	011·6	011·2	010·8	010·5	010·1	009·7	015·0
31	008·9	008·0	007·0	005·9	004·8	003·9	002·8	002·9	001·8	001·1	000·6	001·0	001·4	002·0	002·7	003·0	003·8	004·1	004·6	005·2	005·0	004·4	003·7	003·0	004·0
Mean (Station Level)	1015 ·51	1015 ·35	1015 ·16	1015 ·11	1015 ·17	1015 ·28	1015 ·53	1015 ·83	1015 ·95	1016 ·05	1016 ·16	1016 ·15	1016 ·00	1015 ·86	1015 ·80	1015 ·75	1015 ·86	1016 ·09	1016 ·21	1016 ·35	1016 ·38	1016 ·35	1016 ·25	1016 ·13	1015 ·83
Mean (Sea Level)	1018 ·76	1018 ·60	1018 ·41	1018 ·37	1018 ·42	1018 ·53	1018 ·78	1019 ·07	1019 ·18	1019 ·28	1019 ·38	1019 ·36	1019 ·21	1019 ·08	1019 ·01	1018 ·96	1019 ·09	1019 ·32	1019 ·45	1019 ·59	1019 ·62	1019 ·60	1019 ·50	1019 ·38	1019 ·07

72. ABERDEEN: H_b = 26·0 metres — APRIL, 1935

Day (Station Level)	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	002·2	001·0	999·9	997·8	996·4	996·8	998·1	999·7	000·3	001·5	003·2	004·3	004·9	005·7	006·5	007·1	008·1	009·2	009·8	010·9	011·4	012·1	012·4	012·8	004·5
2	013·2	013·4	013·5	013·5	013·9	013·9	014·4	014·7	015·1	015·1	014·9	014·9	014·8	014·8	014·5	014·8	015·1	015·1	015·3	015·6	015·9	015·7	015·7	016·0	014·7
3	016·2	016·4	016·2	016·2	016·3	016·6	016·5	016·4	016·3	015·6	015·1	014·9	013·8	012·9	012·1	011·4	010·3	009·8	009·1	008·4	007·8	006·6	005·4	005·3	013·0
4	004·8	004·3	003·9	003·0	002·3	001·4	001·2	000·3	999·8	998·9	997·6	997·7	997·3	997·4	997·8	997·5	997·2	997·6	997·7	997·6	997·5	996·8	996·4	996·3	999·5
5	995·6	994·7	994·1	993·5	992·9	992·9	992·3	991·8	991·9	991·5	991·8	991·6	991·3	990·5	991·8	992·5	993·0	993·6	993·8	993·7	993·6	994·2	994·1	993·9	993·0
6	993·7	993·7	993·7	993·9	994·7	995·6	996·7	998·0	999·3	000·3	001·2	001·8	002·5	002·7	003·4	003·3	003·1	003·1	003·2	003·1	003·1	003·1	002·9	002·7	999·8
7	002·5	002·0	001·6	001·1	000·8	000·6	000·6	000·7	000·5	000·3	000·3	999·9	999·6	999·1	998·7	998·3	998·0	997·7	997·4	997·1	996·6	996·1	995·3	994·8	999·3
8	994·3	993·5	993·0	992·5	992·4	992·2	992·4	992·9	993·3	994·0	994·7	995·3	995·9	996·6	997·0	997·2	997·4	997·7	997·8	997·7	997·3	997·2	996·8	995·8	995·2
9	995·2	994·1	993·0	991·9	991·4	990·3	989·6	988·9	988·7	986·3	985·9	985·9	986·0	986·3	987·2	987·4	987·8	988·5	988·5	988·4	988·3	988·0	987·6	986·9	989·0
10	985·2	984·3	982·8	980·4	977·5	974·8	972·3	971·6	970·7	970·7	969·5	968·1	967·3	966·6	966·5	968·0	969·8	971·2	972·6	973·6	974·6	975·3	975·5	976·0	973·8
11	975·9	976·1	976·6	977·5	978·4	979·2	979·6	980·4	981·0	981·6	982·2	982·8	982·9	983·4	984·6	985·7	987·4	989·5	991·1	993·1	994·4	996·0	997·0	997·8	984·3
12	998·9	999·8	000·5	001·0	001·4	001·8	002·0	002·7	003·0	003·6	004·2	004·8	005·5	005·7	005·9	006·1	006·9	007·3	008·2	009·1	009·4	009·4	009·9	010·1	004·6
13	010·2	010·4	010·4	010·4	010·6	010·8	010·9	011·0	011·2	010·7	010·5	010·4	010·3	010·1	009·3	008·8	008·8	008·7	008·2	007·9	007·5	007·0	006·4	005·9	009·5
14	005·4	004·8	004·5	004·2	003·8	003·9	004·2	004·4	004·6	004·7	004·9	005·2	005·7	005·8	005·8	006·0	006·4	006·8	007·2	007·5	007·6	007·8	007·9	007·7	005·7
15	007·5	007·3	007·1	006·7	006·5	006·3	006·2	006·1	005·8	005·8	005·4	005·0	004·4	003·7	003·2	002·8	002·2	001·7	001·0	000·8	000·6	000·0	999·2	998·4	004·1
16	997·4	996·5	995·7	994·7	993·8	992·9	992·2	991·3	990·4	989·5	988·5	987·5	986·8	985·4	983·7	982·4	981·1	979·7	978·5	976·9	975·0	974·2	974·4	974·0	986·4
17	973·3	972·8	972·5	973·3	974·5	975·9	977·3	979·1	980·8	982·4	983·5	984·4	985·4	986·3	987·2	988·0	988·8	989·8	990·8	991·6	992·1	992·5	993·0	993·5	983·3
18	994·1	994·6	995·1	995·5	996·1	996·6	997·3	997·4	997·7	998·0	998·3	998·3	998·5	998·3	998·2	998·3	998·3	998·5	998·5	998·9	999·0	999·1	999·2	999·0	997·5
19	999·1	999·3	999·4	999·5	999·8	000·0	000·5	000·9	001·5	001·7	002·0	002·4	002·6	002·6	002·8	003·2	003·3	003·6	003·9	004·3	004·5	004·4	004·7	004·8	002·0
20	004·7	004·6	004·6	004·5	004·4	004·6	004·6	004·8	004·7	004·7	004·4	004·2	003·9	003·7	003·5	003·0	002·9	003·0	003·0	002·8	002·5	002·4	001·6	001·0	003·7
21	000·2	999·0	997·7	996·6	995·9	995·8	995·6	995·9	996·6	997·6	997·9	997·9	998·1	998·3	998·4	998·3	998·3	998·6	999·1	999·3	999·3	999·6	999·7	000·0	998·1
22	000·2	000·5	000·8	001·0	001·2	002·2	002·6	003·1	003·8	004·3	004·5	004·6	004·7	004·9	005·0	005·3	005·5	005·8	006·4	006·9	007·0	007·4	007·3	006·9	004·1
23	007·0	007·0	007·2	007·6	008·3	008·9	009·6	010·6	011·0	011·6	012·0	012·9	013·7	014·7	015·3	016·1	016·7	017·3	018·0	018·9	019·5	019·6	020·0	020·1	013·2
24	020·3	020·4	020·4	020·6	020·7	020·9	021·1	021·1	021·3	021·1	021·2	021·3	021·3	021·2	021·1	021·2	021·2	021·3	021·6	021·8	021·9	022·0	022·0	021·9	021·2
25	021·8	021·6	021·9	021·9	022·0	022·2	022·3	022·5	022·8	023·0	023·3	023·6	023·7	023·7	023·6	023·5	023·5	023·7	023·9	024·2	024·3	024·6	024·6	024·5	023·1
26	024·3	024·2	024·1	023·4	023·5	023·6	023·7	023·5	023·5	023·4	023·4	023·5	023·4	023·3	023·2	023·2	023·3	023·5	023·6	023·9	024·0	023·9	023·6	023·7	023·6
27	023·5	023·6	023·4	023·2	023·1	023·2	023·4	023·5	023·4	023·6	023·7	023·8	023·8	023·7	023·6	023·4	023·4	023·6	023·9	024·1	024·2	024·3	024·3	024·0	023·6
28	023·9	024·0	024·0	023·7	023·8	023·9	024·2	024·2	024·1	024·1	024·1	023·7	023·6	023·4	023·3	023·3	023·3	023·6	023·6	023·6	023·8	023·7	023·8	023·8	023·8
29	023·5	023·0	022·6	022·2	022·0	022·0	021·8	021·8	021·6	021·2	021·2	021·1	020·7	020·7	020·5	020·5	020·4	020·6	020·6	020·6	020·5	020·5	020·5	020·0	021·3
30	019·7	019·2	018·9	018·5	018·3	018·4	018·5	018·5	018·6	018·7	019·2	019·4	019·9	020·0	020·3	020·3	020·4	020·6	020·7	020·9	021·2	021·3	021·3	021·4	019·7
Mean (Station Level)	1004 ·46	1004 ·20	1003 ·97	1003 ·66	1003 ·56	1003 ·61	1003 ·74	1003 ·93	1004 ·11	1004 ·18	1004 ·29	1004 ·37	1004 ·41	1004 ·38	1004 ·47	1004 ·56	1004 ·73	1005 ·02	1005 ·24	1005 ·44	1005 ·48	1005 ·49	1005 ·42	1005 ·30	1004 ·49
Mean (Sea Level)	1007 ·68	1007 ·42	1007 ·19	1006 ·88	1006 ·78	1006 ·83	1006 ·95	1007 ·13	1007 ·31	1007 ·38	1007 ·48	1007 ·56	1007 ·60	1007 ·57	1007 ·66	1007 ·75	1007 ·92	1008 ·22	1008 ·44	1008 ·65	1008 ·70	1008 ·71	1008 ·64	1008 ·52	1007 ·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.

73. ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres MAY, 1935

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	021·1	020·9	021·0	020·9	020·9	020·9	020·8	021·0	021·0	020·7	020·7	020·5	020·3	020·1	020·0	019·7	019·5	019·4	019·1	018·7	018·7	018·2	017·9	017·5	020·1
2	017·1	016·9	016·3	016·2	015·6	015·8	015·7	015·8	015·8	015·5	015·4	015·1	015·0	014·7	014·0	013·9	013·7	013·5	013·4	013·4	013·5	013·4	013·3	013·1	014·9
3	012·9	012·7	012·6	012·5	012·5	012·6	012·6	012·6	012·5	012·3	012·4	012·2	011·8	011·7	011·6	011·5	011·6	011·4	011·6	012·0	012·0	012·1	012·2	012·2	012·2
4	012·2	012·4	012·4	012·4	012·5	012·7	013·0	013·3	013·7	013·9	014·0	014·0	014·3	014·3	014·5	014·5	014·7	015·0	015·1	015·3	015·6	015·7	016·0	016·1	014·0
5	016·2	016·3	016·4	016·5	016·6	016·8	017·0	017·2	017·5	017·5	017·4	017·5	017·3	017·3	017·3	017·4	017·6	018·2	019·3	019·8	020·5	021·0	021·6	022·1	017·9
6	022·6	022·8	023·1	023·6	024·1	024·6	025·3	025·8	026·1	026·4	026·5	026·6	026·7	026·8	026·7	026·7	026·6	026·4	026·6	027·3	027·6	028·1	028·5	028·6	025·9
7	028·3	028·4	028·6	028·5	028·6	028·7	029·1	029·4	030·0	029·9	030·1	030·2	030·2	030·1	030·2	030·3	030·3	030·4	030·7	030·8	031·4	031·6	031·9	031·6	029·9
8	031·6	031·6	031·5	031·5	031·7	031·8	031·8	031·8	031·3	031·3	031·2	031·2	031·1	031·1	031·0	031·0	031·0	030·7	030·7	030·9	031·1	031·3	031·2	031·2	031·3
9	031·2	031·1	031·0	030·9	031·0	031·1	031·0	031·1	030·9	030·9	030·9	030·7	030·5	030·2	030·0	029·9	029·6	029·4	029·4	029·3	029·1	029·0	028·9	028·5	030·3
10	028·1	027·7	027·5	027·3	027·1	026·9	026·8	026·8	027·1	027·1	026·9	026·6	026·2	026·3	026·2	026·0	025·8	025·5	025·5	025·6	025·7	025·6	025·5	025·5	026·5
11	025·1	024·6	024·3	023·7	023·5	023·5	023·6	023·6	023·1	022·9	022·8	022·9	022·8	022·9	023·0	022·9	022·9	023·0	023·1	023·4	023·7	023·8	023·9	023·7	023·5
12	023·7	023·8	023·7	023·8	023·7	023·8	023·9	023·9	024·2	024·0	023·9	024·0	023·8	023·8	023·5	023·7	023·6	023·7	023·8	024·0	024·1	024·0	023·9	023·7	023·8
13	023·5	022·7	022·4	022·0	021·7	021·4	021·0	020·5	020·1	019·6	019·0	018·1	017·4	016·8	016·6	016·4	016·6	017·0	017·1	017·3	017·6	018·1	018·3	018·7	019·3
14	018·8	019·0	019·3	019·7	020·6	021·3	022·2	022·9	023·7	024·0	024·7	024·9	025·1	025·3	025·5	025·4	025·5	025·7	025·6	025·5	025·4	025·0	024·6	023·9	023·4
15	023·1	022·2	020·8	019·5	017·9	016·9	015·5	014·4	013·4	012·8	011·9	011·2	010·5	009·9	010·2	010·3	011·1	012·5	014·2	015·8	016·8	017·7	018·3	018·7	015·3
16	018·9	018·9	018·8	018·7	018·5	018·4	018·4	018·1	018·2	017·5	017·4	017·1	016·4	016·0	014·9	014·0	013·1	012·3	011·8	011·0	010·7	010·0	009·6	008·9	015·5
17	008·3	008·0	007·6	007·3	007·0	006·6	005·7	005·7	005·1	005·1	005·5	005·6	006·0	006·1	006·6	007·3	007·5	008·2	008·6	009·4	009·8	010·0	010·1	010·0	007·4
18	010·0	010·1	010·1	010·2	010·2	010·5	010·4	011·3	011·0	010·8	010·6	010·6	010·5	010·4	010·0	009·9	009·7	009·6	009·6	009·6	009·6	009·5	009·4	009·3	010·1
19	009·1	009·1	008·9	008·9	008·9	009·0	009·1	009·5	009·5	009·6	010·0	010·2	010·4	010·5	010·7	011·0	011·0	011·0	011·2	011·5	012·0	012·1	012·4	012·9	010·3
20	013·7	014·3	015·1	015·6	016·0	016·7	017·3	018·0	018·3	018·7	018·8	019·1	019·5	019·8	020·1	020·6	021·1	021·4	022·0	022·6	023·2	023·5	023·7	023·8	019·1
21	023·7	023·7	023·7	023·8	023·9	024·3	024·6	024·5	024·7	025·1	025·1	024·9	025·0	025·1	025·2	025·3	025·3	025·3	025·3	025·4	025·7	025·7	025·6	025·4	024·8
22	025·5	025·4	025·2	025·1	024·9	024·9	025·0	025·1	025·2	024·8	024·9	024·8	024·8	024·8	024·5	024·3	024·2	024·5	024·3	024·4	024·5	024·6	024·6	024·3	024·8
23	024·0	023·9	023·7	023·6	023·5	023·6	023·9	024·2	024·2	023·9	023·6	023·6	023·6	023·6	023·6	023·7	023·4	023·4	023·5	023·6	024·0	024·1	024·0	024·0	023·8
24	023·9	023·8	023·8	023·9	024·0	024·2	024·7	024·8	024·8	024·8	024·9	025·1	025·1	025·4	025·4	025·4	025·4	025·4	025·4	025·6	025·8	026·1	026·0	026·0	024·9
25	026·0	026·1	026·0	025·8	025·8	025·8	025·6	025·7	025·8	025·7	025·7	025·5	025·4	025·1	025·1	024·8	024·7	024·8	024·9	024·9	024·8	024·7	024·8	024·5	025·4
26	024·3	024·3	024·3	024·4	024·1	024·0	024·0	024·1	024·0	023·9	023·9	023·8	023·8	023·7	023·7	023·3	023·1	022·7	022·8	023·0	023·3	023·2	023·2	023·3	023·7
27	023·1	022·9	022·7	022·7	022·5	022·5	022·6	022·7	022·7	022·6	022·6	022·5	022·4	022·1	022·1	021·8	021·6	021·4	021·3	021·5	021·6	021·6	021·9	021·8	022·2
28	021·6	021·6	021·6	021·5	021·6	021·6	021·7	021·8	021·9	021·7	021·6	021·5	021·4	021·2	020·8	020·8	020·6	020·2	019·9	019·9	019·9	020·1	020·0	019·8	021·1
29	019·5	019·3	019·0	018·7	018·5	018·4	018·4	018·2	018·2	018·2	018·0	017·8	017·6	017·3	016·8	016·4	016·0	015·6	015·6	015·5	015·8	015·7	015·6	015·4	017·4
30	015·1	014·4	014·1	013·9	013·9	013·9	013·9	013·9	013·8	013·8	013·9	013·8	013·4	013·3	013·3	012·9	012·8	013·0	013·1	013·2	013·4	013·6	013·6	013·7	013·7
31	013·8	013·7	013·6	013·5	013·6	013·7	014·0	014·1	014·4	014·6	014·7	014·6	014·7	014·5	014·6	014·6	014·4	014·6	014·4	014·5	014·5	014·5	014·6	014·5	014·3
Mean (Station Level)	1020·52	1020·41	1020·29	1020·21	1020·16	1020·22	1020·28	1020·38	1020·39	1020·32	1020·29	1020·20	1020·10	1020·01	1019·93	1019·86	1019·81	1019·85	1019·96	1020·15	1020·37	1020·44	1020·49	1020·41	1020·21
Mean (Sea Level)	1023·78	1023·67	1023·56	1023·48	1023·42	1023·48	1023·52	1023·62	1023·62	1023·54	1023·51	1023·42	1023·31	1023·22	1023·14	1023·08	1023·03	1023·07	1023·20	1023·39	1023·61	1023·69	1023·74	1023·67	1023·45

Station Level

74. ABERDEEN: H_b = 26·0 metres JUNE, 1935

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	014·3	013·9	013·7	013·6	013·4	013·3	013·2	013·0	013·1	013·1	013·0	013·1	012·8	012·6	012·2	011·9	011·8	011·5	011·2	010·8	010·7	010·6	010·5	010·1	012·5
2	009·7	009·2	008·7	008·1	007·6	007·7	007·7	007·5	007·2	007·0	006·8	006·5	006·3	005·7	005·3	005·0	004·7	004·4	004·4	004·4	004·4	004·1	004·0	003·7	006·4
3	003·2	002·9	002·7	002·5	002·6	002·7	002·9	003·0	003·2	003·3	003·4	003·4	003·4	003·5	003·6	003·7	003·8	003·9	004·0	004·3	004·4	004·4	004·5	004·4	003·5
4	004·5	004·4	004·3	004·3	004·3	004·3	004·3	004·4	004·4	004·2	004·1	004·0	004·0	003·7	003·6	003·3	003·0	002·6	002·5	002·2	001·9	001·6	001·5	001·1	003·5
5	000·6	000·1	999·5	999·2	999·0	998·7	998·7	998·7	998·7	998·7	998·7	998·6	998·4	998·4	998·4	998·3	998·5	998·8	998·8	998·9	999·1	999·1	999·1	999·0	999·0
6	999·0	998·7	998·8	998·8	998·8	998·1	999·4	999·6	999·8	999·8	999·9	999·8	999·7	999·6	999·4	999·0	998·6	998·1	997·5	996·8	996·2	995·1	993·9	993·0	998·3
7	991·9	991·8	991·2	990·7	990·7	990·3	990·4	990·0	989·4	989·0	988·2	988·0	986·8	986·6	986·2	986·2	986·0	985·5	985·1	985·1	985·2	985·2	985·3	985·8	988·1
8	986·5	987·1	987·3	987·9	988·3	988·8	989·5	990·7	991·7	992·9	994·3	995·5	996·7	998·4	000·0	001·1	002·4	003·6	005·3	006·2	007·4	008·2	009·2	009·8	996·5
9	010·4	010·7	010·9	011·6	011·8	012·2	012·4	012·4	012·3	012·4	012·4	012·4	012·2	012·5	012·4	012·0	011·8	011·5	011·4	011·3	011·5	011·3	011·2	011·0	011·7
10	010·7	010·4	010·0	009·7	009·5	009·5	009·3	009·2	009·0	008·9	008·4	008·1	007·8	007·3	006·5	005·8	004·8	004·1	003·0	002·3	001·7	001·0	000·2	999·2	006·8
11	998·2	997·6	996·2	995·7	995·5	995·1	995·1	995·1	995·2	995·3	994·8	994·1	993·1	992·8	992·0	991·8	991·4	990·9	989·8	989·2	988·9	988·8	988·7	988·5	993·3
12	989·2	989·7	990·2	990·4	991·1	991·5	992·3	993·6	995·0	995·9	996·0	996·4	996·9	997·3	997·4	997·4	997·8	998·3	998·3	998·6	999·0	999·5	999·7	999·6	995·2
13	999·8	999·7	999·5	999·5	999·4	999·3	999·3	999·3	999·4	999·2	999·6	000·3	000·4	000·7	001·6	001·8	002·7	002·8	003·1	003·4	003·8	004·0	004·4	004·6	001·1
14	004·7	004·6	004·4	004·3	004·4	004·6	004·9	004·6	004·2	004·0	003·7	003·6	003·0	002·8	002·1	001·6	001·5	001·4	001·6	001·4	001·4	000·9	001·0	000·7	003·1
15	000·6	000·4	000·2	000·1	000·0	999·7	999·6	999·7	000·0	000·1	000·1	000·1	999·7	000·0	999·7	999·3	999·0	999·2	999·3	999·8	999·8	999·8	999·2	999·0	999·8
16	999·0	998·8	998·7	998·6	998·8	998·8	998·8	998·8	998·6	998·6	998·6	998·6	998·6	998·7	998·5	998·4	998·6	998·6	998·8	999·1	000·0	000·5	000·7	001·0	999·0
17	001·7	002·3	002·6	003·0	003·4	004·1	004·8	005·4	005·8	006·4	006·8	007·0	007·3	007·6	008·3	008·7	008·8	009·1	009·3	009·3	009·5	009·8	009·7	009·7	006·5
18	009·6	009·6	009·3	009·4	009·4	009·6	009·8	010·0	010·3	010·6	011·0	011·4	011·9	012·1	012·3	012·4	012·8	013·3	013·7	014·0	014·3	014·5	014·7	014·8	011·6
19	014·9	014·7	014·6	014·7	014·6	014·7	015·0	015·0	015·0	015·4	015·3	015·2	014·8	014·7	014·3	014·1	013·7	013·3	013·2	012·9	012·7	012·4	011·6	011·0	014·2
20	010·4	010·0	009·0	008·2	007·4	006·9	006·1	005·5	005·2	004·6	004·4	003·7	003·8	003·4	004·0	003·8	003·1	003·6	004·0	004·4	005·4	006·1	006·4	006·6	005·8
21	007·0	006·7	006·4	006·3	005·8	005·6	004·8	005·1	005·0	004·6	005·0	004·9	005·8	006·4	006·7	007·8	008·5	009·0	010·1	010·8	011·6	011·8	012·5	013·0	007·4
22	013·0	012·9	012·8	012·8	012·9	013·0	012·9	012·8	012·8	013·0	012·9	013·1	013·3	013·4	013·4	013·3	013·4	013·5	013·8	014·6	015·0	015·6	016·1	016·5	013·5
23	017·5	018·2	018·9	018·9	018·9	019·1	019·2	019·3	019·1	019·3	019·3	019·3	019·1	019·2	019·1	019·1	019·3	019·6	020·5	020·6	021·0	021·2	021·4	020·9	019·4
24	020·5	020·2	019·9	020·0	020·3	020·3	020·1	020·0	019·5	019·3	019·1	018·9	018·3	018·0	017·6	017·4	017·3	017·2	017·1	017·4	017·5	017·5	017·2	017·0	018·7
25	016·6	016·2	015·7	015·3	015·6	015·6	015·7	015·4	015·2	015·1	014·5	014·3	013·6	013·3	012·9	012·0	011·8	011·5	011·3	011·5	011·5	011·2	010·2	009·6	013·7
26	009·5	009·4	009·0	008·5	008·4	008·3	008·4	008·1	007·9	007·6	008·0	007·8	007·5	007·1	006·6	006·4	006·2	005·9	006·0	006·0	006·0	006·1	006·5	006·5	007·5
27	006·5	006·6	006·0	006·0	006·1	006·4	006·7	006·7	006·9	006·6	006·8	006·7	006·7	006·9	006·8	006·8	007·6	007·9	008·7	009·9	010·8	011·4	011·8	012·1	007·6
28	012·4	012·6	013·2	013·6	014·2	014·6	015·4	016·4	017·2	018·4	019·1	019·9	020·9	021·8	022·4	022·8	023·1	023·3	024·2	024·6	025·2	025·0	025·0	025·0	019·3
29	024·5	024·1	023·8	023·4	023·1	022·7	022·5	022·2	021·6	021·7	021·5	021·4	020·5	019·9	019·2	018·8	018·5	017·6	017·4	017·4	017·2	017·1	016·7	016·7	020·6
30	016·4	016·2	016·1	015·9	016·1	016·3	017·3	017·6	017·9	018·3	018·8	019·3	019·6	019·9	019·7	019·5	019·4	019·4	019·3	019·3	019·2	019·1	019·0	018·8	018·2
Mean (Station Level)	1006·77	1006·66	1006·45	1006·37	1006·38	1006·39	1006·55	1006·64	1006·69	1006·79	1006·82	1006·85	1006·77	1006·81	1006·74	1006·65	1006·66	1006·65	1006·76	1006·88	1007·08	1007·10	1007·06	1006·97	1006·73
Mean (Sea Level)	1009·93	1009·82	1009·62	1009·53	1009·54	1009·55	1009·70	1009·78	1009·83	1009·93	1009·96	1009·98	1009·90	1009·94	1009·87	1009·78	1009·80	1009·80	1009·90	1010·03	1010·23	1010·25	1010·22	1010·13	1009·87
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.

75. ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26·0 metres — JULY, 1935

Station Level

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	018·5	017·9	017·5	017·2	016·9	016·7	016·4	016·3	016·1	016·0	015·8	015·3	014·5	014·0	013·7	013·5	013·2	013·1	012·7	012·6	012·4	011·9	011·4	011·2	014·9
2	010·7	010·4	009·6	009·3	009·5	008·9	008·8	008·8	008·4	007·9	007·5	007·2	007·1	007·2	007·4	007·8	008·0	008·5	008·7	009·2	010·0	010·4	011·1	011·7	008·9
3	012·6	012·9	013·4	014·0	014·8	014·9	015·4	015·4	015·2	015·3	015·3	014·8	013·8	013·3	012·7	012·6	012·5	012·0	010·7	009·7	008·3	006·5	005·4	004·8	012·5
4	004·7	004·4	004·1	004·0	004·2	004·2	004·5	005·5	005·9	006·7	007·2	006·9	007·6	007·7	007·8	007·8	007·7	008·0	008·1	008·2	008·4	008·2	008·3	007·9	006·5
5	007·6	007·3	007·2	007·1	006·6	006·2	006·7	006·7	006·4	007·0	007·2	007·4	007·5	007·7	008·2	008·6	009·2	009·8	010·5	010·7	011·4	011·9	012·5	012·7	008·4
6	013·0	013·2	013·2	013·3	013·6	013·8	014·5	015·5	015·6	015·8	016·2	016·6	016·9	017·0	017·2	017·7	018·0	018·7	019·1	019·4	019·9	020·3	020·5	020·8	016·5
7	020·7	020·7	020·7	020·7	020·7	020·8	020·9	021·1	021·1	021·4	021·4	021·5	021·4	021·3	021·2	021·1	020·8	020·7	020·3	020·1	020·6	020·7	020·3	020·2	020·9
8	020·0	019·7	019·6	019·5	019·4	019·2	019·1	019·1	018·8	018·7	018·5	018·3	018·2	017·6	017·2	017·0	016·9	016·8	016·4	016·4	016·4	016·4	015·9	015·8	018·0
9	015·3	014·8	014·4	014·3	014·4	014·2	013·9	013·8	013·5	013·2	013·2	013·1	012·8	012·7	012·2	012·0	012·2	012·2	012·1	011·9	011·8	011·7	011·6	011·5	013·1
10	011·5	011·3	011·2	010·9	010·5	010·5	010·7	010·8	011·4	011·7	011·7	011·8	012·2	012·5	013·2	013·7	014·4	015·1	015·5	016·0	016·7	017·2	017·8	018·1	013·0
11	018·5	018·9	019·3	019·8	020·2	020·4	021·3	021·8	022·1	022·7	022·9	023·0	023·2	023·2	023·2	023·1	023·1	023·3	023·2	023·3	023·4	023·2	023·2	023·2	022·0
12	023·0	022·5	022·3	021·9	021·8	021·9	021·9	021·8	021·9	021·4	020·9	020·9	020·6	020·3	020·3	020·2	020·0	019·0	019·1	018·9	018·9	018·8	018·6	018·2	020·7
13	017·7	017·1	016·9	016·8	016·5	016·7	016·7	016·2	016·1	016·1	015·9	015·8	016·0	016·0	015·9	015·8	015·6	015·8	016·2	016·9	018·0	018·7	018·9	019·3	016·7
14	019·4	019·7	020·2	020·7	020·7	021·2	021·3	021·7	021·8	022·1	022·3	022·6	023·1	023·0	022·7	022·7	022·8	022·7	023·0	022·9	022·6	022·6	022·5	022·0	021·9
15	021·9	021·3	020·8	020·5	020·0	019·7	019·2	018·7	018·1	017·5	017·4	016·4	015·9	015·5	014·5	014·1	014·0	013·9	013·5	013·8	013·6	013·6	013·5	013·2	016·9
16	012·8	012·5	012·0	011·8	011·8	011·7	011·6	011·4	010·9	010·3	009·9	009·6	009·7	009·5	009·3	008·9	008·7	008·7	008·6	008·6	008·7	008·7	008·6	008·0	010·2
17	007·5	007·4	006·9	006·4	006·4	006·3	005·9	005·7	005·6	005·3	005·2	005·2	004·8	004·9	005·4	005·4	005·3	005·4	005·3	005·5	005·5	005·4	005·1	004·9	005·8
18	004·4	004·1	003·7	003·2	003·1	002·8	002·4	002·0	001·5	001·3	001·0	000·7	000·1	000·2	000·6	000·0	000·0	000·2	000·2	000·2	000·2	000·2	000·2	000·2	001·5
19	000·1	000·1	000·1	999·9	999·9	999·9	000·1	000·0	999·9	000·0	999·9	999·9	999·6	999·2	998·9	998·5	998·3	998·0	997·6	997·3	996·9	996·2	995·7	994·5	998·9
20	993·2	992·0	991·0	990·6	990·4	990·4	990·5	990·6	990·9	991·2	992·0	992·5	993·5	993·8	995·1	995·6	996·3	997·3	998·4	999·1	000·0	000·3	000·9	001·2	994·3
21	001·6	001·9	002·8	003·3	003·9	004·9	005·9	006·4	007·0	007·3	008·1	009·1	010·0	010·5	011·2	012·0	012·5	013·1	013·5	014·6	014·9	015·4	016·0	016·2	008·9
22	016·5	016·7	016·7	016·7	016·6	016·7	016·7	016·6	016·5	016·1	015·9	015·5	014·9	014·8	014·6	014·4	014·7	015·1	015·3	015·4	015·7	015·8	016·6	016·2	015·8
23	016·1	016·0	015·9	016·0	015·8	015·8	015·6	015·6	015·3	015·1	014·9	014·7	014·6	014·8	014·8	014·6	014·9	015·6	016·2	016·2	017·2	018·0	018·8	019·0	015·8
24	019·4	019·6	020·0	020·4	020·9	021·5	022·0	022·3	022·8	023·1	023·1	023·1	023·0	023·0	022·9	022·8	022·8	022·6	022·6	022·6	022·5	022·2	021·9	021·2	022·0
25	020·8	020·2	019·8	019·6	019·5	019·1	018·8	018·3	017·9	018·0	017·3	016·9	016·4	015·9	016·2	016·1	015·7	015·2	015·9	015·6	015·6	015·8	016·2	016·6	017·5
26	016·8	016·7	016·9	017·2	017·3	017·7	017·5	017·6	017·3	016·9	016·9	016·4	016·2	015·1	014·4	013·8	013·2	012·3	011·2	010·6	009·7	008·8	008·0	006·5	014·6
27	006·0	004·9	004·2	003·8	003·0	002·5	002·0	002·1	001·5	001·5	000·9	000·5	000·4	000·3	000·0	999·7	999·8	000·0	000·4	000·5	001·1	001·3	001·5	001·7	001·7
28	001·9	002·0	002·0	002·2	002·4	002·5	002·9	003·5	003·9	004·0	005·0	005·5	005·6	005·7	005·9	006·3	006·8	007·9	008·0	008·7	009·7	010·5	010·6	011·1	005·4
29	011·5	011·8	012·1	012·7	012·9	013·2	013·8	014·3	014·7	015·2	015·7	016·2	016·2	016·4	016·3	016·8	016·8	016·9	017·0	017·3	017·4	017·7	017·9	018·0	015·2
30	018·1	018·2	018·3	018·3	018·8	018·8	019·1	019·5	019·7	019·7	020·0	019·9	019·7	019·9	019·8	019·9	019·7	019·8	019·9	020·3	020·3	020·4	020·9	020·9	019·5
31	020·7	020·4	020·0	019·8	019·8	019·5	019·6	019·5	019·5	019·2	019·2	018·9	018·8	018·8	018·2	018·0	017·8	017·5	017·6	017·3	017·2	017·1	017·0	016·9	018·8
Mean (Station Level)	1012·98	1012·79	1012·67	1012·64	1012·65	1012·66	1012·76	1012·86	1012·82	1012·83	1012·85	1012·78	1012·72	1012·64	1012·61	1012·60	1012·64	1012·75	1012·80	1013·91	1013·06	1013·09	1013·12	1013·02	1012·80
Mean (Sea Level)	1016·14	1015·96	1015·84	1015·81	1015·82	1015·82	1015·91	1015·99	1015·94	1015·95	1015·97	1015·89	1015·83	1015·75	1015·72	1015·71	1015·75	1015·87	1015·93	1016·04	1016·21	1016·24	1016·28	1016·18	1015·94

76. ABERDEEN: H_b = 26·0 metres — AUGUST, 1935

Station Level

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	017·0	016·6	016·5	016·2	016·2	016·2	016·4	016·3	016·1	016·2	016·2	016·2	016·2	016·1	016·0	015·9	016·0	016·4	016·7	017·6	018·2	018·6	018·9	019·2	016·7
2	019·4	019·4	019·4	019·4	019·5	019·6	020·2	020·3	020·2	020·2	020·4	020·4	020·6	020·7	020·6	020·4	020·2	020·2	020·3	020·3	020·4	020·4	020·5	020·4	020·1
3	020·3	020·3	020·1	020·1	020·1	020·1	020·1	020·0	019·7	019·7	019·6	019·5	019·3	019·1	018·7	018·4	018·0	017·8	017·9	018·1	018·0	017·6	017·7	017·5	019·1
4	017·3	017·1	016·5	016·1	016·0	016·1	016·0	015·8	015·6	015·1	014·6	014·7	014·7	014·6	014·7	015·0	014·9	014·8	015·0	015·3	015·7	015·9	016·1	016·3	015·6
5	016·3	016·4	016·9	017·3	017·4	018·2	018·7	019·2	019·6	020·0	020·1	020·2	020·3	020·4	020·8	021·0	021·1	021·3	021·5	022·0	022·4	022·7	022·8	022·9	019·8
6	023·1	023·3	023·5	023·6	023·8	024·2	024·4	024·5	024·5	024·6	024·4	024·4	024·0	024·0	023·7	023·4	023·1	023·0	022·9	022·9	022·9	022·6	022·2	021·6	023·6
7	021·1	020·9	020·3	019·9	019·5	019·2	018·7	018·6	018·2	017·6	017·3	017·0	016·5	016·0	015·3	014·3	013·9	013·2	013·0	013·0	013·1	012·7	012·5	012·2	016·6
8	011·5	011·2	010·7	010·3	009·9	009·8	009·8	009·6	009·6	009·3	009·2	009·0	009·3	010·0	010·2	010·4	010·9	010·8	010·7	010·8	011·0	010·8	010·7	010·5	010·3
9	010·2	010·1	009·7	009·8	009·6	009·9	010·1	010·4	010·3	010·3	010·2	009·9	009·7	009·7	009·7	009·3	009·4	009·0	009·1	009·5	009·4	009·3	009·4	008·9	009·7
10	008·9	008·7	008·2	007·7	007·3	006·7	006·8	006·1	006·1	005·6	005·2	004·8	003·6	003·7	003·7	003·0	002·9	003·3	003·0	003·1	003·1	003·2	003·3	003·5	005·2
11	003·2	003·1	002·7	001·8	001·2	000·3	000·3	001·1	002·9	004·3	005·2	005·1	005·5	005·8	005·8	006·2	006·0	006·2	006·0	006·2	006·6	006·5	006·4	006·1	004·3
12	005·8	005·8	005·9	005·9	006·2	006·7	007·1	007·2	007·8	007·9	008·1	008·9	009·6	010·1	010·5	010·6	011·3	011·8	012·2	012·5	012·7	012·9	012·8	012·9	009·2
13	012·6	012·3	011·6	011·4	011·5	011·5	011·3	010·8	010·7	010·2	009·9	009·7	009·3	009·0	008·9	008·6	008·7	008·8	009·0	009·2	009·2	009·4	009·6	009·2	010·2
14	009·3	009·1	009·1	009·1	009·1	009·4	009·6	009·8	010·0	010·3	010·3	010·2	010·4	010·7	010·9	010·9	011·2	011·5	011·5	011·7	012·1	012·4	012·4	012·5	010·5
15	012·5	012·5	012·5	012·7	013·0	013·1	013·5	013·6	013·6	013·6	013·8	013·7	013·9	014·2	014·1	014·2	014·1	014·4	014·6	014·8	015·0	014·9	014·9	014·8	013·8
16	014·9	014·6	014·6	014·6	014·6	014·6	014·5	014·7	014·8	014·8	014·7	014·7	014·9	014·9	015·0	014·9	015·0	015·3	015·4	015·6	015·8	015·8	015·9	015·9	015·0
17	015·8	015·7	015·4	015·2	015·0	015·1	015·3	015·5	015·5	015·4	015·4	015·2	015·0	015·1	014·7	014·6	014·3	014·4	014·4	014·5	014·6	014·5	014·2	013·8	015·0
18	013·7	013·3	013·2	013·0	012·8	012·8	012·8	012·9	012·8	012·7	012·7	012·7	012·6	012·2	011·8	011·6	011·5	011·5	011·5	011·8	011·8	011·8	011·6	011·5	012·4
19	011·3	011·3	011·1	011·0	011·2	011·2	011·3	011·5	011·6	011·7	011·7	011·8	011·7	011·2	010·8	010·4	010·5	010·5	010·8	011·4	011·9	012·0	012·4	012·3	011·3
20	012·4	012·5	012·5	012·6	012·8	013·3	013·6	013·6	013·8	013·9	013·6	013·7	013·9	013·9	013·5	013·4	013·1	013·1	013·2	013·5	013·4	013·4	013·3	013·3	013·3
21	012·8	012·3	011·6	010·8	010·4	010·1	009·8	009·5	009·0	007·8	007·5	006·8	006·1	005·0	005·3	005·5	005·8	006·8	008·1	009·3	009·8	010·6	011·0	010·9	008·9
22	011·4	011·4	011·1	010·9	010·9	011·1	011·3	011·3	011·0	010·7	010·2	010·0	009·6	009·1	008·5	007·7	007·5	006·8	006·8	006·7	006·5	006·4	006·5	006·3	009·3
23	006·6	006·8	006·8	006·9	007·2	007·4	007·8	008·1	008·2	008·5	008·7	008·9	009·2	009·2	008·9	008·8	009·1	009·4	010·1	010·3	010·2	010·6	010·8	010·9	008·6
24	011·1	011·1	011·1	011·0	011·1	011·5	011·5	011·8	012·0	012·3	012·5	012·5	012·4	012·4	012·3	012·7	012·9	013·4	013·5	014·4	015·6	015·7	015·6	015·7	012·7
25	016·1	016·1	016·2	016·2	016·6	016·8	017·0	017·2	017·5	017·5	017·4	017·4	017·1	016·6	016·2	015·4	014·9	014·3	013·8	012·8	011·8	010·4	008·8	007·2	015·2
26	006·2	004·1	002·5	001·0	999·6	999·1	997·4	997·7	997·5	998·2	998·8	999·0	999·3	999·4	999·2	999·1	998·9	998·7	998·2	997·3	996·4	994·9	993·7	992·3	999·0
27	991·0	990·0	989·2	989·2	988·9	989·3	989·4	989·7	990·2	990·9	991·3	991·6	992·2	992·8	993·0	993·6	993·6	993·8	993·9	994·3	994·7	994·9	994·9	994·9	991·9
28	995·0	994·9	995·2	995·1	995·0	995·1	995·1	995·2	995·2	995·2	995·0	994·9	994·8	994·6	994·2	993·7	993·2	992·6	993·1	992·6	991·7	991·1	990·8	990·4	994·0
29	990·4	990·9	992·1	993·0	994·3	995·2	996·2	996·2	997·4	998·4	998·8	999·3	999·7	999·6	999·4	999·7	999·6	999·7	999·4	999·5	999·2	998·2	997·9	997·8	997·0
30	997·3	997·0	996·8	995·9	996·0	996·1	996·4	996·6	997·1	997·4	997·4	997·4	997·5	997·6	997·4	997·3	997·2	997·4	997·5	997·8	997·9	997·9	998·0	998·0	997·2
31	998·0	997·9	997·6	997·6	998·0	998·2	998·5	998·9	999·2	999·5	999·7	999·8	000·0	000·2	000·3	000·6	000·8	000·8	001·5	002·0	002·1	002·5	002·8	003·0	999·9
Mean (Station Level)	1010·08	1009·90	1009·70	1009·53	1009·51	1009·61	1009·71	1009·80	1009·92	1009·99	1010·00	1009·98	1009·96	1009·93	1009·81	1009·70	1009·66	1009·71	1009·83	1010·03	1010·10	1010·03	1009·95	1009·76	1009·85
Mean (Sea Level)	1013·22	1013·05	1012·85	1012·68	1012·65	1012·75	1012·84	1012·92	1013·03	1013·11	1013·11	1013·09	1013·07	1013·04	1012·92	1012·81	1012·77	1012·82	1012·95	1013·16	1013·24	1013·16	1013·09	1012·90	1012·98
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

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

SEPTEMBER, 1935

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	003·4	003·6	003·8	004·0	004·1	004·7	004·9	005·1	005·2	005·3	005·4	005·3	005·4	005·4	005·5	005·4	005·2	005·0	005·0	004·6	004·2	003·6	002·8	001·7	004·6
2	000·8	999·4	998·3	997·3	995·9	994·9	994·5	994·1	993·8	993·7	993·1	993·0	992·6	992·1	991·8	991·7	992·0	992·2	993·2	994·4	995·1	995·8	996·7	997·5	994·8
3	998·0	998·0	998·9	999·2	999·5	999·6	999·6	999·8	999·6	999·6	999·4	999·3	999·1	998·9	998·6	998·5	998·3	998·3	998·4	998·7	998·7	998·6	998·5	998·3	998·9
4	997·9	997·6	997·6	996·9	996·6	996·5	996·4	996·2	996·2	996·2	996·1	996·1	996·3	996·3	996·3	996·2	996·4	996·9	997·1	997·5	997·8	998·1	998·3	998·8	996·9
5	999·2	999·7	999·9	000·4	000·9	001·3	001·6	002·0	002·4	002·7	002·9	003·3	003·4	003·5	003·5	003·7	004·0	004·5	005·0	005·4	005·6	006·2	006·6	006·7	002·9
6	006·8	006·9	007·4	007·9	008·3	008·7	009·5	010·1	010·9	011·9	012·5	013·2	013·6	013·8	014·3	014·9	014·9	015·6	016·5	016·9	017·4	017·9	018·1	018·1	012·5
7	018·3	018·5	018·5	018·7	018·8	019·4	020·0	020·3	020·3	020·6	020·9	021·2	021·2	021·4	021·3	021·4	021·3	021·7	022·0	022·5	022·5	022·8	022·9	022·7	020·7
8	022·6	022·3	022·1	022·2	022·2	022·3	022·5	022·4	022·4	022·5	022·2	022·1	021·9	021·6	021·4	021·2	021·2	021·4	021·2	021·5	021·2	021·3	021·2	021·2	021·9
9	021·1	021·2	021·2	021·3	021·3	021·3	021·6	021·9	021·9	022·1	022·2	022·2	022·0	021·8	021·7	021·6	021·5	021·7	022·0	022·2	022·3	021·9	021·9	021·7	021·7
10	021·5	021·3	020·8	020·6	020·4	020·2	019·9	019·8	019·3	018·9	018·4	018·1	017·8	017·6	017·3	017·3	017·0	016·8	016·5	016·1	015·9	015·4	014·8	014·2	018·3
11	013·6	013·0	012·5	012·1	011·6	011·4	011·1	010·8	010·6	010·3	010·2	009·9	009·8	009·7	009·3	009·0	008·7	008·5	008·6	008·6	008·4	007·9	007·7	007·5	010·2
12	007·3	007·1	006·8	006·4	005·9	005·7	005·4	005·2	005·0	004·6	004·4	004·0	003·2	002·3	001·2	000·5	999·8	999·5	998·3	997·7	997·3	996·4	995·6	995·1	002·5
13	994·4	993·3	992·8	992·2	992·4	992·8	993·3	994·0	994·7	995·2	995·5	995·6	995·8	996·4	996·5	996·9	997·0	997·6	997·9	998·0	998·1	998·3	998·2	997·7	995·8
14	997·4	996·6	995·7	995·0	994·3	993·0	992·6	992·0	992·1	992·0	991·7	991·5	991·0	990·6	990·6	990·8	991·1	991·9	992·7	993·6	993·7	994·5	994·3	994·3	993·1
15	994·6	994·7	994·7	993·9	993·6	992·8	991·8	991·5	990·0	989·4	988·3	986·9	985·9	984·9	983·8	982·3	982·3	981·9	981·6	981·6	981·2	981·0	981·0	980·9	987·4
16	980·8	980·8	980·7	980·7	981·0	980·8	980·9	981·1	981·6	982·0	982·6	982·6	982·6	982·6	982·9	982·5	982·0	982·5	982·2	981·5	980·7	979·4	978·0	976·3	981·3
17	974·2	970·9	967·5	966·5	965·6	964·8	964·2	964·5	964·7	965·1	966·1	967·5	969·4	970·4	972·2	973·5	975·0	976·0	977·1	977·9	978·7	979·6	980·4	981·5	971·3
18	982·2	982·8	983·4	983·7	984·4	985·5	986·4	987·5	988·3	989·0	989·7	990·5	991·3	991·7	992·3	993·0	993·5	993·6	993·9	994·0	992·8	992·1	990·3	988·3	989·0
19	985·9	982·3	979·3	975·7	973·0	971·4	971·7	972·8	973·5	973·6	974·0	974·4	974·7	975·3	976·0	976·7	978·1	979·0	980·3	981·3	981·7	982·7	984·3	985·8	977·7
20	986·2	987·3	989·2	990·9	992·4	993·6	995·7	997·6	998·9	000·0	000·9	001·9	002·4	003·2	003·8	004·6	005·8	006·9	007·9	008·9	009·8	010·6	011·2	012·2	000·4
21	012·7	013·1	013·4	014·0	014·3	014·7	015·3	015·3	015·8	016·0	016·1	016·0	016·1	015·8	015·6	015·2	015·0	014·7	014·8	014·6	014·3	013·6	013·3	012·6	014·7
22	012·2	011·4	010·4	009·6	008·7	008·1	007·6	006·9	006·4	005·5	005·4	004·5	003·5	003·0	001·7	002·3	001·8	001·5	001·4	001·4	001·2	001·3	001·5	001·6	005·2
23	001·4	001·3	001·0	000·6	000·6	000·8	001·6	001·9	002·5	003·3	003·7	003·7	004·4	004·5	004·7	005·1	005·6	006·1	007·0	007·5	007·7	007·7	007·7	008·0	004·0
24	008·0	007·9	007·8	007·8	008·0	008·0	008·2	008·2	008·3	008·0	007·8	007·6	007·2	006·5	006·2	005·8	005·4	005·5	005·5	005·8	005·6	005·6	005·7	005·8	007·0
25	006·1	006·3	006·0	006·3	006·6	007·5	008·0	008·5	009·0	009·4	009·6	009·8	010·0	010·5	011·3	011·6	012·3	013·2	013·4	014·0	014·0	014·3	014·3	014·2	010·1
26	014·6	014·3	014·3	014·2	014·3	014·2	013·8	013·6	013·5	012·8	012·5	011·8	011·1	010·5	009·1	008·1	007·6	007·2	006·9	006·2	005·1	004·4	003·4	002·7	010·5
27	002·3	001·5	001·2	000·9	000·5	000·8	001·2	001·3	001·5	001·8	001·9	001·8	002·0	002·2	002·5	002·8	003·0	003·7	004·1	004·6	004·9	005·0	005·0	004·9	002·5
28	005·0	004·9	004·7	004·4	004·0	004·1	004·0	003·9	002·8	003·3	001·1	000·3	998·2	996·9	996·4	996·5	997·0	998·1	998·6	999·6	999·9	000·5	000·7	001·2	001·2
29	001·4	001·2	001·7	001·8	002·1	002·5	002·7	003·1	003·3	003·0	003·0	002·5	001·8	001·3	000·6	999·6	999·1	998·2	997·2	996·4	995·8	994·9	993·7	992·9	000·2
30	992·4	991·7	990·6	989·7	989·1	989·2	989·1	988·8	989·0	989·0	988·5	987·9	987·5	987·4	987·1	987·0	987·0	987·0	987·0	986·9	987·0	986·9	986·8	986·7	988·4
Mean (Station Level)	1002·08	1001·70	1001·41	1001·16	1001·01	1001·02	1001·17	1001·34	1001·45	1001·56	1001·54	1001·48	1001·37	1001·27	1001·18	1001·19	1001·30	1001·56	1001·78	1002·00	1001·95	1001·94	1001·83	1001·70	1001·51
Mean (Sea Level)	1005·23	1004·85	1004·56	1004·31	1004·16	1004·17	1004·32	1004·48	1004·58	1004·68	1004·65	1004·59	1004·48	1004·38	1004·29	1004·30	1004·41	1004·68	1004·91	1005·14	1005·10	1005·09	1004·98	1004·85	1004·85

78. ABERDEEN: H_b = 26·0 metres

OCTOBER, 1935

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	986·6	986·3	986·1	986·3	986·7	987·1	988·0	988·6	989·6	990·2	990·8	991·5	991·8	992·4	993·1	993·5	994·1	994·7	995·0	995·2	995·2	995·0	994·8	994·6	991·0
2	994·1	993·6	993·0	992·6	992·3	991·5	991·2	990·4	989·8	988·9	988·2	987·4	986·9	986·2	985·6	984·6	984·3	984·1	983·8	983·6	983·3	983·0	982·8	982·6	987·9
3	982·6	982·3	982·2	982·2	982·3	982·4	982·7	983·0	983·4	983·7	983·9	983·9	983·8	984·0	984·5	984·8	985·1	985·8	986·1	986·3	986·5	986·6	986·4	986·5	984·1
4	986·6	986·6	986·6	986·7	986·9	987·3	988·1	988·9	989·6	989·9	990·4	990·6	990·8	991·1	991·3	991·3	991·6	991·7	991·8	991·6	991·5	991·4	991·1	990·9	989·7
5	990·6	990·5	990·1	989·7	989·8	989·9	990·0	990·1	990·3	990·4	990·2	990·1	990·2	990·1	990·1	990·0	990·3	990·5	990·5	990·4	990·5	991·1	991·6	991·8	990·3
6	992·4	993·0	993·4	994·0	995·0	996·0	997·2	998·5	999·7	000·5	001·3	001·7	002·5	003·0	003·7	004·3	005·0	005·9	006·2	006·8	006·9	007·1	007·2	007·3	000·9
7	007·4	007·3	007·1	007·0	006·7	006·8	006·9	006·8	006·4	006·1	005·5	004·9	004·0	003·4	002·4	001·8	001·2	001·0	000·5	000·0	998·9	998·2	997·2	996·0	003·7
8	994·9	993·5	992·6	991·0	990·5	990·0	989·9	989·8	990·3	990·3	990·6	990·7	990·6	990·9	991·0	991·3	991·6	992·0	992·5	992·9	992·7	993·0	993·0	992·9	991·7
9	992·9	992·9	992·6	992·6	992·6	992·7	992·5	992·4	992·5	991·9	991·8	991·8	991·1	990·5	989·7	988·8	988·0	987·2	986·2	985·1	984·4	983·4	982·7	981·4	989·7
10	981·0	980·0	979·6	979·4	979·5	979·6	980·0	980·5	981·0	981·0	981·3	981·6	981·9	982·1	982·9	983·7	984·7	985·8	986·5	987·7	988·3	989·1	990·0	990·8	983·1
11	991·4	991·8	992·3	992·6	992·9	993·9	994·6	995·3	996·3	996·9	997·6	998·0	998·5	998·9	999·4	999·7	000·9	001·4	002·2	003·0	003·7	004·4	005·0	005·3	997·9
12	005·7	006·4	006·8	007·3	007·8	008·0	008·4	008·4	008·5	008·3	008·2	007·7	007·8	008·0	007·9	008·3	008·5	009·0	009·5	009·8	010·2	010·4	010·7	010·8	008·3
13	011·0	011·5	011·6	012·0	012·1	012·6	012·7	012·9	013·2	013·0	013·0	012·1	011·9	011·6	010·3	009·7	009·0	007·5	006·8	005·4	003·8	002·6	001·5	001·2	009·7
14	001·2	001·9	002·9	003·7	004·9	006·3	007·7	009·0	009·4	010·0	010·5	011·0	011·3	011·7	011·7	012·1	012·4	012·6	012·5	012·6	013·1	013·1	013·0	012·9	009·2
15	012·7	012·7	012·5	012·4	012·3	012·5	012·5	012·3	012·2	012·0	011·4	010·6	009·3	008·4	007·9	007·2	006·5	006·3	006·1	006·1	006·4	006·8	006·9	007·9	009·8
16	008·5	008·6	008·8	009·6	009·5	010·2	010·9	012·4	012·7	013·0	013·3	013·4	013·1	013·5	013·4	013·4	014·1	014·5	014·6	014·7	014·8	014·7	015·0	015·0	012·4
17	014·9	014·0	013·1	011·9	010·0	006·9	003·8	001·3	000·8	002·5	003·5	004·1	004·4	004·5	004·7	005·4	005·9	005·9	005·9	005·5	004·9	005·5	006·0	006·4	006·5
18	007·7	009·1	010·2	011·1	011·4	012·0	013·0	013·2	012·9	012·3	011·1	009·7	007·6	003·9	000·8	997·2	992·4	989·7	984·8	982·1	981·6	980·3	978·4	976·1	001·0
19	972·8	968·2	964·9	961·7	958·6	957·2	956·9	956·9	958·3	958·7	960·8	964·0	966·9	968·8	972·0	973·8	975·8	978·3	980·3	983·0	985·2	987·0	988·9	990·9	970·1
20	992·5	994·1	995·9	996·8	998·1	999·1	000·9	001·7	003·0	004·0	004·8	004·9	005·4	005·9	006·2	006·9	007·0	007·3	007·5	007·5	007·4	007·1	007·0	006·9	002·9
21	006·7	006·5	006·4	006·2	006·2	006·3	006·4	006·7	006·7	006·7	006·7	006·7	006·5	006·7	006·9	007·4	008·0	008·7	009·1	009·6	009·8	010·2	010·4	010·8	007·5
22	010·8	010·6	010·5	010·6	010·6	010·5	010·5	010·7	010·8	010·3	010·3	009·9	009·8	009·6	009·5	009·3	008·9	008·9	009·2	008·6	008·5	008·3	007·6	007·2	009·7
23	006·9	006·2	005·7	005·1	004·7	004·2	004·0	003·6	003·3	002·9	002·4	002·0	001·4	000·9	000·6	000·6	000·5	000·7	000·8	001·0	000·9	001·1	001·3	001·6	002·7
24	001·7	001·7	002·1	002·5	003·2	003·7	004·5	005·3	006·1	007·1	007·7	008·0	008·2	008·6	008·8	009·2	009·6	010·0	010·2	010·8	010·8	010·8	010·9	010·9	007·0
25	011·1	011·0	011·1	011·5	011·6	011·7	012·0	012·4	012·6	012·6	013·0	013·0	012·9	013·0	013·0	013·2	013·7	014·0	014·3	014·2	014·3	014·2	014·0	014·1	012·8
26	014·2	013·4	012·6	012·2	011·0	010·5	009·8	009·2	008·3	007·4	006·2	004·9	004·0	002·5	002·4	004·2	003·9	004·1	005·3	005·3	005·8	005·6	005·4	005·3	007·4
27	005·2	005·0	004·5	004·0	003·5	002·6	001·8	000·9	999·9	999·3	997·9	997·0	996·0	995·5	994·3	994·1	994·0	994·1	994·6	995·2	996·3	996·7	997·7	998·3	998·8
28	999·6	001·0	002·0	003·1	004·2	005·2	006·0	007·4	008·7	009·2	009·8	009·7	009·5	009·3	009·4	008·9	007·8	007·6	007·0	005·6	004·7	003·6	002·1	000·9	005·9
29	000·0	999·8	998·4	997·8	997·4	996·8	996·1	995·2	994·2	993·1	991·9	990·4	989·9	989·3	989·6	989·9	990·4	990·6	991·0	990·7	990·8	990·3	990·3	990·4	993·3
30	990·0	989·7	989·4	989·2	988·7	987·8	986·4	983·6	981·2	977·8	976·6	975·4	975·5	975·0	974·4	973·8	973·6	973·8	972·4	972·1	972·0	971·7	972·2	972·3	979·3
31	972·2	972·6	972·8	973·5	973·8	974·3	974·5	975·7	976·1	976·3	977·0	977·3	977·5	978·0	978·4	978·8	979·0	979·1	979·0	980·0	980·5	981·3	982·5	983·3	977·0
Mean (Station Level)	998·25	998·12	997·99	997·95	997·90	997·92	998·06	998·16	998·32	998·27	998·31	998·19	998·10	997·98	997·93	997·97	997·99	998·15	998·14	998·14	998·18	998·18	998·18	998·17	998·11
Mean (Sea Level)	1001·43	1001·30	1001·17	1001·12	1001·07	1001·10	1001·24	1001·34	1001·48	1001·42	1001·46	1001·34	1001·24	1001·12	1001·08	1001·12	1001·15	1001·31	1001·30	1001·31	1001·35	1001·35	1001·35	1001·34	1001·27
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, 1935

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	984·5	985·6	986·6	987·6	988·9	989·5	990·6	991·9	993·2	994·1	995·1	995·2	995·6	995·9	996·2	996·8	997·3	998·1	999·3	000·0	001·1	002·3	003·2	004·6	994·3
2	005·6	005·9	006·0	005·8	005·9	005·9	005·6	005·1	004·9	004·3	003·1	001·7	000·4	000·7	001·0	001·8	002·6	003·6	004·2	004·6	005·2	005·5	006·3	006·8	004·2
3	007·4	007·6	008·4	008·6	009·5	009·4	009·5	009·9	009·9	009·5	009·0	008·2	007·9	007·3	006·6	006·0	005·6	005·3	005·0	004·4	003·5	002·9	003·1	002·7	007·1
4	002·1	001·7	001·1	000·5	000·0	999·8	999·6	000·0	000·0	000·0	999·7	999·4	999·3	999·1	998·6	998·7	999·3	999·0	999·2	999·1	998·9	998·6	998·4	998·1	999·7
5	997·9	997·9	997·8	997·3	997·5	997·4	997·6	997·6	997·7	997·4	997·2	997·0	996·5	996·3	995·9	995·7	996·0	995·9	995·9	996·0	995·9	995·7	995·7	995·4	996·8
6	995·2	995·5	995·6	996·0	996·5	997·0	997·5	998·2	998·6	999·0	998·9	998·8	998·8	998·7	998·8	999·4	999·5	999·8	999·7	999·8	999·8	999·8	999·5	999·5	998·2
7	999·5	999·5	999·5	999·3	999·4	999·5	999·6	999·9	000·0	999·9	999·7	999·4	999·0	998·9	999·1	999·1	999·1	999·1	999·1	999·0	998·7	998·4	998·0	997·6	999·2
8	997·0	996·6	996·2	995·9	995·6	995·2	994·9	994·8	994·3	993·8	993·3	992·7	991·8	991·0	990·5	990·1	990·1	990·0	989·8	990·0	990·2	990·4	990·5	990·7	992·9
9	990·5	990·6	990·7	990·5	990·7	990·9	990·9	990·9	990·7	990·7	990·8	990·7	990·6	990·5	990·5	990·9	991·4	991·6	992·0	992·1	992·1	992·0	991·8	992·4	991·1
10	992·7	993·8	994·6	995·9	996·7	997·4	998·0	998·4	998·6	999·1	999·5	999·9	999·9	000·0	000·7	001·1	001·5	001·6	001·5	001·3	001·3	001·4	001·2	001·1	998·9
11	001·1	000·7	000·4	000·2	999·9	999·7	999·5	999·3	999·2	999·2	999·1	998·7	998·4	997·9	997·8	997·4	997·4	997·1	996·9	996·6	996·1	995·5	994·7	994·0	998·3
12	993·0	992·1	991·0	989·8	988·9	988·0	987·2	986·8	986·4	987·0	987·8	988·6	989·7	990·3	991·3	991·6	992·8	993·5	994·3	994·9	995·4	995·6	995·7	995·7	991·1
13	995·7	995·7	995·6	995·7	995·6	995·8	996·2	996·3	997·0	996·9	997·0	996·8	996·6	996·6	996·5	996·3	996·4	996·6	996·7	996·7	996·7	996·5	996·6	996·5	996·4
14	996·6	996·5	996·4	996·1	995·6	995·0	994·6	994·0	993·7	993·7	993·0	992·6	992·7	993·3	994·0	995·0	995·7	996·3	997·3	997·9	998·4	998·5	998·6	998·9	995·5
15	998·6	998·3	997·7	997·1	996·5	996·1	995·5	994·9	994·4	993·4	992·1	991·3	991·4	991·7	991·8	991·9	992·6	992·8	992·8	993·0	993·2	993·7	994·0	994·4	994·2
16	994·5	994·5	994·4	994·3	994·0	993·8	993·9	993·7	993·7	993·6	993·3	992·9	992·7	992·6	992·7	992·8	993·1	993·4	993·7	993·8	994·1	994·4	994·7	994·6	993·7
17	994·6	994·6	994·5	994·3	994·6	994·6	994·7	994·6	994·5	994·2	993·8	992·9	992·2	991·7	991·6	991·6	991·5	991·7	991·7	992·0	992·2	992·2	992·2	992·3	993·2
18	992·2	992·3	992·5	992·5	992·7	993·1	993·5	993·8	994·2	994·2	994·0	994·2	994·4	994·8	995·4	995·9	996·1	996·5	997·1	997·4	997·7	997·9	998·2	998·5	994·8
19	998·5	998·8	999·1	999·2	999·4	999·8	999·9	000·2	000·5	000·9	001·1	001·1	000·9	000·9	001·0	001·1	001·2	001·4	001·4	001·9	002·1	002·1	002·4	003·1	000·7
20	003·6	004·0	004·1	004·5	004·7	005·2	005·7	006·5	007·2	007·7	008·0	007·9	007·8	007·8	008·1	008·4	009·1	009·3	009·9	010·3	010·5	010·6	010·8	010·9	007·4
21	011·2	011·2	011·3	011·5	011·6	011·8	012·3	012·9	013·5	013·8	013·7	013·5	013·4	013·1	013·0	013·3	013·4	013·8	013·9	014·1	014·2	014·3	014·5	014·6	013·0
22	014·5	014·3	014·2	014·4	014·5	014·5	014·8	015·1	015·3	015·5	015·4	015·3	015·2	015·3	015·1	015·5	015·9	016·0	015·9	016·1	016·3	016·4	016·6	016·6	015·3
23	016·6	016·7	016·6	016·4	016·3	016·2	016·3	016·4	016·4	016·3	016·0	015·7	015·6	015·2	015·0	014·9	015·1	015·1	015·2	015·3	015·2	015·3	015·3	015·0	015·8
24	014·6	014·4	014·0	013·7	013·5	013·2	013·2	013·2	013·3	013·3	013·1	012·8	012·8	012·8	012·8	013·3	013·5	013·8	014·0	014·2	014·2	014·3	014·1	013·7	013·6
25	013·5	013·0	012·3	011·9	011·3	010·5	010·4	010·0	009·8	009·1	008·3	006·6	005·4	004·4	004·0	003·7	002·8	001·9	000·6	999·8	998·4	997·8	997·0	996·1	006·1
26	995·1	994·1	993·1	992·7	992·0	992·2	992·7	993·1	994·2	994·3	994·5	994·2	994·0	993·9	993·7	993·9	994·1	994·2	994·2	994·4	994·7	994·9	995·0	995·3	994·0
27	995·8	996·6	996·8	997·3	997·8	998·2	998·7	999·2	000·0	000·3	000·9	000·6	000·9	001·1	001·2	001·0	001·0	000·7	000·0	998·9	998·0	996·3	995·0	993·5	998·8
28	991·9	989·5	987·7	985·1	984·1	981·8	981·3	981·2	981·0	981·1	981·3	981·5	981·8	982·4	983·2	984·5	985·5	987·2	988·1	988·4	988·7	989·9	990·1	990·7	985·4
29	991·1	991·4	991·2	990·8	990·7	990·2	989·7	989·3	989·8	989·8	990·3	989·9	989·6	989·3	988·9	988·6	988·3	987·5	987·6	987·0	986·6	986·6	986·5	985·1	989·1
30	984·7	984·6	983·6	983·3	982·7	981·4	980·7	980·8	980·9	980·4	979·5	979·3	978·4	977·4	976·4	974·9	973·9	972·5	970·9	969·2	968·2	967·1	965·8	964·5	977·1
Mean (Station Level)	998·99	998·93	998·77	998·61	998·57	998·44	998·49	998·60	998·76	998·75	998·62	998·31	998·12	998·03	998·05	998·17	998·39	998·51	998·60	998·61	998·59	998·56	998·52	998·43	998·53
Mean (Sea Level)	1002·19	1002·13	1001·97	1001·81	1001·76	1001·63	1001·68	1001·79	1001·95	1001·93	1001·79	1001·48	1001·29	1001·20	1001·22	1001·35	1001·57	1001·69	1001·78	1001·79	1001·77	1001·75	1001·71	1001·62	1001·71

80. ABERDEEN: H_b = 26·0 metres

DECEMBER, 1935

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	963·8	963·7	963·5	963·0	962·6	962·2	962·0	962·1	961·9	961·6	961·4	961·1	961·1	961·2	961·5	962·0	962·7	962·9	963·4	963·8	964·4	965·0	965·0	965·3	962·8
2	965·1	965·0	965·4	965·2	965·2	965·5	966·4	967·0	966·9	966·9	967·0	967·0	967·8	968·1	968·7	968·9	968·8	969·1	969·2	969·2	969·9	970·0	969·7	970·6	967·5
3	971·4	972·7	972·8	972·9	972·8	973·1	973·4	974·3	974·6	975·0	975·2	975·3	975·4	975·8	976·1	976·8	977·0	977·6	978·1	978·6	979·0	979·6	980·4	980·7	975·6
4	980·9	981·7	982·6	982·8	983·8	984·0	985·0	985·3	985·9	986·5	986·8	987·3	987·5	987·4	988·1	988·2	988·5	988·8	989·2	989·6	990·0	990·4	991·1	991·6	986·6
5	992·2	992·8	993·4	994·0	994·7	995·2	996·2	997·0	997·5	997·9	998·1	998·2	998·3	998·4	998·4	998·4	998·3	998·4	998·5	998·4	998·2	998·3	998·1	997·9	996·8
6	997·9	997·8	997·6	997·6	997·5	997·5	997·5	998·0	998·2	998·5	998·8	999·0	999·3	999·8	000·5	001·2	001·6	002·3	002·6	003·0	003·6	003·9	004·4	004·5	000·0
7	004·4	004·3	004·4	004·6	004·4	004·5	004·3	004·3	004·4	004·2	003·8	003·4	002·2	001·7	001·5	001·0	000·5	999·8	999·8	999·3	998·6	998·3	997·9	997·5	002·2
8	997·3	997·1	997·1	997·0	997·2	997·2	997·3	997·1	997·1	997·5	997·5	997·5	997·5	997·6	998·5	999·2	000·3	001·5	002·7	003·8	005·0	006·4	007·5	008·8	999·6
9	009·8	011·1	011·9	013·1	014·1	015·6	017·0	018·9	020·4	021·4	022·4	023·1	024·4	025·1	026·4	027·5	028·6	029·4	030·0	030·9	031·8	032·5	033·1	033·7	022·5
10	034·1	035·0	035·4	035·5	035·6	036·1	036·8	037·4	038·2	038·7	039·1	039·0	038·9	039·3	039·9	040·2	040·6	040·8	040·8	040·8	040·7	040·9	040·8	040·7	038·4
11	040·4	040·3	040·1	039·7	039·7	039·5	039·5	039·5	039·5	039·4	039·2	038·5	037·9	037·5	037·1	036·8	036·4	035·9	035·3	035·0	034·6	034·5	034·2	033·9	037·8
12	033·6	033·1	032·9	032·7	032·4	032·3	032·2	032·3	032·5	032·3	032·1	031·7	031·5	031·2	030·9	031·1	031·0	030·9	030·6	030·5	030·2	030·0	030·0	029·8	031·7
13	029·4	029·0	028·8	028·3	028·0	028·0	027·8	027·6	027·4	027·3	027·1	026·4	025·7	025·3	025·0	024·4	023·9	023·1	022·7	021·9	021·3	020·6	020·2	019·2	025·6
14	018·3	017·2	016·5	015·4	014·4	013·3	012·4	011·6	011·2	010·3	009·1	008·2	006·5	005·2	004·6	003·5	002·5	002·0	000·8	000·5	999·5	998·8	998·5	997·2	007·9
15	996·6	995·7	994·5	993·2	992·0	991·1	989·6	988·6	987·8	987·3	987·0	987·5	987·4	987·1	986·9	986·3	985·7	985·2	984·8	985·0	985·6	985·8	986·5	987·2	988·7
16	987·6	987·7	987·5	988·9	989·5	990·2	991·4	992·5	993·2	993·7	993·9	993·7	994·3	995·1	995·6	996·5	997·3	997·8	998·3	998·8	999·3	999·7	000·2	000·6	994·0
17	000·7	001·4	001·2	001·5	001·6	001·7	002·4	002·9	003·6	004·1	004·1	003·9	003·8	004·2	004·3	004·6	005·2	005·5	006·2	006·6	006·9	007·4	007·3	007·4	004·0
18	007·4	007·5	007·9	007·9	007·5	008·1	008·5	008·8	008·9	009·0	009·1	008·8	008·6	008·3	008·4	008·2	008·2	008·3	008·3	008·3	008·3	008·2	008·1	007·8	008·3
19	007·5	007·7	007·4	007·3	006·9	006·7	006·8	007·0	006·8	006·5	006·4	005·9	005·4	005·5	005·4	005·3	005·1	005·0	005·0	004·7	004·3	004·0	003·6	003·1	005·9
20	002·8	002·6	002·7	002·8	002·5	002·4	002·7	002·8	003·3	003·4	003·3	003·1	002·8	003·5	003·4	003·5	003·6	003·9	004·2	004·3	004·3	003·9	003·7	003·6	003·3
21	003·5	003·3	002·8	002·7	002·5	002·2	002·1	002·4	002·5	002·1	001·7	001·2	000·7	000·3	000·1	999·8	999·2	999·0	998·9	998·8	998·6	998·3	997·9	997·8	000·9
22	997·7	997·6	997·6	997·3	996·9	996·5	996·6	997·5	997·9	998·0	998·1	998·3	998·7	999·1	999·3	000·3	000·5	001·1	001·4	001·6	002·0	002·1	002·2	001·9	999·1
23	001·6	001·9	002·1	002·0	002·1	001·8	002·2	002·3	002·1	002·1	002·0	001·8	001·7	001·5	001·5	001·6	001·4	001·3	001·5	001·4	001·4	001·5	001·2	000·9	001·7
24	000·8	000·5	000·2	999·7	999·1	998·7	998·2	997·8	997·6	997·1	996·3	995·4	994·3	993·6	992·8	992·0	991·2	990·4	989·6	988·7	988·6	987·8	987·0	986·1	994·6
25	986·0	985·8	985·4	985·0	984·4	984·1	984·0	983·9	983·7	983·4	982·5	981·4	979·9	979·6	978·9	978·3	977·8	977·4	977·5	977·5	977·7	978·0	977·8	977·8	981·3
26	978·1	978·2	978·3	978·0	977·7	977·6	977·7	977·8	978·9	978·7	978·4	977·6	976·8	976·3	975·7	975·0	974·0	973·1	972·6	971·8	971·2	970·8	971·1	971·4	975·8
27	971·8	972·3	972·6	972·6	972·6	973·1	973·9	974·6	975·1	976·2	975·9	977·3	977·4	978·1	978·1	978·2	978·0	977·7	977·4	977·4	977·5	977·5	977·6	977·7	975·7
28	977·7	978·3	979·4	979·9	980·2	981·0	981·9	982·9	984·0	984·7	984·7	984·9	985·1	985·1	985·5	986·1	986·6	987·1	987·3	987·9	988·0	988·2	988·7	989·4	984·1
29	989·5	990·1	990·7	991·2	991·5	991·7	991·8	992·7	993·2	993·9	993·8	993·7	993·4	993·2	993·6	993·4	993·1	992·5	992·5	992·1	991·8	991·1	990·4	989·8	992·1
30	988·6	987·9	987·1	986·3	985·2	984·5	983·6	983·4	983·0	982·9	983·0	982·9	983·0	983·1	983·4	983·9	984·1	984·4	984·3	984·7	984·8	984·8	984·9	984·9	984·6
31	984·9	985·1	985·3	985·3	985·1	984·9	985·4	985·3	985·6	985·5	985·5	984·9	984·4	983·8	983·6	983·3	983·0	982·3	982·0	981·6	981·5	981·2	981·1	981·1	983·9
Mean (Station Level)	997·46	997·56	997·58	997·53	997·41	997·43	997·63	997·92	998·16	998·26	998·17	998·00	997·80	997·77	997·86	997·92	997·89	997·89	997·92	997·95	998·02	998·05	998·07	998·06	997·84
Mean (Sea Level)	1000·69	1000·79	1000·81	1000·76	1000·64	1000·66	1000·86	1001·15	1001·38	1001·48	1001·39	1001·21	1001·01	1001·98	1001·07	1001·14	1001·11	1001·11	1001·14	1001·18	1001·25	1001·27	1001·30	1001·29	1001·06
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 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. 1935.

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 006·87	mb 006·71	mb 006·55	mb 006·41	mb 006·34	mb 006·35	mb 006·47	mb 006·61	mb 006·73	mb 006·79	mb 006·82	mb 006·74	mb 006·64	mb 006·57	mb 006·54	mb 006·55	mb 006·62	mb 006·75	mb 006·85	mb 006·94	mb 007·00	mb 007·02	mb 006·98	mb 006·90	mb 006·70
Sea Level	010·07	009·91	009·75	009·61	009·54	009·55	009·66	009·81	009·92	009·97	009·99	009·91	009·81	009·74	009·71	009·72	009·80	009·94	010·04	010·13	010·19	010·21	010·18	010·10	009·89

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. 1935.

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
Jan.	1017·69	+0·21	+0·11	+0·04	-0·09	-0·29	-0·41	-0·36	-0·24	0·00	+0·09	+0·27	+0·11	-0·04	-0·14	-0·24	-0·09	+0·01	+0·16	+0·21	+0·07	-0·02	+0·13	+0·24	+0·27
Feb.	995·19	+0·33	+0·04	-0·28	-0·53	-0·68	-0·71	-0·63	-0·51	-0·39	-0·24	-0·05	-0·10	-0·12	-0·11	-0·08	-0·02	+0·17	+0·45	+0·54	+0·60	+0·64	+0·68	+0·54	+0·52
Mar.	1015·83	-0·07	-0·25	-0·47	-0·53	-0·50	-0·42	-0·19	+0·09	+0·18	+0·27	+0·35	+0·31	+0·14	-0·01	-0·11	-0·16	-0·08	+0·11	+0·22	+0·33	+0·34	+0·29	+0·16	+0·02
Apr.	1004·49	+0·25	-0·03	-0·29	-0·62	-0·75	-0·73	-0·62	-0·46	-0·30	-0·25	-0·17	-0·11	-0·10	-0·16	-0·10	-0·03	+0·11	+0·38	+0·57	+0·75	+0·76	+0·75	+0·65	+0·51
May	1020·21	+0·20	+0·10	0·00	-0·07	-0·11	-0·05	+0·02	+0·13	+0·15	+0·08	+0·07	-0·01	-0·11	-0·19	-0·26	-0·32	-0·36	-0·31	-0·18	+0·01	+0·24	+0·32	+0·37	+0·31
June	1006·73	+0·11	-0·01	-0·22	-0·31	-0·30	-0·30	-0·15	-0·06	-0·01	+0·06	+0·10	+0·12	+0·04	+0·07	0·00	-0·10	-0·09	-0·11	-0·01	+0·11	+0·30	+0·31	+0·27	+0·17
July	1012·80	+0·15	-0·03	-0·16	-0·18	-0·17	-0·15	-0·05	+0·04	0·00	+0·02	+0·05	-0·02	-0·08	-0·16	-0·18	-0·20	-0·16	-0·04	+0·01	+0·12	+0·28	+0·31	+0·35	+0·25
Aug.	1009·65	+0·03	-0·14	-0·32	-0·47	-0·48	-0·35	-0·24	-0·13	+0·01	+0·11	+0·13	+0·13	+0·13	+0·12	+0·01	-0·08	-0·09	-0·03	+0·11	+0·33	+0·42	+0·36	+0·30	+0·14
Sept.	1001·51	+0·32	-0·04	-0·31	-0·53	-0·66	-0·63	-0·45	-0·26	-0·13	0·00	0·00	-0·03	-0·11	-0·20	-0·26	-0·23	-0·10	+0·18	+0·43	+0·67	+0·65	+0·66	+0·57	+0·46
Oct.	998·11	+0·09	-0·03	-0·16	-0·20	-0·25	-0·21	-0·07	+0·04	+0·19	+0·15	+0·20	+0·08	-0·01	-0·12	-0·16	-0·12	-0·09	+0·07	+0·06	+0·07	+0·11	+0·12	+0·12	+0·12
Nov.	998·53	+0·17	+0·14	+0·01	-0·13	-0·14	-0·25	-0·17	-0·04	+0·15	+0·17	+0·06	-0·22	-0·38	-0·45	-0·40	-0·25	-0·01	+0·14	+0·25	+0·29	+0·29	+0·29	+0·27	+0·21
Dec.	997·84	-0·13	-0·05	-0·05	-0·13	-0·27	-0·27	-0·09	+0·18	+0·39	+0·47	+0·36	+0·16	-0·06	-0·11	-0·04	-0·01	-0·05	-0·08	-0·07	-0·06	-0·02	-0·01	-0·01	-0·04
Year	1006·70	+0·14	-0·02	-0·18	-0·32	-0·38	-0·37	-0·25	-0·10	+0·02	+0·08	+0·11	+0·04	-0·06	-0·12	-0·15	-0·13	-0·06	+0·08	+0·18	+0·27	+0·33	+0·35	+0·32	+0·24

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

83. ABERDEEN: H_b = 26·0 metres. 1935.

Day	Jan. Max.	Jan. Min.	Feb. Max.	Feb. Min.	Mar. Max.	Mar. Min.	Apr. Max.	Apr. Min.	May Max.	May Min.	June Max.	June Min.	July Max.	July Min.	Aug. Max.	Aug. Min.	Sept. Max.	Sept. Min.	Oct. Max.	Oct. Min.	Nov. Max.	Nov. Min.	Dec. Max.	Dec. 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	017·5	007·9	004·6	985·5	997·1	985·7	012·8	995·9	021·4	017·5	014·5	010·1	018·8	011·2	019·2	016·1	005·6	001·7	995·4	986·0	004·6	983·2	965·3	961·0
2	025·6	017·4	007·5	985·3	011·7	997·1	016·0	012·8	017·5	013·1	010·1	003·7	011·7	006·9	020·8	019·2	001·7	991·6	994·6	982·6	006·8	000·3	970·6	965·0
3	025·6	014·9	007·7	001·0	014·4	010·5	016·8	005·0	013·2	011·3	004·5	002·5	015·5	004·6	020·4	017·5	999·8	997·5	986·6	982·1	010·1	002·6	980·7	970·6
4	018·4	014·4	007·4	003·0	019·7	014·4	005·3	996·3	016·1	012·1	004·6	001·1	008·4	003·8	017·5	014·4	998·8	996·0	991·9	986·5	002·7	998·1	991·6	980·7
5	017·8	012·7	003·9	996·3	020·6	014·2	996·3	990·3	022·1	016·1	001·1	998·1	012·7	006·1	022·9	016·2	006·7	998·8	991·8	989·6	998·1	995·4	998·5	991·6
6	019·1	013·4	026·4	003·9	030·5	020·8	003·4	993·4	028·6	022·1	000·0	993·0	020·8	012·7	024·7	021·6	018·2	006·7	007·3	991·8	999·9	995·2	004·5	997·4
7	024·8	019·1	026·7	025·1	036·1	030·5	002·7	994·8	032·0	028·2	993·0	984·8	021·6	020·1	021·6	012·2	023·0	018·1	007·6	996·0	000·1	997·6	004·7	997·5
8	024·4	020·9	026·0	022·2	040·9	035·9	997·8	992·1	031·9	030·6	009·8	985·8	020·2	015·8	012·2	008·8	022·7	021·1	996·0	989·7	997·6	989·8	008·8	996·9
9	021·2	016·4	022·3	016·7	042·7	038·7	995·8	985·7	031·3	028·5	012·5	009·8	015·8	011·5	010·5	008·9	022·3	021·0	993·0	981·4	992·4	990·4	033·7	008·8
10	016·4	007·5	017·6	014·2	038·7	035·7	986·9	966·0	028·5	025·4	011·0	999·2	018·1	010·3	009·0	002·6	021·7	014·2	990·8	979·2	001·7	992·4	041·0	033·7
11	007·6	989·3	014·4	996·6	040·1	036·6	997·8	975·9	025·5	022·7	999·2	988·4	023·4	018·1	006·6	000·2	014·2	007·5	005·3	990·7	001·2	994·0	040·7	033·9
12	006·5	993·4	000·2	988·8	040·3	034·9	010·1	997·8	024·3	023·3	999·9	988·5	023·2	018·2	013·0	005·7	007·5	995·1	010·8	005·3	995·8	986·4	033·9	029·8
13	008·2	000·5	996·6	982·5	034·9	026·1	011·2	005·9	023·7	016·3	004·6	999·1	019·3	015·5	012·9	008·6	998·4	991·7	013·5	001·1	997·1	995·5	029·8	019·2
14	019·3	000·7	000·2	979·8	026·1	015·9	008·0	003·7	025·7	018·7	004·9	000·7	023·1	019·3	012·5	008·9	997·7	990·5	013·2	000·9	998·9	992·5	019·2	997·2
15	027·8	019·3	998·6	986·6	015·9	002·3	007·7	998·4	023·9	009·6	000·7	998·8	022·0	013·2	015·0	012·4	995·0	980·8	012·9	005·7	998·9	991·1	997·2	984·6
16	035·9	024·9	992·1	975·8	002·3	997·9	998·4	974·0	019·2	008·9	001·0	998·2	013·2	008·0	016·0	014·4	983·0	976·3	015·2	007·9	994·8	992·6	000·6	987·0
17	040·4	035·2	004·5	992·1	009·9	998·6	993·5	972·4	010·2	004·9	009·8	001·0	008·1	004·4	016·0	013·8	981·5	964·2	015·1	000·3	994·8	991·4	007·5	000·5
18	041·5	040·0	002·5	988·7	011·4	008·1	999·2	993·5	011·4	009·3	014·9	009·2	004·9	999·7	013·8	011·4	994·3	981·5	013·3	976·1	998·5	992·2	009·1	007·3
19	040·5	038·7	998·6	985·2	008·7	004·8	004·8	999·0	012·9	008·8	015·4	011·0	000·2	994·5	012·4	010·3	988·3	971·3	990·9	956·5	003·1	998·4	007·9	003·1
20	039·2	037·5	992·9	968·0	008·6	000·4	004·8	001·0	024·0	012·9	011·0	002·9	001·2	990·3	014·1	012·2	012·2	985·8	007·8	990·9	010·9	003·1	004·4	002·4
21	037·5	033·4	970·5	963·7	008·9	002·1	001·0	995·5	025·8	023·6	013·0	004·4	016·2	001·2	013·3	004·7	016·2	012·2	010·8	005·9	014·7	010·9	003·6	997·7
22	033·7	025·7	970·5	965·4	002·2	991·3	007·4	999·9	025·5	024·2	016·5	012·5	016·8	014·2	011·5	006·3	012·6	001·1	011·0	007·2	016·7	014·1	002·3	996·3
23	025·8	018·6	982·9	969·2	000·5	989·0	020·2	006·9	024·3	023·3	021·6	016·5	019·0	014·4	011·0	006·3	008·0	000·5	007·3	000·3	016·7	014·9	002·4	000·9
24	022·2	982·9	984·2	978·9	014·5	000·5	022·1	020·1	026·2	023·7	020·9	017·0	023·4	019·0	015·8	010·8	008·4	005·3	011·0	001·6	015·0	012·7	000·9	986·1
25	982·9	968·5	992·0	977·3	011·6	005·9	024·7	021·5	026·2	024·5	017·0	009·7	021·2	015·1	017·6	007·2	014·6	005·4	014·4	010·9	013·4	996·1	986·3	977·3
26	014·4	981·8	996·8	992·0	012·4	009·8	024·5	023·1	024·6	022·6	009·8	005·8	017·7	006·4	007·2	992·3	014·7	002·5	014·3	002·3	996·1	991·8	979·0	970·7
27	024·9	014·4	994·3	981·2	025·0	012·4	024·4	023·0	023·3	021·2	012·1	005·9	006·5	999·6	995·1	988·3	005·1	000·5	005·4	993·9	001·2	993·5	977·7	971·3
28	021·6	012·1	985·7	979·3	025·1	020·6	024·3	023·2	021·9	019·8	025·2	012·1	011·1	001·7	995·4	990·4	005·1	996·3	009·9	998·3	993·5	980·6	989·4	977·6
29	023·5	016·5	-	-	028·5	020·8	023·8	020·0	019·8	015·4	025·0	016·6	018·0	011·1	999·9	990·2	003·4	992·9	000·9	989·3	991·6	985·1	994·0	989·3
30	016·5	009·0	-	-	023·1	009·7	021·5	018·2	015·4	012·7	019·9	015·6	021·0	018·0	998·1	995·7	992·9	986·6	990·4	971·6	985·3	964·5	989·8	982·8
31	010·3	004·6	-	-	009·7	000·4	-	-	014·8	013·4	-	-	020·9	016·9	003·0	997·7	-	-	983·4	972·2	-	-	985·8	980·9
Mean	1022·29	1012·86	1000·99	989·44	1019·76	1011·99	1008·77	1000·18	1022·30	1018·22	1010·12	1003·40	1015·94	1009·74	1012·23	1007·27	1005·79	997·16	1003·61	992·06	1001·74	994·88	1001·96	993·52

Year	...	1010·58	1002·71

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. † See page 21.

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, 1935

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

85. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — FEBRUARY, 1935

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	78·1	78·0	77·9	77·6	76·6	77·1	77·5	77·7	78·1	82·0	84·4	85·0	85·9	85·4	86·1	85·3	84·8	84·5	84·5	84·6	84·7	84·8	84·2	83·3	81·9
2	82·9	81·9	80·5	80.3	79·6	77·0	76·8	77·3	75·4	77·0	77·1	78·9	75·3	75·8	74·9	75·4	74·5	74·8	74·4	74·2	73·5	73·1	73·0	73·1	76·7
3	72·6	72·2	72·7	72·6	73·4	74·2	74·0	73·5	75·9	75·8	75·9	76·5	77·5	77·8	78·0	77·4	76·1	76·0	76·1	75·8	75·7	75·3	74·8	74·9	75·2
4	74·7	74·7	74·5	74·2	74·4	74·4	74·4	73·8	74·0	74·8	75·8	76·5	77·5	78·5	78·5	78·3	77·7	77·4	77·3	77·7	77·1	76·5	76·5	75·9	76·0
5	75·9	76·3	76·6	76·4	75·7	74·7	74·9	75·5	76·1	77·3	78·3	79·0	79·5	79·6	77·8	77·8	76·6	75·7	75·2	75·2	75·0	76·2	76·9	78·1	76·6
6	77·8	77·1	76·6	76·0	75·7	75·2	75·2	76·0	75·9	76·1	76·7	77·2	77·6	78·0	78·0	77·7	76·4	75·2	75·0	75·1	75·2	75·0	74·7	75·1	76·3
7	75·5	75·2	75·1	74·3	73·5	73·7	73·8	73·7	74·3	75·5	76·5	77·7	78·0	78·0	78·5	78·6	78·1	78·1	77·8	77·5	77·5	77·2	77·3	77·2	76·3
8	76·8	76·8	76·9	77·0	77·1	77·1	76·9	76·1	76·6	77·0	77·8	79·1	79·9	80·8	80·1	79·9	78·7	77·8	76·7	75·6	74·8	74·4	74·2	73·5	77·2
9	73·1	72·6	72·6	72·3	72·2	72·3	72·4	73·2	73·0	73·5	75·4	76·9	78·1	78·5	78·5	78·1	77·9	77·1	76·6	75·2	75·0	75·4	75·6	76·3	75·0
10	76·4	77·5	77·6	77·4	77·0	77·1	77·1	75·9	77·2	77·3	78·2	78·9	79·4	79·8	80·0	79·8	78·6	78·0	77·6	77·4	77·3	77·4	77·2	77·0	77·8
11	76·7	76·8	76·5	75·4	74·6	74·0	73·5	73·6	73·9	75·7	77·4	78·1	79·1	79·0	78·8	79·4	80·2	80·1	80·4	80·3	80·5	80·1	79·8	79·7	77·6
12	80·3	81·0	81·6	81·7	81·7	81·3	81·7	80·1	82·3	82·3	83·0	81·0	80·8	80·4	80·2	79·5	79·0	78·9	78·1	78·0	77·4	77·4	77·5	77·6	80·2
13	78·8	78·6	77·9	77·9	78·3	78·3	78·1	77·9	78·0	78·7	78·9	80·5	81·0	80·9	81·0	80·8	80·2	79·4	79·2	79·4	79·6	79·4	79·5	78·8	79·2
14	78·5	78·6	79·3	78·3	78·0	78·1	78·5	79·0	78·7	74·8	75·2	77·2	76·4	76·5	77·0	76·8	76·6	76·3	76·7	76·8	76·0	75·9	76·9	77·3	77·3
15	78·0	79·2	79·7	79·4	78·4	78·7	78·7	78·3	78·5	78·4	78·7	79·2	79·4	79·8	80·1	79·9	79·6	79·5	79·3	78·8	78·4	78·3	78·4	78·4	78·9
16	78·5	78·6	79·0	79·3	79·3	78·9	79·0	79·0	78·8	79·4	79·4	79·1	78·6	78·2	77·5	76·6	76·0	76·9	76·8	77·1	76·8	76·8	77·0	76·7	78·1
17	77·2	77·3	77·8	77·7	77·8	77·5	77·0	77·3	77·9	79·0	79·9	81·0	82·2	83·0	83·3	82·7	82·0	81·3	80·6	80·5	80·7	80·6	80·5	80·8	79·7
18	80·8	81·0	80·5	80·9	81·5	81·6	80·8	81·5	81·3	81·9	81·7	81·9	81·6	81·6	81·4	82·1	83·4	83·9	82·3	84·3	83·2	82·8	84·5	84·7	82·1
19	84·6	84·3	84·1	84·3	84·0	83·8	83·3	81·1	78·6	78·1	78·4	78·6	79·4	79·8	80·0	79·6	79·0	78·0	78·3	78·5	78·8	78·7	78·8	79·0	80·6
20	79·1	79·3	79·6	79·8	80·4	80·5	80·6	80·6	80·4	80·5	81·1	81·2	81·7	81·7	81·5	82·0	81·8	81·1	81·0	80·1	80·6	80·6	80·0	79·7	80·6
21	79·6	79·6	79·3	79·2	79·2	79·0	78·7	79·2	79·6	79·8	80·8	80·6	80·2	80·9	81·4	81·6	79·9	79·4	79·6	79·0	78·4	77·5	76·8	76·2	79·5
22	76·0	75·9	76·0	75·8	76·2	75·5	74·9	75·0	75·8	76·8	78·2	78·7	81·0	80·9	80·4	79·8	78·8	78·0	77·4	77·6	77·3	77·0	76·5	75·9	77·3
23	75·0	74·7	75·2	74·9	74·8	74·8	73·0	74·0	74·3	74·1	74·6	74·7	74·9	74·4	74·0	73·4	73·2	72·8	73·0	72·3	72·2	72·3	71·6	71·4	73·8
24	71·1	71·5	70·8	70·7	70·5	69·8	70·4	70·5	71·7	72·5	73·6	75·0	75·7	75·0	75·1	75·2	75·0	75·0	74·4	73·3	73·5	74·2	74·7	75·3	73·0
25	74·5	74·5	74·3	73·8	73·9	73·4	73·7	72·5	73·5	73·8	74·6	74·3	74·8	74·0	73·8	75·0	74·8	73·1	73·5	73·1	73·0	73·0	72·7	71·8	73·8
26	71·4	71·2	71·3	70·9	70·1	70·0	69·3	69·9	73·0	73·6	74·6	77·3	78·2	78·6	78·3	77·6	75·9	75·2	74·7	74·3	74·3	74·0	75·9	76·5	73·9
27	77·1	77·3	77·2	77·7	77·6	77·5	77·3	77·5	78·0	78·3	78·6	78·9	78·9	79·0	78·4	77·9	77·6	77·6	77·7	78·2	78·3	78·3	78·0	78·2	77·9
28	78·0	78·2	78·4	78·6	78·8	78·9	79·3	79·1	79·3	79·6	79·6	79·3	80·0	79·8	79·5	79·1	78·9	79·0	78·7	78·8	78·9	78·9	78·4	78·2	79·0
Mean	77·1	77·1	77·1	76·9	76·8	76·6	76·5	76·4	76·8	77·3	78·0	78·7	79·0	79·1	79·0	78·8	78·3	77·9	77·6	77·5	77·3	77·2	77·2	77·2	77·6
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·

86. **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres **MARCH, 1935**

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	78·9	78·6	78·6	78·7	78·7	78·9	79·2	79·2	79·8	79·7	80·4	80·0	80.0	79·6	79·5	79·6	79·5	78·9	79·0	78·6	78·3	78·6	79·0	78·7	79·2
2	78·4	78·6	78·4	78.1	78·4	78·5	78·4	78·5	78·6	78·9	79·1	79·1	79·1	78·6	78·7	78·6	78·5	78·4	78·4	78·3	78·2	78·1	78·1	78·0	78·5
3	78·3	77·8	77·7	77·8	78·2	78·3	78·3	78·4	78·4	78·2	78·0	77·9	78·4	78·4	78·5	78·2	78·0	77·9	77·3	77·7	77·4	75·2	75·5	75·5	77·8
4	75·6	75·8	75·9	75·9	75·4	75·2	74·9	75·0	76·0	77·4	78·4	78·9	78·9	79·1	78·9	78·9	78·4	78·1	78·2	78·3	78·4	78·4	78·4	77·8	77·3
5	77·2	76·6	76·1	76·0	75·9	75·9	75·8	76·4	77·0	77·4	77·4	78·9	79·0	79·6	75·9	77·4	77·0	76·5	76·1	75·9	76·1	75·7	75·4	75·7	76·7
6	76·3	76·5	76·4	75·1	75·9	76·6	77·1	77·3	77·8	79·0	79·8	80·3	81·0	81·5	82·0	80·3	80·1	80·2	80·2	79·9	79·3	79·5	79·2	79·2	78·7
7	79·1	78·9	79·1	77·5	76·9	76·0	76·0	75·6	77·4	80·4	81·0	80·4	79·6	79·4	79·7	79·4	79·3	79·0	78·9	78·8	78·6	78·4	78·1	78·1	78·6
8	78·0	77·9	77·7	77·6	77·8	77·9	78·3	78·7	79·0	79·4	80·2	80·5	80·2	79·8	79·6	79·4	79·0	78·6	78·4	78·1	77·6	77·5	77·4	77·5	78·6
9	77·1	77·1	77·0	77·1	77·2	77·5	77·4	77·5	78·0	77·9	78·0	77·6	77·7	77·5	77·5	77·4	77·1	76·7	76·6	76·5	76·4	76·5	76·4	76·5	77·2
10	76·6	76·6	76·7	76·9	77·0	77·1	77·2	77·3	77·5	77·9	77·8	77·9	77·6	78·0	77·6	77·9	77·7	77·5	77·3	77·3	77·3	77·4	77·4	77·4	77·3
11	77·4	77·6	77·5	77·5	77·6	77·6	77·8	78·4	79·0	79·6	79·9	80·2	80·0	80·0	79·8	79·5	79·0	78·4	78·0	77·3	75·8	74·9	74·7	74·0	78·1
12	72·9	73·2	72·3	71·6	71·2	70·9	71·0	72·6	73·6	75·4	78·2	78·8	79·0	78·9	78·8	78·7	78·4	78·3	78·1	78·0	78·1	78·0	78·0	77·7	75·8
13	77·7	77·9	78·2	78·0	78·3	78·5	78·7	79·0	79·1	79·0	79·3	79·4	79·5	79·4	79·0	78·8	78·5	77·9	77·6	77·4	77·4	77·4	77·4	77·1	78·4
14	77·1	77·1	77·1	76·9	77·1	76·9	76·9	77·3	77·5	77·9	78·3	79·3	79·1	78·9	79·2	79·0	79·0	78·3	78·0	77·4	77·2	76·6	75·2	78·3	77·7
15	78·6	78·6	78·6	78·6	78·5	78·4	78·2	78·6	78·9	79·3	79·2	79·4	79·9	79·5	79·4	78·6	78·4	78·1	77·5	77·2	77·4	77·8	77·8	78·0	78·5
16	77·4	76·3	75·3	75·0	75·3	75·5	75·2	75·7	76·3	77·2	78·5	79·3	79·7	79·4	79·1	79·3	79·0	78·9	78·7	78·5	78·5	78·5	78·5	78·5	77·6
17	78·5	78·3	77·9	77·9	77·9	77·5	77·2	77·4	77·9	78·5	79·3	80·0	80·1	80·0	80·0	80·4	80·4	79·8	79·5	79·0	78·8	78·0	77·0	77·2	78·7
18	77·2	77·0	76·8	76·8	76·9	77·3	78·1	78·8	79·4	80·1	80·5	80·7	80·8	81·1	80·8	80·8	80·5	80·1	80·3	80·7	80·8	81·3	81·2	81·5	79·5
19	80·9	82·0	82·0	82·6	82·4	82·4	82·4	82·8	83·6	83·8	84·4	85·2	85·5	85·1	84·8	84·4	83·7	81·6	81·1	82·5	82·7	82·7	82·2	81·7	83·0
20	81·1	80·9	80·8	80·9	81·6	81·5	81·1	82·0	83·4	84·4	84·8	85·6	86·3	86·4	86·1	85·5	85·3	84·5	83·9	82·6	82·2	82·0	80·9	80·3	83·1
21	79·4	80·0	79·3	78·7	79·7	78·8	79·8	80·6	82·3	84·0	85·2	86·3	86·7	86·4	85·9	84·9	84·0	83·5	83·0	82·7	82·7	82·4	81·8	81·6	82·5
22	81·7	81·8	81·5	81·4	81·3	81·2	80·7	81·4	82·7	83·3	84·3	84·9	85·2	85·6	83·1	83·2	82·6	81·7	81·1	80·4	80·0	80·0	79·6	79·2	82·0
23	79·2	79·1	79·0	78·9	78·2	78·2	78·4	79·7	81·3	82·3	82·1	82·3	82·8	83·6	84·0	83·9	83·6	83·0	82·5	81·3	81·2	81·2	81·1	80·9	81·1
24	80·5	79·7	79·9	79·1	79·1	79·1	79·6	80·4	82·0	82·6	83·4	84·0	85·0	85·2	83·4	84·2	83·6	82·3	82·4	82·6	82·7	81·8	81·4	80·5	81·9
25	80·5	81·2	82·9	82·6	82·8	83·9	83·6	83·3	83·3	85·2	85·0	87·2	89·2	89·3	89·4	88·2	86·4	85·4	84·6	83·5	82·4	81·9	82·0	81·3	84·4
26	81·4	80·9	80·7	80·4	80·2	79·8	80·3	81·5	81·6	82·6	83·2	83·6	84·2	84·5	84·1	83·8	81·6	81·6	80·3	79·9	79·8	80·2	80·1	79·9	81·5
27	80·0	79·9	80·0	79·8	79·7	79·3	79·7	80·6	81·4	82·2	82·8	83·0	83·2	83·4	83·3	83·3	83·2	82·6	81·4	80·6	80·4	79·6	79·5	79·5	81·2
28	79·5	79·6	78·6	78·4	78·1	78·4	78·4	80·0	81·1	82·2	82·2	82·4	82·7	83·2	83·4	82·9	82·2	80·6	80·5	80·2	80·1	79·8	79·3	79·1	80·5
29	78·9	78·8	78·0	77·0	76·4	76·4	76·4	76·9	77·4	77·6	78·0	78·2	78·3	78·9	78·8	78·5	78·4	78·2	77·8	77·5	77·0	76·4	76·0	76·4	77·6
30	76·9	77·2	77·1	77·3	77·2	77·3	78·1	79·6	80·4	82·6	85·4	85·4	85·6	85·6	85·9	84·4	83·4	83·2	82·9	82·6	82·3	81·9	81·6	81·4	81·4
31	81·2	81·1	80·9	80·9	80·9	80·9	81·1	81·8	83·3	83·9	86·7	86·3	86·3	84·7	84·4	83·9	83·3	82·5	81·4	80·8	80·4	79·4	79·6	79·6	82·3
Mean	78·5	78·5	78·3	78·1	78·1	78·1	78·2	78·8	79·5	80·3	81·0	81·4	81·6	81·6	81·3	81·1	80·6	80·1	79·7	79·4	79·2	78·9	78·7	78·6	79·6

87. **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres **APRIL, 1935**

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

88. **ABERDEEN:** North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres — **MAY, 1935**

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	79·5	79·4	79·4	79·4	79·5	79·7	79·9	80·2	80·7	81·0	81·6	81·5	81·8	81·9	82·1	81·9	81·5	81·0	80·6	80·0	80·0	79·9	79·8	79·6	80·5
2	79·2	79·0	79·1	78·6	78·5	79·5	80·8	81·6	83·0	82·6	84·1	84·9	85·8	85·8	86·3	85·3	84·3	84·0	83·8	83·9	83·7	83·7	82·4	82·7	82·5
3	82·2	82·3	81·8	81·0	80·8	81·6	83·1	85·5	86·4	87·5	87·8	88·3	88·6	89·1	89·2	89·2	89·0	87·9	87·4	86·5	86·0	85·9	84·9	83·3	85·6
4	82·6	81·5	82·2	81·6	81·6	82·2	83·9	85·0	86·5	87·7	87·9	88·6	88·7	88·3	87·5	86·8	86·9	85·1	84·0	83·6	82·7	82·0	81·8	81·3	84·6
5	81·0	80·9	80·3	80·0	80·3	81·5	82·3	83·2	83·1	83·2	83·3	84·3	83·9	84·3	85·0	84·0	85·0	83·3	83·2	83·4	83·9	83·0	82·4	82·5	82·8
6	82·0	81·5	80·8	80·7	81·3	81·9	82·3	83·1	84·0	84·7	84·5	83·8	84·1	83·9	84·2	84·4	85·5	85·5	85·1	83·8	82·5	82·5	82·2	81·0	83·2
7	79·9	79·0	78·5	80·0	80·8	81·1	81·3	81·6	81·5	81·7	82·7	83·1	83·4	83·4	82·9	84·0	83·4	83·1	82·6	82·0	80·8	79·8	79·0	78·5	81·5
8	77·4	76·6	76·2	76·3	76·0	76·7	79·4	82·1	84·0	83·2	83·4	83·5	84·2	83·5	83·1	82·9	82·5	82·1	82·2	81·6	81·4	80·9	80·5	79·7	80·8
9	78·9	79·1	79·5	78·0	78·0	78·7	80·7	82·5	83·8	84·2	84·6	83·7	83·4	83·5	83·1	83·0	83·4	82·6	80·7	80·0	80·1	80·2	80·2	80·7	81·3
10	81·1	81·2	81·5	81·2	81·2	82·0	81·8	82·2	83·2	82·6	83·3	83·5	83·4	83·0	83·5	83·3	83·3	83·6	83·2	82·3	81·5	80·9	80·2	80·0	82·2
11	79·9	79·5	79·6	80·0	79·6	79·6	81·4	83·9	84·9	85·4	86·7	86·0	85·9	85·1	84·3	83·8	84·1	83·4	82·6	81·5	81·0	80·9	80·2	79·8	82·5
12	78·9	78·8	78·1	77·6	77·4	77·9	78·2	78·4	78·2	79·0	80·0	79·4	80·2	78·5	79·8	78·2	78·0	78·2	77·0	77·1	77·2	77·2	77·2	77·0	78·3
13	76·8	77·1	77·0	76·6	76·6	77·0	78·0	78·0	77·9	77·3	77·7	76·9	76·4	74·6	74·1	74·0	74·0	74·6	74·8	74·4	74·7	74·7	74·7	75·4	76·0
14	75·3	75·1	75·7	76·1	76·3	76·4	77·7	79·7	80·2	80·5	81·0	80·5	80·5	80·6	80·4	80·5	80·8	80·6	79·9	79·3	77·8	76·3	75·3	74·2	78·4
15	74·1	75·6	76·0	76·2	77·1	78·0	78·4	78·7	78·4	76·2	77·1	77·6	77·8	79·8	79·2	77·6	77·2	77·2	77·1	77·1	76·6	76·3	76·0	75·2	77·1
16	74·7	75·0	74·0	73·6	74·0	74·2	74·0	76·4	76·0	77·6	78·0	78·2	78·4	77·9	78·0	75·4	74·3	74·6	74·6	74·5	73·5	73·3	72·9	72·9	75·3
17	72·5	72·3	72·1	72·8	73·3	73·9	75·0	74·7	74·5	75·9	77·9	78·6	78·2	78·0	77·8	79·3	78·6	78·5	78·3	76·7	77·6	76·8	76·7	76·8	76·0
18	76·2	76·2	76·2	74·8	75·2	76·0	77·3	76·0	77·9	78·6	80·0	78·9	79·9	80·0	80·2	80·1	79·9	79·8	79·6	79·2	79·0	78·8	78·7	78·6	78·2
19	78·2	78·5	78·3	78·4	79·3	80·4	81·0	80·4	80·7	81·0	81·3	81·2	82·0	81·8	81·6	81·5	81·1	80·8	80·7	80·8	80·9	80·6	80·4	80·3	80·4
20	80·2	80·2	80·1	79·9	80·1	80·2	80·7	81·6	82·2	82·4	83·6	82·2	82·2	82·4	82·0	81·8	81·9	81·1	80·9	80·5	79·6	79·7	79·6	79·4	81·0
21	79·1	78·9	78·7	78·4	78·7	79·5	80·5	81·4	82·0	82·2	82·9	83·3	82·0	81·9	81·8	81·5	81·7	81·7	81·3	80·6	80·0	79·0	78·4	77·2	80·6
22	76·9	76·2	76·6	77·0	77·9	79·4	80·7	81·7	82·5	83·7	83·8	84·2	82·7	82·8	83·0	83·3	82·6	82·8	82·6	82·3	82·5	82·4	82·1	81·9	81·2
23	81·7	81·6	81·5	81·4	81·6	82·1	82·7	82·8	82·9	83·4	83·3	83·9	84·7	85·3	84·9	83·2	83·1	82·6	82·4	81·8	80·8	81·1	80·6	79·9	82·5
24	78·2	77·9	77·8	78·2	78·6	79·9	81·6	81·4	82·4	82·0	82·3	82·8	82·9	82·7	82·5	82·3	82·7	82·0	81·5	80·5	80·6	80·6	80·6	80·1	80·9
25	79·8	79·7	79·9	80·1	80·5	81·2	81·9	82·7	83·2	84·0	83·2	83·7	83·1	82·7	82·9	82·8	83·3	82·9	82·6	82·2	82·0	81·5	81·0	80·9	82·0
26	80·8	80·4	80·3	80·2	80·4	80·9	81·0	81·4	82·0	82·2	82·7	82·0	81·6	81·8	81·6	81·8	82·1	81·8	81·5	81·0	80·8	80·6	80·4	80·2	81·2
27	80·2	80·1	79·9	79·9	80·0	80·6	80·9	80·9	81·1	81·4	82·3	82·7	82·4	82·3	81·9	81·5	81·0	80·3	79·8	79·4	79·2	79·0	78·9	78·7	80·6
28	78·5	78·1	78·3	78·7	79·0	79·0	79·1	79·4	79·8	80·4	80·4	80·9	81·3	81·3	81·3	80·9	80·6	80·4	80·3	80·0	79·7	79·4	79·6	79·4	79·8
29	79·4	79·1	78·8	78·9	78·8	78·9	79·2	79·5	79·9	81·0	80·9	81·1	81·0	81·6	81·3	81·6	80·9	80·6	80·5	80·3	80·1	80·3	80·3	80·4	80·2
30	80·1	80·1	80·0	79·8	79·7	79·8	80·2	80·5	80·7	80·9	81·3	81·6	81·9	82·3	82·5	82·4	82·7	82·6	82·4	82·1	80·6	79·8	79·5	78·7	81·0
31	79·0	79·2	79·5	80·0	80·3	81·1	81·6	82·0	82·3	82·4	83·2	82·9	82·8	83·2	82·7	82·1	82·6	82·0	81·6	81·2	80·7	80·3	80·1	79·9	81·3
Mean	78·8	78·7	78·6	78·6	78·8	79·4	80·2	80·9	81·5	81·8	82·3	82·4	82·4	82·4	82·3	81·9	81·9	81·5	81·1	80·6	80·2	79·9	79·6	79·2	80·6

89. **ABERDEEN:** North Wall Screen on Tower: h_t = 12·5 metres — **JUNE, 1935**

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	79·6	79·5	79·6	79·4	79·5	79·8	80·2	80·9	81·2	81·4	81·8	81·6	81·8	82·3	82·2	82·9	82·2	82·3	82·0	81·1	80·8	80·5	80·4	80·4	81·0
2	80·4	80·3	80·3	80·1	80·3	80·3	80·6	80·9	81·0	81·4	81·7	81·9	81·9	82·0	81·7	81·7	81·4	81·2	80·8	80·6	80·5	80·5	80·4	80·4	80·9
3	80·5	80·4	80·2	79·8	79·6	79·6	78·7	79·1	79·5	79·5	79·9	80·4	80·4	80·0	80·2	80·3	80·1	80·5	80·4	80·3	79·6	80·1	80·1	80·3	80·0
4	80·2	80·1	80·2	80·3	80·5	80·6	80·9	81·2	81·4	81·4	82·0	82·3	82·0	81·7	81·6	81·4	81·6	81·2	81·3	81·3	81·1	80·8	80·6	80·7	81·1
5	80·7	80·8	80·9	80·9	81·0	80·9	80·9	81·0	80·8	80·8	80·9	80·7	80·6	80·7	80·2	80·1	80·2	80·2	80·3	80·2	80·0	80·0	79·9	80·0	80·5
6	80·0	79·9	80·0	80·0	80·0	80·1	80·6	81·0	82·0	82·0	82·6	83·3	83·9	85·0	84·9	83·4	83·1	82·5	82·5	82·9	82·6	82·6	82·6	82·9	82·0
7	83·1	83·0	82·8	82·6	82·9	84·5	85·0	85·0	85·0	85·3	85·3	84·3	85·7	87·0	84·7	85·2	83·4	84·2	84·2	83·5	82·9	83·1	82·9	82·8	84·1
8	83·1	83·1	83·0	83·2	83·5	83·4	84·3	85·3	85·0	85·0	85·0	85·0	85·0	83·5	83·8	84·7	84·6	84·4	83·5	82·6	81·0	80·2	80·2	79·2	83·5
9	78·7	78·6	78·7	78·4	78·9	81·8	83·8	84·9	85·1	85·0	85·0	85·4	86·1	85·7	85·8	85·5	84·6	84·1	84·1	83·7	83·3	82·6	82·4	82·6	83·0
10	82·2	82·5	82·4	82·6	82·8	82·9	83·0	83·2	83·7	83·7	83·7	83·4	83·1	82·6	82·4	82·3	82·1	82·0	82·0	82·1	82·1	82·3	82·2	82·0	82·7
11	82·0	82·0	82·0	82·2	82·4	82·6	83·0	85·5	86·7	84·6	85·5	86·6	86·2	85·4	85·5	85·0	84·4	84·2	83·6	83·5	83·8	83·8	83·7	83·7	84·1
12	84·1	83·6	83·5	83·5	84·5	84·7	85·1	85·2	84·6	84·6	86·9	88·5	89·5	87·9	88·5	88·7	87·6	86·6	85·7	87·1	86·0	85·0	84·6	83·8	85·8
13	83·5	82·9	82·5	82·8	83·9	84·6	85·2	86·2	85·7	87·0	87·1	85·5	86·8	87·8	85·1	86·4	84·3	84·2	84·3	84·8	84·1	83·0	83·9	82·7	84·8
14	82·6	81·9	81·6	82·1	82·9	83·5	83·3	83·5	85·2	84·4	85·0	86·0	85·2	85·2	85·1	85·6	86·1	85·8	85·2	84·1	84·1	83·7	83·1	83·1	84·1
15	83·1	82·9	82·7	82·4	82·9	82·9	83·3	83·0	83·2	83·4	83·5	84·3	86·0	85·5	86·5	86·3	87·0	85·6	84·8	84·5	84·0	83·7	83·6	82·6	84·1
16	81·2	80·6	79·8	79·5	81·4	83·4	83·6	84·2	84·9	85·9	86·5	86·2	86·1	87·1	86·4	85·6	85·5	85·1	85·9	85·5	83·9	83·5	83·2	82·7	84·1
17	81·7	81·6	81·4	81·5	81·4	81·7	82·1	82·5	83·0	83·0	83·8	84·4	84·4	83·4	83·3	83·0	82·8	82·8	82·8	82·7	82·6	82·6	82·7	82·7	82·7
18	82·7	82·8	82·6	82·6	83·4	83·0	83·6	84·0	84·5	84·5	84·4	84·6	84·9	84·8	84·7	84·6	84·4	84·3	84·1	83·9	83·6	83·0	82·8	83·0	83·8
19	82·9	82·6	82·2	82·4	83·2	84·5	85·8	86·2	86·0	86·1	86·5	86·4	86·2	85·9	86·2	86·2	86·5	85·4	84·9	84·6	84·3	83·8	83·6	83·6	84·8
20	83·5	83·5	83·6	83·5	83·5	83·6	83·7	83·8	83·9	84·6	85·5	87·0	86·6	86·9	86·6	87·0	87·9	90·2	90·4	89·0	88·1	87·1	87·0	85·4	85·9
21	85·4	85·4	85·5	85·9	85·9	86·1	87·8	86·7	87·0	87·5	89·0	90·9	90·2	90·8	93·0	94·0	92·7	90·3	88·8	89·4	90·1	89·1	87·6	87·9	88·6
22	87·6	86·2	85·4	86·5	87·8	88·3	88·9	90·2	91·1	90·2	90·7	91·4	93·9	92·9	93·0	91·7	90·8	90·5	90·8	89·3	88·9	89·0	88·1	87·6	89·6
23	86·2	85·9	85·6	86·9	86·9	87·5	87·7	87·8	88·7	86·5	87·1	86·6	87·2	88·3	88·9	88·7	88·0	87·9	86·6	86·6	86·8	85·5	86·5	86·4	87·1
24	86·9	86·6	86·3	85·5	86·2	86·0	86·0	86·9	88·2	86·3	85·7	86·1	87·2	88·0	88·6	87·6	87·8	87·9	88·8	87·8	87·2	86·6	85·9	85·6	86·9
25	85·2	85·2	85·1	85·0	85·1	85·6	86·0	86·4	87·4	89·0	90·5	87·5	88·2	87·4	87·6	90·1	86·3	86·5	88·6	88·4	87·4	86·5	87·0	87·0	87·0
26	86·8	86·8	85·3	85·8	86·4	86·6	86·9	86·9	87·2	87·2	87·5	89·0	88·2	87·5	88·2	87·6	87·7	86·9	86·7	86·6	86·3	86·9	87·2	86·8	87·0
27	87·0	87·2	87·5	87·9	88·1	88·3	88·1	88·7	89·0	88·2	89·0	88·3	88·8	90·0	90·8	91·2	91·1	90·4	89·9	89·1	88·4	87·9	87·8	87·3	88·7
28	87·0	86·6	86·5	86·4	86·8	88·0	89·2	90·8	90·4	90·1	90·4	91·1	89·4	89·7	87·7	87·5	87·9	87·5	86·5	86·5	85·4	85·0	84·4	85·2	87·8
29	85·3	85·4	84·8	85·9	87·0	89·2	90·6	91·1	90·8	91·8	91·8	91·8	92·0	91·3	91·4	92·0	91·6	91·5	90·5	89·5	89·0	87·9	89·0	88·8	89·5
30	87·7	87·8	88·2	88·3	89·0	88·7	88·8	87·3	87·3	87·5	87·4	86·2	85·4	85·9	86·4	85·8	86·8	86·0	85·6	85·2	84·7	84·5	84·2	84·9	86·7
Mean	83·4	83·2	83·0	83·1	83·6	84·1	84·6	85·0	85·3	85·3	85·7	85·9	86·1	86·1	86·0	86·1	85·7	85·4	85·2	84·9	84·4	84·0	83·9	83·7	84·7
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

90. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres — JULY, 1935

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	84·9	84·7	84·8	84·9	84·6	84·4	84·3	84·7	85·0	84·8	85·0	84·9	85·0	85·8	87·0	86·7	86·8	86·4	86·0	86·1	85·8	85·9	85·8	85·4	85·4
2	85·2	85·1	85·7	86·1	85·7	85·9	86·1	86·9	88·0	89·9	91·0	92·5	92·3	92·2	88·5	87·4	87·3	88·4	89·7	89·0	88·5	88·5	88·3	87·5	88·1
3	86·9	85·8	84·6	85·0	85·2	86·8	87·6	88·1	88·6	89·0	89·6	89·4	89·9	91·3	91·5	89·9	87·0	86·0	85·8	85·3	85·3	85·7	86·9	87·1	87·5
4	87·4	87·0	87·1	87·0	87·0	89·9	90·6	90·6	90·8	90·6	91·6	92·8	92·2	92·1	92·2	91·8	91·7	91·0	90·2	89·4	88·8	88·4	88·1	87·8	89·8
5	87·7	87·5	87·1	87·0	87·0	87·4	86·9	87·9	89·0	89·4	89·0	88·8	89·4	87·9	88·9	88·8	87·5	86·4	86·0	85·9	85·7	85·6	85·1	85·0	87·4
6	85·1	85·0	84·7	84·8	84·9	85·1	85·9	83·8	84·4	84·8	85·9	86·4	86·9	87·7	88·2	88·3	88·8	86·8	86·0	86·3	84·8	84·0	83·7	83·4	85·7
7	83·4	82·6	81·6	80·7	82·0	84·3	87·0	87·4	88·5	89·5	90·0	90·0	90·4	90·3	90·0	89·9	90·3	89·6	89·4	88·7	88·3	87·9	87·8	87·6	87·3
8	87·3	86·6	86·0	85·8	86·8	88·0	89·6	91·7	92·0	92·4	92·9	93·7	93·8	92·8	92·9	91·9	91·6	91·4	90·6	89·0	88·0	87·6	87·0	86·5	89·9
9	86·3	85·8	85·4	85·0	85·5	86·9	88·1	89·8	90·1	92·2	91·5	91·9	92·5	91·9	92·9	92·2	91·2	90·4	89·3	88·1	88·0	87·8	87·4	86·3	89·0
10	87·2	86·9	87·7	87·0	88·1	89·6	91·0	90·5	89·7	90·1	91·3	92·3	93·0	92·9	91·3	88·6	88·0	87·5	87·4	87·5	86·3	86·0	85·8	86·1	88·8
11	86·1	86·1	86·1	85·7	85·6	86·5	87·3	88·0	88·4	89·3	89·6	89·3	89·2	89·1	88·9	89·2	89·4	89·2	88·5	87·7	87·2	86·7	86·3	86·1	87·7
12	86·3	85·7	85·3	84·9	85·9	86·8	87·1	87·3	87·6	88·0	88·6	89·0	89·0	89·2	89·2	89·3	88·9	88·7	88·2	87·6	87·7	87·6	87·1	87·1	87·6
13	87·2	86·9	86·6	86·6	86·7	87·1	88·1	91·4	91·2	92·2	94·4	94·4	93·9	94·0	93·0	93·4	93·7	95·0	96·8	95·2	92·0	90·6	89·4	89·6	91·2
14	88·5	88·2	86·8	86·1	85·5	85·5	85·6	85·7	86·1	86·1	86·3	86·3	86·4	87·6	87·1	87·1	87·8	88·0	88·3	86·4	86·1	85·0	84·0	83·0	86·5
15	83·0	83·9	84·9	84·9	85·1	86·3	87·1	87·1	89·0	88·5	88·6	90·0	89·0	90·0	91·0	92·0	91·4	90·9	89·9	89·3	88·5	87·9	87·0	86·3	87·9
16	85·3	84·3	85·3	85·1	85·6	87·0	87·6	89·5	91·3	91·3	91·9	92·2	90·4	89·8	89·9	90·2	89·6	88·0	87·4	87·6	87·4	87·0	85·9	84·9	88·1
17	85·0	85·0	85·3	84·9	85·1	85·8	86·4	87·5	88·3	88·4	87·1	87·6	87·1	86·8	87·4	87·1	87·6	86·2	87·3	86·0	85·2	84·6	84·3	83·3	86·3
18	82·8	82·2	81·3	81·2	82·1	84·6	86·9	87·1	88·0	88·9	86·4	86·6	86·0	87·0	86·8	85·6	86·4	85·2	85·6	85·6	84·5	83·5	83·0	82·9	85·0
19	81·6	80·9	80·1	79·9	81·6	84·1	85·3	86·1	86·9	88·0	88·0	88·0	87·9	88·5	88·5	87·9	87·3	87·2	86·6	86·3	86·2	86·1	85·6	84·6	85·5
20	85·7	85·2	85·8	85·5	85·9	85·6	86·8	87·0	87·2	87·4	86·9	87·6	87·0	87·6	86·8	86·6	86·3	86·0	84·9	84·9	84·1	83·9	84·5	84·4	86·0
21	84·0	83·9	83·8	84·0	84·6	85·2	86·0	86·5	87·0	87·4	88·0	88·1	88·0	88·9	88·5	88·4	88·4	88·7	87·3	86·2	84·6	83·2	82·8	81·9	86·1
22	81·5	81·4	80·2	79·9	80·8	83·7	86·0	86·6	86·0	86·9	87·2	89·4	90·7	91·3	91·5	95·2	96·4	95·9	95·1	94·1	92·0	91·0	90·0	89·8	88·3
23	89·3	88·3	87·9	88·2	88·7	89·4	90·3	90·5	93·2	93·4	95·4	97·3	95·8	96·6	95·8	96·5	96·3	92·4	89·1	89·2	87·7	87·9	87·5	86·2	91·4
24	85·7	84·9	84·9	84·6	85·1	86·2	87·3	88·4	89·8	90·2	90·6	91·0	91·0	90·9	91·0	90·9	90·4	89·1	88·3	87·9	86·9	85·9	84·7	85·6	88·0
25	86·7	86·6	86·2	85·7	85·8	86·7	88·0	88·6	90·8	90·8	92·0	93·0	93·7	93·6	92·4	89·7	90·6	90·5	89·8	89·3	88·7	87·9	87·0	85·6	89·2
26	85·4	84·9	84·3	83·9	84·6	84·6	86·1	86·9	87·0	87·8	88·4	88·1	88·5	88·4	88·8	87·2	86·9	87·1	87·3	87·8	88·7	88·5	88·5	88·7	86·9
27	88·6	88·5	88·4	88·5	88·4	88·6	88·6	89·3	90·0	88·8	89·0	89·7	89·7	89·5	92·3	92·7	94·0	92·2	90·4	89·1	88·2	87·6	87·4	86·6	89·5
28	86·1	86·0	86·2	86·5	86·9	87·8	88·6	88·8	89·0	89·4	89·4	89·0	89·9	89·6	89·6	89·6	89·2	86·2	87·1	86·3	85·2	84·8	84·6	84·4	87·6
29	84·4	83·7	83·5	82·6	83·2	83·8	84·1	85·0	84·8	85·2	85·9	86·8	87·4	85·6	86·9	86·0	85·8	86·2	86·4	85·2	83·7	83·3	83·0	83·4	84·9
30	83·4	83·1	82·9	82·9	82·6	83·2	84·2	84·4	84·9	85·2	85·7	86·4	88·6	88·9	89·3	88·9	88·9	88·8	88·1	87·1	85·0	83·8	82·9	81·8	85·5
31	82·2	82·9	83·5	83·6	83·9	85·1	86·3	87·2	88·8	90·2	91·7	92·3	92·0	91·0	90·7	89·3	89·8	88·8	88·3	88·1	87·8	87·4	86·4	85·9	87·5
Mean	85·5	85·1	85·0	84·8	85·2	86·2	87·1	87·8	88·4	88·9	89·3	89·8	89·9	90·0	90·0	89·6	89·5	88·8	88·4	87·8	87·0	86·5	86·1	85·6	87·6

91. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — AUGUST, 1935

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	84·4	83·5	84·2	83·4	84·3	85·3	87·3	89·5	91·5	91·7	91·8	92·4	92·3	92·4	91·5	91·8	91·1	89·8	89·7	87·3	86·8	86·5	86·2	86·0	88·4
2	85·7	85·6	85·5	85·5	85·3	85·5	86·1	87·1	87·5	88·2	88·0	87·7	87·3	87·4	87·5	87·9	88·3	87·8	86·9	86·3	86·2	86·0	86·1	86·0	86·7
3	85·9	85·6	85·5	85·4	85·1	85·6	87·1	87·2	88·1	87·8	87·6	88·2	88·9	88·6	88·1	88·5	87·9	88·2	88·3	88·3	88·3	88·4	87·8	87·6	87·4
4	87·7	87·8	87·6	87·5	87·3	87·5	88·9	90·1	91·2	92·1	92·6	94·1	93·5	93·2	93·6	91·2	92·1	92·1	90·7	90·4	90·2	90·0	89·6	89·5	90·4
5	89·3	89·2	89·1	89·0	89·0	89·7	90·4	90·2	91·2	91·1	90·4	91·8	91·2	91·8	91·1	90·1	89·2	88·8	88·9	89·2	88·8	88·3	87·5	87·9	89·7
6	88·3	88·4	88·3	87·8	87·5	87·9	88·6	88·9	89·1	89·6	91·3	91·2	91·2	91·3	91·9	92·0	93·0	90·9	90·1	88·9	87·9	87·2	86·3	86·4	89·4
7	86·5	86·7	86·5	85·4	86·2	87·9	89·4	90·9	92·1	93·3	94·0	94·2	94·0	92·2	91·8	91·1	90·8	92·0	90·9	91·1	91·3	91·4	91·8	91·4	90·4
8	91·4	89·6	89·7	89·0	89·5	90·2	90·9	91·4	93·4	94·2	94·0	94·2	93·0	89·4	88·4	87·1	86·9	86·3	86·0	85·9	85·8	85·7	85·8	85·9	89·4
9	85·7	85·6	85·8	85·7	85·8	86·1	86·2	86·9	88·8	89·4	90·1	90·1	90·4	90·6	90·6	90·2	89·1	89·5	89·3	90·0	89·1	89·2	89·0	88·6	88·3
10	88·2	87·5	87·2	87·0	87·1	87·2	87·9	88·3	88·9	89·1	90·1	90·6	90·7	91·2	91·0	91·2	91·8	91·4	91·1	90·7	90·4	90·4	90·1	90·0	89·5
11	89·6	89·4	89·4	90·0	90·5	90·6	90·8	89·0	87·4	86·1	87·8	88·8	89·3	89·2	87·6	87·1	86·8	85·8	85·4	85·2	85·1	85·0	84·6	84·7	87·8
12	84·4	84·1	84·0	82·9	81·9	81·6	83·8	84·8	85·8	86·8	87·2	86·4	85·1	85·9	85·9	86·1	85·6	85·2	84·8	83·8	81·4	82·2	82·0	80·7	84·4
13	81·4	81·2	80·1	79·4	80·1	80·8	83·0	84·3	85·9	87·2	88·0	88·3	89·0	88·7	89·4	90·2	89·8	88·9	88·0	87·0	86·8	86·8	85·9	85·9	85·6
14	85·5	85·3	85·4	85·2	85·4	85·8	86·1	86·7	87·5	88·0	89·0	89·5	89·5	89·2	88·6	89·3	88·5	88·4	87·9	87·2	87·0	86·5	86·3	86·1	87·2
15	86·0	85·5	85·6	85·4	85·5	85·7	86·5	87·4	88·8	88·9	89·3	90·0	89·5	89·5	89·4	88·5	88·2	87·4	86·9	86·0	85·7	85·6	85·5	85·5	87·2
16	85·1	85·4	85·1	83·9	83·3	84·1	85·0	86·5	88·7	88·6	89·2	88·7	88·9	88·7	87·8	88·3	87·8	87·4	87·1	87·0	86·6	86·5	86·4	86·3	86·7
17	86·5	86·3	86·4	86·4	86·6	86·7	87·1	87·1	87·8	88·3	88·0	88·3	88·2	88·1	87·9	87·9	87·9	87·6	87·4	87·2	87·1	87·2	87·2	87·2	87·3
18	87·2	87·2	87·2	87·2	87·0	87·1	87·6	88·3	90·6	90·0	90·5	92·0	93·1	91·9	91·1	91·3	91·4	90·3	89·9	89·6	87·4	87·9	88·0	87·7	89·2
19	87·5	86·9	87·0	86·7	86·8	87·2	88·5	89·8	91·3	90·5	91·3	92·6	92·7	91·2	94·8	94·8	95·6	94·4	92·7	91·9	91·0	90·4	90·1	89·2	90·6
20	89·3	88·6	88·3	88·5	88·9	89·5	89·5	92·0	93·5	93·5	93·9	94·1	93·5	94·9	92·9	93·4	93·4	93·4	91·9	90·5	90·6	90·1	89·5	88·6	91·4
21	88·8	88·7	88·5	88·2	87·7	87·8	88·1	88·5	89·9	90·6	91·0	91·2	91·4	90·7	91·3	91·3	91·5	91·8	90·9	88·2	86·3	85·5	84·5	84·0	89·1
22	83·7	82·5	82·1	82·2	81·9	82·2	83·9	85·9	89·6	89·5	89·9	89·1	88·6	89·4	89·3	89·5	88·5	88·3	87·9	87·6	87·4	87·2	86·6	86·2	86·6
23	85·9	85·8	86·0	86·6	85·9	86·0	86·6	88·8	90·4	89·7	90·7	91·4	90·3	91·8	91·1	91·8	91·1	90·7	90·5	89·9	88·9	88·0	87·9	88·0	88·9
24	87·8	87·6	87·6	87·6	87·6	87·6	87·9	88·7	89·8	90·6	90·3	90·2	90·0	90·0	90·1	89·8	89·2	89·5	89·2	88·8	88·1	87·9	87·5	87·4	88·8
25	87·1	87·0	86·8	86·5	86·4	86·2	86·5	86·9	87·0	87·5	87·7	87·8	87·7	87·6	87·3	87·6	87·7	87·1	86·9	86·5	86·4	86·5	86·0	85·8	87·0
26	86·1	86·5	86·2	85·9	85·6	86·0	86·1	86·0	86·2	87·3	88·6	89·0	89·4	90·4	89·5	88·8	87·0	86·6	86·1	86·0	85·2	85·0	84·9	84·9	86·8
27	84·5	84·3	83·7	83·7	83·5	83·4	83·5	83·8	85·0	84·3	85·2	85·9	86·3	86·1	86·0	85·3	85·3	85·0	84·9	83·9	83·5	82·8	82·4	81·7	84·4
28	81·1	80·9	80·9	81·2	81·1	81·5	82·9	84·2	85·2	85·2	85·5	85·6	85·1	85·0	85·3	85·5	85·1	84·8	84·0	83·5	83·2	83·0	83·0	82·8	83·5
29	82·9	82·8	82·6	83·4	84·0	84·5	85·3	85·2	86·4	86·8	87·0	86·5	86·7	87·0	86·7	86·0	86·3	85·6	85·2	85·0	85·1	84·4	84·3	84·2	85·1
30	84·0	84·3	83·9	83·5	83·4	83·1	82·9	83·4	84·6	84·9	85·3	85·6	86·0	86·6	87·1	86·5	86·7	86·4	86·0	85·9	85·9	85·9	85·9	85·6	85·1
31	85·6	85·5	85·5	85·6	85·6	85·7	85·9	86·4	86·4	86·3	86·6	87·7	88·2	89·0	89·4	89·2	89·5	89·3	88·4	87·9	87·6	87·1	86·3	86·1	87·1
Mean	86·2	86·0	85·9	85·7	85·7	86·0	86·8	87·6	88·7	88·9	89·4	89·8	89·7	89·6	89·5	89·3	89·1	88·7	88·2	87·6	87·1	86·9	86·6	86·4	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, 1935

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	85·8	85·7	85·3	84·9	84·4	83·5	85·5	86·9	88·2	89·3	90·1	90·5	90·2	89·7	89·4	88·0	87·6	87·0	86·8	86·4	86·6	86·9	86·7	86·9	87·0
2	86·7	86·5	86·9	86·8	86·8	86·9	86·8	86·8	87·4	87·5	88·6	88·5	88·5	88·2	87·7	88·8	89·3	88·6	87·7	86·5	86·5	86·4	85·9	85·2	87·3
3	84·9	84·9	83·8	83·3	83·6	84·1	85·3	86·2	87·5	88·3	88·7	90·2	90·5	90·5	90·6	90·6	90·0	89·1	87·5	86·4	85·7	84·9	84·1	83·8	86·9
4	83·4	82·9	82·9	82·6	82·7	82·9	84·2	85·5	86·0	85·6	87·0	88·0	87·9	86·6	86·0	85·9	85·9	85·5	85·5	85·0	84·4	84·5	83·9	83·9	84·9
5	84·0	83·6	83·3	83·2	83·3	83·2	83·3	84·2	84·7	85·1	86·0	85·3	86·0	86·0	86·5	86·2	86·1	85·3	83·6	82·7	81·6	81·9	82·1	81·7	84·2
6	81·7	81·6	81·4	81·6	81·6	81·8	82·7	83·6	84·5	84·3	86·1	86·0	86·4	86·7	86·6	86·5	86·1	84·9	83·6	83·0	82·4	82·7	82·3	81·9	83·7
7	80·4	81·3	80·5	81·0	81·0	81·2	81·7	82·1	83·9	84·8	85·0	85·1	85·4	85·1	85·0	85·0	84·6	84·0	83·2	81·4	81·6	81·7	81·4	81·3	82·8
8	80·9	81·0	81·0	81·1	81·1	81·3	82·4	83·3	83·8	84·0	84·4	84·8	84·9	85·0	84·5	84·4	84·3	84·0	83·0	80·9	79·1	79·0	79·3	79·4	82·4
9	79·7	79·7	79·9	79·9	80·2	80·4	81·1	82·2	83·2	83·6	84·1	84·5	84·6	84·9	85·0	84·7	84·4	84·1	83·3	83·6	83·6	83·5	83·5	83·7	82·7
10	83·6	83·8	84·1	83·6	83·7	82·6	83·7	84·7	85·7	86·1	86·6	87·3	87·3	86·9	86·3	86·3	85·9	85·4	85·3	85·4	85·5	85·4	85·0	85·2	85·2
11	85·2	85·4	85·0	84·9	84·5	84·5	84·9	86·5	87·7	88·5	88·7	88·6	88·8	89·5	89·1	89·5	88·5	88·0	87·6	87·3	87·3	87·1	86·0	86·3	87·0
12	86·1	85·6	84·8	84·5	83·4	83·5	84·5	85·8	86·5	86·5	86·2	86·2	86·5	86·6	87·0	86·9	86·6	86·6	86·6	86·7	86·6	86·6	86·2	86·3	85·9
13	86·1	86·7	86·9	86·6	86·4	86·1	86·2	86·9	87·2	88·2	89·0	89·6	90·3	90·3	90·5	90·1	89·2	88·6	87·8	86·8	86·5	86·4	86·4	86·6	87·7
14	86·4	86·3	86·3	86·3	85·9	85·9	86·1	85·9	86·3	87·4	88·3	88·2	87·7	88·2	88·7	89·2	89·1	88·5	87·5	86·6	86·6	86·1	86·0	85·6	87·1
15	85·3	85·2	84·7	85·2	85·3	85·4	85·5	86·0	86·8	87·0	86·2	86·0	86·0	86·8	86·8	87·8	87·1	86·4	85·9	84·8	84·0	84·1	83·5	83·9	85·7
16	83·5	83·7	84·0	84·1	84·4	84·4	84·8	84·8	85·7	87·1	88·3	89·0	90·2	90·1	89·9	88·7	88·3	87·0	86·3	85·5	85·5	85·5	85·4	85·0	86·3
17	84·3	84·0	84·4	84·9	83·7	84·1	83·9	84·8	86·0	87·9	86·3	85·4	83·5	83·9	84·5	84·8	84·9	84·7	84·8	85·2	84·9	84·2	84·4	84·6	84·8
18	84·5	83·7	83·0	82·6	83·9	83·8	83·1	84·6	86·6	87·7	88·5	88·9	89·0	89·3	89·5	88·2	87·6	86·3	85·5	84·9	84·3	84·3	84·1	84·4	85·8
19	84·4	84·4	84·5	84·6	85·3	86·2	88·0	88·0	88·4	89·4	89·4	89·9	89·5	88·8	88·4	89·1	88·5	87·8	87·2	86·6	86·9	87·1	86·9	86·5	87·3
20	86·5	86·4	86·2	86·1	85·6	85·7	85·6	86·0	86·9	87·7	88·4	86·5	88·6	89·2	88·8	88·5	87·6	87·1	86·2	85·5	85·0	84·8	83·7	84·1	86·6
21	82·5	81·9	82·0	81·8	81·2	81·3	81·8	84·5	85·8	86·5	87·5	88·0	88·0	87·9	87·5	87·3	87·0	86·0	84·9	84·3	83·1	83·0	82·8	82·4	84·6
22	83·3	83·6	83·0	84·1	84·0	83·2	83·6	83·6	83·1	83·0	82·9	82·4	82·4	82·6	82·7	82·6	82·5	82·2	81·7	81·5	81·5	81·5	81·4	81·0	82·7
23	81·5	81·7	81·8	81·7	81·3	82·1	81·6	82·7	84·0	84·5	85·3	85·7	87·0	85·6	85·6	84·6	85·1	83·4	83·4	83·0	82·5	82·5	82·2	81·5	83·3
24	81·6	81·6	81·3	79·9	79·8	78·7	79·2	81·6	82·8	83·6	84·3	84·6	84·6	84·1	84·1	83·9	83·8	83·7	82·2	81·3	79·9	79·2	78·5	78·1	81·8
25	79·3	78·9	79·6	79·9	79·2	79·3	79·9	80·3	81·8	82·6	82·3	84·1	84·4	84·1	83·4	83·6	83·1	82·2	80·7	81·0	79·8	78·8	79·2	79·3	81·1
26	78·3	78·8	77·7	77·4	77·3	77·8	77·4	79·3	81·2	82·6	83·8	83·8	84·0	83·9	83·8	83·8	83·5	83·5	83·5	83·7	83·7	83·7	83·7	83·6	81·6
27	83·7	83·7	83·6	83·0	82·5	82·2	81·7	83·2	85·0	86·7	88·0	89·2	89·4	88·0	88·2	88·6	88·2	86·9	86·0	84·9	84·2	83·6	83·6	84·4	85·3
28	84·1	84·0	84·3	84·4	84·4	84·0	84·1	84·6	85·0	85·1	85·2	84·4	84·0	83·9	83·9	83·8	83·5	82·9	82·5	82·1	82·0	82·0	81·5	81·1	83·7
29	79·3	79·6	79·7	78·6	79·5	79·5	80·8	82·8	83·8	84·6	85·3	86·0	86·5	86·4	86·0	85·7	85·2	85·0	84·9	84·7	84·6	84·8	84·6	84·5	83·4
30	84·3	84·2	84·0	83·8	83·0	81·7	81·9	82·4	82·9	83·6	84·1	84·4	83·7	84·1	84·1	83·5	83·4	82·9	81·8	81·1	80·3	79·9	79·1	78·2	82·7
Mean	83·4	83·3	83·2	83·1	83·0	82·9	83·4	84·3	85·3	86·0	86·5	86·7	86·9	86·8	86·7	86·6	86·2	85·6	84·9	84·3	83·9	83·7	83·4	83·3	84·7

93. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres OCTOBER, 1935

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	78·0	78·7	79·1	78·6	78·3	78·1	79·7	79·2	82·5	84·2	84·8	85·0	85·2	84·6	84·8	84·1	82·4	81·0	80·2	79·6	79·4	79·6	79·1	81·0
2	78·0	77·8	77·3	76·6	75·9	75·5	75·3	77·0	81·2	83·1	83·7	84·4	84·0	84·3	84·5	84·4	84·1	83·9	83·9	83·6	83·8	83·8	83·7	83·7	81·3
3	83·9	84·0	84·1	84·1	84·3	84·4	84·4	84·4	84·6	84·8	84·8	84·7	84·8	84·7	82·8	83·1	83·5	83·2	83·0	83·0	82·7	82·7	82·5	83·1	83·8
4	82·8	83·2	83·3	83·4	83·3	83·2	83·2	83·0	83·7	84·8	85·0	85·6	86·1	85·5	85·5	85·4	84·9	85·0	84·9	84·2	82·7	83·5	83·5	84·2	84·1
5	84·0	83·9	83·8	83·8	83·4	83·3	83·3	83·3	83·3	83·0	83·0	83·1	83·3	83·7	83·6	83·4	83·6	83·1	82·4	82·1	82·5	82·8	82·8	83·3	83·3
6	83·1	83·1	83·1	83·6	83·7	83·7	83·4	83·1	83·4	83·4	83·6	84·0	83·8	84·3	84·3	83·9	83·3	82·4	81·9	81·0	80·6	79·8	79·6	79·8	82·8
7	79·9	79·6	79·3	78·3	78·1	77·7	76·8	78·7	80·2	81·7	82·4	84·0	84·4	84·4	84·9	83·9	83·8	82·8	81·9	81·8	82·2	82·1	82·2	82·4	81·3
8	82·8	83·1	83·1	83·2	83·2	82·8	82·4	82·5	82·4	82·8	83·7	84·4	85·4	85·5	85·4	84·7	83·2	82·0	80·9	80·5	80·3	79·7	79·6	79·2	82·7
9	78·4	78·1	78·6	78·5	78·2	78·2	77·7	79·1	80·1	81·2	82·5	81·6	82·5	82·1	82·5	82·5	81·7	81·2	80·6	80·4	80·6	80·8	80·7	80·7	80·3
10	80·3	78·8	78·2	78·3	77·2	78·5	78·4	78·6	80·3	81·6	82·6	82·5	83·9	84·1	83·9	83·0	82·1	80·9	80·7	80·3	79·9	79·7	79·6	79·4	80·6
11	79·2	78·5	78·1	77·4	78·2	78·0	78·1	79·2	80·5	81·6	82·8	83·7	84·2	83·8	82·5	82·5	81·5	80·6	80·0	79·6	79·4	78·8	78·3	78·4	80·2
12	79·0	77·8	77·4	77·6	78·0	76·6	76·4	78·2	80·4	81·0	81·6	83·3	84·2	85·1	85·2	84·9	84·5	84·1	83·6	83·7	83·4	82·7	82·6	83·0	81·3
13	82·4	82·6	82·8	82·3	82·6	82·7	82·5	82·9	83·9	84·2	84·6	85·4	85·6	85·5	85·1	84·9	84·9	84·9	84·9	84·6	84·3	84·8	84·8	85·5	84·0
14	85·4	85·7	85·8	85·0	83·9	84·4	83·9	84·1	85·4	85·6	86·4	86·5	86·6	86·5	86·6	86·3	85·8	85·3	85·4	85·0	84·7	84·4	84·3	84·6	85·3
15	84·6	84·6	84·7	84·7	85·0	84·5	84·1	83·9	84·0	83·6	83·5	83·8	84·2	84·4	85·0	85·0	85·1	85·5	85·6	85·5	86·3	86·1	87·6	86·0	84·9
16	86·0	85·7	85·0	83·6	82·0	83·7	83·7	83·2	83·8	85·1	85·0	86·0	86·5	86·0	85·4	85·0	83·9	83·2	82·2	81·4	81·2	80·9	80·5	80·5	83·8
17	80·8	80·7	80·8	80·5	80·7	81·7	82·5	83·8	85·0	84·3	84·5	84·2	83·9	84·5	82·8	82·9	81·2	80·3	79·2	79·4	79·0	81·0	79·6	78·7	81·8
18	78·5	78·9	79·0	79·0	79·1	78·7	78·3	78·6	79·7	80·5	81·1	81·6	80·4	81·3	82·1	81·9	83·3	83·6	84·3	85·4	83·6	83·0	81·8	81·0	81·0
19	80·2	80·7	80·8	80·9	81·7	81·8	83·0	82·3	82·4	82·6	81·9	82·4	82·3	82·9	82·3	81·6	81·3	80·5	80·1	79·4	80·1	80·5	79·4	79·9	81·3
20	79·1	79·1	78·8	78·2	77·3	77·0	75·5	76·0	77·1	77·3	76·6	76·8	76·4	77·3	76·3	75·5	75·6	75·4	74·9	74·5	74·4	73·9	74·5	74·3	76·4
21	73·8	74·8	75·3	75·0	75·3	75·6	75·4	76·0	76·6	77·2	77·7	77·1	78·5	76·4	76·9	76·6	75·0	75·4	74·6	74·5	73·7	73·8	73·6	73·4	75·5
22	73·5	73·5	73·4	73·8	73·8	73·8	73·7	73·7	74·7	76·5	78·3	79·3	79·7	79·7	79·6	79·4	78·6	78·5	78·4	78·5	78·0	78·4	77·9	78·6	76·7
23	78·5	78·1	77·9	77·8	78·0	78·7	78·9	79·9	80·6	80·8	81·2	81·5	81·3	81·4	81·3	81·6	82·1	82·3	82·5	82·6	82·7	82·3	81·5	81·2	80·6
24	81·0	81·2	81·5	81·3	81·3	81·0	81·2	81·1	81·2	81·6	81·3	81·5	81·8	82·1	82·0	81·8	81·9	81·8	81·8	81·5	81·5	81·4	81·3	81·3	81·5
25	81·4	81·3	81·4	81·2	80·7	80·8	80·9	81·0	81·3	81·4	81·4	81·2	81·7	81·7	81·8	81·7	81·6	81·5	81·5	81·3	80·5	78·7	77·5	77·5	81·0
26	77·1	77·0	77·0	78·5	78·6	78·9	79·5	79·7	80·0	80·5	81·5	83·8	83·7	84·5	84·8	84·5	83·7	82·7	81·8	80·5	80·5	80·4	80·4	80·0	80·8
27	80·2	79·6	80·0	79·7	79·4	79·5	79·5	79·5	79·5	79·5	79·5	79·7	80·0	80·0	80·0	80·1	79·9	79·8	79·8	79·8	79·9	80·4	80·2	80·0	79·8
28	79·6	79·5	79·4	79·0	79·1	79·1	78·9	78·1	80·0	80·6	81·0	81·5	82·0	81·8	82·0	81·7	81·9	82·2	81·5	81·7	81·5	81·4	81·4	81·5	80·7
29	81·7	81·6	82·2	82·2	84·8	84·6	83·9	83·4	83·1	83·3	82·1	82·4	82·3	80·6	80·7	79·8	78·9	78·4	77·6	78·1	76·7	77·2	77·2	77·4	80·9
30	77·2	77·4	77·6	77·5	77·5	76·3	76·3	77·5	78·8	80·5	81·3	82·2	80·7	80·8	80·9	80·1	79·2	77·7	78·3	78·2	78·0	77·9	77·3	77·0	78·6
31	77·0	76·5	76·6	76·7	76·6	76·9	76·5	76·9	77·7	78·3	78·6	79·6	80·1	80·3	80·0	79·2	79·0	78·8	79·2	78·6	78·8	78·6	78·7	78·9	78·2
Mean	80·3	80·1	80·2	80·0	80·0	80·0	79·9	80·3	81·1	81·8	82·2	82·7	82·9	82·9	82·8	82·5	82·0	81·6	81·2	81·0	80·7	80·7	80·5	80·4	81·1
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

94. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres NOVEMBER, 1935

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

95. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres DECEMBER, 1935

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	74·0	73·6	73·6	73·5	74·1	73·9	74·2	74·4	74·7	75·4	76·2	76·9	77·1	77·0	76·1	75·6	75·4	75·8	75·5	76·0	75·9	76·1	76·0	75·9	75·3
2	76·1	75·6	75·5	75·8	76·0	76·1	75·2	74·4	75·9	77·0	77·6	77·7	77·9	77·9	77·6	77·6	77·9	78·1	78·0	78·1	77·3	77·7	77·9	77·2	76·9
3	77·3	77·3	77·3	77·2	76·7	76·6	76·4	76·8	77·4	77·5	78·1	78·1	78·2	78·1	77·6	76·9	76·9	76·5	76·5	76·5	76·7	76·5	76·4	76·4	77·1
4	76·7	76·6	76·5	76·5	76·3	76·1	76·1	76·1	76·2	76·7	76·7	76·5	77·3	77·3	76·7	75·4	74·3	74·6	73·5	72·9	72·0	72·5	71·8	71·4	75·4
5	71·1	70·9	70·7	70·9	70·6	70·7	72·0	72·4	73·0	74·3	75·6	75·9	76·8	76·2	76·0	75·0	75·4	75·3	74·7	74·3	74·3	74·1	74·5	74·2	73·6
6	73·7	73·7	73·9	73·2	73·1	73·0	72·6	74·3	75·4	75·0	76·2	76·9	77·5	77·6	76·7	76·2	76·0	75·3	74·3	74·0	73·5	73·5	73·5	73·6	74·7
7	73·0	72·4	72·6	72·4	71·9	72·0	72·5	73·0	72·5	72·4	73·5	73·8	74·2	74·2	73·5	73·5	75·1	76·0	76·0	76·2	76·7	77·0	77·3	77·2	74·0
8	76·5	76·4	76·5	74·9	74·9	74·6	73·3	74·0	74·6	75·3	76·3	77·2	77·0	77·1	76·5	75·5	75·0	74·7	74·2	74·4	74·7	74·5	74·4	74·5	75·3
9	74·8	75·8	76·0	76·1	76·1	76·5	76·8	76·5	77·0	77·2	77·5	78·9	79·2	79·3	79·0	78·5	76·6	77·2	76·2	75·6	76·0	76·4	76·2	76·3	76·9
10	77·4	76·1	75·6	75·4	75·5	74·9	74·9	75·0	74·5	74·1	74·5	75·0	75·1	75·6	75·4	75·2	74·9	74·8	74·7	74·4	74·4	74·6	74·6	74·5	75·1
11	74·0	73·8	74·1	72·9	72·8	73·0	77·7	77·9	78·2	78·1	78·4	78·6	78·5	78·5	78·5	78·5	78·5	78·7	78·7	78·6	78·5	78·9	78·8	78·6	77·1
12	78·5	78·3	77·0	76·5	76·5	76·2	76·1	75·9	75·7	75·7	76·2	76·3	76·4	76·4	76·3	76·2	76·0	75·7	75·0	74·3	73·7	73·5	73·2	73·1	75·9
13	72·5	72·1	72·0	71·7	71·6	71·9	72·4	72·5	73·0	73·7	74·2	74·5	74·6	74·9	74·9	75·2	75·1	75·0	75·2	75·2	74·9	74·9	74·9	74·9	73·8
14	74·7	74·5	75·4	75·3	75·6	75·3	75·2	75·3	75·5	75·9	76·6	76·6	76·8	76·9	76·0	76·0	75·8	76·0	76·2	75·9	75·6	76·2	76·3	76·4	75·8
15	76·5	76·6	76·8	77·0	77·4	76·9	77·2	77·4	76·5	77·6	74·3	74·4	75·0	75·4	74·9	74·4	74·6	75·4	74·7	74·5	74·0	73·5	73·6	73·3	75·5
16	72·8	72·6	71·0	71·0	71·6	72·3	72·7	73·2	73·5	73·5	74·1	74·4	74·5	74·4	74·9	75·4	75·4	75·4	75·6	75·8	75·4	77·0	77·6	75·4	74·1
17	74·9	75·1	74·1	74·0	73·6	73·9	74·5	74·6	74·0	74·4	74·5	74·8	75·5	75·5	75·0	74·5	74·4	74·1	74·4	74·6	74·4	74·5	75·0	74·0	74·5
18	73·9	74·1	74·5	74·6	74·7	74·6	74·8	74·7	74·7	75·0	75·4	75·3	75·2	75·3	75·4	74·6	74·5	74·5	74·7	74·8	74·4	74·5	74·6	74·6	74·7
19	74·6	74·5	74·0	73·7	73·5	73·3	73·1	73·3	73·2	73·6	74·6	75·5	75·7	75·5	74·7	74·4	74·7	74·9	75·4	75·5	75·5	75·6	75·7	75·8	74·6
20	75·5	75·6	75·1	75·6	74·9	75·2	74·6	75·0	74·8	74·9	75·9	75·9	75·5	76·0	75·9	75·9	75·5	74·6	74·9	74·7	75·0	75·0	75·1	74·7	75·3
21	74·7	74·6	74·6	74·7	74·6	74·4	74·4	74·3	74·0	75·0	75·2	75·5	75·7	75·4	75·5	75·5	75·3	75·3	74·5	74·0	74·2	74·4	74·4	74·1	74·8
22	73·6	74·1	74·0	74·0	73·9	74·0	74·8	74·3	74·5	73·9	74·5	74·7	75·2	74·5	75·2	74·3	74·1	73·8	73·8	74·3	74·0	74·3	73·9	74·0	74·2
23	73·6	73·6	73·1	72·8	72·9	72·9	72·8	72·6	72·4	72·3	72·6	73·2	73·9	74·1	73·0	72·2	71·5	70·4	70·5	69·4	68·6	68·6	67·2	67·6	71·9
24	67·6	67·0	66·8	66·5	66·8	67·4	67·2	68·0	75·3	76·8	77·1	77·5	77·5	77·5	77·8	78·1	78·3	78·4	78·4	78·4	77·6	77·5	77·9	78·0	73·9
25	78·4	78·5	78·8	79·0	79·1	79·2	79·4	79·4	79·3	79·3	79·3	79·6	79·8	79·8	79·8	79·9	79·7	79·8	80·1	79·9	79·6	79·6	79·5	79·4	79·4
26	79·4	79·6	80·1	80·2	80·3	80·6	80·6	80·7	80·6	80·5	80·3	80·3	80·5	80·4	80·4	80·0	80·0	79·9	79·9	79·9	79·9	79·7	78·8	78·7	80·1
27	79·2	79·2	79·9	80·2	80·4	80·7	80·9	80·3	80·4	80·1	80·3	80·8	80·4	80·6	80·5	80·7	80·7	80·0	80·1	80·0	79·9	79·6	79·0	78·8	80·1
28	78·8	78·7	78·8	79·0	79·1	78·9	78·1	77·9	78·2	78·2	78·0	77·9	77·8	78·2	78·1	76·9	75·6	75·4	74·8	74·2	74·5	74·9	75·7	76·2	77·3
29	76·9	76·8	75·4	74·5	74·9	74·6	74·6	74·3	74·0	74·0	75·0	75·7	76·5	76·5	77·0	76·1	75·4	74·4	74·1	74·0	74·2	75·1	75·1	74·4	75·2
30	78·2	78·4	78·8	79·1	79·2	79·2	79·4	79·5	79·5	79·9	79·7	79·5	79·4	79·1	79·1	78·4	78·1	77·7	76·9	76·1	77·0	77·2	76·8	76·9	78·4
31	76·5	76·8	76·7	76·6	76·7	76·8	77·0	77·1	77·2	77·2	77·9	78·3	78·5	78·8	79·4	79·2	79·5	79·5	79·6	79·3	79·4	79·6	79·7	79·7	78·1
Mean	75·3	75·3	75·1	75·0	75·0	75·0	75·2	75·3	75·7	76·0	76·3	76·7	76·9	76·9	76·7	76·3	76·1	76·0	75·8	75·7	75·5	75·7	75·7	75·5	75·8
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 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 — 1935

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
°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
80·25	80·10	80·00	79·92	79·99	80·20	80·55	81·01	81·61	82·03	82·51	82·85	83·01	83·02	82·88	82·66	82·37	81·98	81·61	81·25	80·93	80·75	80·56	80·40	81·35

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

97. ABERDEEN: North Wall Screen on Tower h_t = 12·5 metres — 1935

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
		°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.	278·01	-0·38	-0·52	-0·57	-0·63	-0·67	-0·59	-0·49	-0·27	0·00	+0·13	+0·41	+0·80	+1·05	+1·09	+0·89	+0·62	+0·38	+0·06	-0·16	-0·30	-0·21	-0·25	-0·24	-0·29
Feb.	277·55	-0·44	-0·41	-0·42	-0·61	-0·75	-0·97	-1·09	-1·16	-0·76	-0·28	+0·46	+1·10	+1·47	+1·58	+1·45	+1·28	+0·71	+0·31	+0·05	-0·10	-0·28	-0·37	-0·34	-0·39
Mar.	279·58	-1·06	-1·10	-1·24	-1·46	-1·45	-1·45	-1·33	-0·79	-0·05	+0·74	+1·41	+1·81	+2·05	+2·06	+1·72	+1·48	+1·03	+0·48	+0·13	-0·17	-0·39	-0·66	-0·90	-0·95
Apr.	279·01	-1·17	-1·27	-1·34	-1·37	-1·45	-1·26	-0·84	-0·27	+0·25	+0·81	+1·23	+1·38	+1·50	+1·57	+1·45	+1·48	+1·24	+1·02	+0·42	-0·15	-0·60	-0·71	-0·86	-1·01
May	280·63	-1·78	-1·92	-1·99	-2·07	-1·84	-1·25	-0·42	+0·29	+0·85	+1·17	+1·72	+1·75	+1·80	+1·73	+1·65	+1·32	+1·24	+0·88	+0·49	0·00	-0·39	-0·71	-1·06	-1·41
June	284·73	-1·29	-1·47	-1·66	-1·54	-1·09	-0·60	-0·13	+0·28	+0·61	+0·54	+1·00	+1·16	+1·36	+1·33	+1·28	+1·31	+0·91	+0·64	+0·41	+0·09	-0·37	-0·77	-0·89	-1·07
July	287·60	-2·10	-2·44	-2·62	-2·80	-2·41	-1·40	-0·47	+0·16	+0·83	+1·31	+1·72	+2·23	+2·29	+2·36	+2·36	+2·01	+1·92	+1·24	+0·81	+0·22	-0·61	-1·11	-1·55	-1·97
Aug.	287·73	-1·50	-1·75	-1·87	-2·06	-2·06	-1·73	-0·95	-0·18	+0·97	+1·21	+1·69	+2·05	+1·98	+1·92	+1·75	+1·60	+1·40	+1·00	+0·46	-0·09	-0·60	-0·81	-1·13	-1·35
Sept.	284·72	-1·46	-1·48	-1·62	-1·73	-1·83	-1·88	-1·39	-0·43	+0·53	+1·22	+1·76	+1·98	+2·15	+2·06	+1·98	+1·87	+1·56	+0·94	+0·24	-0·34	-0·75	-0·87	-1·15	-1·24
Oct.	281·15	-0·88	-1·00	-0·98	-1·11	-1·16	-1·14	-1·29	-0·88	-0·05	+0·62	+1·02	+1·51	+1·73	+1·77	+1·60	+1·30	+0·89	+0·43	+0·08	-0·16	-0·41	-0·50	-0·70	-0·72
Nov.	279·45	-0·78	-1·13	-1·23	-1·03	-0·86	-0·78	-0·67	-0·50	-0·03	+0·40	+0·74	+1·30	+1·45	+1·46	+1·26	+0·91	+0·59	+0·27	+0·09	-0·03	-0·18	-0·32	-0·43	-0·59
Dec.	275·78	-0·36	-0·46	-0·58	-0·73	-0·72	-0·72	-0·53	-0·42	-0·09	+0·18	+0·56	+0·87	+1·09	+1·11	+0·89	+0·51	+0·32	+0·22	+0·01	-0·17	-0·30	-0·14	-0·20	-0·39
Year	281·35	-1·10	-1·25	-1·34	-1·43	-1·36	-1·15	-0·80	-0·35	+0·25	+0·68	+1·14	+1·49	+1·66	+1·67	+1·52	+1·31	+1·02	+0·62	+0·25	-0·10	-0·42	-0·60	-0·79	-0·95

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 — 1935

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	80·6	76·2	86·1	76·6	80·4	78·2	80·5	75·6	82·4	79·3	83·1	79·4	87·0	84·1	92·8	83·4	91·2	83·1	85·5	77·8	81·8	77·5	77·3	73·3
2	85·0	78·8	83·3	72·8	79·2	77·9	79·0	75·0	86·6	78·2	82·2	80·0	92·9	84·9	88·5	85·3	89·6	85·2	84·5	75·2	83·8	76·7	78·3	74·4
3	84·0	79·4	78·2	71·4	78·5	74·9	80·2	73·6	89·7	80·6	80·9	78·6	91·8	84·4	89·4	85·0	91·5	82·7	84·9	82·4	84·4	76·5	78·5	76·3
4	80·3	77·4	78·6	73·4	79·5	74·7	75·6	71·3	88·7	81·2	82·5	80·0	93·0	86·4	94·8	87·2	88·1	82·6	86·2	82·6	83·9	81·1	77·4	71·0
5	77·8	75·5	79·7	74·2	79·8	75·3	77·7	73·3	85·7	79·8	81·1	79·8	89·8	85·0	92·2	87·4	87·0	81·5	84·2	82·1	83·3	74·8	77·0	70·5
6	77·5	75·7	78·2	74·6	82·0	75·0	79·8	73·6	86·0	80·4	85·0	79·8	89·0	83·1	93·7	86·1	87·2	81·4	85·0	79·5	82·2	75·0	77·6	72·4
7	78·7	75·3	78·7	73·3	81·5	75·0	79·5	71·3	84·2	78·3	87·5	82·5	90·7	80·7	94·5	84·6	86·0	80·2	85·2	76·8	81·7	74·5	77·4	71·6
8	77·9	73·9	80·9	73·5	80·6	77·3	78·6	74·1	84·2	76·0	86·1	79·2	94·0	85·3	95·0	85·7	85·2	78·4	86·0	79·2	81·1	75·9	77·3	73·1
9	76·4	73·5	78·6	71·4	78·2	76·3	81·4	74·1	84·9	77·6	86·2	78·2	93·2	84·9	91·0	85·4	85·2	79·4	82·6	77·7	82·6	73·2	79·4	74·4
10	81·9	76·3	80·1	75·9	78·2	76·5	84·3	79·5	84·2	79·8	84·0	81·9	94·7	85·9	91·8	86·9	87·6	82·6	84·5	77·0	82·6	79·2	77·5	73·8
11	81·4	75·7	80·6	73·2	80·3	73·9	84·5	77·5	86·9	79·4	87·2	81·9	89·8	85·1	91·3	84·3	89·6	84·4	84·5	76·7	82·0	75·9	78·9	72·6
12	76·0	73·6	83·1	77·1	79·3	70·6	81·3	74·9	80·4	76·5	89·6	83·0	89·8	84·9	87·3	80·5	87·2	83·4	85·3	76·0	82·4	76·5	78·7	73·1
13	77·5	72·7	81·2	77·7	79·5	77·1	81·0	73·4	78·8	73·9	88·3	82·3	96·8	86·5	90·2	79·4	91·1	85·9	85·7	82·2	79·3	72·8	75·4	71·5
14	83·0	77·5	79·5	74·6	79·6	75·2	80·6	77·5	81·0	74·0	86·8	81·0	89·7	83·0	89·6	85·1	89·3	85·5	86·7	83·5	80·7	72·7	76·9	74·3
15	84·0	79·9	80·2	77·3	80·2	76·7	81·3	78·1	80·1	73·9	88·2	82·4	92·3	82·5	90·3	85·3	87·9	83·4	87·7	83·5	80·4	74·9	77·6	72·8
16	82·5	76·6	79·6	75·7	79·9	74·9	79·8	78·3	78·8	72·8	88·1	79·0	92·4	84·0	89·8	83·1	90·5	83·4	86·8	80·4	81·4	75·4	77·8	70·8
17	79·6	75·9	83·6	76·7	80·5	76·8	80·2	77·4	79·3	72·0	85·3	81·4	89·5	83·3	88·6	86·2	88·1	83·6	85·3	78·7	82·3	73·6	75·8	73·4
18	79·4	77·2	84·9	80·6	81·5	76·5	80·9	76·6	80·6	74·4	85·4	82·5	89·2	81·1	93·1	86·9	89·9	82·4	86·2	78·1	82·5	79·7	75·5	73·9
19	77·2	75·2	85·1	77·9	85·5	80·8	82·2	76·3	82·1	78·1	86·9	82·0	88·9	79·9	95·9	86·6	90·0	84·1	83·2	79·1	82·6	78·9	75·9	73·0
20	79·2	76·3	82·6	79·0	86·9	79·9	80·0	76·4	84·1	79·4	90·9	83·4	88·0	83·8	95·0	88·3	89·3	83·5	79·9	73·9	82·5	81·0	76·2	74·4
21	82·3	77·6	81·7	76·0	86·9	78·7	83·9	79·1	83·8	77·2	94·5	84·8	89·3	81·9	92·5	82·3	88·3	80·8	78·9	73·4	81·5	79·7	75·7	73·7
22	81·8	76·8	81·2	74·9	86·0	79·1	84·0	79·4	84·2	76·0	93·9	84·6	96·5	79·7	90·5	80·9	84·1	81·0	79·8	73·2	80·9	78·4	75·4	73·6
23	83·0	77·7	75·9	71·3	84·3	77·8	83·2	76·5	85·3	79·9	89·1	85·2	97·9	86·2	92·1	85·1	87·2	81·0	82·8	77·6	79·4	72·6	74·1	67·2
24	85·5	78·2	75·9	69·7	85·9	78·5	83·1	74·5	83·1	77·6	89·3	84·9	91·9	83·9	91·0	87·4	84·9	78·1	82·1	80·9	80·8	72·6	78·5	66·5
25	80·2	73·2	75·4	71·8	89·5	80·4	82·0	77·4	84·3	79·6	91·2	85·0	94·0	84·8	87·8	85·8	84·5	78·0	82·0	77·3	80·5	75·5	80·2	77·9
26	76·9	73·2	78·8	68·7	84·9	79·6	82·6	79·8	82·8	80·1	89·2	85·0	89·2	83·8	90·9	84·8	84·1	76·7	85·9	76·5	81·1	76·5	80·7	78·6
27	75·5	72·5	79·0	76·4	83·9	79·3	84·0	79·3	82·8	78·6	91·6	86·6	94·1	86·6	86·5	81·7	89·8	81·3	80·6	79·2	80·8	75·7	80·8	78·7
28	77·4	70·5	80·2	78·0	83·5	77·6	84·3	80·3	81·8	78·0	91·8	84·4	90·5	84·4	85·7	80·6	85·3	81·1	82·3	78·0	84·0	79·1	79·1	73·8
29	79·2	75·5	--	--	79·1	75·9	85·7	80·5	82·0	78·4	92·5	84·4	87·4	82·6	87·1	82·5	86·6	78·4	84·8	76·6	79·6	74·8	77·8	73·1
30	82·3	73·5	--	--	86·1	76·4	82·2	79·4	82·9	78·7	89·2	84·1	89·4	81·4	87·1	82·7	84·6	78·2	82·2	76·2	76·5	74·5	80·0	74·4
31	79·9	75·9	--	--	86·7	79·2	--	--	83·5	78·6	--	--	92·3	81·6	89·5	85·5	--	--	80·4	76·3	--	--	79·8	76·4
Mean	80·1	75·7	80·4	74·8	82·2	77·0	81·4	76·5	83·4	77·7	87·6	82·2	91·5	83·7	90·8	84·6	87·7	81·7	83·9	78·3	81·6	76·2	77·7	73·4

Year 84·0 78·5

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

† See page 23.

RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

99. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — JANUARY, 1935

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

100. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — FEBRUARY, 1935

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

101. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — MARCH, 1935

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	91	93	94	93	94	93	91	86	87	88	88	90	88	87	87	90	87	90	88	88	91	89	93	90	89·9	8·5
2	91	91	91	92	86	82	82	79	77	71	72	71	69	78	80	82	79	80	78	82	81	85	80	83	81·1	7·3
3	82	86	87	86	84	85	83	80	83	87	90	84	83	82	79	81	84	87	92	89	92	96	96	96	86·1	7·4
4	96	91	86	85	84	80	82	80	76	73	68	65	72	74	74	69	71	80	81	80	80	80	74	82	78·7	6·6
5	85	87	83	81	74	78	75	75	72	74	77	57	56	51	86	66	67	67	69	68	64	70	70	72	72·0	5·7
6	70	73	75	82	78	73	69	73	73	74	73	70	68	69	67	79	86	86	84	90	94	90	90	88	77·7	7·1
7	90	91	90	97	95	98	98	98	93	89	88	90	98	98	96	94	93	93	91	91	93	92	92	90	93·2	8·5
8	92	94	94	94	92	87	83	82	78	75	70	69	73	77	73	65	70	74	71	69	67	60	60	62	76·9	7·0
9	63	66	56	56	57	56	65	60	54	56	57	60	57	60	59	62	61	65	60	63	60	62	56	58	59·6	4·9
10	60	65	65	64	64	59	63	62	60	62	62	65	68	69	73	70	67	68	66	71	70	71	73	77	66·0	5·5
11	77	73	76	76	76	78	76	78	78	73	76	76	81	79	81	84	85	91	92	92	91	95	98	98	82·0	7·2
12	98	96	94	93	96	98	100	97	89	91	81	78	79	77	79	77	78	77	78	76	75	76	76	79	85·3	6·4
13	84	86	87	89	87	88	79	76	75	78	76	76	74	73	78	75	79	78	79	79	79	80	80	80	79·8	7·2
14	82	82	82	85	82	84	85	84	86	82	82	74	76	79	79	79	81	91	92	93	90	90	100	86	84·3	7·2
15	73	75	74	80	80	83	84	79	77	76	84	86	81	80	79	83	86	85	86	87	85	84	86	84	81·6	7·4
16	89	95	91	93	93	91	91	89	87	85	79	74	76	78	83	78	82	84	85	86	86	86	86	85	85·5	7·3
17	85	86	87	86	86	89	90	89	86	86	83	81	81	79	82	80	80	84	87	88	87	89	90	89	85·3	7·8
18	90	93	92	92	93	90	92	93	86	78	82	79	82	85	88	90	91	96	93	89	89	91	92	87	88·9	8·6
19	88	88	89	86	88	88	88	88	84	83	79	75	73	79	84	78	80	89	91	83	86	75	72	74	83·1	10·2
20	78	81	79	76	74	78	83	76	68	52	54	51	50	44	46	47	49	52	55	60	61	62	68	73	63·2	7·8
21	73	70	76	79	77	81	77	72	70	68	65	54	58	64	68	69	74	74	74	75	74	78	84	84	72·1	8·6
22	84	84	87	88	88	85	90	84	77	74	67	58	54	67	72	71	73	80	75	79	81	78	81	82	77·5	8·9
23	81	84	85	86	83	74	74	72	67	72	79	80	79	77	59	55	57	62	67	74	71	70	68	65	72·9	7·9
24	67	72	67	71	72	71	74	70	65	58	50	49	48	45	63	58	63	71	69	65	70	87	93	96	66·6	7·6
25	98	96	88	91	89	81	83	86	89	80	85	76	58	57	50	40	46	44	45	52	59	62	62	60	70·6	9·5
26	59	61	64	65	65	66	64	62	59	52	46	44	44	42	45	47	64	54	65	65	66	64	66	69	58·1	6·4
27	67	69	70	70	70	75	74	69	66	62	57	60	60	58	59	61	61	66	73	72	72	77	75	70	67·2	7·3
28	65	62	68	69	71	68	72	70	66	63	61	61	59	56	56	61	68	85	80	82	83	87	94	96	70·4	7·3
29	94	96	92	92	92	87	87	78	62	59	60	61	62	63	64	62	63	66	68	73	80	88	91	90	76·4	6·5
30	92	92	93	93	93	93	92	93	94	92	77	76	75	76	72	81	91	91	89	89	93	93	93	92	88·1	9·7
31	93	94	94	94	89	88	89	86	71	72	61	65	62	70	67	64	57	56	62	61	62	62	62	61	73·2	8·6
Mean	81·8	83·0	82·5	83·4	82·3	81·5	81·8	79·5	76·0	73·7	71·9	69·5	69·2	70·1	71·9	70·9	73·3	76·3	76·9	77·8	78·5	79·6	80·6	80·6	77·2	†7·5
Vapour Pressure*	mb 7·4	mb 7·5	mb 7·4	mb 7·3	mb 7·2	mb 7·2	mb 7·3	mb 7·3	mb 7·4	mb 7·6	mb 7·7	mb 7·6	mb 7·7	mb 7·9	mb 7·9	mb 7·6	mb 7·7	mb 7·7	mb 7·6	mb 7·5	mb 7·4	mb 7·4	mb 7·4	mb 7·4	mb ‡ 7·5	

102. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — APRIL, 1935

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

103. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — MAY, 1935

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	72	73	73	75	74	74	73	69	62	72	70	71	73	71	71	74	79	79	85	85	87	87	90	91	75·9	7·9
2	96	96	96	96	96	93	89	92	84	88	85	81	78	74	74	75	80	81	77	76	74	79	95	88	85·2	10·1
3	91	89	88	90	89	91	87	73	69	65	65	65	64	62	64	61	59	64	62	66	74	75	80	86	74·2	10·6
4	87	92	88	89	91	88	79	75	68	53	50	44	43	40	49	54	58	65	67	64	73	77	77	82	69·0	9·4
5	83	78	83	88	93	92	91	84	86	86	83	79	83	82	74	83	71	85	87	85	74	75	82	82	82·9	10·0
6	86	88	90	90	94	95	91	84	77	73	78	77	74	74	73	66	54	53	58	65	78	78	81	85	77·5	9·6
7	88	91	93	91	85	79	77	76	78	77	73	72	70	71	74	69	70	73	76	73	81	86	88	91	79·1	8·8
8	90	93	97	93	98	97	91	83	74	79	80	81	75	79	84	82	83	86	81	86	86	86	85	87	85·7	9·1
9	90	91	90	87	87	90	88	83	81	84	76	80	82	84	86	88	85	91	100	100	99	98	98	94	88·7	9·7
10	96	99	94	96	98	95	100	98	89	95	89	90	91	89	75	74	79	72	74	83	79	88	91	91	88·6	10·3
11	91	93	96	88	86	84	76	70	66	64	51	45	55	63	72	72	68	68	65	66	72	75	64	63	72·0	8·6
12	81	82	71	73	77	78	72	72	74	70	57	76	51	74	60	75	76	74	80	77	68	71	71	61	71·7	6·4
13	67	65	61	58	63	67	66	72	73	79	73	85	88	99	99	99	98	96	95	94	93	90	88	72	80·6	6·1
14	84	84	80	78	82	80	76	58	58	64	58	60	62	60	59	60	57	61	62	65	71	78	80	89	69·1	6·2
15	89	79	81	78	69	69	66	67	72	90	85	84	86	84	86	90	87	82	77	68	51	53	51	62	75·8	6·2
16	69	64	79	87	83	89	85	63	78	53	55	51	46	69	55	87	92	93	89	82	92	94	92	86	75·9	5·5
17	88	91	87	84	85	82	71	85	91	90	82	83	84	83	86	81	86	86	85	90	86	88	88	85	85·3	6·5
18	95	93	92	95	91	90	74	90	89	85	71	77	67	69	69	69	70	73	76	76	78	78	77	74	80·1	7·1
19	80	77	78	78	78	72	69	72	75	73	75	79	76	76	73	73	75	89	90	90	90	86	80	86	78·5	8·1
20	84	84	83	80	83	84	89	88	83	75	57	81	81	80	84	81	78	83	82	76	81	76	76	75	80·4	8·6
21	76	77	76	80	77	72	65	61	60	65	58	58	72	66	63	61	59	63	63	65	71	75	74	80	68·1	7·1
22	78	85	87	87	86	83	79	76	72	72	73	73	87	86	86	83	88	88	89	91	82	80	86	83	82·4	9·0
23	81	81	86	86	79	70	66	75	80	81	82	74	60	48	50	90	86	89	88	92	98	94	91	94	79·8	9·5
24	94	89	87	84	86	81	78	88	84	88	86	84	83	84	80	82	79	86	86	91	86	86	86	88	85·4	9·1
25	88	90	90	93	91	89	87	86	86	76	76	73	75	80	76	78	76	79	78	75	74	79	79	81	81·6	9·4
26	82	85	85	83	80	79	78	74	73	72	71	74	76	76	74	77	71	76	78	78	81	79	82	83	77·7	8·5
27	86	88	93	91	96	96	98	96	98	94	87	84	88	88	89	92	96	98	100	100	99	100	100	100	93·7	9·8
28	100	100	100	100	100	100	100	100	99	94	93	92	91	92	91	92	93	94	93	93	93	93	91	88	95·3	9·4
29	90	88	90	90	88	87	87	86	83	79	81	77	81	78	78	79	82	85	83	86	86	85	85	83	84·1	8·5
30	83	84	85	86	86	84	83	82	83	81	78	74	73	76	79	79	76	79	80	80	85	88	91	93	81·8	8·8
31	91	91	88	84	83	78	70	70	67	69	68	68	71	66	69	76	70	72	76	74	71	70	71	73	74·6	8·2
Mean	85·7	85·8	86·0	85·7	85·6	84·1	80·7	79·0	77·8	77·0	73·1	73·9	73·7	74·9	74·3	77·5	76·8	79·5	80·1	80·4	81·1	82·2	82·9	83·1	80·0	†8·5
Vapour Pressure*	mb 7·9	mb 7·9	mb 7·8	mb 7·8	mb 7·9	mb 8·1	mb 8·2	mb 8·4	mb 8·6	mb 8·7	mb 8·6	mb 8·7	mb 8·7	mb 8·8	mb 8·7	mb 8·9	mb 8·7	mb 8·8	mb 8·7	mb 8·4	mb 8·3	mb 8·2	mb 8·1	mb 7·9	mb ‡ 8·4	

104. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — JUNE, 1935

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

105. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — JULY, 1935

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	100	97	97	98	99	99	100	98	100	98	98	99	99	95	96	92	94	96	90	91	89	89	91	96·2	13·9
2	94	94	91	89	94	96	96	96	92	79	75	68	71	70	86	91	88	93	86	87	91	92	76	78	86·6	14·9
3	76	69	75	68	70	59	56	54	53	59	56	65	60	60	59	59	79	88	91	90	94	92	90	90	71·1	11·7
4	87	90	86	88	90	63	58	55	54	53	52	51	51	55	54	50	51	52	58	61	63	66	66	65	63·8	12·2
5	60	62	66	67	67	66	73	69	56	54	62	61	59	77	66	64	77	85	85	81	80	78	79	78	69·4	11·4
6	78	82	84	76	74	72	72	92	91	87	81	73	71	71	67	65	66	73	77	73	78	76	80	87	76·7	11·3
7	85	89	91	90	87	84	78	74	69	69	64	66	67	63	71	70	69	69	69	66	65	65	69	69	73·6	12·0
8	74	81	85	86	82	83	80	72	71	70	65	66	65	64	62	65	64	64	66	71	66	62	65	70	70·8	13·6
9	72	80	86	90	90	86	82	78	79	70	72	70	68	64	65	61	63	70	76	80	81	82	85	87	76·2	13·9
10	82	80	72	77	73	71	74	81	86	81	78	76	75	74	88	91	93	94	93	94	96	94	93	94	83·6	15·0
11	94	95	95	94	93	86	77	76	78	75	74	80	80	81	80	76	73	72	78	83	87	89	90	93	83·3	13·9
12	90	81	93	91	89	84	83	83	82	83	77	79	80	77	77	80	81	82	86	91	91	90	95	96	85·0	14·1
13	96	97	99	98	97	96	93	81	82	79	77	63	74	66	72	70	70	67	42	36	69	73	81	84	77·8	16·3
14	88	90	93	94	94	94	91	89	88	83	87	86	80	74	79	67	68	58	53	67	71	83	85	87	81·1	12·6
15	87	89	85	74	74	78	79	83	78	80	82	76	78	79	69	62	66	60	53	58	63	69	73	75	74·0	12·5
16	74	79	74	82	78	76	74	73	67	71	65	61	86	80	80	82	82	89	91	90	90	78	78	76	78·1	13·4
17	75	69	67	72	68	65	68	63	62	65	70	83	88	85	83	86	77	86	81	93	90	95	92	92	77·7	11·9
18	91	92	93	89	89	80	69	66	62	60	75	71	80	77	76	83	82	88	82	86	87	94	88	87	81·2	11·4
19	88	90	93	91	91	84	78	71	68	65	61	58	63	62	65	69	74	75	82	88	88	86	87	92	77·8	11·3
20	95	98	98	98	97	95	87	84	82	80	77	72	74	69	72	70	71	70	75	73	75	75	76	72	81·0	12·1
21	69	68	71	71	71	68	67	66	61	59	62	63	61	51	54	58	57	57	64	72	79	84	87	89	66·7	10·1
22	91	91	91	96	96	85	77	68	76	79	78	77	72	73	76	66	56	60	69	62	71	74	80	80	77·0	13·4
23	84	88	88	86	88	85	84	83	72	62	67	50	62	54	59	57	56	74	84	89	92	90	93	85	76·2	16·1
24	76	73	71	70	79	68	65	66	58	54	54	56	52	52	57	58	50	60	66	70	79	82	86	81	66·0	11·3
25	69	70	74	75	75	70	68	67	61	57	54	43	45	45	47	67	62	62	68	71	76	81	88	88	65·8	12·1
26	87	85	84	81	75	74	65	61	58	55	59	64	59	59	59	71	75	80	83	83	82	85	88	88	73·3	11·6
27	93	93	93	92	92	91	89	85	79	90	91	91	94	95	63	59	49	51	53	59	60	60	58	62	77·3	14·5
28	64	67	65	64	65	62	62	63	67	61	59	60	67	69	59	61	61	81	70	74	76	71	68	70	65·9	11·0
29	71	80	82	92	83	77	74	64	73	73	65	58	58	71	66	70	66	65	62	66	74	75	78	80	71·6	10·0
30	81	84	86	84	86	81	75	73	69	65	66	65	55	53	50	55	55	61	62	67	69	79	82	86	70·3	10·2
31	87	88	88	90	89	85	76	76	69	63	58	56	51	53	56	57	59	60	63	65	66	70	75	76	70·0	11·6
Mean	82·5	83·7	84·4	84·3	83·7	79·5	76·4	74·6	72·3	70·4	69·7	67·9	69·2	68·5	68·1	68·9	68·8	72·3	73·0	75·4	78·7	80·0	81·3	82·2	75·7	†12·6
Vapour Pressure*	mb 11·9	mb 11·6	mb 11·8	mb 11·6	mb 11·9	mb 12·0	mb 12·3	mb 12·5	mb 12·7	mb 12·7	mb 12·9	mb 13·0	mb 13·3	mb 13·2	mb 13·2	mb 13·0	mb 12·9	mb 13·0	mb 12·8	mb 12·7	mb 12·6	mb 12·4	mb 12·2	mb 12·0	mb ‡12·6	

106. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — AUGUST, 1935

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

107. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres SEPTEMBER, 1935

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

108. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres OCTOBER, 1935

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

109. ABERDEEN: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres — NOVEMBER, 1935

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

110. ABERDEEN: North Wall Screen on Tower: h_t = 12·5 metres — DECEMBER, 1935

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	Vapour* Pressure
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb
1	92	89	84	78	75	75	72	73	71	61	61	65	65	64	68	70	75	79	77	71	71	73	74	74	73·5	5·3
2	73	79	75	74	73	76	87	98	85	75	70	68	67	69	73	71	69	66	64	63	74	73	70	80	73·7	6·0
3	77	79	76	74	77	78	80	75	74	79	77	77	77	77	78	80	80	82	83	83	82	83	85	83	78·9	6·5
4	78	78	80	80	82	81	79	76	75	73	69	69	62	62	67	75	76	71	80	79	84	80	85	88	76·1	5·5
5	88	92	92	92	94	94	92	90	89	78	63	71	70	70	69	75	74	75	80	82	82	85	85	85	82·0	5·2
6	89	87	87	89	89	89	94	85	80	84	80	77	79	79	80	83	85	82	89	90	90	92	90	89	85·7	5·9
7	90	92	94	90	92	92	90	89	90	86	83	83	80	82	87	87	89	91	91	92	93	93	90	89	89·0	5·8
8	95	95	93	95	95	94	94	90	89	84	83	80	80	84	87	87	91	90	92	91	94	93	93	94	90·0	6·5
9	95	98	96	96	98	100	98	100	92	90	92	87	87	87	82	83	92	90	90	94	91	90	90	90	92·1	7·4
10	84	88	89	87	87	91	90	91	91	92	91	91	91	91	93	93	93	96	96	94	96	96	96	96	91·7	6·5
11	96	98	96	98	98	98	71	70	74	66	68	65	68	70	70	68	72	71	71	73	77	75	78	82	78·3	6·4
12	85	87	92	95	97	97	98	96	98	98	98	97	98	97	95	95	93	94	96	94	96	92	92	92	94·5	7·1
13	92	94	95	95	95	91	92	94	92	87	80	83	89	86	86	87	89	91	89	89	91	93	93	93	90·2	5·8
14	94	96	93	93	89	85	87	80	80	76	73	77	75	77	87	91	93	90	87	90	93	88	87	87	86·3	6·4
15	87	90	88	90	89	93	90	92	93	89	92	94	91	84	77	83	85	77	85	87	89	90	90	94	88·1	6·4
16	98	97	94	90	86	90	86	87	89	90	94	93	93	94	95	93	93	89	89	86	91	84	76	91	90·4	6·0
17	91	89	100	96	92	90	89	93	94	93	94	95	91	91	91	94	93	94	93	87	91	89	89	89	92·0	6·3
18	89	92	91	93	93	93	95	93	94	93	93	93	94	91	89	91	91	91	90	91	93	93	93	94	92·1	6·4
19	91	91	90	92	90	87	89	85	87	84	84	85	87	89	93	93	88	91	91	89	89	87	87	88	88·7	6·1
20	93	89	93	93	95	93	93	91	93	95	91	93	91	90	91	90	91	98	95	94	94	94	93	93	92·6	6·7
21	91	89	89	88	85	85	85	85	85	73	72	70	69	72	70	70	72	70	76	77	78	74	74	75	78·5	5·5
22	80	79	81	81	84	83	80	87	82	89	85	88	84	91	84	92	92	94	94	89	89	85	92	85	86·0	5·7
23	80	73	73	73	71	73	73	74	74	73	72	69	66	64	67	70	72	74	76	81	84	82	87	85	74·4	4·2
24	83	87	87	86	87	85	87	91	63	70	74	66	60	66	68	68	69	68	65	68	78	87	87	89	76·5	5·0
25	89	93	94	93	93	94	93	94	98	98	99	98	98	98	99	99	99	99	99	93	93	94	96	96	95·6	9·2
26	94	96	96	94	96	96	94	93	93	93	94	93	90	91	89	94	94	94	94	96	98	98	94	93	94·1	9·5
27	94	96	94	94	91	90	88	91	89	94	93	90	94	93	96	94	98	100	99	100	99	98	97	91	94·3	9·5
28	88	91	88	85	86	86	89	92	90	89	89	89	89	86	86	92	91	91	95	96	93	93	87	90	89·6	7·4
29	85	82	85	93	86	89	89	92	90	89	87	87	87	88	82	87	89	89	98	92	96	98	98	100	89·7	6·4
30	90	89	88	87	88	94	96	96	99	99	96	94	94	96	94	96	95	96	95	100	98	98	100	100	94·9	8·5
31	100	100	100	98	100	100	100	98	100	98	100	100	100	100	100	97	98	99	100	96	99	100	100	98	99·3	8·7
Mean	88·7	89·5	89·5	89·1	88·8	89·1	88·4	88·4	86·9	85·1	83·8	83·5	82·8	83·2	83·6	85·4	86·4	86·5	87·7	87·3	89·2	88·7	88·6	89·5	87·1	†6·6
Vapour Pressure*	mb 6·4	mb 6·4	mb 6·4	mb 6·3	mb 6·3	mb 6·3	mb 6·3	mb 6·4	mb 6·4	mb 6·4	mb 6·5	mb 6·6	mb 6·7	mb 6·7	mb 6·7	mb 6·6	mb 6·6	mb 6·6	mb 6·6	mb 6·5	mb 6·5	mb 6·6	mb 6·6	mb 6·5	‡ 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 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 1935

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	% 84·3	% 84·4	% 84·3	% 83·7	% 82·8	% 81·3	% 79·3	% 77·7	% 76·2	% 75·2	% 74·7	% 74·9	% 75·2	% 76·1	% 77·1	% 78·9	% 80·0	% 81·1	% 82·3	% 82·8	% 83·3	% 83·6	% 80·3
Vapour Pressure in millibars*	mb. 8·6	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·9	mb. 8·9	mb. 9·1	mb. 9·1	mb. 9·2	mb. 9·2	mb. 9·2	mb. 9·1	mb. 9·1	mb. 9·0	mb. 8·9	mb. 8·9	mb. 8·8	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·3

*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 1935

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.	79·9	-0·3	+0·8	+0·9	0·0	+0·9	+0·4	+1·8	+1·1	+0·3	+0·3	-0·3	-2·7	-2·7	-2·6	-1·9	-0·2	+0·5	+1·1	+1·4	+1·3	+0·9	-0·4	-0·3	-0·3
Feb.	76·8	+2·1	+1·2	-0·8	-0·5	+0·2	+1·5	+2·2	+1·8	+0·9	-0·4	-2·9	-4·5	-5·5	-4·5	-4·7	-3·6	-0·5	+1·8	+2·2	+2·8	+3·2	+2·9	+2·8	+2·4
Mar.	77·2	+4·2	+5·3	+4·9	+5·8	+4·8	+4·1	+4·3	+2·2	-1·4	-3·6	-5·3	-7·7	-8·0	-7·0	-5·2	-6·1	-3·7	-0·6	0·0	+0·9	+1·6	+2·8	+3·9	+3·9
Apr.	82·6	+5·7	+4·8	+4·7	+4·6	+4·7	+4·1	+4·0	+2·0	+0·5	-2·0	-4·5	-4·5	-5·7	-7·0	-5·9	-6·1	-5·8	-5·6	-2·5	+0·1	+2·9	+3·2	+3·9	+4·6
May	80·0	+5·6	+5·8	+6·0	+5·7	+5·6	+4·1	+0·6	-1·1	-2·2	-3·1	-6·9	-6·1	-6·3	-5·1	-5·8	-2·5	-3·2	-0·6	0·0	+0·4	+1·0	+2·1	+2·9	+3·1
June	84·0	+3·8	+4·3	+5·2	+5·7	+4·2	+2·7	+0·8	-0·6	-1·5	-1·2	-2·9	-4·0	-4·8	-3·9	-4·5	-5·1	-4·2	-2·7	-1·5	+0·1	+1·4	+3·0	+2·6	+3·2
July	75·7	+6·5	+7·7	+8·5	+8·3	+7·8	+3·6	+0·5	-1·2	-3·5	-5·4	-6·0	-7·7	-6·4	-7·1	-7·4	-6·6	-6·7	-3·2	-2·4	-0·1	+3·3	+4·6	+6·0	+6·9
Aug.	79·3	+6·5	+7·2	+7·0	+7·3	+7·1	+5·9	+3·3	+0·8	-4·9	-5·5	-7·0	-8·1	-7·9	-7·9	-7·5	-7·1	-6·2	-3·5	-1·5	+1·3	+3·8	+4·8	+6·0	+6·2
Sept.	78·3	+5·8	+5·2	+6·0	+6·5	+6·3	+7·5	+5·6	+2·0	-1·3	-5·2	-7·0	-7·3	-9·0	-8·1	-7·3	-7·1	-5·6	-2·3	-0·7	+1·5	+2·9	+2·8	+4·3	+4·5
Oct.	79·1	+2·9	+2·8	+1·3	+2·3	+2·0	+2·0	+3·6	+2·2	+0·6	-1·5	-2·1	-3·9	-4·6	-5·5	-4·8	-2·9	-2·0	-0·6	+0·7	+1·4	+1·1	+1·2	+1·7	+2·0
Nov.	83·8	+1·7	+1·8	+1·6	+1·1	+1·9	+2·2	+1·8	+0·9	+1·0	-1·0	-0·9	-1·5	-2·6	-2·6	-2·9	-1·4	-1·0	-0·3	-0·7	-0·5	0·0	+0·5	+0·8	+0·2
Dec.	87·1	+1·8	+2·6	+2·5	+2·1	+1·8	+2·1	+1·4	+1·4	-0·2	-1·9	-3·3	-3·6	-4·3	-3·9	-3·5	-1·7	-0·7	-0·6	+0·6	+0·1	+2·1	+1·5	+1·5	+2·2
Year	80·3	+3·9	+4·1	+4·0	+4·1	+3·9	+3·3	+2·5	+1·0	-1·0	-2·6	-4·1	-5·1	-5·6	-5·5	-5·1	-4·2	-3·3	-1·4	-0·4	+0·8	+2·0	+2·4	+3·0	+3·2

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

113. ABERDEEN: H_r = 24·1 metres + 0·6 metres 1935

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 37·0	mm 36·4	mm 38·6	mm 28·9	mm 37·7	mm 30·0	mm 36·7	mm 32·8	mm 32·4	mm 33·3	mm 37·7	mm 42·1	mm 42·1	mm 29·1	mm 30·0	mm 42·3	mm 44·4	mm 46·3	mm 43·6	mm 36·4	mm 42·9	mm 37·0	mm 45·3	mm 40·8	mm 903·8
Duration	hr 28·9	hr 28·2	hr 24·0	hr 27·0	hr 26·2	hr 24·6	hr 32·3	hr 30·8	hr 30·4	hr 28·8	hr 35·0	hr 33·3	hr 28·0	hr 23·0	hr 20·9	hr 25·8	hr 30·8	hr 36·0	hr 33·9	hr 30·3	hr 33·3	hr 29·6	hr 33·6	hr 31·3	hr 706·0

NOTES ON RAINFALL

114. ABERDEEN 1935

Notable Falls of the Year. The only heavy fall of rain was 55 mm. on June 5th -6th ; of this, 51 mm. fell on the 5th. Falls exceeding 25 mm. occurred as follows:-26 mm.on April 16th , followed by a further 9 mm. on the 17th ; 29 mm. on September 17th of which amount 17 mm. fell in 4 hrs.; 31 mm. in 12 hrs. on the 3rd and 4th October; 25 mm. on November 17th followed by a further 11 mm. on the 18th.

Falls of 5 mm. were recorded in 6 mins. on July 17th , in 9 mins.on August 8th, in 15 mins. on September 2nd and in 18 mins. on June 16th. The shortest durations of falls of 10 mm. were 1hr 6 mins. on July 17th , 1hr. 18mins. on September 17th and in 1hr. 38mins. on August 8th.

Dry Periods. (Periods of 7 days or over with no rainfall or with trifling amounts.)

Jan. 17 - 23	No rain for 7 days.
Mar. 6 - 17	" " " 12 "
May 1 - 11	" " " 11 "
May 20 - June 2	" " " 14 "
July 30 - Aug. 7	" " " 9 "

There were no periods of "absolute drought" or of "partial drought" though the period of May 20 - June 2 approximates closely to the former.

Wet Periods. There was one "rain spell" - from Mar. 28 - Apl. 11, but no "wet spell" was recorded.

Rate of Rainfall. (Jardi Recorder) The highest instantaneous rate of rainfall was 125 mm./hr. at 12h. 5m. on July 17th. On this same day rates exceeding 70 mm./hr were recorded on two other occasions during the very heavy showers which yielded in all 17 mm. of rain. Maxima exceeding 50 mm./hr. were recorded on August 8th , September 2nd ,September 25th , October 30th and November 10th.

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, 1935

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	0·5	2·0	...
2	·4	1·1	·7	·5	1·3	·7	·5	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·4	7·5	3
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·1	3
4	...	...	...	...	(...)	·9†	(...)	...	...	1·0	...	...	...	...	·1	·1	...	...	(...)	(...)	...	...	...	...	2·1	1·0	15
5	...	(...)	·4	...	...	...	...	·6†	(...)	·2	(...)	...	...	·2	...	...	...	...	...	·5	(...)	·1	·1†	...	2·1	1·9	5
6	...	·2	·4	·3	(...)	·1	(...)	·1	...	·1	·1	·3	·4	·3†	...	·3	...	...	...	(...)	...	·8	·1	·3	3·8	3·2	11
7	...	·1	...	...	...	...	...	...	·2	(...)	1·5	·4	1·0	1·0†	(...)	(...)	·3	·4	(...)	·2	(...)	·3	·4	...	5·8	4·0	20
8	...	...	...	...	·2	1·6†	·4	(...)	(...)	(...)	·5	·5	(...)	·2	·2	...	...	...	...	...	...	...	...	...	3·6	2·5	13
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	·3	·2	·3	(...)	·2	·3	·4	(...)	...	...	...	...	(...)	...	...	...	...	...	1·7	3·6	...
12	...	...	...	...	...	...	...	...	...	(*)	...	(*)	...	...	...	...	...	...	...	...	...	(*)	·1	(*)	·	0·2	...
13	·1	·2	(*)	...	...	(*)	(*)	...	(*)	...	...	...	...	(*)	·2	·1	·1	·2	·1	·1	·2	(...)	(...)	·1	1·4	6·8	...
14	·2	(...)	...	...	·4	...	...	...	...	...	...	·4	...	...	·3	...	(...)	(...)	·1	...	...	...	...	...	1·4	2·6	4
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	·2	(...)	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4	...
25	·5†	·3	...	...	...	(*)	(*)	(*)	(*)	·1	·1	(*)	(*)	...	...	...	(*)	(*)	(*)	1·1	2·2	2·6	·8	·5	8·2	4·6	7
26	·2	·5	1·0	·1	·5	·2	·3	·9	·2	·1	...	·2	·2	(*)	...	(*)	(*)	(*)	·3	·1	·3	(*)	(*)	(*)	5·1	5·3	4
27	(*)	...	(*)	...	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	·3	(*)	(*)	(*)	...	...	...	...	...	...	...	0·3	0·3	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	(...)	(...)	(...)	·1	·1	·1	(...)	...	0·6	2·3	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	1·4	2·4	2·5	0·9	2·6	3·5	1·5	2·1	0·7	1·5	2·7	2·1	2·0	2·0	0·8	0·8	0·4	0·7	0·5	2·1	2·8	3·9	1·6	1·3	42·8	48·3	
Total Duration	hr 2·9	hr 2·0	hr 2·6	hr 1·4	hr 2·5	hr 2·0	hr 2·3.	hr 2·5	hr 1·3	hr 1·1	hr 2·6	hr 2·6	hr 1·3	hr 1·4	hr 1·2	hr 1·9	hr 1·5	hr 1·5	hr 1·4	hr 3·1	hr 2·9	hr 2·5	hr 2·4	hr 1·9	hr 48·8		

† 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, 1935

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	·1	·3	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·6	1
2	...	...	...	...	...	(...)	·2	·2	·3†	·1	...	...	·8	...	(*)	...	·2	·3	(*)	(*)	·8	...	...	...	3·2	2·9	6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	0·3	0·8	4
6	...	...	...	...	·1	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	·1	0·1	0·2	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	0·3	0·3	...
11	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	...	...	...	...	...	...	(...)	...	...	1·0	1·3	1
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	1·9	1·8	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	1·1†	6·0	4·5	5
14	·1	...	...	...	...	...	...	...	...	2·5	·7	·1	·7	·3	·1	...	...	...	...	...	...	...	...	...	4·5	3·3	4
15	...	...	...	...	...	...	...	·1	·2	·4	...	...	...	...	...	...	1·4	·8	·3	·1	...	...	...	...	3·3	5·4	3
16	...	·2	(...)	...	...	...	...	·2	·6	·4	·5	·5	·5	·5	·6	·4	2·1†	·3	...	...	...	...	...	...	6·8	9·9	5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	·9	3·2†	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	4·5	2·3	25
20	...	·2	·2	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	...	...	...	...	·1†	·1	...	...	...	...	...	...	...	0·6	1·0	7
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	·8†	(...)	(...)	·2	(...)	·1	1·1	2·0	5
23	·2	·5	(...)	(...)	...	...	(*)	...	(*)	...	(*)	...	...	·1	(*)	...	(*)	...	...	...	...	...	...	...	0·3	1·7	3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(*)	...	(*)	...	...	0·1	0·4	...
25	...	...	...	...	...	...	...	...	...	...	...	·2	...	(*)	...	...	(*)	(*)	·1	(*)	(*)	...	(*)	...	0·3	0·4	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	1·4	1·3	1·0	1·5	·6	(...)	(...)	(...)	6·3	6·4	...
28	(...)	...	...	...	...	...	...	3·1†	·3	(...)	·1	·7	(...)	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...	4·2	2·2	25
Sum	0·3	1·0	2·3	1·8	0·9	0·1	1·1	4·6	5·2	3·7	1·4	1·5	2·1	1·7	0·9	0·9	5·2	2·7	2·3	1·6	1·4	0·3	0·4	1·4	44·8	47·8	
Total Duration	hr 0·7	hr 1·5	hr 1·7	hr 1·0	hr 1·2	hr 0·2	hr 1·1	hr 2·9	hr 4·5	hr 4·2	hr 2·5	hr 2·0	hr 2·1	hr 2·7	hr 1·6	hr 1·5	hr 3·3	hr 3·7	hr 3·3	hr 1·2	hr 1·1	hr 0·5	hr 0·4	hr 2·7	hr 47·8		
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)

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

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

MARCH, 1935

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	·5	1·8†	·2	2·7	2·7	8
2	·8	1·4	·2	1·6†	2·4	·1	·3	·7	(...)	...	...	...	...	...	(...)	(...)	·1	(...)	(...)	(...)	·4	·1	·5	·7	9·1	9·2	5
3	(...)	(...)	·3	·3	(...)	·1	·1	(...)	(...)	·5	1·6	1·5	·2	(...)	(...)	·3	·2	1·3	1·2	·6	2·6	2·2†	·4	(...)	13·4	12·3	11
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4†	·2	...	...	...	...	...	...	...	...	·6	·4	7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	·7	·5	·4	·1	·2	(...)	...	...	2·2	5·1	2
19	...	·6	·1	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·5	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	(...)	·3	(...)	...	...	...	0·4	0·4	2
23	...	...	...	...	...	...	...	...	...	...	·2	(...)	...	...	...	...	...	...	(...)	...	...	...	...	...	0·2	0·1	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	2·5	2·5	5·5	2·3	4
25	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4	2
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	(...)	·2	·1	0·3	1·5	...
29	·4	·2	·9	·9	·8	·4	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	·6	·6	5·4	9·3	4
30	·1	·4	·8	1·2	·1	(...)	(...)	·2	·1	...	...	...	...	...	...	...	·7	·9	·5	·4	·4	1·5	1·6	1·4	10·3	13·5	4
31	·6	·6	(...)	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	(...)	...	(...)	1·2	2·0	...
Sum	1·9	3·2	2·3	4·0	3·3	0·6	0·5	1·0	0·1	0·5	1·8	1·5	0·2	...	0·4	0·8	1·8	2·8	2·1	1·4	3·7	5·2	7·6	5·5	52·2	60·7	
Total Duration	hr 4·4	hr 5·0	hr 3·8	hr 3·1	hr 2·7	hr 1·8	hr 1·4	hr 1·6	hr 0·4	hr 0·8	hr 1·1	hr 1·0	hr 0·3	hr ...	hr 0·3	hr 2·0	hr 3·1	hr 2·9	hr 2·7	hr 3·2	hr 3·5	hr 3·8	hr 6·7	hr 5·1	hr 60·7		

† 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, 1935

Day	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		
	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	·8†	(...)	·1	1·1	·1	...	(...)	...	...	(△)	·4	(△)	·5	(△)	·8	4·0	2·6	22
2	(...)	...	...	·1	...	...	...	·3†	·3	·2	·1	(✱)	(✱)	(...)	...	...	...	...	...	...	...	...	...	...	1·0	2·3	5
3	·2	(✱)	·4	·2	(✱)	(✱)	(✱)	...	...	·2	(△)	...	...	...	...	·5	(...)	(...)	·2	·6†	·5	·1	(...)	·5	3·4	5·1	7
4	·1	(✱)	...	...	...	...	·4	·2	·1	·2	(✱)	·5†	...	·6	(...)	·1	·3	·7	2·4	(...)	1·6	·4	1·3	1·0	9·9	7·3	6
5	1·1	·1	(...)	·4	·2	(...)	(...)	...	...	...	...	...	...	...	·7†	·2	...	...	...	...	...	...	...	...	2·7	2·6	6
6	...	...	...	·8	·2	...	...	(...)	(...)	...	(...)	·1†	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·7	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	0·4	0·5	...
8	·5	·5	·6	2·0†	2·3	1·2	1·2	(...)	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·6	6·7	6
9	...	...	...	...	...	(...)	·8	1·2	1·4	1·3	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	4·9	4·2	2
10	...	...	·1	·8	3·0	3·0†	1·0	(...)	(...)	(...)	·5	1·6	·8	·1	...	...	...	...	...	...	...	...	...	...	10·9	7·0	14
11	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	·1	·9†	·9	·3	(...)	(...)	·1	(...)	...	...	...	2·3	1·8	16
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	0·3	0·2	4
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	(...)	(...)	...	...	...	...	...	0·3	0·4	2
16	...	...	...	·5	1·2	1·1	1·6†	2·0	1·8	1·4	·5	1·2	·8	1·4	2·5	1·4	2·3	1·1	1·3	1·2	1·2	1·7	(...)	...	26·2	18·4	9
17	...	...	...	...	...	...	(...)	·7	·7	1·7	1·3	1·3	1·4	·7	...	...	...	...	...	...	·9†	·2	...	...	8·9	7·1	21
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	(...)	·5	1·0	·3	·1	(...)	(...)	(...)	(...)	(...)	·2	·8	(...)	·1	(...)	...	...	3·0	5·0	3
21	1·4†	·4	·2	·7	2·9	4·8	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·4	5·0	14
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·2	·5	0·7	2·0	...
23	·4	·6	·2	·5	·9	1·0	1·0	(...)	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	4·7	6·3	2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	·2	0·2	0·3	1
29	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	0·1	0·2	...
30	...	...	...	...	...	...	...	...	(...)	(...)	(...)	·3	(...)	(...)	...	...	...	...	...	...	...	...	...	...	0·3	0·6	...
Sum	3·7	1·6	1·5	6·0	10·7	11·1	6·9	4·5	5·7	6·6	2·9	5·2	4·1	3·1	4·1	3·1	3·2	2·0	4·7	2·3	4·6	2·9	1·5	3·3	105·3	86·3	
Total Duration	hr 3·8	hr 3·0	hr 2·8	hr 6·0	hr 5·5	hr 4·6	hr 4·9	hr 4·0	hr 5·8	hr 5·0	hr 4·8	hr 4·5	hr 3·8	hr 3·7	hr 1·7	hr 2·6	hr 1·8	hr 2·0	hr 4·0	hr 1·9	hr 3·1	hr 2·1	hr 1·6	hr 3·3	hr 86·3		
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	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, 1935

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	...	...	...	...	...	...	(...)	·1	(△)	...	...	(△)	...	(△)	...	(...)	(...)	·1	·2†	·1	...	...	(...)	...	0·5	0·4	12
13	...	...	...	...	...	...	...	...	(...)	·1	(...)	·4	1·4	2·4	2·5	2·4	1·6	·4	...	...	...	·1	·2	...	11·5	7·3	(3)
14	...	...	...	...	...	·1	(...)	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	3
15	...	...	...	...	...	...	...	...	...	2·0†	1·2	·6	·2	(...)	1·0	·1	·3	·5	·4	(...)	...	...	...	...	6·3	6·9	5
16	...	...	...	...	...	(✱▲)	·2	·2	(✱△)	...	...	...	...	...	...	(✱)	·9	1·1	(✱)	(✱)	(✱)	...	...	...	2·4	2·2	3
17	...	...	...	...	(✱)	·1	·2	(✱)	·8	·9	(...)	·1	1·2†	1·1	·4	·7	·9	·2	·1	1·0	·7	·1	1·1	...	9·6	8·1	19
18	·3	1·1	1·3	1·5	3·0	·9	·1	·4	·3	·4†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·3	5·9	19
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	(...)	·1	...	...	...	0·7	1·0	2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	...	...	...
28	(≡⁝)	(·1)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	0·3	1·2	1·3	1·5	3·0	1·1	0·5	0·7	1·2	3·4	1·2	1·1	2·8	3·5	3·9	3·2	3·7	2·5	1·1	1·1	0·8	0·2	1·3	...	40·6	32·0	
Total Duration	hr 0·2	hr 1·0	hr 0·7	hr 0·5	hr 1·0	hr 1·2	hr 1·1	hr 0·7	hr 2·0	hr 2·2	hr 1·0	hr 2·2	hr 2·4	hr 2·0	hr 2·1	hr 1·7	hr 3·5	hr 3·0	hr 1·1	hr 0·5	hr 0·8	hr 0·4	hr 0·7	hr ...	hr 32.0		

† 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, 1935

Day	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	0-24	Max. Rate
	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	·5	·6	·9	2·8†	·2	(...)	(...)	(...)	(...)	(...)	·1	(...)	(...)	(...)	(...)	(...)	·2	(...)	(...)	...	5·4	5·5	7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	(...)	(...)	(...)	·2	·6	1·7†	2·9	2·7	6
5	(...)	(...)	·6	·5	1·0	2·2	4·8	1·5	1·4†	1·5	2·0	2·2	·7	1·1	1·8	6·5	2·3	3·6	3·5	·5	3·1	3·5	5·0	1·9	51·2	21·0	18
6	1·8	1·2	·2	·7	1·4†	·6	·2	·2	(...)	...	...	...	...	...	...	...	...	·1	(...)	·2	·1	·2	·6	·2	7·7	12·1	5
7	...	...	...	...	...	...	...	...	...	...	...	·6	·5†	(...)	·2	(...)	·8	·2	...	...	...	...	...	...	2·3	2·2	12
8	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	(...)	...	...	...	...	...	...	...	...	0·1	0·2	2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	(...)	(...)	(...)	(...)	...	(...)	(...)	·1	(...)	(...)	·1	·8	1·4	2·8†	1·0	·9	(...)	...	...	7·1	4·9	7
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·2	·2	·6	·1	(...)	...	...	1·1	2·0	3
12	...	...	...	...	...	...	...	...	(...)	·6	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·1	3
13	...	...	...	...	...	...	...	...	...	...	...	...	1·0†	...	...	...	2·0	2·3	1·1	·1	·1	...	...	...	6·6	1·8	21
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	·5	·2	·3	·7	·2	(...)	·6	·4	...	(...)	(...)	...	(...)	...	(...)	...	·8	·4†	...	...	4·1	5·6	9
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	7·9†	(...)	(...)	(...)	(...)	1·2	·4	1·3	·4	11·2	3·4	40
17	(...)	...	...	...	...	...	...	...	...	...	...	...	·1	...	(...)	(...)	...	·1	...	...	...	...	...	...	0·2	0·2	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·5	·2	·2	0·9	2·8	...
20	...	...	...	(...)	·1	(...)	·9	·3	·2	·6	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	2·6	5·8	3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡⁝)	(≡⁝)	(≡⁝)	...	...	...
26	(≡⁝)	(≡⁝)	(≡⁝)	·1	·2	(≡⁝)	(≡⁝)	...	...	...	...	...	...	(...)	·6	·1	·5	(...)	(...)	(...)	...	...	...	...	1·5	3·6	2
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	·1	·2	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·7	(1)
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	(...)	·4	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	2·0	3
Sum	1·9	1·4	1·1	1·5	3·7	3·6	7·1	5·9	2·5	2·8	3·1	3·4	2·4	1·2	2·7	14·6	6·4	8·3	7·6	2·4	6·5	5·2	7·7	4·4	107·4	78·6	
Total Duration	hr 1·2	hr 1·6	hr 1·9	hr 3·3	hr 3·9	hr 3·2	hr 5·0	hr 5·8	hr 3·9	hr 3·0	hr 3·4	hr 2·7	hr 2·0	hr 1·2	hr 2·5	hr 2·5	hr 3·6	hr 3·9	hr 2·8	hr 3·5	hr 5·1	hr 4·4	hr 4·8	hr 3·4	hr 78·6		
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)

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, 1935

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	·3	(...)	...	...	...	...	(...)	·1	·5	·3	...	...	...	...	1·3	2·7	2
2	...	...	...	...	(...)	1·1	·2	(...)	...	...	...	...	...	...	·4	·8	(...)	2·0	(...)	(...)	1·1†	...	...	...	5·6	3·0	35
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	2·1	1·3†	...	...	...	...	4·3	3·3	7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	(...)	...	...	...	...	(...)	·1	(...)	·2	(...)	1·3†	·2	·6	(...)	...	...	...	...	2·4	1·3	27
6	...	...	...	...	...	...	...	·2	·4	·2	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	0·8	1·2	4
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	·7	·7	1·0	1·6†	·6	·1	(...)	...	...	...	4·9	4·8	6
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·2	(...)	0·2	0·3	3
14	...	·6	1·9†	·5	2·6	·1	(...)	·1	(...)	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	6·2	4·9	8
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7†	(...)	(...)	(...)	...	...	...	...	...	...	...	0·8	0·4	7
17	...	...	...	...	...	...	...	...	...	...	1·1	4·0	6·4†	1·2	...	...	...	2·5	...	1·9	...	...	...	...	17·1	2·5	125
18	...	...	...	...	...	...	...	...	...	...	·2	(...)	1·6	1·1	...	1·4†	...	·8	...	·4	·6	...	...	...	6·1	3·0	23
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	...	1·2	3·1†	5·1	2·4	15
20	4·7†	1·9	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	7·0	1·5	30
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7†	·1	·2	·2	...	...	1·2	1·5	18
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	...	...	...	...	...	·3	(...)	0·4	0·8	1
26	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	1·2†	1·9	·7	·6	·4	...	...	...	...	1·1	·7	...	1·1†	1·8	...	...	...	...	...	...	...	...	...	...	9·5	6·8	9
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	...	...	...	...	...	...	0·1	0·1	3
29	...	...	...	·2	·1	...	...	...	...	...	...	...	...	·1	·1	...	·4†	...	...	...	...	...	...	...	0·9	0·8	8
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	5·9	4·4	2·9	1·3	3·1	1·2	0·2	0·3	0·4	1·5	2·6	4·0	9·3	4·9	1·4	3·0	2·9	8·3	4·5	4·3	2·5	0·2	1·7	3·1	73·9	41·3	
Total Duration	hr 1·3	hr 1·9	hr 2·2	hr 2·4	hr 1·4	hr 1·5	hr 0·8	hr 0·3	hr 0·7	hr 1·6	hr 2·1	hr 0·3	hr 2·5	hr 2·3	hr 1·1	hr 1·9	hr 1·7	hr 3·8	hr 3·8	hr 2·9	hr 1·5	hr 0·6	hr 1·7	hr 1·0	hr 41·3		

† 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, 1935

Day	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		
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	8·6†	3·5	·3	...	...	...	...	...	13·9	3·2	53
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3†	·6	...	...	...	...	...	...	0·9	0·3	24
10	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
11	...	...	...	...	...	...	(...)	(...)	5·3†	(...)	...	...	...	...	...	...	...	·5	·2	...	·1	...	...	...	6·1	2·1	32
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·3	·1	·5	(...)	...	0·9	1·3	3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·1	1
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	0·2	0·2	2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6†	...	...	...	...	...	...	...	...	...	1·6	0·4	27
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	0·1	0·2	...
25	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
26	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	1·8	3·0	2·8†	2·3	10·2	4·0	5
27	2·7†	·1	(...)	(...)	·1	·2	·2	(...)	(...)	...	(...)	(...)	...	(...)	·1	·2	(...)	(...)	(...)	...	...	...	...	...	3·6	3·3	11
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	·5	2·2	2·6†	2·3	2·8	3·7	14·1	5·3	9
29	1·9†	·4	·2	...	...	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·2	·7	·2	3·6	4·8	6
30	·8	(...)	·1	1·2†	·2	·5	·4	·1	(...)	(...)	·1	·1	·3	(...)	...	...	...	...	...	...	(...)	·1	...	...	3·9	4·5	8
31	·1	·1	·1	(...)	(...)	(...)	(...)	...	...	(·7)†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·7	9
Sum	5·5	0·8	0·4	1·5	0·3	0·7	0·6	0·1	5·6	0·7	0·1	0·1	0·3	...	2·0	1·4	8·9	4·6	1·0	2·5	4·6	6·1	6·3	6·3	60·4	31·0	
Total Duration	hr 2·3	hr 1·8	hr 0·8	hr 1·4	hr 0·5	hr 1·3	hr 1·7	hr 0·3	hr 1·3	hr 0·4	hr 0·4	hr 0·3	hr 0·3	hr ...	hr 0·8	hr 0·8	hr 1·1	hr 1·6	hr 1·1	hr 1·2	hr 2·1	hr 3·7	hr 3·1	hr 2·7	hr 31·0		
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 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, 1935

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	(...)	0·4	1·1	1
2	·7	5·9	2·8†	·3	·2	(...)	7·8	1·7	·2	...	...	...	...	...	...	...	...	...	(...)	·9	·8	·4	·4	...	22·1	8·2	77
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	·3	...	...	...	·2	·8	·3	·2	...	...	...	...	...	...	...	1·8	2·5	3
5	·6	...	...	...	...	...	...	...	...	...	...	...	...	·3†	...	...	...	...	...	...	...	...	...	...	0·3	0·5	8
6	...	...	...	...	...	...	...	...	...	·1	·1	...	...	(...)	...	...	...	(...)	...	...	...	...	...	...	0·2	0·2	...
7	...	...	...	...	...	...	...	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	·1	·5	·3	(...)	...	...	...	...	1·0	2·0	4
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	(...)	(...)	(...)	(...)	·1	·8	·3	...	...	...	...	...	...	...	(...)	·3	...	...	...	1·5	2·7	4
13	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	0·3	0·3	2
14	...	...	...	·2	...	...	...	3·0†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	1·0	37
15	...	...	...	...	...	...	...	...	..	...	·1	·2	·2	...	...	...	...	...	...	...	...	...	...	...	0·5	2·2	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	2·0	5·1	7·8†	2·1	3·3	·1	(...)	...	...	...	(...)	2·7	4·8	·8	(...)	...	...	...	...	·1	...	...	...	...	28·8	7·9	29
18	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	(...)	(...)	1·7	1·7	1·0	3
19	1·0	1·5	1·1	1·4†	·2	·1	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	5·3	4·9	10
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	·9†	·4	·5	1·5	2·9	1·5	1·2	3·1	·9	·2	(...)	·1	(...)	(...)	·3	·1	·2	(...)	...	...	13·8	11·0	22
23	...	...	...	...	...	(...)	·2	(...)	...	...	...	...	...	(...)	...	(...)	...	·7†	...	...	...	...	...	...	0·9	0·7	12
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	·4	·2	(...)	(...)	...	...	·1	2·1†	...	(...)	...	...	...	...	...	(...)	·2	(...)	...	...	...	3·0	2·0	63
26	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	1·0	2·5	5·1†	2·9	·8	·1	·2	12·6	5·9	12
27	·2	·6†	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	0·8	1·4	5
28	...	...	...	...	...	...	...	...	(...)	·1	·4	2·5†	1·6	1·1	·9	·4	·2	(...)	(...)	...	...	...	...	...	7·2	6·9	9
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	(...)	(...)	0·1	0·6	...
30	·5	·3	·1	(...)	...	...	...	...	...	...	...	...	·3	·1	·1	(...)	...	...	...	...	...	...	...	...	1·4	2·4	3
Sum	5·0	13·4	11·8	4·7	4·8	0·6	8·5	6·3	3·2	2·2	4·7	8·8	7·8	2·7	1·8	0·9	0·5	2·3	3·2	6·5	4·2	1·3	0·6	1·9	107·7	65·5	
Total Duration	hr 4·1	hr 4·0	hr 2·9	hr 3·6	hr 2·7	hr 0·8	hr 1·7	hr 2·9	hr 1·3	hr 2·2	hr 3·7	hr 4·3	hr 4·0	hr 3·1	hr 2·1	hr 2·5	hr 1·5	hr 2·8	hr 2·5	hr 3·6	hr 3·7	hr 2·6	hr 1·4	hr 1·5	hr 65·5		

† 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, 1935

Day	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
	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	0·2	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	(...)	...	...	...	...	·1	...	·9	3·1†	·4	1·1	1·9	·9	·6	1·3	1·4	3·0	14·7	10·0	35
4	2·9	1·8	6·2	·8	...	...	1·5	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	2·2†	·1	·6	·1	16·4	5·7	40
5	...	...	...	...	·6†	...	...	·1	·2	·3	·6	·1	·1	...	...	...	...	...	...	...	...	...	...	...	2·0	3·8	7
6	...	...	...	·5	1·2	·1	·6	·5	·1	·1	·1	...	·2†	...	...	...	...	...	...	...	...	...	...	...	3·4	4·3	8
7	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	0·6	0·6	3
8	...	...	...	...	...	1·4	·7	...	·1	...	...	...	...	...	...	·5†	...	...	...	...	...	...	...	...	2·7	2·5	13
9	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	·1	0·1	0·1	1
10	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	·3	·7	·8	·5	·9	1·9†	1·0	·1	...	...	...	...	...	...	...	...	...	...	...	6·0	6·6	5
16	...	...	...	(...)	...	...	...	·2†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3	6
17	...	...	...	...	...	...	...	...	...	1·2	...	...	...	...	...	...	...	...	...	...	...	...	1·7†	...	2·9	1·0	19
18	...	...	...	...	...	...	...	...	...	...	...	...	·8	...	...	...	·1	(...)	·3	...	·6†	·1	...	...	1·9	1·5	17
19	...	...	...	...	...	(...)	...	(...)	(...)	·4	·9	1·6	·2	...	·1	·9†	·9	·8	1·8	1·4	1·1	·1	·6	·3	11·1	6·9	20
20	...	·3†	...	...	...	...	(...)	(...)	...	(...)	·4	·6	·2	·4	·1	...	...	...	...	·3	...	...	...	...	2·3	1·8	11
21	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	·9	·2	·8†	...	...	...	...	...	2·1	1·4	8
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	0·1	0·3	...
24	·3	·3	·1	(...)	...	·3	·4	·2	·2	...	·1	·2	·1	...	...	...	...	·3	...	...	...	...	·1	·2	2·8	10·0	4
25	·1	·2	...	...	...	·1	·5	·1	(...)	(...)	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	1·0	3·2	2
26	...	...	...	...	...	...	·6	·1	...	...	...	...	...	...	...	·5†	...	...	...	...	...	...	...	...	1·2	1·1	20
27	...	...	...	...	...	...	...	...	·2	·2	·1	·3	·4	·4	·8	·8	·7	·5†	1·4	·1	...	...	...	...	5·9	10·9	5
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	·3†	...	...	·2	...	...	...	...	...	...	...	...	...	...	0·5	0·9	5
30	...	...	...	...	...	...	...	...	...	...	...	...	1·4†	...	...	...	...	...	...	...	...	...	...	...	1·4	0·2	65
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	3·5	2·6	6·3	1·5	1·8	2·3	5·0	2·0	1·4	3·1	4·4	3·8	3·6	1·0	1·9	5·8	3·0	2·9	6·2	2·7	4·5	1·6	5·0	3·8	79·7	73·5	
Total Duration	hr 2·5	hr 2·6	hr 1·4	hr 1·6	hr 1·4	hr 3·5	hr 5·7	hr 4·6	hr 3·8	hr 3·9	hr 5·4	hr 4·6	hr 3·6	hr 1·3	hr 2·1	hr 2·8	hr 3·0	hr 3·4	hr 3·6	hr 3·0	hr 2·3	hr 1·5	hr 3·2	hr 2·7	hr 73·5		
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)

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, 1935

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	·2	...	...	...	...	...	...	...	...	...	0·3	0·5	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·2	...	(...)	...	...	...	...	...	...	...	0·2	0·3	3
4	...	...	·5	(...)	...	...	(...)	·2	·4	·1	·7†	·9	1·0	2·1	1·5	·1	·5	1·6	·5	1·2	1·3	1·3	1·3	·9	16·1	14·3	10
5	...	...	...	...	...	...	...	(·1)	(≡⁝)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6†	0·8	0·6	19
6	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	3
7	...	...	...	...	...	...	·1	·2	·1	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	0·4	0·8	1
8	...	...	...	...	...	·8	...	...	·1	...	·7†	...	(...)	...	...	...	...	...	...	...	...	...	...	...	1·6	0·7	17
9	...	...	...	...	...	...	·4	...	1·0	...	...	1·1	...	...	...	...	·3	...	1·8†	1·8	·4	·1	3·1	2·7	12·7	5·8	17
10	·3	...	...	...	...	...	...	...	·5	2·0	...	...	·1	·1	...	...	...	(...)	·2	·1	1·2	1·8†	1·2	·1	7·6	3·5	62
11	...	...	...	...	...	1·0†	·1	(≡⁝)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·5	12
12	...	...	...	...	·7	·4	·7	1·1†	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	4·4	5
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	·1	...	...	...	...	·8	3·9†	·6	·2	...	...	...	...	...	...	...	...	...	...	...	5·6	2·2	11
15	...	...	...	...	...	...	...	...	·1	1·2	2·1	1·2†	·3	...	...	...	...	...	·2	...	...	...	...	...	5·1	3·8	7
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	1·3	2·2	2·7†	2·1	2·8	2·8	2·9	1·5	·5	...	·4	1·8	2·1	2·3	25·4	12·1	26
18	1·5	2·3	2·0	1·1	·1	...	...	...	(...)	1·0	·9	·3	·3	·2	·3	·3	...	...	...	...	·3†	·1	...	·7	11·4	9·7	15
19	1·0	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	1·1	0·5	...
20	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	0·4	0·5	9
21	·2	·1	...	...	...	·2	·1	...	·5	·1	...	...	(·1)	·1	...	...	...	...	1·0	·7†	·1	...	...	·5	3·7	2·8	41
22	...	...	...	...	...	...	...	...	...	·2	...	·3	...	...	...	...	...	·2	·3	·1	·3	...	1·7†	·6	3·7	2·6	16
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	1·0	1·1	2·2	1·9	·7†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·9	3·9	14
29	...	...	...	...	...	...	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·3	0·5	8
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Sum	4·0	3·5	4·7	3·2	1·6	2·4	1·4	1·6	3·4	5·5	9·8	6·6	4·7	4·7	5·2	3·2	3·7	3·4	4·5	3·9	4·0	5·1	9·5	8·5	108·1	70·1	
Total Duration	hr 2·6	hr 2·2	hr 2·3	hr 2·1	hr 1·6	hr 1·8	hr 2·0	hr 2·1	hr 3·2	hr 3·6	hr 4·6	hr 4·7	hr 3·3	hr 2·9	hr 3·0	hr 1·9	hr 1·5	hr 2·2	hr 3·5	hr 2·3	hr 3·5	hr 3·0	hr 4·7	hr 5·5	hr 70·1		

† 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, 1935

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	1·5†	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	2·6	2·3	6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·2	...	...	...	1·0	1·0	...
8	·6	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·7	...
9	...	·1	·1	...	...	...	·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·4	0·5	6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	·1	(⌴)	...	...	...	...	...	...	...	...	0·1	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	·3	·3	(...)	·1	(...)	...	(...)	·2	·2	·2	...	...	...	...	...	...	...	...	...	...	...	1·3	4·3	·1
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	0·3	0·8	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	·4	·1	...	(...)	·1	...	...	1·2	3·2	...
15	...	...	...	...	...	1·3†	·4	...	...	(*)	1·1	0·5	(*)	...	...	...	...	...	...	...	...	...	...	·1	3·4	3·5	5
16	2·0	·1	...	...	...	...	·3	·1	(*)	(*)	·7	·1	...	·4	·2	·6	·5	·2	·2	...	·1	·8	...	...	6·3	6·2	4
17	...	...	·1	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·1	...
18	...	...	...	...	...	·5†	·6	·5	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	(⌴)	·1	1·8	1·2	5
19	(⌴)	(⌴)	...	...	...	...	...	(⌴)	·1	(≡)	...	...	...	...	...	...	...	...	(...)	·1	...	...	·2	...	0·4	0·3	1
20	·6	(...)	1·2	·7	1·4	·1	·1	·6†	·6	·6	...	1·5	·4	·2	1·5	...	·1	1·5	·3	·9	1·2	1·0	·6	...	15·1	8·2	9
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	·1	·3	·4	(*)	(*)	(*)	...	(*)	·8	·1	·6	·3	·7	·8	·5	...	...	·3	...	4·9	6·6	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	...	...	...
24	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·6	·6	·8	2·4	3·6	...
25	·3	·1	...	...	...	...	...	...	·5	...	·8	1·6	2·2	2·8	3·0	1·6	·7	(...)	...	...	...	...	...	...	13·6	8·1	(3)
26	...	...	...	...	...	·3	·2	...	...	...	...	...	...	...	...	1·2	1·9	2·0	2·7	1·9	·8	1·3	...	...	12·3	7·1	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	...	...	...
30	·1	...	...	...	...	·4	1·1	·6	1·3	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·7	3·9	4
31	...	...	...	...	·2	·1	(≡⁝)	...	...	...	...	...	...	...	...	·3	·9	1·0	1·8	1·4	·6	1·0	·1	...	7·4	6·8	4
Sum	3·6	0·9	1·5	1·0	1·9	2·8	3·4	3·7	3·0	1·8	3·0	4·0	2·8	4·3	4·9	4·6	4·7	5·8	5·9	5·6	3·3	5·0	2·0	1·4	80·9	70·4	
Total Duration	hr 2·9	hr 1·6	hr 0·9	hr 0·6	hr 1·8	hr 2·7	hr 4·6	hr 3·1	hr 2·2	hr 0·8	hr 3·4	hr 4·1	hr 2·4	hr 2·4	hr 2·2	hr 3·7	hr 5·2	hr 5·2	hr 4·1	hr 3·9	hr 3·7	hr 4·5	hr 2·9	hr 1·5	hr 70·4		
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	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, 1935

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	·9	·5	...	...	...	--	--	--	--	--	1·5	22
2	--	--	--	--	--	...	...	...	...	...	·2	·1	...	--	--	--	--	--	0·3	4
3	--	--	--	--	--	...	...	...	...	...	...	·4	...	--	--	--	--	--	0·4	6
4	--	--	--	--	--	...	...	·1	·1	...	·1	...	...	--	--	--	--	--	0·3	4
5	--	--	--	--	--	...	...	...	·1	·1	·1	...	...	--	--	--	--	--	0·3	4
6	--	--	--	--	--	...	·1	·3	·3	·1	...	...	...	--	--	--	--	--	0·8	12
7	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
8	--	--	--	--	--	...	...	...	...	...	...	·1	...	--	--	--	--	--	0·1	1
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
11	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1
12	--	--	--	--	--	...	·5	1·0	·9	1·0	·8	1·0	...	--	--	--	--	--	5·2	73
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
14	--	--	--	--	--	...	...	·1	...	·1	...	...	...	--	--	--	--	--	0·2	3
15	--	--	--	--	--	...	·5	·8	·3	·1	·1	·2	...	--	--	--	--	--	2·0	27
16	--	--	--	--	--	...	...	...	·1	·1	·5	·8	...	--	--	--	--	--	1·5	21
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
21	--	--	--	--	--	...	·1	...	·2	·8	1·0	·4	...	--	--	--	--	--	2·5	33
22	--	--	--	--	--	...	...	...	...	...	...	·3	·1	--	--	--	--	--	0·4	5
23	--	--	--	--	--	...	·1	...	·3	·9	·3	...	...	--	--	--	--	--	1·6	21
24	--	--	--	--	--	...	...	·8	·8	...	...	...	...	--	--	--	--	--	1·6	21
25	--	--	--	--	--	·1	·6	1·0	·9	1·0	·6	·9	·5	--	--	--	--	--	5·6	71
26	--	--	--	--	--	...	·1	·2	·3	·4	·5	·1	...	--	--	--	--	--	1·6	20
27	--	--	--	--	--	·3	·9	·6	·9	1·0	·3	·7	·1	--	--	--	--	--	4·8	60
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
29	--	--	--	--	...	...	·2	...	...	·5	...	...	...	...	--	--	--	--	0·7	9
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
31	--	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	--	--	--	6·0	72
Sum	--	--	--	--	...	·7	4·1	6·0	7·1	7·6	5·6	5·7	·7	...	--	--	--	--	37·5	--
Mean	--	--	--	--	...	·02	·13	·19	·23	·25	·18	·18	·02	...	--	--	--	--	1·21	16

128. ABERDEEN: h_s = 20·7 metres — FEBRUARY, 1935

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	·1	...	·3	...	...	--	--	--	--	1·2	14
2	--	--	--	--	...	...	·9	1·0	·6	·2	·2	·3	·2	...	--	--	--	--	3·4	40
3	--	--	--	--	...	...	...	...	...	...	·2	·5	...	...	--	--	--	--	0·7	8
4	--	--	--	--	...	...	·3	·9	·6	·5	...	...	...	...	--	--	--	--	2·3	27
5	--	--	--	--	...	·5	1·0	1·0	1·0	1·0	·8	...	·2	...	--	--	--	--	5·5	64
6	--	--	--	--	...	·1	...	·1	...	·5	·3	·3	...	...	--	--	--	--	1·3	15
7	--	--	--	--	...	·1	·3	...	·3	...	...	...	...	...	--	--	--	--	0·7	8
8	--	--	--	--	...	...	...	...	·7	·9	1·0	·6	·4	...	--	--	--	--	3·6	41
9	--	--	--	--	...	...	·4	1·0	1·0	1·0	·4	...	...	...	--	--	--	--	3·8	43
10	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
12	--	--	--	--	...	·4	·8	·3	·1	...	...	·1	·1	...	--	--	--	--	1·8	20
13	--	--	--	--	...	·3	...	·1	·6	·8	·1	·1	·4	...	--	--	--	--	2·4	26
14	--	--	--	--	...	...	...	·3	·5	·7	·6	1·0	...	...	--	--	--	--	3·1	33
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
17	--	--	--	--	...	...	...	·1	·7	·8	·7	·5	...	...	--	--	--	--	2·8	29
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
19	--	--	--	--	...	...	...	...	·6	·7	1·0	·5	·7	·2	--	--	--	--	3·7	38
20	--	--	--	--	...	...	...	...	...	...	...	·2	·1	·3	--	--	--	--	0·6	6
21	--	--	--	--	·1	·3	...	...	...	...	...	...	·2	·5	--	--	--	--	1·1	11
22	--	--	--	--	·1	1·0	1·0	·9	·9	·9	·5	...	...	...	--	--	--	--	5·3	53
23	--	--	--	--	...	·4	1·0	1·0	1·0	·9	·9	·4	·9	·1	--	--	--	--	6·6	66
24	--	--	--	--	·6	1·0	·5	·6	·6	·5	...	...	...	...	...	--	--	--	3·8	38
25	--	--	--	...	·1	1·0	·8	·9	·8	1·0	·7	·5	·9	·2	...	--	--	--	6·9	68
26	--	--	--	...	·5	·5	...	...	...	·5	...	...	...	...	...	--	--	--	1·5	15
27	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
28	--	--	--	...	...	...	...	...	...	·4	...	·3	·3	...	...	--	--	--	1·0	10
Sum	--	--	--	...	1·4	5·6	7·0	8·2	10·9	11·4	7·4	5·6	4·4	1·3	...	--	--	--	63·2	--
Mean	--	--	--	...	·05	·20	·25	·29	·39	·41	·26	·20	·16	·05	...	--	--	--	2·26	24
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, 1935

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	...	·3	...	...	...	...	...	...	...	--	--	--	1·1	10
2	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
3	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
4	--	--	--	...	·1	·8	1·0	1·0	·9	·5	1·0	·9	1·0	·3	...	--	--	--	7·5	70
5	--	--	--	...	...	...	...	·2	·5	...	·9	·6	·1	·7	...	--	--	--	3·0	28
6	--	--	--	...	...	...	·1	...	...	...	·2	·3	...	...	...	--	--	--	0·6	5
7	--	--	--	...	...	1·0	1·0	1·0	1·0	...	...	·1	·1	...	...	--	--	--	4·2	38
8	--	--	--	...	...	...	·6	1·0	1·0	1·0	·3	...	...	...	...	--	--	--	3·9	35
9	--	--	--	...	...	·6	·4	·3	·3	·1	...	...	...	...	...	--	--	--	1·7	15
10	--	--	--	...	·1	·3	·6	·9	·5	·5	·9	·9	·6	·2	...	--	--	--	5·5	49
11	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	8·9	79
12	--	--	--	...	...	...	...	·1	·3	·2	·3	·1	...	...	...	--	--	--	1·0	9
13	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
14	--	--	--	...	...	...	...	...	·5	·5	·5	·3	·5	...	...	--	--	--	2·3	20
15	--	--	--	...	...	·1	·2	...	...	·4	...	...	...	...	...	--	--	--	0·7	6
16	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
17	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
18	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
19	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
20	--	--	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·1	...	...	--	--	--	7·8	65
21	--	--	...	...	·2	1·0	1·0	·5	·6	·8	·3	...	...	...	...	...	--	--	4·4	36
22	--	--	...	...	...	...	·1	1·0	1·0	1·0	1·0	·5	·6	·4	...	...	--	--	5·6	46
23	--	--	...	·4	1·0	·7	·5	·3	·5	·2	·6	·8	·5	...	...	...	--	--	5·5	45
24	--	--	...	·7	1·0	1·0	·9	1·0	1·0	1·0	·7	·7	·2	...	...	...	--	--	8·2	66
25	--	--	...	...	...	...	·5	·2	·9	·7	·4	·9	·3	·3	·5	...	--	--	4·7	38
26	--	--	...	·2	·6	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·4	·5	...	--	--	8·3	66
27	--	--	...	·6	1·0	1·0	1·0	·9	·9	·9	·8	·3	·2	·7	·1	...	--	--	8·4	67
28	--	--	...	...	·2	1·0	·9	·8	·1	...	...	...	...	...	...	...	--	--	3·0	24
29	--	--	...	...	...	·1	·2	·3	...	...	...	...	...	...	...	...	--	--	0·6	5
30	--	--	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	--	--	0·4	3
31	--	--	...	...	...	...	·2	·7	·6	·8	·7	·3	·2	...	...	...	--	--	3·5	27
Sum	--	--	...	2·0	5·8	10·4	12·0	13·8	13·6	11·6	11·5	9·4	6·3	3·3	1·1	...	--	--	100·8	--
Mean	--	--	...	·06	·19	·34	·39	·45	·44	·37	·37	·30	·20	·11	·04	...	--	--	3·25	28

130. ABERDEEN: h_s = 20·7 metres — APRIL, 1935

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	...	·4	·7	·2	...	...	...	...	...	...	...	...	--	--	1·5	12
2	--	--	...	·1	·2	·4	·3	·7	·7	·9	·8	·6	·8	·3	...	...	--	--	5·8	44
3	--	--	...	·2	·2	·6	·6	1·0	·7	·8	·5	...	...	...	...	...	--	--	4·6	35
4	--	--	...	...	·7	·5	1·0	·9	·3	·9	·2	...	·5	...	...	...	--	--	5·0	38
5	--	--	...	...	...	...	...	...	...	·6	·6	·4	...	·8	·4	...	--	--	2·8	21
6	--	--	...	·4	·2	·8	1·0	·8	·7	·8	·5	·1	·3	·5	·7	...	--	--	6·8	51
7	--	--	·1	·6	·5	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	·4	...	--	--	9·3	69
8	--	--	...	...	...	...	...	...	...	...	...	...	·1	...	·3	...	--	--	0·4	3
9	--	--	...	...	...	...	...	...	...	...	·4	·8	1·0	·9	·5	...	--	--	3·6	28
10	--	--	...	...	·5	·9	·6	...	...	...	...	·1	·1	...	...	...	--	--	2·2	16
11	--	--	...	...	...	·1	·7	1·0	·9	·5	·5	...	·2	·1	...	...	--	--	4·0	29
12	--	--	·1	·5	1·0	·9	1·0	·8	·9	·2	·3	·9	1·0	·9	·8	·3	--	--	9·6	69
13	--	--	·4	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	...	...	...	...	--	--	7·0	50
14	--	--	...	...	...	...	...	·2	·1	·8	1·0	1·0	·8	·4	·5	·1	--	--	4·9	34
15	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
16	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
17	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
18	--	...	...	...	·3	...	...	·8	1·0	1·0	1·0	1·0	·9	1·0	·8	·1	...	--	7·9	55
19	--	...	...	...	...	·5	·7	·2	·1	·4	1·0	1·0	1·0	·4	·3	·3	...	--	5·9	41
20	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
21	--	...	...	...	...	·4	·3	·4	1·0	·8	·9	·1	·1	...	·1	·4	....	--	4·5	31
22	--	...	...	...	...	...	...	...	·8	1·0	·5	...	...	...	...	...	...	--	2·3	18
23	--	...	...	...	...	...	·4	·7	·7	...	·1	...	...	·2	1·0	·9	...	--	4·0	27
24	--	...	·6	1·0	1·0	·1	·5	·9	·7	·4	·3	·9	·9	1·0	1·0	·7	...	--	10·0	67
25	--	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·1	--	0·2	1
26	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
27	--	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	1·0	·9	·1	--	2·5	17
28	--	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	--	0·2	1
29	--	...	...	...	...	...	·1	·4	...	·4	·2	·2	·1	...	·1	...	...	--	1·5	10
30	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
Sum	--	...	1·2	4·0	5·6	7·1	9·9	11·0	10·7	11·1	9·8	8·2	8·9	7·2	7·9	3·7	0·2	--	108·5	--
Mean	--	...	·04	·13	·19	·24	·33	·37	·36	·37	·33	·27	·30	·24	·26	·12	·01	--	3·55	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

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, 1935

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	·9	1·0	1·0	1·0	1·0	·6	·1	...	...	--	5·9	38
2	--	...	...	...	...	...	...	...	...	·2	·1	·6	·1	...	...	...	...	--	1·0	6
3	--	...	...	...	...	...	...	...	·1	·1	...	·1	...	·1	...	...	...	--	0·4	3
4	--	...	...	·4	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	--	10·1	65
5	--	...	·1	·3	·5	·1	·5	·1	·4	·9	1·0	1·0	1·0	1·0	·7	...	...	--	7·6	48
6	--	...	...	...	...	·1	·2	·8	·5	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	--	8·7	55
7	--	...	...	..	...	...	...	...	·1	·2	...	...	·2	·4	1·0	1·0	·2	--	3·1	20
8	--	...	...	·8	1·0	1·0	1·0	1·0	·7	·2	·6	·6	...	...	...	·4	...	--	7·3	46
9	--	...	...	...	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	7·6	47
10	--	...	...	...	...	...	...	·8	1·0	1·0	·7	1·0	1·0	·3	·9	1·0	·4	--	8·1	50
11	--	...	...	·2	·3	·6	1·0	·3	...	...	...	...	...	...	·5	·7	·3	...	3·9	24
12	...	...	·3	·4	·2	·2	...	·1	·2	...	·3	...	...	·1	...	...	...	...	1·8	11
13	...	...	·2	·6	...	·1	...	...	...	...	...	...	...	...	...	·2	...	...	1·1	7
14	...	·1	·4	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·1	...	13·1	80
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	·1	·6	·4	·9	·8	·9	·9	·7	·6	·1	...	...	...	·1	...	...	...	6·1	37
17	...	...	·1	·1	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	0·4	2
18	...	...	...	...	...	·1	·2	·2	...	·1	·6	·7	1·0	·8	·1	...	...	...	3·8	23
19	...	·3	1·0	1·0	·5	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	...	...	...	...	11·2	67
20	...	...	...	...	·1	·2	·8	1·0	1·0	1·0	1·0	1·0	·9	·8	·5	·2	...	...	8·5	51
21	...	...	...	·4	·8	·6	·6	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	11·4	68
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	·4	·2	·7	...	·8	1·0	1·0	·5	...	4·6	27
24	...	·5	1·0	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	14·5	85
25	...	...	...	...	...	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	...	9·5	56
26	...	...	·2	...	...	·4	·2	·1	·6	·8	·9	·9	1·0	1·0	1·0	·9	·2	...	8·2	48
27	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	0·2	1
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	·2	·1	·2	...	...	...	...	...	0·5	3
30	...	...	...	...	...	...	...	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	8·0	46
31	...	...	...	·1	...	·3	·2	·7	·3	·1	·8	·9	·7	1·0	·4	...	...	...	5·5	32
Sum	...	1·0	3·9	6·7	6·7	8·3	10·5	13·1	13·6	15·9	16·5	17·6	16·0	15·6	13·3	10·1	3·3	...	172·1	--
Mean	...	·03	·13	·22	·22	·27	·34	·42	·44	·51	·53	·57	·52	·50	·43	·33	·11	...	5·55	34

132. ABERDEEN: h_s = 20·7 metres — JUNE, 1935

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	...	...	...	...	·3	...	...	·6	·3	·1	...	...	·7	·7	·9	·8	·3	...	4·7	27
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	·7	1·0	·9	·5	...	·1	...	...	...	...	3·2	18
7	...	·1	·9	·3	...	·1	...	...	...	...	·7	...	·9	...	·2	·2	...	...	3·4	19
8	...	...	...	...	...	...	...	...	...	...	...	...	·3	·9	·8	·3	·7	...	3·0	17
9	...	·2	1·0	1·0	1·0	·8	·7	·5	1·0	1·0	1·0	·8	1·0	...	...	...	...	...	10·0	57
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	·5	·3	·1	·4	·9	·8	·9	1·0	·9	·1	...	...	...	...	5·9	33
12	...	·2	·1	...	...	...	...	·5	1·0	1·0	·9	·9	1·0	·9	·7	·1	·7	...	8·0	45
13	...	·2	·5	·7	·7	·8	·8	·7	·1	·6	·7	·2	·9	...	·4	...	·2	...	7·5	42
14	...	...	...	...	·1	·9	...	·1	·7	·4	1·0	1·0	1·0	·8	·1	·1	...	...	6·2	35
15	...	...	...	...	...	...	...	...	·1	·9	·1	·1	·4	1·0	·6	·4	...	...	3·6	20
16	...	...	·5	·1	·1	·7	·9	·8	·7	·1	·1	·2	·1	·4	...	·3	...	...	5·0	28
17	...	...	·1	...	·1	·4	·1	·4	·5	·2	·1	·1	...	...	...	...	...	...	2·0	11
18	...	·3	·1	...	...	·5	·2	·4	1·0	1·0	·8	·8	1·0	·7	...	...	...	...	6·8	38
19	...	·1	·7	·6	1·0	1·0	1·0	1·0	1·0	1·0	·5	·7	1·0	·9	...	...	...	...	10·5	59
20	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·0	·7	...	...	2·3	13
21	...	...	·4	·9	·4	...	...	·2	·5	·1	...	·8	1·0	·6	·1	...	...	...	5·0	28
22	...	·1	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·3	...	...	11·1	62
23	...	...	...	...	...	...	...	...	...	...	·8	·7	·1	...	...	...	...	...	1·6	9
24	...	...	...	...	...	·4	·8	·3	1·0	·9	·7	·9	·9	·9	·7	·3	...	...	7·8	44
25	...	...	...	...	...	...	...	...	...	·5	·2	·2	·5	·3	·2	...	...	...	1·9	11
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	·1	·3	...	...	...	...	...	...	·1	...	...	...	...	...	0·5	3
28	...	...	·3	·8	·7	·5	·5	·9	·7	·5	·9	·8	1·0	1·0	1·0	·8	·6	...	11·0	62
29	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	·9	·4	...	14·3	80
30	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·4	...	...	...	0·6	3
Sum	...	1·4	5·6	5·4	6·9	8·7	7·1	8·8	12·2	11·9	12·3	11·7	14·9	12·0	8·9	5·2	2·9	...	135·9	--
Mean	...	·05	·19	·18	·23	·29	·24	·29	·41	·40	·41	·39	·50	·40	·30	·17	·10	...	4·53	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

133. ABERDEEN: h_s (height of recorder above ground) = 20·7 metres — JULY, 1935

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	·5	·1	...	...	...	...	·3	...	...	1·4	8
3	...	·7	1·0	1·0	1·0	1·0	·4	1·0	1·0	1·0	·6	·7	·1	...	...	...	...	...	9·5	54
4	...	...	·4	1·0	1·0	1·0	·9	·8	·8	·1	...	...	...	·1	...	...	...	...	6·1	34
5	...	...	...	...	·7	1·0	·6	·6	·1	·4	·5	·7	·6	·1	·1	...	...	...	5·4	31
6	...	...	...	·3	...	...	...	·1	·4	·3	·8	·9	·8	·9	·1	·1	·5	...	5·2	30
7	...	·6	·9	1·0	·4	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·5	...	13·1	74
8	...	·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	...	...	14·1	81
9	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·6	1·0	·8	·9	·5	...	...	12·7	73
10	...	·4	·8	·5	·1	...	...	...	·4	·5	·2	...	...	...	...	...	...	...	2·9	17
11	...	...	·2	·6	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	12·7	73
12	...	...	...	...	...	...	·4	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	8·4	48
13	...	...	...	·1	1·0	1·0	1·0	1·0	·8	·2	...	...	·5	...	·7	·4	...	...	6·7	39
14	...	...	...	...	...	...	...	...	...	...	·1	·9	1·0	1·0	1·0	·9	·1	...	5·0	29
15	...	...	·1	...	...	...	...	·3	·7	...	...	...	·1	...	...	·1	...	...	1·3	8
16	...	...	·3	·3	1·0	1·0	·8	·2	·3	...	·4	·2	·9	·7	·6	...	...	...	6·7	39
17	...	...	·1	...	...	...	·1	·3	·4	...	·5	·4	·1	...	·1	·5	...	...	2·5	15
18	...	·3	·4	·7	·9	1·0	·8	·1	·1	...	·1	...	...	...	...	...	...	...	4·4	26
19	...	·6	·9	·9	·8	·8	·7	·8	1·0	1·0	·9	1·0	·9	...	...	...	...	...	10·3	60
20	...	...	...	·6	·3	·1	·5	·4	·9	·7	·1	·2	·1	·5	·7	...	·1	...	5·2	31
21	...	·4	1·0	1·0	1·0	·9	·9	·9	·8	·9	1·0	·8	·9	1·0	1·0	·7	·5	...	13·7	81
22	...	·4	·4	·4	·3	...	...	...	·3	·2	·7	·1	·7	1·0	·9	·9	·6	...	6·9	41
23	...	·6	1·0	1·0	1·0	1·0	1·0	·8	1·0	·7	·1	·1	·3	·1	...	...	...	...	8·7	52
24	...	·7	1·0	1·0	·9	·9	·9	1·0	·8	·6	·7	·8	·4	·3	...	...	·3	...	10·3	61
25	...	...	...	·4	...	·5	·1	·7	·4	1·0	·9	·2	...	...	...	·1	...	...	4·3	26
26	...	·2	...	·6	·4	·4	·6	...	·1	·3	1·0	·8	·2	...	...	...	...	...	4·8	29
27	...	...	...	...	...	...	...	...	...	...	...	·3	·6	·6	·8	·7	·4	...	3·4	20
28	...	·4	1·0	1·0	·9	·8	·7	...	·1	·1	·9	·9	1·0	·4	·1	·8	·1	...	9·2	56
29	...	...	...	...	...	·2	·3	·8	·9	·7	·5	·9	·6	·7	·8	1·0	·8	...	8·2	50
30	...	...	·5	·6	...	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	...	12·1	74
31	...	...	...	...	...	...	·5	·9	·7	1·0	1·0	1·0	1·0	1·0	·9	...	...	...	8·0	49
Sum	...	5·6	12·0	15·0	13·8	15·1	16·1	16·2	18·5	16·2	16·8	16·5	16·8	14·2	13·7	11·3	5·4	...	223·2	--
Mean	...	·18	·39	·48	·45	·49	·52	·52	·60	·52	·54	·53	·54	·46	·44	·36	·17	...	7·20	42

134. ABERDEEN: h_s = 20·7 metres — AUGUST, 1935

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	·9	1·0	1·0	1·0	1·0	1·0	1·0	·3	·5	·1	·2	...	...	...	8·4	52
2	...	...	...	·2	·5	·1	·2	...	·3	·1	...	...	...	·1	·1	...	...	...	1·6	10
3	...	...	...	1·0	1·0	1·0	·6	·5	·3	·8	·8	·5	...	...	...	...	...	...	6·5	40
4	--	...	...	...	·1	·5	1·0	1·0	·7	·7	·2	...	...	...	...	...	...	--	4·2	26
5	--	...	...	...	...	...	...	...	...	...	1·0	·5	...	...	...	...	...	--	1·5	9
6	--	...	...	·2	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·2	...	--	10·8	68
7	--	·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	·1	...	--	13·3	84
8	--	...	·1	...	...	·1	·1	·2	·2	...	...	...	...	...	...	...	...	--	0·7	5
9	--	...	...	...	...	·6	·7	·9	1·0	1·0	1·0	1·0	·7	·1	·5	·1	...	--	7·6	48
10	--	...	...	...	...	...	...	·1	·3	·5	·7	·2	...	·6	...	...	...	--	2·4	15
11	--	...	...	...	·1	...	·1	·8	·9	·6	·4	·6	...	...	...	...	...	--	3·5	23
12	--	...	·2	1·0	1·0	1·0	1·0	·4	·3	·2	·1	...	·2	...	·3	...	...	--	5·7	37
13	--	...	·9	·9	·5	1·0	1·0	·3	·2	...	...	...	·2	·4	·1	...	...	--	5·5	36
14	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
15	--	...	...	...	...	·3	...	...	·1	...	...	...	...	...	...	...	...	--	0·4	3
16	--	...	...	·6	1·0	1·0	·8	1·0	1·0	1·0	·7	·1	·3	·9	·6	...	...	--	9·0	59
17	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
18	--	...	...	...	·2	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	9·6	64
19	--	...	...	...	·2	·2	·4	·9	·5	·5	·9	1·0	1·0	1·0	·6	...	...	--	7·2	48
20	--	...	...	·4	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	·9	...	--	12·2	82
21	--	...	...	...	...	·4	·9	·9	1·0	1·0	·5	·3	·9	·2	·7	1·0	...	--	7·8	53
22	--	...	·2	·4	1·0	1·0	1·0	1·0	1·0	·1	·9	1·0	1·0	·3	...	...	...	--	8·9	61
23	--	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·7	·5	...	...	...	--	9·1	62
24	--	...	...	...	...	·5	·7	...	...	...	...	·3	...	...	...	...	...	--	1·5	10
25	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
26	--	...	...	...	...	...	...	...	...	...	1·0	·6	·7	...	...	...	...	--	2·3	16
27	--	...	...	...	...	·6	·5	...	...	...	...	...	...	...	...	...	...	--	1·1	8
28	--	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	--	0·1	1
29	--	...	·3	·7	·7	1·0	1·0	1·0	1·0	1·0	·3	...	...	...	...	...	...	--	7·0	49
30	--	...	...	...	...	...	...	...	...	...	...	·5	·1	...	...	...	--	--	0·6	4
31	--	--	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	--	--	0·1	1
Sum	...	·3	2·9	6·8	11·3	14·9	16·0	15·0	14·8	13·5	14·5	11·6	10·3	8·2	6·2	2·3	...	...	148·6	--
Mean	...	·01	·09	·22	·36	·48	·52	·48	·48	·44	·47	·37	·33	·26	·20	·07	...	...	4·79	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

135. ABERDEEN: h_s (height of recorder above ground) = 20·7 metres — SEPTEMBER, 1935

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	1·0	1·0	1·0	1·0	1·0	1·0	·8	·6	·1	...	...	...	...	--	--	7·7	55
2	--	--	...	...	...	...	·1	·3	·5	...	·1	·2	·9	·3	...	...	--	--	2·4	17
3	--	--	·4	1·0	1·0	1·0	1·0	·7	1·0	1·0	·8	·9	1·0	·6	·2	·2	--	--	10·8	78
4	--	--	·3	·6	·1	...	...	...	...	...	...	...	...	...	...	...	--	--	1·2	7
5	--	--	...	·1	·8	·7	·8	·8	·4	1·0	·5	·9	1·0	1·0	·5	·1	--	--	8·6	63
6	--	--	...	·7	1·0	1·0	·7	·9	·7	1·0	1·0	·9	1·0	·9	·4	...	--	--	10·2	76
7	--	--	...	...	·2	·9	1·0	·7	...	·5	·2	·3	·4	·3	...	...	--	--	4·5	33
8	--	--	...	...	...	·7	·3	·4	...	·1	·3	·9	·9	·3	·2	...	--	--	4·1	31
9	--	--	...	...	...	...	...	...	...	...	·5	·5	·5	·5	...	...	--	--	2·0	15
10	--	--	...	...	·5	·7	·6	·2	·1	...	...	...	...	...	...	...	--	--	2·1	16
11	--	--	...	...	...	·3	·5	·5	...	...	...	...	...	...	...	...	--	--	1·3	10
12	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
13	--	--	...	·9	1·0	1·0	·9	·6	1·0	1·0	·8	1·0	·5	·1	...	...	--	--	8·8	68
14	--	--	...	...	...	·2	·7	1·0	·5	·3	...	...	...	...	...	...	--	--	2·7	21
15	--	--	...	...	...	·2	·1	...	...	...	...	...	·4	·7	...	...	--	--	1·4	11
16	--	--	...	...	...	...	·6	1·0	·8	1·0	1·0	·9	·8	·9	·2	...	--	--	7·2	56
17	--	--	...	...	·2	1·0	1·0	·2	...	...	...	...	...	...	...	...	--	--	2·4	19
18	--	--	...	·1	·4	1·0	1·0	1·0	1·0	1·0	·9	1·0	·3	·2	...	...	--	--	7·9	63
19	--	--	...	·4	1·0	·9	·8	·8	·8	·8	·7	...	·1	...	...	...	--	--	6·3	50
20	--	--	...	·7	·1	·8	·8	·9	·2	·7	·6	·5	·9	·1	·1	...	--	--	6·6	53
21	--	--	...	·4	1·0	1·0	·9	1·0	·7	·4	...	...	...	...	...	...	--	--	5·4	44
22	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
23	--	--	...	...	·4	·9	1·0	1·0	1·0	·9	·5	1·0	·6	·6	·1	...	--	--	8·0	66
24	--	--	...	·4	1·0	1·0	1·0	1·0	·7	·5	·2	...	...	...	...	--	--	--	5·6	48
25	--	--	--	...	·1	·3	·7	·6	1·0	1·0	1·0	·7	·7	·5	·4	--	--	--	7·0	58
26	--	--	--	...	·9	·1	·4	·3	·2	...	...	...	...	...	...	--	--	--	1·9	16
27	--	--	--	...	1·0	1·0	1·0	1·0	1·0	·8	·4	·4	1·0	·9	·2	--	--	--	8·7	73
28	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
29	--	--	--	·3	1·0	·8	1·0	·8	·7	·5	...	...	...	...	...	--	--	--	5·1	44
30	--	--	--	...	...	...	...	·1	...	·1	...	·5	·2	...	...	--	--	--	0·9	8
Sum	--	--	0·9	6·8	12·7	16·5	17·9	16·8	13·3	13·4	10·3	10·7	11·2	7·9	2·3	0·3	--	--	141·0	--
Mean	--	--	·03	·23	·42	·55	·60	·56	·44	·45	·34	·36	·37	·26	·08	·01	--	--	4·70	37

136. ABERDEEN: h_s = 20·7 metres — OCTOBER, 1935

Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	...	·5	·1	·6	1·0	·8	·6	·9	·8	1·0	·8	·1	--	--	--	7·2	63
2	--	--	--	...	·3	1·0	1·0	·4	·1	...	...	...	...	...	...	--	--	--	2·8	24
3	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
4	--	--	--	...	...	...	...	...	...	·4	1·0	·7	·1	...	...	--	--	--	2·2	19
5	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
6	--	--	--	...	...	...	...	...	...	...	·4	·7	·5	·3	...	--	--	--	1·9	17
7	--	--	--	...	·7	·5	...	·5	1·0	·9	·1	·7	·5	...	...	--	--	--	4·9	44
8	--	--	--	...	...	...	·1	...	·7	1·0	1·0	·5	·4	·1	...	--	--	--	3·8	35
9	--	--	--	...	·9	1·0	·8	·9	·2	...	...	...	...	...	...	--	--	--	3·8	35
10	--	--	--	...	·6	1·0	1·0	·9	·2	·9	1·0	·8	...	...	...	--	--	--	6·4	59
11	--	--	--	...	·6	·9	·8	·2	1·0	1·0	·8	·8	·6	·1	...	--	--	--	6·8	64
12	--	--	--	...	·6	·5	...	...	·1	·1	...	...	...	...	...	--	--	--	1·3	12
13	--	--	--	...	...	...	...	...	...	·4	·1	...	...	...	...	--	--	--	0·5	5
14	--	--	--	...	...	·1	...	...	...	...	...	...	...	...	...	--	--	--	0·1	1
15	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
16	--	--	--	...	...	·1	1·0	1·0	·6	·9	·7	...	...	·1	...	--	--	--	4·4	43
17	--	--	--	...	...	...	...	...	...	·8	1·0	·4	·7	·4	...	--	--	--	3·3	32
18	--	--	--	...	·1	·3	...	...	...	...	...	...	...	...	...	--	--	--	0·4	4
19	--	--	--	...	·1	·4	·1	...	...	...	·2	·3	...	...	--	--	--	--	1·1	11
20	--	--	--	--	...	·7	·6	·8	·6	·6	·8	·7	·3	...	--	--	--	--	5·1	51
21	--	--	--	--	...	·1	·4	·4	·8	1·0	·3	·7	...	·1	--	--	--	--	3·8	38
22	--	--	--	--	...	...	...	·2	·9	1·0	1·0	1·0	·9	·3	--	--	--	--	5·3	54
23	--	--	--	--	...	·3	·7	1·0	·5	·1	·1	·2	...	...	--	--	--	--	2·9	30
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	·1	...	--	--	--	--	0·1	1
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
28	--	--	--	--	...	·6	·5	·6	·6	·6	...	·3	...	...	--	--	--	--	3·2	34
29	--	--	--	--	...	...	·1	...	...	...	...	·7	·1	·2	--	--	--	--	1·1	12
30	--	--	--	--	...	...	...	...	·2	...	...	...	...	...	--	--	--	--	0·2	2
31	--	--	--	--	·1	1·0	·7	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	7·7	85
Sum	--	--	--	...	4·5	8·6	8·4	8·9	9·3	11·3	10·4	10·3	6·1	2·4	·1	--	--	--	80·3	--
Mean	--	--	--	...	·15	·28	·27	·29	·30	·36	·34	·33	·20	·08	·00	--	--	--	2·59	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

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, 1935

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	1·0	·8	·9	·9	·6	·5	...	...	--	--	--	--	5·5	60
2	--	--	--	--	...	...	·1	·1	...	...	...	...	...	...	--	--	--	--	0·2	2
3	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
4	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
5	--	--	--	--	...	...	...	...	...	·3	·4	·3	·2	...	--	--	--	--	1·2	14
6	--	--	--	--	...	...	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	6·7	77
7	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1
8	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
9	--	--	--	--	...	...	...	...	...	·2	...	...	...	...	--	--	--	--	0·2	2
10	--	--	--	--	...	...	·5	·1	...	...	·2	...	...	...	--	--	--	--	0·8	10
11	--	--	--	--	...	...	...	·3	1·0	1·0	1·0	...	...	...	--	--	--	--	3·3	40
12	--	--	--	--	...	...	·1	·1	1·0	·9	·9	1·0	·1	...	--	--	--	--	4·1	49
13	--	--	--	--	...	...	·3	...	...	...	·1	·3	...	...	--	--	--	--	0·7	9
14	--	--	--	--	...	...	...	...	...	...	·6	1·0	·4	...	--	--	--	--	2·0	25
15	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
16	--	--	--	--	--	...	...	...	...	...	...	·4	...	--	--	--	--	--	0·4	5
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1
21	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1
22	--	--	--	--	--	...	·1	...	·1	·3	·3	...	...	--	--	--	--	--	0·8	11
23	--	--	--	--	--	...	·3	·7	1·0	1·0	1·0	1·0	·3	--	--	--	--	--	5·3	70
24	--	--	--	--	--	...	·2	...	·5	·1	·9	·2	...	--	--	--	--	--	1·9	25
25	--	--	--	--	--	...	...	...	·1	·3	·1	...	...	--	--	--	--	--	0·5	7
26	--	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·8	...	--	--	--	--	--	5·4	73
27	--	--	--	--	--	...	·9	·7	·6	·3	...	...	...	--	--	--	--	--	2·5	34
28	--	--	--	--	--	...	...	·1	...	...	...	·3	...	--	--	--	--	--	0·4	5
29	--	--	--	--	--	...	...	...	...	·1	1·0	·5	...	--	--	--	--	--	1·6	22
30	--	--	--	--	--	...	·2	1·0	1·0	·9	·1	·2	...	--	--	--	--	--	3·4	47
Sum	--	--	--	--	...	·8	5·5	5·9	8·3	8·3	9·5	7·3	1·7	...	--	--	--	--	47·3	--
Mean	--	--	--	--	...	·03	·18	·20	·28	·28	·32	·24	·06	...	--	--	--	--	1·58	20

138. ABERDEEN: H_s = 20·7 metres — DECEMBER, 1935

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	1·0	·9	1·0	·9	·9	·3	...	--	--	--	--	--	5·2	73
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
3	--	--	--	--	--	...	·9	1·0	1·0	·6	·4	·5	...	--	--	--	--	--	4·4	63
4	--	--	--	--	--	...	·6	·3	...	·9	1·0	·8	...	--	--	--	--	--	3·6	51
5	--	--	--	--	--	...	1·0	1·0	1·0	1·0	·5	·7	...	--	--	--	--	--	5·2	75
6	--	--	--	--	--	...	...	·9	1·0	1·0	1·0	·8	...	--	--	--	--	--	4·7	68
7	--	--	--	--	--	...	...	·8	·5	·4	...	...	...	--	--	--	--	--	1·7	25
8	--	--	--	--	--	...	·3	·1	·1	·5	·3	...	...	--	--	--	--	--	1·3	19
9	--	--	--	--	--	...	...	·9	1·0	·4	1·0	·6	...	--	--	--	--	--	3·9	57
10	--	--	--	--	--	...	...	·1	·3	·2	...	...	...	--	--	--	--	--	0·6	9
11	--	--	--	--	--	...	...	·1	...	...	...	...	...	--	--	--	--	--	0·1	1
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
15	--	--	--	--	--	...	...	...	...	·1	·8	·3	...	--	--	--	--	--	1·2	18
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
17	--	--	--	--	--	...	...	...	...	·2	·2	...	...	--	--	--	--	--	0·4	6
18	--	--	--	--	--	...	...	·1	·1	·1	...	...	...	--	--	--	--	--	0·3	5
19	--	--	--	--	--	...	·1	1·0	·2	...	...	...	...	--	--	--	--	--	1·3	20
20	--	--	--	--	--	...	...	·1	·1	·1	·7	...	...	--	--	--	--	--	1·0	15
21	--	--	--	--	--	...	·5	·2	·2	...	·1	·1	...	--	--	--	--	--	1·1	16
22	--	--	--	--	--	--	·2	1·0	1·0	1·0	...	·3	...	--	--	--	--	--	3·5	53
23	--	--	--	--	--	...	...	·7	1·0	·8	1·0	1·0	·8	--	--	--	--	--	5·3	80
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
28	--	--	--	--	--	...	...	...	...	·2	·6	·2	...	--	--	--	--	--	1·0	15
29	--	--	--	--	--	...	·1	...	...	·1	...	...	...	--	--	--	--	--	0·2	3
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
31	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
Sum	--	--	--	--	--	·2	4·7	9·2	8·5	8·5	8·5	5·6	·8	--	--	--	--	--	46·0	--
Mean	--	--	--	--	--	·01	·15	·30	·27	·27	·27	·18	·03	--	--	--	--	--	1·48	22
Annual Total		8·3	26·5	46·7	68·7	96·9	119·2	132·9	140·8	140·7	133·1	120·2	98·1	72·1	53·5	32·9	11·8		1302·4	--
Annual Mean		·02	·07	·13	·19	·27	·33	·36	·39	·39	·36	·33	·27	·20	·15	·09	·03		3·57	29
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

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 from Jan. 1935 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	210	0·4	230	1·2	110	0·2	170	0·5	200	1·9	230	1·7	240	3·1	240	0·3	290	0·6	300	1·1	290	0·4	300	1·6
2	180	1·4	180	2·3	190	1·4	190	0·5	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	300	0·3	---	0·0	310	0·1
3	240	2·0	240	1·7	220	1·0	220	1·4	210	1·7	210	1·2	240	1·7	190	1·1	240	2·5	240	2·1	180	2·6	210	1·7
4	270	6·9	270	6·6	280	7·1	260	7·1	290	8·2	300	9·0	290	7·9	300	8·8	300	8·5	300	7·9	310	9.2	310	10.7
5	320	7·9	310	7·7	320	8·0	310	7·8	310	7·7	310	7·8	310	6·7	320	6.8	320	5·4	310	4·8	310	4·9	310	5·6
6	330	5·1	340	5·6	320	5·3	340	5·9	330	5·8	340	5·6	340	4·8	340	5·4	340	6·6	330	5·3	330	5·6	340	5·5
7	170	1·5	150	1·2	100	4·5	90	5·3	90	5·4	90	4·3	90	3·8	70	3·8	80	4·2	90	6·6	110	6·9	90	4·5
8	130	3·9	130	6·0	130	5·2	130	4.8	110	2·5	110	3·8	140	3·1	120	3·4	190	1·7	200	1·3	200	3·3	220	4·5
9	190	2·8	210	3·4	190	2·6	200	2·6	190	3·1	200	5·0	200	4·8	210	4·7	200	5·4	180	4·5	190	3·8	190	3·5
10	180	7·1	180	4·9	180	5·5	180	5·2	200	6·1	190	3·5	200	6·9	210	7·2	210	7·7	220	7·3	220	7·6	210	8·3
11	200	8·8	200	9·6	190	9·4	180	8·4	180	8·4	190	6·6	180	8·9	180	11·4	190	12·1	190	8·6	190	9·8	200	8·3
12	270	6·4	280	5·2	270	5·6	280	3·8	290	5·0	300	5·9	300	4·5	300	5·6	300	5·6	300	7·2	310	7·7	300	6·0
13	310	6·1	300	4·2	300	4·2	290	4.0	280	3·9	280	3·4	280	2·6	280	3·4	280	2·8	270	2·5	270	2·8	250	2·4
14	280	3·0	220	0·9	280	1·9	300	3·4	280	1·1	300	5·3	290	5·9	300	5·9	300	5·4	310	5·9	300	7·1	310	6·2
15	270	3·1	260	3·2	290	4·2	280	4·5	280	4·5	280	3·4	280	2·7	280	3·3	280	3·5	290	4·4	290	5·0	280	4·6
16	200	1·3	240	2·3	210	0·8	240	1·2	240	0·4	50	0·1	270	0·7	300	0·7	260	1·3	250	3·2	270	3·3	270	3·9
17	300	3·0	300	2·7	290	3·0	290	2·6	290	3·0	290	3·0	290	2·9	300	2·5	310	3·7	300	3·0	310	3·6	300	2·9
18	330	1·8	330	1·4	300	1·4	320	1·4	330	0·5	360	0·7	340	0·7	310	0·6	320	0·9	320	1·1	340	1·4	340	1·6
19	310	3·2	310	3·3	310	2·6	310	2·5	310	3·0	300	2·0	300	2·0	300	2·1	290	3·0	290	2·6	270	2·7	270	3·3
20	300	2·7	300	2·4	290	2·4	290	2·4	300	3·1	300	3·9	300	3·8	300	2·9	300	3·3	300	3·6	300	4·5	300	5·1
21	280	1·5	280	2·0	290	2·1	300	2·8	290	3·6	280	2·3	280	3·3	270	4·2	280	4·8	280	4·6	280	4·8	290	5·2
22	270	4·5	270	3·8	290	3·3	280	2·9	270	2·9	290	3·5	270	2·7	270	3·7	270	3·1	260	2·2	270	4·1	270	4·8
23	210	3·1	200	3·9	250	3·5	240	3·7	180	3·0	240	4·3	230	5·2	250	5·7	250	4·3	290	10·5	290	8·7	290	9·5
24	260	3·5	250	2·9	220	2·0	210	1·8	190	0·8	200	3·1	210	3·0	200	1·5	210	1·6	210	3·7	240	6·5	250	7·2
25	280	11.5	270	8·5	270	7·7	270	6·6	260	5·8	250	5·1	250	7·5	250	6·5	260	7·2	250	6·0	250	6·1	260	8·0
26	340	7·9	320	8·5	330	10·9	340	13·0	330	12·7	340	13·9	340	11·8	340	11·0	330	10·5	340	9·5	350	8·9	350	8·2
27	330	9·4	330	9·2	330	8·4	330	7·8	340	7·8	330	6·6	320	6·8	330	6·6	330	5·8	320	6·8	330	6·3	320	7·0
28	280	1·8	290	0·7	210	0·5	280	0·9	310	0·2	290	0·1	230	0·4	240	1·1	220	1·2	220	1·1	200	1·0	210	1·2
29	300	3·6	310	4·5	310	3·9	310	3·4	310	3·7	310	4·2	300	4·4	300	3·0	300	3·3	310	2·9	300	3·1	310	2·4
30	230	0·2	300	0·2	280	0·2	240	1·0	210	2·7	230	1·1	170	0·4	250	1·8	230	0·6	240	0·2	220	0·6	210	0·2
31	230	1.9	250	2·2	250	3·1	240	3·3	240	3·3	230	3·1	270	3·7	280	5·4	270	7·4	260	5·7	260	7·0	270	9·5
Mean	---	4·1	---	3·9	---	3·9	---	4·0	---	3·9	---	4·0	---	4·1	---	4·2	---	4·3	---	4·4	---	4·8	---	5·0

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	280	5·5	250	3·6	210	1·7	220	1·9	200	2·8	200	3·6	190	3·6	190	3·7	180	1·6	240	4·1	240	4·8	270	6·4
2	280	9·1	280	11·0	280	9·4	280	9·7	280	10·7	280	9·1	280	8·4	280	9·3	280	8·8	280	10·1	270	10·5	280	11·5
3	270	4·1	200	2·1	240	3·1	230	4·9	230	6·0	230	4·4	220	4·6	210	2·8	230	1·3	200	1·4	230	1·0	190	0·5
4	310	0·9	290	1·1	310	1·6	300	1·0	300	1·0	300	0·9	290	0·4	300	0·3	220	0·6	210	1·0	190	2·4	190	3·7
5	210	1·0	210	0·7	200	1·2	200	1·6	190	1·0	190	1·4	210	1·5	240	2·5	240	3·5	240	5·9	260	6·4	260	5·5
6	30	9·1	20	8·8	360	6·0	350	4·7	340	5·0	340	4·5	340	4·0	350	4·2	340	3·2	340	3·7	340	3·2	330	2·4
7	280	2·6	280	2·7	280	3·1	280	3·1	280	0·8	230	0·5	270	0·5	210	0·6	270	0·1	310	0·4	310	1·0	250	0·3
8	130	0·1	210	0·2	---	0·0	190	0·4	190	0·3	190	0·5	200	0·2	240	0·1	280	0·1	290	0·6	290	0·5	210	0·3
9	300	1·0	---	...	---	...	---	...	---	...	---	...	200	0·7	190	0·7	290	0·4	300	1·4	310	1·6	120	0·4
10	10	0·4	310	3·2	310	5·1	310	3·9	300	2·1	280	0·9	280	0·5	250	0·9	270	2·0	260	1·9	240	0·6	250	1·1
11	180	0·6	200	0·5	190	0·1	---	0·0	300	0·5	310	1·1	300	0·8	310	0·3	300	0·2	200	0·5	180	1·8	180	3·0
12	190	5.5	190	6·4	200	7·1	210	9·3	220	6·4	220	2.8	240	4·3	240	2·7	270	3·4	270	6·6	270	6·6	310	8·0
13	210	3·4	220	3·6	190	2·3	190	2·5	180	2·3	190	1·9	190	1·8	190	1·4	210	0·5	270	0·4	290	0·9	300	0·7
14	190	3·0	210	3·3	240	4·6	250	4·4	260	5·8	240	5·3	250	7·8	270	11·2	270	14·6	290	17·1	310	16·8	320	12·7
15	230	3·6	240	5·2	250	7·3	260	8·6	250	4·0	270	2·6	250	3·5	240	1·7	230	1·8	240	0·4	---	0·0	170	0·3
16	220	1·7	190	0·9	190	2·1	190	3·5	200	3·6	210	1·6	180	1·0	220	0·1	---	0·0	290	0·5	300	2·3	290	3·0
17	280	8·6	280	9·2	280	7·3	280	7·7	270	7·2	270	4·5	210	1·9	240	3·5	240	0·7	240	2·6	220	3·8	210	3·1
18	170	5·4	190	5·1	190	6·0	190	4·7	210	5·5	220	7·0	220	5·2	210	4·7	200	4·8	200	5·0	200	6·5	200	8·7
19	210	6·3	220	7·9	220	10·3	220	11·4	220	9·6	220	10·9	220	10·2	220	7·5	310	6·0	310	4·5	310	4·3	320	5·3
20	150	4·5	150	5·6	160	5·8	160	5.5	180	6·2	180	7·2	170	4·2	180	6·8	180	7·4	180	7·3	180	7·1	180	10·0
21	200	11.1	210	10·6	220	9·1	220	9·5	220	8·8	230	7·8	200	4·7	210	7·0	210	8·2	210	6·3	210	7·1	220	7·1
22	220	5·8	220	5·9	210	6·2	210	6·5	210	4·7	200	3·9	170	3·2	150	1·9	170	2·0	190	3·7	190	4·7	210	5·7
23	340	8·0	330	7·7	330	7·5	330	7·9	340	6·9	340	6·6	330	9·0	330	7·0	330	7·3	330	7·5	330	6·9	330	7·9
24	220	2·4	250	3·8	250	3·6	280	2·7	270	1·6	240	0·5	300	2·1	290	1·5	280	1·3	290	0·3	230	0·2	270	0·3
25	10	3·1	350	4·4	350	4·7	350	5·5	360	5·7	350	4·7	350	5·3	360	6·2	350	5·3	350	6·4	340	6·8	360	6·1
26	300	3·4	300	2·1	290	2·2	290	1·8	210	1·9	280	2·1	200	0·8	200	1·0	220	2·7	220	1·1	170	1·7	210	2·6
27	160	7·6	160	8·5	170	7·8	160	8·6	160	9·0	160	9·7	160	10·0	160	10·9	160	11·2	160	11·1	150	12·1	150	13·3
28	140	7·5	140	6·8	150	6·0	160	5·9	160	6·1	160	6·3	150	5·9	150	5·5	140	6·4	140	6·2	140	5·5	140	6·0
Mean		4·5		4·7		4·7		4·9		4·5		4·0		3·8		3·8		3·8		4·2		4·5		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

JANUARY, 1935

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	1·2	300	1·0	300	1·1	300	0·8	300	1·1	310	0·8	300	0·6	300	0·6	---	0·0	190	0·2	180	0·1	170	0·3	0·9	1
200	0·7	210	1·5	200	1·1	250	1·5	270	0·7	290	0·9	280	3·2	240	3·3	230	2·9	240	2·0	240	4·2	230	2·2	1·3	2
200	3·8	230	2·5	180	2·6	180	5·1	210	5·1	280	6·2	300	7·3	280	3·1	270	4·4	280	6·6	290	8·7	270	4·5	3·4	3
310	10·6	310	10·4	310	10·9	320	10·9	310	10·9	320	11·3	320	9·6	320	10·0	320	11·7	320	10·3	320	9·4	320	8·9	9·3	4
320	6·0	330	6·5	320	5·5	330	4·5	310	4·7	320	5·8	320	6·2	330	5·6	330	6·2	320	5·6	320	4·6	320	5·2	6·1	5
330	5·4	360	4·6	360	4·4	340	5·1	340	5·0	360	5·3	360	4·7	350	4·1	340	3·8	340	2·5	340	1·8	60	1·8	4·8	6
130	7·7	120	7·8	120	7·0	120	6·9	120	5·4	120	7·0	120	6·0	130	5·5	120	6·1	120	6·1	170	5·4	160	3·7	5·3	7
220	1·9	220	2·4	170	4·7	170	1·9	220	1·5	190	2·7	220	2·0	210	2·4	200	2·4	190	3·6	200	2·1	210	2·3	3·1	8
200	6·0	200	5·4	200	4·5	200	5·0	190	5·4	200	3·6	200	4·3	200	5·4	200	5·0	190	3·8	190	4·6	190	5·9	4·4	9
200	7·5	200	6·3	190	5·9	190	6·6	200	7·8	200	8·1	190	7·9	190	8·0	190	7·1	180	8·1	190	7·7	200	9·4	7·0	10
200	8·2	220	4·8	220	4·9	210	6·6	210	6·4	250	5·5	290	5·8	280	6·7	280	4·7	290	5·9	270	4·1	270	3·6	7·4	11
300	5·4	310	6·5	300	5·6	290	4·8	290	3·9	270	2·0	250	2·4	260	4·1	270	6·8	270	7·7	290	6·6	320	6·6	5·5	12
270	2·9	240	3·4	220	2·3	190	2·0	190	3·1	190	3·5	200	4·0	200	4·5	210	4·0	200	2·5	230	1·5	280	2·0	3·3	13
310	3·8	310	3·8	310	2·3	320	3·1	300	1·8	300	3·1	300	5·5	300	5·3	280	3·2	280	3·6	280	3·6	280	3·7	3·9	14
290	4·5	290	3·2	280	3·2	280	2·7	250	1·2	200	0·5	220	1·0	220	2·0	220	1·8	220	1·7	220	1·5	200	1·5	3·0	15
300	5·3	300	5·0	290	3·2	300	3·0	300	2·1	290	1·0	300	0·6	300	2·3	290	2·0	280	2·0	300	3·0	310	2·8	2·1	16
310	2·9	300	3·0	310	3·1	310	2·4	310	2·7	310	2·0	300	2·3	310	2·3	310	1·9	320	1·7	330	1·3	320	1·1	2·6	17
340	1·8	330	1·8	340	2·5	340	2·5	330	2·9	320	2·9	310	1·6	310	1·5	310	1·6	320	2·0	320	2·0	320	2·5	1·6	18
280	2·5	280	2·4	290	2·3	300	1·4	310	1·1	290	1·9	300	2·9	270	3·6	240	1·5	270	2·1	280	1·9	260	1·5	2·4	19
300	4·8	300	4·6	300	4·7	300	4·9	310	4·3	300	4·3	300	5·9	300	6·0	300	5·5	290	4·3	290	3·7	280	2·8	4·0	20
280	5·4	280	5·5	280	4·3	280	5·5	290	4·8	290	4·7	290	4·9	280	4·5	280	5·2	290	4·8	280	3·9	270	2·9	4·1	21
290	5·9	270	4·6	280	4·2	280	3·5	260	2·5	240	2·8	230	2·7	240	3·4	220	3·0	200	2·5	200	3·4	230	3·7	3·5	22
280	8·5	280	8·1	270	6·1	280	6·0	280	6·4	260	4·5	280	5·5	290	6·0	280	3·5	250	2·8	250	3·2	250	4·3	5·4	23
220	4·8	210	4·7	200	3·5	210	2·3	220	3·3	190	2·5	190	6·1	200	6·2	210	4·2	250	10.0	260	9·3	270	12·3	4·5	24
270	8·5	260	8·7	270	8·5	270	8·1	280	7·3	290	7·3	290	6·6	300	4·9	300	3·4	350	5·3	350	8·0	340	7·8	7·1	25
340	8·2	340	8·8	340	10·4	340	9·9	350	5·5	340	8·7	340	7·9	330	7·6	340	8·3	340	9·2	330	9·4	330	8·7	9·6	26
320	6·9	320	5·2	320	5·5	300	5·6	310	5·2	310	6·0	270	4·7	290	3·7	310	3·9	290	2·9	290	2·9	290	2·7	6·0	27
200	0·4	210	0·9	180	0·7	210	0·2	---	0·0	---	0·0	270	1·0	280	2·1	290	1·8	290	2·6	290	2·2	300	4·1	1·1	28
310	2·2	310	2·4	310	1·7	320	0·4	---	0·0	---	0·0	220	0·5	190	(1·0)	190	2·3	190	3·2	200	0·8	180	0·4	2·4	29
280	1·6	310	2·9	300	6·7	290	3·4	270	4·6	290	7·1	290	4·1	280	4·3	280	4·1	270	3·9	280	2·6	250	1·5	2·3	30
270	9·5	270	10·9	270	9·8	270	9·0	270	9·2	270	9·5	280	8·0	280	8·1	280	6·8	280	7·0	280	6·6	270	7·3	6·6	31
---	5·0	---	4·8	---	4·6	---	4·4	---	4·1	---	4·2	---	4·4	---	4·5	---	4·2	---	4·4	---	4·2	---	4·1	4·3	

FEBRUARY, 1935

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	
230	4·5	240	5·3	240	5·0	250	5·3	240	4·2	230	3·0	240	4·6	250	5·7	250	7·5	260	7·0	270	10·4	270	8·4	4·8	1
300	8·7	290	6·2	270	7·9	290	6·8	280	6·5	300	7·0	300	4·5	290	4·5	300	6·0	300	5·1	290	4·6	270	5·9	8·0	2
210	0·6	210	0·6	290	1·2	310	1·1	340	1·4	300	0·5	290	0·8	280	1·1	290	1·7	290	1·5	290	1·7	340	1·9	2·1	3
210	4·1	230	3·9	230	2·7	230	2·0	240	2·1	240	2·2	240	2·1	250	2·5	270	3·4	280	4·0	290	1·9	230	1·4	2·0	4
270	6·3	280	5·3	280	5·7	280	3·2	270	1·0	300	1·3	310	2·3	310	3·0	310	4·0	330	5·1	350	4·6	20	7·0	3·4	5
320	2·4	320	3·4	310	2·5	340	2·1	340	2·1	310	1·7	290	1·1	290	1·5	280	2·5	300	0·7	270	1·9	280	2·3	3·5	6
250	0·9	240	0·6	240	0·7	220	0·1	220	0·2	---	0·0	---	0·0	---	0·0	250	0·1	310	0·5	290	0·1	---	0·0	0·8	7
200	0·8	200	0·6	110	0·6	130	1·1	120	0·2	---	0·0	---	0·0	320	0·9	310	1·1	310	1·7	---	...	---	...	0·5	8
50	0·4	110	1·0	---	...	100	0·1	310	0·5	---	...	---	...	310	1·0	300	0·8	300	2·4	300	1·4	290	0·8	0·8	9
250	1·9	240	1·7	240	2·0	240	0·3	180	0·1	---	0·0	230	0·3	230	0·6	230	0·5	220	0·2	200	1·5	190	0·5	1·3	10
190	4·1	200	4·4	190	4·5	180	3·7	200	5·3	190	4·5	200	4·4	200	10·2	210	9·5	210	7·9	190	5·5	190	5·1	3·3	11
310	8·5	300	6·4	300	7·5	310	5·3	290	3·3	290	1·2	250	1·0	260	0·8	210	1·5	200	1·6	200	1·6	210	1·7	4·6	12
310	2·5	310	3·4	310	2·3	310	2·0	320	1·4	320	0·6	---	0·0	170	0·5	170	2·0	160	2·7	170	3·1	190	2·9	1·9	13
320	13·2	320	11·3	330	5·2	330	3·4	330	0·4	230	0·5	180	0·5	200	0·5	210	0·5	210	1·9	230	3·2	230	2·8	6·3	14
60	0·6	20	0·8	210	1·5	210	1·9	220	0·6	170	0·2	200	0·1	220	1·0	230	0·6	250	0·8	240	0·9	220	1·8	2·1	15
310	3·4	310	3·7	310	4·8	300	4·4	300	5·1	290	3·9	300	6·6	310	6·7	300	8·0	300	8·5	290	8·0	290	9·3	3·9	16
210	4·1	210	2·9	240	4·4	220	3·2	220	4·1	190	3·9	200	4·8	200	4·2	200	4·6	200	4·7	190	6·2	190	5·1	4·7	17
200	8·1	200	6·3	190	6·4	190	5·8	200	7·3	200	7·8	200	8·0	190	8·5	200	8·0	180	5·4	190	5·9	210	7·7	6·4	18
320	5·6	320	4·4	320	3·4	330	1·6	20	0·9	110	0·1	120	0·3	140	1·6	140	3·1	140	3·6	140	3·8	150	4·7	5·3	19
180	10·1	180	7·5	170	6·1	180	5·0	200	6·0	210	6·0	210	6·9	190	5·3	200	5·0	210	5·6	200	5·5	200	8·0	6·4	20
230	8·0	230	6·6	230	9·0	240	9·5	250	10·4	250	7·5	230	5·7	220	4·8	220	5·1	220	5·0	220	6·2	220	6·9	7·6	21
230	4·2	270	5·1	270	4·4	280	4·2	290	4·7	280	4·1	300	2·8	310	4·4	330	6·6	340	7·5	350	7·9	350	7·7	4·9	22
320	7·8	310	5·6	300	5·9	280	3·9	260	2·3	270	1·9	260	3·3	230	2·5	250	3·1	250	3·8	240	3·1	250	2·6	5·7	23
50	0·8	110	0·9	60	0·6	70	1·0	60	1·4	90	1·5	70	2·1	100	2·6	100	1·3	70	2·1	60	2·6	50	3·6	1·7	24
350	7·6	340	7·5	350	7·2	340	5·8	350	5·7	320	6·1	330	5·4	320	4·5	330	6·0	320	5·6	310	3·9	310	4·4	5·6	25
230	4·4	220	2·9	240	3·0	190	2·6	200	4·0	200	4·2	200	1·2	180	3·5	180	2·3	190	3·1	170	3·1	170	6·6	2·7	26
150	12·5	150	13·4	150	12·6	150	12·0	150	10·9	140	10·4	140	10·3	150	8·8	150	9·4	150	10·1	150	9·9	140	7·8	10·3	27
140	5·9	160	5·5	160	5·3	150	4·8	150	3·6	150	2·9	140	3·9	140	3·5	140	2·7	140	3·2	150	1·5	140	0·4	4·9	28
---	5·1	---	4·5	---	4·4	---	3·7	---	3·4	---	3·0	---	3·0	---	3·4	---	3·8	---	4·0	---	3·9	---	4·2	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

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 from Jan. 1935 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	130	1·5	130	1·5	130	1·3	130	2·4	120	1·7	120	2·7	140	3·4	150	3·9	150	3·2	130	4·2	130	4·9	130	5·2
2	130	3·9	130	3·9	120	6·2	130	5·8	140	5·7	130	8·4	130	8·3	130	7·3	130	6·4	130	6·8	130	6·7	140	4·7
3	150	6·5	150	6·4	150	7·3	150	8·2	140	7·9	150	7·7	150	8·3	150	8·3	150	8·2	150	8·0	150	7·9	170	7·5
4	280	0·3	280	0·8	290	2·0	290	2·4	290	2·5	290	2·9	290	2·9	280	2·5	290	2·0	290	1·5	290	3·4	310	1·8
5	210	3·6	200	2·2	220	2·4	210	1·5	210	2·2	220	2·4	230	1·6	210	1·8	210	3·2	210	4·4	200	2·2	250	4·5
6	250	3·7	270	4·2	260	5·0	250	2·4	270	2·1	260	5·2	250	4·1	260	3·3	260	3·3	270	4·0	270	3·5	270	2·6
7	170	0·6	180	0·5	210	1·2	110	0·2	---	0·0	180	0·1	190	0·9	170	0·3	170	0·5	180	1·6	170	3·4	160	3·1
8	180	3·7	180	4·1	180	2·5	170	1·7	170	2·0	170	2·1	170	2·5	160	3·0	160	3·5	160	3·9	170	4·5	170	4·9
9	150	5·6	160	4·9	150	5·4	160	4·3	150	4·2	150	3·7	140	3·6	150	4·2	150	3·5	130	4·8	130	5·1	120	5·1
10	110	5·6	110	5·5	110	5·2	110	4·7	110	4·4	100	4·3	90	3·9	90	4·7	90	4·4	90	4·6	90	4·7	90	4·6
11	70	4·6	70	4·5	70	4·0	70	3·9	70	3·1	70	3·3	70	3·7	80	3·8	80	3·6	90	2·9	90	3·0	90	2·8
12	310	2·3	310	2·4	290	1·8	310	2·5	310	2·6	310	2·1	310	2·0	310	1·7	310	1·9	310	1·3	320	0·8	120	2·1
13	160	2·4	160	2·1	150	2·3	150	2·5	150	3·0	150	3·5	150	3·3	150	3·2	140	3·8	150	4·2	150	4·6	140	4·2
14	160	3·3	170	2·7	170	3·0	160	3·2	150	2·8	150	2·9	150	2·4	150	2·2	170	1·8	160	2·4	150	3·3	160	3·3
15	120	4·4	120	3·8	130	3·2	130	2·6	140	1·3	120	0·9	120	1·1	110	1·4	110	3·2	110	2·9	100	2·4	100	3·2
16	180	1·3	190	0·8	220	0·8	310	1·0	300	0·9	300	1·0	300	0·9	280	0·1	310	0·6	310	0·8	190	1·2	180	2·2
17	340	0·1	340	0·7	330	0·6	330	0·7	330	1·2	320	1·3	300	2·0	300	2·1	300	2·1	310	2·3	190	2·3	310	2·2
18	300	1·2	310	0·5	---	...	---	...	---	0·0	---	0·0	150	0·5	160	1·4	160	2·5	160	3·8	180	4·9	180	5·6
19	190	5·6	190	4·4	190	6·2	190	7·0	200	8·0	200	5·1	210	4·1	200	1·8	190	0·9	210	1·9	210	2·7	200	2·3
20	180	4·2	170	3·1	200	4·4	210	3·9	220	4·3	210	6·3	220	5·4	230	5·4	250	3·7	250	5·5	250	6·7	250	6·5
21	200	1·1	220	1·4	210	1·1	---	...	190	0·8	20	0·2	230	1·1	200	1·4	170	1·0	200	1·7	210	2·0	240	3·0
22	210	1·7	200	1·7	210	3·1	210	2·9	200	3·3	200	4·2	200	3·5	210	2·8	210	3·0	200	2·7	200	4·0	200	4·9
23	190	3·7	190	3·5	190	2·8	200	2·5	220	1·5	250	1·6	240	3·2	240	2·6	230	2·9	280	6·6	290	6·5	300	5·8
24	250	2·5	260	2·3	290	4·0	280	5·0	270	3·4	280	4·2	270	3·3	280	1·4	280	3·5	290	7·9	300	6·1	300	6·0
25	160	4·9	180	3·1	200	3·7	200	3·3	190	3·5	170	5·9	220	6·8	220	7·5	190	7·4	200	6·3	190	5·9	210	5·3
26	260	4·8	250	5·2	250	5·2	250	4·1	250	3·3	240	3·9	250	3·3	250	2·8	270	6·5	270	9·7	280	11·2	280	11·2
27	280	8·0	290	7·9	290	8·3	290	8·3	300	8·5	300	7·4	290	6·1	300	7·6	300	7·3	300	7·5	300	8·7	300	7·6
28	280	3·9	280	2·9	250	3·4	240	2·4	280	2·9	290	3·0	290	3·2	290	2·8	280	4·4	290	4·7	310	5·2	310	5·0
29	310	2·2	340	2·8	330	3·0	30	4·3	40	4·8	40	3·5	20	2·0	340	1·5	40	2·0	60	2·5	80	2·2	100	2.0
30	190	3·5	200	3·6	200	4·1	200	3·9	200	3·0	200	2·3	210	0·7	220	1·0	220	1·4	230	1·3	290	3·7	290	4·0
31	240	1·2	180	1·0	170	1·2	190	0·5	210	1·2	220	2·9	200	2·1	200	0·9	240	4·1	240	5·1	260	6·9	280	9·5
Mean		3·3		3·0		3·4		3·2		3·1		3·4		3·2		3·1		3·4		4·1		4·5		4·6

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	270	6·6	260	7·0	270	8·4	270	11·5	290	12·6	300	14·1	290	14·3	300	12·0	310	11·5	330	11·5	330	11·9	330	10·3
2	330	7·6	330	7·3	330	6·1	330	7·3	330	7·7	330	7·8	320	8·4	330	8·1	330	8·5	330	7·8	340	9·5	330	9·2
3	330	5·9	330	5·7	330	6·8	320	5·6	320	4·5	320	5·2	330	6·0	310	6·2	320	6·8	320	7·7	330	9·1	330	8·6
4	330	8·5	330	8·5	320	8·2	310	8·0	300	7·6	290	7·9	300	9·0	290	9·2	280	9·0	280	9·2	290	10·9	300	11·6
5	300	9·2	300	10·6	300	10·5	300	11·5	300	11·1	300	10·2	300	10·5	290	10·6	290	10·0	290	10·2	290	9·7	280	9·7
6	280	7·3	280	7·6	290	9·6	300	9·7	310	9·4	310	6·9	310	4·3	320	5·1	340	5·8	20	5·7	20	5·3	30	3·9
7	300	1·2	300	1·1	300	1·2	290	0·8	290	1·2	290	1·2	300	0·9	310	0·3	320	0·1	180	0·7	160	2·5	160	3·2
8	90	4·9	70	6·4	60	6·2	50	6·3	40	6·3	40	7·2	40	7·3	40	7·2	50	6·7	40	6·4	40	5·6	30	5·5
9	300	1·2	310	0·8	300	0·5	310	0·7	200	0·9	300	0·4	310	0·6	100	1·0	80	2·4	80	2·6	30	2.0	320	1·6
10	170	2·5	180	3·5	170	2·7	150	4·4	120	5·2	120	6·8	140	6·9	160	8·6	180	7·1	200	9·9	180	9·5	190	10·8
11	230	1·7	220	2·7	220	1·5	240	0·6	210	2·0	210	1·3	210	1·1	220	1·2	250	4·9	250	6·0	260	7·8	250	6·9
12	300	6·2	300	6·1	290	5·1	300	4·0	300	3·1	280	4·2	280	3·5	310	6·5	310	5·5	320	7·0	330	6·8	320	6·5
13	320	3·3	290	1·5	290	2·0	280	2·0	280	2.0	300	1·1	310	0·5	300	1·4	250	1·9	210	1·4	100	1·6	140	3·9
14	130	3·4	140	3·4	130	4·4	140	3·2	140	3·1	140	4·1	130	4·1	130	4·4	130	4·4	120	4·6	120	5·3	120	5·3
15	150	4·7	150	5·3	150	5·2	160	5·1	150	5·6	150	5·9	150	5·9	150	5·9	150	5·4	150	5·4	160	6·5	160	7·0
16	170	3·5	160	3·6	150	2·0	150	2·6	140	2·5	140	2·0	130	2·5	130	4·5	110	4·2	110	4·6	110	4·5	110	5·2
17	40	6·0	360	5·0	310	3·6	280	2·9	170	2·4	160	3·8	150	2·9	140	5·7	140	5·8	130	6·4	130	6·8	130	7·4
18	60	3·7	60	3·5	50	3·6	60	3·4	50	2·7	40	2·0	30	2·5	30	3·2	40	3·8	30	3·9	40	4·1	40	4·2
19	300	1·7	300	1·7	290	1·9	260	1·5	260	0·6	290	2·6	280	2·1	290	2·1	300	3·2	330	2·7	330	2·1	350	1·9
20	190	0·9	220	0·8	180	0·6	---	...	---	...	330	0·5	100	0·2	120	2·8	120	3·2	120	4·0	120	4·1	120	4·2
21	90	3·2	90	3·2	90	4·2	100	5·6	100	6·1	110	6·4	120	5·4	150	4·8	180	4·5	170	4·8	170	4·2	170	4·4
22	150	0·5	110	0·7	90	1·2	110	1·5	110	1·5	110	2·0	100	2·0	90	0·7	100	0·6	100	0·9	110	1·1	110	1·1
23	310	3·9	330	3·5	340	2·9	330	3·9	330	4·7	320	5·1	310	6·1	310	5·3	310	6·2	310	6·2	310	7·7	310	8·4
24	310	1·6	300	1·9	290	1·5	280	1·1	290	1·5	310	1·1	320	2·1	320	5·0	320	4·9	320	5·5	330	4·6	340	4·8
25	320	2·3	310	3·4	320	3·7	330	2·7	340	3·9	340	3·9	340	3·9	340	4·2	10	3·5	40	2·8	40	3·0	30	3·5
26	340	1·5	340	2·0	340	2·5	340	2·0	340	2·4	340	3·6	340	3·8	330	5·0	330	5·5	340	4·6	340	4·6	340	4·5
27	340	2·1	330	2·5	320	2·4	310	2·2	310	2·4	320	2·1	340	1·6	340	2·5	350	3·4	330	3·4	340	3·8	330	4·1
28	330	3·5	330	3·0	320	2·3	320	1·8	310	1·6	320	2·5	300	2·8	310	3·4	300	4·2	320	4·7	320	5·3	320	5·4
29	270	2·9	290	3·0	290	4·0	280	3·7	270	2·8	270	2·4	280	2·5	280	3·3	290	5·2	290	5·4	310	6·6	320	6·0
30	---	0·0	210	0·2	250	0·7	270	1·1	280	1·4	290	1·1	300	1·8	310	3·1	310	3·3	90	2·7	100	3·7	110	4·4
Mean		3·7		3·9		3·9		3·9		4·0		4·2		4·2		4·8		5·1		5·3		5·7		5·8
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) = 24 metres + 13 metres

MARCH, 1935

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	
130	4·7	130	4·4	130	4·7	130	5·0	130	4·7	120	5·4	120	4·6	120	4·8	110	4·6	100	3·0	110	4·5	120	6·0	3·6	1
130	5·3	130	6·3	130	6·4	130	6·4	140	5·3	140	5·6	140	5·0	140	5·7	140	6·7	150	6·5	140	6·9	140	7·3	6·1	2
150	8·6	150	8·2	150	7·7	160	7·9	160	7·8	160	7·3	160	6·9	160	6·5	180	4·1	300	2·0	300	0·1	310	0·1	6·6	3
100	0·8	130	3·2	160	3·9	160	4·3	160	4·2	160	4·7	160	4·2	170	4·7	160	6·1	170	7·5	180	7·1	190	5·8	3·4	4
270	7·0	270	6·9	280	10·5	270	6·7	280	6·8	270	6·4	270	5·9	280	4·1	270	3·9	270	5·1	250	4·5	250	4·5	4·3	5
280	1·8	270	1·8	290	1·4	110	1·9	130	0·9	120	0·4	180	0·7	200	0·6	---	0·0	140	0·5	200	1·4	200	1·3	2·3	6
170	4·5	180	4·2	170	4·5	170	5·2	170	4·5	170	4·7	180	4·4	180	3·6	190	3·3	190	3·4	190	2·6	180	3·1	2·5	7
160	4·4	160	4·7	160	5·3	170	5·3	160	4·8	160	5·3	160	5·4	160	5·8	150	5·7	150	5·5	160	5·4	160	4·7	4·2	8
120	4·8	120	4·0	120	4·0	120	3·4	110	4·2	90	3·6	100	4·8	100	5·5	110	5·7	110	5·7	110	6·1	110	5·6	4·7	9
90	4·6	90	4·5	90	4·8	90	4·8	90	4·6	90	4·1	90	3·8	90	3·5	80	4·1	80	4·9	80	4·7	70	4·3	4·6	10
90	2·8	90	2·7	90	2·9	90	2·6	90	1·9	100	0·9	80	0·5	80	0·2	320	0·2	320	1·0	310	2·0	310	1·6	2·6	11
110	2·1	120	2·5	110	2·7	120	3·0	120	3·0	130	2·6	140	2·1	140	2·3	160	2·5	150	2·8	150	3·6	160	2·0	2·3	12
150	4·4	140	4·4	140	3·5	150	4·2	150	3·8	160	4·3	150	3·8	150	3·5	160	3·8	170	3·2	170	2·7	160	3·0	3·5	13
130	3·4	110	3·2	120	3·3	120	2·8	110	1·7	110	1·7	90	0·5	90	0·1	80	0·2	---	0·0	360	0·3	100	2·0	2·2	14
130	4·5	130	4·9	140	5·6	160	5·8	160	5·5	170	5·2	180	2·9	200	1·6	210	1·5	200	1·4	190	0·9	180	2·3	3·0	15
170	3·3	180	3·7	180	2·8	170	3·0	160	2·9	160	2·1	160	1·5	140	1·3	150	1·1	150	0·7	120	0·5	100	0·2	1·4	16
310	2·1	300	1·9	330	2·7	320	2·4	350	1·5	20	1·0	10	0·3	320	0·8	320	1·5	320	1·1	310	0·9	310	1·3	1·5	17
180	4·7	160	4·0	170	3·7	180	3·4	170	3·6	180	3·2	170	2·6	190	2·1	190	3·1	180	3·0	170	2·1	190	2·9	2·5	18
210	3·6	210	4·2	200	2·8	180	3·4	180	4·0	110	2·3	120	1·0	160	2·4	200	2·5	210	1·5	180	0·9	180	2·1	3·4	19
240	7·4	280	7·1	280	7·6	280	8·0	240	3·5	260	3·6	270	6·9	250	2·9	240	2·4	240	3·1	230	1·8	240	0·5	4·8	20
220	3·8	200	5·2	200	4·5	210	4·6	210	5·5	220	3·8	210	4·1	220	4·4	220	3·7	220	4·2	210	2·9	220	2·1	2·7	21
200	5·4	220	6·1	170	5·6	180	5·5	190	5·2	180	3·6	200	4·7	210	4·0	190	3·3	210	3·9	200	4·1	200	4·1	3·9	22
300	5·5	320	4·3	310	5·6	330	3·1	330	2·2	300	1·4	240	1·0	260	2·6	270	2·9	250	1·8	260	2·3	250	2·4	3·3	23
310	4·7	280	3·1	270	2·8	170	3·6	170	3·5	180	1·7	220	1·2	230	2·2	200	2·3	220	3·6	200	3·4	180	4·4	3·6	24
260	7·0	260	6·9	260	8·1	270	9·5	280	5·6	270	5·0	260	8·2	260	8·1	230	4·1	230	2·7	250	5·4	250	4·3	5·6	25
280	11·4	270	10·1	270	10·9	270	11·5	280	9·3	270	8·0	270	8·6	270	6·9	270	7·9	270	9·3	270	8·6	270	7·6	7·6	26
300	7·0	310	7·9	300	8·1	300	7·3	300	6·0	310	3·5	310	3·2	310	3·3	290	3·7	300	3·6	300	2·9	290	3·2	6·4	27
310	4·6	300	3·6	290	4·1	320	3·1	330	2·7	320	3·3	310	2·0	300	3·2	300	4·0	300	3·0	300	2·6	300	2·5	3·4	28
110	2·3	130	2·7	150	3·5	160	4·0	160	4·6	170	4·9	180	4·4	190	3·8	190	3·5	190	4·0	190	3·2	190	3·2	3·2	29
280	2·8	280	4·4	290	4·6	280	4·3	270	4·0	270	2·8	270	3·2	270	2·7	260	2·0	240	1·9	240	2·1	280	2·0	2·9	30
290	9·4	310	9·0	310	7·7	310	7·0	280	6·5	280	8·3	300	6·1	300	5·9	270	4·0	270	6·1	260	5·9	270	5·1	4·9	31
---	4·8	---	4·8	---	5·0	---	4·9	---	4·3	---	3·9	---	3·7	---	3·5	---	3·4	---	3·4	---	3·3	---	3·3	3·8	

APRIL, 1935

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	
330	10·4	330	9·4	340	8·9	340	8·9	340	9·4	340	8·0	340	7·3	330	7·0	320	6·0	330	6·2	330	6·7	330	7·2	9·5	1
330	10·1	330	10·2	330	10·0	340	8·2	330	8·5	330	7·6	330	6·7	330	7·4	320	7·9	330	7·5	330	6·5	330	6·7	8·0	2
310	8·1	320	8·0	320	7·9	320	6·3	300	6·2	300	7·3	300	5·4	300	5·7	310	5·7	300	6·1	300	7·3	300	7·7	6·7	3
300	9·9	300	9·3	290	9·0	310	6·8	310	7·5	310	6·2	10	1·6	320	0·9	310	2·5	310	5·1	300	8·5	300	7·7	7·6	4
280	9·1	290	10·3	310	10·9	320	5·3	310	6·1	320	5·6	290	4·3	290	3·3	310	6·6	290	4·6	290	4·8	290	6·2	8·4	5
50	3·1	70	2·1	350	2·9	280	2·6	290	3·2	300	2·3	280	1·7	280	1·4	300	1·8	290	1·2	230	1·7	240	1·0	4·4	6
160	4·7	160	4·6	160	4·4	150	4·1	150	3·8	140	3·5	140	3·2	120	2·7	110	3·3	100	3·2	90	3·1	110	4·5	2·5	7
30	5·4	20	4·4	20	4·4	30	4·7	20	3·6	30	3·2	10	2·0	340	1·5	330	1·5	300	1·2	300	1·5	300	1·6	4·6	8
290	3·3	290	3·9	300	4·0	270	3·3	250	2·4	170	1·7	160	1·5	170	1·0	210	2·0	200	1·9	180	2·0	170	3·4	1·9	9
200	10·2	210	10·6	220	10·6	230	10·4	240	7·4	240	7·1	240	6·8	240	2·8	220	4·0	230	4·8	240	4·2	220	4·4	6·7	10
230	6·2	250	4·9	300	5·0	290	5·4	310	8·1	300	8·4	300	7·4	300	6·7	290	6·9	290	7·8	300	5·9	300	6·6	4·9	11
330	5·5	320	6·3	330	6·5	330	8·1	340	6·8	340	6·0	330	4·9	310	2·4	310	1·6	310	2·4	310	2·5	310	3·5	5·0	12
150	4·4	160	5·0	160	5·4	160	5·0	140	4·5	150	3·9	140	2·8	140	3·1	150	3·5	150	3·5	140	3·0	140	3·0	2·9	13
120	6·1	120	6·2	120	6·0	130	4·8	120	4·7	130	4·4	140	4·5	130	4·3	130	4·9	150	4·6	150	4·6	140	4·7	4·8	14
160	6·2	160	7·3	160	6·7	160	7·0	160	5·7	160	5·5	160	6·1	160	6·6	160	4·1	180	2·5	180	3·0	180	3·5	5·5	15
110	6·0	90	4·9	70	5·1	80	5·1	80	5·4	40	3·9	30	5·8	10	4·8	360	4·5	360	4·2	60	4·8	60	5·7	4·2	16
120	8·3	110	8·5	100	7·3	90	6·0	80	6·3	70	6·7	70	5·3	60	4·2	60	4·6	60	4·5	60	4·2	60	3·4	5·3	17
50	5·0	40	5·2	50	4·9	50	4·0	40	3·6	30	3·1	20	1·2	340	0·7	310	1·3	300	1·8	300	1·8	300	2·1	3·1	18
360	2·5	80	3·5	90	2·8	110	3·0	100	2·8	140	2·3	150	1·5	140	1·0	170	1·5	190	1·9	200	1·2	200	0·4	2·0	19
120	4·7	120	4·1	120	4·1	120	3·4	110	3·6	120	3·7	120	4·1	120	4·1	120	4·1	120	3·8	110	4·2	110	3·7	2·9	20
130	4·1	130	4·0	160	3·5	150	3·5	150	5·5	150	5·0	170	4·5	160	3·0	150	2·6	150	3·1	150	1·5	140	1·0	4·1	21
110	1·4	90	2·4	90	2·0	80	2·0	90	2·0	90	2·1	100	1·4	120	1·2	120	0·3	10	0·1	310	1·4	310	3·0	1·4	22
310	7·5	330	6·4	340	5·2	340	5·2	340	5·4	330	5·5	330	5·5	340	3·8	320	1·7	310	1·9	310	1·6	290	1·8	4·8	23
350	4·5	350	4·2	350	4·0	340	3·9	340	4·3	350	3·7	360	3·0	340	2·8	310	2·0	310	2·3	310	2·0	320	2·3	3·1	24
40	3·3	30	3·6	40	2·6	40	2·9	20	2·6	20	2·5	20	3·0	360	1·4	340	1·2	340	2·5	350	2·1	350	1·4	2·9	25
350	4·6	360	4·1	350	3·5	360	2·9	10	3·1	20	2·6	20	2·6	10	3·0	350	3·0	340	2·3	340	2·0	340	2·5	3·3	26
320	4·4	320	4·1	330	3·4	350	3·6	350	3·3	360	3·3	360	2·4	360	1·5	330	1·5	320	1·9	340	1·9	330	2·9	2·8	27
330	4·9	320	5·5	320	4·6	320	4·5	340	3·6	330	3·5	330	2·1	320	1·5	320	1·1	310	1·2	290	1·0	290	1·1	3·1	28
320	5·9	320	6·2	320	6·3	330	5·5	350	4·0	340	3·5	350	2·9	330	2·1	340	1·6	350	0·5	100	0·1	240	0·1	3·6	29
100	4·3	110	4·4	110	4·4	110	4·6	110	4·2	120	3·5	120	4·0	120	3·9	130	3·4	140	3·7	140	3·7	150	3·6	3·0	30
---	5·8	---	5·8	---	5·5	---	5·0	---	4·9	---	4·5	---	3·9	---	3·2	---	3·2	---	3·3	---	3·3	---	3·6	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

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, W = 360°). Speed in metres per second

143. ABERDEEN: Dines Pressure Tube Anemometer from Jan. 1935 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	140	3·7	150	3·9	150	3·5	150	3·7	150	4·2	160	4·7	170	4·5	180	4·9	180	5·7	170	6·3	170	7·1	170	7·8
2	190	1·8	190	1·2	190	1·2	210	1·0	190	0·6	180	0·6	180	1·8	260	0·4	210	0·8	180	2·0	180	3·3	180	4·3
3	230	0·4	280	0·2	280	0·1	260	0·3	280	0·5	300	0·6	310	0·2	180	0·6	180	2·6	180	2·5	170	2·0	140	2·3
4	---	0·0	60	0·2	160	0·1	100	0·2	120	1·0	110	0·5	160	1·1	170	1·6	170	2·4	180	4·6	180	4·4	170	4·7
5	180	1·7	190	0·7	180	0·5	160	0·7	150	0·7	160	1·1	150	1·0	170	0·7	100	1·4	110	2·3	110	2·2	110	2·4
6	320	1·4	310	1·8	310	1·7	310	1·3	320	0·2	330	1·4	330	2·0	330	3·3	310	3·5	310	3·0	340	2·6	110	2·7
7	310	1·3	300	1·7	300	2·0	310	1·3	320	1·7	340	2·5	330	4·0	330	5·2	320	5·5	330	5·7	340	4·5	340	4·6
8	300	1·0	310	1·9	300	1·7	300	1·5	300	1·6	300	1·3	310	1·2	310	0·6	170	0·5	110	1·9	110	2·8	110	3·3
9	310	0·6	310	0·6	330	0·5	320	0·7	310	0·8	310	1·0	300	1·0	310	1·5	360	0·9	60	1·3	60	1·8	80	2·7
10	310	0·5	300	0·8	290	0·9	300	1·2	310	1·1	310	1·1	320	1·3	360	1·9	350	3·0	40	3·3	50	3·1	50	3·5
11	320	0·8	310	1·1	300	1·6	290	2·3	300	1·9	300	1·7	300	1·7	310	2·2	340	3·6	330	4·3	340	4·9	340	5·1
12	340	5·5	340	3·9	340	4·3	340	5·1	330	4·8	340	5·4	330	6·2	350	5·7	340	6·0	340	6·7	340	6·1	340	6·4
13	310	2·0	320	3·4	330	4·6	330	4·0	320	2·7	290	2·4	290	4·2	300	5·8	300	6·2	300	5·0	280	4·4	260	3·3
14	320	3·5	320	4·8	330	4·4	330	4·6	350	4·9	350	5·1	340	4·1	10	5·1	20	7·1	20	7·2	30	6·7	40	6·9
15	(300)	0·8	220	1·4	210	2·0	210	2·8	220	4·4	220	5·0	200	5·9	200	6·8	210	6·3	210	5·5	210	4·9	210	5·5
16	340	6·8	340	6·7	340	7·2	330	7·8	330	5·4	320	7·0	330	7·7	330	7·6	320	8·1	320	8·3	330	8·5	330	8·2
17	310	3·5	300	2·5	310	3·5	300	3·0	300	5·0	280	5·2	290	5·9	290	7·6	290	7·1	300	6·5	320	5·5	330	7·0
18	330	7·4	330	7·9	330	7·0	330	6·3	320	5·4	330	5·0	350	3·6	340	5·0	360	3·2	360	4·5	10	3·3	40	2·9
19	160	2·6	150	2·3	150	2·4	150	1·8	140	2·0	140	2·5	130	2·7	120	3·4	110	3·0	90	2·7	80	3·1	80	3·9
20	80	6·2	90	5·5	90	4·7	90	3·2	70	3·0	70	2·3	40	2·0	30	2·7	30	3·0	40	4·5	40	4·8	40	5·7
21	350	2·4	340	2·9	330	2·3	320	1·6	320	1·9	320	1·6	340	3·1	350	3·4	330	3·2	350	3·2	10	2·9	360	2·5
22	300	1·2	300	1·4	310	0·9	---	...	300	0·5	290	1·1	300	1·0	300	0·6	310	1·4	310	2·4	330	1·9	100	1·0
23	350	1·7	340	1·9	340	2·0	340	2·2	330	2·1	340	1·6	360	1·0	10	1·3	30	1·6	50	2·4	50	4·0	50	3·2
24	320	1·5	320	2·2	310	2·2	330	1·5	310	1·9	300	2·5	300	2·4	40	2·7	10	3·0	40	3·5	50	3·5	50	3·4
25	350	2·0	340	2·6	350	1·9	320	2·2	310	2·1	320	1·8	320	2·0	350	2·2	360	2·3	40	3·2	50	4·5	50	4·6
26	360	2·4	350	3·0	10	2·0	340	2·7	340	2·3	350	2·3	10	3·0	340	3·3	10	3·4	360	3·6	10	3·5	40	3·8
27	340	2·4	330	2·2	330	2·8	320	2·6	320	2·1	340	1·5	30	2·3	40	2·4	40	2·3	40	2·5	50	2·5	50	2·4
28	290	0·2	310	0·2	310	0·3	310	0·2	10	0·2	40	0·3	40	0·8	50	0·7	80	0·8	70	1·2	100	1·4	100	1·6
29	120	0·4	130	0·5	150	0·6	170	0·5	120	0·7	130	0·6	130	0·8	120	1·0	100	1·4	110	1·4	120	1·9	100	2·0
30	30	0·5	50	0·5	10	0·5	10	1·1	340	1·3	350	1·2	340	1·5	350	1·4	350	1·9	350	1·8	10	2·1	50	2·5
31	320	1·9	310	1·5	320	1·4	320	1·7	320	1·9	320	1·5	360	1·9	360	2·0	40	2·5	50	3·1	60	3·0	60	3·7
Mean	---	2·2	---	2·3	---	2·3	---	2·2	---	2·2	---	2·3	---	2·6	---	3·0	---	3·3	---	3·8	---	3·8	---	4·0

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	350	0·4	360	0·6	20	1·2	20	1·2	340	0·6	300	0·7	340	0·6	50	1·3	40	1·2	80	1·6	80	2·0	80	2·9
2	120	1·3	110	1·6	140	0·7	100	1·7	110	1·2	100	1·6	100	1·8	100	2·3	110	2·4	130	3·1	110	2·8	110	3·1
3	100	2·0	100	2·3	90	2·6	90	2·8	90	2·8	90	2·5	100	3·3	70	2·1	70	2·2	60	2·3	60	2·1	70	[illegible]
4	100	1·9	110	2·0	110	1·8	100	2·3	100	2·5	100	2·5	110	2·6	100	2·7	100	2·8	90	3·3	100	3·6	100	4·1
5	60	4·2	70	5·8	60	4·8	60	5·1	60	4·1	60	4·9	60	4·9	60	4·5	60	5·2	50	5·4	50	5·3	50	5·4
6	30	4·3	40	4·4	40	4·1	40	4·1	40	3·7	40	3·3	40	2·5	30	1·3	60	0·4	100	0·4	110	0·7	100	1·2
7	170	4·6	180	5·1	180	4·3	180	3·2	200	2·6	190	2·6	180	3·3	180	5·1	180	4·2	170	3·7	170	4·3	170	4·6
8	240	3·2	220	2·2	230	1·8	210	2·9	210	4·1	220	5·1	220	4·4	230	3·3	270	3·1	290	4·7	300	6·5	290	6·9
9	220	1·2	230	1·9	230	2·0	230	1·8	230	1·0	220	1·3	210	1·2	170	1·8	240	2·7	180	4·4	160	6·7	160	7·2
10	170	1·2	150	1·8	150	1·4	160	1·4	160	3·4	170	3·5	170	4·0	150	4·1	140	2·7	120	3·3	130	3·7	130	4·9
11	90	1·3	120	1·7	130	1·1	150	1·7	160	2·2	170	2·0	170	1·3	190	2·0	180	2·1	160	2·6	90	2·0	160	5·1
12	200	4·8	200	3·8	180	3·4	180	4·3	170	2·5	210	3·5	210	5·0	200	4·0	200	4·4	210	4·2	210	4·4	210	4·8
13	200	1·0	200	1·0	220	0·5	180	0·9	170	1·5	180	2·7	180	4·0	190	4·3	170	3·8	180	5·0	180	6·2	190	5·7
14	210	1·5	---	0·0	---	0·0	---	0·0	200	0·9	200	1·0	170	3·1	150	3·9	110	2·6	70	1·4	100	1·0	120	3·1
15	150	1·0	140	0·1	60	0·6	80	0·8	100	0·5	60	0·1	---	0·0	60	0·3	90	1·0	100	0·6	100	0·7	110	1·6
16	290	0·7	300	0·4	320	0·4	310	1·2	310	1·7	310	1·7	310	2·4	310	2·5	310	3·3	330	2·7	320	2·0	90	1·6
17	340	3·4	340	1·7	320	1·3	330	2·1	320	2·7	320	3·0	320	3·1	330	4·0	330	4·1	330	3·4	320	3·2	310	4·0
18	140	2·2	150	1·7	140	1·2	120	1·7	120	2·0	120	2·5	140	2·5	130	2·7	110	2·7	110	3·3	110	3·4	110	3·3
19	190	0·7	190	2·2	200	1·7	200	0·3	200	0·5	220	1·0	---	0·0	160	1·6	170	4·8	160	5·7	160	5·6	160	6·1
20	150	5·0	160	4·7	150	3·7	140	4·7	140	5·0	140	5·0	140	5·2	150	5·1	150	6·0	160	4·7	160	3·6	170	5·0
21	190	0·3	200	0·6	160	0·7	170	1·6	160	1·6	160	2·1	180	5·2	180	6·6	160	5·2	170	5·7	170	6·4	180	6·7
22	190	1·9	180	0·7	120	0·6	170	0·3	180	2·9	180	3·8	170	2·0	160	2·8	180	3·9	180	4·7	170	5·2	170	4·4
23	40	0·3	360	0·6	360	1·1	350	0·7	340	2·7	330	2·1	330	2·4	350	2·3	340	1·7	60	1·3	80	1·1	90	0·8
24	340	1·3	340	0·8	350	0·8	30	0·6	330	2·3	330	3·5	320	4·4	310	4·0	320	3·3	60	2·3	50	2·5	60	2·3
25	320	3·7	310	4·0	310	4·3	310	4·8	310	4·7	310	4·6	320	4·1	320	3·7	320	4·4	320	3·8	320	3·2	330	2·3
26	320	1·5	340	0·7	100	0·4	---	0·0	320	0·1	---	0·0	30	0·2	110	0·6	100	0·2	110	1·2	120	2·6	160	1·8
27	190	1·1	180	2·3	200	1·8	190	1·2	180	1·5	180	1·8	180	2·9	180	4·7	180	4·8	180	5·4	180	5·7	170	4·6
28	260	0·1	200	0·4	210	1·1	200	0·6	220	2·0	220	1·8	250	2·1	260	2·3	290	5·1	320	5·0	310	4·1	330	1·2
29	---	0·0	---	0·0	300	0·1	200	0·3	190	1·1	180	1·3	180	2·8	170	2·3	170	4·1	170	4·7	170	5·9	170	7·0
30	120	0·1	300	0·1	190	0·5	170	0·5	200	0·7	220	0·2	300	0·1	50	0·6	20	0·6	50	1·2	90	0·3	40	2·7
Mean	---	1·9	---	1·8	---	1·7	---	1·8	---	2·2	---	2·4	---	2·7	---	3·0	---	3·2	---	3·4	---	3·6	---	3·9
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	

Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h (height of anemometer above ground) = 24 metres + 13 metres

MAY, 1935

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	8·1	170	8·3	170	8·1	170	8·1	180	6·6	180	5·7	170	5·4	170	4·2	180	4·3	190	3·4	190	3·1	190	2·0	5·3	1
170	4·4	180	5·0	170	5·1	180	4·1	180	3·9	180	3·5	190	3·9	200	4·4	200	3·7	190	0·9	210	0·6	200	0·2	2·4	2
150	3·0	170	2·6	170	2·6	170	3·3	170	3·0	170	2·9	170	1·8	180	2·3	180	2·2	190	0·5	190	0·3	---	0·0	1·5	3
170	5·4	170	5·7	160	4·8	170	4·8	170	5·1	170	5·3	170	5·1	170	5·3	170	4·7	170	4·4	170	3·2	170	2·7	3·2	4
110	2·5	100	3·0	120	3·2	110	3·3	120	2·6	90	1·4	350	0·5	360	0·2	330	1·2	310	3·6	310	2·2	300	2·0	1·7	5
100	2·7	100	2·7	110	2·5	120	2·4	120	2·2	150	1·9	160	1·6	170	1·1	140	0·2	350	0·1	340	0·5	320	0·4	1·8	6
350	4·6	360	3·6	360	4·0	340	4·2	360	3·4	40	2·5	30	2·6	360	1·2	350	0·5	310	0·7	310	1·2	310	1·0	2·9	7
110	2·7	110	2·6	110	2·0	100	1·7	90	2·0	80	1·6	40	0·7	40	0·7	10	0·5	30	1·9	350	1·3	350	0·6	1·6	8
70	3·2	70	3·0	70	2·5	80	2·3	80	1·6	80	1·9	100	1·1	70	0·3	---	0·0	300	0·5	310	1·0	310	0·5	1·3	9
50	4·5	50	4·8	50	4·3	50	3·6	40	2·7	40	2·8	30	2·5	30	1·4	20	0·9	350	0·9	320	1·5	310	0·9	2·2	10
340	5·2	340	5·6	340	4·9	10	4·6	360	4·0	360	4·6	10	4·0	350	3·6	330	2·6	330	2·5	340	5·1	340	5·4	3·5	11
340	6·8	330	7·1	330	7·3	330	6·9	350	6·3	350	5·4	350	4·4	350	3·5	340	4·2	340	3·8	320	3·2	330	2·6	5·3	12
260	0·5	100	0·7	90	0·8	50	0·8	20	0·8	360	1·2	310	1·8	310	3·3	320	3·6	330	3·4	320	3·4	330	3·2	3·0	13
40	7·1	40	6·4	40	5·9	40	5·5	50	5·1	40	3·6	40	2·6	20	1·1	340	0·5	(320)	0·9	(310)	0·9	(300)	0·9	4·4	14
210	5·9	200	4·8	320	7·0	320	11·2	320	13·0	340	13·2	340	12·1	340	11·0	340	10·1	350	8·3	350	8·4	340	8·6	<u>6·9</u>	15
330	7·5	300	6·5	320	5·1	310	3·7	290	1·5	290	1·6	300	2·7	300	3·1	300	3·9	310	3·1	300	2·5	310	2·3	5·5	16
340	7·7	340	8·5	330	8·2	340	5·4	360	5·5	350	7·7	330	9·4	330	9·3	330	8·4	330	7·5	330	7·9	340	7·7	6·5	17
30	3·3	50	4·0	60	3·9	70	4·3	80	3·6	90	2·3	110	2·4	120	2·6	140	2·6	160	3·0	150	3·1	160	2·5	4·1	18
90	4·0	70	4·3	50	4·1	50	4·2	50	4·0	30	3·8	30	4·3	30	5·0	40	5·0	50	5·0	70	6·1	70	6·4	3·7	19
40	6·0	30	6·0	30	6·1	40	5·8	30	5·8	30	5·2	30	4·1	360	3·1	350	2·9	350	2·9	350	2·4	350	2·2	4·2	20
60	3·3	70	4·5	90	3·4	100	2·8	110	2·6	100	2·1	110	1·5	110	0·9	110	0·5	230	0·5	230	0·1	310	0·5	2·2	21
50	1·5	100	0·9	110	0·8	110	1·0	40	2·5	40	3·0	30	2·0	30	1·5	360	0·9	360	1·3	360	1·9	340	1·7	1·4	22
50	3·2	40	3·8	30	3·8	50	3·8	50	3·2	40	3·3	40	3·5	30	1·6	360	0·6	40	0·8	340	0·5	310	1·0	2·3	23
60	4·0	60	4·5	60	4·1	50	3·9	50	3·8	40	3·8	40	3·2	40	3·0	10	3·0	10	2·1	360	1·8	350	1·9	2·9	24
50	4·9	50	5·1	50	5·0	50	5·4	50	4·8	40	4·0	30	4·0	360	3·5	10	3·2	10	3·1	350	2·9	360	3·1	3·3	25
50	4·8	50	5·3	50	5·5	50	5·0	40	4·7	40	4·1	30	4·3	10	2·6	360	2·1	10	2·1	350	2·3	10	1·9	3·3	26
50	2·4	70	2·7	70	2·6	80	2·0	70	1·5	70	1·3	100	0·5	100	0·6	40	0·1	80	0·1	50	0·1	20	0·1	1·7	27
100	1·9	110	2·0	120	2·0	110	1·9	110	1·8	100	1·5	110	1·1	100	1·2	90	0·9	110	1·0	120	0·4	120	0·7	<u>1·0</u>	28
100	2·5	100	2·5	100	2·2	110	2·0	100	2·0	100	1·6	50	1·4	100	1·5	90	1·0	110	0·3	110	0·9	70	0·3	1·3	29
60	3·0	60	2·8	50	3·6	50	4·2	50	4·2	50	4·3	40	3·3	30	2·7	10	1·4	330	0·9	310	1·2	310	1·3	2·1	30
50	3·3	50	4·1	60	4·2	60	4·6	60	3·0	60	2·7	60	2·3	60	1·9	40	2·1	40	2·0	40	1·5	350	0·5	2·4	31
---	4·2	---	<u>4·3</u>	---	4·2	---	4·1	---	3·8	---	3·5	---	3·2	---	2·8	---	2·5	---	2·3	---	2·3	---	<u>2·1</u>	3·1	

JUNE, 1935

°	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	
70	2·2	70	1·5	80	1·5	100	1·9	90	2·0	80	1·9	70	1·5	90	1·9	100	1·5	80	1·6	90	1·5	110	1·6	1·5	1
120	3·5	110	3·9	120	4·0	120	3·4	120	3·4	110	3·2	120	2·9	110	2·7	100	2·2	110	2·3	120	2·6	100	2·5	2·5	2
70	3·1	80	2·8	70	2·5	80	2·3	90	2·1	90	1·6	90	1·6	100	1·7	100	1·8	100	1·0	100	1·5	90	1·6	2·2	3
90	3·9	90	4·0	90	3·5	80	3·7	80	3·4	70	4·3	70	4·1	70	3·4	70	3·6	60	4·5	60	3·6	60	4·2	3·3	4
40	5·7	40	6·1	40	5·8	40	5·9	40	5·7	40	5·6	40	4·9	40	4·3	30	4·2	30	4·5	30	4·1	40	4·4	<u>5·0</u>	5
110	2·6	120	3·2	150	4·4	160	3·3	150	4·4	130	3·0	130	2·1	140	2·6	140	3·6	140	3·5	140	3·5	140	4·4	3·0	6
180	4·2	180	4·5	180	5·0	160	4·7	170	6·1	180	3·2	180	3·0	180	2·9	180	3·1	210	2·4	210	2·0	230	3·0	3·8	7
290	7·2	300	6·7	300	6·4	300	6·3	300	7·6	310	6·2	310	5·2	310	3·6	330	1·7	300	1·2	280	1·6	280	0·5	4·3	8
170	7·1	170	7·3	170	7·7	170	6·9	160	5·9	160	4·1	170	4·0	170	4·1	170	3·5	170	1·2	170	1·7	170	3·1	3·7	9
120	5·3	120	5·2	110	4·4	110	4·4	110	5·1	90	3·7	80	3·7	90	2·8	90	3·0	100	3·0	110	1·9	90	0·6	3·3	10
160	6·8	150	8·0	150	7·4	140	7·0	150	7·1	160	6·5	150	5·8	150	5·8	160	5·9	170	5·8	160	6·1	170	6·4	4·3	11
210	5·6	180	5·5	170	6·3	180	5·4	180	5·5	180	4·2	190	3·0	210	1·5	210	2·0	220	2·0	210	2·2	210	1·4	3·9	12
220	3·8	190	4·3	170	5·2	300	2·1	100	2·3	90	2·0	120	1·2	110	0·2	130	1·0	200	0·6	220	1·6	230	1·5	2·6	13
100	3·6	110	3·8	100	2·7	110	2·3	140	3·4	150	2·6	150	3·1	140	2·1	150	3·2	170	1·6	120	1·7	160	0·7	2·1	14
110	2·3	170	2·7	200	2·2	190	2·1	170	1·6	120	2·4	160	3·0	170	2·3	200	2·3	200	1·7	220	1·3	250	0·8	1·3	15
110	2·6	170	3·1	160	2·5	170	1·6	190	2·4	210	1·6	300	0·1	300	1·4	310	2·2	350	1·3	340	1·1	330	1·9	1·8	16
320	3·3	330	2·3	120	3·3	140	2·7	110	2·0	130	2·1	140	1·7	110	2·1	120	2·5	130	1·9	140	1·7	150	2·1	2·7	17
110	3·3	110	3·7	110	3·2	110	3·1	110	3·2	130	2·1	130	1·6	130	1·7	160	1·7	160	1·3	170	0·8	170	0·6	2·3	18
160	6·3	160	6·6	160	5·2	160	6·9	170	6·4	160	6·7	160	4·9	150	3·5	160	4·2	160	4·3	160	3·4	160	4·4	3·9	19
180	5·6	180	5·6	170	2·5	180	3·2	160	3·3	180	3·5	210	2·3	200	1·1	220	1·6	260	1·3	250	1·4	250	0·2	3·7	20
180	6·0	190	5·3	190	6·0	210	3·9	180	5·2	170	6·4	180	4·3	160	1·0	210	1·3	180	0·5	200	0·6	200	1·5	3·5	21
170	4·0	150	4·1	170	5·6	170	5·2	160	5·5	170	4·2	170	2·6	180	3·2	180	4·7	200	2·8	170	1·5	200	0·3	3·2	22
100	0·8	100	1·5	100	2·2	90	1·6	60	1·2	30	0·6	40	1·6	30	1·4	20	0·7	40	1·0	360	0·2	10	0·3	1·3	23
70	1·6	90	1·3	50	1·3	60	1·5	60	2·1	40	1·6	30	1·1	330	1·9	350	1·5	330	2·4	320	3·7	320	3·7	2·2	24
40	2·1	50	1·9	40	1·8	40	1·5	60	2·0	30	2·1	40	0·6	20	0·7	30	0·8	50	0·1	20	0·2	330	1·4	2·6	25
160	3·6	170	4·1	180	2·5	170	2·4	170	2·1	160	2·3	170	3·7	180	3·0	180	2·3	180	1·1	200	1·2	210	0·6	1·6	26
160	2·9	190	3·6	210	3·7	210	3·0	210	4·5	250	4·8	250	2·6	250	2·3	270	1·6	210	0·2	250	1·4	210	0·2	2·9	27
130	2·8	130	4·1	130	4·5	120	3·6	120	3·2	110	1·9	80	1·6	70	1·0	70	0·4	50	0·1	---	0·0	---	0·0	2·0	28
170	5·7	170	6·2	160	5·7	170	6·1	170	5·4	180	5·0	180	4·2	180	3·5	190	3·2	190	1·3	190	0·9	210	1·0	3·2	29
40	1·9	60	1·3	60	1·9	80	1·8	90	1·4	90	1·1	100	0·4	100	0·1	---	0·0	80	0·1	100	0·4	---	0·0	<u>0·7</u>	30
---	4·0	---	<u>4·1</u>	---	4·0	---	3·7	---	3·9	---	3·3	---	2·7	---	2·3	---	2·4	---	1·9	---	1·8	---	1·8	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	Day

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 from Jan. 1935 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	---	0·0	170	0·1	---	0·0	---	0·0	170	0·1	110	0·5	110	0·5	120	0·9	110	0·8	110	0·9	110	0·5	100	0·1
2	130	0·4	300	0·1	210	0·2	210	0·7	210	0·2	---	0·0	---	0·0	110	0·2	100	0·1	40	0·1	250	1·5	300	1·1
3	290	2·4	280	2·2	260	1·0	300	1·4	290	1·7	280	1·4	270	3·5	280	3·6	280	2·6	160	3·6	170	5·2	150	5·1
4	210	1·9	210	0·9	210	1·7	220	2·5	210	1·0	260	5·0	260	8·7	260	6·5	270	8·2	270	8·6	280	9·1	280	9·1
5	260	3·4	270	2·7	270	3·6	270	2·0	240	2·1	270	3·5	280	4·3	280	6·9	290	9·3	290	7·2	290	7·7	290	7·0
6	290	3·5	290	4·0	280	4·2	290	3·3	290	3·3	290	3·6	300	5·6	320	5·0	290	3·8	300	4·0	330	3·7	330	3·6
7	---	0·0	310	0·1	---	0·0	310	0·6	310	0·6	---	0·0	200	0·1	80	0·2	90	0·5	160	1·5	150	2·2	160	3·6
8	190	2·1	190	1·5	---	0·0	---	0·0	170	0·1	180	0·7	180	0·9	170	1·6	170	2·0	160	3·2	160	3·4	170	4·8
9	180	3·2	170	3·0	170	3·4	170	1·6	170	1·9	170	1·4	170	2·2	170	1·6	160	1·2	130	1·8	160	3·0	160	4·8
10	180	0·7	180	0·5	180	1·6	190	1·8	170	3·0	190	3·8	200	5·0	200	5·8	190	3·4	200	2·6	210	3·0	200	2·0
11	---	0·0	---	0·0	---	0·0	---	0·0	250	0·6	270	0·6	300	1·7	310	2·5	30	1·7	100	1·7	90	(2·2)	100	(3·1)
12	200	2·7	190	2·5	190	1·3	190	1·2	190	1·9	180	2·5	190	3·7	180	4·2	180	4·7	190	5·0	170	5·6	180	6·4
13	180	4·3	180	5·0	190	3·3	190	2·5	180	2·5	170	1·6	170	1·4	120	1·0	170	3·2	160	2·6	180	3·1	170	3·7
14	---	0·0	350	2·5	340	3·4	330	3·6	330	4·1	330	4·6	320	5·0	330	4·9	330	4·2	330	3·6	330	3·5	340	4·5
15	320	1·4	320	1·0	150	0·6	170	0·8	190	0·7	220	0·5	30	0·4	100	0·5	110	0·4	170	2·0	180	3·4	180	4·6
16	250	1·2	260	1·2	230	2·0	230	1·7	220	0·6	210	0·7	150	0·5	190	1·0	160	1·8	170	2·0	40	2·0	280	1·8
17	320	1·5	300	1·0	300	1·7	290	2·4	290	1·1	280	2·5	290	3·2	290	3·6	290	3·7	280	2·3	290	1·4	130	2·0
18	270	0·9	280	0·4	280	0·4	290	0·9	270	0·4	240	0·5	270	0·9	240	2·0	270	2·2	240	1·8	220	2·7	50	2·4
19	300	1·4	310	1·6	280	0·7	300	2·2	310	2·4	320	1·0	230	1·1	260	1·3	320	1·0	140	2·6	170	4·0	150	4·0
20	130	3·4	100	3·7	120	2·1	190	1·8	200	1·3	220	3·3	240	2·6	250	3·0	270	4.0	290	5·2	290	6·6	300	6·7
21	290	7·6	290	7·3	290	8·0	290	7·8	290	7·7	290	8·5	290	8·6	300	8·9	300	7·4	310	8·5	310	9·0	310	7·2
22	300	1·1	300	1·4	310	0·7	310	1·4	290	0·6	210	1·3	190	2·1	180	3·8	180	3·7	190	4·1	180	4·0	200	3·8
23	210	3·3	200	2·7	190	2·0	190	2·1	180	2·3	200	3·0	200	4·1	190	5·0	190	4·1	170	4·0	150	4·0	220	5·2
24	300	1·5	290	2·9	290	2·0	250	0·7	290	0·3	230	1·0	230	1·6	230	1·7	290	3·5	300	3·7	320	3·0	140	2·6
25	270	2·5	260	2·0	280	1·0	220	1·1	240	1·0	220	1·5	220	1·5	260	1·1	210	1·4	260	1·6	250	1·8	300	3·1
26	320	2·7	320	1·9	320	1·2	270	1·3	240	1·0	260	1·2	270	1·6	280	2·9	300	2·6	310	1·9	290	2·5	170	4·9
27	210	5·4	210	2·6	210	3·3	210	2·4	220	2·4	190	2·8	170	2·2	150	2·4	230	3·3	230	3·3	200	3·1	210	2·0
28	250	3·2	250	3·7	240	2·7	260	4·3	270	5·0	280	6·1	280	8·5	290	8·5	290	8·3	300	9·3	290	6·8	300	6·6
29	300	5·7	300	6·1	300	5·3	310	5·3	310	6·3	310	6·2	310	6·9	310	6·8	320	7·5	320	7·1	320	8·8	320	8·2
30	320	5·7	320	4·7	320	4·0	320	4·4	310	4·2	310	5·0	320	6·2	320	6·5	330	6·9	340	7·1	340	6·6	330	6·4
31	320	1·1	310	0·6	310	0·5	300	0·4	320	0·5	210	0·3	200	0·5	200	0·9	210	1·4	190	1·1	170	1·9	170	3·6
Mean	---	2·4	---	2·3	---	2·0	---	2·0	---	2·0	---	2·4	---	3·1	---	3·4	---	3·5	---	3·7	---	4·0	---	4·3

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	320	0·8	310	1·1	300	1·2	290	1·2	290	1·7	300	1·2	310	1·5	320	1·1	320	0·9	100	1·1	110	2·2	120	2·8
2	320	1·9	320	2·0	320	1·0	320	1·4	320	1·5	320	1·7	320	2·2	320	3·2	330	2·8	330	1·7	340	1·3	120	2·7
3	(270)	1·4	---	...	(290)	0·9	(290)	0·8	---	...	290	1·2	320	1·5	310	3·1	320	2·2	240	1·8	110	3·8	130	4·6
4	230	0·5	240	0·3	200	0·7	210	1·1	180	0·3	110	0·4	240	0·3	350	0·3	300	0·7	270	1·8	260	1·0	300	2·0
5	230	2·0	240	1·8	310	0·6	300	1·1	290	0·6	260	0·3	310	0·3	110	0·4	110	0·5	100	1·1	110	1·3	120	2·0
6	300	1·1	310	1·1	320	1·0	320	1·7	320	1·1	320	0·9	330	0·7	100	0·9	110	1·8	110	2·6	150	3·5	160	4·0
7	320	0·3	320	0·4	260	0·5	310	0·1	220	0·4	250	0·1	---	0·0	50	0·2	90	0·6	80	1·3	120	2·8	150	3·7
8	190	0·3	260	0·6	---	0·0	230	0·3	220	0·4	150	0·7	210	1·2	210	2·2	200	2·0	180	2·2	340	0·7	40	0·9
9	330	0·1	310	0·3	320	0·1	310	0·7	310	0·3	310	0·5	330	0·4	310	0·5	200	0·8	160	1·2	170	2·5	170	4·1
10	220	3·3	210	2·6	200	2·9	200	2·0	190	2·6	170	2·6	210	1·0	210	2·9	220	3·5	220	5·1	210	7·1	210	6·4
11	210	0·1	80	0·3	310	0·5	230	4·1	220	6·0	230	5·5	220	6·9	220	6·4	310	4·8	330	6·0	340	5·5	330	4·6
12	300	2·3	310	2·3	320	2·8	310	3·0	310	1·9	310	1·9	310	2·9	310	4·1	320	6·0	320	5·8	320	6·2	330	6·1
13	270	1·4	300	1·9	280	2·0	300	2·0	300	2·1	240	1·7	240	2·9	240	3·4	250	3·1	280	3·2	270	2·6	290	2·3
14	---	0·0	260	0·1	230	0·8	220	1·2	240	1·7	270	2·0	260	2·0	270	2·0	290	2·3	290	1·9	270	0·9	100	0·5
15	330	1·6	320	0·7	300	0·9	310	0·5	250	0·5	250	0·4	260	0·7	280	0·9	270	2·1	290	2·3	260	2·0	230	2·2
16	260	0·4	270	0·4	270	0·2	---	...	250	0·9	260	0·8	260	0·5	330	0·2	170	0·4	110	1·5	120	3·0	120	3·4
17	160	0·7	150	1·3	150	1·4	150	1·9	150	1·9	140	2·3	130	2·9	130	3·4	140	3·6	150	4·9	150	5·5	150	4·7
18	150	3·6	150	2·7	160	2·5	160	2·2	160	2·5	180	2·1	180	2·6	190	2·0	170	2·3	170	3·0	130	2·3	160	3·3
19	170	0·2	340	0·2	330	0·4	(30)	0·1	---	0·0	---	0·0	300	0·1	320	0·1	310	0·1	110	1·4	110	2·0	130	2·3
20	200	1·0	220	3·0	200	1·8	200	1·4	210	2·7	210	3·6	180	2·8	170	2·7	180	3·5	190	4·6	170	4·9	150	4·9
21	180	4·0	180	2·6	180	2·3	180	4·4	180	4·1	180	4·2	180	3·6	180	2·4	160	3·0	150	3·8	160	7·1	170	7·6
22	230	1·9	210	1·3	260	1·0	300	0·8	120	0·4	300	0·8	310	0·4	170	0·9	170	2·7	160	3·4	150	3·9	130	3·8
23	100	0·2	190	0·1	190	0·4	200	1·1	210	1·3	220	0·3	100	0·2	230	0·5	210	1·0	100	1·1	110	1·8	120	2·5
24	60	0·2	50	0·3	320	0·6	340	0·8	340	0·6	320	0·8	320	0·9	330	0·4	100	0·4	90	1·9	100	1·6	100	1·7
25	330	2·0	330	1·6	340	2·0	330	2·0	320	1·7	310	0·9	320	1·0	340	1·5	340	1·6	350	1·6	70	1·5	100	1·6
26	200	3·5	200	3·5	190	5·3	200	5·5	180	5·7	200	6·2	200	6·8	220	5·1	210	5·6	210	5·0	210	3·2	290	3·7
27	350	3·5	340	4·7	340	5·3	310	5·4	310	4·3	310	3·6	310	3·3	300	3·4	290	3·3	320	3·6	330	3·2	330	2·9
28	310	1·7	310	1·9	310	2·2	310	1·9	310	2·0	310	2·1	310	2·3	320	3·4	330	4·5	330	6·0	330	7·3	330	7·4
29	220	4·6	210	4·9	200	5·1	180	4·0	170	5·6	160	5·0	170	4·6	190	3·9	190	4·1	140	4·4	140	4·2	120	3·6
30	250	3·2	250	3·8	230	2·7	250	4·6	250	3·8	190	1·5	200	3·4	200	3·0	190	3·8	210	2·7	180	3·5	170	4·2
31	180	2·9	170	2·3	180	2·0	170	1·8	160	2·5	180	1·1	180	0·4	180	1·8	180	1·8	170	1·7	160	1·5	170	2.2
Mean	---	1·6	---	1·6	---	1·6	---	1·9	---	2·0	---	1·8	---	1·9	---	2·1	---	2·4	---	2·9	---	3·2	---	3·5
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) = 24 metres + 13 metres

JULY, 1935

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	
100	0·2	100	0·6	160	1·2	170	2·0	160	1·8	160	2·1	160	1·9	220	0·9	160	3·0	170	0·6	160	0·8	150	1·0	1·4	1
100	1·2	130	0·8	120	0·8	40	0·6	40	0·2	30	0·1	---	0·0	100	0·1	---	0·0	300	0·1	280	1·4	290	0·7	0·4	2
150	6·3	150	6·6	180	6·5	200	6·4	210	5·6	210	4·0	200	2·5	200	4·6	170	3·1	190	4·8	200	5·3	200	4·6	3·9	3
280	9·2	280	7·6	270	6·6	280	8·0	280	8·1	270	7·2	280	7·1	270	5·4	270	4·2	270	2·8	270	3·1	270	3·6	5·7	4
300	7·5	310	6·6	320	7·4	310	7·6	310	5·7	310	7·2	310	5·1	300	4·3	310	3·3	290	3·3	290	4·2	310	2·3	5·2	5
320	4·5	320	4·0	330	4·5	330	4·4	340	2·8	350	2·4	160	2·3	190	0·5	350	0·3	350	0·2	---	0·0	---	0·0	3·1	6
160	3·6	160	4·3	170	4·4	170	3·7	170	5·0	180	5·4	180	4·3	180	3·9	180	3·7	190	4·1	200	3·8	200	3·1	2·4	7
170	5·0	170	5·0	180	5·2	180	5·6	180	6·3	180	6·9	180	5·0	190	3·3	180	3·4	190	2·5	180	3·2	190	2·4	3·1	8
160	4·5	170	5·2	180	5·5	170	6·8	180	6·4	180	5·5	180	5·6	180	5·3	180	3·8	160	1·7	180	1·6	150	0·3	3·4	9
180	3·3	210	4·5	210	3·3	220	2·5	340	1·6	350	2·1	340	1·8	350	0·5	50	1·0	30	1·1	20	1·3	360	0·4	2·4	10
120	3·2	120	3·8	120	4·1	130	4·7	140	4·0	140	4·3	140	4·0	150	3·2	160	3·1	170	2·6	180	2·2	190	2·2	2·3	11
170	6·5	170	7·5	170	6·7	170	5·5	170	5·5	170	6·1	170	6·5	170	3·7	170	5·0	180	5·5	180	5·0	180	5·4	4·6	12
180	4·0	180	3·6	180	4·2	180	5·2	200	4·3	180	3·2	190	1·5	240	1·7	270	2·8	360	1·3	20	0·9	---	0·0	2·8	13
340	4·4	350	3·5	40	3·4	60	3·4	50	3·7	60	3·3	60	3·3	50	2·0	70	1·2	---	0·0	310	0·2	310	0·9	3·1	14
180	4·8	180	4·5	180	3·9	190	4·0	230	2·7	240	1·6	280	2·1	290	1·6	250	1·7	260	1·7	210	0·7	240	1·2	1·9	15
240	3·4	310	2·5	40	1·5	50	1·3	50	1·6	50	2·4	60	1·6	10	1·0	330	0·2	330	0·7	310	1·6	310	2·1	1·5	16
220	0·6	40	1·9	20	2·4	40	2·0	340	1·9	360	1·1	130	1·0	200	1·0	310	0·6	200	0·5	220	1·3	250	0·9	1·6	17
120	3·0	260	1·8	40	1·7	130	2·5	120	0·9	240	1·4	330	0·7	240	1·5	200	1·4	230	1·6	260	1·3	260	2·2	1·5	18
150	4·6	150	5·0	170	5·5	170	6·4	170	5·6	160	4·1	160	4·0	150	3·6	150	3·3	140	3·3	140	3·3	130	3·7	3·1	19
300	7·7	300	7·3	300	6·7	300	6·0	300	7·2	300	7·3	300	7·0	300	6·8	300	7·0	290	6·4	290	6·0	290	6·6	5·2	20
320	7·3	320	8·1	320	8·6	320	7·3	320	6·7	330	6·3	340	5·1	340	4·0	330	1·6	330	1·7	280	1·5	260	1·0	6·5	21
190	4·5	170	5·5	180	4·4	210	4·6	190	4·3	230	4·1	210	3·3	240	2·3	200	2·6	190	2·6	200	2·7	210	3·2	3·0	22
230	5·5	240	4·4	230	4·4	220	3·3	240	3·5	250	3·0	300	4·7	300	4·0	100	1·0	150	0·8	340	0·5	320	1·1	3·3	23
130	3·4	160	3·4	160	4·4	180	5·1	180	5·6	180	5·0	180	5·5	180	4·0	190	3·4	220	1·0	310	1·5	290	1·5	2·6	24
280	3·5	300	4·7	290	5·3	300	5·6	280	3·5	260	3·0	270	3·3	260	1·6	230	1·3	240	1·8	250	2·4	330	2·7	2·4	25
160	6·3	170	7·2	180	7·0	180	8·1	190	7·5	200	6·5	200	5·0	190	4·1	210	3·7	210	4·0	210	4·0	200	4·6	3·9	26
190	2·0	180	1·1	220	2·3	260	3·4	230	4·0	280	5·4	270	6·5	270	6·6	260	4·1	260	3·1	260	4·8	270	4·5	3·5	27
290	6·9	300	6·8	310	7·8	310	8·1	310	7·3	310	7·5	300	5·5	310	6·3	300	5·4	310	4·4	300	5·5	290	6·1	6·3	28
330	8·2	320	7·5	330	7·6	330	8·6	330	7·9	330	6·8	330	6·9	320	5·0	320	4·3	310	3·3	300	4·0	310	5·6	6·5	29
330	7·0	330	7·0	330	6·5	340	5·5	350	4·9	350	4·4	350	3·5	360	1·0	340	1·6	330	0·9	240	0·5	310	1·2	4·7	30
170	4·6	170	4·8	170	5·0	160	5·0	170	4·6	180	4·4	180	4·2	180	3·6	190	3·1	190	2·5	180	1·3	200	0·6	2·4	31
---	4·7	---	4·7	---	4·8	---	5·0	---	4·6	---	4·3	---	3·9	---	3·1	---	2·7	---	2·3	---	2·4	---	2·4	3·3	

AUGUST, 1935

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	2·9	140	2·9	130	2·3	130	2·2	130	1·7	50	1·2	40	0·6	340	2·4	340	3·1	340	2·3	330	2·1	330	1·6	1·8	1
120	2·6	130	1·9	170	2·1	170	2·3	180	2·7	180	2·3	210	2·0	210	2·0	210	1·5	220	1·0	290	1·0	(290)	1·2	1·9	2
170	4·9	160	5·8	190	6·0	180	5·8	180	5·1	190	3·9	200	2·6	220	1·4	220	0·2	330	0·1	---	0·0	220	0·1	2·4	3
290	1·7	80	1·4	40	1·1	50	1·0	250	0·9	(250)	2·3	230	4·3	220	3·4	220	3·0	240	4·5	240	3·4	250	4·1	1·7	4
120	3·1	130	3·7	120	3·5	90	1·8	80	1·0	60	1·0	40	0·5	340	0·5	10	0·9	350	0·2	330	0·7	330	0·7	1·2	5
160	5·5	170	4·8	190	4·4	180	3·6	190	3·1	180	1·9	160	1·5	120	0·9	120	0·4	320	0·2	320	0·9	330	0·5	2·0	6
140	3·8	120	4·0	120	4·1	110	3·0	40	1·7	10	1·7	360	1·3	310	1·8	310	1·7	310	1·4	300	0·1	---	0·0	1·5	7
80	0·8	30	2·5	10	2·3	20	2·6	20	1·9	20	1·7	40	1·6	40	2·0	30	1·5	20	0·9	360	0·3	330	0·1	1·2	8
190	5·1	170	5·2	180	5·5	180	5·3	180	2·7	120	0·9	100	0·1	260	2·1	240	1·1	240	2·4	230	2·7	220	3·4	2·0	9
210	7·1	210	9·4	220	8·0	210	8·0	220	8·6	220	8·0	220	5·4	230	6·0	230	5·7	230	3·5	230	3·2	230	2·5	4·9	10
330	3·9	340	2·3	80	3·3	110	2·6	120	2·3	130	1·6	50	0·6	50	0·6	310	0·5	330	1·0	350	1·5	330	1·9	3·0	11
330	6·1	350	6·2	350	5·6	350	5·8	340	5·4	350	4·0	340	3·4	320	1·2	320	1·0	300	1·9	300	1·2	290	1·1	3·7	12
280	1·5	220	1·0	300	2·5	300	4·1	300	4·4	310	4·1	280	1·6	300	1·0	320	0·1	---	0·0	320	0·9	280	0·6	2·1	13
270	0·9	100	1·0	170	1·3	170	1·4	180	2·5	180	2·3	180	1·9	---	0·0	340	0·1	310	1·0	350	0·2	310	0·6	1·2	14
190	2·9	190	3·1	190	3·2	180	2·2	190	1·6	200	1·0	30	1·7	30	1·9	40	1·4	90	0·5	100	0·2	---	0·0	1·4	15
120	3·5	120	4·0	120	3·7	140	3·1	140	3·1	140	2·7	140	2·0	150	1·9	150	1·7	150	1·2	160	0·9	170	0·5	1·7	16
160	5·1	150	4·0	150	4·0	160	3·1	150	4·4	150	4·0	150	2·9	160	2·9	150	2·7	150	2·8	150	2·7	150	3·6	3·2	17
160	3·6	170	3·7	160	3·8	170	4·7	170	4·3	190	5·2	190	4·0	180	2·3	120	1·2	160	1·1	170	0·9	180	0·5	2·8	18
130	3·1	110	3·4	180	5·0	170	5·3	190	3·9	200	4·4	210	3·3	220	2·3	240	0·7	---	0·0	210	1·0	170	0·9	1·7	19
150	6·0	170	6·1	180	6·0	180	6·1	180	6·2	180	5·4	190	6·0	180	4·3	180	2·7	190	2·8	180	3·4	170	3·6	4·0	20
170	7·9	170	7·7	170	7·1	180	6·7	210	5·4	220	5·9	240	3·8	260	2·1	240	1·2	220	1·4	220	1·3	250	1·4	4·2	21
100	2·7	110	3·1	120	2·9	130	2·5	110	1·5	100	1·0	70	0·9	70	0·4	30	0·1	330	0·3	300	0·6	280	0·2	1·6	22
110	2·6	120	2·7	110	2·8	160	2·1	150	3·0	160	1·3	180	1·9	170	0·6	230	0·1	---	0·0	40	0·1	320	0·1	1·2	23
100	1·6	100	1·7	110	2·6	120	1·8	80	0·5	90	0·3	70	0·1	340	2·7	330	3·8	330	3·2	340	1·7	340	2·0	1·3	24
110	2·0	120	2·4	110	1·0	120	1·1	140	1·5	160	2·2	160	2·4	160	2·5	200	1·1	180	1·8	180	3·0	200	2·7	1·8	25
290	3·7	300	2·7	100	2·3	120	3·8	110	3·3	110	3·7	100	3·3	100	3·6	110	3·3	90	3·2	70	4·4	40	4·5	4·2	26
350	2·5	350	1·6	350	1·0	90	1·6	70	1·9	70	2·6	60	2·3	360	1·7	350	1·6	330	1·1	320	1·4	310	1·6	2·8	27
330	7·9	320	7·5	310	7·7	310	7·2	310	7·8	300	7·6	300	4·6	300	4·6	280	6·7	280	6·3	270	5·5	240	4·5	5·0	28
120	3·4	120	2·6	120	2·2	100	1·6	120	0·4	60	0·4	280	0·5	250	0·3	280	1·5	290	2·5	280	2·8	250	1·9	3·1	29
170	4·0	170	4·3	170	4·5	170	4·1	170	3·3	180	3·5	170	2·9	180	3·1	170	3·6	170	3·5	180	3·0	180	2·7	3·4	30
180	3·3	180	3·0	190	2·8	220	3·0	210	2·1	210	2·0	220	2·0	220	1·8	230	2·0	210	2·0	220	1·0	220	1·5	2·0	31
---	3·7	---	3·7	---	3·7	---	3·5	---	3·2	---	2·9	---	2·3	---	2·1	---	1·8	---	1·7	---	1·7	---	1·6	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	Day

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 from Jan. 1935 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	0	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	220	1·0	220	0·4	220	1·0	220	1·1	220	0·5	190	0·7	220	0·6	210	0·5	210	1·8	210	2·2	190	3·5	180	5·1
2	130	4·9	120	5·3	120	6·5	120	6·4	120	5·8	120	6·6	120	6·7	140	2·9	150	2·4	140	3·8	160	4·2	170	4·8
3	250	1·5	260	4·9	250	3·0	260	1·1	210	2·1	200	2·6	210	1·1	190	1·5	210	2·1	210	4·6	220	4·5	220	5·0
4	210	2·0	190	2·0	210	2·5	220	3·1	210	3·1	210	2·6	220	3·2	230	2·8	250	4·5	240	5·0	230	4·2	240	4·4
5	320	2·6	310	2·6	310	2·0	300	3·0	300	2·5	300	2·5	290	3·2	300	3·8	300	4·9	310	5·3	300	5·4	310	4·6
6	290	3·8	290	4·2	310	5·5	300	5·6	300	4·9	300	4·7	310	5·5	310	6·9	320	7·4	310	7·0	320	6·8	310	6·9
7	280	2·8	300	3·9	270	2·5	300	3·2	290	3·2	290	3·1	300	3·3	300	3·4	320	4·0	330	5·2	340	5·5	340	5·4
8	310	1·1	310	1·4	310	1·4	310	1·4	310	1·0	310	1·1	300	1·4	300	1·3	280	1·5	300	1·0	50	1·0	80	1·6
9	320	1·5	310	1·4	310	1·2	310	1·6	300	1·4	310	1·0	310	0·7	320	0·7	330	0·6	350	1·3	80	1·6	90	1·9
10	170	2·1	180	2·3	170	2·1	200	2·1	190	1·6	210	1·6	200	2·1	200	2·9	190	3·3	180	4·1	180	4·8	170	4·5
11	200	3·0	200	3·5	210	3·5	210	2·3	200	3·0	200	3·0	190	2·0	210	2·7	210	3·7	200	3·9	210	4·3	210	4·9
12	210	1·6	220	0·9	220	0·1	200	0·3	---	0·0	---	0·0	---	0·0	170	0·8	210	0·6	170	1·3	170	1·7	130	1·5
13	170	3·6	170	3·5	170	4·4	180	4·8	200	5·3	210	4·3	210	3·9	200	3·9	210	5·5	220	4·5	210	5·3	210	6·0
14	190	6·3	190	5·7	180	6·1	180	4·9	180	5·5	170	3·8	180	5·1	180	7·0	190	6·8	210	5·4	200	5·8	180	5·5
15	230	3·9	200	3·3	190	3·7	200	3·8	200	3·3	200	2·8	190	5·0	180	6·0	170	6·6	160	6·8	160	6·9	170	8·0
16	200	2·0	210	2·7	200	1·8	200	3·0	200	3·7	180	2·4	200	3·0	200	2·6	210	3·4	210	3·1	220	4·2	220	4·6
17	130	6·2	100	5·3	80	7·7	130	6·1	120	2·2	10	1·4	330	1·6	310	1·5	310	2·9	290	2·9	300	4·0	300	4·5
18	270	4·1	280	3·4	220	1·2	230	1·4	250	2·9	260	3·1	220	1·6	240	1·7	240	2·2	270	5·1	280	7·2	290	6·6
19	160	7·3	160	8·8	160	9·8	160	9·6	170	8·2	200	5·7	220	6·8	240	6·4	240	5·5	230	5·3	230	7·4	230	7·5
20	250	6·8	260	8·4	270	7·0	270	6·4	270	6·0	270	5·5	280	5·6	280	3·2	280	5·6	280	5·5	290	5·3	250	4·6
21	270	0·6	230	1·2	220	1·7	240	2·1	150	0·4	160	1·1	210	2·2	240	3·0	250	3·4	240	3·0	240	2·2	170	1·2
22	180	1·0	180	0·5	170	0·2	140	0·2	100	0·6	110	1·6	80	1·9	90	2·1	80	2·6	50	2·8	10	2·0	350	2·9
23	300	4·6	300	4·7	300	4·0	300	4·2	300	5·8	310	5·3	300	6·6	290	6·2	300	6·4	300	6·7	300	7·0	300	7·1
24	280	3·1	290	3·3	290	4·0	290	1·4	270	1·7	240	1·5	260	1·1	280	3·2	290	2·7	310	3·5	320	2·7	320	1·5
25	310	3·0	310	3·5	310	3·7	320	4·0	310	3·4	320	3·5	310	3·6	310	3·5	340	3·1	320	5·8	340	5·1	320	6·1
26	300	2·0	290	2·1	300	2·3	300	2·5	300	1·8	240	0·9	280	0·7	310	1·0	300	0·9	210	1·3	180	2·8	170	4·1
27	180	4·7	190	2·9	200	2·6	210	1·5	210	0·6	220	0·4	220	0·6	200	0·5	240	0·2	180	1·4	190	1·7	170	2·6
28	230	0·5	170	0·2	210	1·6	200	2·6	200	2·7	180	2·0	200	1·0	140	0·6	190	0·9	160	1·1	120	1·4	120	1·7
29	220	0·6	220	1·6	210	1·5	210	0·8	210	2·1	190	1·9	200	2·2	210	2·6	210	3·2	220	3·9	220	3·8	220	3·6
30	180	5·8	180	5·1	180	4·1	210	2·5	220	1·5	240	1·4	300	0·7	230	0·8	230	0·5	210	0·6	300	1·0	240	0·6
Mean	---	3·1	---	3·3	---	3·3	---	3·1	---	2·9	---	2·6	---	2·8	---	2·9	---	3·3	---	3·8	---	4·1	---	4·3

148. 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	210	1·8	220	1·4	210	1·1	310	0·7	300	1·4	310	1·0	310	1·4	300	2·6	310	3·1	310	2·0	330	4·1	340	3·9
2	310	1·9	310	1·6	310	0·6	310	1·4	310	1·2	300	1·4	300	0·6	280	0·2	180	1·2	180	2·5	180	3·6	170	4·1
3	120	7·4	110	6·8	100	6·4	90	6·5	90	6·5	90	6·8	80	7·8	80	8·2	80	7·5	70	7·4	60	6·8	50	7·3
4	350	3·7	350	3·6	10	2·1	350	3·4	340	3·4	310	1·9	280	1·1	230	0·4	130	0·4	140	1·5	140	2·2	130	3·0
5	350	(3·0)	350	(3·5)	350	(3·6)	340	(3·8)	360	(4·7)	360	(4·5)	350	(3·9)	350	4·5	350	4·7	360	4·0	350	5·1	340	5·6
6	310	3·9	310	3·0	310	1·9	320	2·0	340	3·6	350	4·2	350	4·8	350	5·0	340	5·3	340	4·8	340	5·0	340	3·9
7	300	3·5	300	2·9	280	2·5	300	2·2	300	2·0	300	0·6	300	0·6	250	0·4	200	0·2	190	0·5	210	1·5	210	3·1
8	200	5·6	190	7·1	190	6·2	190	6·0	190	6·3	190	5·4	220	1·7	200	2·7	220	2·4	220	2·6	230	2·6	230	3·3
9	240	2·0	230	1·9	260	1·7	230	1·8	230	2·1	220	2·6	230	2·1	230	2·9	210	2·9	210	2·8	230	5·3	210	4·8
10	280	1·7	320	0·9	320	1·3	330	0·8	340	0·3	270	2·0	280	3·3	260	2·1	260	4·0	250	5·7	250	(4·7)	260	(4·3)
11	220	3·2	200	1·0	190	1·0	180	0·9	220	2·3	210	1·7	190	1·5	190	1·9	180	3·0	210	2·5	240	2·5	280	4·9
12	280	5·0	280	3·5	300	2·8	240	3·8	240	3·0	220	2·5	180	1·6	200	1·1	210	2·3	190	2·1	190	3·6	190	3·8
13	220	4·0	220	3·7	210	3·2	200	3·0	190	2·7	210	3·2	200	2·2	220	3·3	230	3·7	220	2·9	230	3·1	220	4·8
14	210	6·0	230	4·8	240	4·9	240	5·4	220	3·8	250	3·9	250	2·5	220	1·8	250	3·1	220	3·0	210	3·7	250	3·7
15	200	3·1	170	3·3	190	2·6	200	2·1	220	0·6	220	4·5	230	3·1	220	3·0	220	3·5	210	3·6	190	2·5	190	4·8
16	220	3·0	220	1·6	210	2·3	240	0·9	200	0·9	230	2·0	230	1·8	250	2·5	300	1·7	300	1·9	300	2·4	290	4·2
17	200	1·5	210	3·1	210	3·5	200	3·6	200	3·6	190	5·6	190	7·6	210	7·8	220	8·9	270	8·7	270	5·4	280	8·0
18	280	8·2	290	6·7	290	6·4	290	6·5	290	5·6	280	4·3	300	2·7	240	2·8	240	3·3	220	2·9	230	2·9	210	3·0
19	210	8·5	210	9·6	210	9·1	220	6·9	230	10·4	230	10·7	240	10·6	240	12·9	250	11·7	260	10·0	270	13·6	300	11·6
20	330	10·6	330	10·9	330	11·4	330	10·9	330	11·4	330	8·2	330	9·2	320	8·7	320	8·8	330	9·5	320	9·1	330	8·4
21	260	2·0	300	2·6	300	3·5	300	2·6	290	4·1	290	3·1	290	4·0	270	4·1	280	5·2	280	4·6	300	4·4	310	4·7
22	300	1·8	290	2·9	300	2·9	300	2·2	300	1·4	270	0·6	300	0·9	300	0·9	310	0·4	290	0·2	180	1·2	180	2·2
23	200	3·3	200	2·6	200	2·4	200	2·9	200	3·0	190	4·0	190	4·3	180	5·1	180	7·5	180	7·4	180	7·3	180	7·5
24	180	8·2	170	7·6	170	7·3	170	6·5	180	6·2	180	5·5	170	5·2	170	4·7	170	4·9	170	4·9	170	6·5	170	6·4
25	190	3·9	180	4·0	180	4·9	180	3·8	180	3·7	180	3·5	170	4·0	180	2·5	170	3·0	170	3·6	160	3·3	180	3·0
26	310	1·1	310	0·3	200	0·6	200	2·0	190	2·0	200	3·1	210	3·5	210	5·5	200	4·5	200	5·5	190	3·1	200	4·0
27	230	3·4	210	2·4	220	2·5	240	2·1	230	2·2	210	1·5	210	1·5	190	1·5	210	1·8	210	1·9	210	1·5	210	0·3
28	300	4·1	300	3·5	290	2·6	300	2·3	280	3·2	290	4·7	300	4·5	290	1·8	290	2·6	290	2·5	280	4·3	300	4·2
29	190	2·1	200	0·3	200	0·8	200	0·3	280	1·4	280	3·1	290	3·6	270	1·5	270	1·4	280	2·6	280	2·8	270	1·4
30	250	7·2	250	6·9	250	6·8	250	5·6	240	5·0	190	2·5	180	4·0	180	5·3	190	5·4	190	(6·9)	210	(9·8)	220	(7·9)
31	230	(6·2)	230	(6·6)	230	(6·6)	240	(6·9)	240	(6·9)	240	(6·9)	240	(6·9)	230	(7·5)	230	(6·9)	230	(9·5)	230	8·9	230	8·1
Mean	---	4·2	---	3·9	---	3·7	---	3·5	---	3·7	---	3·7	---	3·6	---	3·7	---	4·0	---	4·2	---	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	

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, 1935

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	
180	5·7	180	5·6	190	4·6	180	3·4	170	3·0	170	2·0	150	1·2	110	0·8	130	1·2	140	2·5	130	3·4	130	4·0	2·3	1
160	5·9	160	4·5	180	3·8	230	1·8	220	1·9	220	2·5	230	3·8	220	3·6	220	2·9	240	5·2	250	5·4	250	3·8	4·4	2
220	4·9	220	4·5	230	5·0	220	5·4	230	5·3	240	3·9	240	3·5	230	3·2	230	2·6	220	3·0	210	1·8	200	1·8	3·3	3
250	5·3	270	5·0	270	3·9	250	2·9	260	2·9	290	3·8	290	2·2	270	2·0	250	2·2	270	3·2	270	2·8	300	2·4	3·3	4
300	5·5	330	4·4	330	6·1	330	6·7	330	5·6	320	3·5	310	2·3	310	2·1	320	2·4	320	2·3	290	2·0	290	3·5	3·7	5
320	6·9	320	5·9	320	6·2	340	5·5	340	5·0	330	4·4	320	1·9	330	1·0	300	0·9	290	0·9	280	1·8	280	3·0	4·7	6
330	5·3	340	4·6	340	3·8	340	4·1	340	3·2	350	2·2	340	1·1	330	1·3	310	1·2	320	1·4	310	1·1	320	0·9	3·2	7
120	2·0	120	2·0	120	2·3	110	2·4	120	1·9	110	1·2	110	0·6	130	0·1	310	1·0	310	1·6	320	1·8	320	1·6	1·4	8
120	2·1	130	2·3	150	2·4	160	2·6	130	2·2	140	2·4	170	2·1	170	1·5	180	1·4	170	1·2	190	1·6	180	2·1	1·6	9
190	3·5	200	4·0	200	3·2	210	1·4	200	1·5	200	2·6	200	1·8	200	3·2	200	2·0	190	1·9	190	3·4	210	2·8	2·7	10
210	4·0	210	2·6	210	2·5	210	2·2	180	1·8	190	1·9	200	1·8	210	3·1	220	2·3	220	2·4	200	0·4	210	1·4	2·8	11
120	1·3	150	2·8	150	3·6	170	5·5	170	6·4	170	4·9	170	3·5	180	4·0	170	4·1	170	2·8	170	2·5	180	3·6	2·2	12
210	6·1	230	6·1	220	6·2	230	6·3	230	5·1	220	3·1	210	4·1	210	3·0	190	3·9	190	3·6	190	4·0	190	6·2	4·7	13
180	5·8	190	5·1	190	6·1	210	5·4	210	6·5	210	3·8	210	3·6	210	3·1	210	3·0	210	2·5	210	3·9	220	3·1	5·0	14
160	6·7	170	5·7	180	5·5	170	6·6	180	5·3	190	3·0	210	2·9	190	2·9	210	4·1	210	4·0	210	3·7	200	4·4	4·8	15
220	4·9	220	5·5	220	6·0	230	5·1	220	4·5	200	4·0	200	3·0	210	4·4	180	2·9	180	3·9	160	3·2	150	4·9	3·7	16
300	8·5	290	9·6	290	9·8	300	9·4	290	7·7	290	5·2	270	3·5	280	5·2	270	5·2	280	3·3	250	2·4	270	3·5	5·0	17
290	5·6	280	6·0	260	5·8	260	4·7	250	4·3	250	3·8	240	2·1	220	2·7	190	2·0	200	3·2	180	3·2	180	4·6	3·7	18
250	9·5	250	9·1	230	7·3	240	6·5	250	9·6	260	9·5	250	10·1	240	7·0	250	7·4	250	11·0	250	10·9	260	8·4	8·1	19
260	4·1	270	6·4	260	6·4	260	6·0	270	2·0	260	3·0	250	3·9	210	1·7	250	2·9	250	1·6	230	1·9	230	0·8	4·6	20
180	2·8	170	3·0	180	2·6	180	2·7	180	2·1	190	1·1	180	0·5	180	0·7	230	0·2	210	0·6	---	...	---	...	1·6	21
360	4·5	350	4·5	340	4·5	340	5·0	340	4·4	330	4·3	320	4·0	320	4·8	320	5·4	320	4·9	310	4·3	300	4·5	3·1	22
300	6·6	290	6·2	290	7·0	310	5·7	290	4·7	310	4·9	300	3·6	290	3·8	280	4·7	280	4·9	280	4·8	280	3·6	5·4	23
60	1·5	70	2·5	70	2·2	70	1·6	60	1·7	30	1·6	360	1·7	330	1·7	320	2·0	310	2·1	320	2·0	320	2·5	2·2	24
330	7·1	330	7·5	340	5·6	340	4·0	330	4·5	320	3·0	320	2·8	320	2·8	310	2·3	310	2·3	300	2·4	290	1·9	3·9	25
170	5·1	170	4·7	170	5·3	160	6·2	160	6·0	170	6·1	170	4·4	180	5·5	170	6·4	170	7·1	170	6·5	180	6·5	3·8	26
200	3·2	240	4·7	250	3·4	240	2·4	220	1·6	230	1·1	230	1·5	220	2·1	210	0·3	110	0·4	200	0·3	220	2·3	1·8	27
40	1·1	350	1·2	330	1·8	300	3·8	300	6·5	300	7·2	290	6·8	270	4·6	270	3·9	250	2·9	230	1·6	230	1·0	2·4	28
200	4·3	210	4·2	190	3·7	200	3·7	180	2·9	170	3·5	190	5·5	190	5·1	190	4·9	180	5·3	180	5·2	180	5·5	3·4	29
300	1·1	320	0·6	350	1·2	80	0·9	190	0·8	250	1·1	240	1·9	240	2·7	230	1·5	240	1·6	230	1·9	220	1·1	1·7	30
---	4·7	---	4·7	---	4·6	---	4·3	---	4·0	---	3·5	---	3·1	---	3·0	---	2·9	---	3·1	---	3·0	---	3·2	3·5	

OCTOBER, 1935

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	
340	4·3	340	4·9	340	4·7	340	4·8	330	3·1	310	1·1	300	0·6	300	1·4	300	1·6	290	1·8	290	2·4	280	1·6	2·4	1
170	5·3	160	5·3	160	5·8	160	6·2	160	6·4	150	6·4	150	6·3	140	6·7	140	7·0	130	7·3	130	7·9	120	7·5	4·1	2
50	7·2	40	7·0	60	6·4	60	5·4	60	6·0	60	5·9	60	6·0	70	6·0	50	6·1	30	6·5	30	4·8	350	4·3	6·5	3
120	2·8	100	3·2	90	2·0	50	1·9	80	3·0	70	(1·6)	10	(1·0)	360	(1·5)	350	(1·8)	340	(1·1)	340	(1·0)	10	(1·5)	2·0	4
340	6·3	340	5·7	340	5·1	330	5·0	330	4·4	330	5·2	320	6·4	310	7·4	310	5·6	310	4·6	310	3·5	310	3·8	4·7	5
340	4·9	340	4·6	350	5·2	350	4·7	340	4·0	340	3·4	330	2·3	310	2·8	310	2·7	310	3·0	310	3·0	310	3·1	3·8	6
190	3·5	210	3·6	210	3·5	190	4·3	180	4·7	190	4·5	220	4·4	210	4·4	190	4·6	190	5·4	190	4·8	190	5·3	3·0	7
230	3·6	230	2·7	230	1·9	220	1·5	230	2·5	240	2·0	230	1·6	230	1·6	230	1·4	230	1·8	230	2·5	240	2·3	3·2	8
190	3·7	210	3·3	210	3·7	210	4·5	210	4·0	210	2·9	210	3·0	210	2·0	210	3·1	210	2·0	220	1·5	260	1·8	2·9	9
260	(7·8)	260	7·1	250	6·1	260	4·2	270	2·3	250	4·9	250	4·6	250	4·9	250	4·8	250	5·5	240	3·9	230	2·5	3·7	10
280	4·7	280	4·6	280	6·9	280	6·1	280	4·6	280	5·4	290	5·5	280	5·3	290	4·4	280	4·5	290	2·6	280	1·9	3·5	11
230	4·2	220	4·0	220	2·8	230	3·5	230	2·1	230	2·5	200	2·4	210	3·1	210	3·4	200	2·7	230	2·9	220	4·2	3·0	12
210	5·7	200	3·3	190	3·2	180	3·1	170	4·1	170	3·7	180	6·2	180	6·0	180	5·2	190	6·8	200	7·6	200	7·1	4·2	13
200	3·1	220	3·6	220	5·0	220	4·9	210	5·0	200	2·2	210	3·5	220	4·2	220	4·1	180	3·4	200	3·7	210	3·6	3·9	14
190	4·5	200	5·8	210	6·8	170	4·0	210	4·9	210	5·1	160	4·2	150	2·6	190	3·5	170	4·3	230	4·8	220	3·2	3·8	15
260	4·4	260	4·8	260	3·5	260	3·8	270	4·7	250	3·6	250	3·8	250	3·8	230	2·1	220	2·1	230	2·3	210	1·9	2·7	16
270	9·5	270	8·6	280	6·6	270	4·7	270	6·9	270	5·7	240	3·6	240	3·5	240	3·3	260	7·5	270	10·1	270	8·0	6·1	17
220	2·6	180	4·6	180	7·5	180	7·6	190	9·6	190	8·5	180	10·3	190	8·0	210	10·1	240	6·1	220	6·1	210	6·9	6·0	18
310	9·5	310	10·9	310	10·3	310	8·2	310	7·5	320	9·3	320	11·3	330	10·3	330	9·6	330	10·8	330	12·5	330	10·8	10·3	19
320	8·5	330	8·0	320	7·6	320	6·2	310	5·8	290	4·8	290	5·2	290	3·9	280	4·1	280	2·5	290	4·3	280	4·1	7·6	20
300	4·6	300	4·3	310	3·8	330	3·8	330	3·4	330	3·7	320	3·6	320	2·7	310	2·1	310	3·1	300	2·3	300	2·6	3·5	21
180	3·9	180	4·0	180	4·1	200	3·7	200	2·8	200	2·0	210	2·7	200	2·7	210	2·4	220	2·5	210	2·2	200	3·2	2·2	22
180	6·9	180	7·3	180	6·4	180	6·3	170	7·1	170	8·5	170	8·0	170	7·4	170	7·4	180	7·6	180	7·7	180	8·1	6·1	23
170	6·2	180	5·0	180	4·0	180	3·6	170	4·6	170	4·6	180	3·4	190	3·3	180	3·8	180	6·4	180	5·4	180	4·0	5·3	24
190	2·2	180	2·0	190	2·2	190	2·7	200	2·1	210	1·7	220	1·5	240	0·2	270	0·5	250	0·3	300	0·8	300	1·1	2·5	25
210	6·2	210	6·6	210	5·0	300	5·5	290	5·8	280	7·2	290	7·1	280	4·6	260	5·6	230	3·5	250	4·3	240	2·3	4·1	26
190	0·4	190	1·1	210	0·7	220	0·3	310	0·7	320	1·0	320	1·6	300	1·6	300	2·6	320	4·0	320	4·9	300	4·6	1·9	27
300	3·3	290	2·3	290	1·1	220	0·4	170	1·3	160	2·2	180	3·5	180	3·6	190	3·8	200	4·5	200	4·8	200	5·4	3·2	28
280	3·1	280	7·6	290	6·5	280	6·4	280	8·2	280	9·5	280	9·1	270	8·4	250	5·7	250	6·6	250	7·1	250	6·9	4·4	29
230	(7·2)	220	(5·6)	220	(4·3)	220	(5·9)	210	(6·6)	230	(4·6)	220	(3·0)	220	(5·2)	230	(6·2)	220	(5·6)	230	(6·6)	240	(5·9)	5·8	30
220	8·4	220	8·2	220	5·7	210	2·9	200	4·2	210	5·6	220	6·3	210	6·4	210	5·7	210	5·4	200	4·3	200	4·3	6·5	31
---	5·1	---	5·1	---	4·8	---	4·4	---	4·6	---	4·5	---	4·6	---	4·4	---	4·3	---	4·5	---	4·6	---	4·3	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

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 from Jan. 1935. H_a (height of anemometer above M.S.L.) = height of ground above

	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	210	4·6	210	2·1	210	2·6	210	5·0	230	3·6	200	4·4	220	5·0	210	3·5	160	2·3	200	2·6	210	2·8	220	2·7
2	200	3·0	180	0·5	180	1·9	190	1·6	170	4·2	160	6·7	160	5·8	170	6·8	170	8·5	160	7·4	160	7·2	160	9·5
3	210	2·8	200	4·8	200	1·3	210	1·1	180	0·8	190	0·6	80	0·5	320	0·8	150	1·2	140	3·1	140	5·6	140	6·1
4	130	7·7	130	8·0	130	8·8	130	9·1	130	9·2	130	10·7	130	9·7	140	8·2	130	7·9	140	7·2	140	6·8	140	6·2
5	290	0·9	230	0·9	290	0·4	240	0·4	200	0·4	---	...	310	0·2	310	1·3	310	1·6	310	0·9	240	0·5	130	0·6
6	160	1·0	120	0·6	240	2·3	240	1·3	240	1·4	230	1·0	190	0·2	170	0·2	220	1·0	210	2·4	210	2·9	210	3·0
7	230	1·0	210	0·7	310	0·5	310	0·9	210	0·4	310	0·6	310	0·4	310	0·5	310	0·5	---	0·0	310	0·7	310	1·0
8	120	0·9	320	1·4	310	1·4	320	1·6	310	2.0	300	2·2	320	2·2	310	1·9	310	2·0	320	2·6	320	2·5	320	1·8
9	230	1·0	190	0·6	---	...	310	1·5	310	1·6	320	1·6	310	1·3	320	2·2	320	1·9	140	4·8	130	3·9	120	5·4
10	130	4·6	170	4·5	170	4·4	180	2·8	170	1·6	170	1·0	170	0·8	140	1·8	120	4·6	130	5·5	160	4·1	160	3·9
11	170	0·5	180	0·5	250	0·5	300	1·1	310	2·3	300	2·0	310	0·9	320	0·7	310	1·3	300	1·3	300	0·9	190	0·9
12	150	6·8	150	6·9	150	7·2	150	7·6	150	8·4	150	9·4	150	10·5	160	10·2	170	10·6	170	10·0	190	8·2	200	6·3
13	210	1·4	200	1·1	250	1·0	230	1·2	210	1·6	220	1·5	230	1·5	220	1·6	220	1·7	220	1·0	210	1·0	220	0·9
14	240	0·9	220	0·6	200	1·4	190	2·5	200	3·8	190	3·5	180	2·4	170	4·9	170	8·1	170	8·7	170	7·4	170	7·2
15	190	1·1	220	0·6	---	0·0	310	0·2	300	0·6	300	0·4	---	0·0	300	0·5	310	0·5	150	3·9	130	3·0	260	0·9
16	190	3.0	190	2·3	200	1·3	230	0·8	160	2·0	170	2·5	170	4·0	170	5·0	170	5·8	170	6·2	170	6·1	170	5·4
17	---	0·0	310	1·3	320	1·9	320	2·4	320	2·2	320	2·3	310	2·5	320	2·4	310	1·8	310	1·9	310	2·5	320	2·7
18	80	6·9	80	6·7	70	5·3	80	5·5	80	5·5	80	5·2	70	4·5	70	6·0	70	6·4	50	5·8	60	5·6	70	4·9
19	310	0·5	320	0·6	30	0·1	120	1·5	130	1·9	140	0·9	130	2·5	140	3·5	140	3·7	140	4·4	140	4·5	130	4·5
20	150	5·6	150	5·3	150	5·4	140	5·9	130	6·3	130	6·2	130	6·2	130	6·0	130	5·6	130	5·6	120	5·4	110	6·5
21	100	6·9	100	7·4	100	7·1	90	6·5	90	6·5	100	6·4	90	6·7	90	5·8	90	6·4	90	6·7	100	5·8	110	6·5
22	120	5·3	120	5·2	120	5·2	120	5·3	120	4·4	120	4·5	120	4·8	130	3·3	120	4·1	110	3·5	110	4·0	110	4·0
23	120	4·8	120	4·2	120	3·3	110	2·5	110	1·9	130	1·6	130	1·5	130	1·0	300	0·6	310	1·1	250	0·6	250	1·5
24	240	0·4	290	0·4	250	0·6	270	2·1	280	2·6	280	1·9	290	2·0	280	2·3	290	1·4	270	2·0	280	3·1	280	4·4
25	250	4·4	230	3·9	230	2·6	230	3·4	220	2·8	220	2·5	210	2·5	220	3·7	210	3·6	210	4·1	210	3·6	200	4·6
26	210	8·1	220	9·2	210	9·3	210	6·5	210	5·1	230	4·6	250	4·7	230	3·2	230	3·1	220	3·5	240	5·3	240	5·9
27	250	4·6	250	3·1	250	4·1	250	3·4	220	2·0	260	3·9	260	4·3	270	5·2	270	3·9	280	3·0	240	3·1	270	5·5
28	190	6·2	190	7·2	190	6·9	190	5·5	210	4·2	200	4·5	210	5·2	230	4·9	230	4·7	240	5·1	240	4·1	230	2·9
29	270	3·9	270	3·2	250	1·7	190	2·1	240	3·6	240	3·3	210	1·6	220	1·6	230	5·2	220	5·0	260	4·2	230	2·1
30	220	6·4	230	6·4	220	5·7	220	6·5	220	6·5	220	6·6	220	7·7	230	7·3	230	6·0	230	5·9	220	6·3	230	6·8
Mean	---	3·5	---	3·3	---	3·2	---	3·3	---	3·3	---	3·4	---	3·4	---	3·5	---	3·9	---	4·2	---	4·1	---	4·2

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	3·6	300	3·3	300	3·2	300	3·0	300	2·8	300	3·8	280	6·6	280	6·9	290	5·7	280	4·6	280	5·0	280	3·6
2	290	9·9	300	9·5	280	7·4	280	7·6	290	7·8	290	9·7	300	10·9	290	8·9	290	9·0	300	10·1	300	11·0	300	10·7
3	300	10·3	290	7·3	280	6·4	280	7·2	280	7·0	280	4·8	270	4·0	260	4·0	280	5·8	290	6·3	300	6·3	290	6·0
4	310	5·8	300	5·2	300	4·6	310	5·6	300	5·3	310	4·2	300	3·1	290	5·5	280	5·2	280	5·2	290	5·1	290	4·2
5	300	1·9	300	1·5	300	1·7	300	1·6	300	3·0	300	2·1	300	2·3	290	2·0	280	2·8	290	2·6	280	3·7	270	4·2
6	250	1·0	290	1·0	240	1·5	240	0·6	190	1·2	220	1·6	240	0·8	280	1·9	280	1·4	290	0·6	290	1·5	290	2·2
7	290	1·1	190	0·5	290	0·5	270	1·0	300	0·9	290	0·9	310	1·2	310	1·5	310	1·3	300	0·7	280	0·6	310	0·7
8	220	3·0	230	1·5	230	0·4	210	1·0	230	0·5	250	0·5	200	0·5	220	0·8	230	1·2	240	0·1	300	0·6	280	0·5
9	310	3·4	310	4·5	310	4·5	310	4·4	310	4·4	310	3·9	310	3·7	320	3·2	320	3·7	320	4·2	310	3·8	320	4·4
10	310	1·8	310	1·8	300	2·0	300	2·4	310	2·1	300	2·8	310	3·0	320	1·9	310	1·9	310	1·6	310	1·3	310	1·7
11	300	1·1	310	1·8	290	1·5	310	1·6	310	1·5	320	1·4	100	2·5	110	3·9	110	3·5	130	4·1	130	3·9	120	3·9
12	170	1·6	160	1·0	310	0·5	310	1·1	310	0·6	310	1·2	310	1·0	310	1·0	320	1·4	320	1·4	310	1·7	320	1·8
13	310	2·1	310	2·4	310	2·6	310	2·7	310	2·5	310	2·1	300	2·2	300	1·9	300	2·1	300	1·3	290	1·5	300	1·8
14	---	...	---	0·0	230	0·2	200	0·4	200	1·4	180	2·6	190	2·6	200	4·5	210	3·3	210	3·6	180	5·0	180	6·4
15	190	7·8	180	6·1	190	6·5	190	5·3	180	6·3	190	5·1	180	5·4	180	5·2	190	4·3	210	4·1	290	5·1	290	2·7
16	320	1·4	320	1·6	320	2·5	310	4·4	310	4·5	300	4·6	310	4·7	310	4·2	310	4·1	310	4·6	300	5·3	300	6·5
17	320	1·9	10	2·6	340	3·2	320	3·0	320	2·7	310	3·0	310	3·7	340	3·5	320	3·0	310	3·1	310	2·0	310	2·5
18	310	3·5	300	3·5	290	3·3	300	2·5	300	3·0	300	3·5	300	3·9	310	3·6	300	4·0	300	3·9	290	3·8	290	4·5
19	300	2·4	290	2·8	290	2·8	290	2·2	290	2·3	300	2·9	300	2·7	280	2·0	280	1·5	260	1·4	270	3·4	290	2·2
20	310	6·5	310	6·2	320	5·2	320	4·6	320	4·1	310	5·2	310	5·4	320	4·6	310	4·9	300	5·1	300	3·1	320	3·9
21	310	5·0	310	4·0	320	5.0	310	4·9	290	4·2	300	4·4	310	5·3	290	3·8	270	1·9	280	4·0	290	3·9	300	3·5
22	280	3·5	280	4·6	280	3·5	280	4·3	280	5·4	290	5·9	300	7·2	310	7·2	300	7·3	310	7·8	310	7·6	310	7·3
23	310	6·2	310	5·5	280	3·0	280	1·8	270	3·6	300	4·3	300	3·5	290	3·0	290	3·3	290	2·0	290	2·7	280	4·0
24	300	1·6	300	1·8	300	2·1	300	2·5	300	2·1	300	2·3	310	2·3	310	1·6	310	1·9	130	6·1	130	7·4	130	8·2
25	140	6·6	140	6·0	140	5·5	140	6·1	140	6·3	140	6·2	130	5·8	130	6·0	130	7·3	130	6·9	120	7·3	120	7·6
26	180	3·1	170	3·5	160	3·2	170	4·4	150	3·9	140	4·4	150	5·3	160	5·9	160	6·9	150	6·0	140	5·9	140	5·8
27	190	2·8	200	3·0	180	3·4	170	4·1	180	4·9	170	5·4	170	5·8	180	6·4	180	5·6	180	5·4	180	5·4	180	5·0
28	220	1·0	130	0·3	210	0·4	220	1·1	220	1·3	220	1·8	220	2·8	200	3·6	200	3·2	220	2·0	230	2·1	220	1·4
29	290	1·6	300	2·0	270	0·9	220	0·3	330	0·2	310	0·9	290	1·0	260	0·5	300	0·6	310	0·7	330	0·5	200	0·6
30	150	1·6	150	4·1	140	4·6	140	5·3	130	6·0	120	6·1	120	5·6	110	5·7	110	5·5	120	4·1	190	2·3	200	3·1
31	320	1·8	310	1·8	310	1·1	310	1·2	310	1·1	310	1·0	310	0·9	320	0·6	---	0·0	310	0·1	140	0·2	180	0·6
Mean	---	3·4	---	3·2	---	3·0	---	3·2	---	3·3	---	3·5	---	3·7	---	3·7	---	3·7	---	3·7	---	3·8	---	3·9
Annual Mean	---	3·2	---	3·1	---	3·0	---	3·1	---	3·1	---	3·1	---	3·3	---	3·4	---	3·7	---	4·0	---	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) = 24 metres + 13 metres

NOVEMBER, 1935

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	3·1	200	3·0	200	3·4	190	2·0	190	4·0	210	3·6	220	3·5	210	4·7	220	4·8	230	4·5	250	1·2	210	2·5	3·4	1
160	10·6	170	9·5	170	7·7	180	7·0	190	5·9	190	4·4	180	3·5	210	3·7	200	3·2	220	3·3	220	3·6	210	3·4	5·4	2
140	5·9	140	5·0	140	3·3	120	3·7	120	4·3	130	5·0	120	3·9	130	4·3	140	3·8	140	6·3	150	6·7	140	6·8	3·7	3
140	5·6	140	6·1	220	2·0	230	0·4	150	1·0	220	1·1	220	0·4	---	0·0	290	0·3	310	0·7	300	1·5	290	0·9	5·0	4
140	3·0	160	3·4	160	3·7	150	3·5	150	2·8	140	2·8	140	4·8	140	5·0	140	4·6	140	4·6	150	3·9	150	2·7	2·2	5
210	3·6	200	4·0	200	2·8	200	2·8	200	1·5	220	0·5	300	0·7	310	0·8	240	0·4	290	0·5	220	0·6	230	1·0	1·5	6
---	...	---	...	150	3·1	140	3·7	140	3·4	130	3·6	130	3·3	120	3·1	120	3·4	120	2·5	120	1·0	80	1·3	1·5	7
310	2·8	310	3·7	310	4·4	310	4·3	300	3·5	290	2·6	280	3·3	280	4·1	230	2·4	220	2·4	230	2·0	220	1·8	2·5	8
120	6·5	120	6·6	120	6·9	120	7·0	120	6·9	120	6·5	110	7·0	110	6·3	100	6·5	100	6·5	100	7·1	100	7·3	4·5	9
160	3·2	170	2·9	160	3·0	160	2·7	160	3·5	160	2·1	140	3·1	140	4·8	140	4·4	250	2·7	150	0·6	150	1·4	3·1	10
200	2·6	190	3·4	210	4·0	200	3·5	200	3·2	210	2·8	210	1·6	200	0·6	180	0·7	160	2·5	160	6·0	160	6·5	2·1	11
200	6·4	200	6·0	210	6·4	220	6·6	200	5·8	210	4·4	200	4·1	200	4·0	200	3·3	210	1·9	220	1·9	210	2·5	6·5	12
160	3·1	170	2·9	190	1·9	180	1·4	170	0·5	310	1·5	310	1·1	300	0·5	300	0·8	250	0·4	230	1·3	230	1·0	1·3	13
200	5·4	200	5·1	210	5·2	210	4·6	210	4·4	210	2·2	210	2·8	220	2·1	270	1·1	170	1·0	300	0·3	210	0·4	3·6	14
290	1·5	170	1·7	180	3·3	190	3·6	200	3·5	210	2·9	220	1·8	200	1·9	200	2·0	220	3·0	200	4·2	200	4·0	1·9	15
180	5·4	190	3·6	200	3·1	190	2·2	210	2·7	230	2·0	220	1·3	230	1·6	210	1·4	230	0·6	320	1·0	290	0·7	2·9	16
20	3·8	80	4·1	90	4·6	80	5·2	80	6·1	90	5·9	90	5·8	100	5·9	100	6·2	90	5·6	80	6·5	80	6·8	3·8	17
80	4·5	80	3·8	120	2·3	100	1·3	60	0·5	90	0·4	100	0·9	100	0·3	330	0·3	320	0·9	310	1·1	310	0·6	3·5	18
130	5·0	130	4·9	140	5·1	130	6·1	140	6·8	140	7·0	130	7·2	130	7·8	130	8·1	130	8·3	130	7·3	140	6·5	4·5	19
110	6·8	110	6·7	100	6·8	110	7·3	110	7·9	100	6·8	100	7·0	100	7·3	110	7·7	100	7·1	100	6·9	100	8·0	6·5	20
100	5·4	100	4·3	100	4·5	110	5·2	100	4·9	110	5·2	120	3·2	110	3·7	110	4·1	120	5·8	120	5·4	120	5·2	5·7	21
110	4·4	100	4·4	110	4·1	120	4·2	120	4·3	120	4·0	120	3·5	120	3·9	140	3·7	110	2·2	140	2·8	140	3·0	4·1	22
250	1·9	250	2·3	250	2·1	250	1·5	300	1·5	300	1·6	310	2·1	300	1·9	300	1·4	300	0·8	300	2·1	300	0·9	1·9	23
280	4·4	290	5·0	310	4·4	310	3·7	310	1·9	310	1·4	290	2·6	290	2·2	280	3·0	280	2·4	250	2·6	240	3·5	2·5	24
190	4·8	210	5·3	230	5·0	190	3·4	170	3·5	190	3·7	190	4·6	200	4·9	210	5·0	210	6·9	220	9·5	220	9·8	4·5	25
240	6·9	230	6·5	230	6·3	240	6·5	250	6·4	240	4·5	250	5·7	250	5·1	260	4·5	260	5·9	260	5·2	260	5·2	5·7	26
270	4·9	260	3·1	240	2·3	230	2·1	230	2·5	220	2·3	220	3·1	220	3·2	180	2·3	170	2·2	200	3·3	200	3·6	3·4	27
270	4·9	280	6·4	290	7·1	290	8·1	300	8·5	300	8·0	290	7·4	300	8·1	290	7·4	290	8·7	280	7·1	280	5·4	6·2	28
250	3·8	240	4·4	220	4·0	230	4·0	230	3·7	240	4·8	240	5·9	230	5·3	230	5·5	220	4·6	240	5·1	220	5·4	3·9	29
230	6·6	220	5·8	220	5·7	210	5·7	210	6·2	210	4·9	210	3·0	210	1·9	170	1·6	260	1·4	310	1·4	310	2·6	5·2	30
---	4·6	---	4·5	---	4·3	---	4·1	---	4·1	---	3·6	---	3·6	---	3·6	---	3·5	---	3·5	---	3·6	---	3·7	3·7	

DECEMBER, 1935

°	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	4·3	290	4·6	290	3·9	280	3·7	290	3·6	290	6·5	300	8·2	300	8·1	290	3·1	290	8·7	290	8·2	290	8·5	5·4	1
300	11.5	300	11·9	300	11·4	300	11·8	300	12·6	300	12·8	300	12·9	300	12·0	300	13·2	300	10·7	300	12·1	300	12·3	10·7	2
290	5·9	290	5·5	290	4·8	280	4·5	290	3·8	300	4·2	300	4·1	300	3·5	300	4·3	300	5·4	290	3·6	300	3·9	5·4	3
270	3·3	270	3·7	270	2·9	260	0·5	230	1·0	280	1·3	300	1·5	310	1·5	230	0·6	300	1·9	300	1·8	270	0·8	3·3	4
270	3·5	250	4·4	240	3·4	230	2·4	230	2·1	240	2·1	250	1·2	250	2·0	240	2·3	240	2·6	240	3·1	240	2·5	2·5	5
290	1·9	290	2·4	290	2·6	290	2·7	300	2·1	300	2·6	310	2·3	300	1·9	290	1·5	300	0·3	290	1·3	300	2·0	1·6	6
310	0·1	230	0·3	220	0·6	210	0·7	210	1·5	200	3·6	200	3·8	190	2·6	190	2·3	190	1·5	210	2·2	210	2·9	1·4	7
300	0·9	300	1·4	300	0·9	300	1·0	310	1·9	310	1·8	310	2·5	300	2·9	300	2·9	300	3·1	300	3·0	310	3·4	1·5	8
320	3·6	330	3·3	340	3·5	330	3·1	320	2·6	310	1·9	310	2·0	320	2·2	310	1·8	310	1·8	310	2·1	310	1·5	3·2	9
310	2·1	310	1·9	310	1·3	310	1·6	310	1·4	300	1·4	310	1·4	310	1·5	310	1·9	300	1·4	300	1·5	310	1·2	1·6	10
120	3·3	120	2·7	140	2·7	130	3·0	130	2·8	130	2·6	130	2·9	140	3·0	150	2·9	160	2·3	150	2·7	170	2·5	2·7	11
310	1·5	320	2·4	320	2·1	320	1·5	(310)	2·0	(300)	1·0	310	1·4	310	1·8	310	3·1	310	2·4	310	1·6	310	1·9	1·5	12
300	1·9	310	2·2	310	2·4	300	1·4	280	0·7	300	1·4	280	0·8	310	1·1	310	1·1	300	1·3	310	0·6	---	...	1·7	13
180	7·0	180	7·7	190	5·6	190	6·2	190	6·6	190	8·1	190	9·1	190	8·1	190	8·8	180	7·8	190	7·4	190	7·4	5·0	14
220	1·8	200	2·2	220	2·5	190	3·0	200	1·8	200	3·1	240	2·1	210	1·9	220	1·2	240	0·6	320	0·4	310	0·7	3·5	15
310	7·6	310	5·8	310	4·0	340	3·6	350	3·9	350	3·5	330	3·6	350	3·0	350	3·8	340	4·5	30	4·1	40	4·1	4·2	16
310	3·1	310	3·0	310	2·5	310	2·3	310	3·5	310	3·6	320	3·3	320	2·3	310	2·2	320	2·3	310	2·4	310	2·8	2·8	17
290	3·4	300	3·4	300	3·0	300	2·7	300	3·4	300	2·6	290	3·1	290	3·0	300	2·4	290	2·6	300	2·6	290	3·3	3·3	18
300	3·4	310	4·4	310	4·2	310	3·0	300	3·5	300	3·7	310	4·5	300	4·3	300	4·0	310	5·0	310	5·9	310	6.5	3·4	19
310	6·2	310	5·4	320	3·5	310	5·2	320	4·8	320	5·8	310	4·7	310	5·3	300	4·8	310	4·0	320	4·5	310	4·5	4·9	20
270	2·1	250	2·1	270	4·5	280	3·6	290	5·0	280	4·3	260	2·0	280	1·0	280	1·5	300	2·4	280	3·6	290	4·5	3·6	21
310	7·1	310	5·6	300	6·6	310	6·1	310	5·0	310	5·0	300	3·5	300	4·7	300	5·5	290	5·4	290	4·5	300	4·9	5·6	22
280	4·9	270	3·7	280	2·7	280	1·9	290	1·7	300	(1·5)	240	(1·4)	290	(1·2)	280	1·3	270	1·4	300	2·2	300	2·3	2·9	23
130	9·0	130	8·7	130	8·5	120	9·5	120	9·4	120	10·2	130	10·1	130	10·9	130	10·3	130	10·1	130	8·7	140	8·1	6·4	24
120	7·3	130	8·4	130	8·5	130	7·9	140	7·5	140	7·5	140	6·9	160	5·5	160	5·6	170	4·5	180	2·3	180	2·7	6·3	25
120	6·3	120	6·4	120	6·4	120	7·0	120	7·3	120	7·3	120	7·5	130	6·1	130	4·5	170	3·1	210	1·9	200	1·1	5·1	26
180	4·3	190	2·2	170	3·4	160	2·7	160	2·4	160	0·9	90	0·1	310	0·4	310	1·0	280	1·1	240	1·0	230	1·1	3·2	27
70	0·7	280	0·9	290	0·6	320	0·8	310	1·1	310	1·8	320	0·9	310	0·8	300	0·3	290	1·6	290	2·1	310	1·6	1·4	28
300	0·6	320	0·6	210	1·1	230	0·6	220	0·4	310	0·4	210	0·7	220	1·6	210	1·1	210	0·9	60	0·1	330	0·5	0·8	29
210	1·8	210	1·6	200	1·4	210	1·0	200	1·1	---	...	---	...	---	...	310	1·0	320	1·5	320	1·4	320	1·3	2·8	30
60	0·6	100	0·4	120	1·8	120	2·1	130	3·1	130	4·1	120	3·9	130	3·4	120	2·0	110	1·9	190	1·5	210	1·4	1·5	31
---	3·9	---	3·8	---	3·7	---	3·5	---	3·5	---	3·8	---	3·6	---	3·5	---	3·5	---	3·4	---	3·2	---	3·3	3·5	
---	4·6	---	4·6	---	4·5	---	4·2	---	4·0	---	3·8	---	3·5	---	3·3	---	3·2	---	3·1	---	3·1	---	3·1	3·6	
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

0-1h. 1st January 1936 220 1·4

151. ABERDEEN: Ha = 24 metres + 13 metres 1935

Day	Jan. Max. in a Gust	Jan. Time of Gust	Feb. Max. in a Gust	Feb. Time of Gust	Mar. Max. in a Gust	Mar. Time of Gust	Apr. Max. in a Gust	Apr. Time of Gust	May Max. in a Gust	May Time of Gust	June Max. in a Gust	June Time of Gust	July Max. in a Gust	July Time of Gust	Aug. Max. in a Gust	Aug. Time of Gust	Sept. Max. in a Gust	Sept. Time of Gust	Oct. Max. in a Gust	Oct. Time of Gust	Nov. Max. in a Gust	Nov. Time of Gust	Dec. Max. in a Gust	Dec. 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	7	6 35	19	22 20	12	18 50	27	6 10	16	14 25	6	11 25	7	17 35	10	19 15	12	12 20	12	13 10	13	20 10	17	22 55
2	13	19 05	31	12 00	17	5 40	24	10 35	10	13 30	9	13 35	5	22 10	6	7 30	14	2 35	15	22 40	20	12 30	27	20 15
3	16	22 05	13	2 55	19	6 40	22	22 55	7	13 35	7	13 00	14	16 05	11	15 20	12	11 35	17	7 55	15	23 20	21	0 05
4	24	20 20	9	11 45	15	22 35	23	1 10	11	18 40	11	23 45	19	12 50	11	18 10	12	13 45	12	20 25	19	5 25	13	3 55
5	16	2 10	17	23 25	23	14 45	23	1 55	7	21 30	14	13 25	17	10 20	7	14 35	14	11 20	15	19 40	10	19 20	9	11 35
6	18	4 30	20	1 25	11	5 15	19	3 50	7	8 10	10	23 25	13	6 55	9	13 00	15	9 55	12	13 15	8	13 10	5	15 25
7	20	10 15	6	1 30	9	15 40	11	23 55	11	10 45	15	16 00	10	17 20	8	14 25	13	14 25	13	21 15	9	14 35	10	18 20
8	12	11 15	3	20 00	12	20 00	17	9 00	7	11 25	15	19 00	14	17 45	8	15 05	5	15 55	17	4 30	9	18 55	6	0 01
9	14	5 05	8	21 35	13	0 50	8	9 20	7	12 40	16	14 30	14	15 50	11	14 15	7	23 55	13	10 30	16	18 40	9	1 25
10	20	23 35	10	3 00	12	7 30	23	14 10	10	12 45	11	16 30	14	6 55	20	13 20	10	13 10	15	12 35	15	9 00	5	6 50
11	27	8 30	23	19 25	10	2 05	17	16 55	13	12 50	17	14 55	10	16 20	15	6 45	10	11 30	17	14 40	14	23 35	9	7 15
12	15	10 30	19	3 10	8	21 55	16	15 30	18	15 50	14	15 15	14	18 35	14	12 20	12	16 40	12	12 55	21	8 10	5	20 30
13	15	1 45	11	1 10	10	17 35	9	13 05	13	8 25	15	11 45	12	1 10	9	16 15	17	15 20	18	23 00	7	13 20	5	2 50
14	15	11 05	30	9 15	8	5 40	11	19 20	17	8 35	9	7 30	11	7 05	5	9 55	16	8 15	15	0 20	18	10 55	19	21 05
15	9	9 35	19	3 30	13	13 35	15	11 15	27	17 35	7	18 10	11	12 10	7	14 45	16	10 50	16	14 20	11	9 15	18	0 05
16	15	11 55	21	23 25	7	15 30	14	12 40	21	8 05	7	14 00	10	12 50	7	14 25	14	15 35	11	15 20	13	9 50	13	12 40
17	7	10 45	18	1 30	5	14 30	19	13 50	21	14 40	11	0 20	9	10 55	11	13 00	21	14 05	23	22 15	15	20 20	8	1 40
18	7	14 05	21	11 40	10	11 05	10	13 15	16	1 10	7	13 05	9	10 45	11	17 55	14	14 10	24	20 10	14	8 40	9	5 45
19	6	19 30	26	3 05	15	4 40	7	13 55	15	23 15	13	17 45	12	15 40	11	15 25	25	22 20	27	10 40	16	21 25	13	23 05
20	11	18 35	20	11 50	15	18 30	10	12 10	14	0 30	14	12 55	16	13 50	15	15 15	18	0 50	26	4 20	16	19 25	13	5 10
21	11	20 10	25	3 00	11	16 30	14	3 15	9	13 35	15	12 00	20	9 25	18	14 20	9	8 50	15	14 50	16	8 55	11	0 45
22	12	12 15	17	22 40	14	13 25	6	23 40	7	12 00	12	14 40	11	15 35	8	11 10	11	20 10	10	14 55	11	2 40	17	11 50
23	23	9 25	18	6 45	14	11 35	15	11 05	8	17 15	8	4 35	15	11 20	6	16 05	16	9 25	18	19 05	10	0 15	12	0 30
24	25	22 55	9	23 50	16	9 25	12	9 50	9	13 25	9	7 05	11	18 10	9	20 10	9	2 15	19	2 55	10	13 55	21	17 40
25	31	0 40	20	13 30	19	19 15	9	8 15	11	15 35	9	3 40	14	15 15	9	23 35	15	13 45	12	1 55	23	22 45	16	14 00
26	26	5 25	14	23 35	21	10 45	10	7 35	11	14 10	9	13 55	15	15 10	18	7 00	14	22 50	17	17 10	20	1 45	16	17 15
27	21	4 45	25	14 00	17	1 05	9	12 50	7	13 50	11	9 10	15	19 10	11	2 25	11	0 05	9	0 20	13	12 20	15	6 45
28	9	23 15	16	0 45	11	10 15	11	10 20	5	14 25	11	9 00	20	9 30	15	10 55	15	17 05	11	22 55	18	17 25	8	8 00
29	9	6 20	--	---	12	3 30	12	10 15	6	12 25	14	15 45	20	10 30	12	4 40	14	19 50	19	19 45	13	10 40	5	1 20
30	15	17 15	--	---	9	2 45	9	12 30	9	17 10	8	11 50	15	12 15	11	4 00	15	0 25	*	---	18	8 15	12	8 10
31	20	13 25	--	---	19	11 00	--	---	9	14 10	--	---	11	16 35	7	0 40	--	---	*	---	--	---	10	17 25

* 30th and 31st October - Record incomplete.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

152. ABERDEEN Ha = 24 metres + 13 metres. Tube Anemometer. 1935

MONTH	DISTRIBUTION OF WIND SPEED. More than 17·1 m/s. Dates of Occurrence	More than 17·1 m/s. Duration	10·8 to 17·1 m/s. No. of Days	10·8 to 17·1 m/s. Duration	5·5 to 10·7 m/s Duration	1·6 to 5·4 m/s Duration	Less than 1·6 m/s Duration	No Record Duration	EXTREME VELOCITIES. Highest Hourly Wind. Veer From N.	Highest Hourly Wind. Speed	Highest Hourly Wind. Mid Time	Highest Gust Speed	Highest Gust Date
		hr		hr	hr	hr	hr	hr	°	m/s	day hour	m/s	day h m
Jan.	--	0	6	16	213	396	119	0	340	14	26 5 30	31	25 0 40
Feb.	--	0	5	22	195	272	183	0	290	17	14 9 30	31	2 12 00
Mar.	--	0	1	5	143	480	116	0	270	11	26 15 30	23	5 14 45
Apr.	--	0	4	14	206	403	97	0	290	14	1 6 30	27	1 6 10
May	--	0	1	5	91	446	202	0	340	13	15 17 30	27	15 17 35
June	--	0	0	0	68	455	197	0	150	8	11 13 30	17	11 14 55
July	--	0	0	0	143	401	200	0	290) 300)	9	(5 8 30 (28 9 30	20	28 9 30
Aug.	--	0	0	0	61	414	269	0	210	9	10 13 30	20	10 13 20
Sept.	--	0	1	2	121	445	152	0	250	11	19 21 30	25	19 22 20
Oct.	--	0	3	14	195	451	84	0	270	14	19 10 30	27	19 10 40
Nov.	--	0	0	0	162	389	169	0	130	11	4 5 30	23	25 22 45
Dec.	--	0	2	14	126	426	178	0	300	13	2 20 30	27	2 20 15
Year	--	0	23	92	1724	4978	1966	0	290	17	14 9 30	31	25 0 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 1935

	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	78·3	79·6	76·3	78·1	76·6	77·7	80·1	79·1	81·6	80·3	84·1	82·3	88·0	85·0	87·7	86·5	87·2	86·9	83·9	85·0	79·3	82·0	77·2	79·7
2	78·0	79·7	77·0	78·1	77·1	77·5	79·5	79·3	81·6	80·4	84·3	82·4	87·5	85·2	88·4	86·5	87·5	86·9	83·5	84·9	79·4	81·9	76·8	79·6
3	78·4	79·6	76·6	78·0	77·2	77·6	79·0	79·3	81·8	80·5	84·0	82·5	87·9	85·2	88·2	86·5	87·5	86·9	83·3	84·9	79·6	81·6	76·7	79·5
4	78·5	79·5	76·3	78·0	77·1	77·6	78·9	79·4	82·4	80·6	83·6	82·6	88·0	85·3	88·4	86·5	87·2	86·9	83·5	84·7	80·1	81·5	76·4	79·3
5	78·1	79·5	76·1	78·0	77·0	77·6	78·3	79·3	82·7	80·6	83·4	82·6	87·9	85·4	88·9	86·5	86·9	86·8	84·0	84·6	80·6	81·5	76·3	79·2
6	77·7	79·5	76·0	78·0	76·7	77·6	77·8	79·2	83·1	80·8	82·8	82·6	87·5	85·5	89·1	86·8	86·5	86·8	84·0	84·5	80·6	81·5	76·0	79·0
7	77·4	79·4	76·0	77·9	77·0	77·8	78·0	79·1	83·3	80·9	83·5	82·6	87·5	85·4	89·6	86·8	86·2	86·6	83·6	84·5	79·9	81·5	75·7	78·9
8	77·2	79·3	76·0	77·8	77·2	77·8	78·3	79·0	82·9	81·1	83·9	82·6	88·0	85·6	89·8	86·8	86·0	86·6	83·4	84·4	79·5	81·4	75·5	78·9
9	77·0	79·1	76·1	77·7	77·4	77·8	78·0	79·0	83·0	81·2	83·6	82·7	88·4	85·7	89·4	86·9	85·8	86·5	83·2	84·4	79·3	81·4	75·5	78·6
10	76·6	79·1	75·8	77·6	77·3	77·7	78·4	79·0	83·6	81·2	84·0	82·7	88·5	85·7	89·4	87·0	85·6	86·4	82·6	84·3	79·4	81·2	75·4	78·5
11	77·4	79·0	76·0	77·6	77·1	77·8	78·9	79·0	83·6	81·4	83·7	82·7	88·3	85·9	89·1	87·0	85·9	86·3	82·2	84·1	79·6	81·1	75·2	78·4
12	77·5	78·9	76·5	77·6	77·0	77·9	79·1	79·0	83·5	81·5	84·3	82·9	88·8	85·9	89·0	87·1	86·1	86·1	81·9	84·0	79·5	81·2	75·2	78·2
13	76·7	78·9	76·7	77·6	77·3	77·9	79·0	79·0	82·8	81·7	84·7	82·9	88·9	86·0	88·2	87·1	86·2	86·1	81·9	83·9	79·2	81·0	75·1	78·1
14	76·4	78·7	77·1	77·6	77·5	77·9	79·1	79·0	81·5	81·6	84·9	82·9	89·1	86·0	88·0	87·1	86·4	86·1	82·4	83·7	78·4	81·0	75·1	78·0
15	77·2	78·6	76·8	77·6	77·5	77·9	79·3	79·0	81·5	81·6	85·1	83·0	88·1	86·0	88·2	87·1	86·3	86·0	82·7	83·6	77·9	80·8	75·1	77·9
16	77·6	78·6	77·0	77·7	77·5	77·9	79·5	79·0	81·0	81·6	85·2	83·1	88·5	86·2	88·2	87·0	85·9	86·0	83·0	83·6	77·9	80·7	75·0	77·9
17	77·3	78·6	76·9	77·7	77·6	77·9	79·4	79·1	80·6	81·5	85·5	83·3	88·5	86·3	88·5	87·0	86·1	86·0	82·8	83·6	78·4	80·4	75·0	77·8
18	77·4	78·6	77·1	77·7	77·8	77·9	79·4	79·2	80·3	81·6	85·3	83·4	88·2	86·4	88·5	87·0	85·7	86·0	82·3	83·6	78·3	80·2	75·0	77·7
19	77·5	78·6	78·0	77·7	78·2	78·0	79·9	79·3	80·8	81·4	85·8	83·6	88·0	86·5	89·0	87·0	85·7	86·0	82·0	83·5	78·7	80·1	75·0	77·6
20	77·5	78·5	78·0	77·8	78·9	78·0	80·1	79·3	81·6	81·3	85·9	83·6	88·0	86·4	89·4	87·1	85·7	85·9	81·7	83·5	79·2	80·0	74·9	77·5
21	77·5	78·5	78·0	77·9	79·1	78·2	79·9	79·4	82·4	81·3	85·8	83·7	87·7	86·3	89·5	87·1	85·5	85·9	80·7	83·2	79·6	80·0	74·9	77·3
22	77·7	78·6	77·6	78·0	79·5	78·3	80·6	79·5	82·7	81·3	86·2	83·9	87·9	86·4	89·0	87·0	85·3	85·8	80·0	83·1	79·5	80·0	74·8	77·2
23	77·7	78·6	77·5	77·9	79·8	78·3	81·4	79·6	82·6	81·4	87·1	83·9	88·0	86·5	88·6	87·1	84·9	85·8	80·0	83·0	79·3	80·2	74·8	77·2
24	77·7	78·6	76·7	78·0	79·5	78·5	81·0	79·7	83·0	81·5	87·6	84·0	88·4	86·5	89·0	87·1	84·6	85·7	80·2	82·8	78·5	80·1	74·4	77·1
25	77·9	78·6	76·1	78·0	79·7	78·6	80·8	79·8	83·5	81·5	88·0	84·1	88·3	86·5	89·0	87·2	84·6	85·7	80·6	82·6	78·0	80·1	74·2	77·0
26	77·0	78·6	75·8	78·0	80·0	78·7	81·0	79·9	83·9	81·6	88·1	84·3	88·5	86·6	88·4	87·2	84·0	85·5	80·6	82·5	78·1	80·1	74·4	77·0
27	76·7	78·6	75·6	77·9	79·7	78·8	81·0	80·0	83·9	81·8	87·9	84·6	88·4	86·5	87·9	87·2	84·0	85·3	80·7	82·4	77·8	80·0	74·8	76·8
28	76·2	78·6	75·7	77·7	79·6	79·0	81·2	80·0	83·9	81·9	87·7	84·7	88·2	86·5	87·5	87·1	84·3	85·0	80·5	82·4	77·8	80·0	75·6	76·6
29	76·0	78·5	--	--	79·6	79·0	81·4	80·1	83·9	82·0	87·9	85·0	87·8	86·5	86·7	87·3	84·0	85·1	80·5	82·2	77·9	80·0	75·3	76·7
30	76·0	78·4	--	--	79·6	79·0	81·8	80·1	84·0	82·1	88·2	85·0	87·3	86·6	87·0	87·1	84·2	85·0	80·3	82·1	77·7	79·7	74·9	76·8
31	76·3	78·3	--	--	80·0	79·1	--	--	84·0	82·2	--	--	87·3	86·6	86·9	87·0	--	--	79·9	82·0	--	--	75·1	76·7
Mean	77·3	78·9	76·6	77·8	78·2	78·1	79·7	79·4	82·6	81·4	85·4	83·3	88·1	86·0	88·5	87·0	85·7	86·1	82·0	83·6	79·0	80·7	75·3	78·0
																						Year	81·6	81·7

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h. to 7h. G.M.T.
Readings in degrees absolute

154. ABERDEEN 1935

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	71·9	74·8	73·2	77·1	78·5	77·0	81·4	79·9	78·8	73·4	74·0	69·5
2	74·0	74·5	76·9	73·2	75·0	79·0	83·6	84·5	85·2	72·2	71·7	73·1
3	74·6	67·7	77·1	72·8	76·6	78·1	78·7	83·4	77·8	82·5	71·8	73·6
4	76·9	71·9	72·7	69·8	77·4	78·7	83·9	85·3	78·7	81·8	82·6	73·6
5	75·2	70·6	72·7	67·9	75·3	79·8	85·3	87·4	80·9	81·9	71·9	65·8
6	73·0	71·2	71·4	71·2	77·4	79·7	82·4	83·9	78·4	81·3	75·9	66·9
7	74·1	70·4	70·3	68·8	75·1	81·7	77·3	80·6	77·1	71·7	68·3	66·4
8	74·7	74·8	74·7	75·0	72·9	80·9	79·4	85·1	77·5	80·0	75·7	68·6
9	69·9	67·8	75·8	71·3	74·8	73·5	81·9	84·9	74·9	72·9	68·5	70·5
10	74·2	71·3	74·4	74·2	78·1	79·2	80·7	84·8	79·9	73·0	74·0	71·2
11	78·3	71·2	74·2	74·2	75·2	81·8	83·1	86·9	83·0	71·8	73·1	69·7
12	71·9	78·6	68·1	74·1	75·4	81·3	80·1	77·9	79·9	72·6	72·5	74·7
13	69·9	72·8	74·6	68·0	74·8	78·5	86·6	74·9	84·2	80·3	69·9	69·2
14	72·3	74·3	76·1	77·0	72·1	77·8	85·0	82·4	84·0	81·0	66·1	72·9
15	77·2	71·6	70·1	76·1	69·9	80·5	79·0	83·6	82·4	82·1	70·0	74·7
16	74·8	74·7	69·9	78·6	71·9	75·7	79·8	79·3	80·8	76·9	73·1	68·1
17	71·6	74·1	76·9	76·7	69·7	79·9	80·2	82·6	82·7	76·8	70·0	70·9
18	77·7	78·9	72·3	78·4	73·5	80·7	77·0	86·6	79·4	74·5	79·6	71·2
19	75·8	81·7	79·4	74·4	75·3	78·8	75·5	84·0	81·4	78·2	75·5	70·6
20	74·7	71·7	78·5	71·9	78·1	82·5	83·8	84·5	82·8	74·7	79·7	72·8
21	74·6	76·7	74·0	78·9	76·8	80·6	81·9	86·1	74·7	69·6	78·7	72·0
22	76·6	72·8	79·7	77·4	72·9	83·6	76·3	76·3	78·0	69·9	78·2	68·3
23	74·1	72·2	73·4	79·0	80·2	84·7	85·0	80·6	79·6	75·1	76·0	67·8
24	76·4	64·7	74·2	70·2	74·7	84·8	77·9	84·5	73·3	79·8	67·9	64·6
25	72·6	71·3	77·9	74·4	79·1	84·3	80·6	85·3	75·7	79·4	71·6	75·5
26	72·0	63·1	76·3	74·6	79·6	85·1	78·6	84·1	73·9	71·7	77·9	78·6
27	71·3	70·1	76·5	78·6	79·5	84·2	86·3	82·8	77·1	76·8	78·1	79·0
28	65·8	76·4	72·4	77·9	77·7	84·9	82·4	78·1	79·3	75·1	76·6	76·7
29	72·6	--	75·3	79·6	78·3	80·1	81·2	81·4	74·1	79·4	72·1	69·1
30	69·7	--	75·1	79·1	79·3	83·3	79·6	81·6	77·6	72·5	72·5	68·6
31	72·9	--	79·1	--	75·5	--	77·4	84·3	--	74·0	--	72·7
Mean	73·6	72·6	74·6	74·7	75·8	80·7	81·0	82·8	79·1	76·2	73·6	71·2
											Year	76·4

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.

K

155. ABERDEEN JANUARY, 1935

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	Ast	Acu:Ast:Ci	Acu:Ast	9	9	4	7	9	10	j	H	H	H	G	G	...	...	...	...	...	●^{0}	b, c, bc, z, *a* : bc, c, *p* : c●^{0}, ♕, *n*.
2	Nbst	Stcu:Cist	---	10	10	9	1	0	0	G	D	E	D	i	i	●^{0}	...	...	...	...	...	off●^{0}, cFF, *a* : cff, bff, b, *p* : b⌓, *n*.
3	---	Acu:Ci	Stcu	0	10	9	7	4	4	j	H	i	H	j	j	...	...	...	...	...	...	b⌓, cy, c, *a* : bc, cqp●^{0}, *p* : bc, b, bc, *n*.
4	Cu:Stcu	Cunb:Stcu	Cunb:Stcu	6	5	8	8	5	2	j	j	k	i	j	j	...	...	...	...	...	...	bc, cp●q, *a* : cqp●^{0}, bcq, *p* : bcqp●^{0}, *n*.
5	Cunb:Stcu	Cu:Stcu:Acu:Ast:Cist	Stcu	2	9	9	8	9	4	j	j	k	k	k	k	...	...	...	...	...	...	b, cp●, *a* : cp●^{0}, c, *p* : cp●^{0}, bc, cp●, *n*.
6	Cunb	Frnb:Cunb	Cu:Stcu	2	5	9	9	9	8	k	k	k	k	k	j	...	...	...	...	...	...	cqp●, *a* : cp● ⌒, *p* : cp●, *n*.
7	Cunb:Stcu	Cunb	Frnb:Cunb	8	6	9	6	9	9	k	k	k	k	j	j	...	...	...	...	●^{2}	...	p●^{0}, cqp●▲, *a* : cp▲, p●, *p* : cp●, bc, *n*.
8	Frnb:Ast	Frnb:Cunb	Ci	9	10	9	8	2	0	j	G	H	G	H	j	...	...	...	...	...	...	b, cp●^{0}, p●✱▲, *a* : cp●, b⌓, *p* : b⌓⊔, *n*.
9	---	Frst:Ci:Cist	Stcu:Acu:Ast:Cist	0	7	9	10	9	10	j	H	G	F	F	G	...	...	...	...	...	...	b⊔c, *a* : c ⊔, *p* : c ⊔, c, *n*.
10	Frnb:Acu:Ast:Cist	Frnb:Acu:Ast:Cist	Frnb:Acu:Ast	10	10	9	10	8	10	j	j	i	i	H	i	...	...	...	...	●^{0}	...	c⌓, c, *a* : c, i●^{0}, *p* : c●^{0}, c, *n*.
11	Frnb	Cunb:Acu:Ast:Cist	Frnb:Acu:Ast	10	10	9	9	9	9	i	H	j	j	j	k	●^{0}	●^{0}	●^{0}	...	●^{0}	...	c, o●^{0}, c, *a* : c●^{0}, c, i●^{0}, *p* : c●^{0}, c, bc, *n*.
12	Cu: Stcu	Cunb	---	1	3	2	1	0	1	1	1	k	1	j	j	...	...	...	...	...	...	b⊔, bcp✱^{0}, *a* : b, *p* : b, bcp✱^{0}, *n*.
13	Cunb	Cunb:Ast	Nbst	6	9	10	10	10	10	j	j	j	i	i	i	✱^{0}	...	...	✱^{0}	✱^{0}	●^{0}	⊠bcp✱^{0}, c, *a* : co✱^{0}, *p* : o✱^{0}, ●^{0}, p●, *n*.
14	St	Cu:Stcu	Frnb	9	9	9	9	9	9	i	1	j	h	j	j	...	...	...	...	●^{0}	...	o, cp●, *a* : c, cp●, d$_0$, *p* : cd$_0$, c, *n*.
15	Stcu	Stcu:Ci	Stcu	2	9	9	9	9	10	k	j	j	H	H	j	...	...	...	...	...	...	c, bc⌓, c, *a* : c, *p* : cⓊ, c *n*.
16	Acu	Cunb:Stcu:Acu	Ci: Cist	10	9	6	1	2	3	j	G	k	i	i	i	...	...	...	...	...	...	c, p●, bc, *a* : bc, b, Ⓤ, *p* : bⓊ, bc, *n*.
17	Stcu	Cu:Cunb	Stcu	9	10	9	10	10	10	j	i	i	j	j	j	...	...	●^{0}	...	...	...	bc, c, p●^{0}, *a* : c, *p* : c, *n*.
18	Stcu	Frst:Stcu	Frst: Stcu	10	10	10	10	10	10	j	i	j	k	j	k	...	...	...	...	...	...	c, *a* : cg, *p* : cg, c, *n*.
19	Stcu	St:Stcu	St: Stcu	10	10	10	10	10	10	j	i	i	i	j	j	...	...	...	...	...	...	c, og, c, *a* : cg, c, *p* : c, *n*.
20	St: Stcu	Stcu	Cu: Stcu	10	9	9	9	8	9	j	j	j	j	j	j	...	...	...	...	...	...	c, p●^{0}, *a* : c, p●^{0}, *p* : c, *n*.
21	Acu: Ci	Stcu:Acu:Ci:Cist	Stcu	7	9	7	9	9	5	j	i	j	j	j	j	...	...	...	...	...	...	bc⌓, c, bc, *a* : bc, c, *p* : c, bc, *n*.
22	Cu:Stcu	Stcu	Stcu	9	10	9	9	3	0	k	j	k	k	k	k	...	...	...	...	...	...	bc, c, *a* : c, bc, *p* : bc, b, bc, *n*.
23	Stcu:Acu	Cu: Stcu:Acu	Stcu:Cist	5	8	7	10	10	7	k	k	k	k	k	k	...	...	...	...	...	...	bc, c, bcqy, *a* : bcy, cy, c, *p* : c, bc, c, *n*.
24	Stcu	Stcu:Acu	Stcu:Acu	9	9	7	9	8	8	j	j	j	i	j	j	...	...	...	...	...	...	c, p●^{0}, bc, *a* : bc, c, *p* : cq *n*.
25	Frnb	Cunb	Cunb	9	6	3	2	6	10	H	j	k	k	k	i	✱	✱^{0}	...	...	✱^{0}	✱	→c, ●, qp✱, bcy, *a* : bcqy, p✱^{0}, *p* : bc, c✱ *n*.
26	Frnb:Cunb	Cunb	Cunb	9	9	6	7	8	7	i	H	k	j	j	k	✱▲	✱▲	✱	...	✱^{0}	✱^{0}	⊠ qp✱▲, bc, *a* : bc, cqp✱, y, *p* : cy, p✱q, *n*.
27	Cunb	Cu: Cunb	Cunb	6	1	5	3	1	0	H	k	k	k	k	k	✱^{0}	...	...	...	...	...	⊠, bc, qp✱^{0}, *a* : bc, p✱, b, *p* : b, *n*.
28	Acu	Cu: Stcu	Frnb:Ast	9	9	9	10	9	10	j	H	H	G	G	G	...	...	...	●^{0}	...	●^{0}	⊠b, c, *a* : cy, cd$_0$, *p* : c, oi●^{0}, *n*.
29	Stcu:Acu:Ci	Cu:Stcu:Acu	Stcu:Ci	3	9	6	9	6	10	i	j	k	j	G	G	...	...	...	...	...	...	⊠ c, bc, *a* : bc, c, bc⌓, *p* : b⌓, c, *n*.
30	Acu:Ast	Stcu:Ast	Cunb:Stcu	9	10	9	9	8	2	H	E	j	j	j	j	...	...	...	...	...	...	b, c, f, p●^{0}, *a* : cp●^{0}, qc, *p* : c, b, *n*.
31	Stcu	Cunb:Stcu	Frnb	1	5	1	1	4	0	1	k	1	1	k	k	...	●^{0}	...	...	...	...	b̄, bcp●^{0}, by, *a* : by, q, bcp●^{0}, *p* : cp●^{0}, q, b̄, *n*.
Mean Cloud Am'nt.				6·7	6·2	7·6	7·4	6·9	6·4													

156. ABERDEEN FEBRUARY, 1935

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	Frnb	Frst:Acu:Cist	St:Stcu:Ci	10	10	10	9	7	0	i	F	i	i	i	k	●^{0}	●^{0}	...	...	...	...	o, ●^{0}, c⊕, *a* : c⊕, c, bc, *p* : bc, b, q, *n*.
2	Cunb	Frnb:Cunb	Frnb: Cunb	8	5	9	9	9	1	j	j	1	i	j	k	●^{0}	...	...	✱^{0}	✱^{0}	...	bcqp●^{0}, cqp✱, *a* : c, p✱^{0}, qp✱, *p* : cqp✱, b♕, *n*.
3	Cunb:Stcu:Ci	St:Stcu:Acu:Ast:Ci	Stcu	1	10	9	9	9	5	1	j	i	H	i	i	...	...	...	...	...	...	⊠⊔, y, cf, *a* : c, *p* : c, b, c, *n*.
4	Stcu	Cunb:Stcu:Acu	Acu:Ast	9	9	8	9	9	1	i	H	H	i	i	i	...	...	...	...	...	...	b⊔, c, f, c, *a* : c, *p* : c, b, ⊔, *n*.
5	Acu:Ast	Cunb:Ci	Cunb:Stcu	1	2	2	7	6	9	i	j	k	k	j	j	...	...	...	...	...	●^{0}	b⊔, y, *a* : by, bc, *p* : bc, cp●^{0}, *n*.
6	Cunb	Stcu	Cunb:Stcu	6	7	7	9	3	9	k	k	k	k	k	j	...	...	...	...	...	...	cp●^{0}, p✱^{0}▲^{0}, bcy, *a* : cy, bc, *p* : bc, c, bc, *n*.
7	Stcu:Acu:Ast	Acu:Ast	St	6	8	8	9	10	10	j	h	i	i	E	G	...	...	...	...	...	●^{0}	bc, c, *a* : c, o, f, *p* : of, ci●^{0}, *n*.
8	Frnb:Ast	Stcu: Acu	Stcu:Acu	10	8	3	1	1	1	i	H	H	G	F	E	...	...	...	...	...	...	ci●^{0}, bc, *a* : bc, bz, *p* : b, f⊔, *n*.
9	Ci	Acu: Ast	Acu: Ast	1	0	1	8	4	3	F	D	H	H	G	i	...	...	...	...	...	...	bf⊔, V b, *a* : b, c, bc, *p* : bcⓊ, *n*.
10	Stcu	Acu: Ast: Cist	Acu: Ast:Cist	9	9	8	7	8	10	j	j	j	i	G	H	...	...	...	...	...	●^{0}	ci●^{0}, ⊕, *a* : c⊕, bcy, c, *p* : c, ●^{0}, c, *n*.
11	Stcu:Acu	St:Ast	Frnb:Acu:Ast	9	6	10	10	9	9	i	D	H	G	H	j	...	...	●^{0}	...	...	...	c, ⊔, bc, ⊕fc●^{0}, *a* : ci●^{0}, *p* : c, q, d$_0$, *n*.
12	Stcu	Cu:Stcu:Cist	Stcu:Acu:Cicu	2	8	9	8	7	8	k	1	1	1	i	G	...	...	...	...	...	...	c, b, c, *a* : c, bc, Ⓤ, *p* : bcⓊ, c, *n*.
13	Cu:Stcu	Cu:Stcu:Acu	Stcu:Acu	9	6	8	8	6	9	j	F	k	j	i	H	...	...	...	...	...	...	c●, c, bc, *a* : bc, c, bc, *p* : bc, c, i●^{0}, *n*.
14	Stcu	Cunb: Ci	Stcu:Cist	2	7	3	5	9	9	k	1	1	1	F	H	...	●^{0}	...	...	...	...	ci●^{0}, b, qo●→, ✱^{0}▲^{0}, *a* : bc, cp●, *p* : cⓊ, c, *n*.
15	Ast	Frnb:Ntst	Frnb	10	10	10	10	10	10	i	H	H	i	E	G	...	●	...	...	●	...	c, ●, c, *a* : c, o●f, *p* : o●f, ci●^{0}, Ⓤ, *n*.
16	Nbst	Frnb:Nbst	Frnb:Nbst	10	10	10	10	9	2	i	F	i	j	j	k	...	●	●^{0}	●^{0}	...	...	c●, *a* : c●^{0}, *p* : c, Ⓤ, b, c, *n*.
17	Acu:Ast:Cist	Cu:Stcu:Acu:Ast:Cist	Frnb:Acu:Ast	10	9	8	10	10	8	k	H	j	j	i	H	...	...	...	...	...	...	c, *a* : c, y, d$_0$, *p* : c, Ⓤ, *n*.
18	Stcu: Ast	Frnb:Acu:Ast	Frnb:Stcu: Acu:Ast	9	8	10	9	10	10	j	j	j	G	j	j	...	...	...	●^{0}	...	...	c, ●^{0}, *a* : cid$_0$, c, *p* : c, *n*.
19	Frnb:Acu:Ast:Cist	Cu:Acu	Acu	10	10	4	7	1	9	k	j	1	1	H	j	...	●	...	...	...	...	c, ●, bcq, *a* : bc, ⊕, b, *p* : b, c, *n*.
20	Frnb	Frnb:Acu:Ast	Stcu:Ci	9	10	9	8	1	0	H	H	i	i	k	j	●^{0}	●^{0}	...	...	...	...	ci●^{0}, o●^{0}, c, *a* : c, p●^{0}, b, *p* : b, *n*.
21	Stcu:Acu	Cunb:Stcu:Ci	Stcu	5	8	9	8	5	0	k	k	k	k	k	h	...	...	...	...	...	...	b, c, q, p●^{0}, *a* : cy, bcq, *p* : bcy, b, *n*.
22	Frcu:Ci	Cu:Stcu:Ci	Cunb: Stcu	2	2	3	9	10	9	k	k	k	1	j	k	...	...	...	...	●^{0}	...	b, ⌓, ⊔, bcy, *a* : cy, p●^{0}, *p* : cp●, *n*.
23	Cunb:Stcu:Ci	Cu:Cunb:Ci	Cunb: Stcu	9	7	6	7	1	0	1	1	k	k	k	k	...	...	...	...	...	...	cp●, qp✱^{0}, bcy, *a* : bcy, p✱▲, *p* : b, ⊔, *n*.
24	---	Acu: Ci	St:Stcu:Ast	0	1	8	9	9	8	k	k	k	i	H	k	...	...	...	...	...	...	b⊔, bcy, *a* : cy, *p* : cy, p✱^{0}, c, *n*.
25	Cu:Stcu	Cunb	Cunb	9	4	2	3	8	9	1	1	m	k	j	k	...	...	...	...	✱^{0}	✱^{0}	c, y, p✱, b, *a* : b, cp✱^{0}, *p* : cp✱^{0}, bc, *n*.
26	Ci	Acu: Cicu	Acu: Ci	1	8	7	7	4	0	i	i	k	j	i	i	...	...	...	...	...	...	⊠b, cy, bcy, *a* : bcy, bc, *p* : bc, b, *n*.
27	Acu:Ast	Frcu:Cunb:Ast	Frnb	9	8	9	10	10	10	j	H	i	i	G	j	...	...	...	●^{0}	●	●^{0}	c, y, ⊕, q, *a* : cy, o●, *p* : o●, od$_0$, *n*.
28	Frnb	Frnb:Cunb	St: Stcu	10	10	9	9	10	9	H	G	G	H	H	H	●^{0}	●^{0}	...	...	...	●^{0}	o, ●, p●, *a* : c, *p* : ci●^{0}, b, *n*.
Mean Cloud Am'nt.				6·6	7·1	7·1	8·0	7·0	6·0													
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.						

157. ABERDEEN MARCH, 1935

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	Frst:Stcu	Frst:Stcu	Frnb:Cunb:Nbst	9	2	10	10	10	10	H	H	H	H	H	H	...	...	...	...	●^{0}	●^{0}	bc, c, *a* : c, p●^{0}, *p* : ci●^{0}, *n*.
2	Frnb	Cu:Stcu	Frnb:Acu:Ast	10	10	10	10	9	10	i	j	i	j	i	i	●^{0}	...	...	●^{0}	●^{0}	●	o●, c, *a* : c, ci●^{0}, *p* : ci●, *n*.
3	Frnb: Ast	Frnb: Ast	Frnb	10	10	10	10	10	10	i	j	H	H	H	H	...	...	...	●^{0}	●	●^{2}	ci●^{0}, o●, *a* : ci●^{0}, o●, *p* : o●, c, *n*.
4	Stcu: Acu	Cu:Acu:Ci	Frst:Cunb:Acu	3	2	3	1	2	10	H	j	k	j	i	i	...	...	...	...	...	...	c, bc⌓, y, *a* : bc, b, *p* : b, c, *n*.
5	Stcu:Acu:Ast:Cist	Cu:Ast	Cunb:Stcu:Cist	9	10	9	8	1	0	k	j	k	k	k	i	...	...	...	✱	...	...	c, y, *a* : cqp✱, b, *p* : b, *n*.
6	Acu:Ast:Ci	Stcu:Acu	St:Stcu:Ast	9	9	9	8	9	1	k	j	k	k	H	j	...	...	...	...	...	...	b, ⊔, c, *a* : c, *p* : c, b, *n*.
7	Ci	St	Frst: Ci	1	0	10	10	2	1	G	E	E	E	H	G	...	...	...	...	...	...	b, ⊔, ff, *a* : off, b⌓, *p* : b, bc, *n*.
8	St:Stcu	Cu: Acu	Stcu	9	9	5	9	10	10	k	k	k	j	H	i	...	...	...	...	...	...	bc⌓, c, bc, *a* : bc, c, *p* : c, *n*.
9	Stcu	Stcu	Stcu:Ci	9	9	9	9	5	8	k	H	k	k	k	k	...	...	...	...	...	...	c, y, c, y, *a* : cy, bc, *p* : bc, c, *n*.
10	Stcu	Stcu	Stcu:Acu	9	8	7	6	5	1	k	l	k	k	k	k	...	...	...	...	...	...	c, bc, *a* : bc, *p* : bc, b, *n*.
11	Stcu:Acu	Frcu	Cu	1	1	1	1	1	2	l	k	l	k	k	H	...	...	...	...	...	...	b⊔, b, *a* : b, *p* : b, *n*.
12	Cu:Stcu	Cu:Stcu	Stcu	3	9	9	9	10	10	F	E	k	k	j	H	...	...	...	...	...	...	b⊔, Vff, cff, c, *a* : c, *p* : c, o, c, *n*.
13	Stcu	Stcu	Stcu	10	10	9	10	10	10	j	i	i	i	H	i	...	...	...	...	...	...	c, *a* : c, *p* : c, *n*.
14	Stcu	Stcu	Stcu:Ci	10	10	7	9	4	0	i	H	j	j	j	G	...	...	...	...	...	...	c, bc, *a* : bc, c, bc, *p* : b⌓, c, *n*.
15	Stcu	Cu:Acu	Cunb:Stcu	9	9	7	9	8	10	j	j	G	H	i	H	...	...	...	...	...	...	c, bc, *a* : bc, c, *p* : c, *n*.
16	Stcu:Acu	Cunb:Stcu	St	10	10	10	10	10	10	F	E	H	G	G	G	...	...	...	...	...	...	bc⌓, c, off, c, *a* : c, og, *p* : og, o, *n*.
17	St	St:Stcu	Cunb:Stcu	10	10	10	10	10	10	G	G	H	H	H	H	...	...	...	...	...	...	o, c, *a* : c, u, *p* : cu, bc, c, *n*.
18	St	Stcu	Frnb:Acu:Ast	10	9	10	9	9	10	F	F	G	G	G	G	...	...	...	●^{0}	●^{0}	●^{0}	c, om, cz, c, *a* : c, ●^{0}, *p* : c●^{0}, *n*.
19	Cunb:Stcu:Ast	Stcu: Acu	Acu:Ast	10	10	9	10	10	10	j	i	j	G	G	H	...	...	...	...	...	...	c●^{0}, c, *a* : c, *p* : c, [T], bc, *n*.
20	Cu:Stcu:Cist	Cu:Ci	Cu:Acu	2	1	9	8	8	8	j	l	l	k	k	j	...	...	...	...	...	...	cq, b, y, cy, *a* : cy, *p* : cy, c, bc, *n*.
21	Stcu:Ci	Stcu:Acu:Ci	Stcu:Ast	9	8	9	10	10	10	j	G	j	i	i	j	...	...	...	...	...	●^{0}	bc⌓, c, ⊕, y, *a* : cy⊕, c, *p* : c, i●^{0}, *n*.
22	St:Stcu:Ast	Cu:Acu	Cu:Stcu:Acu:Ci	10	8	4	3	8	8	i	j	k	j	H	j	...	...	...	...	...	...	c, p●^{0}, bcy, *a* : bcy, bc, cp●^{0}⌒, *p* : c, p●, bc, *n*.
23	Cu:Stcu:Acu	Cunb:Ci	Cu:Stcu:Cist	1	3	8	5	9	8	l	k	l	l	k	k	...	...	...	...	...	...	bc, b⌓, cqp●, y, *a* : cy, bcy, ⊕, c, *p* : p●^{0}, c, *n*.
24	Cu:Cist	Cu:Cist	Acu:Cist	1	1	4	7	7	10	k	l	l	k	G	j	...	...	...	...	...	...	bc, b, bcy, *a* : bcy, ⊕, bc, *p* : bc, c●, c, *n*.
25	Stcu:Acu:Ast:Cist	Cu:Cicu:Cist	Stcu:Cicu:Ci	10	10	10	9	6	2	l	k	l	l	j	j	...	...	...	...	...	...	c, y, *a* : cy, ⌽, bcy, *p* : bcy, b, *n*.
26	Frcu:Acu:Ci	Cu	Cu:Acu	3	6	4	2	2	0	l	l	l	l	l	l	...	...	...	...	...	...	b, bc, y, q, *a* : bcy, by, q, *p* : by, b, *n*.
27	Cu:Stcu	Cu:Cunb:Ci	Cunb:Stcu:Acu:Ci	1	1	6	8	6	1	l	l	k	k	k	k	...	...	...	...	...	...	b, ⌒, bcy, *a* : bcy, cy, ⊕, bc, *p* : bc, b, ⌓, *n*.
28	Stcu:Acu:Ci	Cu:Stcu:Cist	Cu:Stcu: Ast	4	6	10	10	10	10	k	k	k	l	j	j	...	...	...	...	...	●^{0}	b⌓, bc, ⊕, cy, *a* : cy, p●^{0}, *p* : cp●^{0}, ●^{0}, *n*.
29	Frnb: Cunb	Acu:Ast	Stcu:Acu:Ast	9	8	9	9	10	10	j	k	k	k	j	j	●^{0}	...	...	...	...	●^{0}	c●^{0}, d_0, ●^{0}, cy, *a* : cy, c, *p* : c, i●^{0}, ●^{0}, *n*.
30	Frnb: Ast	Cu:Stcu	St:Nbst	10	10	10	10	10	10	G	E	k	l	j	i	●^{0}	...	...	...	●^{0}	●^{0}	oi●, d_0d_0c, ff, c, *a* : c, ●^{0}, *p* : co●^{0}, ●, *n*.
31	Stcu:Nbst:Acu:Ast	Cunb	Stcu:Ast:Cist	9	9	9	7	9	9	k	k	l	l	l	l	...	●^{0}	...	...	...	...	o●^{0}, c, p●^{0}, *a* : c, bc, q, ⊕, cy, *p* : cy, p●^{0}, bc, *n*.
Mean Cloud Am'nt.				7·1	7·0	7·9	7·9	7·4	7·1													

158. ABERDEEN APRIL, 1935

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	Cunb:Acu	Frnb:Cunb	Cunb:Acu:Ci	9	9	10	10	9	9	l	l	i	j	k	j	●^{0}	●^{2}	●	...	...	●^{0}▲	bc, y, →, cp●^{2}, *a* : cqp●^{0}, *p* : c, qp●▲, *n*.
2	Cunb	Cunb	Cunb:Acu:Ci	5	7	3	6	3	0	k	j	k	l	l	k	...	...	...	...	...	...	bcqp●^{0}, p✱^{0}, *a* : bc, p●^{0}, *p* : b, bcp✱^{0}, *n*.
3	Cunb:Stcu	Frcu:Cunb:Cist	Cunb:Stcu:Ast	8	9	9	10	10	10	k	j	l	l	k	j	✱^{0}	✱^{0}	...	...	●^{0}	●^{0}	⊠ cp✱, q, p✱^{2}▲^{2}, c⊕, *a* : c, p●, *p* : c●^{0}, qp✱, *n*.
4	Frnb:Cunb	Frnb:Cunb:Ci	Frnb	10	10	6	9	10	10	E	F	l	i	i	j	✱	✱	...	✱^{0}	✱^{0}	...	⊠ qp✱, f, cp✱^{2}, *a* : bc, cp✱, co✱^{0}, *p* : o✱^{0}, p✱, p✱, *n*.
5	Frnb:Cunb	Cu:Stcu:Ci	Cunb:Ci	4	9	9	10	4	1	k	k	l	G	k	k	...	...	...	✱	...	...	⊠ cp✱, c, *a* : c, p✱, p✱, bc, *p* : bc, *n*.
6	Cunb:Ci	Cu:Cunb	Cu:Cunb	2	5	6	8	1	0	l	l	k	k	l	k	...	●^{0}	...	...	...	...	cp▲, b, bcp●^{0}, p✱▲, *a* : bc, cp●^{0}, by, *p* : by, b, ⊔, *n*.
7	Ci	Cu:Cist	Cu:Acu: Cist	7	7	6	7	7	10	k	i	k	k	k	j	...	...	...	...	...	...	bc⊔, ⊕, *a* : bc⊕, bc, *p* : c, ●, *n*.
8	Frnb	Cunb:Stcu	Cunb:Stcu	10	10	10	10	8	6.	j	j	k	k	k	k	●	...	...	...	...	...	o●, i●q, c, *a* : c, p●^{0}, *p* : bc, ⊔, *n*.
9	Frnb	Frst: Ast	Stcu	10	10	10	6	2	2	H	H	i	j	G	G	●	●	...	...	...	...	bc⊔, o●, ●^{0}, c, *a* : c, b, *p* : b, ⌓, bc, *n*.
10	St	Frnb:Nbst	St:Stcu:Ast	10	5	10	9	9	9	G	j	j	l	k	j	●^{0}	...	●^{0}	...	...	...	bc, o●^{2}, ●^{0}, bc, c●, *a* : c●^{0}, c, *p* : c, bc, *n*.
11	Cunb:Stcu	Cu:Stcu	Frnb:Cunb:Acu:Ci	8	7	7	10	9	5	k	k	k	j	k	k	...	...	...	●	●^{0}	...	bc, cp●^{0}, bcy, *a* : bcy, cqp●, *p* : cp●^{0}, bc, *n*.
12	Acu	Cu:Cumb	Cu:Stcu	1	4	8	5	1	0	k	k	k	l	l	l	...	...	...	...	...	...	bc, p●^{0}, p▲^{0}, cy, *a* : cp●^{0}△^{0}, by, *p* : by, b, ⊔, *n*.
13	Ci	Stcu:Cicu:Cist	Stcu:Acu:Ast:Cist	3	4	9	9	9	10	k	l	l	j	i	i	...	...	...	...	...	●^{0}	b⊔, bcy, ⊕, *a* : cy⊕, c, *p* : c, i●^{0}, *n*.
14	Cu:Ast	Cu:Acu:Ci	Stcu:Acu:Ci	9	9	6	2	5	9	j	j	k	k	j	j	...	...	...	...	...	●	c, bc, *a* : bcy, by, bc, *p* : bc, cp●, c, *n*.
15	Frnb:Stcu	Frnb:Cist	Frnb: Ast	10	10	10	10	10	10	i	H	H	H	G	G	...	...	...	...	●^{0}	...	c, o, c, *a* : c, o, ci●^{0}, *p* : ci●^{0}, o, *n*.
16	Frnb	Frnb:Nbst	Frnb	10	10	10	10	10	10	G	G	i	H	H	H	●	●	●	●	●	●	o, ●, *a* : o●, *p* : o●, o, *n*.
17	Frnb:Cunb:Stcu	Frnb:Nbst	Frst:Cunb:Acu:Cist	9	10	10	9	9	10	H	H	G	i	j	j	●^{0}	●	●	...	...	●	o, c, p●^{0}, o●, *a* : o●, c, *p* : c, p●, *n*.
18	St:Stcu:Acu	Cunb:Stcu:Acu:Ci:Cicu	Cu:Stcu:Acu	9	9	4	3	3	1	i	j	i	j	j	j	...	...	...	...	...	...	c, bc, ⊕ bc, *a* : bc, *p* : bc, b, *n*.
19	Stcu	Cu:Stcu	Stcu	7	7	7	1	1	0	i	j	j	j	i	i	...	...	...	...	...	...	bc, ⌓, p●^{0}, *a* : bc, b, *p* : b, *n*.
20	St:Ast	Frnb	St	10	10	10	10	10	10	G	i	G	G	D	D	...	●^{0}	●^{0}	...	●^{0}	●^{0}	bc, ⌓, c●^{0}, od_0, *a* : oid_0, F, *p* : oid_0F, ●^{2}, *n*.
21	St	St:Cist:Cicu:Ci	Cu:Stcu:Cist	10	3	9	9	9	8	G	i	H	H	H	H	...	...	...	...	...	...	oi●^{0}, ●^{2}, f, bc, *a* : c, ⊕, c, *p* : c, ⌓, f, *n*.
22	St	Cu:Stcu:Acu:Cicu:Cist	St	10	10	9	9	10	10	D	G	H	i	H	F	...	...	...	...	...	●^{0}	cf, of, c, ⊕, *a* : bc⊕, c, o, *p* : $ocid_0$, o●^{0}, *n*.
23	Frnb	Frnb:Cunb:Acu	Stcu: Acu:Ci	10	8	9	9	1	1	H	j	l	l	l	l	●	...	●	...	...	...	o●, ●^{0}, c, *a* : cp●, b, *p* : b, b⌓, ⊔, *n*.
24	Acu: Cist	Stcu: Cist	Cu:Cicu	8	10	9	5	2	1	k	l	l	l	l	l	...	...	...	...	...	...	b⊔, c, ⊕, c, *a* : c, b, *p* : b, ⌓, *n*.
25	St: Stcu	Cu: Stcu	Stcu	9	9	9	10	9	0	k	k	k	k	k	k	...	...	...	...	...	...	c⌓, c, *a* : c, p : c, b, cd_0, *n*.
26	St: Stcu	Cu: Stcu	Stcu	9	10	9	9	10	10	k	k	k	k	k	k	●^{0}	...	...	...	...	...	cid_0, p●^{0}, *a* : c, *p* : c, *n*.
27	Frnb	Stcu	Cu:Stcu	10	9	10	10	7	9	H	k	k	k	k	k	●^{0}	...	...	...	...	...	c, od_0, c, *a* : c, bc, *p* : bc, c, *n*.
28	Stcu	Stcu	Stcu	9	9	10	10	10	10	k	k	k	k	k	j	...	...	...	...	...	●^{0}	c, y, *a* : cy, c, *p* : c, p●, *n*.
29	Cu: Stcu	Cu: Stcu:Acu:Ci:Cicu	Cu:Stcu:Acu	9	9	8	9	7	9	k	k	k	l	k	k	...	●^{0}	...	...	...	...	c, p●^{0}, y, *a* : cy, bc, *p* : bc, cp●^{0}, *n*.
30	Cu: Stcu	Cu: Stcu	St:Stcu	9	10	9	9	8	9	j	k	k	k	i	j	...	...	...	...	...	...	c, p●^{0}, od_0, *a* : cid_0, c, *p* : c, *n*.
Mean Cloud Am'nt.				8·1	8·3	8·4	8·1	6·8	6·3													

Day | 7h | 13h | 18h | Cloud Forms | 7h | 9h | 13h | 15h | 18h | 21h | Cloud Amount (All Forms) | 7h | 9h | 13h | 15h | 18h | 21h | Visibility | 7h | 9h | 13h | 15h | 18h | 21h | Precipitation. | Remarks on the Weather of the Day.

159. ABERDEEN MAY, 1935

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	Cu:Ci	Stcu	9	9	2	3	7	6	j	j	k	k	k	j	...	...	...	...	...	...	c, b, a : b, bc, p : bc, ⌓, n.
2	Stcu	Cu:Stcu:Acu	Stcu	9	10	9	9	10	10	F	F	F	H	H	H	...	...	...	...	...	...	bc⌓, c, p●°, a : c, p : c, bc, n.
3	Stcu:Acu	Cu:Stcu:Ci	Cu:Stcu	9	10	9	9	9	6	E	H	H	i	i	H	...	...	...	...	...	...	bc, ⌓, fc, ⊕, y, a : c, y, p : c, bc⌓, n.
4	Acu	Acu: Ci	Cist	7	6	1	1	3	3	H	H	i	i	i	i	...	...	...	...	...	...	bc⌓, by, a : by, bc⊕, p : bc⊕, b, ⌓, n.
5	St:Acu:Cicu	Acu	Acu	7	7	3	1	3	4	i	H	i	i	i	i	...	...	...	...	...	...	bc⌓, bc, a : bc, b, bc, p : bc, ⌓, n.
6	St	Cu:Stcu:Acu:Ci	Cicu	10	9	5	1	1	7	j	j	k	k	k	k	...	...	...	...	...	...	bc⌓, o, bc⊕, a : bc, b, y, p : b, bc, ⌓, n.
7	Stcu	Stcu	Stcu	10	10	9	9	3	2	k	k	k	k	k	k	...	...	...	...	...	...	bc⌓c, c, a : c, bc, p : bc, b, ⌓, n.
8	Cist	Acu	Stcu	6	7	7	8	6	9	i	i	j	k	j	j	...	...	...	...	...	...	b⌓bc, ⊕, a : bc, c, bc, p : bc, c, ⌓, n.
9	Cu: Stcu	Acu	Frst	9	10	1	1	4	7	i	j	l	k	j	D	...	...	...	...	...	...	c⌓, c, b, a : b, bc, p : bc, ofd$_0$, c, n.
10	Frnb	Acu	Acu	10	10	2	1	1	1	H	l	k	k	k	k	●°	...	...	...	...	...	c, od$_0$, b, a : b, bc, b, p : b, ⌓, bc⌓, n.
11	Acu	Cu:Stcu:Acu	Stcu:Ci	5	5	9	9	4	9	k	l	l	l	l	l	...	...	...	...	...	...	bc⌓, cy, a : cy, c, p : c, bc, c, n.
12	Cunb:Stcu	Cunb:Stcu	Cunb:Stcu	8	9	9	9	9	9	l	l	l	l	k	k	●	...	...	●°	●°▲°	...	c, p●, qp●°▲°, y, a : cy, p●°, q, p : cqp●^{2}▲^{2}, n.
13	Stcu:Acu	Frnb	Frnb:Cunb:Ci	7	10	10	10	9	6	k	k	H	E	H	j	...	●°	●	✳	...	...	c, bc, o●°, ●, a : o✱, ✳, c, p : c, bc, cp✳▲, n.
14	Cunb	Cu	Stcu	1	5	2	2	2	8	k	l	l	l	l	l	...	...	...	...	...	...	⊠bcp✳°, △°, q, by, a : by, b, p : b, ⌓, c⊔, ⊕, n.
15	Ast:Cist	Frnb:Nbst	Frnb:Ast	10	10	10	10	10	10	j	i	i	j	j	k	...	●°	●°	●	●	...	c⊔, c, ✱, ●°, a : c●°, o●, q, p : c●, p●, c, n.
16	Cunb	Cunb:Ci	Frnb:Cunb	3	5	9	10	9	6	k	l	l	k	G	j	✳	...	...	...	✳°	...	cqp✳⊠, a : cp✳°, o✳°, p : ci✳°, p✳, n.
17	Cunb	Frnb:Cunb	Frnb:Cunb	8	10	10	9	10	9	j	G	G	j	j	j	...	✳	●^{2}	...	●°	...	⊠ cp✳, ✳, p●^{2}, a : c, p●△, p●^{2}, p : cqp●^{2}, n
18	Frnb:Cunb	Cu:Cunb	Cunb:Ci	9	9	9	4	7	8	k	k	k	k	k	k	...	...	...	...	...	...	cqp●^{2}, a : bc, ⊕, p : bc, c, bc, n.
19	Cu:Ci	Cu	Frnb:Cunb	5	5	2	3	10	9	k	k	l	k	H	i	...	...	...	...	●°	...	bc, b, a : b, cp●°, p : c●°, c, n.
20	St:Stcu:Acu	Cu	Stcu	9	7	2	1	5	6	j	k	k	j	j	j	...	...	...	...	...	...	c, b, a : b, bc, p : bc, n.
21	Cu:Stcu:Acu	Cu:Ci	Stcu:Acu:Ci	7	5	5	1	1	5	l	l	l	l	l	k	...	...	...	...	...	...	bc, a : bc, by, p : by, bc⌓, c⌓, n.
22	Stcu	Cu:Stcu	Cunb:Stcu	10	10	10	9	10	9	i	k	l	j	k	i	...	...	...	...	...	...	c⌓, c, a : c, p : c, n.
23	Stcu	Cu:Stcu:Ci	Cu:Stcu:Ci	10	10	9	9	1	9	j	j	k	k	i	E	...	...	...	...	...	...	c, a : c, y, b, p : b, ⌓, cf, bf, n.
24	Cu:Acu	Cu:Stcu	Cu	1	5	1	1	1	4	k	k	j	j	k	j	...	...	...	...	...	...	b, bc, b, a : b, p : b, bc, c, n.
25	St:Stcu	Cu	Stcu	10	7	1	1	1	9	j	k	k	k	k	k	...	...	...	...	...	...	c, b, a : b, p : b, c, n.
26	Stcu	Stcu	Stcu	9	9	8	4	1	10	k	l	l	l	l	k	...	...	...	...	...	...	c, a : c, b, p : b, c, n.
27	Frnb	St:Stcu	St	10	10	9	10	10	10	H	H	j	j	E	D	●°	●°	...	...	...	...	cd$_0$, od$_0$, c, a : c, o, f, p : ofefe, n.
28	St	St	St	10	10	10	10	10	10	D	D	H	H	H	H	...	...	...	...	...	...	ofefe, o, a : o, p : o, n.
29	Stcu	Stcu	Stcu	10	10	9	9	10	10	H	i	k	k	k	k	...	...	...	...	...	...	o, c, a : c, p : c, n.
30	Stcu	Cu	Ci	10	10	1	1	1	4	k	l	k	k	l	l	...	...	...	...	...	...	c, b, a : b, p : b, bc⌓, c, n.
31	Stcu	Cu:Stcu	Cu:Stcu	9	9	9	6	6	9	l	l	l	l	l	l	...	...	...	...	...	...	c⌓, (), c, a : c, bc, p : bc, c, n.
Mean Cloud Am'nt.				8·0	8·3	6·2	5·5	5·6	7·2													

160. ABERDEEN JUNE, 1935

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	Cu:Stcu	Cu:Stcu	9	9	8	8	6	9	k	l	k	k	k	k	...	...	...	...	...	...	c, y, a : cy, bc, p : bc, c, n.
2	Stcu	Stcu	Stcu	10	9	9	9	9	10	l	l	k	l	k	l	...	...	...	...	...	...	c, y, a : cy, c, p : c, n.
3	Frnb	Frnb:Stcu	Frnb:Ast	10	10	10	10	10	10	i	j	k	k	k	j	●	●°	●°	...	●°	...	c, o●, ●^{2}, ●°, a : c●°, c, id$_0$, p : cid$_0$, c, n.
4	Frnb:Stcu:Acu	Cu:Stcu:Cist	Frnb:Ast	9	9	9	9	10	10	k	k	k	k	k	k	...	...	...	...	●°	●°	c, (), a : c(), c, ●°, p : c●°, ●, n.
5	Frnb	Frnb	Frnb	10	10	10	10	10	10	H	H	H	H	G	G	●	●	●	●	●	●	o●, ●^{2}, ●, a : oq●, ●^{2}, p : o●, n.
6	Frnb	Frst:Cunb:Acu:Ci	St	10	10	8	9	10	10	G	G	G	i	G	G	●°	●°	...	...	●°	●°	oi●, id$_0$f, c, a : c, o●°, p : o●°, c, n.
7	Frst:Cunb:Cist	Frnb:Cunb:Acu	Frnb:Cunb:Stcu:Ci	9	9	9	7	9	9	k	j	j	j	j	j	...	...	...	...	...	...	c, ●°, ●, a : c☈, bc, cp●, p : c, n.
8	Stcu:Acu	Cu:Stcu:Ast:Cist	Cunb:Stcu:Acu: Ci	9	9	9	10	7	1	k	k	l	l	l	l	...	●°	...	●°	...	...	c, p●, ⊕ a : cp●°, bcy, p : bcy, q, b⌓, n.
9	Stcu: Ci	Cu:Stcu:Cist: Ci	Stcu:Ast:Cist	1	8	1	5	10	9	m	l	l	j	i	j	...	...	...	...	...	...	b⌓, y, c, b, ⊕, a : b⊕, c, p : c, n.
10	Frst:Cunb:Ast	Frnb:Ast	St	10	9	10	10	10	10	i	H	H	H	F	H	●°	...	●°	●°	●	●°	c, id$_0$, ●°, a : c●°o, d$_0$, ●, p : o●, ●°, f, n.
11	St	Stcu:Acu:Ci	Frnb:Cunb:Stcu	10	9	5	5	10	9	D	j	H	i	i	i	...	...	...	...	●	...	ofefe, bc, a : bc, q, cp●, p : cp●, n.
12	Cu:Stcu:Acu:Ci	Cu: Ci	Cunb:Acu:Ci	9	9	5	2	6	2	l	j	l	k	k	k	...	●°	...	...	...	...	c, p●°, bcy, a : bcy b, bc, p : bc, b⌓, n.
13	Cu:Stcu:Acu	Cunb:Acu	Cunb	8	6	6	7	7	3	k	k	k	j	j	k	...	...	...	●°	...	...	b⌓, c, p●^{2}, bc, a : bcp●°, c☈p●^{2}, p : bc, p●, b, n.
14	Stcu	Cu:Cunb: Cist	Acu: Cicu	10	7	9	2	4	6	k	k	k	i	i	i	...	...	...	...	...	...	c, bc, c, ⊕, a : c⊕, b, bc, p : bc, c, n.
15	Frnb	Cu:Cunb:Acu	Cu:Stcu: Acu	10	10	7	6	4	9	F	G	k	j	j	j	●°	●°	...	●°	...	●	off, ●°, bc, a : bc, p●°, p : bc, cp●, b, n.
16	Cu:Stcu	Cu:Ci	Frnb:Cunb:Acu:Ci	9	7	6	8	8	9	j	k	j	j	j	j	...	...	...	●	...	●°	b, c, bc, a : bc, c, u, p●^{2}, p : cp●, n.
17	Cunb:Stcu:Acu	Cu:Cunb:Ci	Cunb:Stcu	9	9	9	9	9	9	k	k	l	j	j	j	...	...	...	●°	●°	...	c, p●°, a : cp●°, p : c, n.
18	Cunb:Stcu:Acu	Cu:Acu:Cicu	Cu:Stcu:Acu:Ci	8	7	5	4	8	9	i	j	k	k	j	j	...	...	...	...	...	...	c, bc, a : bc, c, p : c, bc, n.
19	Cu:Stcu:Acu	Cu:Ci	Cu:Acu:Ast:Cist	4	1	2	7	8	10	j	j	j	j	i	H	...	...	...	...	...	●°	bc, b, a : b, c, p : c, i●°, n.
20	Frnb	Frnb:Acu: Ast	Cu:Stcu:Acu:Cicu	10	10	10	10	4	7	G	E	G	i	j	j	●	●°	...	...	...	...	c, o●°, if●, c, a : c, bc, p : bc, n.
21	Frst:Acu:Cicu	St:Stcu	Cu:Acu	4	9	9	3	6	8	j	i	i	j	j	i	...	...	...	...	...	...	bc, c, a : c, bc, p : bc, c, bc, n.
22	St:Acu:Cicu	Acu	Frst:Acu	6	4	1	1	7	6	i	H	i	i	i	i	...	...	...	...	...	...	bc, ⌓, b, a : b, bc, p : bc, n.
23	St:Stcu	St	Cu:Stcu:Cist	10	10	10	6	10	10	k	j	G	G	H	H	...	...	...	...	...	...	bc, c, o, a : o, bc, c, p : c, n.
24	St	Ci	Acu:Ci	10	8	5	4	4	10	i	j	i	i	H	G	...	...	...	...	...	...	c, m, ⊕, bc, a : bc, p : bc, ⌓, o, n.
25	St	Acu:Cist:Ci	St	10	10	6	10	10	10	H	H	i	i	E	E	...	...	...	...	...	...	o⌓, o, bc⊕, a : bc⊕, o, ff, p : ff, bc⌓, off, n.
26	St	St:Acu	Frnb	10	10	9	10	10	8	G	G	j	i	F	F	...	...	...	●°	●°	...	oifid$_0$, o, c, a : c, ●°, d$_0$, o●°, p : oi●°, cm, n.
27	Stcu	Frnb:Cunb:Stcu	Cunb:Stcu:Ci	9	9	10	9	9	10	i	j	j	j	l	l	...	...	●°	...	...	...	cm, c, p●°, a : c, p●°, ⌒, p : c, p●°, n.
28	Cu:Acu:Ci	Cu:Cist:Ci	Stcu:Acu:Ci	1	5	6	4	1	2	l	m	l	j	l	k	...	...	...	...	...	...	cp●, bc, a : bc, b, p : b, n.
29	St: Acu	Stcu	Cicu:Ci	1	1	1	1	3	4	j	j	j	k	j	j	...	...	...	...	...	...	b⌓, b, a : b, bc, p : bc, n.
30	Frnb:Acu:Ast	Frnb:Acu:Ast	Stcu:Cicu	10	10	10	9	6	4	j	i	j	j	j	k	●°	●	...	...	...	...	bc, c, ●°, ●, c, a : c, bc, p : bc, n.
Mean Cloud Am'nt.				8·2	8·1	7·1	6·8	7·5	7·8													
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.						

161. ABERDEEN JULY, 1935

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	Frnb:Acu:Ast	10	10	10	10	10	8	E	E	D	H	H	G	...	...	...	...	●^{0}	...	bc, ofefe●^{0}, *a* : ofe, ●^{0}, c, *p* : c●^{0}, c, *n*.
2	Frnb:Ast	Cunb:Stcu:Acu	Cunb: Stcu	10	10	9	10	9	9	G	F	i	i	F	G	●^{0}	...	...	●^{2}	●^{2}	...	c●^{0}, o, c, *a* : c, p●^{2}, *p* : cp●^{2}, c, *n*.
3	---	Cu:Stcu:Acu:Ci	Nbst	0	1	5	9	10	10	l	l	k	k	i	H	...	...	...	...	●	...	c, b, bcy, *a* : bcy, o●^{0}, *p* : o●, o, *n*.
4	Frcu:Acu:Cist:Cicu	Frcu:Acu:Ast:Ci	Stcu:Cu:Acu:Ast	1	9	9	9	9	9	l	l	m	l	k	l	...	...	...	...	...	...	c, b, q, ⊕, y, cy, *a* : cy, q, *p* : cy, c, *n*.
5	Cunb:Stcu	Cunb:Stcu	Frnb:Cunb	9	5	9	7	9	9	k	l	m	l	k	l	●^{0}	...	...	...	●	...	c, (), qp●^{0}, bcy, *a* : bcy, cqp●^{2}, *p* : cp● ⌒, c, *n*
6	Cunb:Stcu:Acu:Cicu	Cu:Stcu	Cu:Stcu	9	9	8	4	7	8	l	H	k	l	k	k	...	●^{0}	...	...	...	...	c, p●^{0}, dd, p●^{0}, *a* : c, bc, *p* : bc, c, bc, *n*.
7	Stcu:Acu:Ci	Cu:Ci	Acu: Ci	2	8	1	1	1	1	k	k	j	j	k	k	...	...	...	...	...	...	b⌓, c, b, *a* : b, *p* : b, ⌓, *n*.
8	---	---	---	0	0	0	0	0	0	H	G	i	i	i	H	...	...	...	...	...	...	b⌓, b, *a* : b, *p* : b, ⌓, *n*.
9	---	---	Ci	0	0	0	2	3	3	H	i	i	i	i	i	...	...	...	...	...	...	b⌓, b, *a* : b, bc, *p* : bc, *n*.
10	Cunb:Stcu:Acu	Cu:Cunb:Acu	Frnb:Ast	7	9	8	10	10	10	j	j	j	H	H	H	...	...	...	●	●	●^{0}	b, ci●^{0}, c, *a* : ci●, ●, *p* : c●, d_0, c, *n*.
11	Stcu:Acu:Ci	Cu:Stcu:Acu:Ci	Ci	4	2	1	1	1	1	l	l	l	k	k	j	...	...	...	...	...	...	c, b, *a* : b, *p* : b, ⌓, *n*.
12	Stcu	Stcu	Cu	9	10	3	2	1	9	k	k	j	j	j	H	...	...	...	...	...	...	b⌓, c, bc, *a* : bc, b, *p* : b, c, *n*.
13	St	Cist	Acu:Ci	2	1	8	8	8	9	F	G	G	G	G	H	...	...	...	...	...	●^{0}	c, if, b, c, *a* : c, *p* : cy, ●^{0}, *n*.
14	Frnb	Cunb:Stcu:Ast	Acu	9	10	9	7	2	4	j	j	k	k	l	l	●^{0}	...	...	...	...	...	c●, d_0, i●^{0}, *a* : c, bc, y, *p* : by, bc, ⌓, *n*.
15	Cu:Stcu:Acu	Cu:Stcu:Acu	Stcu:Acu:Ast	9	10	9	9	9	8	k	H	k	j	k	j	...	...	...	...	...	●^{0}	bc⌓, c, *a* : c, *p* : ci●^{0} ⌒, *n*.
16	Stcu:Acu	Frnb:Cunb:Ci	Cu:Cunb:Ci	7	5	9	9	6	4	k	k	j	k	k	j	...	...	●^{0}	●^{0}	...	...	c, bc, cp●^{0}, *a* : c, p●, bc, *p* : bc, *n*.
17	Stcu:Acu	Cunb	Cunb:Stcu	9	7	9	8	7	7	k	k	j	k	k	k	...	...	●^{0}	...	...	...	bc, (), cp●^{2}, ●^{0}, *a* : c, p●^{2}, bc, *p* : p●^{2}, bc, *n*.
18	Cu:Stcu:Acu	Cunb	Frnb:Cunb	7	5	9	9	9	8	k	k	i	j	j	j	...	...	●	...	●	●^{0}	bc⌓, p●^{2}, T, *a* : bc, cT, p●, *p* : cp●, bc, *n*.
19	Cu:Stcu:Ci	Cunb:Acu	Cu:Acu:Ast	7	7	6	4	8	10	k	k	l	k	j	j	...	...	...	...	...	...	bc, ⌓, bc⊕, y, *a* : bcy, c, *p* : c, p●, ●^{2}, *n*.
20	Frcu:Acu	Stcu:Acu	Cu:Stcu:Acu	6	9	8	9	4	6	k	k	k	k	l	k	...	...	...	●^{0}	...	...	cp●^{2}, bc, c, *a* : c, p●^{0}, bc(), *p* : bc(), q, *n*.
21	Cu:Acu	Cu: Stcu	Cu:Stcu:Ci	4	6	5	5	1	1	k	l	l	l	k	k	...	...	...	...	...	...	bcq, *a* : bcq, b, *p* : b, ⌓, *n*.
22	Stcu:Acu:Ci	Stcu:Acu	Stcu:Acu	7	10	9	9	6	1	k	i	j	j	k	j	...	●^{0}	...	...	...	...	bc⌓, cd_0, c, *a* : c, ⊕, bc, *p* : bc, b, *n*.
23	Cu:Stcu:Acu	Cu:Stcu:Acu:Cicu	Frnb:Cu:Acu:Ast	3	3	5	8	9	9	k	l	k	k	k	j	...	...	...	...	...	●^{0}	b, bc, *a* : bc, c, u, *p* : cp●^{2}, ●^{0}, c, *n*.
24	Acu	Ci:Stcu:Acu:Ci	Stcu	1	5	3	7	9	5	k	m	l	k	k	j	...	...	...	...	...	...	c, b, bcy, *a* : bcy, q, c, *p* : c, bc, *n*.
25	Acu:Ast	Cu:Stcu:Acu:Cicu	Stcu: Acu	8	7	4	9	9	9	j	k	l	k	k	j	...	...	...	...	...	●^{0}	bc⌓, c, bcy, *a* : bcy, c, p●^{0}, *p* : ci●^{0}, *n*.
26	Ci	Cu:Cunb:Acu	Acu:Ast	8	8	9	3	8	8	k	k	l	l	j	j	...	...	...	...	...	...	c, bc⌓, c, *a* : c, bc, ⌽, c, *p* : ci●^{0}, c, *n*.
27	Stcu:Acu:Ast	Frnb:Ast	Cu:Cunb:Acu	9	9	10	9	5	5	j	j	j	l	l	k	...	●	●	...	...	...	c●, c, p●, *a* : c●, bcy, p : bcy, bc, *n*.
28	Cu:Stcu	Cu:Stcu:Acu	Cunb:Stcu	1	5	7	7	9	6	l	l	l	l	j	k	...	...	...	...	●^{0}	...	bc, y, q, *a* : bcyq, cqp●^{0}, *p* : cqp●^{0}, bc, c, *n*.
29	Cunb:Stcu	Cu:Cunb	Stcu	9	9	7	4	3	1	l	k	l	l	l	l	...	...	...	...	...	...	c, p●^{0}, bcy, *a* : bcy, qcp●, bc, *p* : bc, b, *n*.
30	Cu:Stcu	Cu:Cicu	Ci	5	6	1	1	1	1	l	l	l	l	m	l	...	...	...	...	...	...	b, bc, by, *a* : by, b, *p* : b, ⌓, *n*.
31	Stcu	Cu:Acu:Ci	Ci	9	9	5	3	4	6	k	k	l	k	k	k	...	...	...	...	...	...	c⌓, c, bcy, *a* : bcy, bc⊕, *p* : bc⊕, ⌓, *n*.
Mean Cloud Am'nt.				5·8	6·6	6·3	6·2	6·0	6·0													

162. ABERDEEN AUGUST, 1935

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:Cist	Cu:Cist:Ci	Cu:Stcu:Acu	7	7	8	9	9	9	i	j	j	j	i	j	...	...	...	...	...	...	bc⌓, ⊕, y, *a* : cy⊕, c, *p* : c, p●^{0}, c, *n*.
2	Cu:Stcu	Cunb:Stcu	Cu:Stcu	9	8	9	9	9	10	k	k	k	k	k	k	...	...	...	...	...	...	c, *a* : c, *p* : c, *n*.
3	Cu:Stcu:Acu	Cu:Stcu:Acu:Ci	Stcu	3	4	4	6	9	10	k	l	l	l	k	j	...	...	...	...	...	...	c, bc, *a* : bc, c, *p* : c, *n*.
4	Acu:Ast	Cu:Acu:Cist	Stcu:Acu:Ci	10	9	9	9	9	7	k	k	l	l	l	j	...	...	...	...	...	...	c, y, *a* : cy, c, *p* : c, bc, *n*.
5	Stcu	Cu:Stcu	Cu:Stcu	9	9	9	9	9	7	j	j	j	i	j	j	...	...	...	...	●^{0}	...	bc, c, *a* : c, p●^{0}, *p* : c, bc, *n*.
6	Stcu	Cu:Stcu	Stcu	8	4	1	1	7	1	k	j	k	k	k	j	...	...	...	...	...	...	c, (), b, *a* : b, bc, *p* : bc, b, ⌓, *n*.
7	---	Cu	Stcu	0	1	1	1	2	9	i	i	j	j	j	j	...	...	...	...	...	...	b⌓, b, y, *a* : by, b, *p* : b, c, *n*.
8	Cu:Stcu:Ci	Cunb:Stcu	Frnb	9	9	9	10	10	10	k	k	k	j	i	j	...	...	...	●	●^{2}	...	c, bc⌓, c, *a* : ci●^{0}, o●^{2}, *p* : o●, o, *n*.
9	Cu:Stcu	Stcu:Ci	Cu:Stcu:Acu:Cicu:Ci	9	7	2	2	5	9	k	l	k	k	j	j	...	...	...	...	...	...	c, b, *a* : b, cp●, *p* : bc, c, *n*.
10	Frnb:Acu:Ast	Frcu:Acu:Ast	Frcu:Acu:Ast	10	9	9	9	9	9	k	k	j	k	j	j	...	...	...	...	...	...	c, ●^{0}, c, *a* : cq, bcq, cq, *p* : cq, c. *n*.
11	Frnb:Acu:Ast	Cu:Acu	Frnb:Nbst	9	10	7	8	10	9	k	j	l	j	H	k	●^{0}	●^{0}	...	...	●	...	ci●^{0}, o●^{2}, bc, *a* : bc, oi●^{0}, dd, *p* : odd, c, *n*.
12	Cu:Stcu:Ci	Cunb:Stcu	Cu:Stcu	1	1	9	9	7	1	l	i	j	j	j	j	...	...	●^{0}	...	...	...	c, b, cp●^{0}, *a* : cp●^{0}, bc, *p* : bc, b⌓, *n*.
13	Acu:Cicu	Cu:Stcu	Stcu:Acu:Ast	4	2	9	9	8	9	k	m	l	k	j	j	...	...	...	...	...	...	b⌓, c, *a* : c, bc, c, *p* : c, p●^{0}, *n*.
14	Cu: Stcu	Cu:Stcu	Frst:Stcu	9	9	9	10	10	8	l	m	k	i	i	i	...	...	...	...	...	...	c, *a* : c, *p* : c, *n*.
15	Stcu	Cu:Stcu	Frnb:Cunb:Stcu	9	8	9	9	9	10	j	l	k	l	k	H	...	...	...	...	...	●	c, bc, c, *a* : c, d_0, *p* : ci●^{0}, o●, c, ⌽, *n*.
16	Stcu	Cu:Stcu:Acu	Frcu: Acu	1	1	3	7	8	8	k	k	k	k	k	i	...	...	...	...	...	...	c, b⌓, bc, *a* : bc, c, *p* : c, *n*.
17	Frst:Acu	Frcu:Acu:Ast	Frnb:Acu:Ast	9	9	9	9	9	10	i	i	j	k	i	i	...	...	...	...	...	...	c, *a* : c, *p* : c, ●^{0}, of, *n*.
18	St	Cu:Acu:Ci	Acu	10	3	1	1	2	9	G	i	k	k	j	i	...	...	...	...	...	...	ofefe, b, *a* : b, *p* : b, c, *n*.
19	Cu:Stcu:Acu	Cu:Acu:Ci	Cu:Stcu:Ci	9	9	5	1	3	9	H	j	j	k	l	j	...	...	...	...	...	●^{0}	c, f, p●, bc, *a* : bc, b, bc, *p* : bcy, c●^{0}, *n*.
20	Frst:Acu:Ci	Cu:Acu	Cicu	4	8	1	1	1	0	H	H	j	j	k	k	...	...	...	...	...	...	bc, c, b, *a* : b, *p* : b, ⌓, *n*.
21	Frst	Stcu:Ci	Cu:Stcu:Cicu:Ci	9	9	3	7	4	1	G	G	H	H	k	k	...	...	...	...	...	...	b⌓, c⌓, bc, *a* : bc, cK, bcy, *p* : bcy, b, ⌓, *n*.
22	Acu:Cicu:Ci	Cu:Stcu	Cu:Stcu:Acu	9	7	9	8	7	10	j	k	j	j	i	G	...	...	...	...	...	...	b⌓, c⌓, bc, c, *a* : c, bc, *p* : bc, c, *n*.
23	Stcu	Cu	Cu: Stcu	1	1	2	7	8	3	j	k	k	k	j	j	...	...	...	...	...	...	c, ofe, b, *a* : b, c, *p* : c, bc, o●^{0}, *n*.
24	St	Frcu:Acu	St	10	3	9	9	10	10	H	H	H	H	H	H	...	...	...	...	...	...	o, ●, bc, c, *a* : c, og, *p* : og, c, ●^{0}, *n*.
25	Frst:Ast	Stcu	St:Stcu:Acu	10	10	10	10	10	9	k	k	k	k	k	j	...	...	...	...	...	...	cp●^{0}, c, *a* : c, g, *p* : c, *n*.
26	Frnb:Ast	Cu:Stcu:Cist	Frnb:Acu:Ast	10	10	8	6	10	10	k	j	k	k	j	i	...	...	...	...	...	●	c, ●^{0}, ⊕y, *a* : cy, bcy, c, *p* : c, o●, *n*.
27	Frnb:Ast	Cunb:Stcu	Frnb:Cunb	10	8	9	9	9	8	j	k	k	j	j	j	●^{0}	...	...	●^{0}	●^{0}	...	o●^{0}, cdd, p●^{0}, *a* : cp●^{0}, *p* : cp●^{0}, c, *n*.
28	Frst:Stcu:Ast	Frnb:Cunb:Ast	Frnb:Acu:Ast	8	9	10	10	10	10	k	k	j	k	j	H	...	...	●^{0}	...	●^{0}	●	c, p●^{0}, *a* : cp●^{0}, i●^{0}, *p* : ci●^{0}, o●, *n*.
29	Cu: Cunb	Cu:Cist	Cu:Ast	8	4	9	9	10	10	j	l	l	k	k	j	●^{0}	...	...	...	...	●^{0}	c●^{0}, bc, c, ⊕, *a* : c⊕, c, *p* : c, ●^{0}, *n*.
30	Frnb:Cunb:Ast	Frnb:Cunb:Acu	Frnb:Cunb	10	10	9	6	9	10	H	H	j	j	j	H	●^{0}	●^{0}	●^{0}	...	...	●^{0}	c●^{0}, i●^{0}, *a* : c●^{0}, bc, c, *p* : c, bc, o●^{0}, *n*.
31	Cu: Stcu	Cunb:Stcu:Acu	Cu:Stcu:Ci	9	9	9	9	9	8	H	j	i	j	j	j	...	●^{0}	...	...	...	...	c●^{0}, p●, c, *a* : c, *p* : c, *n*.
Mean Cloud Am'nt.				7·5	6·7	6·8	7·1	7·8	7·8													
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, 1935

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:Acu	Cu:Stcu:Ci	Frnb:Acu:Ast	1	1	6	9	10	10	k	k	k	j	i	H	…	…	…	…	●^{0}	…	c, b⌓, bc, *a* : bc, ci●^{0}, *p* : c●^{0}, p●, *n*.
2	St.	Cu:Stcu:Acu:Ast	Cunb:Stcu:Acu	10	9	9	6	9	10	G	H	j	j	k	i	●^{2}	…	…	…	…	●	oi●^{2}, ●^{0}, c, *a* : c, bc, c, *p* : co●, c, *n*.
3	Cu:Stcu:Acu	Cunb:Ci	Cu:Cunb:Acu	1	3	4	4	4	1	j	h	l	l	l	l	…	…	…	…	…	…	c, b, bc, y, *a* : bcy, *p* : bcy, b⌓, *n*.
4	Cunb:Stcu:Cicu	Cunb:Stcu	Frnb:Cunb:Acu	8	9	9	10	10	8	k	l	k	j	j	j	…	●^{0}	●^{0}	●^{0}	…	…	b⌓, cp●^{0}, *a* : c●^{0}, c, *p* : c, p●^{0}, bc, *n*.
5	Cu:Stcu	Cu:Stcu:Acu	Stcu:Acu	7	3	6	4	2	1	k	k	l	m	l	k	…	…	…	…	…	…	bc, cqp●, *a* : cp●^{2}, bcy, b, *p* : b, *n*.
6	Cunb:Stcu	Cunb:Cu:Acu	Cunb	3	4	4	4	9	8	k	k	l	m	k	k	…	…	…	…	…	…	b⌓, bcp●^{0}, y, *a* : bcy, p●, ⌒, *p* : c, bc, c⌓, *n*.
7	Cunb:Stcu:Acu	Cu:Stcu	Stcu	8	5	8	7	5	9	j	l	m	m	m	m	…	…	…	…	…	…	c⌓, p●^{0}, bc, cy, *a* : cy, bc, (), *p* : b⌓, c⌓, *n*.
8	Stcu	Cu:Stcu:Ci	Stcu:Cicu	9	7	9	5	5	0	l	m	m	m	l	j	…	…	…	…	…	…	c⌓, bc, cy, *a* : cy, bcy, bc, *p* : bc, b, ⌓, *n*.
9	Stcu	Stcu	Stcu	9	10	9	8	9	9	G	j	k	l	m	l	…	…	…	…	…	…	b⌓, c, y, *a* : cy(), *p* : c(), c, bc, *n*.
10	Cu:Stcu	Cu:Stcu:Ast	Nbst	2	4	10	10	10	10	H	H	i	H	H	H	…	…	…	●^{0}	●^{0}	…	bc, b⌓, c, *a* : c, o●^{0}, *p* : o●^{0}, c, *n*.
11	Scu	Stcu:Ast	Cu:Stcu:Acu:Ast	9	9	10	9	9	10	G	H	H	j	H	j	…	…	●^{0}	●^{0}	…	…	c, ⊕, ●^{0}, *a* : ci●^{0}, c, *p* : c, *n*.
12	Acu:Ast	Frnb:Ast	St	10	10	10	10	10	10	F	G	G	G	G	i	●^{0}	●^{0}	…	…	…	…	c, m●^{0}, c, *a* : c, og, *p* : o, ●, c, *n*.
13	Frcu	Cu:Acu	Cunb:Acu	1	2	3	3	8	1	l	l	k	k	k	k	…	…	…	…	…	…	cp●, b, qbc, *a* : bcy, p●^{0}, *p* : c, b, c, *n*.
14	Frnb:Cunb:Acu	Frnb:Cunb:Stcu:Acu:Ast	Cunb:Stcu:Acu	9	9	9	9	8	8	i	k	k	k	k	k	●	…	…	…	…	…	c, p●^{2}, c, *a* : c, *p* : c, *n*.
15	Cunb:Stcu:Acu	Frnb	Cunb	9	10	10	10	4	3	k	k	H	H	i	k	…	…	…	…	…	…	c, q, ⊕, ●^{0}, *a*: o, bc, *p* : bc, b, bc, *n*.
16	Frnb:Cunb	Cu:Acu	Cunb:Stcu:Acu:Ci	9	9	4	5	7	10	k	k	l	l	k	k	…	…	…	…	…	…	bc, cp●^{0}, bc, *a* : bcy, bc, *p* : bc, c, ●, *n*.
17	Cunb:Stcu:Ast:Cist	Frnb	Stcu:Ast	9	3	10	10	9	8	k	k	i	k	k	k	…	…	●	…	…	…	o●^{2}, bc, o●^{2}, *a* : o●, q, c, *p* : c, ●^{0}, c, *n*.
18	Stcu:Acu:Cicu	Cu: Cunb	Stcu:Acu:Ci	6	3	7	5	9	10	k	l	l	l	k	k	…	…	…	…	…	…	bc, p●^{0}, y, *a* : bcy, c, *p* : c, o●, *n*.
19	Cu:Cunb	Cu	Stcu	4	7	4	9	2	0	k	l	l	l	l	k	…	…	…	●^{2}	…	…	o●, bcq, y, *a* : bcy, cp●^{0}, bcy, *p* : by, b, *n*.
20	Cu:Stcu	Cu:Stcu	Stcu	3	4	8	5	8	0	l	l	l	l	l	l	…	…	…	…	…	…	b, bc, p●^{0}, *a* : cy, bcy, c, *p* : c, b⌓, *n*.
21	Acu:Ci	Cu:Stcu:Cist	Stcu:Scu:Cist	2	7	10	9	4	0	i	k	k	j	i	H	…	…	…	…	…	…	b⌓, c⊕, *a* : c, bc⊕, *p* : bc, b⌓, *n*.
22	Frnb:Cunb:Ast	Frnb	Frnb:Cunb:Ast	10	10	10	10	9	10	i	i	j	j	k	k	●	●	●	●^{0}	●^{0}	●^{0}	c⌓, p●, ●o, *a* : o●, c●^{0}, *p* : c●^{0}, c, *n*.
23	Cu:Stcu:Ci	Cunb	Frnb:Cunb:Acu:Cicu	9	3	7	3	4	1	k	l	m	m	k	j	●^{0}	…	…	…	…	…	cp●^{0}, bc, *a* : bc, cp●, ⌒, *p* : bc, b, Ш, *n*.
24	Ast:Ci	Cu:Cunb:Cist	Cunb:Stcu	3	1	8	10	9	2	k	k	l	l	k	k	…	…	…	…	…	…	bc, ⌓, b, bc⊕, *a* : bc, c, *p* : c, b, Ш, bc, *n*.
25	Cu:Cunb:Acu	Cu:Cunb	Cunb:Stcu	6	6	5	4	3	5	k	k	k	l	l	k	…	…	…	…	…	●^{0}	bc, p●, ⌒, *a* : bcp●^{0}, bc, *p* : bcp●, *n*.
26	Acu:Cist	Frnb	Frnb	8	9	10	10	10	10	i	i	k	i	G	H	…	…	…	…	●^{0}	●	bcp●^{0}, ⊕, c, *a* : c, o●^{0}, *p* : o●^{2}, ●, o, *n*.
27	Acu:Cicu	Cunb:Ci	Cu:Stcu:Acu:Ci	3	2	8	6	4	2	k	H	k	k	k	j	…	…	…	●^{0}	…	…	o●^{0}, bc⌓, c, *a* : cp●^{0}, bc, *p* : bc, *n*.
28	Stcu:Acu:Ast	Frnb:Nbst	Frnb:Acu:Ast	10	10	10	10	9	9	j	G	H	G	j	j	…	●^{0}	●	●^{0}	●^{0}	…	bc⌓, c●, *a* : c●, d_0d_0, p●^{0}, *p* : c, *n*.
29	Acu:Ast:Ci	Cu:Acu:Cist	Cu:Acu:Ast	2	4	6	8	9	10	j	k	j	j	i	i	…	…	…	…	…	●^{0}	c, b⌓, bc⊕, *a* : bc⊕, c, *p* : ci●^{0}, o●^{0}, *n*.
30	St:Stcu:Acu:Cicu	Frnb:Cunb	Cunb:Stcu:Ci	9	10	9	7	3	1	i	H	j	k	k	j	…	…	●	…	…	…	c●^{0}, p●, *a* : cp●, bc, *p* : bc, Ш, b⌓, *n*.
Mean Cloud Am'nt.				6·2	6·1	7·7	7·3	7·0	5·9													

164. ABERDEEN OCTOBER, 1935

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	Cunb:Stcu:Acu	Cunb	Stcu:Ci	7	6	4	4	1	0	j	k	l	l	k	j	…	…	…	…	…	…	b⌓, bcp●^{0}, bc, *a* : bc, b, *p* : b, ⌓, *n*.
2	Acu:Ast:Cist	Cu:Acu:Ast	Stcu:Acu:Ast	6	1	10	10	9	10	j	i	j	H	H	j	…	…	…	…	…	…	⊔bc, b, c⊕, *a* : c, ●^{0}, *p* : c, *n*.
3	Frnb:Ast	Frnb:Acu:Ast	Frnb:Nbst	10	10	10	10	10	10	k	k	j	i	i	H	●^{0}	…	…	●	●	●	ci●^{0}, p●^{0}, *a* : o●q, *p* : c●, ●^{2}, o●, *n*.
4	St:Nbst	Frnb:Cunb:Acu	Cunb:Stcu	10	10	6	5	8	10	G	G	i	j	k	i	●	…	…	…	…	●^{0}	o●, ●^{2}, c, ●^{0}, bc, *a* : bc, p●^{0}, c, *p* : c, p●^{2}, *n*.
5	Frnb:Cunb:Acu:Ast	Frnb:Cunb	Frnb:Cunb:Acu:Ast	9	10	10	10	9	10	j	H	H	k	H	j	…	●	●^{0}	●^{0}	●^{0}	…	cp●, o●, ci●^{0}, *a* : c, p●^{0}, d_0, *p* : c, ●^{0}, *n*.
6	Frnb:Cunb:Stcu	Frnb:Cunb:Acu:Ast:Ci	Cunb:Stcu:Acu:Ast:Ci	10	10	9	1	6	1	i	i	k	j	j	j	●	…	●^{0}	…	…	…	ci●^{0}, ●, d_0, *a* : c, bc, *p* : c, b⌓, ⊔, *n*.
7	Stcu	Cu:Stcu	Cu:Stcu:Acu	1	8	5	1	4	10	k	E	k	i	j	j	…	…	…	…	…	…	b⊔, cf, bc, *a* : bc, b, *p* : bc, c, ●, c, *n*.
8	Cu:Stcu:Ast	Cu:Cicu:Cist	Cunb:Stcu:Ci	10	8	4	8	3	3	j	j	l	k	j	j	…	…	…	●^{0}	…	…	c●, c, ●^{0}, bcy, *a*:bcy, cp▲^{2}●^{2}, ⌒, bc, *p*:bc, ⌓, b⌓, *n*.
9	Stcu:Ci	Stcu:Acu:Ast	Cunb:Stcu	1	1	9	7	5	9	l	k	i	j	i	i	…	…	…	…	…	…	b⌓, c, *a* : bcp●^{0}, bc, *p* : bc, c, bc, p●^{0}, *n*.
10	Cu:Stcu:Acu:Ast	Cu:Stcu:Acu:Ast	Cunb:Acu:Ast	4	1	4	7	7	4	j	k	k	k	k	j	…	…	…	…	…	…	bc, y, *a* : bcy, c, bc, *p* : bc, *n*.
11	Cu:Stcu:Ci	Cu:Stcu:Acu:Cist:Ci	Stcu:Ci	4	4	4	6	7	2	j	j	k	k	k	j	…	…	…	…	…	…	bc⊔, y, *a* : bcy, q, bc, *p* : bc, b, *n*.
12	Stcu:Acu	Stcu:Acu:Cist	Stcu:Acu:Ast	3	8	9	9	10	9	j	i	j	k	j	j	…	…	…	…	…	…	b, c, p●^{0}, *a* : c, *p* : c, *n*.
13	Stcu:Acu:Ast	Frcu:Acu:Ast:Cicu	Stcu:Acu:Ast	10	9	9	9	10	10	k	k	j	j	j	i	…	…	…	…	…	●^{0}	c, ●^{0}, c, *a* : c, p●^{0}, c, *p* : cqi●^{0}, *n*.
14	Stcu:Acu	Stcu:Acu:Ast	Stcu:Acu:Ast	4	8	9	9	9	9	j	i	i	j	j	j	…	…	…	…	…	…	cqi●^{0}, bc, c, *a* : c, *p* : c, Ш, *n*.
15	Nbst	Frnb:Cunb:Ast	Stcu:Acu:Ast	10	10	10	9	7	8	i	i	i	i	i	i	●^{0}	●^{0}	●^{0}	…	…	…	c, o●^{0}, *a* : c●^{0}, i●^{0}, *p* : c, bc, *n*.
16	Stcu:Acu:Ast	Cu:Stcu:Acu:Cicu	Stcu:Acu	7	5	5	9	9	5	j	k	k	k	k	k	…	…	…	…	…	…	bc, p●^{0}, y, *a* : bcy, cy, c, *p* : c, bcШ⌓, c, *n*.
17	Frnb:Cunb:Ast	Cunb:Acu:Ast:Cist	Cu:Stcu:Acu	10	10	8	1	1	0	k	j	l	k	k	k	…	●^{0}	…	…	…	…	c, p●^{0}, q, ●, *a* : c, p●^{0}, b, *p* : b, cqp●^{2}, bc, *n*.
18	Cunb:Cicu:Cist	Cu:Nbst	Frnb:Ast	9	10	10	10	10	9	l	k	j	j	i	i	…	…	●^{0}	…	●^{0}	…	b⌓, c⊕, o, ●, *a* : ci●^{0}q, *p* : ci●^{0}q, *n*.
19	St:Acu:Ci	Frnb:Cunb:Ci	Frnb:Cunb	5	10	9	9	9	9	k	k	k	k	j	j	…	●^{0}	●	●	●	●	bc, d_0⌒, cqp●, ⇀, *a* : cqp●, *p* : cqp●, *n*.
20	Frnb:Cunb:Ci	Cunb	Cunb:Stcu	7	6	4	8	2	1	k	k	k	k	j	k	✱▲	…	…	▲	…	…	⇀, cp●▲q, p✱, *a* : b, cqp✱▲, *p* : b, cp✱, Ш, b, *n*.
21	Cu:Stcu	Cu:Stcu	Cu:Stcu	8	7	6	5	4	3	k	k	k	k	j	j	…	…	…	…	…	…	cp✱^{0}, bc, *a* : bc, p✱, *p* : cp●^{0}, bcШ, *n*.
22	Cu:Stcu:Acu:Ci	Cu:Acu	Stcu:Acu	5	6	3	3	8	3	k	F	j	j	j	j	…	…	…	…	…	…	bc⊔, ⊕, f, y, *a* : bcy, c, *p* : bc, b, bc, *n*.
23	Cu:Stcu:Acu	Cu:Acu:Cicu	Cu:Stcu	5	5	9	9	9	10	j	j	i	H	H	i	…	…	…	…	…	…	bc, c, *a* : c, *p* : c, o, ●^{0}, *n*.
24	Frnb	Cu:Nbst	Frnb:Nbst	10	10	10	10	10	10	i	i	i	i	G	H	●^{0}	●^{0}	…	…	●^{0}	●^{0}	o●^{0}, d_0, ●^{0}, c, *a* : c, i●^{0}, *p* : c●^{0}, od_0, i●^{0}, *n*.
25	Frnb	Cu:Stcu:Ast	Stcu	10	10	10	8	9	0	G	G	G	F	F	H	●^{0}	●^{0}	…	…	…	…	oi●^{0}, c, *a* : c, z, *p* : cz, b⌓, Ш, ⊔, *n*.
26	Nbst	St:Ast	Stcu:Ast	10	9	10	10	9	10	j	j	j	j	j	j	●^{0}	…	…	…	…	…	b⊔, oi●^{0}, c, *a* : ci●^{0}, p●^{0}, *p* : c, *n*.
27	St:Stcu:Ast	Nbst	Nbst	9	10	10	10	10	10	j	H	F	G	G	j	…	●^{0}	●^{0}	●^{0}	●^{0}	…	c, p●^{0}, i●^{0}, *a* : ci●^{0}, *p* : o●, b, *n*.
28	Stcu:Ci	Stcu:Acu:Ast:Cist	Stcu:Acu:Ast	1	7	9	10	10	10	k	k	k	i	H	j	…	…	…	…	…	…	b, bc⊕, c, *a* : c, *p* : c, *n*.
29	Stcu:Acu:Ast	Nbst	Cu:Stcu:Ci	10	8	10	3	2	0	k	G	j	k	k	k	…	…	●^{0}	…	…	…	c, ⌓, o●^{0}, *a* : c●^{0}, b, *p* : bq, b, *n*.
30	Cu:Acu:Ast: Cist	Frnb:Cunb:Acu:Ast	Acu:Ast:Ci	9	9	9	9	4	2	k	k	k	k	j	k	…	…	…	…	…	…	b⊔, c, qp●^{2}, *a* : c, p●^{0}, bc, *p* : bc, b, bc, *n*.
31	Cu:Stcu:Acu:Ci	Cu:Stcu:Acu:Ci	Stcu:Ci	3	6	1	1	1	1	k	k	k	k	k	k	…	…	…	…	…	…	b, bc, p●^{0}, q, y, *a* : by, b, *p* : b, *n*.
Mean Cloud Am'nt.				7·0	7·6	7·6	7·1	6·8	6·0													
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.

165. ABERDEEN — NOVEMBER, 1935

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:Acu	Cu:Stcu:Acu	Stcu:Acu:Ast	1	2	6	9	9	4	k	k	i	j	i	j	…	…	…	…	●^{0}	…	b, e, bc, *a* : bc, c, ●^{0}, *p* : bc, *n*.
2	Cu:Stcu:Acu:Ast	Frnb	Acu:Ast	7	5	10	9	6	1	j	j	H	G	H	H	…	…	…	…	…	…	bc, p●^{0}, q, o, *a* : o●^{0}, c, bc, *p* : bc, b, ⌓, *n*.
3	Ast:Cist	St	Frst	10	10	10	10	10	6	j	G	G	G	H	H	…	…	…	…	…	…	b⌓, ⊔, c, o, *a* : oi●^{0}, *p* : o, bc, o, *n*.
4	Frnb	Frst	Frnb:Nbst	10	10	10	10	10	10	F	F	G	H	H	G	●^{0}	●^{0}	●	●^{0}	●	●	o, ●, d$_0$d$_0$, dd, *a* : odd, ●, d$_0$, ●, *p* : co●, c, *n*.
5	Acu:Ast:Ci	Cunb:Frnb:Acu:Cicu	Cunb:Stcu:Acu	3	5	9	6	8	9	G	F	H	i	H	H	…	…	…	…	…	…	b, ⊔fe, cFe, c, *a* : c, *p* : c, p●, *n*.
6	Cu:Stcu:Ast	Acu:Ast:Ci	Cist:Ci	8	4	1	1	7	3	i	H	j	j	F	G	…	…	…	…	…	…	cp●^{0}, b, *a* : b, bcⓊ, ⌓, *p* : bc⌓, ⊔, *n*.
7	Cunb:Stcu	Frnb:Cunb	Cu:Stcu:Acu:Ci	9	9	8	4	6	2	H	F	F	G	j	j	●^{0}	…	…	…	…	…	bc⊔, cp●^{0}, f, *a* : cmp●^{0}, bc, *p* : bcⓊ, b, cp●^{0}, *n*.
8	Cunb	Frnb:Cunb:Acu:Cist	Stcu:Acu:Cist:Ci	8	10	9	9	2	2	k	i	i	i	j	H	…	…	●^{0}	…	…	…	c, p●, p●^{2}▲^{2}, *a* : c⊕, b, Ⓤ, *p* : b, ⌓, *n*.
9	Cunb:Stcu	Cunb:Stcu	Frnb:Cunb	10	10	8	9	9	9	F	H	i	i	j	i	●	…	…	…	…	…	b⊔, cp●, *a* : c, p●, *p* : ci●, c, ●, *n*.
10	Frnb:Cunb:Acu:Ast	Frnb:Cunb:Acu:Ast	Cunb:Stcu:Acu:Ast	6	9	9	9	8	10	i	i	G	H	G	G	…	●	●^{0}	…	●^{0}	●	c, bc, ci●, p●^{2}, *a* : c, p●^{0}, *p* : c, p●, *n*.
11	Cunb:Stcu:Acu:Ast	Acu:Ci	Acu	9	6	1	8	2	4	H	G	i	G	H	H	…	…	…	…	…	…	c, p●^{0}, bc, f, b, *a* : b, c, b, *p* : b, bc, *n*.
12	Frnb	Cu: Ci	Stcu	10	8	1	7	3	4	H	i	j	j	i	j	●^{0}	…	…	…	…	…	bc, c●, q, bc, *a* : b, bc, *p* : bc, *n*.
13	Cu:Stcu:Acu:Ast	Cu: Ci	Stcu	5	6	4	2	1	0	j	G	G	H	E	G	…	…	…	…	…	…	bc⊔, f, bc, *a* : bc, bf⊔, *p* : bf⊔, b⊔, *n*.
14	Cu:Stcu:Ci	Frnb:Ast	---	9	9	9	1	0	0	i	i	j	j	H	G	…	…	…	…	…	…	b⊔, c, ●^{2}, ●^{0}, *a* : c, b, *p* : b, ⊔, *n*.
15	Stcu	Frnb:Ast	Stcu:Acu:Ast	10	10	10	10	9	0	G	E	i	H	H	H	…	●^{0}	…	…	…	…	bc⊔, c, f, ●^{0}, *a* : c, *p* : c, p●^{0}, b, *n*.
16	Cu:Stcu	Cu:Stcu:Acu:Ast	Cu:Stcu	7	8	6	8	1	8	j	i	i	G	H	H	…	…	●^{0}	…	…	…	b, c, p●^{0}, bc, i●^{0}, *a* : bc, c, b, *p* : b, bc, *n*.
17	Cu:Stcu:Ast	Frnb	Frnb	10	10	10	10	10	10	i	G	H	H	H	H	…	…	●	●	●	●^{0}	bc, c, o●, *a* : o●, *p* : oi●^{0}, ●, *n*.
18	Cu:Stcu	Frnb:Cu:Acu:Ast	Frnb:Cunb:Acu:Ast	9	10	10	9	8	7	i	i	H	H	H	E	…	●^{0}	●^{0}	●^{0}	…	●	o●, p●, c, ●^{0}, *a* : ci●^{0}, *p* : c, bcf, cp●, *n*.
19	Cu:Stcu	Frnb:Cunb:Stcu	Frnb:Ast	9	8	9	10	10	10	i	H	H	H	H	j	…	…	…	…	…	…	c, p●^{0}, c, *a* : c, d$_0$, *p* : c, *n*.
20	Cu:Stcu:Ci	Frcu:Ast:Acu	Frnb:Acu:Ast	9	9	10	8	9	9	j	i	j	j	i	j	…	…	…	…	…	…	c, p●⌒, *a* : cp●, c, *p* : c, p●^{0}, *n*.
21	Frnb:Ast	Frnb:Cunb:Acu:Ast	Cunb:Stcu	10	9	8	9	10	8	j	i	j	j	j	i	●^{0}	●^{0}	●^{0}	…	●	…	c, p●^{0}, p●▲, *a* : ⌒, c, q, p●, *p* : c, p●^{0}, *n*.
22	Cunb:Stcu:Acu:Ast	Cu:Stcu:Acu	Cu:Stcu	9	7	4	8	10	10	j	j	j	k	j	i	…	…	●^{0}	…	●^{0}	…	c, p●^{0}, bc, *a* : c, p●^{0}, *p* : c, p●, *n*.
23	Cu:Stcu:Acu:Ci	Acu	---	8	6	1	1	0	0	j	G	k	j	G	F	…	…	…	…	…	…	bc, Ⓤ, c, b, *a* : b, ⊔, *p* : b⊔, *n*.
24	Acu:Ast	Stcu:Acu:Ast	Stcu	10	9	2	2	2	0	j	j	j	j	i	i	…	…	…	…	…	…	bc, c●^{0}, b, *a* : b, cp●^{0}, b⌓, *p* : b⌓, ⊔, *n*.
25	Acu:Cist	Acu:Ast:Cist	Stcu:Acu:Ast	10	10	10	8	9	10	i	j	i	i	i	j	…	…	…	…	…	…	b⊔, c, *a* : c, *p* : c, q, c, *n*.
26	Acu:Ast	Cu:Ci	Ci	9	2	1	3	1	0	k	H	k	j	j	k	…	…	…	…	…	…	c, ●^{0}, b, *a* : b, *p* : b, *n*.
27	Acu	Stcu:Cicu	Stcu:Acu:Ast	1	2	9	8	5	8	k	k	i	j	j	i	…	…	…	…	…	…	b, ⊔, c, *a* : c, bc, *p* : bc, b, cp●, *n*.
28	Cu:Stcu:Acu:Ast	St:Stcu:Acu:Ast:Cicu	Frnb:Acu:Ast	7	8	8	9	7	5	k	j	j	j	j	j	…	…	…	…	…	…	cp●, bc, c, p●^{0}, *a* : c, q, bc, *p* : bc, *n*.
29	Acu:Ast	Frnb:Cu	Stcu	3	6	3	4	1	1	k	j	j	j	k	k	…	…	●^{0}	…	…	…	bc⊔, p●^{0}, *a* : bc, b, *p* : b, ⩊, bcp●, *n*.
30	Stcu:Acu	Cu:Stcu:Acu:Ast:Ci	Acu:Ast	3	5	4	4	9	10	k	j	j	i	i	G	…	…	…	…	…	…	bc⊔, bc, *a* : bc, c, *p* : cp●^{0}, c, *n*.
Mean Cloud Am'nt.				7·6	7·4	6·7	6·8	6·1	5·3													

166. ABERDEEN — DECEMBER, 1935

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:Acu:Ast	Cunb:Acu	Stcu:Ci	1	1	1	1	2	2	j	h	j	j	j	k	…	…	…	…	…	…	c, b⊔, b, *a* : b, bc, b, *p* : b, *n*.
2	Frnb	Cu:Stcu:Acu:Ast	Stcu:Acu	9	6	9	8	7	4	j	k	j	j	j	j	●^{0}	…	…	…	…	…	c, qp●^{0}, p✱, bc, *a* : c, *p* : c, bcq, p●^{0}, *n*.
3	Cu:Stcu:Acu:Ast	Cunb:Acu	Acu	3	4	4	3	2	3	k	k	k	j	j	j	…	…	…	…	…	…	bc, *a* : bc, b, *p* : b, bc, *n*.
4	Stcu:Acu:Ast	Cu:Ci	Ci	7	5	1	1	1	1	j	j	k	i	H	H	…	…	…	…	…	…	b⊔, bc, b, *a* : b, ⊔, *p* : b⊔, *n*.
5	Acu	Cunb:Acu	Stcu	1	2	1	1	3	0	j	j	k	k	k	j	…	…	…	…	…	…	b⊔, b, *a* : b, bc, *p* : bc, b, ⊔, *n*.
6	Stcu:Acu	Cunb:Stcu	Stcu	1	7	2	5	2	1	j	j	i	H	i	H	…	…	…	…	…	…	b⊔, bc, f, b, *a* : b, bc, b⊔, *p* : b⊔, *n*.
7	Stcu:Ci	Acu	Stcu:Acu:Ast	8	5	1	8	9	9	j	H	F	E	H	j	…	…	…	…	…	…	b⊔, c⊔, bcf, *a* : bcf, c, *p* : c, p●^{0}, *n*.
8	Stcu:Acu	Stcu	Stcu	1	5	3	5	2	1	j	i	G	H	i	i	…	…	…	…	…	…	cp●^{0}, b⊔, bcf, bc, *a* : bcf, b, *p* : ⩊, b⊔, *n*.
9	Cu:Stcu	Cunb:Stcu	Cu:Stcu	4	5	6	6	3	3	k	k	k	k	k	k	…	…	…	…	…	…	bc, cp●^{0}, bc, *a* : bc, *p* : bc, cp●^{0}, bc, *n*.
10	Cu:Stcu	Stcu	Stcu	5	5	2	9	7	9	j	E	G	E	F	E	…	…	…	…	…	…	bc⊔, f, b, *a* : bc, cf, bc⊔m, *p* : cf⊔, *n*.
11	Cu:Stcu	Cu:Stcu	Cu:Stcu	9	8	9	9	9	9	k	k	i	i	i	i	…	…	…	…	…	…	cf⊔, c, *a* : c, *p* : c, *n*.
12	Cu:Stcu	St:Stcu:Ast	Stcu	9	10	10	10	10	10	H	E	G	i	H	H	●^{0}	…	…	…	…	…	c, p●^{0}, id$_0$, f, *a* : cid$_0$, *p* : c, bc⊔, *n*.
13	Stcu	Stcu	Stcu	8	7	10	10	10	10	k	E	G	G	G	G	…	…	…	…	…	…	bc⊔, c, bcf, cd$_0$, *a* : c, *p* : c, ●^{0}, *n*.
14	Stcu:Acu:Ast	Cu:Stcu	Frnb	9	10	10	10	10	10	i	H	H	H	H	H	…	…	…	●^{0}	●^{0}	…	c, g, *a* : cg, d$_0$, o●^{0}, *p* : o●^{0}, o, *n*.
15	Cunb:Stcu	Cunb:Stcu:Acu:Ast	Stcu	10	3	5	1	9	2	j	H	j	j	H	i	…	…	…	…	…	…	cp●, bc, c●, ✱^{0}, *a* : bc, b, c, *p* : c, b, ⊔, cp✱, *n*.
16	Cunb:Stcu	Frnb:Cunb	Frnb:Cunb	10	9	9	10	9	9	k	k	i	i	j	j	✱^{0}	✱	✱^{0}	…	●^{0}	●▲	⊞ cp✱, *a* : c, p●△, *p* : cp●▲, *n*.
17	Acu:Ast	Frnb:Acu:Ast	Cu:Stcu	8	7	6	4	4	9	j	i	j	j	j	j	…	…	…	…	…	…	cp●▲, b, cp●^{0}, bc, *a* : bc, *p* : bc, cp●^{0}, *n*.
18	Frnb:Cunb	Cunb:Stcu:Acu:Ci	Cunb:Stcu:Acu	9	5	6	4	6	7	j	i	i	i	j	i	✱	…	●^{0}	…	…	…	bc, cp✱, ↜, bc, p●^{0}, *a* : bc, i●^{0}, bc, *p* : bc, ⊔, *n*.
19	Acu:Ast	Cu:Stcu	Cu:Stcu	2	4	9	5	2	4	j	E	i	j	j	i	…	…	…	…	…	…	bc⊔, b, f, c, *a* : c, bc, b⊔, *p* : b⊔, p●, ↜, *n*.
20	Cunb:Stcu	Cunb:Stcu	Frnb:Cunb	4	6	6	7	9	7	i	i	j	j	j	j	●^{0}	…	✱	●	✱▲	…	cp●, bc, p✱, *a* : bc, cp●, p✱, i✱▲, *p* : bc, i✱▲, *n*.
21	Cu:Stcu	Cu: tcu:Acu:Cist	Cu:Stcu	2	7	7	6	5	5	j	j	j	j	j	j	…	…	…	…	…	…	bc, b⊔, bc⊕, *a* : bc, cp✱^{0}, *p* : bc, *n*.
22	Frnb:Cunb	Frnb:Cunb	Frnb:Cunb	9	4	4	4	9	4	j	j	k	k	j	i	…	…	…	…	✱	…	⊞ bc, cp✱▲, bc, *a* : bc, cp✱, *p* : cp✱, bc, b⊔, *n*.
23	Cu:Stcu	Cunb:Stcu	...	1	2	1	0	0	0	j	j	j	H	H	G	…	…	…	…	…	…	b⊔, b, *a* : b, *p* : b, ⊔, *n*.
24	Cu:Stcu	Cu:Acu:Ast	Frnb:Ast	6	10	9	10	10	10	i	H	i	j	j	i	…	…	…	…	…	●^{0}	b⊔, bc, f, c, y, *a* : cy, c, *p* : c, ●^{0}, *n*.
25	Frnb:Ast	Frnb	Frnb	8	10	10	10	10	10	j	G	H	H	H	i	…	●^{0}	●	●	●^{0}	…	c●^{0}, p●^{0}, o●, *a* : o●, *p* : oid$_0$, *n*.
26	Frnb	Frnb:Acu:Ast	Frnb	10	10	10	10	10	10	i	H	H	H	G	G	…	…	…	…	●	…	p●, o, c, *a* : c, o, ●, *p* : o●, *n*.
27	Frnb:Acu:Ast	Frst:Ast	St	10	9	8	10	10	10	H	H	G	F	F	G	…	…	…	…	●^{0}	…	c, ⊕, *a* : c, m, od$_0$, *p* : od$_0$, c, *n*.
28	Acu	Acu:Ci	Ci	2	2	7	5	1	0	j	H	E	E	F	E	…	…	…	…	…	…	c, b, bcf, *a* : bcf, b⊔, *p* : bf⊔, c⊔, *n*.
29	Stcu	Cu:Stcu	Ci	4	6	9	9	1	2	j	G	E	E	E	E	…	…	…	…	…	…	c⊔, bc⊔, cf, p●^{0}, *a* : cf, bf⊔, *p* : bf⊔, c, *n*.
30	Frnb	Stcu:Acu:Cist	Ast	10	10	5	8	8	10	i	G	H	E	F	E	●	●	…	…	…	…	c, o●, bc, *a* : bc, cff, *p* : cm, ofefe, *n*.
31	St	St	Frnb:Ast	10	10	10	10	10	10	E	B	D	G	i	H	…	…	…	…	●	●	ofefe, ●^{0}, FeFe, *a* : of, c●, *p* : o●, bc, *n*.
Mean Cloud Am'nt.				6·1	6·3	6·1	6·4	6·1	5·8													
Mean Annual Cloud Am'nt.				7·1	7·3	7·1	7·0	6·7	6·5													
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.						

M.O. 390
(Eskdalemuir)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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
1937

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-

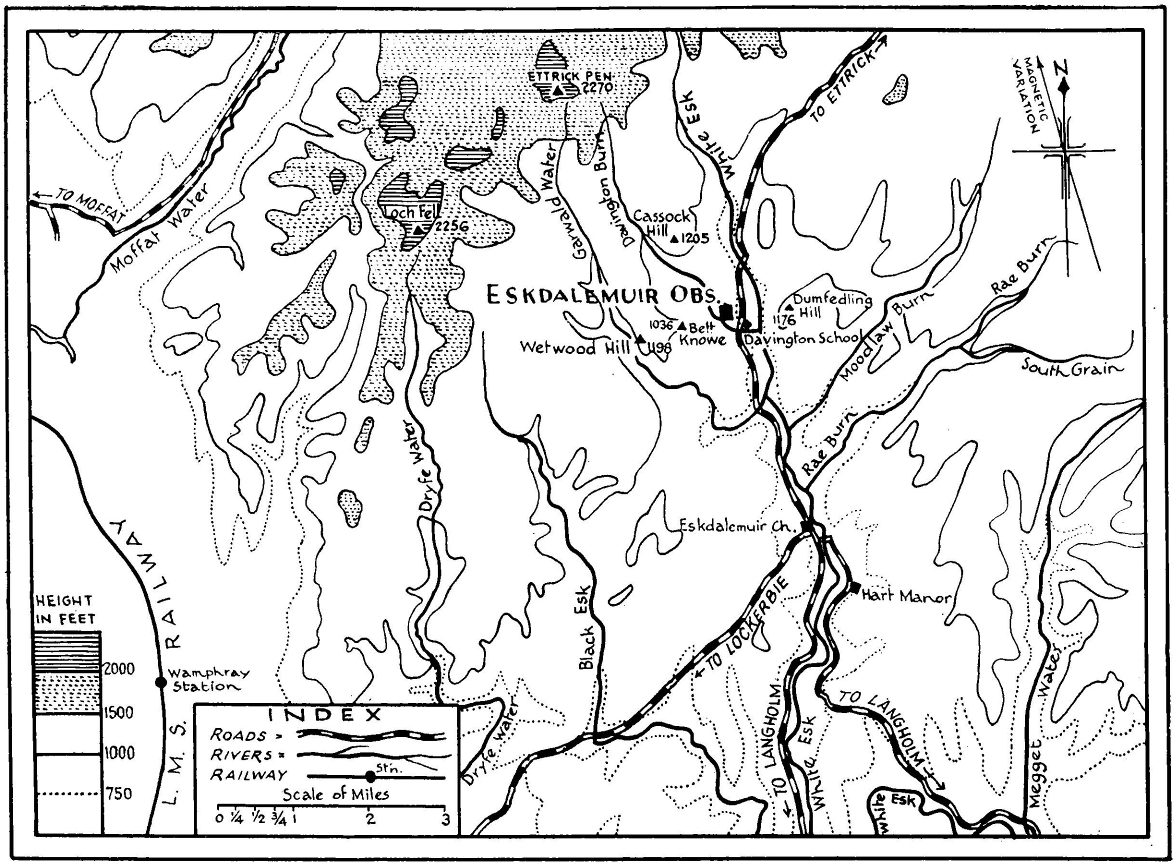


FIG. 11.—CONTOURED MAP SHOWING SURROUNDINGS OF ESKDALEMUIR OBSERVATORY.

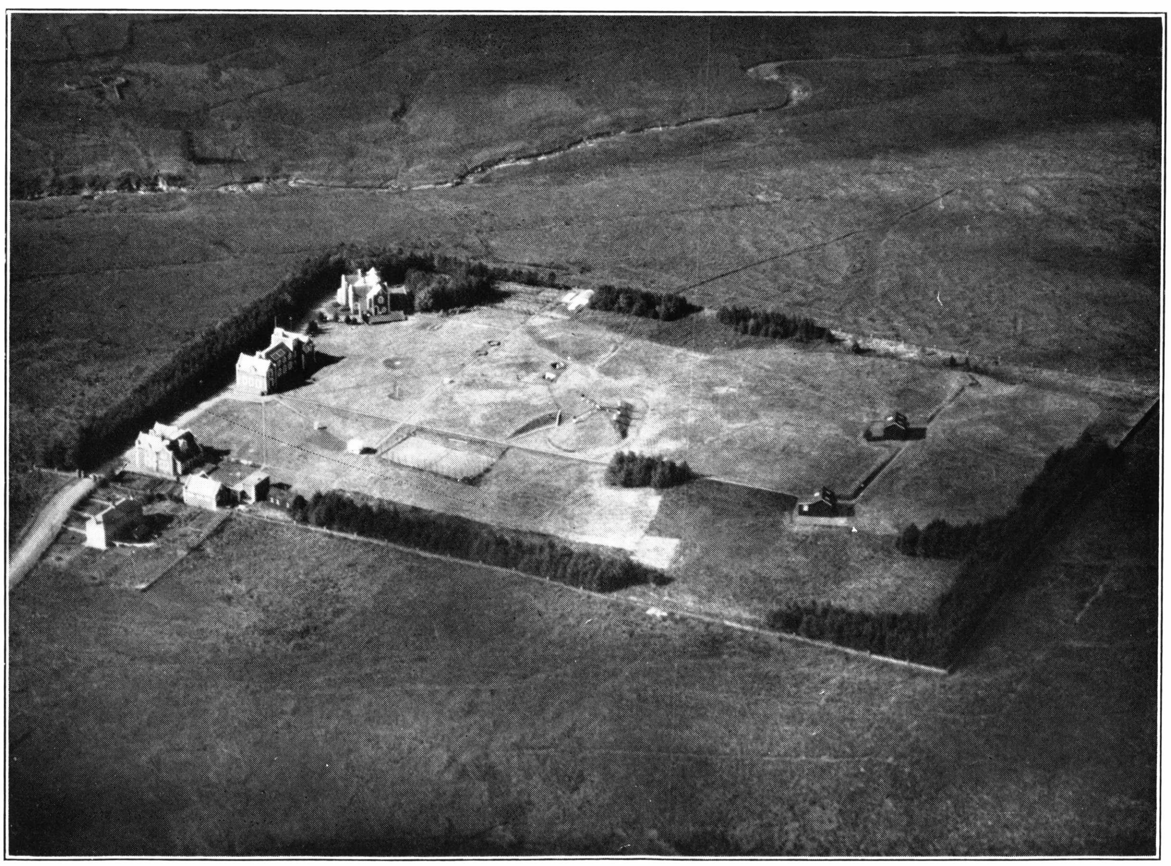


FIG. 12.—AERIAL PHOTOGRAPH FROM E.N.E., 900 FEET.

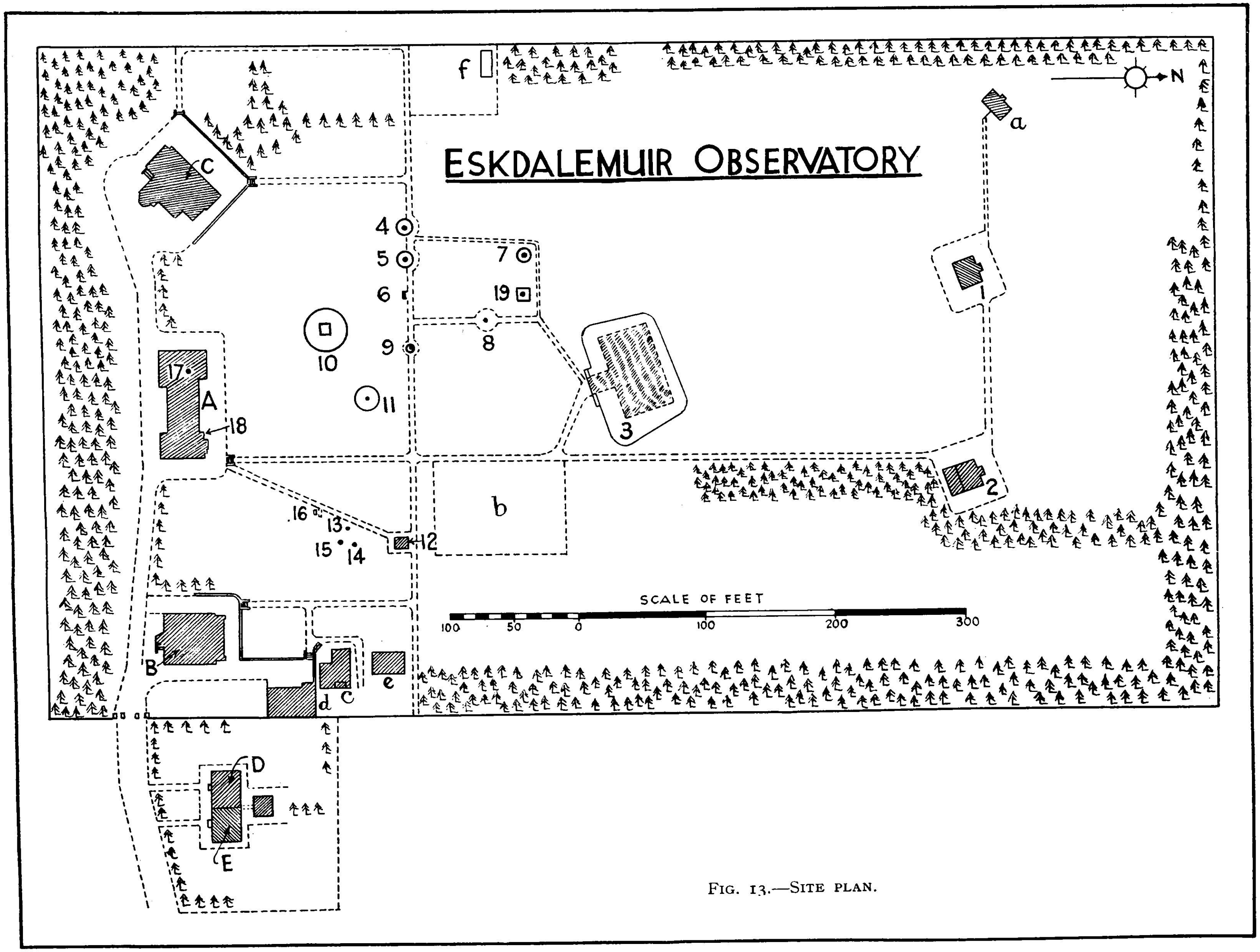
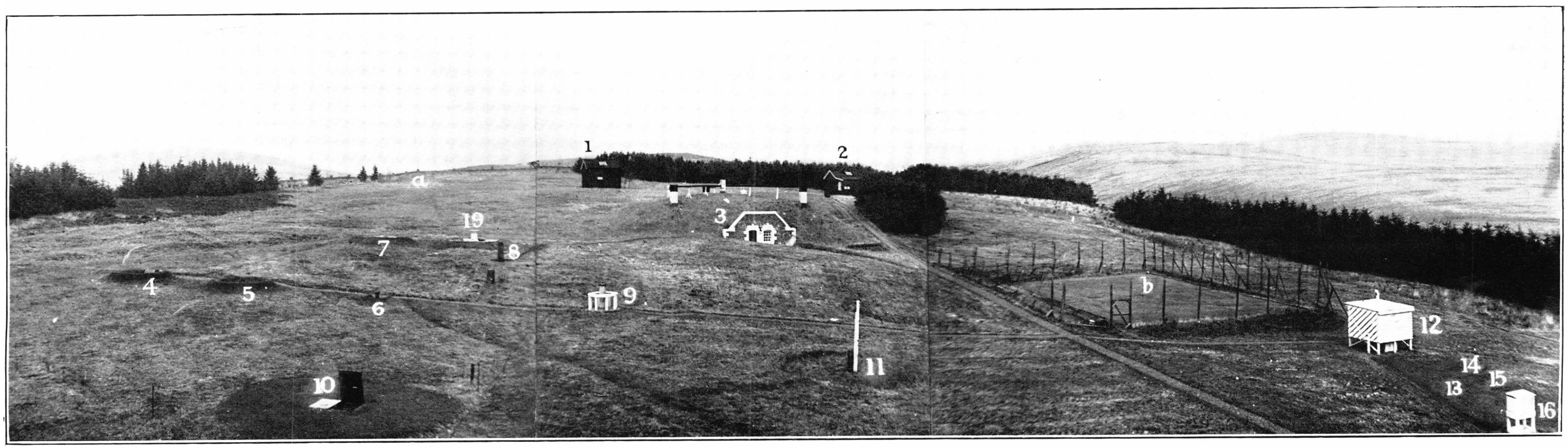


Fig. 13.—Site plan.

A.—Main observatory building.
B. & C.—Residences.
D. & E.—New residences erected 1927–8.
1 & 2.—Huts for magnetic observations.
3.—Underground magnetograph house.
4.—Beckley autographic raingauge.
5 & 6.—Standard raingauges.
7.—Hellmann-Fuess snowgauge.
8.—Campbell Stokes sunshine recorder.
9.—Theodolite stand.
10.—Pit for potential gradient observations.
11.—Besson comb nephoscope.
12.—Louvred thermometer hut.
13.—Grass minimum thermometer.
14 & 15.—Earth thermometers.
16.—Stevenson screen.
17.—Dines pressure tube anemometer.
18.—Electrograph.
19.—Jardi rate of rainfall recorder.
a.—Water reservoir.
b.—Tennis court.
c.—Acetylene gas plant.
d.—Garage block.
e.—Workmen's bothy.
f.—Greenhouse.



To face p. 155

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."

The general features of the immediate surroundings and the lay-out of the buildings may be seen from the accompanying photographs, plan and map.

The following brief descriptive notes serve as an index to the accompanying site plan (Fig.13).

There is a narrow belt of trees - chiefly conifers, with a few birch and rowans - around the greater part of the Observatory enclosure. These trees were planted shortly after the building of the Observatory and subsequently. They are largest on the southern side.

(1) & (2) are two double-walled wooden huts in which absolute observations of the magnetic elements are made. The space between the inner and outer wooden shells is packed with non-conducting material. Lighting is provided by windows in the north sides and by skylights.

(3) is the underground magnetograph house, constructed throughout of non-magnetic material. Within the outer shell of stone and concrete, and separated therefrom and from each other by corridors and vaultings, are two similar rooms of which the approximate internal dimensions are:- Length, 25 feet (7·6 m.); width, 20 feet (6·1 m.); height, 10 feet (3·0 m.). The ceilings of the rooms are just below the undisturbed level of the surrounding ground. The roof portion of the outer containing shell is covered with a thick layer of earth, thus forming the mound shown in Fig.14. The super-structure which is visible in the photograph is part of the ventilation system. The east room contains the standard magnetographs and the photographic barometer. Other magnetographs have been set up from time to time in the west room. Acetylene gas is chiefly used as illuminant.

(4) is the Beckley self-recording rain-gauge, and (5) the standard 8 inch rain-gauge; each is surrounded by a low wall or dyke of turf.
(6) is an auxiliary 8 inch rain-gauge but is not artificially screened.
(7) is a snow-gauge of the Hellman pattern, made by Fuess.

(8) is the Campbell-Stokes sunshine recorder.

(9) is a concrete pillar, 4 feet high, on which a pilot-balloon theodolite may be mounted. The pillar is surrounded by a wooden seat of convenient dimensions.

(10) is the pit from which observations of the electric potential at 1 metre above the surface of the ground are made. The dimensions of the brick-lined pit are 4 feet (1·2 m.) by 3 feet (0·9 m.) by 3 feet. The lid which consists of a fixed and a hinged portion is covered with zinc, is provided with a small glass window, and is almost flush with the level of the approximately circular lawn indicated on the plan by the dotted circle.

(11) is a stone pillar formerly used as a support for an Ebert ion-aspiration apparatus but latterly used to support a Besson Comb nephoscope.

(12) is a large louvred hut which contains the standard dry and wet bulb thermometers, the photographic and pen thermographs, and the maximum and minimum thermometers. The hut, of which the general features may be seen on reference to Fig. 14 is painted white inside and out. Until 1925, when electric light was introduced, acetylene gas was the illuminant for the photographic thermograph.

(13) marks the position in which the grass minimum thermometer is exposed between 18h and 7h G.M.T.

(14) & (15) are earth thermometers, 1 foot (0·3 m.) and 4 feet (1·2 m.) below ground level respectively.

(16) is an auxiliary screen in which a hair hygrograph was exposed until June 15, 1928.

(17) indicates the position of the mast of the Dines Pressure Tube Anemometer and (18) the position of the jet of the Kelvin water-dropper electrograph.

(19) is a Jardi rate of rainfall recorder. It is installed in a pit six feet (1·8 m.) deep and screened by a low dyke of turf

(A) is the main building two-storied and containing offices, workshop, laboratory, seismograph and photographic rooms.

(B) & (C) are residences (Schuster House and Rayleigh House, respectively)

(D) & (E) are residences (Glazebrook House and Shaw House, respectively), which were erected in 1927-8.

(a) is a water reservoir, from which water is distributed to the various buildings. The reservoir is fed from a spring on Cassock Hill by means of a pipe line.

(b) is a tennis court.

(c) is the acetylene gas generating house.

(d) is a block containing the garage, the electric lighting generating set and the accumulator batteries. The electric lighting equipment, which was installed in 1924, provides for continuous illumination for photographic recording instruments in (3), (12) and (A) and for occasional general lighting in (A), (c) and (d). The voltage on the lighting circuits is restricted to 8 volts. Connection between the battery room in (d) and buildings (12) and (A) is by underground cable which is insulated, lead covered and armoured, and between (3) and (A) by insulated cable carried just above ground level. All precautions have been taken to guard against leakage of current to earth.

(e) is a workmen's bothy and (f) is a small greenhouse.

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.

<u>Temperature</u>.- 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.

<u>Humidity</u>.- 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 1935 a change of 10 per cent. in relative humidity is represented by about 0·8 centimetre, the time scale being 1 hour = 11·4 mm.

<u>Rainfall</u>.- 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.). Within the enclosure so formed is a gas jet, and a flame of suitable dimensions is maintained, as circumstances dictate, 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 (7·5 m.) 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

---

[1] Q.J.R. Meteor. Soc., Vol. LV, pp. 37-53, 1929

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; the rim of the gauge is approximately 2·5 feet (0·3 m.) above the surrounding low wall of earth and turf.

Sunshine.- The record of sunshine is obtained from a Campbell-Stokes recorder described on p.11.

The recorder is fixed on a stone pillar and 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 received from the sun by a surface which is normal to the line drawn from the instrument to the sun are affected by means of an Ångström compensating pyrheliometer[1]. The intensity of radiation is expressed in milliwatts per square centimetre (1mw per sq. cm. = 0·01435 gramme calorie per sq. cm. per minute). In addition, the value of sec Z is given where Z in the zenith distance of the sun. This affords an indication of the mass of atmosphere which the solar radiation has had to penetrate before reaching the earth. Entries in the column headed "Sky" are intended to show the presence or absence of haze, mist or cloud in the direct path of the solar radiation recorded.

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 direct-

---

[1]For descriptions see "Astrophysical Journal", Vol IX, 1899; "Actes de la société royale des Sciences d'Upsal", 1893; also "Geophysical Memoirs", No. 21 (1923), Meteorological Office, London.

Following some structural repairs to the observatory building, the pyrheliometer was re-erected in an embrasure of the tower in June 1930.

ion 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 "	SSE.
J (j)	(Cauldkine Hill, 1,478 feet, near Westerkirk, not clearly visible)..	$10\frac{1}{2}$ "	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 1935

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.	1568
Campbell-Stokes Sunshine Recorder	M.O.	99
Ångström compensating Pyrheliometer..		116
Dines Pressure Tube Anemometer		1019, 1081
Grass Minimum Thermometer	M.O.	23002
Earth Thermometer, 1 Ft.	M.O.	24009
" " 4 Ft.	M.O.	4

CORRECTIONS TO INSTRUMENTS IN USE IN 1935

The corrections to the instruments in use during 1935 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	-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 Thermometer, M.O. 23002. May 8th, 1930.

at	253	263	273	283	293	303 °A.
	-0·1	-0·1	0·0	0·0	0·0	-0·1

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 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 0·9 mb. In the months January, March, May, July and August the mean pressure was above normal, the greatest excess being in January viz. 12·9 mb.; in each of the other months it was below the average. The extreme instantaneous values recorded were 1014·1 mb. on January 18, and 939·2 mb. on December 1. The greatest and least mean daily values were 1013·3 mb. on January 18, and 943·2 mb. on December 1. The largest value of the range during a calendar day was 32·6 mb. on January 26. The mean value of the absolute daily range of pressure varied between 11·1 mb. in October, and 4·2 mb. in August. The annual mean value of the daily range was a little above 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 years1911-20 is the larger. In 1935 the principal maximum occurred in the late forenoon in January, March, ~~July~~, May October and December. The principal minimum in the representative inequalities is in the afternoon except in February, March, August and November, but in 1935 the principal minimum falls in the early morning in February, April, August, September and November. Compared with the mean diurnal inequality for 1911-20 (1), in 1935 the night crest is enhanced, while the early morning trough

(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.

is diminished.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1935 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 1935 the unit employed was ·001, mb. Although for 1935, 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 May and September. 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 is 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	
	1935	1911-20	1935	1911-20	1935	1911-20	1935	1911-20	1935	1911-20	1935	1911-20	1935	1911-20	1935	1911-20
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
Jan.	·13	·09	69	346	·18	·23	147	152	·11	·13	337	345	·03	·05	191	214
Feb.	·25	·12	130	215	·28	·27	143	138	·10	·08	36	341	·02	·04	70	68
Mar.	·15	·13	316	185	·41	·30	163	145	·09	·05	324	335	·05	·05	343	25
Apr.	·33	·21	148	92	·28	·30	156	155	·03	·02	244	156	·05	·05	9	356
May	·49	·23	31	53	·32	·27	150	147	·06	·07	156	160	·04	·03	319	330
June	·24	·15	89	54	·24	·23	141	146	·10	·08	150	161	·03	·02	343	326
July	·11	·17	25	69	·18	·21	143	141	·08	·08	143	156	·02	·02	116	300
Aug.	·14	·11	145	115	·21	·24	149	148	·07	·06	145	157	·05	·05	324	331
Sept.	·55	·12	170	88	·26	·31	182	152	·02	·01	141	111	·06	·05	353	345
Oct.	·19	·11	45	76	·26	·31	170	159	·07	·06	27	8	·03	·04	77	33
Nov.	·28	·13	126	183	·24	·24	151	168	·05	·10	4	9	·05	·01	226	146
9! Dec.	·30	·14	354	87	·27	·21	153	147	·13	·12	3	4	·08	·07	233	213
Arithmetic Mean	·26	·14	...	...	·26	·26	...	...	·08	·07	...	...	·04	·04	...	...
Year	·12	·09	95	91	·26	·26	155	150	·02	·02	35	42	·016	·02	319	342
Winter	·12	·04	85	165	·24	·24	149	151	·09	·11	4	355	·036	·02	165	189
Equinox	·16	·11	214	104	·30	·31	206	153	·03	·02	339	4	·040	·04	7	9
Summer	·18	·15	56	67	·24	·24	146	146	·08	·07	148	159	·025	·03	330	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.

<u>Temperature</u>.- The mean temperature, 280·15°A. (44·9°F.), for the year 1935 is slightly above the normal value. The extreme temperatures recorded during the year were 299·7°A. (80·1°F.) on June 23 and 260·7°A. (9·9°F.) on December 23. December 23 with a mean daily temperature of 264·9°A. (17·4°F.) was also the coldest day of the year and June 23 with 293·6°A. (69·1°F.) was the hottest. The mean monthly temperatures in May, September, October and December were sub-normal, the mean in each of the other months being above the average, the greatest excess occurring in March (1·8°A.) and the greatest deficiency in December (2·1°A.). In addition the mean monthly temperature in March was the highest since records commenced for months of that name. The minimum temperature was 273·0°A. (32·0°F.), or less, on 88 days, 48 being in the first four months of the year. There were two "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 28·0°A. (50·4°F.) in June and 15·8°A. (28·4°F.) in December.

<u>Humidity</u>.- As is mentioned in the General Introduction, owing to a change in the hygrometric tables used, the results from 1926 onward 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 1934 are - 9 in May and + 6 in June. 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, 8·5 mb., is slightly greater than the mean for the years 1922-30. The extreme daily mean values of relative humidity and vapour pressure were 99·0 per cent. on June 21, 55·1 per cent on May 5, 19·3 mb. on June 23, 2·9 mb. on December 23. The lowest hourly reading of relative humidity was 27 per cent. on May 18.

<u>Precipitation</u>.- 1935 was ~~wetter~~ drier than normal, the total amount of rainfall, 1523·1 mm. (59·95 in.), being 2·8 ~~6·0~~ per cent. ~~greater~~ less than the mean for the period 1911-30. The wettest months were February with 197·7mm.(7·78in.) and October with 263·7 mm. (10·38 in.). May with 29·4 mm. (1·16 in.) was very dry, being the driest May on record. The greatest amount recorded during a calendar day was 43·1 mm. (1·70 in.) on August 30. There were 135 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 230 days; to 1·0 mm. or more on 178 days; to 20·0 mm. or more on 12 days.

Snow or sleet fell on 53 days, but on no day from May 18 to October 10 inclusive. Observations of "snow lying" at 7h number 27, 18 of which were in December. There were no large falls of snow.

<u>Sunshine</u>.- The year's total duration of bright sunshine, 1262·8 hr. represents 28 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" May was the sunniest and October the least sunny month of 1935. In all, there were 86 days without sunshine, 14 of these being in January, and 13 in December, and 87 days with 50 per cent. or more of the "possible" sunshine. The day with the most sunshine was June 29, with 15·0 hr. July 30 with 14·6 hr. (91 per cent) represents the highest value of the percentage of "possible" sunshine. October (with 51·2 hr.) and December (with 59·9 hr.) were respectively the dullest and brightest months of their name, while May (with 267·7hr) was the sunniest month ever recorded.

Wind.- The mean wind speed for the year, 4·7 m/s. (10·3 mi/hr.), was 0·4 m/s. less than the normal value. The individual monthly values differed respectively little from the normal monthly values, the mean speeds for January, November and December exhibiting the greatest relative deficiency and those for February and October the greatest excess. There were 35 hours of gale force (mean speed greater than 17·1 m/s.), 12 of them occurring in October. The highest gust of the year, 38·8 m/s. (87 mi/hr.), occurred on October 19, the highest hourly speed 20·0 m/s. (44·7 mi/hr.), on January 11, the highest mean daily speed, 15·3 m/s. (34·2 mi/hr.), on October 19 and the lowest mean daily speed, 0·3 m/s. (0·7 mi/hr.), on February 8.

The distribution of wind directions throughout the year differed little from normal. Winds from between south and west predominated in January, February, March, June, August, September and October, while the decrease in the frequency of south-westerly winds and the persistence of north-easterlies in May was very marked. In July the winds were mainly westerly and in December northerly.

Grass Minimum Temperature.- There were 115 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 19 and July 30; the number for December (21) equalled the previous December record (1925). The lowest grass minimum temperature was 260·0°A. (8·6°F.) on both December 23 and 24. The mean grass minimum temperature for each of the months January, February, November and December is less than 273·0°A. (32·0°F.), the mean for December being the lowest for that month on record.

Cloud and Weather.- (A) the mean amount of cloud observed at the six hours of observation is 7·4, which is a little below the normal. June with 8·4 has the largest mean amount, and May with 5·6 has the smallest. The largest mean amount for an observational hour is 9·1 at 9h in June; the least is 4·6 at 18h in May. There were no days, on which no cloud was seen at the normal hours of observation. On 27 days the amount 10 was recorded at every hour of observation.

(B) Thunder was heard on 11 days, while there were observations of solar halo on 15 days, and of lunar halo on 4 days, and of aurora or auroral glow on 10 days.

(C) The numbers of occasions on which the range of visibility was estimated to be (1) less than 1000 metres (1100 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 fewer occasions both of fog and of estimates K,l,and m than in 1934. Fog was most frequent in February and June, but entirely absent (at the standard hours of observation) in July. There were 83 estimates of m, visibility 50 km. (31 mi) or more, distributed among 46 days, 51 of the occasions were associated with increasing barometric pressure, and 53 with winds from west-south-west through north to north-east.

NUMBER OF OCCASIONS OF-

1935	VISIBILITY X to E							VISIBILITY, k, l, m.						
	7h	9h	13h	15h	18h	21h	Total	7h	9h	13h	15h	18h	21h	Total
Jan.	-	1	1	-	1	2	5	14	14	15	15	13	12	83
Feb.	-	-	-	1	-	-	1	8	9	11	12	9	8	57
Mar.	2	-	-	-	1	1	4	13	13	13	14	11	11	75
Apr.	2	1	-	-	-	-	3	12	14	12	19	15	15	87
May	-	-	-	-	-	-	-	18	19	23	25	23	21	129
June	-	-	2	1	1	1	5	5	7	13	11	18	12	66
July	-	-	-	-	-	-	-	17	18	22	19	20	19	115
Aug.	2	-	-	-	-	2	4	6	9	17	18	16	12	78
Sept.	2	-	-	-	-	-	2	12	16	16	17	15	16	92
Oct.	-	-	-	-	-	-	-	14	12	14	15	10	13	78
Nov.	1	1	-	-	-	-	2	9	11	7	11	7	3	48
Dec.	2	3	3	1	-	-	9	5	12	12	14	6	6	55
Year	11	6	6	3	3	6	35	133	154	175	190	163	148	963

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. On January 4th 1933, the double nozzle of the water jet was altered to a single nozzle; 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 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 1935 were obtained by a smoothing 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. According to the scale value adopted for the Wulf electrometer in 1935, the instrument had about the same sensitivity as in 1934.

IDENTIFICATION NUMBER OF INSTRUMENT USED IN 1935

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 ~~22~~ days of defective record when negative 2/ 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 changes 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 363 days of assignable duration of negative potential gradient the total number of hours was 790·8 as compared with 838·1 in 1934; an average of 2·18 hours per day, as against 2·37 hours per day in 1934.

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 February, March, May, June and September and is exceeded by the mean value on Oa days, in all months excepting November. The general tendency is for 1935 values to be higher than those of 1934, this being the case in five 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 Oa days are as follows:-

	Oa 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

The highest values of both the (a) and (b) means occur in December. The mean value of 0a days is highest in February, being 342 volts per metre.

Noteworthy occasions of high potential gradient were as follows:-

(1) January 12d 2h 37m to 8h 8m and January 12d 18h 13m to 21h 26m. During the earlier period snow fell and was accompanied by lightning whilst in the latter the sky was cloudless and the ground snow covered. On both occasions the potential gradient remained continuously above 600 v/m and at times exceeded the upper limit of registration (+1140 v/m).

(2) January 13d 12h 4m to 16h 7m. During this period intermittent snow fell, the upper limit (1150 v/m) of potential gradient was at times exceeded while the potential gradient, excepting for a momentary drop, remained above 600 v/m.

(3) January 15d 15h 47m to 20h 11m. During this period of fog the potential gradient remained above 570 v/m and for more than an hour continuously exceeded the limits of registration (1140 v/m).

(4) January 29d 15h to 30d 0h 6m. During this period of clear skies, the potential gradient remained above 550 v/m and at times exceeded the limit of registration (1170 v/m).

(5) February 9d 18h 24m to 22h 17m. Potential gradient was above 580 v/m throughout and for a brief period exceeded the limit of registration (1170 v/m).

(6) June 24d 22h 45m to 25d 6h 13m. Associated with a low stratus cloud sheet the potential gradient remained over 580 v/m throughout, the extreme being 1000 v/m and the average about 740 v/m.

(7) November 24d 19h 57m to 25d 3h 28m. Fog developed during this interval and, apart from two brief intervals, the potential gradient exceeded 500 v/m, the maximum being 1280 v/m and the average approximately 800 v/m.

The following were the noteworthy occasions of continuous negative potential gradient:-

(1) March 29d 12h 45m to 19h 8m. Continuous slight rain fell during this period. The lower limit of registration (-850 v/m) was exceeded for an aggregate time of more than three hours.

(2) April 16d 1h 17m to 9h 32m. During continuous rain. potential gradient remained negative, the lower limit of registration (-860 v/m), apart for a brief period, being continuously exceeded throughout.

(3) September 18d 21h 12m to 19d 4h 29m. During this period of continuous rain, heavy at times, the lower limit of registration (-930 v/m) was exceeded frequently.

(4) October 8d 0h 21m to 6h 24m. Rain, heavy at times, fell throughout the period during most of which the potential gradient exceeded the lower limit of registration (-910 v/m).

(5) November 20d 23h 23m to 21d 7h 42m. Continuous light rain fell during this period in which the lower limit of registration (-810 v/m) was exceeded for an aggregate of nearly 4 hours.

On the following occasions long period of negative potential gradient were broken by short excursions to the positive side:-

(1) February 16d 3h 16m to 15h 10m. Rain fell continuously during this period and, apart from four very brief excursions to the positive side, the greatest reaching +34 v/m, potential gradient was negative throughout, the lower limit of registration (-810 v/m) being frequently exceeded.

(2) February 20d 2h 48m to 13h 12m. Apart from one brief excursion to +38 v/m, potential gradient was negative throughout and for the greater part exceeded the lower limit of registration (-810 v/m). Rain, heavy at first, fell continuously.

(3) April 16d 15h 45m to 17d 9h 18m. The potential gradient, apart from two excursions to the positive side of 14 minutes and 6 minutes respectively during the latter of which it reached +90 v/m, was negative and for an aggregate of over 12 hours exceeded the lower limit of registration (-840 v/m). Rain fell nearly continuously.

(4) May 15d 10h 10m to 17h 53m. During this period of snow, sleet and rain, apart from a very brief excursion to +66 v/m, potential gradient was negative and continuously below the limit of registration (-850 v/m).

(5) August 30d 11h 13m to 22h 43m. During this period of negative potential gradient there were several short excursions to the positive side, the value of the potential gradient in 5 of these exceeding the upper limit of registration (1000 v/m). There was continuous rain, heavy at first, throughout the period and the potential gradient frequently exceeded the lower limit of registration (-970 v/m).

(6) October 5d 2h 4m to 14h 27m. During one excursion of three minutes duration to the positive the potential gradient reached +61 v/m, but otherwise remained negative throughout, the lower limit of registration (-910 v/m) being exceeded for an aggregate of more than 5 hours. Rain fell continuously.

(7) November 15d 4h 42m to 11h 4m. There was one brief excursion to +158 v/m near the end of this period. Apart from this the potential gradient remained negative and exceeded the lower limit of registration -850 v/m during an aggregate of over 4 hours. Rain fell continuously.

There are considerable irregularities in the mean diurnal inequalities of potential gradient on 0a days for individual months, although in all months, excepting April, the principal maximum occurs in the late evening. When compared with normal values for 1911-21 the mean diurnal inequalities for the seasons, summer and equinox, correspond fairly closely to normal, excepting that the principal maximum is more prominent. In the mean diurnal inequality for the winter season, the chief difference is that the principal minimum is intensified.

TERRESTRIAL MAGNETISM

Notes on the Instruments

The standard magnetographs[1], which have been in regular use since 1909, are situated in the east chamber of the underground magnet house and until December 31, 1931 they were arranged so as to record changes of the three geographical components of terrestrial magnetic force, viz., the north component, N (or + X), west component, W(or - Y), and the vertically downward component V (or + Z). From January 1, 1932, the instruments recording changes in the north component, N, and the west component, W, were altered so as to record changes in the horizontal component, H, and the magnetic declination, D, respectively.

The instruments for the north and west components were of the Adie bifilar type, in which torsion of the bifilar suspension, of fine tungsten or steel wire, is utilised to bring the magnets into an azimuth approximately perpendicular to the directions of the components whose changes they respectively record. The alteration to the north component instrument consisted in turning the torsion head of the suspension until the magnet was in the azimuth perpendicular to the magnetic meridian. The alteration to the west component instrument consisted in replacing the bifilar tungsten wire suspension with a unifilar suspension of eight strands of unspun silk. In each of these instruments the magnet is about 13·8 cm. in length and is suspended within a copper shell, or frame, of suitable dimensions to ensure that the movements of the magnet are sufficiently damped. To the magnet is rigidly attached a semi-circular plane mirror, immediately beneath which is a fixed mirror of similar form and dimensions. Each magnet and mirror system is contained within a brass cylindrical case, cemented on to a pier and surmounted by a tall bell-jar of glass. Light from a brightly illuminated slit passes through a collimator, is incident upon the two mirrors and after reflection passes along a wooden channel and thence, through a horizontal hemi-cylindrical lens, to a photographic paper wound on a clock-driven cylinder. The hemi-cylindrical lens is set in the side of the case containing the recording drums, and matters are so arranged that the beams of light reflected from the two mirrors are brought to a focus by the lens which condenses the two vertical images to two sharply focussed dots on the paper. Hence the record obtained consists of two traces, the one straight and known as the base line, the other curved and representing the angular movements of the suspended magnet, and therefore the changes in the component of terrestrial magnetic force.

The standard instrument for the vertical component is a Watson multiple-magnet balance.[2] In this instrument the magnet system consists of eight magnetised steel rods, each 10 cm. long and 0·2 cm. in diameter, carried by an aluminium frame to the centre of which are attached the moving mirror and also the knife-edge, which bears upon an agate plane and about which the system balances. Copper damping plates and a temperature-compensating device are provided. The recording arrangements are similar to those describ-

---

[1]For a general description of magnetograph arrangements see "A Dictionary of Applied Physics," Vol. II, Macmillan, London

[2]Terrestrial Magnetism, Vol. VI.

ed above, save that the hemi-cylindrical condensing lens and the recording drum are vertical.

One clock serves to operate the three drums and also makes the time marks at two-hourly intervals.

To the containing case of each instrument is fitted a drying tube containing calcium chloride.

A determination of the azimuth of the magnet of the horizontal component magnetograph is carried out each year by comparing the deflections produced by an auxiliary magnet with its axis (a) magnetic east-west and (b) inclined at a known small angle to this azimuth. Drift of the magnet system of the Watson balance has been compensated from time to time in the past by adjusting the position of a small control magnet which was fixed vertically to the lower part of the pier on which the balance stands. This control magnet was removed during October 1932 and has not since been replaced.

The azimuth lines in use in the east chamber are those which were determined in 1914 and of which particulars are given on p. 70 of "Hourly Values from Autographic Records, Geophysical Section", 1913.

The diurnal range of temperature in the east chamber of the magnet house is normally negligible. Temperature is ascertained daily at 10h by the thermometers within the instrument cases. The daily values appear in Tables 272, 276, etc.; the monthly means of the readings so obtained during 1935, together with the mean values for the years 1911-1933, were as follows:-

EXCESS OF MEAN TEMPERATURE ABOVE 280°A.

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Mean 1935	4·0	3·3	2·9	2·7	3·1	3·9	5·3	6·4	6·8	6·3	6·3	4·2
Mean 1911-34	3·5	2·9	2·5	2·3	2·7	3·6	4·7	5·7	6·3	6·2	5·4	4·4

The annual range of temperature during 1935 was 4·4°C., the mean range for the previous twenty-four years being 4·3°C.

The constants of the standard magnetographs were as follows:-

	Horizontal Force	Declination	Vertical Force
Time scale .. 1 hour equivalent to	15·5 mm.	15·5 mm.	15·5 mm.
Time marks	Every two hours, beginning at exact hour.		
Error of time mark	Not more than ± 1 min.		
Period of vibration, seconds ..	14·4	10·9	7·5
Logarithmic decrement[1]..	·378	·621	-
Angular equivalent of 1 mm. on paper, radians	·00032	·00029	·0003
Twist of bifilar suspension	33°	-	-
Ratio $\frac{\text{length of bifilar suspension}}{\text{mean breadth of suspension}}$	73	-	-
Temperature coefficient, per 1° C.	-9γ	-	+ 20 to + 25γ
Direction of marked pole	West	North	-
Mean Azimuth of magnet	256	346	346°

[1] Log. decr. = $\log_e a_n - \log_e a_{n+1}$; where a_n, a_{n+1} are the amplitudes of two successive swings on the same side of the zero position.

The temperature coefficient of the Horizontal Force variometer (formerly the N component variometer) has remained sensibly constant for many years.

In issues of the Observatories' Year Book for years earlier than 1933 the temperature coefficient of the Vertical Force magnetograph has been given as +26γ per 1°C. A recent re-examination of the question shows that this was approximately the value until early in 1929. During that year however several adjustments were made to the instrument and as a result of these the temperature coefficient apparently was considerably reduced. The trend of base line values in relation to temperature variations in the magnetic chamber shows that in 1930 and 1931 the temperature coefficient of the vertical force variometer was about +10γ and that in 1932 and 1933 and part of 1934 the coefficient was approximately +13γ per 1°C. By the latter part of 1934 the coefficient had reverted to +26γ per 1°C. and it has remained between +20γ and +25γ per 1°C. throughout 1935.

Determinations of scale value of the standard magnetographs are carried out at intervals of two weeks. The method adopted is that due to Broun. It consists essentially in measuring the photographically recorded deflection of the suspended or pivoted magnet produced by an auxiliary or test magnet situated at a known distance from the deflected magnet. Two sets of relative positions of the deflecting and deflected magnets are used. For the H and D instruments they may be termed the "end on" and "broadside on" positions, the magnet axes being in one plane. In the case of the V instrument the deflecting magnet is vertical; in one position the line joining its centre to that of the deflected magnet is collinear with the axis of the latter, but in the other position it is perpendicular thereto. On a given occasion deflections are produced with the test magnet first on one side of the deflected magnet and then, at the same distance, on the other side, two deflections being produced at each side by reversal of the test magnet. Thus four deflection dots are obtained on the record. The two sets of relative positions of the magnets are employed on alternate occasions. The distance between the deflected and deflecting magnets is 90 cm., and approximate values of the double deflections produced are 47 and 93 mm. for the H instrument, 45 and 89 mm. for the D, and 58 mm. for the V. In deducing the scale values the force producing the deflections on the H and V instruments is determined from the deflection on the D instrument of which the scale value is known from its dimensions. The advantage of the method lies in the fact that by using the same deflecting distance in all cases, the magnetic moment of the test magnet is eliminated.

In the following table are given the scale values, obtained by overlapping means, which were employed in reducing the curve readings for 1935.

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	4·56	4·57	4·57	4·57	4·57	4·56	4·56	4·57	4·57	4·56	4·54	4·54
Vertical Force	3·77	3·76	3·75	3·74	3·74	3·76	3·79	3·79	3·79	3·79	3·79	3·79
Declination	1 mm. = 1′00 or 4·82γ											

In addition to the standard magnetographs there are in the west chamber of the underground magnet house auxiliary instruments of the Adie pattern (formerly the standard instruments at Kew Observatory) which also record changes in declination, D, horizontal force, H and vertically downward force, V. Declination records have been obtained since August, 1927, while the vertical force (Adie) and horizontal force records commenced in March and December, 1928. The general arrangements of these instruments are similar to those of the instruments in the east chamber. The declination magnet is suspended by a bundle of silk fibres (the torsion effect of which is negligible) and the scale value of the record is 1'.17 to 1 mm. The vertical force balance consists of a single magnet, of which the dimensions are approximately 13·5 cm. x 2 cm. x 0·2 cm. With the object of reducing loss of record during magnetic storms the scale values of the auxiliary H and V records are arranged to be considerably greater than those of the standard H and V records. Thus, in 1935 the scale values of the Adie H and V records were approximately 10γ and 5γ per mm. respectively. Determinations of scale value are made by the method due to Broun. To facilitate the necessary adjustment, from time to time, of the azimuth of the horizontal force magnet, magnetic meridian lines (and lines perpendicular thereto) representing a sufficient range of values of declination were laid down in the west chamber in December, 1928, on the basis of simultaneous observations of declination in the chamber and in the east magnetic hut.

An auxiliary la Cour magnetograph of the quick run type, recording H, D, and V, was installed in the west chamber of the underground magnet house in connection with the second International Polar Year and 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 Rucker 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 approximately once weekly 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, and (b) the deflection of a mirror magnet by the collimator magnet. Formerly deflection observations were made for three distances of the collimator

[1]Dict. of Applied Physics, Vol. II, p. 532 or Stewart and Gee's "Practical Physics."

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 times 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 1917-35 is ·00543. 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	...	+ 6·61	+ 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	-1265	...	·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

Though observations of horizontal force have continued to be made once weekly 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 comparing 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 disturbances 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.

---

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 1935

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. 1	12 9	13 56 40	12 51	69 47·2	14 43	16522	221 (21)	13 23·1 (23·5)	696 (701)
6	13 42	13 54 50	19 37	69 46·6	19 47	16531	220 (20)	23·2 (23·6)	702 (06)
10	9 19	13 54 10	9 37	69 46·0	10 3	16539	217 (17)	23·7 (23·8)	716 (12)
14	9 59	13 54 3	9 22	69 46·5	9 51	16533	218 (17)	24·1 (24·0)	713 (17)
18	9 7	13 53 5	9 25	69 47·1	9 53	16519	217 (18)	24·1 (24·1)	726 (22)
21	9 11	13 55 13	9 34	69 46·1	9 58	16537	217 (18)	24·2 (24·1)	729 (25)
25	9 13	13 54 15	9 30	69 47·1	9 58	16525	217 (18)	24·1 (24·1)	743 (29)
29	11 43	13 54 53	11 23	69 48·0	10 19	16517	212 (15)	24·2 (24·2)	741 (32)
Feb. 5	9 17	13 53 10	9 36	69 47·3	10 7	16521	213 (13)	13 24·6 (24·2)	743 (37)
12	9 9	13 52 50	9 29	69 46·7	9 57	16521	210 (12)	24·3 (24·2)	738 (40)
15	9 11	13 49 45	9 29	69 47·8	9 59	16519	213 (11)	24·0 (24·2)	742 (42)
18	9 15	13 52 17	9 31	69 47·5	9 56	16516	209 (11)	24·3 (24·3)	736 (43)
22	9 7	13 51 12	9 24	69 47·1	9 49	16512	210 (11)	24·1 (24·3)	740 (44)
25	9 15	13 55 33	9 32	69 47·2	9 55	16510	207 (11)	24·4 (24·3)	771 (45)
Mar. 1	9 9	13 50 55	9 26	69 48·5	9 55	16509	210 (10)	13 24·6 (24·3)	753 (46)
5	9 15	13 50 17	9 33	69 47·5	9 53	16512	210 (10)	24·4 (24·4)	749 (46)
8	9 13	13 49 15	11 45	69 47·4	9 39	16522	210 (10)	24·4 (24·4)	750 (47)
12	9 27	13 50 35	9 43	69 46·5	10 9	16528	210 (10)	24·5 (24·4)	753 (47)
15	9 15	13 54 0	9 34	69 49·5	9 59	16508	206 (10)	24·3 (24·4)	755 (48)
19	14 30	13 56 18	15 9	69 47·5	15 41	16524	207 (09)	23·9 (24·4)	760 (48)
23	14 29	13 57 27	10 45	69 46·5	14 49	16533	209 (08)	23·7 (24·4)	751 (48)
26	15 31	13 58 37	16 13	69 47·5	15 57	16524	208 (08)	23·9 (24·4)	748 (48)
29	7 47	13 47 17	8 23	69 47·2	8 9	16527	207 (08)	23·7 (24·4)	752 (48)
Apr. 3	9 11	13 46 43	9 31	69 47·8	9 59	16508	207 (07)	13 24·6 (24·4)	737 (48)
5	9 11	13 47 3	9 30	69 48·5	9 49	16493	207 (07)	24·8 (24·4)	738 (48)
9	9 15	13 55 40	9 33	69 48·3	10 1	16491	207 (07)	24·6 (24·4)	763 (49)
12	9 15	13 49 28	9 34	69 50·9	10 3	16475	208 (07)	24·4 (24·4)	761 (49)
19	8 3	13 47 15	8 25	69 47·7	9 1	16509	205 (07)	24·5 (24·5)	744 (48)
24	8 13	13 46 30	8 35	69 47·3	9 3	16507	207 (07)	24·5 (24·5)	726 (48)
26	8 7	13 46 30	8 29	69 46·7	9 5	16513	206 (07)	24·5 (24·5)	745 (48)
30	8 9	13 47 25	8 29	69 46·4	8 55	16517	206 (07)	25·1 (24·6)	745 (47)
May 3	8 11	13 46 45	8 33	69 46·8	8 59	16520	209 (09)	13 24·7 (24·6)	743 (46)
10	8 41	13 46 0	9 1	69 45·8	9 19	16537	211 (11)	24·6 (24·7)	749 (46)
17	8 11	13 44 5	8 33	69 47·1	8 55	16515	211 (11)	24·6 (24·6)	730 (44)
21	8 17	13 42 50	8 37	69 48·4	9 3	16503	213 (11)	24·6 (24·6)	742 (44)
24	8 13	13 46 22	8 37	69 47·3	9 3	16519	212 (11)	24·7 (24·6)	756 (43)
28	8 27	13 45 0	8 49	69 47·0	9 19	16534	214 (12)	24·5 (24·6)	769 (41)
31	8 7	13 45 56	8 31	69 47·0	9 1	16516	214 (13)	24·7 (24·6)	742 (39)
June 5	8 17	13 42 8	8 41	69 47·1	9 9	16516	215 (14)	13 24·8 (24·7)	729 (36)
7	8 15	13 45 48	8 36	69 46·8	9 8	16530	216 (14)	24·7 (24·7)	754 (35)
11	8 19	13 46 35	8 31	69 49·1	9 3	16492	214 (15)	24·7 (24·7)	735 (32)
14	8 17	13 46 42	8 39	69 47·6	9 7	16508	214 (15)	24·8 (24·7)	710 (30)
19	8 17	13 41 25	8 41	69 48·5	9 7	16487	218 (18)	24·5 (24·7)	700 (26)
21	8 19	13 43 43	8 40	69 48·1	9 7	16505	219 (19)	24·7 (24·7)	725 (25)
25	8 11	13 43 10	8 33	69 46·5	9 3	16513	221 (21)	24·7 (24·7)	693 (721)
28	8 7	13 44 45	8 29	69 47·3	9 5	16518	223 (22)	24·7 (24·7)	728 (20)
July 2	13 27	13 56 40	13 47	69 46·6	14 17	16526	224 (23)	13 24·7 (24·7)	743 (18)
6	8 13	13 40 55	8 31	69 47·3	8 59	16516	225 (26)	24·7 (24·7)	720 (15)
9	8 17	13 42 45	8 37	69 47·8	9 13	16513	229 (27)	24·7 (24·6)	718 (12)

ABSOLUTE DETERMINATIONS-Continued

Eskdalemuir 1935

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+
July	12	8 13	13 42 33	8 37	69 47·4	9 4	16507	229 (28)	13 24·5 (24·6)	696 (711)
	17	8 17	13 42 35	8 39	69 47·5	9 1	16507	229 (30)	24·6 (24·6)	700 (07)
	19	8 11	13 43 13	8 32	69 46·5	8 59	16538	231 (31)	24·8 (24·6)	718 (06)
	24	8 19	13 45 20	8 37	69 47·0	9 1	16509	231 (32)	24·8 (24·6)	690 (702)
	26	8 19	13 44 45	8 42	69 47·4	9 11	16516	233 (33)	24·8 (24·6)	704 (00)
	30	8 9	13 45 7	8 31	69 47·5	8 59	16513	235 (34)	24·5 (24·7)	703 (698)
Aug.	2	-	-	8 19	69 48·1	8 50	16494	234 (34)	13 - (-)	686 (96)
	7	8 13	13 42 45	8 45	69 48·6	9 13	16494	234 (34)	24·7 (24·6)	694 (93)
	9	8 9	13 44 7	8 53	69 48·1	9 22	16511	233 (35)	24·7 (24·6)	718 (691)
	13	8 27	13 42 57	10 5	69 48·7	9 7	16495	235 (35)	24·7 (24·6)	699 (89)
	14	7 59	13 42 50	14 25	69 46·6	10 3	16517	235 (36)	24·7 (24·6)	707 (689)
	15	7 37	13 42 55	10 59	69 48·5	9 5	16506	235 (36)	24·4 (24·6)	719 (688)
	20	8 17	13 47 40	9 37	69 49·2	9 14	16504	235 (36)	24·6 (24·4)	711 (686)
	22	8 23	13 44 40	9 35	69 49·7	8 57	16499	236 (37)	24·0 (24·4)	685 (85)
Sept.	3	8 19	13 42 32	13 17	69 45·8	9 1	16508	238 (39)	13 24·4 (24·4)	688 (80)
	6	8 37	13 43 25	8 59	69 47·2	9 25	16496	238 (39)	24·6 (24·4)	653 (79)
	13	8 11	13 42 40	8 39	69 48·6	9 11	16498	239 (39)	24·5 (24·4)	672 (78)
	17	8 29	13 50 15	8 49	69 48·8	9 15	16489	237 (40)	24·4 (24·5)	699 (78)
	20	8 25	13 42 38	8 48	69 48·4	9 24	16503	241 (40)	24·6 (24·5)	688 (78)
	23	8 21	13 43 32	13 17	69 48·3	8 58	16507	238 (40)	24·6 (24·4)	719 (679)
	28	8 13	13 45 40	9 3	69 49·1	9 29	16494	237 (40)	24·4 (24·4)	691 (80)
Oct.	1	8 17	13 51 2	8 40	69 48·1	9 19	16498	238 (40)	13 24·3 (24·5)	666 (81)
	4	12 6	13 47 46	8 41	69 47·2	9 19	16516	241 (40)	24·4 (24·5)	680 (82)
	9	9 21	13 41 53	9 41	69 48·5	10 9	16495	239 (39)	24·7 (24·7)	681 (84)
	11	9 17	13 41 35	9 40	69 47·7	10 15	16503	236 (39)	24·6 (24·6)	694 (86)
	15	9 23	13 42 3	9 49	69 50·0	10 13	16494	238 (38)	24·6 (24·5)	711 (688)
	18	9 11	13 44 43	9 33	69 48·2	9 59	16509	235 (38)	24·5 (24·5)	709 (690)
	24	9 3	13 49 23	9 27	69 50·7	10 1	16472	237 (36)	24·7 (24·5)	718 (693)
	29	9 5	13 42 50	9 29	69 50·1	10 3	16482	235 (34)	24·5 (24·5)	687 (96)
Nov.	4	9 15	13 41 43	9 41	69 48·2	10 9	16502	233 (35)	13 24·4 (24·4)	690 (701)
	5	9 23	13 41 53	10 2	69 49·2	10 31	16494	230 (32)	24·5 (24·4)	704 (02)
	6	9 17	13 42 50	9 39	69 49·3	10 17	16477	227 (32)	24·4 (24·4)	714 (02)
	7	9 15	13 41 53	9 37	69 48·9	10 7	16502	231 (32)	23·8 (24·4)	717 (03)
	8	9 27	13 41 17	10 0	69 49·7	10 29	16490	231 (32)	23·9 (24·4)	726 (04)
	12	9 14	13 43 3	9 36	69 47·7	10 9	16502	226 (30)	24·2 (24·3)	706 (07)
	13	9 14	13 43 17	9 59	69 49·6	10 27	16491	232 (30)	24·3 (24·3)	724 (08)
	15	9 5	13 41 38	9 27	69 49·1	9 59	16500	232 (29)	24·4 (24·3)	708 (10)
	19	9 11	13 43 3	9 33	69 48·4	10 16	16502	228 (28)	24·3 (24·3)	722 (13)
	22	9 11	13 43 12	9 32	69 48·1	10 11	16509	227 (27)	24·3 (24·3)	715 (16)
	26	9 15	13 43 25	9 37	69 47·8	10 5	16512	226 (26)	24·4 (24·3)	712 (19)
	29	9 13	13 44 22	9 35	69 46·7	10 21	15528	228 (26)	24·4 (24·3)	725 (22)
Dec.	4	9 17	13 44 30	9 39	69 48·5	10 3	16508	222 (23)	24·5 (24·3)	728 (26)
	6	9 27	13 43 13	9 48	69 48·5	10 15	16511	222 (22)	24·2 (24·3)	739 (28)
	11	9 23	13 42 17	9 43	69 48·7	10 7	16507	220 (21)	24·2 (24·2)	741 (32)
	13	9 33	13 46 10	9 52	69 48·7	10 18	16508	221 (20)	24·3 (24·2)	743 (34)
	17	9 13	13 44 55	9 33	69 49·5	10 5	16500	219 (18)	24·2 (24·2)	739 (37)
	20	9 13	13 42 35	9 33	69 48·1	10 7	16516	217 (17)	24·3 (24·2)	732 (38)
	24	9 17	13 42 38	9 39	69 47·3	10 27	16527	214 (15)	24·4 (24·3)	750 (38)
	27	9 11	13 45 10	9 33	69 48·1	9 55	16508	216 (15)	24·3 (24·3)	733 (39)

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 1935

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 the non-cyclic change has been eliminated on the assumption that its time-rate is linear. The inequalities of N, W, and I have been computed from those of H, D, and V, by means of the formulae:

$$\delta N = \cos D.\ \delta H - \frac{\pi}{180 \times 60} H \sin D.\delta D$$

$$\delta W = \sin D.\ \delta H + \frac{\pi}{180 \times 60} H \cos D.\delta D$$

$$\delta I = \frac{180 \times 60}{\pi} \cos I \left(\frac{\delta V \cos I - \delta H \sin I}{H}\right)$$

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 in Table 336.

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 $\Sigma\,(a_n \cos 15nt^o + b_n \sin 15nt^o)$ and $\Sigma c_n \sin (15nt^o + \alpha_n)$. 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 1935 and recent years at a number of observatories.

Review of Results of Magnetic Observations

Mean and Extreme Values of the Magnetic Elements, 1935.- The mean values† are given below in Table 1 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. 178.

means of the absolute observations; those of N, W, I, and T have been deduced from the values of H, D, and V.

TABLE 1

Year	H	D (West)		I		N	W	V	T
	γ	°	′	°	′	γ	γ	γ	γ
1934	.. 16536	14	0·6	69	45·9	16044	4003	44859	47810
1935	.. 16525	13	48·8	69	47·0	16047	3945	44875	47822

Westerly declination was on the average 11′·8 less in 1935 than in 1934 The rate of decrease is practically the average rate of recent years. Between 1913 and 1920 the average rate of decrease was 9′·3. The fall of 11γ in H between 1934 and 1935 is to be compared with 8γ between 1933 and 1934 (between which years the discontinuity of 14γ was introduced; see O.Y.B. for 1932) and with 10γ for the average annual rate of decrease over the 10 years 1923-32. The slight increase of 6γ in N and the decrease of 58γ in W are similar to the changes in these derived components in former years. Inclination increased by 1′·1 between 1934 and 1935 compared with 0′·7 for 1933 and 1934. After allowing for the discontinuity of 38γ on January 1 1934, the change in V between 1933 and 1934 was a rise of 7γ; between 1934 and 1935 the rise was 16γ. With corresponding allowances the increases in T from the earlier to the later of these pairs of years have been 3γ and 12γ.

Annual mean values derived from (a) international quiet days and (b) international disturbed days are as follows:-

(a) H, 16529γ; D, 13° 48′·9; N, 16051γ ; W, 3947γ; V, 44874γ
(b) H, 16520γ; D, 13° 48′·6; N, 16042γ ; W, 3943γ; V, 44876γ

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 1926-35 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
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 1935 are given in Table II.

TABLE II

Component	Maximum		Minimum		Absolute Annual Range
	Value	Date, 1935	Value	Date, 1935	
		d h m		d h m	
Horizontal Force	16675γ	Sept.11 20 58	16362γ	Apr. 11 10 38	313γ
Declination	14° 11′·7	Mar. 14 13 38 June 18 19 42	13° 14′·4	Oct. 21 18 12	57′·3
Vertical Force	45019γ	Oct. 24 15 4	44731γ	Sept.12 3 6	288γ

The range of 57′·3 in declination is equivalent to a range of 275γ in the component of force perpendicular to the magnetic meridian.

Magnetic Character of the Year.- The Eskdalemuir practice of tabulating for each day the value of ΣR^2 has been discontinued in favour of the expression $HR_H + VR_V$ presently being tried on an international basis as a numerical measure for characterising days. The magnetic character figures on the scale 0, 1, 2 which were assigned 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 1935 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, like the mean character figure, is greater than for 1934. The mean sunspot numbers for the years 1923-35, 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 and 36·1.

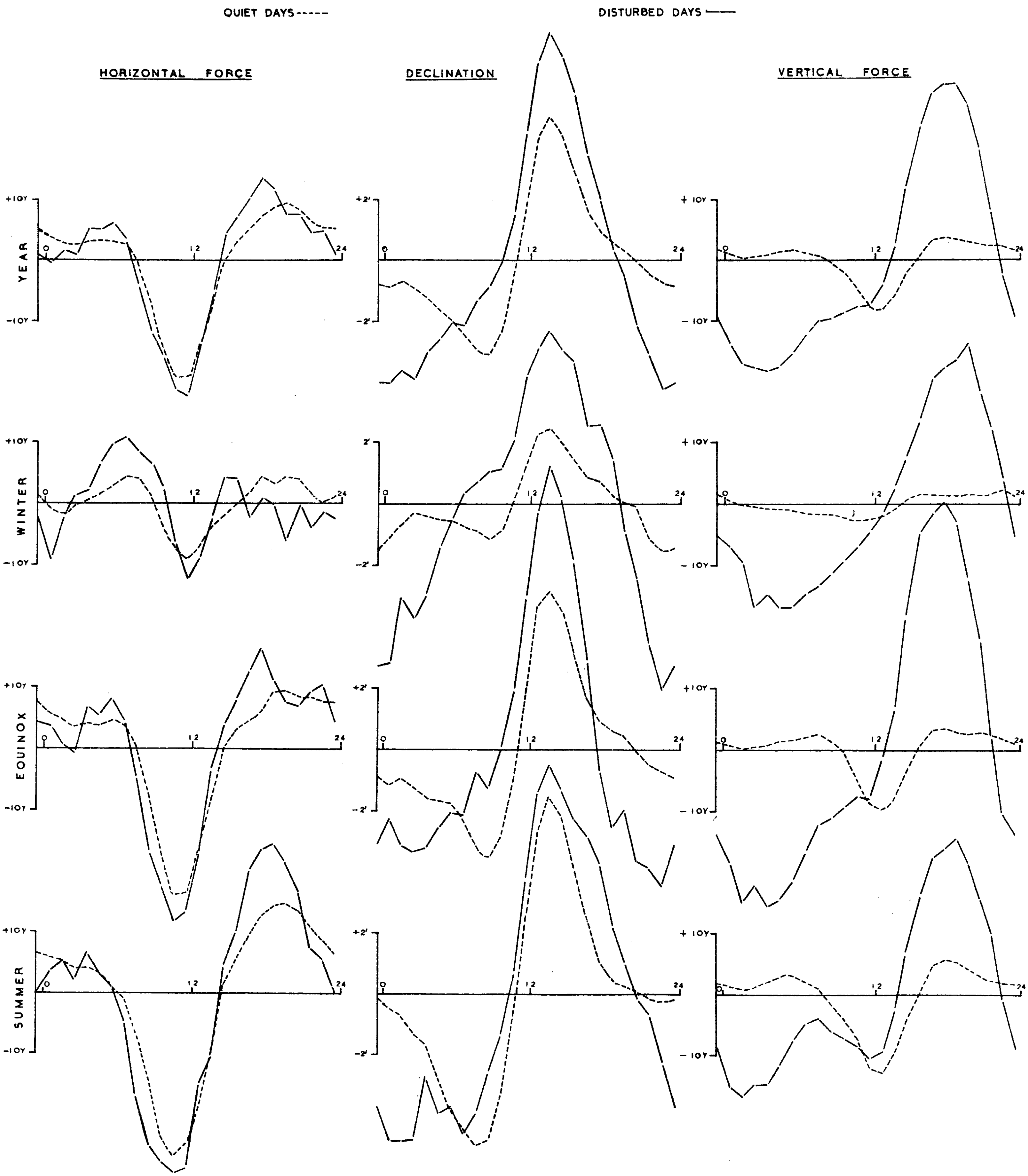
The mean values of $HR_H + VR_V$ for all days suggest that September was the most disturbed month.

Plate III

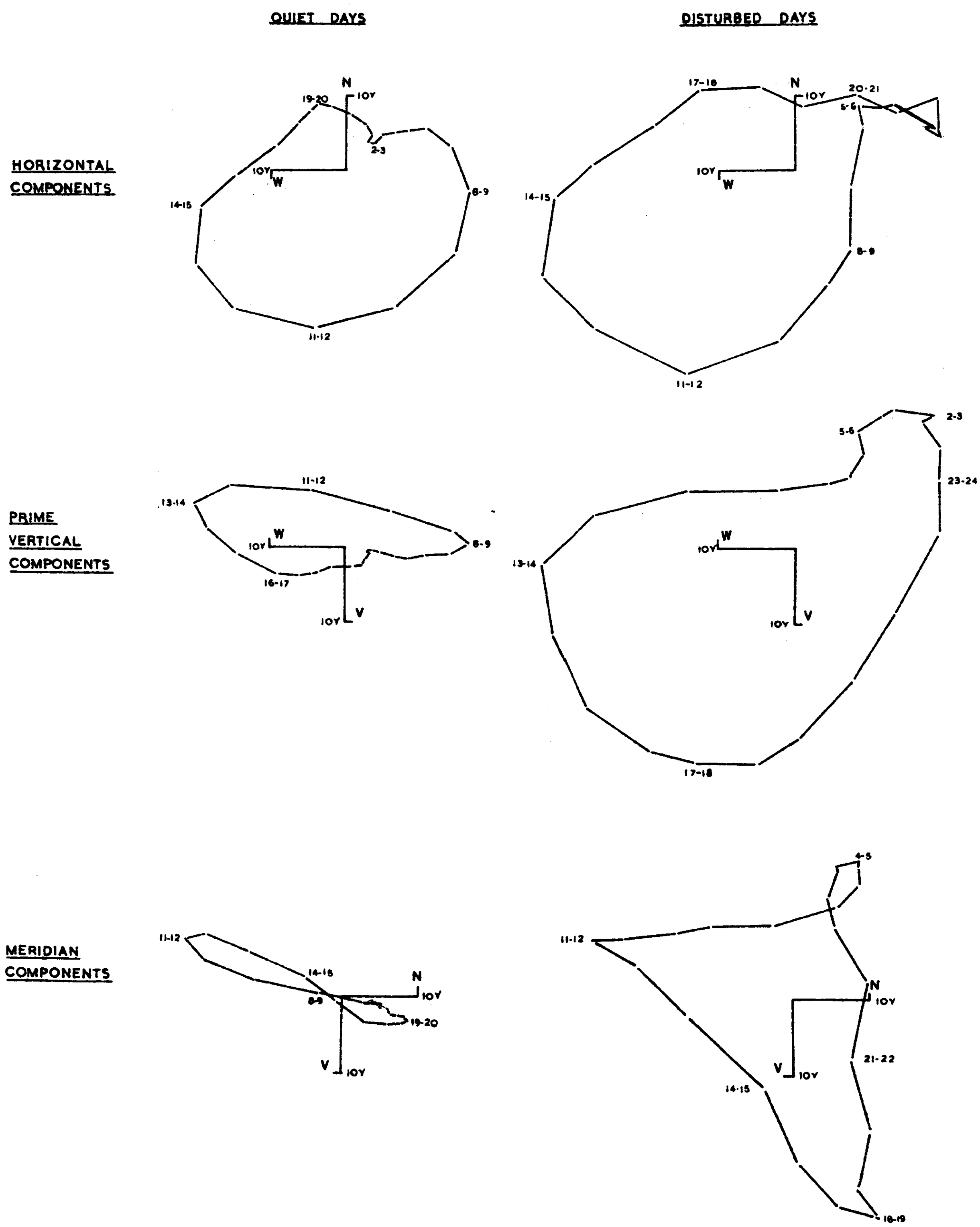
To face page 184

DIURNAL VARIATION OF THE MAGNETIC ELEMENTS

ESKDALEMUIR 1935



VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE ESKDALEMUIR 1935



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
1935								
January	11	20	0	·65	·69	213	90	438
February	9	16	3	·79	.72	278	93	693
March	9	21	1	·74	·73	312	169	622
April	12	15	3	·70	·55	312	152	805
May	13	16	2	·65	·51	285	188	610
June	10	17	3	·77	·68	386	207	907
July	14	16	1	·58	·56	285	204	510
August	13	18	0	·58	·51	244	164	332
September	8	16	6	·93	·86	425	183	887
October	7	20	4	·90	·86	367	171	695
November	16	14	0	·47	·65	242	103	538
December	8	23	0	·74	·73	229	77	449
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 1935 the ranges of the annual mean inequalities of all components were greater than in 1934 for all three classes of days; the percentage increase is greatest for V on disturbed days and particularly so in the equinoctial months.

*$\frac{NR_N + WR_W + VR_V}{10,000\gamma^2}$ 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 1935 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 1935 is 36·1.

The 1935 ranges are nearly all below the average.

		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	32·7	37·0	12·1	32·4	8·00	48·3	53·7	65·6	49·7	11·14
	1935%	89	98	86	85	99	91	98	97	88	97	79	98	72	73	105
Winter,	1916-26	22·1	27·7	15·9	18·3	6·31	19·0	19·4	5·2	15·9	4·42	30·1	49·5	53·8	27·5	10·50
	1935%	97	111	92	102	108	81	90	93	84	89	89	110	81	84	112
Equinox,	1916-26	41·5	44·2	27·2	39·0	9·57	37·3	42·0	13·1	37·2	9·04	56·0	65·3	82·0	55·4	13·76
	1935%	90	99	85	88	97	90	96	102	89	96	86	93	80	80	100
Summer,	1916-26	54·0	55·6	26·5	56·1	11·33	45·6	53·4	19·8	46·7	11·12	78·3	67·9	70·2	85·5	12·80
	1935%	83	96	90	81	100	90	100	94	88	102	68	81	60	63	96

<u>Daily Range</u>.- 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 4·81 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					
	1935			Mean 1916-26			1935			Mean 1916-26		
	H	D	V	N	W	V	H	D	V	N	W	V
	γ	γ	γ	γ	γ	γ	%	%	%	%	%	%
January ..	58	69	26	69	73	39	81	89	65	80	88	81
February ..	59	74	40	69	76	38	82	95	100	80	92	80
March	67	89	45	95	94	57	93	114	113	110	113	119
April	78	72	41	98	88	54	108	92	103	114	106	113
May	71	73	37	102	88	59	99	94	93	119	106	123
June	96	85	51	92	85	46	133	109	127	107	102	96
July	76	73	36	86	82	43	106	94	90	100	99	90
August ..	67	67	31	98	88	55	93	86	77	114	106	115
September ..	94	94	60	100	92	63	131	121	150	116	111	131
October ..	82	91	51	94	93	57	114	117	127	109	112	119
November ..	59	72	32	62	66	34	82	92	80	72	80	71
December ..	59	75	30	60	64	33	82	96	75	70	77	69
Winter ..	59	73	32	65	70	36	82	94	80	76	84	75
Equinox ..	80	87	49	97	92	58	111	112	123	113	111	121
Summer ..	77	75	39	95	86	51	107	96	97	110	104	106
Year	72	78	40	86	83	48	-	-	-	-	-	-

The annual and seasonal mean daily ranges of H, D and V are all greater than the corresponding means for 1934.

The frequency distribution of absolute daily ranges recorded in 1935 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 1935			Percentage			Distribution		
				H	N	D	W	V	
γ	H	D	V	1935	1916-26	1935	1916-26	1935	1916-26
0-9	0	0	13	0·0	0·0	0·0	0·0	3·6	6·3
10-19	2	2	74	0·5	1·7	0·5	0·9	20·3	20·2
20-29	14	6	102	3·8	4·9	1·6	4·5	27·9	24·8
30-39	28	20	66	7·7	7·8	5·5	7·5	18·1	14·3
40-49	46	28	27	12·6	9·9	7·7	10·6	7·4	8·1
50-59	65	64	23	17·8	12·2	17·5	12·0	6·3	4·8
60-69	55	66	10	15·1	12·9	18·1	13·1	2·7	4·2
70-79	37	48	9	10·1	10·3	13·2	12·4	2·5	3·1
80-89	36	37	5	9·9	8·1	10·1	8·6	1·4	2·3
90-99	26	26	7	7·1	6·5	7·1	7·5	1·9	2·1
100-109	16	15	7	4·4	5·3	4·1	4·7	1·9	1·1
110-119	9	13	7	2·5	4·0	3·6	3·5	1·9	1·2
120-129	4	9	4	1·1	3·5	2·5	2·7	1·1	0·8
130-139	7	9	1	1·9	2·6	2·5	2·2	0·3	0·8
140-149	6	5	7	1·6	1·7	1·4	2·2	1·9	0·3
150-159	0	1	1	0·0	1·3	0·3	1·2	0·3	0·7
160-169	5	3	0	1·4	1·2	0·8	0·9	0·0	0·5
170-179	1	3	0	0·3	0·8	0·8	1·0	0·0	0·4
180-189	1	4	1	0·3	0·6	1·1	0·7	0·3	0·5
190-199	2	1	1	0·5	0·5	0·3	0·6	0·3	0·3
200+	5	5	0	1·4	4·4	1·4	3·1	0·0	3·1
Days Omitted	0	0	0	0·0	...	0·0	...	0·0	...

TABLE VI. PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR 1935

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. 16 20	Jan. 19 2	565	18 23 54	473	17 12 8	92	63·1	17 1 38	35·1	17 22 22	28·0	902	17 16 4	804	17 2 14	98
2*	Jan. 27 14 50	Jan. 29 2	580	27 14 56	424	28 0 53	156	62·1	27 18 22	25·2	27 22 16	36·9	943	27 19 56	833	28 5 48	110
3	Feb. 1 8	Feb. 2 20	570	2 4 15	452	1 22 33	118	66·7	1 16 30	33·1	2 0 34	33·6	972	2 19 36	777	2 4 18	195
4	Feb. 13 0	Feb. 15 22	637	13 23 8	453	13 21 36	184	67·2	13 20 8	28·4	13 23 2	38·8	917	13 19 38	800	14 2 40	117
5	Mar. 12 23	Mar. 18 4	611	14 16 30	448	14 9 22	163	71·7	14 13 38	22·6	14 17 6	49·1	988	14 17 3	805	15 1 44	183
6	Mar. 20 12	Mar. 22 4	577	21 18 7	485	22 1 31	92	64·3	21 14 56	37·2	21 17 57	27·7	939	21 17 38	839	22 2 4	100
7	Apr. 8 22	Apr. 13 24	623	12 16 53	362	11 10 38	261	69·6	10 14 59	34·5	10 20 31	35·1	963	10 18 34	788	11 1 55	175
8	May 1 13	May 2 5	615	1 15 49	446	1 14 54	169	65·3	1 13 32	17·3	1 23 23	48·0	902	1 17 37	774	2 0 12	128
9	May 10 11	May 12 8	616	10 17 24	480	11 11 24	136	59·8	10 17 25	36·8	11 1 0	23·0	907	10 20 45	837	12 2 23	70
10	May 18 12	May 22 4	573	18 20 46	448	20 7 17	125	65·5	20 3 38	36·6	19 0 1	28·9	900	20 15 21	781	20 4 4	119
11	June 7 12	June 11 24	671	11 16 56	414	8 2 32	257	63·1	7 14 6	17·8	8 0 36	45·3	934	7 19 26	739	8 2 38	195
12	June 17 16	June 20 24	671	18 19 22	451	18 19 39	220	71·7	18 19 42	35·6	18 4 30	36·1	977	18 17 0	837	18 4 4	140
13*	July 24 20 35	July 26 4	629	24 20 39	438	25 5 35 11 48	191	58·2	25 7 50	33·7	24 22 34	24·5	913	25 18 58	773	25 1 25	140
14	Sept. 9 19	Sept. 12 8	675	11 20 58	422	12 0 30	253	66·3	11 13 37	23·1	11 20 52	43·2	956	11 18 8	731	12 3 6	225
15	Sept. 15 8	Sept. 19 8	578	18 22 10	446	18 10 5	132	58·4	17 14 41 18 13 50	32·5	19 23 3	25·9	922	18 14 30	811	17 1 30	111
16	Sept. 23 6	Sept. 26 16	641	23 15 29	368	25 9 4	273	66·4	23 13 20	27·9	24 0 40	38·5	964	23 18 47	807	25 4 22	157
17	Sept. 30 8	Oct. 2 24	578	2 22 32	450	30 15 48	128	59·4	30 14 29	31·6	30 22 16	27·8	934	30 18 48	814	30 23 26	120
18	Oct. 10 13	Oct. 12 4	577	11 18 30	476	11 15 15	101	55·5	11 16 19	28·4	11 18 24	27·1	924	11 17 30	849	12 1 30	75
19	Oct. 20 9	Oct. 21 24	574	21 22 42	431	21 23 18	143	65·4	20 14 32	14·4	21 18 12	51·0	968	20 15 14	828	21 22 59	140
20*	Oct. 24 6 39	Oct. 26 1	590	24 14 48	405	24 11 43	185	66·3	24 15 32	24·2	25 23 32	42·1	1019	24 15 4	849	25 22 58	170
21*	Oct. 27 3 46	Oct. 31 24	565	31 19 20	453	31 12 18	112	60·6	27 18 42	26·7	27 22 40	33·9	983	27 19 35	862	30 6 48	121
22	Nov. 5 2	Nov. 6 14	581	5 22 51	444	5 18 21	137	54·8	6 3 20	24·5	5 18 36	30·3	923	5 17 55	840	6 3 55	83
23	Nov. 11 19	Nov. 14 24	584	13 21 58	447	12 12 17	137	56·5	12 14 57	18·4	12 23 50	38·1	965	12 16 48	853	12 5 19	112
24	Dec. 14 14	Dec. 16 24	589	16 21 43	445	16 14 58	144	54·1	15 7 0	20·2	14 22 40	33·9	966	14 18 37	870	15 2 0	96
25*	Dec. 24 19 34	Dec. 29 2	557	28 1 31	451	28 11 53	106	56·2	26 15 30	29·0	26 23 14	27·2	950	27 21 36	867	26 7 22	83

The intervals of maximum frequency in 1935 lie between 50 and 59γ for H, 60-69γ for D, and 20-29γ for V. For D and V these intervals are both 10γ higher than in 1934: for H 10γ lower.

On 22 days in 1935 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 1935 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
No. of days	30	47	35	56	58	36	27	32	11	10	24	46	41	48	50	88	17	31	17	13	22

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
No. of days	18	7	5	9	16	1	2	1	2	0

<u>Irregular changes in Declination</u>.- 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 1935, 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′	69	78	78	60	35	62	34	32	104	112	68	112	844
15′ to 30′	9	2	7	6	3	3	1	0	14	7	5	2	59
> 30′	0	1	1	0	0	0	0	0	0	0	0	0	2

Hourly Distribution. 1935
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′	56	53	47	30	32	18	17	22	21	20	10	23	24	17	25	35	36	40	47	50	63	55	54	49
15′ to 30′	3	4	1	4	0	1	0	0	0	0	0	0	0	0	1	3	4	5	10	4	4	3	8	4
> 30′	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	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 1935.- 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, 1935

JANUARY.- (Average Character Figure 0·65)

Throughout most of the month and particularly between 6th and 14th and from 29d 2h to 30d 6h, conditions were mainly quiet. The first noteworthy disturbance continued from late on 16th to early on 19th, a fall of 72γ in V between 1h and 2h 14m on 17th being the outstanding feature, D oscillating through 25' during the same period. The 20th was comparatively quiet but minor disturbances occurred from 21st to 26th.

After another quiet day a movement of 'sudden commencement' type (-16γ, +48γ in H) at 27d 14h 50m was followed by some disturbance which persisted until 29d 2h. The chief feature was a rise in V through 70γ between 18h and 20h on 27th.

FEBRUARY.- (Average Character Figure 0·79)

Slight disturbance occurred early on 1st followed by fairly large fluctuations (187γ in V, 118γ in H and 33·6' in D) during the night 1st-2nd. From 4th to 12th the disturbance was of a minor character, though a large sunspot in solar lat. -17° crossed the central meridian at 4·6 d*.

Activity increased early on 13th though ranges were not large until between 20h and midnight, H having peaks of 123γ and 148γ, D varying through 38' and V through 108γ during that period.

Disturbance diminished on 14th but continued intermittently and on a small scale for the remainder of the month; only 19th, 27th and 28th were quiet.

MARCH.- (Average Character Figure 0·74)

Conditions were fairly quiet till about 12d 23h when disturbance set in which continued intermittently till 17th. The greatest movements were 163γ in H, 183γ in V and 49·1' in D and occurred in the period 14d 9h to 15d 2h. At this time there was a sunspot, central meridian passage 15·2d*. Apart from some further disturbance during 20th to 22nd and on 24th, conditions were relatively quiet till 30th. A movement (-27γ, +73γ in H) of 'sudden commencement' type at 30d 12h 13m was followed by 10 hours of comparatively small disturbance in which the major fluctuation was a drop of 68γ in H at 14h 40m.

APRIL.- (Average Character Figure 0·70)

After seven consecutively quiet days at the beginning of the month, slight disturbance occurred on 8th and 9th. This was followed by another quiet

*"The Observatory" February 1936.

interval (9d 17h - 10d 8h) after which the only notable disturbance of the month began. Activity increased after noon on 10th. V attained maxima at 18h 34m and 20h 25m then fell 163γ to its minimum at 11d 1h 55m. After a period of continuously irregular fluctuations, H fell to its lowest value of the year, 16362γ, at 11d 10d 38m, then rose by 243γ in a series of peaks to reach its maximum during the disturbance at 21h 9m. The range in D in the disturbance was 35·1'. There was a small spot on the sun's disc about this time, central meridian passage 9·4d.*

Except for a rise in H of 132γ in 20 minutes just before 17h on 12th and a similar though multiple movement at about the same time on 13th the disturbance diminished throughout both these dates. From 14th to the end of the month conditions remained fairly quiet, the quietest periods being from 20d 2h to 23d 8h and from 23d 18h to 30d 7h.

MAY.- (Average Character Figure 0·65)

Disturbance began with a movement of 'sudden commencement' type at 1d 12h 47m (-6γ, +45γ in H), after which H fluctuated rapidly through 169γ, reaching a maximum just before 16h. Activity decreased temporarily but recommenced at about 23h, when H, D and V all fell sharply (D through 34'), though not simultaneously. V did not reach its minimum until after midnight. A slow irregular rise followed and conditions became quiet at 2d 5h. The ranges during this disturbance were 169γ in H, 48·0' in D and 128γ in V.

Conditions continued to be quiet, especially after 3d 22h, until late on 10th, when slight disturbance commenced which lasted until 12d 8h. The 14th and 15th were quiet. Slight activity on 18th and 19th was followed by more marked disturbance on 20th, the chief features being a peak in D of 22' at 3h 38m and falls of 90γ in V, 104γ in H. The minima in these elements were reached at 4h 4m and 7h 14m respectively. Slight activity continued for a further 48 hours and during the remainder of the month only minor disturbance was recorded.

JUNE.- (Average Character Figure 0·77)

The first 3 days were quiet and only minor movements occurred on the next 3. Disturbance set in about 7d 12h. After a peak of 102γ amplitude, H oscillated rather rapidly while rising to a rounded maximum at 16h 15m. It then fell more steadily to a minimum at 22h 3m. This was immediately followed by another large up-and-down movement in which the rise of 196γ took 26 minutes. A dip of 104γ just after 2h on 8th was the only other noteworthy movement in H. Until 7d 21h the trend of the disturbance in D closely followed that in H, though on a reduced scale. After 21h the direction of the D oscillations was reversed relative to those in H and increased in range. The decrease in D between 22h 4m and 22h 24m was 27', and the minimum attained shortly after midnight was 30' below the mean for that period. After about 1h on 8th the movements in D were again more closely parallel with those in H. V rose steadily to its maximum at 7d 19h 26m, fell more rapidly through 176γ to a double minimum just after 22h and then, after a slight recovery, to another, less sharp, minimum, 12γ lower at 8d 2h 38m.

Activity decreased after 8d 3h but continued intermittently till the evening of 11th, especially during the daylight hours. About this time there

* "The Observatory" February 1936.

was a moderate sunspot, central meridian passage 10·2d*. H reached its maximum for the whole disturbance at 11d 16h 56m. Ranges for the period 7d-11d were 257γ in H, 45·3' in D and 195γ in V. Diminution in intensity continued on 12th and 13th and conditions were quiet from 14d 4h to 16d 16h.

After minor disturbance on 17th all elements began to rise after noon on 18th, each having a series of peaks between 15h and 17h, then falling to minima at about 20h. H reached its minimum at 19h 39m after a fall of 220γ in 17m, the complete range for the disturbance. Activity then decreased and conditions were quiet on 22nd, continuing mainly so during the rest of the month, despite the existence of a large sunspot, central meridian passage 29·9d in solar latitude -24°*.

JULY.- (Average Character Figure0·58)

The first 5 days were quiet and 6th was very quiet. A movement (-5γ, +59γ in H; -·9', +4·5' in D; -7γ in V) of 'sudden commencement' type at 7d 21h 9m was followed by only slight disturbance, though H fell 114γ to a minimum at 8d 7h 50m. A similar 'sudden commencement' movement (-25γ, +117γ in H; -2·2', +7' in D and +1γ, -7γ in V) at 14d 15h 31m also preceded only a slight increase in activity. The 16th and 17th were quiet and from 18th to 24th disturbance was of insignificant size. At 24d 20h 35m a 'sudden commencement' (-5γ, +91γ in H; -·5', +3' in D; -9γ in V) initiated a disturbance which lasted until 26th with ranges of 191γ in H, 24·5' in D and 140γ in V. The nearest sunspot was one of central meridian passage 22·0d*

Between 24d 22h and 24d 23h dips in D and V of 13' and 68γ were associated with a peak of 77γ in H, and a slightly larger dip in V just after 1h accompanied peaks of 12' and 54γ in D and H. H and V were both below normal until about 26d 14h but activity decreased and the remainder of the month was almost quiet, the 30th being the quietest day.

AUGUST.- (Average Character Figure 0·58)

Though disturbance of small order was seldom absent, no one period of activity was particularly noteworthy. The quietest periods occurred from 2d 16h to 5d 10h, from 14d 0h to 15d 12h and from 16d 22h to 19d 4h.

At 27d 17h 32m an abrupt movement (-4γ, +46γ in H; -0·2', +3' in D; slight in V), partially resembling a 'sudden commencement', was followed by about six hours' disturbance which included some rapid oscillations, especially in H. The overall range in H was 135γ.

SEPTEMBER.- (Average Character Figure 0·93)

Except for slight activity during the first 9 hours of 1st and during the night 5-6d, conditions were quiet until late on 9th, when disturbance commenced. Very rapid fluctuations occurred between 11d 1h and 13h, particularly in H and D, superimposed on variations of greater amplitude which reached a maximum late the same day.

V reached its maximum at 18h 8m, then fell irregularly to a minimum at 12d 0h 50m and still lower at 3h 6m. H, with a rise of 189γ in 14 minutes, reached the first and highest of 3 sharp maxima at 20h 58m, the others fol-

*"The Observatory" February 1936.

lowing at intervals of 40 minutes. Deep minima occurred at 11d 23h 12m and 12d 0h 30m. D showed very similar variations, but their amplitude increased after midnight, maxima being reached at 12d 0h 30m and 12d 5h 17m. The ranges of the disturbance were 253γ in H, 43·2' in D and 225γ in V.

Quieter conditions were experienced from 12d 8h to 14d 18h. A slight disturbance, lasting from 15d 8h to 19d 8h, had no features worthy of note.

After another quiet period activity recommenced at 23d 6h. There was a sunspot whose central meridian passage was at 21·9d*. H had sharp peaks of about 160γ and 120γ at 13h 20m and 15h 29m, followed by a slow fall and rapid recovery at 24d 2h. The V curve was more regular, with maximum at 23d 18h 47m and minimum just after 24d 2h, when a sharp rise followed. D had several peaks between 13h and 18h, then fell slowly to a minimum at 24d 0h 40m. A maximum at 2h 12m was followed by a sharp fall. Activity decreased on 24th but was intensified early on 25th, H falling 120γ to a minimum at 9h 4m and D rising 26' between 2h 25m and 3h 50m. Disturbance continued throughout 25th and 26th, the ranges for the period 23rd to 26th being 273γ in H, 38·5' in D and 157γ in V.

There was only minor activity for the remainder of the month until slight disturbance commenced at 30d 8h.

OCTOBER.- (Average Character Figure 0·90)

Slight disturbance on 1st and 2nd - with a 'sudden commencement' type of movement at 2d 17h 20m (-9γ, +39γ in H; -·4', +2·1' in D; very slight in V) - was followed by quiet conditions from 2d 24h to 6d 24h. A sudden irregular rise of 50γ in H and a fall of 12' in D, with rapid recoveries, between 7d 0h and 7d 2h, were followed by only minor disturbances. Phenomena similar in type and magnitude occurred at 10d 17h 50m and 10d 21h 40m and again on 11th but, though conditions were never quiet, no notable disturbance was observed until 20d 9h. V rose markedly to its afternoon maximum at 15h 14m while H and D fluctuated rapidly with ranges of 100γ and 42' respectively. After a few hours' decrease of activity it intensified again on 21st, D falling rapidly to the lowest value of the year at 18h 12m. The ranges for the days 20th and 21st were 143γ in H, 51' in D and 140γ in V. A large sunspot in solar lat. + 23° passed the meridian on 21·0d*

The 22nd and 23rd were less disturbed but after a 'sudden commencement' (+8γ, -25γ in H; -1·9', +5·2' in D; slight in V) at 24d 6h 39m H fell to a minimum just before noon, then rose with V and D to a maximum at about 15h, each curve showing a triple peak and V reaching its highest value for the year at 15h 4m.

After a quieter day activity was renewed at 25d 19h, D falling rapidly through 22' to a minimum just before 24h. The ranges for 24th and 25th were 185γ in H, 42·1' in D and 170γ in V.

The 26th was quiet but a small movement of 'sudden commencement' type (-1·2', +6·2' in D; less definite in H and V) at 27d 3h 46m initiated another disturbance in which movements were very irregular with no outstanding maxima or minima. A large sunspot in solar lat. + 20° passed the central meridian on 26·4d*. Activity diminished on 29th but continued for the remainder of the month.

* "The Observatory" February 1936.

NOVEMBER.- (Average Character Figure 0·47)

Apart from minor activity on the nights 2-3d and 3-4d with slightly more from 5d 2h to 6d 14h, conditions were quiet until late on 11th. The 12th, 13th and 14th were continuously disturbed but, except for a fall in D through 23' between 22h 30m and 23h 50m on the 12th, there was no noteworthy movement. Ranges for this period were 137γ in H, 38·1' in D, 112γ in V.

There were large sunspots in solar lat. -30° and +21° whose times of central meridian passage were 9·5d and 13·2d respectively.*

From 15d 9h conditions were quiet until the evening of 18th when dips of D through 11' and 15' were recorded between 17h and 18h and 23h and 24h respectively, associated with only very slight fluctuations in H and V. Similar dips occurred on 19th and 20th, after which conditions were again quiet until 27d 14h.

After small oscillations V rose rapidly to a maximum just before 20h, simultaneously with minima of H and D. Activity ceased almost immediately but was renewed slightly from 29d 20h to the end of the month.

DECEMBER.- (Average Character Figure 0·74)

The largest sunspot recorded for over seven years passed the central meridian at 2·1d, and another large one on 12·5d,* but except for some slight disturbance on the first 3 days magnetic conditions were mainly quiet till after noon on 14th. V rose rapidly to a maximum at 18h 37m, D fell 17' to a minimum at 22h 40m and H increased rapidly by 113γ in 38 minutes to its maximum a little later. From 16d 24h conditions were quieter, especially from 21st to 23rd, ranges on the latter day being only 22γ in H, 3·4' in D and 6γ in V.

A small 'sudden commencement' type of oscillation at 24d 19h 34m initiated a disturbance in which movements were very irregular but never of large range. Activity decreased on 28th but persisted in a minor way to the end of the year.

*"The Observatory" February 1936

167. ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres

JANUARY, 1935

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 (Station Level)	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	987·2	987·2	987·3	987·1	987·2	987·4	986·9	986·8	986·7	986·3	986·6	986·7	987·4	988·1	989·0	989·6	990·9	991·5	992·0	992·4	992·8	993·3	993·6	988·6
2	993·7	994·0	994·6	994·9	994·7	994·2	996·0	996·6	997·3	998·1	998·2	999·6	999·8	000·3	000·4	000·8	001·1	001·5	002·3	002·6	003·0	003·3	003·5	003·5	998·7
3	003·1	003·0	003·2	003·1	002·9	002·5	002·5	002·5	002·5	002·0	001·5	000·1	999·2	998·2	997·5	996·8	995·3	994·8	994·7	994·2	994·1	994·1	994·5	993·5	999·2
4	993·6	993·2	992·7	992·8	993·1	993·3	993·4	993·3	993·7	994·7	994·8	994·7	994·1	993·7	994·1	994·1	994·5	995·1	995·5	995·5	995·2	995·1	994·5	994·8	994·1
5	994·2	994·1	993·9	993·3	992·9	992·8	992·1	991·8	991·4	991·5	991·1	990·6	990·0	989·5	988·9	988·9	988·6	988·1	988·0	987·4	987·5	987·8	987·6	987·7	990·6
6	987·9	987·9	988·0	988·0	988·4	988·3	988·7	988·9	989·5	989·8	990·0	990·0	989·9	989·9	989·8	989·6	989·8	989·8	989·9	989·9	990·1	990·3	990·7	990·9	989·3
7	991·3	991·6	992·0	992·1	992·3	992·5	992·9	992·9	992·8	993·3	993·5	993·2	993·5	993·6	994·0	994·4	994·7	995·2	995·2	995·7	995·9	996·2	996·2	996·2	993·7
8	996·1	996·1	996·3	996·2	996·0	995·9	995·9	995·7	996·0	996·2	996·4	996·1	995·7	995·6	995·6	995·7	995·7	995·9	996·1	996·2	996·3	996·5	996·6	996·6	996·1
9	996·3	996·4	996·4	996·3	996·0	996·1	996·1	996·3	996·8	996·6	996·6	996·4	996·1	996·1	996·0	995·7	995·8	995·6	995·8	995·7	995·8	995·8	995·4	995·1	996·1
10	994·8	994·5	994·4	993·9	993·4	993·3	993·4	993·4	993·5	993·2	993·9	993·5	993·2	992·9	992·5	992·5	992·5	992·4	992·1	991·7	991·3	990·9	990·6	989·6	992·9
11	988·3	987·3	985·9	984·7	983·1	981·1	980·1	978·7	976·4	974·3	973·3	971·7	970·9	970·9	971·4	971·6	971·6	971·9	972·2	972·7	972·7	973·2	973·6	973·4	976·6
12	972·8	972·8	972·5	972·4	973·2	974·1	974·7	975·4	977·0	977·9	978·4	979·4	980·1	981·4	981·5	982·1	982·9	983·2	983·2	983·4	983·4	983·2	982·9	983·3	978·6
13	983·2	983·1	983·4	983·8	984·0	983·7	983·8	983·7	983·0	983·0	983·4	982·3	981·2	980·4	979·7	979·4	979·3	979·0	979·0	978·8	979·0	979·3	979·8	979·9	981·5
14	980·6	981·1	981·5	981·9	982·5	983·1	983·7	984·9	986·0	986·8	987·6	988·0	988·8	989·3	990·0	991·3	992·3	993·5	993·9	994·4	995·0	995·1	995·7	996·1	988·1
15	996·7	997·9	998·5	998·8	999·0	999·2	999·6	000·6	001·3	002·0	002·4	002·6	002·3	002·3	002·5	003·0	003·7	004·0	004·2	004·4	004·3	004·4	004·6	004·4	001·6
16	004·2	004·2	004·2	004·1	003·8	003·6	003·4	003·8	003·8	004·0	004·6	005·2	005·3	005·4	005·4	006·2	006·7	007·4	007·4	008·0	008·8	009·1	009·4	009·6	005·6
17	009·8	010·2	010·4	010·3	010·8	010·6	010·5	010·8	011·1	011·7	012·0	012·0	011·8	011·6	011·5	011·7	011·9	012·0	012·0	012·1	012·1	012·2	012·4	012·6	011·4
18	012·7	012·9	012·9	012·7	012·8	013·0	013·0	013·4	014·0	013·8	014·0	014·0	013·8	013·5	013·4	013·6	013·7	013·9	014·0	013·5	013·0	013·0	012·9	012·8	013·3
19	012·8	012·7	012·6	012·4	012·1	012·1	012·6	012·3	012·3	012·4	012·4	012·4	012·0	012·0	012·0	011·8	012·0	012·0	012·1	012·3	012·8	012·9	012·9	012·7	012·4
20	012·5	012·5	012·8	012·6	012·8	012·6	012·4	012·7	012·6	012·9	013·0	013·0	012·9	012·5	012·3	012·6	012·8	012·9	012·9	012·5	012·5	012·6	012·6	012·5	012·7
21	012·5	012·3	012·4	012·2	011·8	011·1	011·5	011·4	012·0	012·0	012·2	012·0	011·3	010·8	010·2	010·2	010·1	010·3	010·4	010·3	010·2	010·2	010·0	009·6	011·2
22	009·4	009·0	009·1	009·0	008·7	008·5	008·6	008·6	008·2	008·2	008·1	007·8	007·1	006·4	006·3	005·6	005·0	004·9	004·7	004·7	004·7	005·1	004·4	003·6	007·0
23	003·3	002·9	002·5	001·7	001·2	000·7	000·4	000·5	999·9	000·1	000·6	000·4	000·3	999·7	999·2	999·3	999·4	999·8	000·0	000·8	000·2	000·2	999·6	999·4	000·6
24	998·6	998·6	997·6	996·1	995·2	994·5	993·4	992·2	991·4	990·6	989·2	987·5	985·9	985·7	984·1	981·6	981·1	978·8	975·6	973·4	972·7	970·9	969·2	967·3	986·1
25	965·2	963·8	962·8	960·6	959·8	959·3	957·8	956·4	955·3	954·5	953·7	953·1	952·2	951·3	949·9	949·3	949·0	949·5	950·9	952·3	952·3	953·5	953·9	956·6	955·3
26	960·0	962·2	964·2	965·4	967·9	969·4	971·6	973·3	974·8	975·7	976·8	977·6	979·3	981·2	982·7	983·3	984·3	985·3	986·3	986·8	987·8	988·2	988·8	989·2	976·9
27	990·0	989·9	990·2	990·7	991·7	992·1	992·4	993·2	994·2	995·0	995·4	995·4	995·6	996·4	996·9	997·2	997·9	998·2	998·1	998·3	998·4	998·5	998·7	999·0	994·9
28	998·9	998·7	998·7	998·1	998·1	997·7	997·8	997·7	997·7	997·6	997·5	997·1	996·6	996·5	996·0	995·8	995·9	995·9	995·6	995·4	995·5	995·4	995·5	995·7	997·0
29	995·7	996·1	996·3	996·2	996·4	996·7	997·0	997·1	997·5	997·9	997·8	997·7	997·7	997·3	997·3	997·0	997·0	996·9	996·7	996·6	996·2	995·5	995·2	994·7	996·7
30	993·9	993·3	992·8	992·1	991·6	990·8	990·6	990·3	989·8	989·2	988·6	987·8	986·8	986·0	985·9	986·4	986·3	986·7	987·0	987·2	987·2	987·3	987·5	987·4	989·0
31	987·4	987·4	987·4	987·1	986·4	986·1	985·9	986·4	986·1	986·2	986·6	986·4	985·9	985·5	985·1	985·0	984·7	985·2	984·8	985·4	985·6	985·6	985·2	984·8	986·0
Mean (Station Level)	994 ·39	994 ·42	994 ·43	994 ·22	994 ·18	994 ·07	994 ·17	994 ·25	994 ·35	994 ·45	994 ·51	994 ·33	994 ·07	993 ·98	993 ·88	993 ·92	994 ·04	994 ·21	994 ·26	994 ·33	994 ·39	994 ·46	994 ·44	994 ·39	994 ·26
Mean (Sea Level)	1023 ·92	1023 ·93	1023 ·95	1023 ·75	1023 ·70	1023 ·60	1023 ·70	1023 ·79	1023 ·88	1023 ·95	1023 ·96	1023 ·73	1023 ·43	1023 ·31	1023 ·23	1023 ·32	1023 ·49	1023 ·69	1023 ·76	1023 ·85	1023 ·92	1023 ·98	1023 ·96	1023 ·91	1023 ·74

168. ESKDALEMUIR: H_b = 237·3 metres

FEBRUARY, 1935

Day (Station Level)	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	984·1	983·6	982·6	981·9	981·4	979·7	978·6	978·0	977·3	976·8	976·5	975·5	975·3	974·3	974·1	973·4	972·9	972·6	972·2	971·9	971·6	971·4	971·4	970·7	976·5
2	969·9	969·7	969·3	969·7	969·6	969·7	970·2	971·0	973·2	973·2	973·8	974·5	975·2	975·6	976·8	977·8	978·5	979·3	980·7	981·4	982·7	983·6	985·1	986·4	975·3
3	985·8	986·2	985·8	985·2	984·5	983·6	982·3	981·5	980·5	979·9	978·7	977·6	976·9	976·8	976·9	977·2	977·8	978·1	978·4	978·6	978·8	978·6	978·4	978·4	980·4
4	978·2	978·3	979·0	979·2	980·2	980·6	981·1	981·8	982·6	982·8	983·2	983·1	982·7	982·5	982·2	981·8	981·6	981·6	981·6	981·5	981·3	980·9	980·7	980·5	981·2
5	980·3	980·0	979·6	979·3	978·9	978·9	978·4	978·3	978·0	977·6	977·3	976·6	975·7	975·1	974·1	973·5	972·5	972·7	972·4	972·1	972·1	972·6	973·4	975·2	976·1
6	976·3	977·5	979·2	981·4	983·3	985·1	986·9	988·9	990·6	992·0	993·2	994·0	994·7	995·3	996·0	996·8	997·5	998·4	999·1	999·4	999·6	000·0	000·1	000·2	991·4
7	000·8	000·9	000·9	001·0	001·1	000·9	001·1	001·4	001·7	001·6	001·4	001·2	000·6	000·6	000·3	000·6	000·3	000·5	001·0	000·8	000·3	000·1	000·3	000·7	000·8
8	000·7	000·5	000·3	000·2	000·2	000·1	000·1	000·3	000·3	000·2	000·0	999·9	999·7	999·5	998·9	998·8	998·8	999·0	998·5	998·5	998·1	997·8	997·7	997·5	999·5
9	997·5	997·4	997·1	996·7	996·7	996·4	996·5	996·5	996·4	996·3	996·0	995·5	995·2	994·9	994·5	994·3	994·3	994·1	993·8	994·0	993·5	993·4	993·4	993·8	995·4
10	993·6	993·2	993·1	992·8	992·9	992·9	992·9	992·8	992·9	992·9	993·0	992·6	992·4	992·1	991·7	991·2	991·0	991·0	990·9	990·4	989·7	989·9	989·9	989·6	992·0
11	989·3	988·8	988·7	988·4	988·3	988·5	988·7	989·3	989·3	989·2	988·5	988·0	987·3	986·9	986·2	985·1	984·2	983·3	982·5	981·5	980·1	979·3	978·3	977·2	986·0
12	976·3	974·9	973·5	972·6	972·0	971·8	971·8	973·0	974·6	974·9	975·6	975·8	976·2	976·6	976·9	977·2	977·4	977·6	977·6	977·4	976·7	975·9	975·0	973·6	975·3
13	972·5	971·1	969·1	967·7	967·0	966·6	966·1	966·0	965·9	965·9	965·7	965·4	965·7	965·6	965·8	965·2	965·1	964·7	964·4	963·8	963·7	963·1	963·3	963·0	966·2
14	963·6	964·0	964·2	964·4	964·9	965·0	965·1	966·2	967·1	968·3	969·8	970·9	972·1	973·5	974·9	976·5	977·6	978·4	979·0	979·2	979·4	979·8	979·5	979·8	971·5
15	979·9	979·9	979·5	978·6	977·7	977·2	976·3	975·2	974·0	972·6	971·2	969·6	967·8	965·8	965·0	963·7	963·0	962·8	963·8	963·6	964·2	965·7	966·8	966·9	970·7
16	966·8	965·4	964·1	962·7	961·8	961·2	960·7	960·6	959·6	958·8	957·8	956·5	956·1	955·2	955·2	954·8	955·4	956·7	958·5	962·1	965·1	968·9	971·3	973·3	961·1
17	975·3	977·1	978·5	979·4	980·0	981·1	982·4	983·0	983·4	983·7	983·9	984·1	984·3	984·4	984·4	984·3	984·6	984·6	984·7	984·3	984·3	984·1	983·4	983·1	982·4
18	982·7	981·1	980·4	980·0	980·7	981·6	981·9	981·4	981·0	980·3	979·6	978·8	978·1	977·2	976·4	975·7	974·8	974·5	974·1	973·8	973·3	973·0	972·5	971·5	977·9
19	970·9	970·5	969·6	969·3	969·1	968·6	968·4	968·3	968·5	969·0	969·5	970·7	971·1	971·8	972·1	971·8	972·1	972·8	972·2	971·2	969·9	969·4	968·1	966·8	970·2
20	966·0	964·0	962·9	961·5	960·3	959·3	958·1	956·7	955·9	954·7	953·6	952·9	952·3	952·0	952·0	952·2	952·0	951·9	951·7	951·8	951·7	951·7	951·4	951·2	955·7
21	950·6	950·1	949·5	949·2	949·2	949·1	949·3	949·4	949·6	949·8	949·6	949·1	949·2	949·8	950·5	950·9	951·3	951·7	951·9	952·4	952·0	951·8	951·6	951·5	950·4
22	951·1	950·8	950·2	949·5	949·0	948·4	947·9	948·1	947·9	947·4	946·8	946·5	945·6	945·3	945·4	945·4	945·0	944·8	944·9	944·7	944·8	944·8	944·8	944·6	947·0
23	944·7	944·9	945·3	946·3	947·4	948·8	949·8	951·3	952·2	953·2	954·2	954·7	955·0	955·3	955·8	956·3	956·7	957·1	958·0	958·3	958·5	958·8	958·9	958·9	953·1
24	958·9	958·6	958·4	957·9	957·8	957·7	957·7	957·3	957·4	957·1	956·6	956·4	955·3	954·8	954·3	953·4	953·0	952·0	951·0	949·8	948·4	947·5	946·3	945·5	954·6
25	944·8	944·5	944·3	944·7	945·3	946·0	947·0	948·0	949·1	950·6	951·9	952·8	954·3	955·2	956·5	958·0	959·2	960·7	962·2	963·1	964·5	965·8	967·0	967·7	953·8
26	968·5	969·4	970·2	970·8	971·7	971·8	972·2	972·8	973·5	973·7	973·9	973·9	973·5	973·4	973·7	973·8	973·2	973·2	972·9	972·1	971·2	970·0	969·2	968·3	971·9
27	967·9	966·0	964·7	963·0	961·6	960·6	960·4	960·2	959·3	958·1	957·9	957·5	956·6	956·2	955·9	955·4	955·4	955·4	955·2	954·8	954·7	954·5	954·4	954·3	958·6
28	954·1	954·1	953·6	953·6	953·3	953·0	953·1	953·3	953·4	953·5	953·4	953·4	953·5	953·6	953·7	953·9	954·1	954·9	955·5	956·4	956·9	957·7	958·3	959·1	954·5
Mean (Station Level)	973 ·25	972 ·95	972 ·63	972 ·39	972 ·35	972 ·29	972 ·32	972 ·52	972 ·65	972 ·65	972 ·59	972 ·41	972 ·23	972 ·11	972 ·15	972 ·11	972 ·12	972 ·30	972 ·45	972 ·46	972 ·40	972 ·50	972 ·52	972 ·47	972 ·47
Mean (Sea Level)	1002 ·14	1001 ·83	1001 ·50	1001 ·26	1001 ·23	1001 ·17	1001 ·21	1001 ·41	1001 ·50	1001 ·43	1001 ·33	1001 ·09	1000 ·88	1000 ·75	1000 ·79	1000 ·77	1000 ·85	1001 ·08	1001 ·28	1001 ·34	1001 ·28	1001 ·39	1001 ·40	1001 ·35	1001 ·28
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, 1935

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 (Station Level)	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	959·7	960·4	960·9	961·3	961·9	962·5	963·0	963·2	963·2	963·1	962·9	962·7	961·9	961·7	961·6	962·0	962·5	963·2	963·9	964·9	966·2	967·3	968·3	969·4	963·0
2	970·4	971·7	972·8	973·8	974·7	975·8	976·9	978·1	979·1	979·8	980·8	981·3	981·8	982·0	982·5	982·8	983·1	983·9	984·5	984·8	984·9	984·9	985·0	984·7	979·7
3	984·9	984·9	984·6	984·7	984·3	984·3	983·9	984·1	984·2	984·1	984·2	984·4	984·2	984·1	984·1	983·9	984·0	984·2	985·6	987·1	988·2	989·2	989·7	990·3	985·2
4	991·1	991·3	991·7	992·6	992·9	993·4	994·0	994·5	995·1	995·0	995·1	995·2	995·0	994·9	995·1	994·7	994·5	994·6	994·3	994·3	993·5	992·7	991·9	991·5	993·7
5	991·4	991·7	991·7	991·7	992·0	992·2	992·6	992·7	992·6	992·9	993·2	993·7	993·7	994·0	993·8	994·7	995·0	995·7	996·6	997·6	997·8	997·8	997·9	998·2	994·1
6	998·2	998·2	998·3	998·4	998·9	998·9	999·4	000·0	000·4	000·6	001·1	001·3	001·2	001·2	001·3	001·5	002·1	002·7	003·2	003·5	004·0	004·3	004·6	004·8	001·0
7	005·1	005·3	005·3	005·3	005·4	005·6	005·9	006·3	006·7	006·9	007·0	007·0	006·9	006·8	006·9	007·1	007·3	007·9	008·3	008·7	008·9	009·1	009·3	009·4	006·9
8	009·5	009·5	009·3	009·4	009·5	009·5	009·8	010·5	010·8	011·0	010·9	010·5	010·4	010·2	010·2	010·3	010·6	011·0	011·4	011·8	012·0	012·3	012·4	012·7	010·6
9	012·8	012·7	012·6	012·9	012·9	013·0	013·1	013·3	013·4	013·2	013·1	012·8	012·4	011·5	010·6	010·0	009·2	008·6	008·7	008·7	008·3	008·2	007·8	007·2	011·2
10	006·8	006·5	006·1	005·6	005·5	004·8	004·8	005·3	005·5	005·3	005·1	004·7	004·1	003·8	003·7	003·5	003·8	004·4	004·3	004·5	005·3	005·2	005·1	005·0	005·0
11	005·4	005·6	005·2	005·1	005·6	006·2	006·2	006·2	006·9	007·8	007·9	007·7	007·5	007·4	007·8	008·2	008·7	009·4	009·6	010·5	010·8	011·1	011·2	011·5	007·8
12	011·9	011·8	011·3	011·4	011·5	011·4	011·7	011·8	011·7	011·5	011·1	010·4	009·9	009·3	008·7	008·3	008·3	008·3	008·4	008·4	008·4	007·9	007·3	006·7	010·0
13	006·2	005·7	005·2	004·6	004·5	003·9	003·7	003·4	003·0	002·6	002·0	001·5	001·0	000·0	999·3	998·9	998·8	998·9	999·1	999·1	998·7	998·5	998·5	998·2	001·6
14	997·9	997·6	997·1	996·7	996·3	996·1	995·5	995·5	995·1	994·9	994·2	993·4	992·7	992·1	991·3	990·4	990·2	990·1	989·9	989·5	989·1	988·6	988·1	987·6	993·1
15	987·1	986·4	985·6	984·8	984·7	984·1	983·8	983·3	983·1	982·6	982·3	981·8	981·2	980·6	979·8	979·3	979·7	978·5	978·4	978·2	977·8	977·4	976·9	976·3	981·6
16	975·8	975·3	974·6	974·4	974·0	973·9	973·8	973·6	973·6	973·3	973·1	972·3	971·6	971·1	970·7	970·5	970·6	970·7	971·1	971·1	971·3	971·3	971·5	971·6	972·6
17	971·8	971·9	972·0	972·3	973·2	973·9	974·6	975·5	976·3	977·0	977·8	978·3	978·8	979·1	979·3	979·9	980·5	981·4	982·3	982·7	983·0	983·5	984·2	984·4	977·8
18	984·7	984·7	984·9	985·0	985·2	985·5	985·8	986·1	986·4	986·5	986·6	986·5	986·5	986·5	986·2	986·2	986·1	986·2	986·2	986·3	986·2	986·1	985·7	985·3	985·9
19	985·0	984·7	984·8	984·8	984·8	985·0	985·4	985·7	985·9	986·1	985·9	985·5	985·0	984·3	983·7	983·5	983·4	983·2	983·3	983·3	982·9	982·7	982·7	982·1	984·4
20	981·6	980·8	980·7	979·9	979·5	979·5	980·4	980·7	981·0	981·7	982·1	982·3	982·8	982·6	982·9	983·6	983·9	984·4	985·1	985·6	986·2	986·4	986·4	986·2	982·7
21	986·3	986·3	986·0	985·8	985·8	985·8	985·8	985·8	985·8	985·8	985·4	985·3	984·6	983·8	983·4	982·9	982·6	982·5	982·2	982·2	981·7	981·1	980·6	980·1	984·2
22	979·4	978·5	977·9	977·5	977·2	976·7	976·6	976·2	976·0	975·6	975·2	974·6	974·0	972·9	972·1	971·6	971·1	970·9	971·0	970·9	970·4	970·6	970·1	969·7	974·2
23	969·9	969·5	969·3	969·6	970·3	970·9	971·5	971·9	972·3	972·6	972·4	972·5	972·4	972·0	972·3	972·5	973·0	974·2	974·9	975·6	976·2	976·5	977·3	977·3	972·6
24	977·8	979·3	980·9	982·4	983·5	984·7	985·9	987·6	988·4	989·3	989·7	990·3	991·1	991·3	991·4	991·6	991·9	992·2	992·2	992·2	991·3	990·8	990·6	990·6	987·9
25	990·0	989·6	989·5	989·5	989·6	989·3	989·4	989·4	989·1	988·6	987·8	988·2	987·8	987·4	987·3	987·4	988·2	988·6	988·8	989·2	989·1	989·1	989·1	989·1	988·8
26	989·4	989·7	989·7	989·4	989·4	989·5	989·8	989·9	990·1	991·2	991·5	991·8	992·0	991·8	991·4	991·5	991·4	991·9	992·2	992·2	991·9	991·7	992·5	992·8	990·9
27	993·3	993·7	993·4	993·9	994·9	995·3	995·8	996·2	997·4	997·7	997·5	998·0	998·2	998·3	998·6	998·6	998·9	999·2	999·7	000·1	000·3	000·6	000·7	000·6	997·4
28	000·5	000·3	000·1	000·1	999·8	000·1	000·1	000·1	999·9	999·7	999·5	999·4	999·0	998·5	998·1	996·7	996·7	997·1	997·4	997·1	996·9	996·9	996·3	996·1	998·7
29	996·0	995·9	996·1	996·4	996·7	997·1	997·6	998·6	999·3	000·2	000·8	001·1	001·3	001·4	001·3	001·3	001·3	001·3	001·1	000·9	000·4	000·3	999·6	998·8	999·3
30	998·5	997·8	996·9	995·9	995·2	995·2	995·1	994·2	993·7	993·7	993·6	993·3	992·7	992·1	991·3	991·0	991·0	990·9	990·6	990·3	989·8	989·2	988·7	987·9	993·1
31	987·5	986·9	986·5	985·6	985·5	984·8	984·4	984·2	983·7	983·3	982·4	982·3	982·1	981·9	982·2	982·7	982·8	983·5	983·7	983·7	984·4	984·1	984·1	983·8	984·1
Mean (Station Level)	990·51	990·46	990·35	990·35	990·49	990·61	990·85	991·09	991·60	991·41	991·36	991·29	991·09	990·79	990·61	990·55	990·68	990·95	991·23	991·45	991·48	991·47	991·42	991·29	990·96
Mean (Sea Level)	1019·83	1019·78	1019·68	1019·69	1019·83	1019·97	1020·20	1020·39	1020·81	1020·52	1020·39	1020·27	1020·02	1019·71	1019·51	1019·51	1019·70	1020·09	1020·45	1020·72	1020·77	1020·77	1020·74	1020·62	1020·15

170. ESKDALEMUIR: H_b = 237·3 metres — APRIL, 1935

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 (Station Level)	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	983·0	982·5	981·9	980·9	980·4	980·6	981·0	981·0	980·6	980·5	981·3	981·7	981·5	981·7	982·5	982·5	982·9	983·8	985·0	985·9	986·7	987·1	987·2	987·4	982·8
2	987·8	988·2	988·5	988·8	988·8	989·3	989·4	989·6	989·6	990·2	990·6	990·6	990·2	989·9	989·5	989·6	989·6	989·8	990·2	990·3	990·2	990·0	990·3	990·2	989·6
3	990·6	990·3	989·9	990·2	990·5	991·1	991·6	991·6	991·8	991·5	991·4	991·4	990·7	990·3	989·7	989·0	988·8	988·3	987·4	985·7	985·3	984·4	983·4	982·0	989·2
4	981·2	980·1	979·2	978·4	978·3	979·1	978·5	978·1	977·6	977·3	976·8	976·3	976·1	975·6	975·1	974·9	975·1	975·2	975·4	975·4	975·1	975·2	974·7	974·3	977·0
5	974·6	974·5	974·1	973·7	973·3	973·0	972·3	971·5	971·3	971·1	971·0	970·7	970·3	970·3	970·3	970·2	969·7	969·8	970·5	970·7	971·0	971·4	970·9	971·4	971·6
6	971·8	972·1	972·6	972·6	972·7	973·2	973·9	974·5	974·7	975·6	976·6	976·8	977·3	977·5	977·6	977·6	977·3	977·3	977·5	977·7	977·6	977·4	976·8	976·3	975·5
7	975·9	975·3	974·8	974·2	973·8	973·6	973·5	973·5	973·2	972·8	972·6	971·7	971·2	970·6	969·9	969·3	968·5	968·1	967·6	967·3	967·0	966·6	966·3	966·3	971·2
8	966·1	966·0	965·7	965·9	966·1	966·7	967·3	968·0	968·7	969·4	970·0	970·4	970·9	971·3	971·5	971·6	971·7	971·9	972·1	971·9	971·3	970·9	970·1	969·3	969·3
9	967·7	966·2	964·9	963·8	962·8	961·8	961·6	961·3	961·0	961·7	962·1	962·4	963·2	964·0	964·5	965·5	966·1	965·8	965·3	965·3	964·8	963·7	963·1	961·1	963·9
10	959·0	957·1	955·4	953·7	951·7	951·7	952·1	951·5	951·0	951·2	951·0	951·1	951·2	951·9	953·2	953·8	954·6	955·2	955·3	955·6	955·6	955·2	953·5	953·2	953·7
11	954·6	956·6	957·7	959·0	959·8	961·7	962·2	962·8	963·8	964·8	965·3	965·9	966·6	966·7	967·2	967·7	969·3	970·5	971·8	972·8	973·4	974·2	975·4	976·2	965·6
12	976·4	976·1	976·8	977·4	977·3	977·6	977·6	978·0	978·4	979·0	979·2	979·4	979·6	980·0	980·1	980·1	980·6	981·3	982·4	983·5	984·0	984·2	984·7	985·2	979·8
13	985·3	985·3	985·3	985·3	985·4	985·3	985·3	985·2	984·9	984·9	984·5	983·8	983·3	982·7	982·2	981·8	981·3	980·2	979·8	979·6	979·2	978·5	977·9	977·4	982·7
14	976·7	976·2	975·7	975·2	974·8	974·8	974·9	975·0	975·1	975·3	975·5	976·0	976·6	976·6	977·2	977·5	977·9	978·6	979·1	979·6	980·1	980·3	980·5	980·7	977·0
15	980·8	980·8	980·6	980·6	980·4	980·8	980·6	980·4	980·3	980·0	979·4	979·1	978·7	978·1	977·6	977·3	976·6	976·2	975·9	975·4	974·7	974·3	973·4	972·3	978·3
16	971·3	970·2	969·1	967·8	966·7	965·8	964·7	963·6	962·4	961·3	960·4	959·5	958·8	958·0	957·2	956·8	956·5	956·1	955·9	955·6	955·2	954·8	954·6	954·5	961·1
17	954·2	953·9	953·6	953·7	953·8	953·6	953·9	954·1	954·7	955·3	955·2	955·9	956·4	956·7	957·2	957·5	957·8	958·3	959·4	960·4	961·0	961·7	962·7	963·4	956·7
18	964·3	965·1	965·7	966·7	967·4	968·3	968·9	969·4	970·0	970·8	971·2	971·5	971·8	971·8	971·7	971·7	972·1	972·3	972·6	972·8	973·1	973·2	973·1	972·9	970·2
19	972·6	973·1	973·1	973·2	973·6	974·1	974·6	975·0	975·4	975·7	975·9	976·3	976·5	976·5	976·4	976·7	976·8	977·3	977·5	978·0	978·1	978·1	977·9	977·8	975·7
20	977·3	977·1	976·7	976·3	976·2	976·2	976·2	976·0	976·0	976·1	975·9	975·3	975·4	974·2	973·3	973·2	972·8	972·8	972·7	972·3	972·0	971·4	971·0	970·7	974·6
21	970·3	969·8	969·6	969·5	969·4	969·6	969·7	969·7	969·7	969·6	969·7	969·8	969·8	969·7	969·2	969·0	969·4	969·7	970·4	971·2	971·4	971·6	972·0	972·2	970·1
22	972·5	973·0	973·4	973·7	973·3	974·8	975·2	975·8	976·0	976·4	976·5	976·8	976·9	977·1	977·4	978·2	978·5	979·3	979·7	980·1	980·4	980·8	981·4	981·6	976·9
23	981·7	982·0	982·2	982·6	983·2	984·0	984·9	985·4	986·1	986·6	987·1	987·6	988·3	988·7	989·2	989·6	990·4	991·2	991·7	992·7	993·2	993·5	993·9	994·2	987·7
24	994·5	995·0	994·9	994·8	994·8	995·2	995·5	995·4	995·3	995·0	994·8	994·5	994·4	994·2	994·1	994·1	994·3	994·4	994·9	995·5	995·5	995·5	995·5	995·6	994·9
25	995·5	995·5	995·4	995·2	995·3	995·2	995·4	995·4	995·5	995·5	995·7	995·8	995·8	995·7	995·8	995·7	995·8	996·2	996·3	997·0	997·4	997·4	997·9	997·9	996·0
26	997·7	997·6	997·4	996·9	996·7	996·8	997·0	997·0	996·8	996·7	996·6	996·7	996·6	996·5	996·3	996·5	996·6	996·4	996·5	996·7	996·8	997·1	997·4	997·2	996·9
27	997·6	997·5	997·4	997·3	997·4	997·4	997·3	997·4	997·5	997·8	998·1	998·1	998·0	997·8	997·4	997·2	997·0	997·3	997·9	998·4	998·7	998·8	998·5	998·5	997·7
28	998·5	998·7	998·6	998·6	998·6	998·6	998·7	998·8	998·9	998·9	998·8	998·7	998·6	998·4	998·1	998·2	997·8	997·8	997·8	998·2	998·5	998·6	998·6	998·5	998·5
29	998·4	998·2	998·0	997·7	997·7	997·8	997·8	997·9	997·8	997·5	997·1	996·8	996·5	996·1	995·7	995·3	995·3	995·3	995·2	995·2	995·3	995·1	995·0	994·8	996·6
30	994·3	993·9	993·8	993·5	993·3	993·3	993·1	993·1	992·8	992·7	992·3	992·0	992·2	992·2	991·9	991·9	992·1	992·1	992·4	992·7	993·2	993·4	993·6	993·7	992·9
Mean (Station Level)	979·08	978·93	978·73	978·57	978·48	978·70	978·82	978·87	978·90	979·04	979·09	979·09	979·11	979·03	978·97	979·00	979·11	979·28	979·54	979·78	979·86	979·81	979·71	979·56	979·12
Mean (Sea Level)	1008·10	1007·94	1007·74	1007·59	1007·49	1007·70	1007·75	1007·69	1007·63	1007·68	1007·67	1007·62	1007·65	1007·51	1007·46	1007·51	1007·68	1007·93	1008·31	1008·62	1008·75	1008·75	1008·67	1008·56	1007·91
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.

171. ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres MAY, 1935

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 (Station Level)	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	993·5	993·5	993·4	993·4	993·6	993·7	993·8	994·1	994·2	994·2	994·0	993·7	993·5	993·0	992·6	992·4	992·2	992·2	992·3	992·5	992·6	992·6	992·5	992·4	993·2
2	992·1	991·9	991·7	991·5	991·3	991·2	991·4	991·2	991·0	990·8	990·8	990·6	990·4	990·3	989·5	989·2	988·6	988·7	988·7	988·7	988·8	988·6	985·5	988·4	990·2
3	988·3	988·0	987·6	987·6	987·5	987·7	987·6	987·6	987·2	986·9	986·8	986·5	986·1	985·8	985·5	985·2	985·0	984·9	985·3	985·7	985·9	986·2	986·3	986·5	986·6
4	986·6	986·6	986·6	986·5	986·7	986·8	987·2	987·4	987·6	987·7	987·5	987·2	987·2	987·1	987·1	987·2	987·4	988·0	988·5	988·9	989·3	989·5	989·5	989·7	987·6
5	989·7	989·5	989·8	989·8	989·9	990·2	990·4	990·7	991·0	991·2	991·2	991·2	991·4	991·6	991·7	991·9	992·3	992·7	993·1	994·1	994·8	995·2	995·6	996·0	991·7
6	996·4	996·7	997·0	997·1	997·2	998·0	998·6	999·3	999·2	999·3	999·3	999·5	999·5	999·5	999·5	999·6	000·1	000·1	000·2	000·5	000·7	001·1	001·2	001·3	999·1
7	001·2	001·2	001·1	001·1	001·3	001·6	002·2	002·7	003·1	003·2	003·2	003·2	003·1	003·1	002·9	002·9	003·1	003·4	003·8	004·3	005·0	005·3	005·3	005·2	002·9
8	005·4	005·4	005·7	005·5	005·6	005·9	006·0	005·9	005·3	005·2	004·8	004·3	003·9	003·4	003·2	003·2	003·1	003·0	002·9	003·6	003·8	004·0	003·9	003·8	004·5
9	004·1	004·0	003·6	003·6	003·6	003·6	003·5	003·7	003·5	003·6	003·4	003·2	002·8	002·7	002·6	002·3	002·2	002·1	002·2	002·0	001·7	001·9	001·7	001·8	002·9
10	001·5	001·1	000·8	000·5	000·3	000·2	000·3	000·4	000·2	000·2	999·9	999·5	999·3	999·0	998·6	998·5	998·3	998·1	998·3	998·4	998·7	998·6	998·6	998·7	999·6
11	998·6	998·1	997·7	997·3	997·4	997·3	996·9	997·0	996·9	996·8	996·6	996·3	996·1	995·8	995·3	995·2	995·3	995·7	996·2	996·7	996·9	996·9	997·3	997·3	996·8
12	997·3	997·1	997·1	997·1	997·2	997·2	997·5	997·5	997·3	997·2	997·4	997·4	997·2	997·1	996·7	996·8	996·8	997·2	997·4	997·7	997·9	998·0	997·9	997·9	997·3
13	997·6	997·5	997·4	997·5	997·5	997·3	997·3	996·7	996·1	995·3	994·3	993·5	992·7	991·5	990·3	989·0	988·9	988·9	988·4	987·5	989·3	990·0	990·7	991·1	993·3
14	991·1	991·7	992·1	992·5	993·1	993·9	994·6	995·2	995·5	995·9	996·5	996·5	996·9	997·0	997·2	997·5	998·0	998·4	998·8	999·2	999·3	999·3	999·1	999·0	996·0
15	998·7	998·1	997·3	996·6	995·8	995·1	994·1	993·1	992·0	990·5	989·7	988·6	988·0	987·5	987·1	986·9	987·2	987·6	988·4	989·4	989·8	990·9	991·6	992·3	991·7
16	992 7	993·3	993·2	993·4	993·2	993·4	993·5	993·9	993·7	993·5	993·2	992·9	992·2	991·5	990·8	990·1	989·3	988·4	987·7	986·7	985·9	984·6	983·3	982·3	990·7
17	981·9	981·3	980·9	980·6	980·6	981·2	981·5	981·6	982·1	981·9	982·0	982·0	982·4	982·9	983·0	983·4	983·6	983·8	984·4	985·1	985·5	985·7	985·1	985·5	982·8
18	985·4	985·0	985·3	985·4	985·5	985·3	985·4	985·5	985·8	985·4	985·0	984·6	984·1	983·7	983·5	983·5	983·5	983·6	983·7	984·2	984·1	983·9	983·6	983·4	984·6
19	983·0	982·6	982·2	982·0	981·8	981·5	981·3	981·2	981·3	981·1	981·2	981·2	981·1	981·1	981·1	981·2	981·5	982·1	982·6	983·5	984·5	984·8	984·8	985·0	982·2
20	985·1	985·4	985·8	986·2	986·9	987·5	988·2	989·0	989·4	989·6	989·6	990·1	990·5	991·2	991·4	991·6	992·1	992·3	992·9	993·8	994·6	995·4	995·8	996·2	990·2
21	996·6	996·5	996·6	996·8	997·2	997·7	998·1	998·3	998·5	998·4	998·4	998·3	998·0	998·2	997·9	997·8	997·8	997·9	998·2	998·8	999·1	999·4	999·2	999·2	998·0
22	999·2	999·1	999·1	999·0	999·0	999·1	999·0	998·9	998·7	998·5	998·3	998·1	998·1	997·9	997·5	997·4	997·1	997·1	996·8	997·0	997·0	997·2	997·1	996·9	998·1
23	996·9	996·7	996·4	996·1	996·1	996·5	996·4	996·1	996·1	996·1	996·2	996·2	996·2	996·1	995·9	995·7	995·3	995·6	996·0	996·3	996·6	996·6	996·8	996·7	996·2
24	996·8	996·9	996·8	997·0	997·0	996·9	997·0	997·1	997·3	997·1	996·9	996·8	996·6	997·0	997·0	996·8	996·8	996·9	997·2	997·5	998·0	997·8	998·0	997·8	997·1
25	998·0	998·0	998·0	998·0	997·8	997·8	998·1	998·1	998·1	997·7	997·8	997·7	997·1	997·1	997·2	997·3	997·2	997·0	997·0	997·2	997·4	997·1	997·1	997·1	997·6
26	996·9	997·1	997·0	997·0	996·9	997·0	997·0	997·0	996·8	996·7	996·3	996·2	996·2	995·9	995·3	995·5	995·2	994·8	994·9	995·4	995·7	995·7	995·8	995·9	996·2
27	995·8	995·7	995·3	995·1	995·1	995·2	995·1	995·0	994·9	994·8	994·1	993·9	993·6	993·2	992·9	992·6	992·5	992·8	992·9	993·4	993·8	994·2	994·3	994·5	994·2
28	994·2	994·2	994·2	993·9	993·7	993·9	993·9	993·7	993·9	993·5	993·1	993·0	992·6	992·6	992·3	992·2	992·1	992·0	992·1	992·3	992·8	992·9	993·2	993·0	993·2
29	992·5	992·3	991·9	991·7	991·5	991·4	991·3	991·2	991·1	990·6	989·9	989·5	988·9	988·5	988·2	988·0	987·8	987·5	987·9	988·2	988·6	988·7	988·5	988·5	989·9
30	988·1	987·7	987·6	987·2	987·1	987·2	987·2	987·3	987·3	987·3	987·4	987·1	987·0	986·7	986·1	986·0	985·9	986·1	986·2	986·5	987·1	987·5	987·7	987·7	987·1
31	987·7	987·7	987·5	987·7	987·6	987·7	987·7	987·7	987·7	987·8	987·5	987·3	987·0	986·9	986·9	987·0	987·0	986·9	987·0	987·2	987·6	987·8	988·0	987·8	987·4
Mean (Station Level)	993·97	993·87	993·77	993·70	993·71	993·84	993·94	994·00	993·96	993·81	993·62	993·42	993·22	993·06	992·80	992·71	992·68	992·77	992·97	993·30	993·64	993·79	993·81	993·83	993·51
Mean (Sea Level)	1023·33	1023·26	1023·17	1023·14	1023·13	1023·13	1023·07	1022·99	1022·79	1022·50	1022·21	1021·93	1021·67	1021·49	1021·19	1021·13	1021·17	1021·36	1021·73	1022·27	1022·78	1023·01	1023·08	1023·17	1022·44

172. ESKDALEMUIR: H_b = 237·3 metres JUNE, 1935

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 (Station Level)	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	987·6	987·5	987·2	987·0	987·0	987·0	987·0	986·8	986·5	985·8	985·3	984·9	984·4	984·2	983·7	983·4	983·2	983·2	983·2	983·3	983·6	983·5	983·1	982·9	985·2
2	982·3	981·7	981·2	980·7	980·8	980·6	980·2	979·9	979·5	978·9	978·4	977·9	977·5	977·2	976·8	976·5	976·3	976·5	976·3	976·2	976·4	976·2	976·2	975·9	978·5
3	975·5	975·4	975·2	975·0	975·0	975·0	975·1	975·2	975·3	975·1	974·7	974·8	974·7	974·9	975·0	975·0	975·3	975·4	975·8	976·0	976·5	976·6	976·6	976·6	975·4
4	976·5	976·5	976·2	976·0	976·0	975·9	976·1	975·9	975·7	975·5	974·9	974·5	974·2	974·2	974·0	973·7	973·3	973·0	973·0	972·9	972·8	972·6	972·5	972·4	974·6
5	972·1	971·9	971·5	971·3	971·4	971·4	971·3	971·4	971·2	971·2	970·9	970·6	970·5	970·5	971·4	971·7	971·7	971·8	971·8	972·3	972·8	973·2	973·2	973·3	971·7
6	973·4	973·8	973·9	973·9	974·2	974·4	974·7	974·9	974·9	974·9	974·8	974·3	974·3	974·1	973·5	973·0	971·8	971·1	970·1	969·4	969·3	969·1	968·9	968·3	972·8
7	968·1	967·6	967·1	966·6	966·1	965·7	965·2	964·7	964·6	964·2	963·3	962·5	962·0	962·2	961·4	960·9	960·9	961·1	961·7	962·7	963·5	964·1	964·5	964·5	964·1
8	966·6	966·7	966·8	967·6	968·6	969·6	970·2	971·0	971·1	972·1	973·5	975·1	976·8	978·4	979·4	980·3	981·4	982·4	983·4	984·4	985·1	985·8	986·8	987·4	975·8
9	987·7	988·0	988·3	988·5	988·6	988·6	988·5	988·4	988·2	988·0	988·0	987·9	987·8	987·6	987·4	986·8	986·5	986·1	986·0	985·7	985·5	985·4	985·2	984·8	987·3
10	984·1	983·5	982·8	982·4	982·0	981·1	980·8	980·5	979·9	979·3	978·4	977·8	977·2	976·5	976·0	975·6	974·8	974·4	973·6	973·3	973·3	973·1	972·5	972·3	978·0
11	972·3	971·6	971·1	970·6	970·4	970·1	970·0	969·5	969·5	969·1	968·1	967·2	967·3	966·6	965·5	964·8	965·0	965·2	965·5	966·0	966·6	967·3	968·0	968·7	968·2
12	969·5	970·3	970·7	971·4	971·9	972·2	972·1	972·6	973·1	973·4	973·5	973·9	974·2	974·6	974·9	975·1	975·4	976·0	976·1	976·2	976·4	976·4	976·3	976·1	973·7
13	975·8	975·6	975·4	975·1	975·1	975·2	975·6	976·1	976·2	976·4	977·2	977·5	978·0	978·5	978·8	979·1	979·6	979·6	980·0	980·3	980·6	980·4	980·3	979·9	977·7
14	979·4	979·0	978·5	978·3	978·2	978·2	977·8	977·5	977·6	977·4	976·9	976·6	976·4	976·2	976·1	975·8	975·6	975·6	975·4	975·6	975·7	975·6	975·5	975·5	976·9
15	975·5	975·2	975·1	974·9	974·8	974·8	975·0	975·0	975·0	975·0	975·0	975·2	975·2	974·8	974·6	974·6	974·5	974·3	974·5	974·8	975·4	975·5	975·5	975·2	975·0
16	974·7	974·5	974·3	974·2	974·3	974·3	974·5	974·4	974·2	973·9	973·8	973·9	974·1	974·1	974·1	974·0	974·0	974·5	975·1	975·3	975·6	975·9	976·0	976·2	974·6
17	976·6	976·7	976·9	977·6	978·3	978·9	979·6	980·1	980·6	981·3	981·5	981·6	981·8	981·8	982·3	982·3	982·3	982·6	982·6	982·6	982·8	982·8	982·9	982·4	980·7
18	982·2	981·8	981·3	981·2	981·3	981·4	981·6	981·5	981·6	982·1	982·6	983·3	984·0	984·7	985·0	985·6	986·2	987·0	987·6	988·3	988·9	989·3	989·5	989·9	984·3
19	990·2	990·1	990·1	990·1	990·2	990·2	990·3	990·4	990·4	990·2	989·3	989·0	988·4	987·8	987·8	987·6	987·1	986·5	986·1	985·6	985·3	984·6	984·1	983·8	988·3
20	983·4	983·0	982·2	982·1	981·6	981·5	981·2	981·0	980·6	980·6	980·4	980·4	980·2	980·4	980·6	980·4	981·0	981·4	982·0	982·4	982·7	983·0	982·6	983·0	981·6
21	983·0	982·7	982·5	981·7	981·6	981·6	981·6	981·9	982·0	982·2	982·7	983·3	984·1	985·1	985·5	985·8	986·1	986·9	987·2	987·9	988·3	988·6	988·8	988·8	984·5
22	988·7	988·4	988·1	987·9	987·9	987·9	988·3	988·6	988·4	988·4	988·4	988·3	988·1	987·8	987·9	988·1	988·3	988·6	989·3	990·0	990·6	990·9	991·3	991·4	988·8
23	991·7	991·6	991·6	991·6	991·7	992·1	992·3	992·2	992·1	992·1	992·1	992·3	992·3	992·4	992·1	991·7	991·9	991·9	992·1	992·5	992·7	993·0	992·4	992·6	992·1
24	991·9	991·8	991·5	991·5	991·6	991·9	992·0	992·0	992·0	991·8	991·3	990·8	990·4	990·1	990·0	989·6	989·0	988·9	989·1	989·2	989·8	990·0	989·8	989·6	990·7
25	989·2	988·8	988·4	988·4	988·3	988·3	988·2	988·2	988·2	987·7	987·4	987·1	986·7	986·4	986·0	985·4	985·0	984·7	984·9	985·0	985·0	984·9	985·0	984·2	986·8
26	983·5	982·8	982·9	982·6	982·5	982·4	982·4	982·4	982·3	982·2	982·2	982·2	982·4	982·9	982·7	982·4	982·1	982·2	982·5	982·6	982·9	982·9	982·9	982·8	982·6
27	982·6	982·4	982·1	982·3	982·3	982·7	983·1	983·3	983·9	984·1	984·5	985·1	985·2	985·8	986·1	986·6	987·4	988·2	988·7	989·2	990·2	990·5	991·0	991·4	985·6
28	991·4	991·4	991·7	992·5	993·1	993·5	994·4	995·0	995·6	996·8	997·1	998·0	998·1	998·2	998·2	998·4	999·0	999·4	999·9	000·1	000·6	000·9	000·9	001·3	996·7
29	000·8	000·3	999·9	999·6	999·1	998·9	998·8	998·5	998·3	998·1	997·4	997·0	996·2	995·6	995·4	995·2	994·4	994·0	993·8	993·7	993·9	993·9	993·6	993·3	996·8
30	993·2	992·9	992·4	992·3	992·1	992·3	992·6	992·9	993·1	993·4	993·6	994·2	994·2	993·7	993·1	992·8	992·6	992·4	992·5	992·6	992·6	992·6	992·4	992·3	992·9
Mean (Station Level)	981·65	981·45	981·23	981·16	981·20	981·26	981·35	981·39	981·39	981·37	981·24	981·24	981·22	981·24	981·18	981·07	981·06	981·16	981·33	981·54	981·85	981·95	981·94	981·92	981·39
Mean (Sea Level)	1010·07	1009·87	1009·65	1009·59	1009·59	1009·56	1009·57	1009·53	1009·44	1009·38	1009·17	1009·11	1009·09	1009·11	1009·07	1008·94	1008·95	1009·10	1009·34	1009·66	1009·08	1010·27	1010·29	1010·31	1009·53
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, 1935

Day (Station Level) / 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
1	991·8	991·2	990·8	990·6	990·3	990·2	990·2	990·0	989·7	989·6	989·3	988·8	988·4	987·8	987·7	987·6	987·2	987·1	987·0	986·6	986·4	986·1	985·8	985·7	988·7
2	985·4	985·2	984·6	984·4	984·4	984·5	984·5	984·5	984·8	984·8	984·9	984·8	984·9	985·2	985·4	985·9	986·4	986·8	987·4	987·8	988·3	989·0	989·3	989·5	985·9
3	990·0	990·4	990·5	991·2	991·8	992·4	992·6	992·9	992·7	992·7	992·8	992·5	992·1	992·1	991·6	991·3	990·9	990·1	989·7	989·0	988·1	987·7	987·1	986·6	990·8
4	986·1	986·0	985·8	985·2	985·4	985·8	986·5	986·6	987·3	988·4	988·9	988·8	989·0	989·1	989·2	988·9	988·3	988·6	988·6	988·5	988·3	988·1	987·7	987·0	987·6
5	986·6	986·5	986·0	985·2	985·8	985·8	985·9	985·7	985·8	986·2	986·9	987·1	987·3	987·6	987·8	987·8	987·9	988·9	989·5	989·3	989·6	990·9	991·0	991·3	987·5
6	991·4	991·6	991·4	990·9	991·4	991·5	991·9	992·5	992·4	992·9	992·9	993·2	993·3	993·3	993·3	993·3	993·4	993·7	993·9	993·9	994·3	994·6	995·0	995·0	992·9
7	995·0	994·9	995·3	995·4	995·6	995·9	996·1	996·4	996·4	996·4	996·3	996·3	996·1	996·2	996·2	996·0	995·7	995·7	995·6	995·6	996·0	995·9	995·8	996·0	995·8
8	995·9	995·7	995·4	995·4	995·4	995·4	995·4	995·3	994·8	994·5	994·1	993·8	993·6	993·0	992·5	992·2	992·0	991·6	991·4	991·3	991·4	991·3	991·3	991·1	993·6
9	990·9	990·6	990·3	990·3	990·3	990·3	990·3	989·9	989·5	989·4	989·3	989·1	988·8	988·8	988·3	988·0	988·0	988·1	988·2	988·1	988·2	988·2	988·2	988·1	989·2
10	987·9	987·7	987·5	987·3	987·1	987·3	987·7	987·4	987·6	987·7	988·0	988·4	988·7	989·1	989·4	990·0	990·4	990·9	991·4	992·0	992·7	993·3	993·8	994·1	989·3
11	994·6	994·8	995·3	995·5	995·8	996·0	996·4	996·5	996·5	996·7	996·8	996·8	996·8	996·8	996·6	996·5	996·4	996·4	996·4	996·6	997·0	997·1	997·2	997·1	996·3
12	997·0	996·7	996·4	996·2	996·1	996·0	996·0	995·9	995·6	995·5	995·1	994·9	994·4	993·9	993·5	993·3	992·7	992·6	992·8	993·1	993·2	993·3	993·3	993·3	994·7
13	992·9	992·7	992·4	992·5	992·5	992·6	993·1	992·9	992·9	992·6	992·4	992·4	992·6	992·6	992·7	992·7	992·9	993·0	993·5	993·9	994·2	994·3	994·5	994·6	993·0
14	994·6	994·6	994·6	994·7	994·6	995·0	995·6	995·3	994·9	995·1	995·6	995·8	996·2	996·7	996·7	996·8	996·9	996·8	997·0	997·0	997·2	997·2	997·1	996·8	995·9
15	996·4	996·2	996·1	995·8	995·6	995·1	994·9	994·6	994·0	993·2	992·9	992·6	992·3	991·9	991·8	991·7	991·4	991·3	991·3	991·5	991·5	991·3	990·9	990·8	993·3
16	990·3	990·0	989·5	989·4	989·5	989·3	989·4	988·9	989·1	988·7	988·8	988·7	988·7	988·3	988·2	987·6	987·3	986·7	986·7	986·5	986·1	985·7	985·4	985·3	988·2
17	984·6	984·3	983·9	983·8	983·6	983·5	983·4	983·3	983·3	983·3	983·3	983·3	983·0	982·8	982·9	983·0	983·0	983·1	983·2	983·0	983·0	983·0	983·0	982·6	983·4
18	982·3	981·6	981·4	981·0	980·8	980·5	980·0	979·7	979·2	978·9	978·7	978·1	977·9	977·7	977·4	977·1	977·1	977·2	977·3	977·4	977·8	977·7	977·9	977·9	979·0
19	977·8	977·5	977·4	977·2	977·2	977·1	977·1	976·7	976·4	976·1	975·4	974·8	974·3	973·8	973·2	972·2	971·3	970·1	969·1	968·6	968·7	968·6	968·6	968·4	973·8
20	968·2	968·0	967·9	968·0	968·1	968·4	968·6	969·1	969·1	969·9	970·3	971·0	971·5	972·6	973·3	974·4	975·3	976·5	976·9	978·4	979·6	980·8	981·5	982·2	972·6
21	982·9	983·3	984·0	984·3	984·9	984·9	985·8	986·0	986·6	986·8	987·3	987·7	988·2	988·9	989·2	989·2	989·4	989·7	990·1	990·3	990·7	991·5	991·6	992·0	987·5
22	992·1	992·3	992·3	992·6	992·6	992·7	992·9	993·1	993·2	993·5	993·8	993·8	993·9	993·9	993·7	993·8	993·9	994·2	994·4	994·6	994·8	994·8	994·9	994·8	993·5
23	994·6	994·5	994·4	994·4	994·3	994·3	994·4	994·4	994·4	994·1	994·1	994·0	993·8	993·8	993·6	993·6	993·5	993·7	993·8	993·8	994·6	994·8	995·1	995·2	994·2
24	995·4	995·5	996·0	996·4	997·1	997·6	998·0	998·4	998·8	999·1	998·9	998·7	998·6	998·6	998·7	998·6	998·6	998·6	998·7	998·8	999·2	999·1	999·1	998·8	998·1
25	998·5	998·1	997·6	997·5	997·4	997·3	997·1	996·9	996·7	996·3	996·0	995·7	995·4	994·8	994·4	994·1	993·9	993·9	994·1	993·9	993·8	993·8	993·6	993·4	995·7
26	993·1	992·8	992·8	992·9	993·0	993·2	993·2	993·1	992·8	993·2	993·1	992·7	992·5	991·7	991·6	991·4	991·2	991·1	990·6	990·2	989·7	988·9	988·5	987·6	991·8
27	987·1	985·9	985·8	985·7	985·0	984·9	984·4	984·2	983·5	983·0	981·9	981·4	980·6	980·3	980·7	980·4	980·7	980·7	980·9	981·0	981·4	981·9	982·1	982·7	982·9
28	983·3	983·0	983·1	983·6	983·6	984·1	984·1	984·3	984·9	985·3	985·4	985·5	986·1	986·0	986·3	986·4	986·8	986·7	986·6	987·1	987·3	988·3	988·4	988·6	985·5
29	988·9	988·9	989·3	989·5	990·3	990·7	990·9	991·3	991·5	991·9	992·0	992·2	992·2	992·2	992·4	992·6	992·7	992·7	992·9	993·1	993·7	994·0	994·1	994·2	991·7
30	994·4	994·3	994·5	994·7	995·1	995·4	995·3	995·3	995·4	995·2	995·1	995·1	994·9	994·8	994·7	994·7	994·5	994·2	994·1	994·3	994·7	995·1	995·4	995·4	994·8
31	995·3	995·3	994·9	994·9	994·9	994·9	995·0	995·0	995·1	995·2	994·8	994·8	994·4	994·2	993·9	993·5	993·2	993·1	992·9	992·7	992·6	992·8	992·8	992·8	994·2
Mean (Station Level)	989·85	989·68	989·59	989·57	989·66	989·76	989·89	989·87	989·83	989·88	989·84	989·77	989·69	989·63	989·58	989·50	989·45	989·48	989·55	989·61	989·81	989·97	990·00	989·97	989·73
Mean (Sea Level)	1018·37	1018·23	1018·17	1018·16	1018·22	1018·19	1018·16	1018·01	1017·89	1017·86	1017·76	1017·63	1017·55	1017·46	1017·41	1017·48	1017·33	1017·41	1017·58	1017·79	1018·10	1018·37	1018·45	1018·48	1017·91

174. ESKDALEMUIR: H_b = 237·3 metres — AUGUST, 1935

Day (Station Level)	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	992·9	992·8	992·3	992·1	992·1	992·3	992·3	992·1	991·9	991·9	991·6	991·5	991·5	991·3	991·1	991·1	991·1	991·2	991·5	991·9	992·0	992·3	992·7	992·8	991·9
2	993·0	993·2	993·4	993·3	993·5	993·8	993·9	994·0	993·9	994·1	994·4	994·5	994·5	994·3	994·2	994·1	994·2	994·1	994·3	994·6	994·9	995·1	995·0	994·9	994·1
3	994·9	994·9	994·8	994·8	994·6	995·0	995·1	995·0	995·0	994·8	994·7	994·7	994·7	994·5	994·3	994·2	994·3	994·3	994·3	994·7	994·8	994·9	994·9	994·5	994·7
4	994·3	994·1	994·1	994·1	994·0	994·0	994·2	994·1	993·9	993·7	993·7	993·5	993·5	993·3	993·4	993·6	993·8	993·8	993·8	994·0	994·3	994·4	994·6	994·9	994·0
5	994·7	994·8	994·9	995·0	995·3	995·6	996·1	996·1	996·8	996·9	996·9	996·9	997·0	997·2	997·5	997·6	997·9	998·1	998·3	998·5	999·0	999·1	999·3	999·4	996·9
6	999·5	999·5	999·7	999·9	999·8	000·0	000·2	000·3	000·4	000·3	000·4	000·3	000·2	000·1	999·9	999·7	999·5	999·4	999·5	999·6	999·8	999·7	999·6	999·5	999·9
7	999·1	998·8	998·4	998·1	997·9	997·6	997·5	997·3	996·8	996·3	995·7	995·4	994·8	994·2	993·7	993·1	992·5	992·2	992·0	991·9	991·6	991·2	990·6	990·0	995·1
8	989·5	989·1	988·6	988·3	988·1	987·8	987·6	987·4	987·4	987·1	986·9	986·7	986·4	986·4	986·0	986·0	985·9	985·9	985·6	985·8	985·7	985·6	985·9	985·7	987·0
9	985·5	985·3	985·1	985·5	985·7	986·0	986·2	987·0	987·1	987·2	987·2	987·2	987·1	986·9	987·5	987·6	987·5	987·8	988·0	988·3	988·3	988·2	987·8	987·6	986·9
10	987·3	986·7	986·4	986·3	986·0	985·8	985·8	986·0	986·0	985·7	985·5	985·2	985·0	985·0	985·0	984·8	984·4	984·4	984·4	984·7	984·4	984·4	984·4	984·3	985·4
11	983·8	983·2	982·7	982·3	982·2	981·9	981·6	981·4	981·4	981·1	981·2	981·4	981·9	981·9	981·8	981·7	981·4	980·9	980·6	980·4	980·4	980·3	980·3	980·0	981·6
12	979·9	980·0	979·8	979·9	980·2	981·2	981·6	982·3	982·7	983·1	983·3	983·6	984·2	984·3	984·2	984·3	984·8	985·5	986·4	987·3	987·6	987·8	987·9	988·0	983·6
13	987·9	987·6	987·6	987·4	987·6	987·8	987·8	987·6	987·3	987·2	986·9	986·8	986·6	986·7	986·8	986·4	986·3	986·6	986·6	986·7	986·7	986·6	986·3	986·4	987·0
14	986·5	986·3	986·2	986·2	986·1	986·2	986·4	986·5	986·5	986·5	986·8	986·8	986·8	987·1	987·6	987·7	988·0	988·2	988·5	988·7	989·1	989·3	989·3	989·4	987·3
15	989·4	989·4	989·3	989·6	989·9	990·3	990·5	990·6	990·5	990·5	990·5	990·6	990·6	990·8	990·8	990·7	990·6	990·6	990·8	990·8	990·9	991·1	991·1	991·1	990·4
16	990·8	990·8	990·5	990·3	990·2	990·2	990·1	990·2	990·2	990·1	990·0	990·0	989·8	989·9	989·7	989·5	989·5	989·5	989·6	989·8	989·9	989·8	989·8	989·7	990·0
17	989·4	989·2	989·0	988·8	988·6	988·7	988·8	989·0	988·9	988·8	988·4	988·3	988·2	988·2	988·1	988·0	987·7	988·0	988·2	988·4	988·5	988·5	988·5	988·4	988·5
18	988·3	988·1	988·0	987·7	987·6	987·8	987·9	987·9	988·0	987·9	988·0	988·2	988·2	987·7	987·5	987·1	987·1	987·1	987·3	988·0	988·0	988·2	988·3	988·3	987·8
19	988·1	987·9	987·7	987·7	987·9	988·1	988·3	988·3	988·6	988·5	988·3	988·7	989·0	989·0	989·2	989·1	989·2	989·2	989·7	990·2	990·2	990·7	990·8	990·7	988·9
20	990·6	990·7	990·6	990·9	990·9	991·1	991·3	991·7	992·1	992·3	992·2	992·2	992·1	991·8	991·5	991·3	990·6	990·3	990·3	990·2	989·8	989·5	989·3	988·8	991·0
21	988·3	987·6	986·6	985·9	985·3	984·6	984·1	984·1	983·7	982·9	982·1	981·9	982·5	983·2	983·3	984·0	984·1	984·6	985·2	985·5	986·2	986·5	986·8	986·5	984·9
22	986·9	986·5	986·3	985·9	985·7	985·7	985·5	985·3	984·9	984·2	983·7	983·5	983·1	982·7	982·3	982·2	982·1	982·0	982·3	982·6	982·7	982·8	982·8	982·7	984·0
23	982·7	982·7	982·8	982·9	983·0	983·2	983·4	983·4	983·7	983·5	983·7	983·9	983·7	983·2	983·5	983·7	983·9	984·2	984·5	984·7	984·4	984·7	984·5	984·6	983·7
24	984·7	984·3	984·2	984·3	984·6	984·9	985·1	985·4	985·6	985·7	985·5	985·5	985·7	985·7	986·1	986·1	986·3	986·7	987·3	987·5	988·2	988·5	988·7	988·7	986·0
25	989·1	989·4	989·5	989·5	989·7	990·1	990·3	990·8	991·0	991·3	991·3	991·0	990·8	990·5	990·1	989·3	989·1	988·7	988·7	988·2	987·5	986·9	985·7	985·0	989·4
26	984·0	983·2	982·2	981·1	979·9	978·6	978·4	977·9	977·4	976·8	976·2	976·2	976·2	975·7	975·0	973·9	972·6	971·8	970·3	969·6	968·6	968·3	967·9	967·5	975·8
27	967·1	966·7	966·5	966·1	966·3	966·7	967·0	966·9	967·1	967·6	967·5	967·5	967·6	967·6	967·7	967·9	967·8	967·9	968·2	968·6	968·8	968·9	969·0	969·2	967·6
28	969·1	969·4	969·6	969·5	969·6	970·0	970·2	970·7	970·8	970·8	970·5	970·4	970·6	970·8	970·7	970·5	970·4	969·8	970·2	970·5	970·7	970·5	970·5	970·0	970·2
29	970·1	970·3	970·4	970·8	971·0	971·5	971·8	972·3	972·6	972·8	973·0	973·3	973·6	974·3	974·7	974·7	974·9	975·0	975·4	975·4	975·3	975·3	975·4	974·7	973·2
30	974·5	974·2	973·9	973·3	972·8	972·8	973·1	973·0	973·2	973·5	973·0	973·4	973·5	973·6	973·5	973·7	973·7	973·8	973·8	974·3	974·3	974·3	973·9	974·0	973·6
31	973·9	973·9	973·9	973·9	974·3	974·6	975·1	975·4	976·2	976·4	976·7	976·9	977·4	977·8	978·0	978·2	978·5	978·8	979·3	979·8	980·1	980·4	980·5	980·7	977·0
Mean (Station Level)	986·32	986·15	985·97	985·85	985·82	985·93	986·04	986·13	986·18	986·11	985·99	986·00	986·03	985·99	985·96	985·87	985·80	985·82	985·97	986·17	986·22	986·25	986·20	986·07	986·04
Mean (Sea Level)	1014·70	1014·56	1014·41	1014·29	1014·25	1014·30	1014·27	1014·24	1014·19	1014·03	1013·83	1013·79	1013·78	1013·74	1013·71	1013·63	1013·60	1013·72	1013·95	1014·29	1014·43	1014·52	1014·48	1014·38	1014·13
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.

175. ESKDALEMUIR: H_b (height of barometer cistern above M.S.L.) = 237·3 metres — SEPTEMBER, 1935

Station Level

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	980·7	980·8	981·1	981·2	981·3	981·5	981·5	981·5	981·7	981·6	981·4	980·9	980·7	980·2	979·7	979·1	978·3	977·6	977·2	976·6	975·6	974·7	973·8	973·1	979·4
2	972·0	971·0	970·3	970·0	969·6	969·4	968·6	967·6	966·8	966·9	967·2	968·1	969·5	970·4	971·3	972·9	974·2	975·4	976·2	977·0	977·8	978·0	978·3	978·4	971·8
3	978·4	978·1	977·9	977·7	977·6	977·8	977·8	978·1	978·6	978·3	977·8	977·9	977·9	978·1	978·0	977·7	977·4	977·6	977·6	978·0	977·8	977·6	977·1	976·9	977·9
4	976·4	976·2	975·9	975·5	975·5	975·5	975·6	975·5	975·5	975·3	975·3	975·1	975·2	975·1	975·1	975·0	975·1	975·5	975·6	976·0	976·4	976·5	976·8	976·7	975·7
5	976·9	977·0	977·1	977·1	977·2	977·4	977·7	978·2	978·4	978·3	978·3	978·5	978·4	978·3	978·3	978·4	978·6	978·9	979·6	980·2	980·7	981·4	982·0	982·5	978·6
6	983·2	983·5	984·2	984·5	985·1	985·7	986·6	987·5	988·0	988·5	988·9	989·3	989·6	989·9	990·1	990·5	990·6	991·2	991·5	992·1	992·5	992·7	992·9	993·1	988·6
7	993·4	993·4	993·5	993·6	993·9	994·3	994·8	995·0	995·3	995·4	995·3	995·3	995·3	995·1	994·9	994·9	994·9	995·1	995·9	996·2	996·6	997·0	997·2	996·8	995·1
8	996·5	996·1	995·9	995·7	996·2	996·3	996·5	996·5	996·4	996·1	995·8	995·1	994·9	994·7	994·3	994·1	993·8	993·9	994·3	994·4	994·7	994·6	994·6	994·2	995·3
9	994·1	993·8	993·7	993·7	994·0	994·2	994·7	994·9	995·0	995·1	994·6	994·6	994·4	994·3	994·2	994·1	994·5	994·9	995·2	995·5	995·6	995·7	995·7	995·8	994·6
10	995·7	995·5	995·4	995·3	995·2	995·3	995·2	995·1	995·1	995·0	994·6	994·2	994·1	993·8	993·6	993·3	993·0	992·6	992·5	992·3	991·9	991·4	991·0	990·4	993·9
11	990·0	989·5	989·0	988·5	988·2	987·8	987·7	987·2	987·0	986·7	986·2	985·8	985·5	985·0	984·6	984·1	983·7	983·7	983·7	983·3	983·1	982·7	982·5	982·1	985·9
12	981·9	981·5	981·1	980·6	980·5	980·2	979·8	979·3	979·3	978·5	978·1	977·6	977·4	976·3	975·9	975·7	975·1	974·5	974·3	974·2	973·5	972·7	971·9	971·1	977·4
13	970·7	970·5	970·7	971·3	972·2	972·8	973·3	974·1	974·2	974·7	974·9	975·2	975·6	976·0	976·1	975·9	975·9	976·0	975·7	975·7	975·3	975·2	974·7	974·1	974·1
14	973·1	972·7	971·9	970·9	969·5	969·8	970·0	970·3	969·9	968·9	969·0	969·5	970·0	970·3	970·8	971·2	971·3	972·2	972·9	973·7	973·2	973·3	973·7	973·8	971·3
15	973·3	972·8	972·1	970·7	969·6	968·6	967·6	966·1	964·8	963·8	962·9	961·9	961·5	960·7	960·1	960·0	960·0	959·8	960·0	960·3	960·4	960·7	961·1	961·1	964·4
16	961·3	961·2	960·8	960·2	960·1	960·4	960·5	960·7	961·1	961·2	961·5	962·0	962·2	962·0	961·8	961·1	960·4	959·9	958·3	956·5	953·1	950·0	947·4	945·5	959·0
17	943·9	942·9	942·4	941·9	942·1	942·4	942·8	943·5	945·4	947·2	949·6	951·1	952·4	953·8	955·3	956·5	957·6	958·6	959·8	960·4	961·4	962·2	962·7	963·4	951·3
18	964·0	964·2	964·5	965·0	965·7	966·4	967·4	968·4	969·4	970·0	970·8	971·5	972·4	972·8	973·1	973·5	973·4	972·7	972·5	971·3	969·9	968·0	965·3	963·1	969·0
19	960·2	958·0	955·9	954·9	954·6	956·0	956·7	956·6	957·4	958·1	958·1	958·5	960·1	961·0	962·7	964·0	965·4	966·4	968·0	969·1	970·2	970·8	971·4	971·9	961·7
20	972·6	973·4	974·0	974·5	975·2	976·5	977·5	978·4	978·9	979·5	980·2	981·3	981·8	982·4	983·1	983·9	984·8	986·2	987·0	988·2	989·1	990·0	990·6	991·2	981·3
21	991·7	992·1	991·9	992·2	992·3	992·3	992·7	993·1	993·0	992·8	992·8	992·7	992·3	991·8	991·1	990·7	990·5	989·7	989·4	988·5	988·0	987·1	986·5	985·4	991·0
22	983·9	982·6	980·9	980·4	979·5	978·6	978·1	977·3	977·3	977·3	977·3	976·9	977·4	977·7	977·9	977·8	978·0	978·0	978·3	978·7	978·8	979·1	979·4	979·7	978·9
23	979·8	979·9	979·9	979·9	980·0	980·6	981·2	981·5	982·5	982·8	982·7	983·1	983·5	983·6	983·8	984·2	984·6	985·1	985·5	986·1	985·9	986·1	986·1	985·9	983·0
24	985·8	985·2	984·8	984·5	983·8	983·6	983·5	983·0	982·5	981·8	981·2	980·2	979·2	977·7	977·0	976·5	976·3	976·5	976·7	977·1	977·6	978·4	979·1	979·3	980·6
25	980·3	980·6	981·2	982·0	982·7	983·5	984·4	984·8	985·1	985·4	985·4	985·7	985·9	986·4	986·9	986·8	987·5	988·1	988·6	988·9	989·4	989·7	989·4	989·4	985·5
26	989·7	989·4	989·4	989·4	989·1	988·6	988·5	988·2	988·1	987·4	986·8	986·6	985·3	984·3	983·8	982·6	982·4	981·8	981·5	981·0	980·0	979·3	978·7	978·3	985·2
27	978·1	977·7	978·0	978·0	978·3	978·4	978·6	979·2	979·7	979·5	979·6	979·5	979·7	979·7	979·9	980·2	980·4	981·0	981·3	981·6	982·0	981·7	981·6	981·2	979·7
28	981·3	980·7	980·0	979·5	978·7	978·2	977·5	976·5	975·4	974·3	973·3	973·0	972·8	973·0	973·8	974·6	975·9	975·9	977·3	977·6	978·3	978·6	979·0	979·4	976·9
29	979·4	979·7	979·6	979·6	980·0	980·2	980·8	980·8	980·4	980·2	980·0	979·3	978·9	978·3	977·8	977·0	976·2	974·9	974·3	973·7	972·2	971·3	969·5	968·8	977·4
30	968·7	968·2	967·8	967·4	966·7	966·2	965·9	965·6	965·8	965·7	965·3	965·4	965·3	965·5	965·6	965·8	965·8	965·4	965·3	965·0	964·7	963·9	963·4	962·5	965·8
Mean (Station Level)	978·57	978·27	978·03	977·86	977·81	977·95	978·12	978·15	978·27	978·21	978·16	978·19	978·31	978·27	978·35	978·40	978·52	978·64	978·87	978·97	978·86	978·68	978·45	978·17	978·35
Mean (Sea Level)	1007·00	1006·70	1006·48	1006·30	1006·28	1006·44	1006·54	1006·44	1006·45	1006·29	1006·17	1006·15	1006·25	1006·21	1006·32	1006·42	1006·58	1006·80	1007·12	1007·30	1007·23	1007·08	1006·87	1006·61	1006·60

176. ESKDALEMUIR: H_b = 237·3 metres — OCTOBER, 1935

Station Level

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	961·6	961·0	960·3	959·5	959·0	959·1	959·7	960·4	961·3	962·5	963·5	964·6	965·8	966·7	968·0	968·8	969·8	970·5	971·2	972·0	972·1	972·1	971·7	971·2	965·3
2	970·4	969·8	969·2	969·0	968·3	967·6	966·9	965·7	964·8	964·0	962·8	961·7	960·6	959·4	958·2	957·1	956·5	955·4	954·7	954·0	953·1	952·2	951·7	951·3	961·4
3	951·1	950·6	950·4	950·1	949·7	950·2	951·1	951·6	952·5	953·5	954·3	954·7	955·2	955·7	956·1	956·8	957·3	958·0	958·9	959·2	959·6	960·2	960·5	961·1	954·7
4	961·4	961·8	962·1	962·6	962·8	963·1	963·6	964·1	964·2	964·2	964·3	964·0	963·6	963·3	963·6	963·8	963·9	963·8	963·8	964·0	963·7	963·8	963·8	963·6	963·4
5	963·5	963·5	963·4	963·3	963·3	963·3	963·4	963·4	963·5	963·8	963·9	964·0	964·3	964·4	964·9	965·7	966·6	967·5	968·1	968·3	969·0	969·4	970·1	970·4	965·3
6	970·6	970·9	971·1	971·2	971·3	972·2	973·0	973·6	974·5	975·3	975·8	976·4	976·8	977·4	978·2	978·8	979·4	980·2	980·7	981·5	981·9	982·1	982·6	982·7	976·3
7	982·8	982·8	982·8	982·8	982·8	982·8	983·0	983·0	983·1	982·9	982·1	981·5	981·0	980·2	979·9	979·5	979·2	979·0	978·3	977·5	976·5	975·5	974·6	973·1	980·5
8	972·2	970·7	969·1	967·3	967·5	967·1	967·3	967·6	968·0	968·6	969·0	969·3	969·2	969·6	969·7	970·0	970·2	970·6	970·9	971·1	971·1	971·3	971·3	971·1	969·6
9	971·1	971·0	971·1	970·9	970·6	970·8	970·7	970·6	970·2	969·4	968·7	968·3	967·7	967·3	966·2	965·2	964·5	963·6	962·7	961·6	960·8	959·6	958·3	957·3	966·9
10	957·2	956·7	956·9	957·1	957·3	958·4	958·8	959·7	961·3	961·8	962·1	962·5	963·1	963·4	963·7	963·1	964·8	967·2	968·6	970·0	970·9	971·5	972·4	972·9	963·1
11	973·7	973·4	973·4	974·1	974·4	974·7	975·1	975·2	976·0	976·6	976·8	977·9	978·0	978·2	978·2	979·1	979·5	980·4	981·2	981·8	982·5	983·0	983·4	983·8	977·7
12	984·0	984·2	984·4	984·9	985·5	986·3	986·8	987·4	988·0	988·2	988·4	988·3	988·3	988·3	988·7	988·8	989·2	989·8	989·9	990·1	990·1	990·2	990·3	989·9	987·8
13	990·1	990·1	990·8	990·9	990·9	991·0	991·8	991·6	991·3	990·8	990·6	990·0	989·2	988·6	988·0	987·2	985·9	985·1	983·9	983·8	983·3	982·8	982·6	983·1	988·2
14	983·7	984·1	985·0	985·7	986·6	987·5	988·2	988·9	989·7	990·3	990·3	990·8	991·4	991·4	991·4	991·9	992·2	992·4	992·2	992·4	992·8	992·5	992·1	992·3	989·6
15	992·0	992·0	991·6	991·4	991·0	990·4	990·2	990·0	989·9	989·4	988·7	988·2	987·8	987·3	986·9	986·7	986·2	986·0	986·0	986·3	986·1	985·9	986·1	986·3	988·6
16	986·4	986·7	986·7	987·2	988·1	988·7	989·2	989·8	990·7	991·2	991·6	991·7	991·8	991·7	992·1	992·1	993·0	992·8	993·3	993·4	993·6	993·3	993·9	993·7	990·8
17	993·8	992·9	991·9	990·1	989·2	989·3	988·9	988·1	987·4	986·6	986·0	985·3	985·6	986·0	985·6	985·6	986·1	986·4	987·0	987·0	987·2	987·3	987·3	987·7	988·0
18	988·3	988·3	989·3	990·3	991·5	991·6	991·7	991·7	991·7	990·4	989·4	987·9	985·8	983·9	980·7	977·3	975·2	971·3	969·1	966·3	963·6	964·3	963·5	961·7	981·6
19	959·4	957·2	954·4	952·7	952·3	951·3	951·0	951·1	951·2	951·3	951·5	952·0	952·5	953·4	955·1	956·0	957·2	958·8	960·5	962·7	964·6	965·8	967·9	968·6	956·5
20	969·9	971·4	972·6	973·4	974·9	976·8	978·2	979·3	980·3	981·0	982·0	982·4	982·6	982·5	982·9	983·7	984·3	984·7	984·8	984·8	984·9	984·9	984·8	984·6	980·2
21	984·5	984·3	983·9	983·9	983·6	983·4	983·6	983·4	983·4	983·0	982·1	980·3	979·3	979·0	978·6	979·5	980·9	981·5	982·4	983·3	983·7	984·3	984·6	985·1	982·6
22	984·9	984·8	985·0	985·4	985·5	984·9	984·9	985·3	985·2	984·9	984·8	984·3	983·9	983·9	983·8	983·7	983·7	984·0	983·9	984·0	983·9	983·6	983·1	982·7	984·4
23	982·3	981·7	981·1	980·7	980·1	979·6	979·2	978·9	978·4	977·9	977·4	976·5	975·8	975·3	975·0	974·8	974·7	975·0	974·8	974·9	974·8	974·8	975·2	975·4	977·4
24	975·7	975·9	976·4	977·1	977·9	978·4	979·2	980·1	980·8	981·4	982·0	982·6	982·8	983·2	983·5	983·9	984·4	984·7	985·2	985·5	985·6	985·6	985·8	986·0	981·6
25	986·1	986·0	986·2	986·4	986·8	986·9	987·1	987·8	988·0	988·2	988·2	988·6	988·5	988·9	988·9	989·2	989·7	990·3	990·4	990·6	990·9	990·7	990·8	990·4	988·5
26	990·7	990·6	990·3	989·5	989·3	989·2	989·1	989·1	988·7	988·0	987·3	986·7	985·3	984·6	984·1	983·3	983·5	983·7	984·0	984·2	984·1	983·8	984·1	983·9	986·7
27	984·1	983·7	983·4	983·1	982·2	981·3	979·7	978·1	977·2	975·7	975·4	974·5	974·3	973·6	973·0	972·9	973·0	973·0	972·6	972·9	973·2	973·5	973·5	974·1	976·8
28	974·5	976·3	977·1	978·8	980·7	981·3	981·9	983·7	984·5	985·4	985·6	985·9	985·7	985·6	985·0	984·9	984·6	984·4	983·6	982·7	982·2	981·8	981·5	980·4	982·3
29	979·7	979·3	978·4	977·5	976·6	975·4	974·4	972·9	971·7	971·4	970·6	970·0	970·1	969·7	970·5	971·5	972·2	973·0	973·0	973·2	973·4	973·3	973·0	973·2	973·7
30	972·6	972·0	971·4	970·9	970·2	969·2	967·4	965·2	962·6	960·6	958·3	956·9	956·3	955·7	954·8	954·0	953·8	953·0	954·1	953·4	953·6	954·0	954·4	954·9	960·8
31	955·2	955·4	955·3	955·5	956·5	956·7	956·7	957·1	957·7	957·7	958·0	957·6	957·6	957·3	957·5	957·8	957·9	958·3	959·0	959·1	959·8	960·5	962·1	963·7	957·7
Mean (Station Level)	975·92	975·78	975·65	975·59	975·69	975·76	975·87	975·95	976·06	976·00	975·85	975·66	975·48	975·34	975·25	975·25	975·47	975·63	975·77	975·86	975·89	975·92	976·03	976·01	975·73
Mean (Sea Level)	1004·55	1004·41	1004·29	1004·23	1004·34	1004·43	1004·54	1004·56	1004·58	1004·44	1004·23	1004·00	1003·77	1003·63	1003·55	1003·60	1003·87	1004·10	1004·28	1004·39	1004·43	1004·50	1004·63	1004·63	1004·25
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, 1935

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	965·1	966·1	966·5	967·1	967·6	968·1	968·9	969·4	969·5	969·9	970·6	970·5	971·1	971·6	972·4	973·4	974·6	975·8	977·1	978·1	979·2	979·9	980·2	980·2	971·9
2	980·5	980·6	980·3	979·8	979·4	978·9	978·2	977·9	977·1	976·9	976·1	975·9	976·7	977·1	977·1	977·8	978·3	979·2	979·8	980·6	981·8	981·7	982·6	982·9	979·0
3	982·5	982·7	982·7	982·9	982·3	981·5	981·5	981·5	981·0	980·3	979·2	978·6	977·6	977·0	976·2	976·1	975·5	974·5	974·4	974·2	974·0	973·7	973·5	973·0	978·4
4	972·8	973·0	972·8	972·8	972·7	972·4	972·7	973·1	973·3	973·3	972·8	972·9	972·9	972·6	972·6	972·8	973·2	973·6	973·6	973·3	973·6	973·6	973·3	973·3	973·0
5	973·2	972·8	972·6	972·2	971·8	971·6	971·6	971·6	971·4	971·1	971·0	970·7	970·4	970·0	969·6	969·6	970·0	970·1	970·8	971·2	971·7	972·1	972·6	972·7	971·4
6	972·8	973·1	973·2	973·2	973·4	973·7	974·1	974·3	974·5	974·7	974·4	974·2	973·7	973·6	973·7	973·9	974·4	974·4	974·4	974·5	974·6	974·7	974·5	974·5	974·0
7	974·2	974·2	974·0	974·0	973·9	973·9	973·8	973·9	973·7	973·5	973·0	972·2	971·6	971·3	970·8	970·8	970·8	970·8	970·7	970·8	970·7	970·2	970·0	969·4	972·3
8	969·0	968·5	968·2	968·2	968·1	968·1	967·9	968·2	968·1	968·0	967·8	967·3	967·2	967·0	966·7	966·5	966·3	966·4	966·4	966·4	966·2	965·9	965·4	964·7	967·2
9	964·2	963·4	963·3	962·7	962·2	961·9	961·7	961·4	961·4	961·3	960·9	960·9	960·8	960·9	961·3	961·9	962·4	963·1	964·0	964·6	965·0	966·1	966·9	967·5	962·9
10	968·1	968·3	968·7	969·4	969·7	970·2	970·8	971·6	972·2	972·7	973·3	973·3	973·5	973·7	974·0	974·2	974·3	974·6	974·7	974·7	975·0	974·9	975·1	975·3	972·4
11	975·1	975·3	975·4	975·5	975·4	975·4	975·4	975·1	975·2	975·1	975·0	974·6	974·3	973·9	973·3	972·8	972·3	971·7	971·0	970·1	969·3	968·3	967·1	965·7	973·2
12	964·0	962·5	961·3	960·7	960·9	961·4	962·5	963·6	964·7	965·6	966·5	967·4	967·6	968·1	968·7	969·3	969·7	970·1	970·1	970·7	970·8	970·7	970·5	970·4	966·5
13	970·4	970·3	970·2	970·0	970·2	970·5	970·6	970·6	970·7	970·8	970·6	970·2	970·3	970·4	970·5	970·7	971·2	971·5	971·8	972·1	972·5	972·5	972·7	972·7	970·9
14	972·6	972·5	971·9	971·5	970·5	969·7	968·6	967·8	968·9	969·3	970·0	970·5	971·2	971·5	972·3	972·5	972·8	973·1	973·5	973·6	973·7	973·7	973·6	973·5	971·6
15	973·2	972·4	971·4	970·8	970·1	969·2	968·3	967·5	967·1	966·9	967·0	967·3	967·1	967·5	967·4	967·8	968·3	968·2	968·4	968·8	968·6	969·5	969·4	969·1	968·9
16	969·0	968·8	968·3	967·9	967·5	967·3	967·2	967·4	967·5	967·5	967·3	967·1	967·2	967·3	967·5	967·3	967·5	967·7	967·7	967·7	967·8	967·8	967·6	967·2	967·7
17	967·1	967·1	966·6	967·0	966·8	966·1	965·7	965·3	964·8	964·0	963·6	963·1	962·1	961·6	961·5	961·3	961·3	961·2	961·5	961·8	961·9	961·8	961·8	962·1	963·7
18	962·1	962·5	962·9	963·0	963·3	963·7	964·0	964·5	965·1	965·5	965·9	966·5	967·3	967·5	968·4	969·2	969·8	970·5	971·0	971·5	971·8	971·7	972·4	972·8	967·0
19	972·9	973·2	973·3	973·7	973·5	973·6	973·8	974·2	974·1	974·1	974·0	973·9	973·5	972·7	972·8	972·4	972·4	972·5	972·7	972·9	973·5	973·6	973·6	973·8	973·3
20	974·1	974·4	974·5	974·8	975·5	975·9	976·3	976·6	977·1	977·2	977·2	976·9	976·6	976·5	976·5	977·1	977·4	977·4	978·1	978·4	978·5	978·9	979·2	979·2	976·7
21	979·9	979·9	980·1	980·5	980·8	981·4	981·9	982·5	983·2	983·6	983·8	983·7	983·7	983·7	983·9	983·9	984·4	984·6	985·0	985·3	985·6	985·7	986·0	986·1	983·2
22	986·1	986·1	986·0	986·0	986·0	986·4	986·5	987·0	987·1	987·2	987·1	987·1	987·1	987·1	987·2	987·2	987·4	987·6	987·8	987·8	988·3	988·5	988·6	988·7	987·1
23	988·8	988·7	988·8	988·7	988·8	988·7	988·8	989·2	989·3	989·5	989·6	989·5	989·2	989·1	989·1	989·1	989·3	989·5	989·7	989·8	990·0	990·1	990·2	990·2	989·3
24	990·1	990·1	990·0	989·9	989·8	989·7	989·9	990·2	990·4	990·8	990·8	990·6	990·3	990·1	990·0	990·2	990·3	990·3	990·7	990·8	991·2	991·1	991·2	991·1	990·4
25	990·7	990·5	990·4	990·0	989·6	989·1	988·9	989·0	988·8	988·5	987·7	986·8	986·2	985·0	984·3	984·0	983·0	981·5	981·7	981·2	979·8	979·2	977·5	976·4	985·7
26	975·5	974·7	973·9	972·9	972·4	971·8	973·2	973·4	974·2	975·2	975·1	975·2	975·4	975·6	975·2	975·6	975·6	975·8	975·4	975·7	976·1	976·2	976·2	976·2	974·9
27	976·7	976·6	976·8	977·1	977·5	978·2	979·1	979·7	980·0	980·3	980·4	980·1	980·2	980·2	980·0	979·8	979·6	979·3	978·2	977·4	976·0	974·5	973·0	971·0	978·1
28	969·1	967·4	966·1	965·0	964·7	963·9	962·9	962·2	962·2	962·0	962·0	962·4	962·7	963·3	964·3	965·9	966·8	968·0	967·9	969·8	971·0	971·0	971·3	972·0	966·0
29	971·8	971·7	971·9	971·5	971·2	970·6	970·3	969·6	970·0	970·3	970·4	969·7	968·7	968·9	968·5	968·6	968·5	968·7	968·4	967·6	967·3	966·9	966·6	966·1	969·5
30	965·7	965·6	964·8	963·9	963·4	962·8	962·1	961·9	961·6	961·0	960·0	959·5	958·5	957·0	954·5	952·2	949·6	946·8	944·4	943·7	944·8	944·4	944·5	944·3	956·2
Mean (Station Level)	973·91	973·77	973·56	973·42	973·30	973·19	973·24	973·34	973·47	973·54	973·44	973·29	973·16	973·06	973·01	973·13	973·23	973·28	973·36	973·50	973·68	973·63	973·57	973·40	973·41
Mean (Sea Level)	1002·75	1002·61	1002·41	1002·26	1002·13	1002·00	1002·04	1002·13	1002·21	1002·20	1002·02	1001·83	1001·67	1001·59	1001·57	1001·75	1001·92	1002·01	1002·12	1002·29	1002·48	1002·44	1002·38	1002·22	1002·14

178. ESKDALEMUIR: H_b = 237·3 metres — DECEMBER, 1935

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	944·2	944·0	943·9	943·4	943·5	943·2	943·1	943·2	943·1	943·0	942·9	942·7	942·3	941·2	940·4	939·5	939·7	941·7	943·2	944·4	945·2	946·3	946·6	947·2	943·2
2	947·1	947·1	947·0	947·1	946·7	947·5	948·0	948·8	949·8	950·0	950·4	950·6	950·5	950·7	951·7	952·1	952·3	952·7	952·7	953·2	953·3	953·6	953·7	954·2	950·3
3	954·5	954·4	955·1	955·1	955·0	955·1	955·1	955·3	955·3	955·2	955·1	955·1	955·0	955·2	955·1	955·2	955·2	955·7	956·4	956·4	957·3	957·5	958·5	958·9	955·6
4	958·9	959·9	960·3	960·9	961·7	962·2	962·6	963·3	964·3	964·8	965·4	965·2	965·2	964·9	964·4	964·6	964·6	964·4	964·6	964·7	965·4	965·6	966·0	966·4	963·6
5	967·2	968·0	968·9	969·6	970·2	971·0	972·4	973·5	974·4	975·0	975·5	975·8	976·3	976·4	976·6	977·1	977·2	977·0	977·0	977·0	976·6	976·8	976·6	976·4	974·1
6	976·0	975·8	975·4	975·3	974·3	974·0	974·4	974·5	974·6	975·0	975·1	975·0	975·0	975·4	976·1	976·5	977·0	977·8	978·5	978·9	979·5	979·9	980·3	980·2	976·4
7	980·3	980·6	981·1	980·9	980·9	980·9	980·5	980·6	980·9	980·9	980·5	979·5	978·8	978·3	977·9	976·9	976·3	975·6	975·2	974·9	975·0	975·0	975·0	975·2	978·5
8	975·2	975·4	975·2	975·4	975·5	975·0	975·1	974·9	974·7	975·0	974·8	974·9	974·4	974·3	974·8	974·7	975·6	976·3	977·0	977·7	977·8	978·7	980·5	982·1	975·9
9	983·3	984·9	985·9	987·3	988·3	989·9	991·3	992·9	993·7	994·9	995·4	996·0	996·7	997·4	998·9	999·8	000·7	001·6	002·6	003·3	004·3	005·0	005·4	006·1	995·6
10	006·4	007·0	007·4	007·8	008·0	008·5	009·0	009·8	010·2	010·5	010·9	010·8	010·7	010·9	011·1	011·5	011·8	011·6	011·4	011·7	011·5	011·6	011·8	011·3	010·0
11	011·2	011·0	010·8	010·6	010·6	010·0	009·8	009·9	009·4	009·7	008·8	008·4	008·0	007·8	007·4	007·3	007·2	006·7	006·1	006·2	006·1	006·0	006·1	005·9	008·5
12	005·3	005·0	004·7	004·4	004·4	004·3	004·2	004·3	004·3	004·4	004·2	003·7	003·3	003·2	003·1	003·1	003·3	003·2	003·2	003·0	002·9	002·8	002·6	002·5	003·8
13	002·2	001·9	001·6	001·4	001·2	001·0	000·9	000·9	001·1	001·1	000·6	999·8	999·3	998·8	998·3	998·3	997·9	997·5	996·9	996·0	995·6	995·3	994·9	994·0	999·2
14	993·0	992·4	991·6	990·5	989·8	988·6	987·6	986·9	986·2	985·6	984·6	983·2	982·2	981·0	980·0	979·1	978·5	977·9	977·1	976·4	975·7	975·4	974·8	974·4	983·4
15	973·3	972·9	971·7	970·6	969·3	968·2	967·3	966·2	966·2	965·9	966·2	966·0	965·6	965·0	964·6	963·8	962·8	961·9	960·9	960·2	959·4	958·7	959·1	959·6	965·5
16	960·4	961·1	962·2	962·3	963·4	964·4	965·0	966·2	967·2	968·3	969·5	970·0	970·4	970·2	971·0	971·6	971·9	972·1	972·7	973·1	973·4	973·6	973·6	974·1	968·4
17	973·7	973·7	974·0	974·1	974·1	974·4	975·0	976·0	976·7	977·3	977·4	977·5	977·3	977·5	978·0	978·9	979·2	979·6	980·4	980·5	980·9	981·2	981·6	981·7	977·4
18	982·0	982·7	982·9	982·9	982·9	983·2	983·8	984·1	984·1	983·8	983·6	983·6	983·1	982·7	982·9	982·7	982·4	982·2	982·2	982·2	982·1	982·1	981·7	981·3	982·8
19	981·3	981·4	981·6	981·3	981·1	980·9	981·2	981·3	981·3	981·5	981·4	981·0	980·4	980·3	980·4	980·5	980·2	980·6	980·8	980·8	980·8	980·6	980·6	980·4	980·9
20	980·1	980·1	979·9	979·5	979·2	979·3	979·3	979·7	979·9	979·9	979·8	979·2	979·1	978·9	979·0	979·0	979·3	979·5	979·6	979·7	979·7	979·6	979·4	979·4	979·5
21	979·3	979·2	979·2	979·2	979·2	978·8	979·1	979·3	979·2	979·1	978·8	978·3	977·8	977·5	977·4	977·5	977·1	976·8	976·5	976·2	975·7	975·5	975·4	975·1	977·9
22	974·8	974·6	974·5	974·4	974·1	974·2	974·7	974·6	975·3	975·7	975·9	975·9	976·0	975·7	976·1	976·4	976·4	976·6	977·0	976·9	977·9	978·2	978·4	978·3	975·9
23	978·3	978·2	978·3	978·5	978·3	978·1	978·1	978·1	978·4	978·2	978·1	977·4	977·0	976·4	976·4	976·3	976·3	975·6	975·3	975·7	975·4	974·8	974·1	973·5	977·0
24	973·0	972·3	972·0	971·2	970·6	970·1	968·8	968·4	967·4	967·0	965·8	964·0	962·2	961·4	960·9	959·5	958·8	959·0	958·8	959·2	958·8	958·7	958·4	958·4	964·7
25	958·2	957·6	957·3	956·9	956·0	955·6	955·3	955·0	954·4	954·1	952·6	951·7	951·2	950·8	950·6	950·6	950·6	950·9	951·4	951·8	951·9	951·9	951·5	951·5	953·5
26	951·4	951·2	951·1	950·8	950·5	950·2	950·1	950·2	950·2	949·5	948·4	947·9	947·1	946·8	946·8	946·6	946·3	946·3	946·5	946·9	947·0	946·9	946·9	947·0	948·5
27	947·1	947·4	947·9	948·0	948·5	948·8	949·5	950·3	951·2	951·6	951·8	952·0	951·8	952·1	952·4	952·4	952·5	952·5	953·4	954·2	954·6	955·4	955·5	955·6	951·3
28	956·0	956·8	957·0	957·6	957·9	958·2	958·7	959·5	960·1	960·4	960·3	960·2	959·9	960·5	961·3	962·0	962·5	963·1	963·6	964·2	964·7	965·3	965·8	966·4	960·7
29	966·7	967·1	967·7	968·1	968·1	968·3	968·9	969·3	970·1	970·0	970·0	969·4	969·2	969·0	968·2	968·3	967·3	966·7	965·9	965·0	964·2	962·7	961·4	960·3	967·3
30	958·9	957·9	956·7	956·4	956·3	956·4	956·7	957·3	957·6	957·8	958·2	957·7	957·4	957·2	957·3	957·3	957·4	957·5	957·7	958·0	958·3	958·4	959·1	959·3	957·6
31	959·5	960·2	960·3	960·5	960·4	960·0	960·1	959·7	959·6	959·4	958·5	957·5	956·5	955·9	955·3	955·5	955·6	955·8	956·3	957·2	957·7	957·9	958·1	958·3	958·2
Mean (Station Level)	972·87	972·96	973·01	972·97	972·90	972·91	973·08	973·35	973·58	973·70	973·57	973·23	972·89	972·69	972·72	972·73	972·71	972·79	972·93	973·08	973·18	973·26	973·33	973·39	973·07
Mean (Sea Level)	1002·00	1002·11	1002·17	1002·14	1002·09	1002·09	1002·26	1002·55	1002·78	1002·84	1002·63	1002·23	1001·85	1001·65	1001·72	1001·80	1001·80	1001·90	1002·04	1002·19	1002·29	1002·36	1002·45	1002·53	1002·18
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 1935

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 982·65	mb 982·51	mb 982·37	mb 982·27	mb 982·26	mb 982·32	mb 982·44	mb 982·54	mb 982·65	mb 982·64	mb 982·57	mb 982·46	mb 982·34	mb 982·23	mb 982·17	mb 982·15	mb 982·20	mb 982·32	mb 982·48	mb 982·63	mb 982·73	mb 982·77	mb 982·75	mb 982·67	mb 982·46
Sea Level	011·52	011·39	011·27	011·16	011·15	011·18	011·24	011·27	011·31	011·22	011·07	010·91	010·76	010·64	010·59	010·60	010·70	010·89	011·12	011·35	011·50	011·59	011·56	011·52	011·15

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 1935

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
		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.	994·25	+0·11	+0·14	+0·15	-0·05	-0·08	-0·20	-0·10	-0·01	+0·09	+0·19	+0·26	+0·07	-0·19	-0·27	-0·37	-0·33	-0·21	-0·03	+0·02	+0·09	+0·15	+0·22	+0·21	+0·16
Feb.	972·47	+0·36	+0·09	-0·19	-0·38	-0·39	-0·41	-0·34	-0·10	+0·06	+0·10	+0·08	-0·06	-0·20	-0·28	-0·21	-0·21	-0·16	+0·06	+0·25	+0·29	+0·27	+0·42	+0·47	+0·46
Mar.	990·96	-0·08	-0·17	-0·30	-0·34	-0·24	-0·15	+0·06	+0·27	+0·75	+0·51	+0·44	+0·34	+0·10	-0·23	-0·45	-0·54	-0·44	-0·20	+0·04	+0·23	+0·22	+0·17	+0·10	-0·07
Apr.	979·12	+0·11	-0·05	-0·26	-0·44	-0·54	-0·34	-0·23	-0·20	-0·18	-0·05	-0·02	-0·03	-0·02	-0·12	-0·19	-0·18	-0·08	+0·08	+0·32	+0·55	+0·61	+0·55	+0·44	+0·27
May	993·51	+0·37	+0·28	+0·18	+0·13	+0·14	+0·28	+0·39	+0·46	+0·43	+0·28	+0·10	-0·09	-0·29	-0·43	-0·69	-0·77	-0·79	-0·69	-0·49	-0·15	+0·20	+0·36	+0·38	+0·42
June	981·39	+0·33	+0·12	-0·10	-0·18	-0·15	-0·09	-0·01	+0·03	+0·02	-0·00	-0·14	-0·15	-0·17	-0·16	-0·23	-0·34	-0·36	-0·26	-0·11	+0·10	+0·40	+0·50	+0·49	+0·46
July	989·73	+0·13	-0·04	-0·13	-0·15	-0·06	+0·04	+0·17	+0·15	+0·11	+0·15	+0·12	+0·04	-0·03	-0·10	-0·15	-0·23	-0·28	-0·25	-0·18	-0·12	+0·08	+0·24	+0·27	+0·23
Aug.	986·04	+0·09	-0·06	-0·22	-0·32	-0·34	-0·21	-0·08	+0·02	+0·09	+0·04	-0·06	-0·04	0·00	-0·02	-0·03	-0·11	-0·16	-0·13	+0·04	+0·26	+0·32	+0·37	+0·33	+0·22
Sept.	978·35	-0·06	-0·33	-0·55	-0·69	-0·71	-0·55	-0·36	-0·30	-0·16	-0·19	-0·21	-0·16	-0·02	-0·03	+0·08	+0·15	+0·30	+0·44	+0·69	+0·83	+0·74	+0·58	+0·38	+0·12
Oct.	975·73	+0·20	+0·06	-0·08	-0·13	-0·03	+0·03	+0·14	+0·22	+0·33	+0·27	+0·12	-0·08	-0·26	-0·40	-0·49	-0·49	-0·28	-0·12	+0·02	+0·11	+0·14	+0·17	+0·26	+0·25
Nov.	973·41	+0·20	+0·09	-0·09	-0·20	-0·30	-0·38	-0·30	-0·18	-0·02	+0·07	0·00	-0·12	-0·23	-0·29	-0·32	-0·17	-0·04	+0·04	+0·14	+0·31	+0·51	+0·49	+0·46	+0·32
Dec.	973·07	+0·01	+0·08	+0·11	+0·05	-0·03	-0·04	+0·11	+0·36	+0·57	+0·67	+0·52	+0·16	-0·19	-0·41	-0·40	-0·41	-0·45	-0·39	-0·27	-0·13	-0·05	0·00	+0·06	+0·09
Year	982·46	+0·15	+0·02	-0·12	-0·22	-0·22	-0·16	-0·04	+0·06	+0·18	+0·17	+0·10	-0·01	-0·12	-0·23	-0·29	-0·30	-0·25	-0·13	+0·03	+0·19	+0·30	+0·34	+0·32	+0·24

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 1935

Month	Jan.		Feb.		Mar.		Apr.		May		June	
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	993·6	985·9	984·8	970·7	969·4	959·1	987·4	980·2	994·3	992·0	987·8	982·9
2	003·6	993·5	986·5	969·1	985·1	969·4	990·7	987·4	992·5	988·4	982·9	975·9
3	003·5	993·3	986·5	976·6	990·3	983·8	991·9	982·0	988·4	984·9	976·8	974·6
4	995·6	992·1	983·2	978·0	995·3	990·3	982·0	974·2	989·7	986·5	976·8	972·4
5	994·8	987·2	980·6	971·9	998·3	991·2	974·7	969·4	996·0	989·3	973·3	970·4
6	991·0	987·6	000·2	975·2	004·8	998·0	977·8	971·3	001·3	996·0	975·1	968·2
7	996·3	990·9	001·8	000·0	009·5	004·8	976·3	966·1	005·4	001·0	968·3	960·8
8	996·7	995·4	000·8	997·4	012·7	009·1	972·2	965·6	006·1	002·9	987·4	965·4
9	996·9	995·1	997·7	993·1	013·5	007·2	969·4	960·6	004·3	001·6	988·8	984·7
10	995·1	989·6	993·8	989·6	007·2	003·4	961·1	950·9	001·8	998·0	984·8	972·2
11	989·6	970·6	989·6	977·2	011·5	004·9	976·3	953·2	998·7	995·1	972·6	964·6
12	983·6	972·1	977·8	971·5	011·9	006·7	985·2	975·9	998·1	996·6	976·5	968·7
13	984·1	978·6	973·6	962·9	006·7	998·2	985·5	977·4	997·9	987·3	980·7	974·9
14	996·2	979·9	979·9	963·0	998·2	987·6	980·7	974·7	999·5	990·8	979·9	975·3
15	004·7	996·0	980·1	962·8	987·6	976·3	980·9	972·3	999·1	986·9	975·8	974·3
16	009·8	003·4	973·3	954·6	976·3	970·5	972·3	954·5	994·1	982·2	976·2	973·8
17	012·6	009·6	984·8	973·3	984·4	971·6	963·5	953·5	958·8	980·5	983·0	976·2
18	014·1	012·4	983·1	971·5	986·7	984·3	973·3	963·4	985·9	983·3	989·9	981·1
19	013·0	011·8	972·8	966·8	986·2	982·1	978·2	972·7	985·0	981·0	990·6	983·7
20	013·1	012·3	966·8	951·2	986·6	979·4	977·8	970·6	996·2	985·0	983·9	980·2
21	012·7	009·6	952·5	948·9	986·4	980·1	972·2	968·9	999·5	996·2	988·9	981·5
22	009·8	003·4	951·5	944·6	980·1	969·7	981·6	972·2	999·3	996·7	991·4	987·7
23	003·6	998·8	959·0	944·6	977·4	968·8	994·2	981·6	997·0	995·2	993·2	991·4
24	999·6	967·3	959·0	945·5	992·3	977·3	995·6	994·0	998·1	996·6	992·6	988·8
25	967·3	948·5	967·7	944·2	990·6	987·3	998·0	995·2	998·3	996·9	989·6	984·2
26	989·2	956·6	974·0	967·7	992·8	988·9	998·0	996·3	997·1	994·8	984·2	982·1
27	999·1	989·2	968·3	954·3	000·8	992·6	998·8	996·9	996·2	992·4	991·4	982·1
28	999·0	995·2	959·1	952·9	000·7	996·1	999·0	997·7	994·5	991·9	001·3	991·3
29	998·0	994·7			001·4	995·8	998·5	994·8	993·0	987·5	001·3	993·2
30	994·7	985·3			998·8	987·8	994·8	991·8	988·5	985·8	994·3	992·1
31	987·6	984·6			987·9	981·8			988·1	986·8		
Mean	998·34	990·02	978·17	967·11	994·56	987·23	982·93	975·51	995·80	991·29	984·64	978·49

Month	July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	992·3	985·7	992·9	991·0	981·7	973·1	972·2	958·9	980·6	963·7	947·2	939·2
2	989·5	984·3	995·1	992·8	978·4	966·6	971·2	951·3	983·0	975·7	954·2	946·7
3	993·0	986·6	995·2	994·2	978·5	976·9	961·1	949·6	983·1	972·8	958·9	954·1
4	989·5	985·2	994·9	993·2	976·9	974·9	964·4	961·1	973·8	972·4	966·5	958·8
5	991·4	985·2	999·4	994·7	982·5	976·7	970·4	963·1	973·3	969·5	977·3	966·4
6	995·1	990·8	000·5	999·3	993·1	982·5	982·7	970·4	974·8	972·6	980·4	974·0
7	996·5	994·9	999·5	990·0	997·2	993·1	983·2	973·1	974·6	969·3	981·2	974·7
8	996·0	991·1	990·0	985·5	996·8	993·8	973·1	966·8	969·4	964·7	982·1	973·9
9	991·1	987·7	988·4	985·1	995·9	993·6	971·2	957·3	967·6	960·8	006·2	982·0
10	994·1	987·7	987·6	984·3	995·9	990·4	972·9	956·6	975·3	967·5	011·9	006·1
11	997·2	994·1	984·3	980·0	990·4	982·1	983·9	972·8	975·6	965·7	011·5	005·9
12	997·1	992·5	988·1	979·6	982·1	971·1	990·4	983·8	970·9	960·6	005·9	002·5
13	994·6	992·4	988·2	986·2	976·2	970·4	991·9	982·4	972·8	970·0	002·5	994·0
14	997·3	994·5	989·5	985·9	974·3	968·7	992·9	983·1	973·8	967·3	994·0	974·4
15	996·8	990·8	991·2	989·3	973·8	959·7	992·3	985·7	973·5	966·9	974·4	958·5
16	990·8	985·3	991·1	989·4	962·4	945·5	994·1	986·3	969·1	967·0	974·1	959·5
17	985·3	982·6	989·7	987·7	963·4	941·9	993·9	985·3	967·5	961·1	981·8	973·6
18	982·6	977·0	988·4	987·0	973·6	963·0	992·1	961·7	972·8	962·0	984·2	981·3
19	977·9	968·4	990·9	987·5	972·0	954·3	968·7	950·8	974·5	972·3	981·7	980·2
20	982·2	967·9	992·3	988·8	991·2	971·9	985·1	968·6	979·4	973·7	980·4	978·5
21	992·0	982·2	988·8	981·7	993·2	985·4	985·1	978·5	986·3	979·2	979·5	975·1
22	994·9	992·0	987·0	981·9	985·4	976·9	985·6	982·7	988·8	985·7	978·5	974·0
23	995·2	993·5	984·9	982·5	986·3	979·6	982·7	974·6	990·3	988·6	978·5	973·5
24	999·2	995·2	988·9	984·1	986·2	976·2	986·1	975·4	991·3	989·5	973·5	958·3
25	998·8	993·4	991·5	985·0	989·9	979·3	990·9	985·9	991·1	976·4	958·5	950·5
26	993·4	987·6	985·0	967·4	989·8	978·2	990·8	983·1	976·4	971·7	951·5	946·2
27	987·6	980·2	969·2	966·1	982·1	977·7	984·1	972·3	980·5	971·0	955·6	947·0
28	988·8	982·7	970·9	969·0	981·3	972·5	986·1	974·1	972·0	961·6	966·4	955·6
29	994·2	988·5	975·5	970·0	981·1	968·8	980·6	969·7	972·1	966·1	970·2	960·3
30	995·5	994·0	974·7	972·7	968·8	962·5	973·2	952·9	966·1	943·7	960·3	956·3
31	995·4	992·5	980·7	973·7			963·7	954·9			960·7	955·3
Mean	992·43	987·29	988·20	984·05	982·68	973·58	981·18	970·09	976·68	969·64	977·08	968·92

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

†See page 23

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, 1935

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	78·5	79·1	79·3	79·9	80·3	80·1	79·8	79·8	79·6	79·7	80·0	80·2	80·5	80·8	81·0	81·3	82·3	82·0	81·6	82·0	82·5	82·6	82·2	82·6	80·7
2	82·7	82·8	83·1	82·9	83·1	83·1	83·2	83·4	83·6	83·5	83·7	83·7	83·7	83·8	83·6	83·4	82·9	83·0	83·0	82·3	81·8	82·6	82·6	82·6	83·1
3	83·3	82·6	82·8	82·6	82·2	81·8	81·6	81·3	81·0	80·7	80·6	80·6	80·6	80·6	80·5	80·4	80·5	80·4	81·6	80·3	80·6	80·7	80·4	79·7	81·2
4	78·9	79·0	78·4	78·5	78·8	78·3	78·3	78·2	78·0	78·6	79·3	79·8	80·0	80·0	79·3	78·6	78·0	77·6	75·8	75·5	75·4	75·1	75·0	75·2	78·0
5	74·6	75·5	73·9	75·0	75·3	74·1	75·0	75·2	75·7	76·1	76·5	76·7	76·7	76·7	75·6	73·8	72·9	74·3	74·6	73·8	73·9	73·6	73·0	73·6	74·9
6	73·3	74·0	74·3	74·3	74·5	74·7	75·0	74·8	75·2	75·9	76·1	76·5	76·4	76·0	76·0	76·0	75·9	74·4	75·2	75·2	74·6	74·3	74·3	74·0	75·0
7	73·6	73·5	73·6	73·6	73·6	73·4	73·0	72·9	72·8	73·4	74·2	74·6	74·9	74·9	75·0	74·1	73·5	73·4	73·1	73·8	72·6	73·0	73·2	73·3	73·6
8	72·2	71·7	71·0	71·6	72·4	72·0	71·4	72·0	71·1	71·2	72·2	73·2	74·0	73·7	72·9	71·6	71·4	70·6	69·3	69·1	68·4	67·8	67·4	67·5	71·2
9	67·8	68·4	69·4	69·8	70·0	70·2	70·4	70·6	70·9	71·2	72·0	72·2	72·5	72·7	72·6	72·6	72·9	73·0	73·3	73·3	73·6	73·8	73·8	74·6	71·6
10	76·0	77·0	77·4	77·4	77·7	78·0	77·8	78·1	78·3	78·4	78·5	78·7	79·1	79·0	79·2	79·3	79·4	79·5	79·6	79·6	79·3	78·9	78·7	78·3	78·4
11	78·3	78·3	78·6	78·6	78·6	78·6	78·8	79·0	79·4	79·4	79·1	79·2	78·1	76·9	76·4	76·1	75·6	74·2	74·4	74·1	73·7	73·7	72·9	72·9	77·0
12	72·9	72·9	72·3	71·9	72·0	72·5	72·6	72·6	72·5	72·7	73·0	73·3	73·4	73·2	72·7	72·6	71·5	71·8	70·5	70·6	70·4	71·2	71·4	71·8	72·2
13	71·0	69·2	68·6	67·6	68·2	68·3	68·4	68·3	68·5	69·4	70·3	70·4	70·4	71·7	71·4	71·3	71·8	72·2	72·3	72·8	73·4	73·7	74·9	77·3	70·8
14	78·0	77·1	78·5	78·5	79·6	80·2	80·2	80·2	80·4	80·9	81·8	81·9	82·0	82·6	81·8	81·2	80·5	80·1	80·0	80·7	80·4	80·2	80·3	80·3	80·2
15	80·7	80·1	80·7	80·6	81·4	81·6	80·4	77·8	77·4	77·8	78·9	79·3	80·0	80·6	80·8	79·0	78·0	78·0	77·9	78·0	78·3	78·7	78·7	78·4	79·3
16	78·0	78·0	78·0	78·3	78·3	78·9	78·8	78·6	78·6	78·6	78·9	79·2	78·8	79·3	79·3	79·1	79·1	78·6	76·5	76·7	75·0	75·4	77·0	76·3	78·1
17	75·6	75·7	75·0	74·5	74·6	72·8	72·1	71·4	71·7	72·4	74·4	76·6	78·2	78·3	78·2	77·7	77·6	77·4	77·4	77·4	77·4	77·5	77·6	77·7	75·8
18	77·6	77·6	77·5	77·6	77·4	77·5	77·5	77·5	77·6	77·6	77·7	77·6	77·4	77·2	77·1	76·8	76·6	76·3	75·8	75·6	76·0	76·2	76·2	76·1	77·0
19	76·0	75·9	75·8	75·7	75·6	75·7	75·7	75·6	75·9	76·3	76·3	76·4	76·4	76·3	76·5	76·2	76·1	76·1	76·0	76·0	76·0	75·9	75·8	75·6	76·0
20	75·5	75·2	75·0	74·4	74·1	74·0	74·4	74·6	74·6	74·7	74·9	75·2	75·6	76·0	75·8	75·9	76·1	75·9	76·3	76·0	75·6	75·4	75·8	75·9	75·3
21	75·7	75·7	75·5	75·0	74·6	73·8	73·6	73·6	73·6	74·2	76·3	77·9	78·8	79·8	79·1	77·8	77·2	75·4	74·6	73·8	73·0	72·9	72·2	71·3	75·3
22	72·1	77·5	75·2	73·5	72·5	72·7	73·0	73·2	73·4	73·9	74·5	74·9	77·2	78·9	79·2	78·3	78·0	77·3	77·7	77·2	78·3	78·6	78·8	78·9	75·9
23	78·9	79·2	79·5	79·6	79·4	79·0	79·7	80·0	80·7	80·9	81·6	82·3	80·8	80·1	79·5	79·1	79·0	79·0	79·1	78·8	78·8	78·7	78·6	78·7	79·6
24	78·6	78·3	77·7	77·8	79·8	80·0	79·9	79·8	79·3	79·2	79·3	79·6	80·0	81·4	81·8	81·6	81·2	81·2	81·6	82·3	82·2	82·4	81·8	81·1	80·3
25	80·4	79·0	77·4	76·7	75·7	74·3	73·4	74·2	73·1	73·2	72·6	72·1	73·1	72·9	72·7	73·0	72·4	72·2	73·0	72·9	74·0	75·0	75·6	75·5	74·5
26	74·2	73·9	73·8	74·6	74·6	74·1	74·4	74·5	74·3	74·7	74·9	74·9	74·8	74·6	73·4	73·9	73·5	73·3	72·8	72·3	72·3	72·4	72·4	72·4	73·9
27	72·2	72·0	71·7	71·8	71·4	71·1	71·4	71·2	71·5	72·2	72·5	73·0	73·1	73·3	73·0	72·3	71·3	71·0	71·3	71·0	71·2	70·5	69·3	67·5	71·6
28	65·5	66·6	67·0	67·0	66·6	66·5	66·8	67·3	67·9	69·1	70·4	71·9	71·9	72·3	72·2	72·0	72·1	72·2	73·0	72·7	73·1	73·2	73·2	73·2	70·0
29	73·7	74·6	74·4	75·6	75·9	76·1	75·8	75·7	75·8	75·2	77·2	76·6	77·7	78·1	77·8	75·7	73·4	71·7	70·5	70·3	69·5	69·7	71·8	72·3	74·4
30	73·0	73·9	74·7	74·0	74·6	74·4	74·4	74·4	74·7	75·2	75·0	75·7	76·0	78·6	79·3	79·7	78·6	79·4	78·6	78·3	77·8	77·1	77·3	77·1	76·2
31	76·4	76·5	76·6	76·4	76·2	76·1	76·0	76·5	76·5	77·4	78·6	78·9	78·7	78·3	78·4	77·5	77·4	77·2	76·9	77·6	77·6	77·4	77·3	77·5	77·2
Mean	75·7	75·8	75·7	75·7	75·8	75·6	75·6	75·6	75·6	75·9	76·5	76·9	77·1	77·4	77·2	76·7	76·3	76·1	75·9	75·8	75·7	75·7	75·8	75·8	76·1

183. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres FEBRUARY, 1935

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
	°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	78·1	78·0	77·9	77·7	77·2	77·2	77·4	78·4	79·3	81·2	81·7	82·0	82·2	82·3	82·6	82·6	82·8	82·5	82·6	82·9	82·8	82·5	82·2	82·4	80·6
2	82·8	82·5	82·1	80·6	80·1	79·2	78·3	78·2	76·7	77·4	77·6	77·2	76·7	77·9	77·1	76·5	75·6	75·8	75·2	75·2	75·0	75·0	73·4	72·5	77·7
3	71·2	70·2	71·3	71·7	72·2	73·8	74·3	74·3	75·4	75·8	76·3	76·8	77·0	77·1	77·5	77·7	77·5	77·2	76·9	76·4	76·7	76·6	76·5	76·5	75·2
4	76·4	76·7	76·7	75·5	75·8	76·0	75·8	76·0	75·9	76·3	76·8	77·4	78·0	77·7	77·9	77·6	77·3	77·3	76·7	75·6	74·9	75·1	75·0	74·9	76·4
5	75·3	75·0	75·7	75·5	75·6	75·7	75·5	75·1	75·5	76·6	75·3	74·5	74·1	73·6	73·9	74·0	73·7	73·6	73·5	73·3	73·2	73·2	73·9	74·2	74·6
6	74·4	74·6	74·4	75·0	75·0	74·4	74·3	74·0	74·1	74·7	75·7	75·1	75·3	75·3	76·0	74·7	73·8	72·6	72·3	70·9	70·6	70·1	70·5	70·6	73·8
7	71·2	71·4	71·3	71·4	71·3	69·6	68·2	67·0	69·1	70·6	73·0	75·0	76·0	75·6	74·7	75·0	72·6	71·2	71·1	70·8	71·2	71·2	71·1	71·5	71·7
8	72·3	72·6	72·3	71·4	71·0	71·6	71·4	71·4	71·7	72·2	73·2	75·0	75·8	76·4	76·6	75·8	75·0	74·6	73·8	73·6	73·5	73·6	73·3	72·5	73·3
9	72·6	72·8	73·1	73·1	73·2	73·3	73·3	73·6	74·0	75·0	76·7	77·8	77·7	77·8	77·7	77·6	77·0	77·4	75·7	74·2	74·2	74·0	75·6	77·0	75·1
10	76·1	75·6	75·1	75·0	74·8	74·6	74·7	74·7	75·0	75·4	76·6	78·3	78·3	78·2	77·7	77·4	77·0	77·2	77·2	77·2	77·2	77·2	77·4	77·6	76·5
11	77·7	77·7	77·9	78·4	79·0	79·4	79·6	79·4	79·8	80·0	79·4	79·3	79·6	79·2	78·8	78·6	78·6	78·7	78·6	78·8	78·9	78·9	78·9	79·2	78·9
12	79·3	79·2	79·6	80·1	80·0	79·8	79·6	79·5	79·3	79·5	79·6	79·9	80·0	79·6	79·5	79·3	78·8	77·3	76·5	74·4	75·3	76·6	77·4	77·9	78·7
13	77·9	77·8	77·9	79·3	79·3	79·3	79·3	79·4	79·6	79·6	80·2	80·7	80·5	80·4	80·3	79·9	79·2	78·8	78·6	78·7	79·5	79·5	79·4	80·0	79·3
14	79·1	78·7	77·6	77·4	76·7	77·4	77·7	77·0	76·3	78·3	78·5	78·9	79·1	79·1	79·4	78·0	77·4	77·2	76·7	76·2	76·6	76·6	77·3	77·7	77·7
15	77·1	76·8	77·1	77·1	77·6	77·7	78·0	78·3	78·7	79·0	78·7	79·0	79·3	80·0	80·6	81·3	82·3	83·6	83·6	83·1	82·2	82·1	81·0	81·0	79·7
16	80·7	80·4	80·5	82·0	83·0	83·3	83·3	82·8	82·8	82·3	82·4	82·8	82·9	82·3	80·4	80·5	80·1	77·2	77·8	77·3	76·4	76·5	76·0	76·3	80·5
17	76·7	76·8	77·4	77·7	77·8	77·8	77·4	77·3	77·7	78·2	78·6	78·9	79·3	79·8	80·0	80·4	80·2	80·0	80·0	79·8	80·0	80·0	80·2	80·2	78·8
18	80·2	79·9	79·8	79·4	79·4	79·4	79·4	79·6	79·3	79·3	79·4	80·0	80·5	80·2	80·2	80·4	80·5	80·6	80·6	80·6	80·8	80·8	80·9	81·7	80·1
19	81·5	81·6	81·0	80·9	80·4	80·3	80·0	80·0	80·0	80·6	81·0	80·6	80·6	81·0	81·0	80·9	78·1	77·9	78·0	78·0	78·0	78·6	79·4	80·0	80·0
20	80·0	79·9	79·9	80·0	79·8	79·4	79·4	80·0	80·1	80·6	80·7	80·7	80·7	81·0	80·9	81·0	80·4	80·0	79·1	78·7	78·7	78·9	78·9	78·4	79·9
21	78·3	78·4	78·2	78·0	77·8	77·6	77·6	77·3	77·6	77·7	78·0	78·4	78·4	77·7	78·9	78·7	77·9	77·2	76·8	75·1	75·4	74·6	74·8	75·0	77·4
22	74·8	74·2	73·1	72·6	71·9	72·3	71·4	72·4	73·0	73·8	75·7	76·9	77·5	77·2	76·3	75·9	75·9	75·3	74·5	73·3	73·2	72·1	72·2	72·4	74·1
23	72·6	72·5	74·2	74·1	73·7	72·8	72·2	72·4	73·0	73·0	73·3	73·8	74·1	74·6	74·6	74·0	71·3	69·1	67·3	65·9	65·4	64·7	64·3	63·5	71·3
24	65·2	66·4	67·4	68·3	68·9	69·0	69·8	70·3	71·4	71·7	71·5	72·1	72·8	73·4	75·0	74·1	73·4	73·8	73·7	74·0	74·2	74·6	74·7	74·7	71·5
25	74·4	75·0	74·0	73·8	73·6	73·4	73·3	73·2	72·3	72·3	72·7	72·8	73·6	73·0	73·7	73·6	72·4	71·6	71·5	71·3	70·6	69·7	69·0	68·4	72·6
26	68·4	67·7	67·3	65·7	64·1	63·6	62·5	63·7	70·9	72·3	74·1	74·6	75·1	78·3	75·7	74·6	74·4	73·8	73·2	72·2	71·7	72·2	72·6	73·0	70·7
27	74·1	73·7	73·9	74·4	74·7	75·3	75·0	74·4	72·9	73·8	73·2	73·2	73·6	73·7	73·8	74·0	74·0	74·3	74·3	74·6	74·7	75·0	75·2	75·1	74·2
28	75·1	75·0	75·3	75·0	75·3	75·9	75·7	75·6	75·9	76·2	77·0	77·4	77·9	78·4	77·8	77·6	77·1	76·6	76·3	76·2	76·1	76·1	76·0	75·7	76·3
Mean	75·8	75·8	75·8	75·8	75·7	75·7	75·5	75·5	76·0	76·5	77·0	77·5	77·7	77·8	77·8	77·6	76·9	76·5	76·1	75·7	75·6	75·6	75·6	75·7	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 printed 75·0.

184. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres MARCH, 1935

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

185. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres APRIL, 1935

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

186. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — MAY, 1935

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	78·6	78·5	78·6	78·7	78·6	78·6	79·2	80·6	80·2	81·4	83·5	83·7	84·6	85·8	85·4	85·0	85·2	83·4	81·5	79·4	78·2	77·6	77·9	78·3	80·9
2	78·8	79·0	79·0	78·9	79·0	79·2	79·7	80·2	80·3	81·9	82·6	83·6	83·6	83·5	84·5	85·0	85·8	85·3	83·7	80·9	79·2	78·7	78·7	78·4	81·2
3	79·5	79·9	79·1	78·2	78·9	79·7	81·4	84·3	86·8	88·2	88·9	89·4	88·7	89·8	89·4	89·8	89·2	87·6	86·0	85·1	84·2	81·0	82·2	80·6	84·5
4	79·4	79·0	77·6	77·1	76·5	79·0	83·2	85·6	88·1	90·5	91·2	90·8	90·8	91·0	90·8	90·0	89·1	87·5	86·1	83·9	83·4	82·1	80·6	79·2	84·7
5	78·2	79·2	79·7	78·5	79·2	80·0	83·3	85·5	87·5	89·7	90·3	91·2	91·6	92·3	92·6	92·5	92·1	91·8	89·0	87·2	83·0	82·8	82·4	81·6	85·8
6	81·4	80·6	80·7	80·2	79·9	79·5	83·8	85·4	88·0	89·6	90·2	89·6	90·6	90·8	91·0	90·2	88·6	88·3	86·6	85·4	84·1	83·1	82·4	81·3	85·5
7	81·4	81·4	80·6	80·4	80·6	81·5	82·1	81·8	82·4	84·8	85·8	86·0	86·8	87·2	87·2	87·0	86·3	85·3	83·0	80·5	79·0	78·8	77·6	77·0	82·8
8	75·3	75·4	75·3	77·8	77·9	78·3	79·1	80·8	83·0	85·2	87·7	88·7	90·0	90·5	90·7	89·5	89·4	88·2	87·0	83·3	81·2	79·0	78·7	78·2	82·9
9	77·4	76·7	77·6	78·6	78·7	79·2	79·6	79·3	80·0	80·8	82·5	83·3	83·8	84·3	84·8	84·1	83·2	82·5	81·4	80·5	79·6	79·0	79·0	78·8	80·6
10	78·7	78·5	78·2	77·9	78·0	77·9	78·4	78·9	79·7	80·6	82·2	84·3	83·8	84·3	84·5	83·3	82·7	82·3	81·4	80·0	79·1	79·0	79·3	78·5	80·5
11	78·2	78·2	78·1	78·2	78·0	79·0	80·8	83·3	86·3	87·5	88·6	89·6	90·4	89·6	89·7	89·5	88·1	86·2	83·8	82·2	81·8	81·2	80·8	80·1	83·7
12	79·5	79·0	78·8	78·4	77·6	78·1	79·2	78·9	81·6	82·2	82·0	81·9	82·2	81·2	81·4	81·0	80·2	78·9	78·4	77·5	77·2	76·7	74·6	73·2	79·3
13	73·4	72·7	72·3	70·8	70·6	72·5	76·2	77·4	79·2	80·7	81·0	81·6	83·0	83·6	83·7	83·3	81·4	79·2	79·0	78·9	75·5	73·3	73·4	73·5	77·3
14	73·3	73·5	73·2	73·0	73·0	74·2	76·2	76·8	77·9	79·1	78·6	80·6	81·3	81·8	81·4	80·9	79·9	79·7	78·5	75·8	73·0	71·6	71·8	72·0	76·3
15	70·6	70·0	68·3	67·2	68·1	69·1	71·8	77·4	77·4	78·0	75·0	76·5	76·2	75·8	76·6	76·8	77·1	77·3	76·5	76·4	75·7	75·4	74·7	74·5	74·2
16	74·1	73·5	73·0	71·8	72·2	74·3	75·0	75·8	76·1	76·3	78·7	78·1	79·9	79·6	81·1	80·3	78·8	78·2	76·4	75·4	76·0	75·7	75·0	74·0	76·2
17	72·4	71·9	71·6	71·0	71·5	72·6	73·4	74·2	74·9	76·0	78·0	79·1	78·1	76·4	77·8	77·6	78·3	78·0	76·4	76·3	76·6	76·3	75·6	75·4	75·4
18	75·0	74·7	73·8	73·5	74·3	76·6	77·9	78·6	79·9	80·4	81·3	81·7	81·9	82·7	83·1	82·5	81·0	78·6	77·9	76·4	75·6	75·6	74·3	73·6	78·0
19	72·5	72·0	72·0	72·7	74·2	76·9	78·8	79·5	80·9	81·7	82·6	83·0	84·5	83·9	83·7	83·1	82·3	81·5	79·8	78·1	76·3	75·0	74·9	74·0	78·5
20	74·0	73·7	73·5	72·8	73·4	76·0	78·9	80·7	81·6	83·1	84·3	85·0	85·4	85·0	85·0	85·6	85·0	84·2	82·8	80·6	78·5	78·8	78·5	78·6	80·1
21	78·6	78·7	78·5	77·9	77·7	79·1	79·7	81·3	82·6	83·4	84·9	85·2	85·8	85·2	86·1	86·0	85·3	85·2	82·3	80·5	79·0	76·4	75·8	74·7	81·3
22	75·3	75·1	75·0	73·7	74·9	77·9	81·7	83·3	84·5	86·0	87·1	87·1	86·2	85·6	85·8	85·0	84·5	83·6	83·0	81·2	79·5	79·8	79·8	79·3	81·4
23	79·8	79·1	78·6	79·2	79·6	80·0	80·5	83·1	84·3	84·9	84·3	84·7	84·4	85·8	84·7	84·5	84·4	83·3	81·9	80·3	78·3	77·3	77·6	77·4	81·6
24	77·2	75·4	77·0	76·4	76·7	77·7	79·3	80·3	80·7	82·0	83·2	85·4	85·7	85·4	85·6	86·0	84·9	83·8	81·4	80·0	79·3	79·2	79·2	78·9	80·8
25	78·9	78·9	78·7	78·6	78·9	79·2	79·4	80·0	83·1	83·1	84·3	85·9	87·0	86·7	86·5	85·9	85·2	84·3	82·6	80·2	78·7	78·8	78·4	78·6	81·7
26	78·4	78·4	78·4	78·4	78·6	78·7	78·9	79·6	82·1	83·7	85·3	86·0	86·2	86·6	86·9	87·1	86·1	84·5	83·1	79·8	78·4	77·8	77·9	78·1	81·6
27	77·9	78·0	78·2	78·5	79·0	79·1	80·0	81·4	83·3	85·0	86·3	87·2	88·3	90·0	90·3	90·1	89·6	88·0	85·9	83·0	81·3	79·6	78·4	77·8	83·2
28	77·4	77·3	76·9	76·7	78·0	80·0	82·0	84·6	87·0	88·8	88·4	91·0	91·6	91·2	91·2	90·4	89·2	88·0	86·0	82·4	80·3	79·7	79·0	78·5	84·0
29	78·0	77·9	77·4	77·5	77·8	78·4	78·6	80·4	82·9	84·1	86·6	87·6	89·0	89·5	89·4	89·3	88·1	86·5	84·6	81·6	79·9	79·1	78·8	78·4	82·6
30	78·1	77·7	77·6	77·1	77·3	77·6	78·1	78·7	79·2	80·6	81·3	82·2	82·8	84·1	85·2	85·3	85·4	84·6	83·6	80·4	78·8	79·0	77·6	76·7	80·4
31	76·3	76·7	76·7	76·3	77·0	78·0	80·4	82·2	83·3	84·9	85·6	86·2	87·5	88·1	88·0	88·1	87·5	86·4	84·5	81·8	79·3	79·0	78·1	76·6	82·0
Mean	77·0	76·8	76·6	76·3	76·6	77·7	79·2	80·6	82·1	83·4	84·3	85·0	85·5	85·7	85·9	85·6	85·0	83·9	82·4	80·5	79·0	78·3	77·8	77·3	80·9

187. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — JUNE, 1935

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
	°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	76·4	76·2	75·3	75·8	77·3	78·1	80·1	82·4	83·8	85·6	86·2	87·2	88·2	87·5	87·5	88·0	87·2	85·1	83·2	80·5	78·3	76·1	75·5	75·0	81·6
2	75·1	74·2	74·3	74·3	75·6	76·6	77·8	80·0	80·2	82·0	83·9	86·2	85·3	84·3	83·5	81·8	80·8	80·1	80·0	79·6	79·5	79·4	79·5	79·6	79·6
3	79·7	79·7	79·8	79·9	80·3	81·3	82·5	83·0	83·5	84·0	86·2	87·2	87·6	87·3	86·2	87·0	87·0	84·2	82·8	81·3	80·8	79·6	79·2	79·1	82·9
4	79·4	79·5	79·8	79·9	80·6	80·8	81·0	81·7	82·7	83·5	84·5	85·9	85·0	83·3	83·0	83·0	82·3	82·7	82·6	82·6	82·5	82·0	81·9	81·6	82·1
5	81·4	81·3	81·4	81·5	81·7	82·0	82·7	83·1	84·1	85·7	86·5	86·6	87·2	87·0	83·8	82·8	84·5	84·8	83·5	83·0	81·9	81·6	81·3	80·8	83·4
6	79·1	78·5	78·7	79·3	79·7	80·5	81·5	83·3	84·8	84·3	85·9	87·0	87·5	85·7	84·4	84·4	84·3	83·3	83·4	84·2	84·5	83·8	83·9	83·5	83·1
7	83·4	83·4	82·6	82·7	82·4	83·4	83·7	83·9	82·8	83·8	85·6	87·3	87·2	83·4	84·0	84·8	83·7	83·1	83·2	83·2	82·9	82·9	82·6	82·2	83·7
8	81·9	81·6	81·4	81·2	81·2	81·0	80·8	80·7	80·9	81·6	81·0	81·1	81·6	82·4	82·5	84·0	83·6	83·2	82·7	81·0	80·2	79·1	77·3	75·6	81·3
9	74·5	73·3	72·2	72·4	73·7	76·9	80·7	83·1	84·2	84·5	84·9	85·7	86·2	86·0	87·0	86·8	86·2	85·6	85·3	84·2	82·5	81·4	80·6	81·2	81·5
10	81·5	81·6	81·8	82·2	83·0	83·6	84·3	85·3	84·8	84·1	84·6	85·2	84·3	83·8	83·5	83·9	84·0	83·7	83·9	84·1	83·9	84·2	84·3	84·8	83·7
11	83·7	83·6	83·2	83·0	83·3	84·1	84·6	85·0	84·6	84·5	87·0	86·4	83·6	83·5	83·2	83·3	83·4	83·4	83·2	82·7	82·2	81·9	81·4	81·4	83·7
12	81·5	81·3	81·2	80·9	81·0	81·5	82·9	83·0	83·8	83·4	84·1	84·5	85·4	85·7	86·4	86·2	85·1	84·6	83·8	83·3	82·7	82·5	82·4	82·2	83·3
13	82·0	81·7	82·2	81·6	82·1	82·1	81·1	80·6	82·0	83·9	82·1	86·0	85·4	86·7	85·4	85·6	85·0	85·1	84·7	82·4	81·0	80·6	79·9	79·0	82·9
14	80·1	80·5	81·2	79·3	79·6	82·0	84·5	84·5	84·4	86·1	85·6	87·7	87·0	86·0	84·9	84·9	84·4	85·6	85·1	83·7	82·6	81·5	79·6	78·4	83·3
15	78·9	79·8	80·4	80·8	81·0	82·0	83·4	84·3	84·8	84·9	85·1	84·9	85·7	87·5	88·4	87·6	86·1	87·1	86·2	83·8	81·6	78·9	79·5	79·6	83·4
16	80·0	79·6	80·6	81·1	81·7	82·3	83·0	85·2	85·3	86·0	86·8	88·2	85·3	87·1	85·7	87·6	86·0	85·2	82·6	82·2	81·9	81·3	80·7	80·0	83·5
17	79·6	81·0	80·8	79·3	79·5	80·6	82·0	83·2	83·1	82·8	83·7	84·9	85·1	84·8	83·7	84·3	83·7	84·5	84·5	83·5	82·5	80·4	80·7	81·2	82·5
18	81·0	81·1	81·3	81·5	81·6	81·5	81·7	81·9	82·1	82·6	82·3	82·7	83·1	83·3	83·3	83·6	85·2	85·0	84·8	82·0	79·3	79·1	78·4	76·9	82·0
19	75·5	74·7	74·3	73·9	75·2	77·7	81·4	83·2	85·0	85·0	86·4	86·6	87·3	87·5	86·6	85·8	85·6	85·7	85·3	85·2	85·3	85·3	85·3	85·4	82·7
20	85·5	84·7	84·4	84·6	84·7	84·6	84·8	84·8	85·2	85·2	86·3	86·5	85·8	86·4	86·7	88·3	88·4	87·9	86·6	85·3	84·7	84·7	84·7	84·8	85·7
21	84·6	85·0	85·6	85·8	86·3	86·3	86·7	87·5	87·2	86·7	86·5	86·0	85·8	85·8	85·8	85·7	85·7	85·6	85·7	85·8	86·0	86·3	86·3	86·3	86·0
22	86·3	86·3	86·2	86·3	86·7	88·6	89·4	89·3	91·5	93·1	94·3	95·1	96·5	97·5	97·2	96·9	97·0	95·0	94·0	92·6	91·5	89·9	88·6	88·2	91·5
23	89·0	89·6	90·0	89·9	90·2	90·6	91·4	92·7	93·9	95·1	96·6	97·0	98·2	97·7	98·2	98·7	99·0	96·3	95·0	93·5	92·2	92·2	91·1	89·8	93·6
24	89·2	89·3	88·7	87·5	87·9	88·6	89·3	90·0	91·8	93·1	95·3	94·0	94·9	95·4	95·2	95·2	95·9	95·8	95·0	92·1	89·7	88·2	87·7	87·1	91·6
25	87·2	86·8	86·7	86·2	86·2	86·6	87·7	88·6	91·1	91·3	91·1	91·0	90·8	91·3	90·5	90·7	92·0	91·5	89·9	89·3	88·5	87·7	87·1	86·6	89·0
26	86·2	86·7	86·6	86·1	86·6	86·8	86·6	87·4	87·8	88·0	87·6	88·1	87·4	86·6	87·1	88·6	89·2	88·6	88·4	87·6	87·0	86·9	86·5	86·2	87·3
27	86·0	85·8	85·6	85·7	85·7	85·8	86·0	86·2	86·2	86·4	86·4	86·2	86·2	86·6	86·5	86·3	86·2	85·8	85·4	85·3	84·9	84·7	85·1	85·0	85·9
28	85·3	85·5	85·4	85·6	85·6	86·2	86·3	87·0	88·0	89·0	90·4	89·8	90·0	92·0	91·2	91·6	89·8	89·7	88·6	86·8	86·3	86·4	86·4	86·4	87·9
29	86·3	86·1	85·8	85·4	85·4	87·2	88·1	88·7	89·8	91·0	92·2	93·0	93·4	93·4	94·0	93·8	93·7	93·5	92·6	90·0	88·0	86·0	85·4	86·0	89·5
30	86·4	86·8	86·8	86·8	87·0	87·1	87·2	87·2	87·4	87·2	87·7	87·6	89·5	90·4	92·0	91·2	90·6	91·0	90·4	88·7	87·3	85·1	85·3	86·1	88·0
Mean	82·2	82·2	82·1	82·0	82·4	83·2	84·1	84·9	85·6	86·1	86·9	87·5	87·5	87·5	87·3	87·4	87·2	86·8	86·1	85·0	84·1	83·3	82·9	82·7	84·9
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

188. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — JULY, 1935

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	86·8	87·0	86·7	86·4	86·1	86·2	86·6	86·8	86·8	87·1	87·3	87·6	88·4	88·6	87·8	86·6	85·5	85·4	85·7	85·8	85·8	85·8	85·8	85·6	86·6
2	85·7	85·7	85·6	85·6	85·6	86·6	87·6	88·7	89·2	90·5	90·0	91·6	91·4	91·4	91·1	90·4	88·8	88·5	88·0	88·1	86·9	86·7	86·5	86·4	88·2
3	86·3	85·4	84·0	82·8	83·8	84·4	85·2	86·1	87·0	88·0	87·7	88·7	89·0	88·7	88·5	86·0	85·2	85·0	85·4	85·6	85·9	86·4	87·0	87·1	86·2
4	87·1	87·2	87·2	87·1	87·0	86·5	86·4	87·0	87·1	87·0	88·3	89·9	87·8	87·4	85·8	86·2	86·6	87·0	86·6	86·6	86·4	86·4	86·5	86·6	87·0
5	86·6	86·6	86·5	86·5	86·5	86·5	86·5	87·7	87·5	88·4	88·4	88·4	87·8	87·2	87·6	87·8	87·4	86·1	86·3	84·4	83·8	83·6	83·6	83·2	86·5
6	83·0	83·3	83·6	83·8	83·8	83·8	84·1	85·0	86·1	86·0	87·0	88·2	88·5	88·6	88·6	88·6	90·0	89·2	88·0	85·9	84·6	83·3	82·1	80·1	85·7
7	78·8	78·4	77·5	78·0	79·3	83·4	87·0	88·4	89·4	90·1	91·7	92·0	92·9	92·6	93·0	93·8	93·5	93·0	93·0	89·3	87·0	84·4	84·0	83·2	87·2
8	82·6	83·0	82·0	81·4	82·0	84·0	88·0	90·1	91·9	93·4	94·2	95·1	94·8	94·7	95·1	95·3	95·3	94·4	92·8	89·2	87·5	85·4	83·7	82·5	89·1
9	82·0	81·6	80·5	80·3	80·8	83·0	86·8	89·1	91·0	92·0	92·6	93·0	93·7	94·0	94·0	93·9	93·0	92·2	91·3	89·4	87·0	86·0	85·6	84·7	88·2
10	83·7	82·3	81·9	83·8	85·2	87·6	86·8	87·7	88·0	88·6	88·6	88·5	88·9	88·7	88·9	88·3	89·0	89·5	90·3	88·0	85·3	82·7	81·7	80·3	86·5
11	79·1	79·0	78·3	77·9	79·8	82·9	86·8	87·7	90·2	90·7	91·5	92·2	92·7	93·7	93·8	93·7	94·0	94·0	91·5	88·2	87·3	85·3	85·1	84·0	87·4
12	83·2	82·9	82·5	83·0	83·0	83·5	87·0	88·8	90·7	92·8	94·1	95·0	95·6	96·4	96·9	96·7	96·0	96·6	94·6	93·2	91·9	90·3	89·4	88·5	90·4
13	88·7	87·9	87·0	87·2	88·0	89·0	90·0	90·7	93·0	93·5	94·8	94·7	95·3	95·8	95·8	95·4	94·8	92·7	91·3	89·4	86·7	85·2	83·2	82·0	90·6
14	81·6	81·6	81·5	83·7	84·0	85·8	87·5	88·6	89·1	89·1	90·3	89·2	88·2	87·5	87·1	86·8	86·0	85·7	85·9	85·6	85·2	85·1	85·0	84·8	86·0
15	84·7	84·6	84·4	83·9	85·0	86·0	87·2	88·6	90·1	90·7	91·6	92·5	92·5	92·8	93·1	91·2	92·6	90·0	88·9	87·4	86·3	85·1	85·0	84·3	88·3
16	84·5	84·9	85·0	85·2	84·7	85·0	85·7	85·7	87·2	88·0	87·5	87·0	87·4	87·6	87·3	87·5	88·1	88·2	88·0	87·5	87·2	86·7	86·3	85·6	86·5
17	85·2	84·7	84·3	83·7	83·6	84·6	85·0	85·3	84·5	85·0	84·9	85·7	87·8	87·7	87·5	88·7	88·2	87·7	86·0	83·6	82·8	82·7	82·3	82·0	85·2
18	81·9	82·1	82·4	81·8	81·8	83·0	84·0	85·5	85·7	86·7	86·8	87·9	84·9	85·4	85·5	83·7	86·1	86·7	84·1	83·7	82·5	80·1	80·1	80·5	83·9
19	79·5	79·8	78·8	79·2	79·2	80·2	81·9	84·8	84·6	84·9	86·0	86·8	87·1	86·5	85·7	84·0	84·0	84·1	84·3	84·6	85·3	85·6	85·6	85·6	83·6
20	85·5	85·5	85·4	85·3	85·2	85·5	85·8	86·4	86·6	84·9	86·5	86·7	87·5	87·9	88·2	87·4	87·0	87·0	84·7	83·8	83·2	83·0	83·0	82·9	85·7
21	82·8	82·9	82·7	82·3	82·8	83·7	84·0	85·9	85·7	86·4	87·8	87·8	87·4	87·5	87·6	88·0	89·1	88·2	87·5	84·0	80·4	80·5	79·0	79·5	84·8
22	79·8	79·6	80·0	80·6	81·5	82·2	85·4	85·6	86·1	86·9	87·7	87·8	88·3	89·6	91·8	90·4	90·7	91·1	90·6	88·9	88·7	87·9	87·8	87·6	86·4
23	87·4	86·1	86·4	86·1	87·2	88·1	89·0	91·5	92·4	94·1	94·0	93·3	93·6	93·2	93·1	92·0	91·9	90·7	89·7	89·3	88·5	88·2	87·6	87·4	90·0
24	86·9	85·0	83·9	83·2	83·5	84·9	86·7	87·7	88·6	89·8	90·8	91·7	92·0	92·2	92·6	92·1	92·3	91·0	88·7	86·7	85·6	83·8	81·7	79·8	87·7
25	79·0	77·6	77·0	76·7	77·0	80·3	84·1	87·2	88·6	88·7	90·6	90·6	89·8	90·0	88·9	87·1	87·3	86·7	86·8	86·0	85·5	85·1	85·3	85·6	84·9
26	85·0	85·2	85·3	85·3	85·4	86·0	87·0	86·8	87·1	88·0	88·6	90·4	90·2	90·6	91·4	89·7	88·1	87·3	87·4	87·1	87·0	86·9	87·3	87·8	87·5
27	88·0	87·6	87·5	87·4	87·6	88·0	88·2	87·7	88·0	87·5	87·6	88·1	88·4	89·0	87·9	88·3	88·0	87·3	86·9	85·8	85·6	85·4	85·0	84·7	87·4
28	84·8	84·3	84·1	84·1	83·6	84·0	84·4	85·0	85·0	85·3	86·3	86·7	86·4	86·7	86·2	87·0	87·5	87·0	85·6	83·9	83·5	83·6	83·2	82·1	85·1
29	82·3	81·6	81·8	82·0	82·2	83·2	84·8	86·1	87·1	86·8	88·3	87·5	88·0	89·3	88·3	88·5	88·3	88·3	85·1	85·1	84·1	80·6	81·2	79·6	85·1
30	79·5	78·9	77·0	75·9	74·7	78·1	82·2	85·5	87·5	89·2	89·4	90·6	91·1	92·1	92·0	92·7	91·7	91·2	89·0	85·8	84·7	83·0	80·6	78·1	85·1
31	77·8	77·5	77·4	76·5	76·9	79·8	83·6	87·7	88·5	90·0	90·7	91·5	92·0	92·5	92·9	93·0	93·3	92·5	88·0	86·4	83·4	82·0	81·1	80·4	85·6
Mean	83·5	83·2	82·8	82·8	83·1	84·4	86·0	87·3	88·1	88·7	89·4	89·9	90·0	90·2	90·1	89·7	89·7	89·2	88·1	86·7	85·7	84·7	84·2	83·6	86·7

189. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — AUGUST, 1935

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
	°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	79·2	79·2	79·0	79·4	80·4	83·5	86·3	90·3	90·3	91·5	92·8	93·7	93·4	94·0	92·7	93·7	92·5	91·6	89·5	87·9	87·4	87·6	84·6	87·4
2	81·8	82·3	82·2	83·2	83·6	83·9	86·2	87·9	89·2	88·6	89·0	90·7	90·2	91·3	91·3	91·0	90·0	89·7	88·2	87·1	84·3	83·2	82·0	80·4	86·6
3	79·0	79·7	78·7	79·0	79·1	80·7	81·9	84·6	87·7	88·7	89·7	90·6	91·0	91·5	92·5	92·1	91·0	89·4	88·1	85·8	85·0	83·6	84·6	84·5	85·7
4	83·8	82·2	80·4	80·9	82·4	84·2	85·0	86·2	87·5	87·7	88·0	89·9	90·6	91·1	90·3	88·9	88·4	88·0	88·1	87·6	87·4	86·9	86·7	86·7	86·6
5	86·4	86·7	86·3	86·3	86·4	86·7	87·6	88·0	88·4	88·7	89·2	90·3	90·4	90·7	90·4	90·0	90·8	90·4	90·0	87·2	86·2	86·7	87·6	87·5	88·3
6	87·4	87·1	86·5	85·5	86·1	87·0	89·4	90·7	89·9	91·4	92·6	92·6	93·0	93·6	95·4	94·2	93·8	91·7	90·4	87·1	85·5	83·2	82·2	81·1	89·2
7	80·7	80·6	81·0	80·9	80·9	81·9	83·8	86·5	88·1	89·0	91·8	91·2	91·7	93·2	93·6	92·6	92·1	91·5	90·6	90·0	89·0	88·6	88·1	87·4	87·6
8	87·4	86·8	85·9	85·5	85·8	86·4	87·6	88·0	88·7	90·3	91·0	91·2	92·2	93·2	93·3	93·3	92·0	90·5	89·8	89·2	88·2	87·4	86·6	86·7	89·1
9	85·6	84·7	83·0	83·0	82·1	83·6	86·6	86·3	87·5	89·0	90·3	90·0	90·0	92·0	90·2	91·0	91·3	89·8	88·5	87·5	86·1	86·2	86·2	86·3	87·4
10	86·1	86·1	86·1	86·0	85·6	85·6	86·0	86·3	86·7	87·5	88·3	88·7	89·4	88·1	87·8	87·7	87·8	87·7	87·6	87·3	87·3	87·4	87·4	87·4	87·1
11	87·6	87·7	87·7	87·9	87·7	87·7	87·7	88·0	88·4	88·8	89·2	89·7	89·0	89·1	88·2	88·2	88·0	87·3	87·0	86·7	85·7	85·3	84·9	83·7	87·6
12	83·5	82·4	82·3	82·5	83·0	82·8	84·3	85·0	86·4	86·3	86·5	89·1	88·7	89·0	88·1	89·4	88·3	86·3	84·6	83·2	82·1	79·9	79·4	79·1	84·8
13	78·7	78·0	76·8	76·2	76·3	77·7	79·4	83·4	85·5	86·4	87·2	87·6	88·4	87·1	86·5	87·7	87·0	86·2	85·6	85·1	84·9	84·5	84·7	84·7	83·5
14	84·9	84·4	84·4	84·4	84·6	85·0	85·4	86·0	87·1	88·0	88·1	86·3	86·6	88·0	88·0	87·6	86·4	86·4	86·2	85·5	83·9	84·9	84·5	84·2	86·0
15	84·2	83·4	83·7	83·7	83·7	83·9	84·4	85·0	85·5	86·7	86·7	87·4	86·7	87·2	88·4	88·2	88·1	87·1	86·0	84·7	82·4	80·6	80·1	80·5	85·0
16	81·2	81·3	82·0	82·2	82·6	83·0	83·5	84·3	85·1	85·7	86·3	87·3	88·9	88·8	89·5	90·0	89·0	89·0	88·2	87·8	87·5	87·4	87·4	87·4	85·9
17	87·5	87·4	87·4	87·3	87·2	87·4	87·7	88·1	88·3	89·4	90·1	90·8	91·2	89·1	89·8	89·0	89·5	88·5	88·0	87·8	87·6	87·3	87·3	87·3	88·4
18	87·3	87·2	87·1	87·0	86·9	87·2	87·9	88·3	88·9	89·6	89·5	90·1	90·7	91·7	93·0	92·6	92·9	92·0	89·6	87·3	88·0	87·9	87·7	87·7	89·1
19	87·6	87·5	87·2	87·2	87·2	87·4	87·4	87·6	88·6	90·5	90·9	90·6	90·6	90·0	90·5	90·3	89·0	88·2	87·8	87·3	87·3	87·4	87·5	87·6	88·5
20	87·8	87·9	88·1	88·0	88·1	88·2	88·1	88·0	87·7	87·7	88·0	88·9	89·9	90·6	92·1	91·3	92·1	91·3	89·5	87·3	87·6	87·6	87·6	87·4	88·8
21	87·2	86·6	84·9	85·2	85·4	87·5	89·7	90·5	92·0	93·5	93·4	93·0	92·9	90·7	90·0	90·3	90·4	89·0	88·2	83·8	82·6	80·0	79·8	79·5	87·9
22	77·7	77·8	78·4	78·1	78·4	79·2	83·6	85·8	87·7	89·8	90·7	90·4	91·5	90·8	91·0	90·0	89·0	88·2	86·8	85·0	83·7	82·5	80·6	79·7	84·8
23	79·1	78·2	77·9	77·6	77·0	79·2	82·8	87·0	89·4	90·6	91·2	91·3	90·7	90·6	90·6	91·2	90·0	88·2	88·0	87·3	87·2	86·8	86·8	86·6	86·0
24	85·7	85·6	85·8	85·6	85·1	86·1	87·2	88·0	89·1	92·0	94·2	95·6	96·8	97·2	96·0	96·3	95·6	93·4	92·4	91·7	90·7	90·7	90·2	89·9	90·8
25	89·3	88·7	88·3	87·8	87·5	87·0	86·8	86·9	86·8	86·5	86·8	87·0	87·6	89·0	89·0	89·7	89·4	88·8	88·2	85·8	85·9	86·0	86·2	86·7	87·6
26	85·9	84·4	83·2	82·6	84·3	85·0	85·0	85·3	86·3	86·6	86·9	87·9	88·0	88·4	87·2	86·5	86·4	85·0	84·6	84·1	83·8	83·8	83·7	83·5	85·4
27	83·3	83·0	82·7	82·6	82·0	80·6	82·1	83·3	84·4	84·9	87·1	87·4	88·0	86·5	87·3	87·1	84·6	84·3	82·8	81·6	79·7	77·6	76·4	75·5	83·3
28	75·0	74·2	73·8	74·9	75·9	76·0	80·2	82·5	83·7	85·6	86·8	86·2	88·6	85·7	84·1	85·3	85·4	84·4	83·0	82·5	80·9	81·3	82·1	81·8	81·5
29	81·6	81·7	81·2	80·7	79·3	79·7	81·4	82·6	84·7	85·6	87·5	87·1	86·6	88·3	86·2	85·6	84·8	83·4	82·4	81·2	81·3	81·7	81·7	81·7	83·3
30	81·8	82·5	82·9	82·9	83·1	83·7	84·1	84·8	84·9	85·0	86·8	84·8	84·4	84·8	84·9	84·5	84·0	84·0	84·1	84·0	83·7	83·8	84·7	84·8	84·1
31	84·5	84·3	84·0	84·4	84·4	84·2	84·3	85·3	85·5	86·0	86·5	86·4	87·2	87·3	87·3	87·0	86·7	86·0	85·2	85·0	84·2	84·3	84·2	84·4	85·4
Mean	83·8	83·5	83·2	83·2	83·3	83·8	85·2	86·3	87·4	88·3	89·1	89·5	89·9	89·9	89·9	89·7	89·3	88·4	87·5	86·2	85·4	84·9	84·7	84·4	86·5
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

190. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres — SEPTEMBER, 1935

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	84·8	84·7	84·3	83·6	83·7	83·8	84·4	85·2	86·0	87·6	88·3	88·6	88·3	88·1	89·0	88·2	87·4	86·6	86·1	86·2	87·2	87·6	87·5	87·5	86·4
2	87·5	87·5	86·2	85·6	85·0	84·4	84·7	85·3	84·0	85·2	85·3	85·5	85·8	86·2	85·5	85·1	84·5	84·7	84·4	83·7	83·7	82·7	82·8	82·6	85·0
3	82·3	82·1	81·6	82·6	83·3	83·2	84·3	84·7	85·3	84·6	86·3	87·4	86·7	85·8	86·1	85·8	85·8	84·8	84·4	83·6	83·8	83·2	82·1	82·5	84·2
4	81·1	80·5	80·3	79·2	78·3	77·6	79·9	84·0	84·5	85·3	85·6	86·8	87·0	87·1	87·8	87·6	87·0	85·5	84·3	83·1	82·5	81·9	81·2	80·3	83·3
5	80·9	81·0	80·3	80·9	79·9	81·2	82·3	83·0	83·9	85·8	87·0	87·0	88·0	88·5	89·1	87·7	87·0	85·4	83·6	83·0	80·2	80·2	80·8	79·8	83·6
6	78·5	78·3	77·2	76·3	76·0	76·3	78·1	80·8	85·0	86·0	86·6	86·2	87·0	86·4	86·5	85·2	85·0	82·8	81·3	80·1	79·4	80·0	77·6	76·2	81·4
7	76·4	76·4	75·0	75·0	75·2	76·3	78·6	82·6	83·2	85·8	85·0	86·8	85·5	86·0	86·9	86·0	85·0	83·4	80·4	78·7	78·4	77·4	76·3	75·3	80·7
8	75·0	76·2	75·5	75·2	75·0	75·3	78·4	82·0	83·3	84·2	85·5	85·1	86·8	87·1	86·7	86·9	86·6	83·9	82·5	80·5	79·7	79·0	78·9	78·3	81·1
9	78·4	78·6	78·8	78·7	78·1	78·7	79·6	81·0	82·5	84·6	84·8	85·6	85·6	85·8	85·7	85·0	84·3	83·6	83·4	82·0	80·0	78·9	77·8	77·6	81·6
10	77·3	79·5	80·0	80·5	80·4	80·7	81·5	81·8	82·2	83·5	84·6	85·0	85·5	85·8	85·8	86·8	87·1	86·5	84·3	83·0	81·6	81·5	81·5	82·0	82·8
11	82·6	82·9	83·3	83·5	83·8	83·8	84·1	84·9	86·0	86·0	87·3	89·0	88·6	88·8	90·0	89·7	88·4	88·1	85·7	84·0	82·6	82·4	82·9	82·9	85·5
12	83·0	83·0	83·1	83·1	83·1	83·0	83·5	84·2	85·5	87·9	88·2	88·0	87·8	88·6	87·4	86·5	86·2	86·2	86·4	86·5	85·8	85·6	85·4	85·7	85·5
13	85·7	86·2	85·5	85·0	83·4	82·6	83·9	84·7	85·7	86·8	87·4	87·9	88·1	87·8	87·0	87·6	86·5	86·1	85·7	85·5	85·8	85·8	85·9	86·1	85·9
14	86·1	86·1	86·2	86·1	86·2	83·8	84·4	85·4	86·5	86·7	85·8	85·4	86·1	86·8	87·2	87·1	86·8	85·7	85·8	85·7	84·5	84·8	84·6	84·8	85·8
15	84·3	83·6	84·2	85·0	84·9	84·8	84·2	84·1	84·4	84·6	86·0	86·6	87·1	87·3	86·1	84·6	85·3	83·8	82·2	82·8	83·6	83·6	83·7	83·4	84·6
16	83·3	83·0	83·0	83·0	83·0	83·0	83·3	83·4	84·2	85·5	85·0	85·3	85·2	85·5	84·7	85·4	84·2	83·4	83·1	82·8	82·2	82·7	83·2	83·5	83·8
17	82·6	83·0	82·9	82·6	82·5	82·3	82·4	82·5	81·6	82·2	83·9	84·8	85·5	85·7	85·7	85·0	84·5	84·0	83·9	83·7	82·9	82·7	82·7	82·6	83·4
18	82·4	82·3	82·0	82·2	82·0	82·2	82·3	82·4	83·2	83·7	83·7	85·7	85·3	86·0	85·1	83·5	84·1	84·0	83·7	83·3	83·6	82·9	83·0	83·1	83·4
19	83·9	84·0	86·4	87·4	87·6	86·4	85·7	85·0	85·7	85·5	85·3	85·3	86·0	86·0	85·9	85·6	85·1	84·8	84·2	83·8	83·6	83·4	83·4	83·2	85·1
20	83·2	83·4	83·4	83·4	83·4	83·1	83·2	83·7	85·3	86·6	87·6	86·2	87·0	88·1	86·4	86·0	85·6	84·4	83·9	83·2	81·5	80·2	78·8	78·7	84·1
21	78·9	77·0	76·2	75·0	74·7	74·4	74·2	76·3	78·0	80·6	82·7	84·4	85·2	85·5	85·3	83·8	83·4	82·8	82·7	82·7	82·1	81·7	81·5	81·4	80·4
22	81·4	81·4	81·3	81·7	82·0	82·1	82·0	82·4	82·5	82·7	82·9	83·9	82·8	83·2	83·2	84·2	83·6	83·6	82·8	82·4	81·9	81·5	81·5	81·1	82·4
23	81·1	81·0	81·7	81·6	81·6	80·7	81·3	82·1	83·0	84·3	84·3	85·2	85·7	85·3	85·0	83·2	82·1	81·7	80·6	80·2	79·6	77·2	75·2	75·2	81·9
24	74·1	74·1	73·4	74·8	74·7	74·0	75·4	78·1	81·9	82·7	82·2	82·6	83·4	83·2	82·4	81·6	80·8	80·7	80·5	79·9	80·0	78·7	78·2	78·5	78·9
25	79·0	79·1	78·2	77·8	76·6	77·0	78·2	80·5	83·0	82·6	84·2	85·3	85·7	85·8	83·4	85·0	84·5	80·5	78·4	76·8	75·3	74·8	75·1	74·5	80·1
26	73·7	73·4	72·5	73·1	74·0	74·1	74·5	76·8	78·7	80·2	81·3	81·7	82·1	82·7	82·6	82·6	82·2	82·0	82·0	81·8	81·9	82·0	82·3	83·0	79·0
27	83·6	84·4	83·8	83·7	82·6	82·7	82·9	83·7	84·5	85·3	87·0	88·4	88·4	88·7	88·2	86·5	86·0	84·7	84·9	84·3	84·5	84·6	84·6	84·4	85·1
28	84·3	83·8	83·8	83·7	83·9	84·1	84·1	84·2	84·6	85·2	86·6	87·0	86·6	85·2	83·6	83·5	82·8	82·0	81·8	81·6	80·8	80·4	80·4	80·0	83·6
29	80·6	80·5	80·1	79·0	77·7	76·5	77·2	80·0	82·6	84·2	85·0	85·2	84·6	84·5	83·9	83·7	83·7	83·4	83·4	82·8	82·9	82·7	82·7	82·8	82·0
30	82·4	81·2	80·0	80·6	80·7	81·0	81·2	80·9	80·5	82·0	83·1	83·6	83·5	82·4	83·1	80·5	81·4	79·6	77·4	76·6	79·1	78·2	78·5	79·3	80·8
Mean	81·3	81·3	81·0	81·0	80·8	80·6	81·3	82·5	83·6	84·6	85·3	85·9	86·0	86·1	85·8	85·3	84·9	84·0	83·1	82·5	82·0	81·7	81·4	81·2	83·1

191. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — OCTOBER, 1935

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	79·6	80·6	80·1	79·6	80·9	80·1	80·6	80·4	80·9	83·0	83·8	82·6	83·6	83·4	83·5	83·2	82·9	79·7	78·6	77·2	75·9	74·3	73·3	73·0	80·2
2	71·7	71·2	70·8	71·7	72·6	73·3	74·4	76·5	77·8	79·4	80·2	81·0	81·4	81·4	81·4	81·6	81·2	81·6	81·3	81·4	81·4	81·8	81·9	81·7	78·1
3	81·6	81·2	81·0	80·9	81·0	80·6	80·8	81·4	81·8	81·8	83·4	83·8	84·4	85·4	84·9	84·8	84·0	80·3	79·4	77·5	76·2	75·7	75·1	74·7	81·1
4	74·4	75·0	74·2	74·5	74·5	74·6	75·0	76·0	80·0	83·3	82·4	84·0	85·6	85·7	84·7	83·4	83·4	82·8	82·0	82·1	82·3	82·8	82·6	82·4	80·2
5	82·2	82·0	82·2	82·2	82·2	82·0	81·7	82·3	82·1	82·4	82·8	82·5	83·7	83·1	83·1	83·2	82·5	81·6	81·4	80·4	79·1	78·8	79·3	78·9	81·8
6	78·8	79·8	80·0	79·6	80·0	79·6	79·7	81·7	82·5	81·7	82·1	82·4	83·4	83·8	83·2	82·5	82·1	81·2	81·6	81·6	81·3	81·2	80·7	80·7	81·3
7	80·5	80·1	79·8	79·5	79·2	78·4	78·4	79·0	79·8	81·4	82·7	82·5	83·7	83·6	83·3	82·5	80·6	80·1	80·0	80·6	81·7	81·8	81·8	81·4	80·9
8	81·6	81·2	81·6	81·4	81·7	80·6	80·4	80·5	81·8	81·4	81·1	82·4	83·6	82·6	82·2	80·7	80·0	78·9	77·8	77·8	77·8	77·7	77·4	77·2	80·5
9	77·3	77·2	76·5	77·2	77·4	77·4	77·4	79·0	80·0	80·6	81·9	80·9	81·2	80·9	80·8	80·4	80·4	80·4	80·3	80·2	80·1	80·1	80·0	80·1	79·4
10	79·9	79·6	79·0	79·0	78·8	77·9	77·8	77·6	76·4	77·9	79·0	78·7	80·5	81·0	80·4	80·2	79·1	78·3	78·7	78·8	78·9	78·6	78·3	78·2	78·9
11	77·7	77·1	77·8	77·4	77·9	77·9	77·9	78·7	80·2	80·2	80·1	80·0	80·9	80·2	80·5	79·2	79·3	78·5	77·6	77·0	76·7	74·7	75·8	75·0	78·3
12	74·7	75·4	76·0	76·6	74·8	74·4	73·8	77·3	80·0	80·4	82·4	82·1	82·4	83·4	83·1	82·6	82·5	82·0	81·7	81·4	81·7	81·7	81·2	81·3	79·6
13	81·5	81·4	81·7	82·1	82·1	82·0	82·0	82·4	83·0	83·7	84·1	84·1	85·0	84·2	83·9	83·1	82·8	82·9	83·2	83·4	83·7	84·4	84·7	84·8	83·1
14	83·9	84·1	83·4	83·2	83·1	82·4	82·4	82·6	82·7	83·3	83·8	84·4	84·0	84·4	84·1	83·8	83·6	83·3	82·4	82·1	82·6	82·6	82·5	82·6	83·3
15	82·3	82·3	82·5	82·8	82·8	82·6	82·2	82·8	82·8	82·8	83·3	83·8	84·2	84·0	84·0	84·2	84·8	85·3	85·6	85·9	86·0	86·3	86·2	86·4	83·9
16	86·6	86·5	86·5	86·4	85·5	84·8	84·3	84·7	83·7	83·8	85·6	85·4	84·6	84·8	83·8	82·8	82·1	81·5	80·7	80·0	80·7	80·5	80·4	78·0	83·7
17	79·0	78·8	79·4	80·4	81·0	81·8	82·0	82·2	82·3	82·7	82·6	82·9	82·7	81·5	81·8	82·1	81·2	80·7	80·3	80·2	79·7	79·7	80·0	80·4	81·0
18	79·8	79·6	79·0	78·7	76·7	75·7	75·0	76·3	78·8	80·1	81·1	81·6	81·7	81·2	82·8	83·4	83·4	83·7	83·8	84·3	84·6	80·6	80·7	80·0	80·5
19	79·8	79·6	79·8	79·8	39·2	79·6	79·7	79·0	79·2	79·9	81·0	80·1	81·2	81·0	81·0	80·9	80·7	80·2	79·8	79·4	78·7	78·8	78·4	78·3	79·8
20	78·2	77·7	77·0	76·9	76·5	76·0	75·7	75·8	77·7	77·7	77·9	77·3	78·0	78·0	77·8	76·6	74·6	72·1	71·2	71·4	70·6	70·6	70·2	70·8	75·4
21	70·5	70·8	71·2	71·2	71·0	72·0	72·2	73·2	73·7	74·7	75·0	76·0	77·3	77·0	77·5	74·5	74·6	74·5	74·4	74·1	73·7	72·5	72·0	72·1	73·5
22	72·0	71·9	71·6	71·0	70·6	70·8	71·4	72·0	72·8	74·0	75·0	76·8	77·3	77·1	77·3	77·0	76·7	76·3	76·1	75·6	75·5	75·3	75·5	75·0	74·3
23	74·6	73·7	73·1	73·0	73·6	73·8	74·0	74·3	76·4	78·1	78·8	79·8	80·4	80·7	80·7	80·2	80·0	79·6	79·4	79·6	79·6	79·5	79·2	79·0	77·5
24	78·8	78·7	78·6	78·5	78·4	78·4	78·4	78·6	78·7	78·8	79·0	79·0	79·0	78·9	79·0	79·0	78·8	78·7	78·6	78·5	78·5	78·5	78·5	78·3	78·7
25	78·0	77·8	77·4	77·0	77·0	76·7	76·7	76·7	76·9	77·1	77·3	77·7	79·0	79·2	79·3	78·7	78·3	77·9	77·9	77·8	77·7	77·7	78·0	78·0	77·7
26	77·9	77·3	76·9	76·9	77·4	77·8	78·6	78·5	79·4	81·0	81·6	82·3	83·2	83·7	84·6	85·1	85·1	85·0	83·6	82·2	82·0	81·7	81·3	81·1	80·9
27	80·7	80·6	80·3	80·5	80·3	80·4	81·0	81·4	82·4	85·2	85·5	85·8	85·9	86·0	86·0	85·8	85·6	85·5	85·4	85·2	85·6	85·7	85·6	85·4	83·7
28	85·2	85·1	84·9	84·6	84·1	83·6	81·6	82·2	82·6	82·7	82·6	83·2	83·2	83·5	82·9	82·8	82·8	83·3	83·4	84·1	84·9	85·2	85·3	85·1	83·7
29	85·1	85·0	85·0	84·8	84·7	83·8	82·9	82·6	82·5	82·1	82·7	82·3	80·8	80·6	79·0	76·5	77·0	76·8	76·6	76·3	76·8	76·9	75·8	74·7	80·7
30	75·7	76·0	75·8	76·5	77·2	77·3	77·7	78·6	79·5	80·3	80·8	81·2	80·3	80·0	79·9	79·6	78·5	79·0	77·7	77·4	77·2	76·6	76·2	75·8	78·1
31	74·7	75·6	75·7	75·7	75·1	75·0	75·1	75·4	76·6	77·9	78·3	79·2	78·9	78·8	78·5	77·8	76·1	76·0	76·4	76·1	76·7	76·8	76·9	77·2	76·7
Mean	78·8	78·8	78·7	78·7	78·6	78·4	78·4	79·0	79·8	80·6	81·2	81·5	82·0	81·9	81·8	81·2	80·8	80·2	79·9	79·7	79·6	79·3	79·2	79·0	79·9
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.

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, 1935

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	76·6	76·2	75·5	75·1	75·3	75·6	75·6	75·5	76·9	78·7	79·0	79·6	79·7	79·2	78·2	78·6	76·8	76·9	76·1	76·5	74·9	74·5	75·9	75·0	76·8
2	75·6	76·6	77·0	77·4	77·4	77·6	77·6	78·5	80·2	80·5	81·8	82·5	82·0	82·5	82·5	82·0	81·2	81·0	80·3	80·1	79·8	78·2	78·2	78·5	79·5
3	77·9	76·0	76·5	76·7	77·4	79·1	80·4	80·5	82·7	83·8	84·1	84·7	85·7	86·1	86·3	85·8	86·0	85·8	85·3	85·2	84·8	84·7	84·7	84·2	82·6
4	84·3	83·8	83·0	81·7	81·3	81·1	80·8	80·7	81·3	82·4	82·6	82·6	82·4	82·6	82·1	81·4	80·5	79·6	78·6	75·8	76·0	76·0	76·1	75·7	80·7
5	75·1	75·1	74·0	74·7	73·5	73·7	74·9	74·2	76·0	77·6	79·0	79·9	81·8	81·1	81·0	80·7	80·4	80·2	79·2	77·8	78·0	78·1	76·5	75·3	77·4
6	74·5	73·8	72·6	71·9	71·7	71·3	71·1	71·1	72·0	74·0	76·0	77·6	79·4	79·3	78·8	77·8	76·2	75·2	75·3	75·4	75·0	75·6	75·9	76·3	74·9
7	76·8	76·9	77·0	77·0	76·8	76·5	76·4	76·7	76·9	79·3	79·7	81·2	79·6	79·5	79·2	77·9	76·1	75·9	75·9	75·8	75·7	76·6	77·2	77·0	77·4
8	76·8	77·2	77·4	77·5	77·6	77·3	77·5	77·6	77·9	79·0	80·1	79·6	80·1	79·4	78·8	77·5	76·6	76·3	76·3	76·3	76·4	76·3	76·3	76·8	77·6
9	77·4	76·9	77·0	77·6	77·9	77·9	78·1	78·6	79·0	79·2	79·7	79·5	78·6	78·4	78·3	78·0	76·4	74·7	74·4	73·6	71·8	73·2	72·8	73·5	76·8
10	72·4	72·6	74·0	74·3	74·8	75·2	75·3	75·7	76·3	78·2	78·4	79·2	79·0	78·4	78·3	78·1	78·0	78·2	78·0	77·5	77·6	77·8	77·9	77·7	76·7
11	77·3	77·3	77·4	77·4	77·3	77·1	77·2	78·1	79·1	79·7	80·0	80·1	80·4	79·6	79·6	78·4	78·2	77·9	77·7	78·1	78·4	78·4	78·7	79·0	78·4
12	78·9	78·7	79·1	79·7	78·6	76·7	76·3	76·7	76·7	76·8	78·0	78·0	79·5	78·8	77·8	76·3	75·7	74·7	74·8	74·6	74·0	73·8	73·7	73·6	76·8
13	73·6	73·7	73·9	73·6	73·4	73·6	73·7	74·0	74·3	73·8	75·0	75·0	74·6	75·3	75·5	75·0	74·2	74·0	73·9	73·9	74·0	73·8	74·0	74·4	74·2
14	74·0	74·1	75·0	75·1	75·9	76·5	76·7	77·3	76·7	77·0	78·1	78·3	79·0	79·1	77·6	76·4	75·7	75·4	74·0	73·2	73·9	74·4	74·3	74·6	75·9
15	74·9	75·5	75·9	76·2	77·6	77·5	77·4	77·4	77·4	77·9	78·7	79·4	79·2	77·4	78·1	77·2	76·1	76·0	76·0	75·9	75·5	75·6	76·1	76·0	76·8
16	75·9	75·9	75·0	75·2	76·1	76·3	76·4	76·7	76·7	77·2	77·6	78·2	78·5	77·9	76·5	76·6	76·0	76·1	75·4	75·0	74·5	74·8	73·9	74·0	76·1
17	74·4	74·1	73·6	73·6	74·3	74·9	75·6	76·4	77·3	77·8	78·4	78·9	79·8	80·2	80·0	79·7	79·8	79·4	80·0	80·3	80·3	80·2	80·1	80·0	77·8
18	79·8	79·7	79·6	79·7	79·6	79·5	79·6	79·6	79·5	79·7	79·8	79·8	79·6	79·8	79·0	78·8	78·0	77·8	78·1	77·6	78·4	78·1	76·1	76·1	79·0
19	76·0	76·0	76·9	76·1	76·2	76·0	75·3	74·7	75·0	75·3	76·9	77·8	79·0	79·1	78·2	77·8	76·9	77·8	78·0	77·8	77·0	77·6	78·0	77·5	76·9
20	78·0	78·2	78·4	78·4	78·4	78·4	78·6	79·0	78·9	79·0	79·4	79·8	79·3	79·1	79·0	79·2	79·2	79·3	79·5	79·6	79·6	79·2	79·2	79·0	79·0
21	79·0	78·9	78·9	78·6	78·6	78·5	78·5	78·4	78·4	78·4	78·4	78·5	78·7	78·6	78·8	79·0	78·9	78·8	78·8	78·6	78·4	78·4	78·2	78·0	78·6
22	77·1	77·0	75·6	76·8	76·8	77·2	77·2	77·0	77·3	77·9	78·4	78·7	78·1	78·4	77·7	77·0	77·0	76·9	76·7	76·8	76·6	76·4	76·2	76·3	77·2
23	76·2	76·0	74·7	74·2	73·3	74·0	73·6	73·3	73·9	75·8	77·2	77·2	77·3	77·0	76·2	74·2	72·8	71·3	71·0	70·4	70·0	68·6	68·4	67·8	73·7
24	67·0	67·0	66·1	66·2	66·4	66·7	67·7	68·8	69·1	70·3	71·9	73·2	74·4	75·0	74·9	74·6	76·7	75·3	75·4	75·2	74·7	74·4	74·0	73·4	71·5
25	72·6	71·5	71·0	72·0	72·9	73·8	76·0	75·9	76·1	76·8	76·5	76·5	77·4	77·4	77·4	76·9	77·2	77·6	77·9	77·8	78·2	78·9	78·6	78·8	76·0
26	79·4	79·2	79·0	79·0	79·2	79·4	78·1	77·6	77·0	76·4	77·8	77·9	77·8	77·6	77·3	77·5	77·0	77·1	77·2	77·1	77·2	76·4	76·9	76·8	77·8
27	76·6	76·7	76·8	77·0	77·0	77·0	75·4	75·5	76·3	77·4	77·9	78·6	78·6	78·7	78·3	78·4	78·6	78·7	78·7	78·9	78·8	78·7	79·3	79·9	77·8
28	80·7	81·1	81·4	81·9	82·1	82·6	82·7	82·7	82·4	82·1	81·8	81·8	82·0	82·0	81·4	80·7	79·8	78·7	78·5	78·5	78·9	78·8	78·2	77·9	80·8
29	77·4	77·9	77·6	77·6	77·8	77·8	77·8	78·2	78·2	78·7	79·3	78·6	78·5	77·3	77·2	76·9	76·5	75·9	75·7	75·2	75·9	75·7	75·8	75·8	77·2
30	75·0	74·9	75·1	75·0	74·9	74·9	75·2	75·6	75·6	76·0	76·3	76·7	76·8	76·8	76·3	76·5	76·2	75·6	73·4	73·5	74·9	75·2	75·1	74·4	75·4
Mean	76·4	76·3	76·2	76·2	76·3	76·5	76·6	76·7	77·2	77·9	78·6	79·0	79·2	79·1	78·7	78·2	77·6	77·3	77·0	76·7	76·6	76·6	76·5	76·4	77·2

193. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — DECEMBER, 1935

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	74·3	73·8	73·7	73·6	73·4	73·5	73·7	74·2	74·0	74·4	74·1	74·1	74·4	74·7	74·6	74·4	74·1	74·6	74·7	74·6	74·5	74·7	74·7	74·4	74·2
2	74·5	74·6	74·7	74·4	74·6	74·9	74·8	74·4	74·7	75·4	75·7	75·7	75·5	75·6	75·4	75·0	75·0	75·0	75·6	75·5	76·0	75·7	75·7	76·0	75·1
3	76·0	75·7	75·6	75·3	75·5	75·3	75·2	75·3	75·1	76·0	76·3	76·6	76·2	76·3	76·2	75·9	76·0	75·9	75·6	75·7	75·2	74·8	75·4	74·8	75·7
4	74·8	75·0	75·2	75·4	75·4	75·1	75·3	75·1	75·0	75·8	76·0	75·9	76·0	75·5	74·8	73·6	72·9	72·2	71·4	72·3	72·6	72·8	73·0	73·1	74·4
5	73·2	72·5	71·7	70·2	68·6	67·0	65·5	64·8	65·2	66·6	69·2	72·7	73·9	74·0	71·5	70·9	71·2	72·9	73·6	73·7	73·9	73·2	74·0	73·8	71·0
6	73·8	73·8	73·2	73·8	74·2	73·0	72·2	72·0	72·2	72·0	72·7	72·9	72·7	72·0	71·2	70·4	68·7	67·6	67·5	66·5	65·7	65·4	65·4	65·9	70·8
7	65·4	65·7	66·3	67·8	68·4	69·4	70·0	70·8	71·3	72·4	73·1	73·5	73·6	73·9	74·1	73·8	74·3	74·6	74·7	75·2	74·6	75·0	76·2	75·8	71·9
8	75·4	75·8	75·4	74·7	74·6	75·2	74·7	74·8	75·0	75·2	75·4	75·5	76·0	75·8	76·2	75·4	76·7	76·4	76·8	75·8	76·3	75·6	75·1	75·1	75·6
9	75·9	76·4	75·8	75·2	75·1	75·0	75·9	75·7	76·1	76·8	78·2	77·9	78·5	77·9	78·0	77·5	77·2	77·1	77·2	77·2	77·2	76·1	76·6	76·3	76·7
10	75·7	75·4	75·7	76·0	76·0	76·1	75·6	74·8	74·3	75·2	75·4	76·6	76·8	76·7	76·0	75·2	75·8	75·1	75·6	75·3	75·3	73·9	74·7	73·0	75·5
11	73·4	74·3	72·0	72·5	72·2	73·9	74·2	74·5	74·2	75·0	76·0	76·0	76·0	76·0	75·9	75·9	75·7	75·7	75·8	75·9	75·9	76·0	76·1	76·4	74·9
12	76·0	76·0	76·0	76·1	76·1	76·3	76·3	76·3	76·3	76·5	76·6	76·7	76·9	76·7	76·6	76·2	76·0	75·8	75·7	75·6	75·6	75·4	75·0	75·0	76·1
13	74·9	74·9	75·0	74·8	74·6	74·5	74·6	74·5	74·5	74·8	75·4	75·9	76·2	76·2	75·8	75·4	75·0	74·7	74·4	74·0	73·8	73·8	73·8	73·7	74·8
14	73·7	73·7	73·6	73·6	73·4	73·4	73·5	73·5	73·4	73·6	73·4	73·5	73·1	72·8	72·6	72·3	72·5	72·3	72·4	72·4	72·4	72·7	72·7	72·8	73·1
15	73·0	73·1	73·1	73·2	73·3	73·9	75·1	75·5	74·9	73·8	73·0	74·3	73·6	74·1	74·3	73·8	73·7	73·8	73·9	73·2	73·0	73·0	73·4	73·2	73·7
16	73·2	72·4	72·3	72·4	72·0	71·0	70·5	70·5	71·1	73·0	73·4	73·3	73·0	73·0	72·9	69·7	67·5	66·6	66·4	67·7	69·2	70·6	71·0	71·8	71·1
17	71·9	73·0	73·1	72·8	73·4	73·6	73·7	72·8	72·8	72·9	73·4	74·0	73·6	73·4	73·3	72·8	72·2	72·6	72·0	72·0	73·3	73·8	72·5	72·6	73·0
18	72·6	71·3	70·8	71·2	68·4	68·2	66·6	65·9	65·9	66·1	67·6	69·0	69·9	70·3	69·6	68·9	68·7	68·6	68·5	69·5	71·9	72·0	72·4	73·0	69·4
19	72·4	73·2	73·1	73·3	72·9	73·3	72·8	72·4	71·4	72·3	73·0	73·0	73·0	72·7	70·4	68·9	68·1	66·6	66·0	66·3	67·0	68·3	67·7	66·1	70·7
20	65·6	65·4	65·0	65·2	66·0	67·0	67·0	68·1	66·6	68·0	73·6	74·3	74·5	73·6	73·3	73·0	72·9	73·2	74·1	73·5	71·8	71·0	70·1	70·6	70·1
21	68·6	68·0	67·9	66·3	65·5	65·7	64·5	64·3	64·0	65·8	66·2	68·1	69·9	71·6	72·7	71·0	70·7	71·0	72·2	72·2	70·9	71·2	69·6	69·3	68·7
22	72·2	73·6	73·0	72·4	72·2	71·0	71·7	71·9	72·1	72·4	73·1	73·7	74·2	73·3	72·3	71·4	71·6	71·8	71·6	71·9	73·2	72·3	70·3	67·2	72·1
23	66·8	65·8	65·6	64·1	62·8	62·1	62·0	61·6	61·5	63·0	64·8	66·8	67·9	68·0	67·3	65·3	64·7	64·1	64·3	64·0	64·7	66·6	66·9	67·3	64·9
24	68·0	67·7	67·9	68·6	69·0	71·3	72·0	72·1	74·0	74·3	74·6	74·6	74·9	73·7	73·4	74·1	74·4	74·7	74·3	74·3	74·3	74·6	74·4	74·1	72·6
25	74·1	74·1	74·0	74·3	74·7	74·8	74·9	75·0	74·7	76·3	76·0	76·0	76·4	76·6	76·7	77·0	76·8	77·1	77·1	77·5	77·8	77·9	77·7	77·9	76·0
26	77·8	78·0	78·1	78·3	77·1	77·6	78·5	78·7	78·8	79·0	78·6	78·6	78·6	78·6	78·1	77·6	77·6	77·4	77·1	77·0	76·9	77·3	78·0	78·6	78·0
27	79·1	79·4	79·7	79·6	79·6	79·6	79·2	79·0	78·7	78·6	78·7	79·2	79·5	79·4	79·1	78·4	78·1	78·2	78·3	78·4	78·3	78·2	78·2	78·1	78·9
28	78·0	78·0	78·0	78·0	77·9	77·8	77·6	77·5	77·3	76·6	76·9	76·9	78·0	77·8	77·1	76·2	76·4	76·1	76·6	76·6	76·3	76·2	75·6	75·0	77·1
29	74·6	74·8	74·4	74·6	74·6	74·9	75·0	75·0	74·9	75·1	75·3	75·8	76·1	76·3	76·6	76·1	75·0	73·8	75·0	75·1	75·4	75·7	76·0	76·5	75·2
30	76·4	76·7	76·9	77·2	77·5	79·0	79·7	79·6	79·1	79·1	79·2	79·1	79·5	79·5	79·0	78·3	78·4	77·9	77·4	77·6	77·8	77·2	77·0	76·0	78·1
31	75·1	73·2	74·0	73·0	73·6	74·0	74·6	75·0	75·6	77·2	78·6	78·7	78·6	78·4	78·8	79·3	79·6	79·2	79·2	79·0	77·8	78·3	77·8	77·4	76·9
Mean	73·4	73·4	73·3	73·2	73·0	73·1	73·1	73·1	73·1	73·7	74·3	74·8	75·1	75·0	74·6	74·0	73·8	73·6	73·7	73·7	73·8	73·8	73·8	73·6	73·7
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: 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 — 1935

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
78·41	78·33	78·17	78·11	78·18	78·47	79·04	79·73	80·45	81·21	81·89	82·37	82·63	82·72	82·59	82·22	81·80	81·20	80·54	79·84	79·38	79·02	78·83	78·58	80·15

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 — 1935

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.	276·07	-0·44	-0·26	-0·39	-0·43	-0·31	-0·47	-0·51	-0·52	-0·48	-0·15	+0·42	+0·80	+1·05	+1·30	+1·09	+0·64	+0·28	+0·02	-0·15	-0·26	-0·36	-0·31	-0·27	-0·28
Feb.	276·30	-0·49	-0·58	-0·54	-0·57	-0·64	-0·64	-0·80	-0·77	-0·34	+0·24	+0·73	+1·16	+1·43	+1·51	+1·51	+1·27	+0·65	+0·23	-0·14	-0·63	-0·67	-0·71	-0·66	-0·56
Mar.	277·85	-1·31	-1·30	-1·44	-1·54	-1·54	-1·68	-1·53	-0·91	-0·00	+0·85	+1·65	+2·10	+2·42	+2·51	+2·56	+2·05	+1·51	+0·51	-0·23	-0·59	-0·77	-1·00	-1·10	-1·23
Apr.	278·34	-2·12	-2·13	-2·17	-2·24	-2·24	-2·12	-1·43	-0·42	-0·41	+1·37	+1·97	+2·42	+2·41	+2·88	+2·77	+2·57	+2·02	+1·42	+0·29	-0·33	-0·77	-1·26	-1·51	-1·89
May	280·95	-3·96	-4·18	-4·39	-4·65	-4·33	-3·29	-1·72	-0·32	+1·13	+2·41	+3·32	+4·09	+4·59	+4·78	+5·00	+4·70	+4·04	+3·01	+1·46	-0·43	-1·89	-2·65	-3·08	-3·63
June	284·87	-2·51	-2·57	-2·61	-2·75	-2·34	-1·57	-0·70	+0·07	+0·73	+1·30	+2·03	+2·65	+2·66	+2·63	+2·34	+2·49	+2·25	+1·81	+1·11	+0·01	-0·92	-1·68	-2·07	-2·36
July	286·72	-3·26	-3·57	-3·94	-3·98	-3·65	-2·39	-0·78	+0·52	+1·33	+1·98	+2·68	+3·17	+3·27	+3·49	+3·43	+3·01	+2·97	+2·50	+1·46	+0·06	-0·99	-1·91	-2·40	-2·99
Aug.	286·53	-2·63	-2·94	-3·29	-3·33	-3·23	-2·67	-1·33	-0·17	+0·90	+1·75	+2·56	+2·98	+3·37	+3·39	+3·35	+3·17	+2·70	+1·80	+0·89	-0·35	-1·17	-1·67	-1·87	-2·20
Sept.	283·05	-1·85	-1·85	-2·11	-2·11	-2·33	-2·46	-1·76	-0·56	+0·50	+1·53	+2·22	+2·80	+2·98	+3·09	+2·81	+2·31	+1·88	+0·95	+0·12	-0·52	-0·97	-1·31	-1·57	-1·81
Oct.	279·89	-1·07	-1·11	-1·24	-1·21	-1·28	-1·47	-1·49	-0·87	-0·06	+0·73	+1·33	+1·59	+2·09	+2·03	+1·90	+1·36	+0·92	+0·38	+0·03	-0·20	-0·25	-0·53	-0·67	-0·90
Nov.	277·24	-0·91	-1·00	-1·11	-1·03	-0·94	-0·81	-0·71	-0·54	-0·08	+0·64	+1·35	+1·74	+1·99	+1·82	+1·45	+0·94	+0·40	+0·05	-0·21	-0·48	-0·57	-0·59	-0·66	-0·75
Dec.	273·75	-0·27	-0·31	-0·46	-0·56	-0·73	-0·58	-0·60	-0·65	-0·68	-0·09	+0·56	+1·06	+1·31	+1·23	+0·88	+0·23	+0·02	-0·14	-0·06	-0·05	+0·04	+0·06	-0·02	-0·22
Year	280·15	-1·74	-1·83	-1·99	-2·05	-1·97	-1·69	-1·11	-0·43	+0·29	+1·05	+1·74	+2·22	+2·47	+2·56	+2·43	+2·07	+1·65	+1·05	+0·39	-0·31	-0·77	-1·13	-1·33	-1·57

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 — 1935

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	82·7	77·7	82·9	77·1	79·2	75·0	82·5	74·4	86·6	77·1	88·9	74·9	88·8	85·3	94·3	78·6	89·4	83·5	84·7	72·9	80·2	73·9	75·0	73·0
2	84·0	81·6	82·9	72·5	79·6	75·0	80·0	73·2	85·9	77·9	86·2	73·9	92·6	85·4	91·6	79·8	87·8	82·4	81·9	70·8	82·7	74·6	76·2	74·0
3	83·3	79·5	77·7	70·2	77·4	74·3	80·1	72·2	90·1	77·5	87·7	79·0	89·6	82·6	92·9	78·0	87·7	81·3	85·8	74·4	86·8	75·9	76·6	74·6
4	80·2	74·4	78·2	74·7	80·0	72·8	79·0	71·4	91·3	76·3	86·4	78·9	89·9	85·6	91·1	80·2	88·2	76·8	86·1	73·7	84·4	74·7	76·6	71·0
5	77·0	72·7	76·8	73·1	78·4	73·5	79·4	71·4	92·9	78·0	87·8	80·8	88·7	83·2	91·0	85·7	89·6	79·8	83·7	78·5	82·0	73·2	74·3	64·1
6	76·6	73·3	76·0	70·0	81·2	73·7	82·3	70·3	91·4	79·4	88·1	77·5	90·8	79·9	95·4	81·0	88·4	75·6	84·6	78·2	80·0	70·0	74·3	64·9
7	75·2	71·9	76·2	67·0	84·3	74·1	78·0	70·5	87·6	77·0	87·5	82·1	94·2	77·2	94·0	80·4	87·6	74·4	84·4	78·2	81·2	75·4	76·4	65·1
8	74·1	66·9	76·7	70·6	79·9	71·3	81·0	75·0	91·0	74·4	85·0	75·6	96·2	81·2	93·8	85·3	87·3	74·5	83·7	77·0	80·5	76·2	77·3	74·4
9	74·6	67·4	78·2	72·2	74·6	72·8	83·4	74·8	85·7	76·6	87·5	71·7	95·4	80·0	92·3	81·9	86·1	77·3	82·5	75·7	79·9	71·7	78·6	74·2
10	79·7	74·5	78·4	74·5	76·6	73·1	82·2	78·0	85·4	77·7	85·3	81·0	90·7	80·2	90·1	85·4	87·4	77·0	81·6	76·3	79·4	71·6	77·1	72·8
11	79·5	72·8	80·2	77·6	80·6	71·9	81·2	76·3	90·4	77·8	87·9	81·3	94·6	77·7	90·3	83·7	90·4	81·9	81·7	74·4	80·6	77·0	76·4	72·0
12	73·6	69·6	80·4	74·4	83·0	71·1	83·7	71·0	83·0	72·5	86·4	80·4	97·2	82·5	90·0	78·1	89·3	82·6	83·5	73·7	79·7	73·6	77·0	74·9
13	77·4	67·6	81·0	77·3	82·1	72·1	80·6	70·0	84·5	70·3	86·7	78·8	96·0	81·9	88·6	75·5	89·0	82·2	85·8	81·2	75·5	73·2	76·3	73·5
14	82·6	77·1	80·0	75·7	81·4	71·9	79·0	74·3	81·8	70·7	88·1	78·4	90·5	81·0	89·8	83·9	87·5	83·2	85·1	81·9	79·3	73·2	73·8	72·2
15	83·0	76·9	83·7	76·6	77·3	72·0	82·6	73·0	78·2	67·0	88·6	78·3	93·7	83·7	88·6	79·6	87·9	82·1	86·4	82·1	79·5	74·6	75·7	72·8
16	79·4	74·6	83·4	75·8	82·7	71·8	76·9	75·3	81·6	71·6	88·5	79·5	88·5	84·3	90·4	80·5	86·6	82·0	86·6	78·0	78·8	73·1	73·5	65·8
17	78·4	70·7	80·4	76·2	81·9	77·0	80·7	75·9	79·7	70·6	86·3	79·1	89·2	82·0	91·4	86·8	87·2	81·4	83·0	77·8	80·4	73·3	74·1	71·0
18	77·8	75·6	81·7	79·1	82·4	77·8	82·4	75·9	83·6	73·3	85·3	76·9	88·1	79·8	93·2	86·9	86·3	81·9	84·7	74·6	80·0	75·6	73·9	65·5
19	76·5	75·5	81·8	77·7	85·2	77·9	84·7	76·3	85·0	71·9	87·7	73·7	88·5	78·7	91·6	87·1	87·8	83·1	82·0	78·0	79·2	74·5	73·6	65·1
20	76·4	73·9	81·3	78·4	85·6	77·0	85·8	78·6	85·8	72·3	89·2	84·4	88·8	82·9	92·5	86·4	88·2	78·2	78·6	69·9	79·8	77·5	75·0	63·7
21	80·4	71·3	79·3	74·5	79·7	77·0	87·3	77·2	86·7	74·3	87·6	84·6	90·1	78·7	94·4	78·8	85·6	73·2	77·6	69·6	79·1	78·0	72·7	63·9
22	79·3	71·0	78·9	71·2	82·3	77·8	85·6	76·0	87·2	73·4	98·2	86·1	91·8	79·5	91·6	77·1	84·6	81·1	77·5	70·1	79·0	75·3	74·4	67·2
23	82·4	78·5	75·5	63·4	81·8	77·4	83·2	78·7	81·2	76·8	99·7	88·2	95·6	85·8	92·6	76·4	86·0	74·9	81·0	72·2	77·5	67·4	68·4	60·7
24	82·5	77·9	75·6	63·5	84·0	77·0	84·2	73·7	86·6	75·2	96·4	87·4	93·0	79·8	97·2	84·8	83·7	73·1	79·1	78·3	77·0	66·0	75·0	67·1
25	81·1	71·8	75·0	68·2	83·0	80·4	81·9	72·4	87·4	78·4	93·0	86·0	91·3	76·2	89·9	85·4	86·3	73·2	79·6	76·6	78·9	70·8	78·2	73·9
26	75·5	72·1	76·5	61·6	83·7	77·6	84·6	76·6	87·2	77·7	89·8	86·0	92·0	84·7	88·5	82·3	83·0	72·3	85·2	76·8	79·6	76·0	79·2	76·8
27	73·6	67·2	75·4	72·8	84·7	72·0	85·2	75·8	90·4	77·6	86·9	84·6	89·5	84·6	88·0	75·1	89·2	81·5	86·1	80·2	79·9	74·7	79·8	77·8
28	73·3	65·5	78·6	74·8	82·6	69·8	84·5	74·7	91·9	76·6	92·4	85·0	88·8	81·8	88·6	73·2	87·1	79·6	85·4	81·4	82·8	77·9	78·6	75·0
29	78·1	69·1			80·7	76·9	86·4	75·3	89·8	77·3	94·1	84·6	89·9	79·4	88·5	79·1	85·6	76·0	85·2	74·7	79·4	75·1	76·6	73·6
30	79·8	72·3			81·6	77·6	85·6	74·5	85·8	76·6	92·0	85·1	92·7	74·5	86·8	81·7	84·1	76·2	81·4	74·7	77·0	73·3	79·8	76·0
31	79·1	75·8			84·7	77·2			88·4	76·0			93·4	76·1	87·9	83·8			79·6	74·6			79·6	72·8
Mean	78·6	73·1	79·0	72·9	81·4	74·7	82·5	74·4	86·6	75·2	89·2	80·8	91·6	81·2	91·2	81·4	87·2	78·7	83·0	76·0	80·0	73·9	75·9	70·6

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

† See page 23.

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, 1935

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

198. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — FEBRUARY, 1935

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	78	84	86	86	90	90	93	91	93	87	87	87	86	84	80	80	79	86	87	83	84	88	91	89	86·0	9·0
2	86	89	87	86	80	71	80	72	82	73	67	74	80	64	66	72	75	69	72	66	71	66	69	68	74·8	6·4
3	75	79	81	83	87	86	91	94	94	94	95	92	95	97	96	94	96	96	97	95	95	97	98	97	91·2	6·5
4	98	97	97	98	96	95	96	95	94	92	90	87	87	86	84	90	92	89	87	89	91	89	89	90	91·7	7·2
5	89	93	80	87	85	87	89	91	87	83	91	96	98	98	98	96	98	98	98	98	98	98	96	92	92·6	6·4
6	89	89	96	93	91	94	96	96	96	90	80	93	89	89	79	88	75	74	74	77	78	81	83	83	86·6	5·6
7	79	78	74	65	64	68	74	78	84	85	74	66	63	67	69	71	74	78	84	88	89	89	91	91	76·6	4·3
8	89	89	91	91	92	90	91	92	93	95	95	87	69	70	72	77	78	82	89	89	89	88	90	91	86·6	5·4
9	91	92	91	91	92	91	91	92	92	89	85	79	78	78	81	82	87	65	80	89	82	77	79	73	84·3	6·0
10	85	80	87	89	93	96	94	96	96	100	100	83	80	75	74	89	93	92	90	93	92	93	93	96	89·9	7·1
11	97	97	98	99	94	94	96	98	96	94	98	96	87	86	90	91	93	93	93	93	91	93	96	93	94·0	8·7
12	93	96	94	93	91	91	91	83	78	74	77	73	70	71	71	75	76	82	83	93	93	93	93	96	84·5	7·7
13	92	94	96	94	93	94	96	94	93	91	89	86	76	80	76	77	90	93	96	97	93	91	94	85	90·3	8·6
14	75	74	71	73	82	73	70	87	85	77	76	72	66	66	66	71	74	77	78	83	85	83	79	76	76·0	6·5
15	84	90	90	88	89	90	90	87	85	81	93	96	98	98	94	96	96	92	89	86	89	83	86	86	89·6	8·8
16	91	98	99	97	95	93	93	95	95	96	98	95	91	88	90	89	78	89	84	76	73	72	76	73	88·8	9·2
17	75	82	80	79	79	79	89	93	90	90	91	91	90	90	88	83	87	91	90	91	88	88	84	84	86·1	7·9
18	86	87	84	87	86	88	88	86	91	96	98	98	96	99	99	99	99	100	99	100	98	100	99	93	93·8	9·5
19	93	84	85	88	91	91	94	96	98	94	94	85	77	72	72	75	90	92	94	94	95	97	96	99	89·3	8·9
20	99	100	100	98	94	98	98	98	99	99	99	99	100	98	98	94	94	85	91	90	94	93	91	92	96·0	9·6
21	87	86	87	89	87	89	86	87	86	86	84	82	78	86	71	63	61	71	75	87	85	93	90	89	82·8	6·9
22	90	89	91	91	92	95	95	97	95	94	82	75	76	71	71	73	68	70	74	82	88	90	92	92	84·7	5·6
23	93	97	89	81	80	73	75	75	69	68	62	55	53	51	45	43	58	69	75	77	79	80	83	85	71·6	3·9
24	88	90	92	93	92	89	83	87	93	95	95	94	91	91	90	89	93	93	93	92	92	93	95	95	91·4	5·0
25	93	91	92	91	90	84	81	78	72	67	63	64	64	67	59	62	63	72	79	73	75	75	75	76	75·1	4·5
26	75	73	71	77	80	83	86	88	69	63	57	60	60	58	61	65	77	83	86	86	83	80	70	63	73·3	3·8
27	50	47	47	45	44	43	47	55	90	91	96	97	96	95	93	91	90	89	89	89	90	89	94	93	76·5	5·1
28	94	96	93	93	93	91	94	93	91	97	93	93	92	85	90	89	88	92	95	93	95	93	95	96	92·6	7·2
Mean	86·2	87·2	86·7	86·6	86·5	85·9	87·4	88·4	88·8	87·2	86·0	84·1	81·6	80·7	79·7	80·9	82·9	84·4	86·5	87·5	87·7	87·6	88·1	87·0	85·6	†6·8
Vapour Pressure*	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·4	mb. 6·4	mb. 6·4	mb. 6·5	mb. 6·7	mb. 6·9	mb. 7·0	mb. 7·1	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·8	mb. 6·7	mb. 6·6	mb. 6·6	mb. 6·5	mb. 6·5	mb. 6·4	mb. 6·5	mb. 6·5	mb. ‡6·6	
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 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, 1935

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	96	98	98	98	96	100	100	98	93	93	87	83	80	79	78	74	74	90	93	92	93	92	92	90·6	7·1
2	91	93	95	94	93	93	95	97	93	93	90	87	85	78	81	85	85	88	93	95	93	95	95	90	90·7	7·4
3	90	92	95	96	96	93	92	95	90	90	92	92	92	92	92	92	87	77	75	77	78	78	80	83	88·3	6·8
4	81	82	82	87	83	87	89	84	80	76	70	59	68	67	70	81	82	89	89	91	93	95	94	97	82·0	6·2
5	87	82	91	94	94	91	82	82	83	82	82	91	91	88	71	77	75	77	84	89	89	90	92	92	85·7	6·4
6	96	94	96	96	100	100	100	96	93	92	89	90	91	91	89	91	88	91	93	97	96	97	97	97	94·1	7·8
7	98	98	97	98	98	100	98	100	96	86	78	72	71	67	62	76	83	86	86	93	93	92	93	92	88·2	8·4
8	96	96	96	95	95	96	96	92	91	78	63	60	60	62	63	67	78	75	74	67	72	69	70	69	78·8	5·7
9	74	71	70	69	69	69	74	67	64	62	62	63	63	64	66	66	65	79	79	80	75	79	82	85	70·4	4·5
10	86	91	86	82	79	80	80	79	74	73	66	60	61	61	64	64	65	70	74	77	79	76	71	71	74·0	5·1
11	73	73	75	73	76	77	78	80	69	56	54	50	47	46	45	50	58	63	77	83	82	88	87	86	68·3	5·3
12	86	86	89	88	90	91	90	87	73	69	56	54	46	48	47	51	60	68	82	85	87	84	82	87	74·4	5·8
13	82	82	81	85	87	88	92	79	73	68	64	59	61	55	61	65	71	80	85	89	93	93	92	94	78·1	6·1
14	97	98	99	97	95	97	96	95	87	77	70	65	61	65	66	69	69	78	80	78	82	81	85	87	82·4	6·3
15	87	85	85	84	94	98	94	94	95	88	88	80	78	77	82	82	82	88	92	91	94	93	91	91	88·0	6·2
16	88	89	87	88	89	89	88	87	80	76	63	64	49	50	54	63	61	76	76	83	85	86	89	90	77·1	6·3
17	90	89	89	89	90	90	88	89	87	91	86	86	84	76	77	77	79	84	86	88	91	91	91	92	86·6	8·0
18	91	94	95	97	94	98	98	98	99	90	79	77	70	80	87	93	96	94	96	96	96	98	96	96	91·3	8·9
19	99	98	98	99	99	93	94	93	93	93	93	88	83	76	75	83	69	71	76	77	85	86	88	88	87·5	9·5
20	84	88	87	88	93	94	96	86	85	77	63	57	64	56	57	57	58	66	75	81	92	90	96	97	78·5	8·3
21	97	98	98	100	100	98	99	99	99	100	97	94	87	88	96	97	99	100	100	99	100	100	100	100	97·6	8·9
22	99	100	100	94	94	100	99	100	98	90	93	87	84	88	89	86	93	89	91	92	89	92	89	93	93·0	9·0
23	89	87	100	86	86	86	82	83	78	71	75	66	74	86	82	90	88	86	88	88	90	93	93	91	85·0	8·1
24	91	88	86	85	86	87	85	78	77	71	67	67	62	64	62	61	80	82	88	96	96	98	98	98	81·2	8·5
25	96	95	93	92	92	88	91	90	93	94	94	96	96	98	96	98	96	95	80	76	78	76	71	69	89·9	9·9
26	77	79	70	70	68	72	71	61	60	56	55	57	52	57	51	58	57	82	78	75	77	75	74	79	66·9	6·9
27	80	75	71	71	74	80	78	82	77	63	54	52	51	46	48	51	55	65	92	97	80	85	87	90	70·7	6·8
28	92	96	97	96	96	96	96	91	70	53	64	64	61	63	65	63	67	70	68	66	67	75	75	77	76·5	6·3
29	80	75	79	79	74	77	78	76	76	90	84	81	85	86	85	84	90	89	90	93	93	97	96	96	84·3	7·4
30	96	97	97	99	91	91	93	88	86	88	87	88	88	89	88	88	88	83	88	87	86	87	84	87	89·5	8·9
31	87	90	91	87	90	90	90	93	93	90	91	91	84	81	71	70	71	67	68	67	70	74	71	71	81·5	8·2
Mean	88·9	88·9	89·5	88·9	89·1	89·8	89·7	87·8	84·2	78·9	76·2	73·7	72·0	71·8	71·7	74·6	76·4	80·1	83·7	85·3	86·2	87·3	87·1	88·0	83·0	†7·3
Vapour Pressure*	mb. 7·0	mb. 7·0	mb 7·0	mb. 6·9	mb. 6·9	mb. 6·9	mb. 7·0	mb. 7·1	mb. 7·3	mb. 7·3	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. 7·1	mb. 7·1	mb. 7·1	mb. 7·0	mb. 7·0	mb. 7·0	mb. ‡7·1	

200. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres APRIL, 1935

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	74	77	74	73	69	72	64	66	68	68	61	59	57	58	78	60	56	56	67	79	75	70	70	76	67·7	5·9
2	75	74	74	74	73	72	74	66	53	47	53	52	48	43	40	41	47	52	68	75	76	78	76	76	62·8	4·7
3	75	76	75	75	75	75	73	62	53	38	39	38	39	43	44	42	52	60	67	73	75	85	83	83	62·4	4·8
4	85	82	81	79	80	90	78	71	65	60	40	41	76	40	37	36	42	46	52	65	78	82	82	80	65·4	4·6
5	80	82	84	84	82	81	76	69	60	43	37	41	38	40	37	50	52	62	73	79	78	82	83	80	65·5	4·6
6	84	80	83	89	89	86	82	73	46	43	38	38	38	44	42	48	49	59	74	75	82	86	90	90	66·8	5·2
7	90	91	92	93	95	96	96	94	85	78	87	82	80	88	89	89	93	94	93	97	97	97	95	88	90·6	6·4
8	92	93	94	91	91	87	84	86	82	73	69	65	59	60	60	60	62	72	81	87	87	83	85	89	78·8	6·5
9	89	89	91	93	95	96	95	96	95	93	87	70	71	71	72	71	86	86	90	93	96	96	96	98	88·0	8·1
10	96	96	91	98	96	96	91	89	86	87	89	90	89	90	91	93	91	89	86	93	93	93	94	94	91·6	9·5
11	93	91	91	86	81	82	84	84	83	70	64	56	57	58	75	88	87	87	85	82	79	82	82	84	79·8	7·2
12	80	87	78	78	78	82	78	67	60	49	40	45	41	39	39	36	44	47	70	73	83	89	88	86	64·8	5·8
13	91	90	89	89	90	91	90	87	71	62	67	56	55	55	64	69	65	68	74	72	71	70	70	69	74·3	5·6
14	75	80	84	89	87	90	90	93	87	85	87	86	90	86	87	88	88	89	92	93	93	93	95	94	87·8	7·1
15	94	98	100	98	98	98	98	86	85	77	79	75	86	82	79	76	74	80	86	87	92	92	93	93	87·6	7·5
16	93	92	90	90	90	92	90	88	88	87	88	88	93	91	89	89	90	90	89	90	88	91	88	92	89·8	6·9
17	93	93	93	93	90	95	93	92	87	87	83	85	88	90	93	86	87	87	90	88	90	92	95	91	90·1	7·5
18	92	92	93	92	90	93	86	88	87	88	82	87	76	76	73	68	79	86	90	91	89	90	90	92	86·2	8·0
19	92	93	93	92	93	92	87	77	72	65	66	62	64	59	56	67	69	74	79	83	84	86	87	91	78·5	7·9
20	93	91	96	96	96	94	96	92	89	94	89	83	88	83	69	81	86	86	88	69	93	94	94	91	89·6	9·4
21	93	93	91	94	93	93	81	69	58	60	56	56	60	60	46	47	72	71	79	78	79	84	82	90	74·4	8·7
22	90	90	95	97	98	97	96	90	81	74	70	74	68	61	68	70	78	81	85	88	88	87	87	88	83·4	8·7
23	90	90	94	94	97	94	94	90	86	84	84	89	87	82	76	79	78	77	81	83	84	90	90	88	86·7	9·2
24	88	88	89	89	89	89	78	76	73	67	82	66	71	69	69	69	70	69	76	87	80	89	87	90	79·1	7·6
25	90	91	91	92	91	90	84	85	87	81	75	73	70	72	81	86	85	82	86	88	86	90	92	92	85·0	7·5
26	90	89	85	87	87	87	83	71	69	58	60	71	76	76	77	79	82	86	86	87	88	94	94	92	81·4	8·0
27	90	92	90	90	93	93	89	91	87	86	87	78	78	70	70	72	72	73	82	85	87	87	94	93	84·5	8·5
28	98	96	98	98	98	98	98	98	99	99	96	92	83	78	77	71	70	69	83	91	96	98	97	97	90·7	8·8
29	97	97	98	97	99	99	96	94	91	86	79	71	72	63	64	66	66	67	88	93	94	100	98	98	86·4	9·5
30	98	100	100	98	98	97	98	97	98	87	69	65	73	80	75	76	82	81	86	90	85	88	88	88	87·6	8·7
Mean	88·7	88·6	89·2	89·6	89·4	89·9	86·7	82·9	77·7	72·5	70·1	67·8	69·0	67·2	67·2	68·4	71·8	74·2	80·9	84·5	85·5	87·9	88·2	88·4	80·3	†7·3
Vapour Pressure*	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·9	mb. 7·0	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·2	mb. 7·2	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·3	mb. 7·2	mb. 7·1	mb. 6·9	mb. ‡7·1	
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 humidities. †Mean of the column. ‡Mean of the row.

201. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres

MAY, 1935

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	88	89	89	86	86	86	82	77	74	69	61	61	57	53	60	62	61	70	79	88	89	92	90	92	76·6	8·2
2	91	93	94	96	97	97	96	94	94	84	83	72	74	72	69	67	66	70	77	85	87	90	90	94	84·6	9·2
3	91	88	88	92	93	90	89	84	71	52	51	47	51	46	50	49	50	65	74	73	67	78	76	82	71·0	9·6
4	84	82	87	82	83	79	68	42	85	33	34	32	35	35	41	47	52	54	56	57	54	63	67	71	57·4	7·9
5	72	67	66	71	67	69	62	47	60	47	38	43	37	37	37	32	33	36	48	50	70	75	82	83	<u>55·1</u>	8·1
6	84	89	89	91	88	88	77	74	64	59	54	56	54	55	54	57	60	63	68	71	74	78	84	86	71·5	<u>10·4</u>
7	91	89	90	91	88	86	86	86	82	69	68	69	63	62	61	61	63	80	79	86	87	88	90	88	79·3	9·6
8	94	94	94	87	86	85	81	75	74	63	53	51	46	50	50	54	58	61	61	70	71	79	82	84	71·0	8·7
9	89	92	87	86	85	84	86	88	87	85	72	70	69	72	66	69	73	75	81	82	87	87	87	88	81·0	8·5
10	90	91	90	94	94	94	91	91	91	83	74	68	72	74	74	82	86	88	89	88	91	94	93	93	<u>86·4</u>	9·0
11	90	89	90	89	90	85	76	61	52	49	44	40	44	49	46	44	46	55	81	76	78	78	76	78	67·3	8·7
12	72	74	76	74	71	69	62	56	46	40	40	40	40	44	51	56	54	62	63	70	66	69	76	85	60·5	5·8
13	86	87	85	85	87	88	61	51	49	46	48	48	46	43	45	49	64	88	91	91	93	97	98	95	71·5	5·9
14	91	90	91	82	84	84	80	84	64	75	79	50	49	37	41	42	46	46	49	57	77	85	91	90	69·4	5·5
15	90	91	92	92	94	95	96	65	53	68	94	92	90	93	88	88	88	80	83	73	72	57	69	60	82·4	5·5
16	62	58	62	69	71	66	62	54	51	47	37	38	33	34	35	42	52	53	71	77	76	82	84	92	58·0	<u>4·5</u>
17	98	93	92	89	88	84	80	75	74	69	60	59	68	82	70	74	72	72	88	88	77	71	69	65	78·0	5·7
18	69	65	63	63	61	55	49	46	41	37	37	35	27	30	36	43	52	67	75	90	89	89	91	89	57·6	5·0
19	89	89	89	89	89	84	75	67	54	51	47	50	43	39	43	49	57	66	70	76	82	85	88	90	69·2	6·3
20	92	89	96	94	96	88	81	73	61	56	48	47	49	47	54	42	40	41	48	67	82	84	83	83	68·5	6·9
21	83	82	82	78	78	63	61	55	54	51	48	50	47	50	46	46	48	51	60	65	69	80	80	85	63·0	6·9
22	85	89	82	87	84	75	55	47	47	50	48	46	50	49	51	54	58	63	66	75	83	84	84	87	66·6	7·3
23	88	90	91	88	88	84	80	61	57	55	52	56	54	48	54	53	55	58	63	68	75	82	90	92	70·0	7·8
24	93	93	90	95	97	96	86	83	83	73	66	61	60	61	62	63	60	65	76	79	84	88	87	88	78·8	8·3
25	90	87	86	88	86	79	78	77	67	67	60	57	53	48	54	56	56	55	61	77	83	82	82	80	71·4	8·0
26	83	83	86	89	88	88	86	81	72	62	62	57	60	57	54	53	56	54	67	80	82	84	84	85	73·0	8·2
27	89	90	92	93	90	90	84	74	67	64	67	66	64	61	61	60	60	49	67	74	77	87	89	92	75·1	9·3
28	93	89	93	97	89	78	73	70	59	56	62	47	46	38	38	39	45	60	73	82	90	90	91	93	70·5	9·3
29	92	92	93	94	94	92	91	80	73	69	64	62	60	61	61	59	64	68	75	83	91	94	96	96	79·3	9·5
30	95	97	97	97	96	94	94	88	90	86	82	80	78	68	71	69	66	67	72	80	88	84	81	88	83·8	8·6
31	88	88	87	87	82	76	65	63	59	55	57	53	53	52	52	53	55	58	64	73	81	81	85	90	69·0	7·9
Mean	86·6	86·4	86·7	<u>87·0</u>	86·1	82·9	77·2	70·0	64·7	60·3	57·7	54·9	53·9	<u>53·1</u>	54·0	55·3	57·9	62·6	70·2	75·8	79·7	82·5	84·3	85·9	71·5	†7·7
Vapour Pressure*	mb. 7·1	mb. 6·9	mb. 6·9	mb. <u>6·7</u>	mb. 6·8	mb. 7·1	mb. 7·3	mb. 7·3	mb. 7·5	mb. 7·6	mb. 7·7	mb. 7·7	mb. 7·8	mb. 7·6	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·2	mb. <u>8·3</u>	mb. 7·9	mb. 7·5	mb. 7·3	mb. 7·3	mb. 7·1	mb. ‡7·5	

202. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres

JUNE, 1935

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	92	93	93	87	80	71	63	61	52	57	56	51	58	56	57	59	64	67	73	78	85	85	85	71·5	<u>8·0</u>
2	85	91	89	87	84	87	84	71	77	73	70	64	64	67	70	83	82	90	90	91	93	94	93	91	82·0	8·0
3	93	94	94	94	94	91	89	86	85	84	63	52	56	56	59	55	56	80	88	91	92	93	93	93	80·4	9·8
4	94	94	96	98	98	98	96	95	91	85	83	74	78	89	84	87	89	92	92	91	92	93	93	93	90·6	10·5
5	93	94	92	93	92	91	89	86	84	75	74	70	67	67	85	87	80	78	87	86	89	91	91	92	84·7	10·7
6	97	93	94	94	93	93	93	92	86	89	83	73	70	75	83	88	83	92	95	94	95	93	90	94	88·8	11·0
7	93	92	88	94	95	94	93	91	96	90	80	64	64	85	84	75	85	86	90	84	88	91	88	79	86·5	11·1
8	80	77	77	78	77	85	88	91	90	89	82	82	79	70	70	59	58	55	61	68	69	74	80	89	76·0	8·3
9	93	96	95	92	89	84	76	69	60	58	62	66	56	54	53	53	57	62	62	71	78	81	86	83	72·5	8·0
10	79	79	83	80	82	85	76	73	78	89	86	82	85	90	94	93	94	95	94	94	94	93	94	94	86·7	11·2
11	94	92	93	88	95	92	80	69	76	68	56	51	81	81	87	93	93	92	91	89	89	88	89	88	84·1	10·8
12	87	84	83	83	86	86	76	74	77	81	72	75	68	68	66	65	75	76	87	92	88	92	92	92	80·1	10·0
13	93	91	92	92	95	91	92	94	89	79	79	62	63	51	68	72	84	85	89	95	92	90	90	91	84·1	10·3
14	90	88	88	91	90	83	81	78	78	74	83	66	59	66	85	83	83	77	83	83	84	92	93	94	82·1	10·3
15	96	94	93	94	94	95	92	84	75	80	64	73	59	60	57	60	74	77	88	94	91	93	93	98	82·3	10·4
16	96	98	98	98	96	92	79	70	73	68	59	54	65	63	76	61	70	75	86	92	92	92	94	93	81·0	10·3
17	93	89	86	93	90	86	87	82	87	88	80	80	76	78	91	87	89	81	77	81	87	91	90	92	85·9	10·2
18	92	92	93	92	92	93	95	93	95	92	93	89	89	89	86	83	63	61	57	78	88	86	89	92	86·3	9·9
19	93	93	94	96	91	87	86	76	76	79	70	72	67	72	77	87	93	95	96	97	97	99	99	99	87·0	10·5
20	99	99	99	98	99	99	99	98	97	96	95	96	99	99	98	91	87	88	92	96	97	98	98	99	96·5	14·2
21	99	97	99	99	97	97	97	98	98	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	<u>99·0</u>	14·8
22	100	99	99	99	100	96	96	93	83	74	69	69	63	60	65	68	66	74	84	83	86	88	89	91	83·3	17·8
23	89	86	84	84	86	89	83	80	80	76	72	72	69	68	66	67	65	76	78	83	86	85	93	92	79·5	<u>19·3</u>
24	93	90	93	92	90	89	87	88	84	82	73	78	75	77	79	81	77	78	80	88	92	94	97	97	85·5	18·3
25	97	97	97	98	98	97	92	90	86	87	83	86	88	87	88	86	80	85	91	94	94	96	97	95	91·3	16·6
26	95	97	97	97	97	97	97	96	97	96	97	96	99	95	95	86	83	83	83	90	96	97	95	96	94·0	15·3
27	97	98	98	98	98	98	97	98	96	96	97	97	97	94	90	80	75	77	77	78	86	93	93	94	91·8	13·7
28	95	91	94	93	93	91	86	78	72	67	67	72	70	58	68	71	78	81	83	91	92	95	96	94	82·4	14·0
29	93	95	94	94	93	78	68	65	68	66	61	55	56	54	51	41	44	48	50	57	65	85	85	81	<u>68·9</u>	12·9
30	89	95	96	96	97	98	97	97	92	93	88	87	78	68	63	67	74	71	78	91	94	96	97	95	87·1	14·9
Mean	92·6	92·2	92·4	<u>92·6</u>	92·3	90·7	87·4	83·9	82·9	80·6	76·6	73·7	<u>73·0</u>	73·3	76·5	75·5	76·5	79·1	82·5	86·5	88·8	91·3	92·1	92·2	84·4	†12·0
Vapour Pressure*	mb. 10·8	mb. 10·7	mb. 10·7	mb. <u>10·6</u>	mb. 10·9	mb. 11·3	mb. 11·6	mb. 11·7	mb. 12·1	mb. 12·2	mb. 12·2	mb. 12·2	mb. 12·1	mb. 12·1	mb. 12·4	mb. 12·4	mb. 12·4	mb. <u>12·5</u>	mb. 12·4	mb. 12·1	mb. 11·7	mb. 11·5	mb. 11·3	mb. 11·1	mb. ‡11·7	
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 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, 1935

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	97	96	97	96	96	97	97	96	94	91	88	87	86	87	83	82	90	90	91	93	94	91	91	93	91·8	14·3
2	91	92	93	95	96	94	89	82	81	75	73	71	73	74	74	78	90	89	92	88	90	87	88	89	85·3	14·7
3	88	89	89	83	81	82	74	71	66	62	63	62	69	65	63	81	91	95	95	97	98	98	97	96	81·3	12·3
4	96	95	93	92	82	85	78	76	76	75	66	59	68	71	90	91	92	88	92	90	91	93	94	94	84·5	13·5
5	94	93	93	91	91	91	91	86	85	77	78	75	70	79	75	70	69	76	76	77	81	83	83	84	82·2	12·7
6	84	83	80	75	76	79	76	73	72	72	67	65	62	62	63	62	58	61	68	77	80	85	89	90	73·2	10·8
7	94	94	96	90	88	81	71	64	61	66	59	62	57	61	59	57	56	58	65	83	87	92	92	91	74·3	12·0
8	91	92	92	93	93	77	85	72	68	63	61	57	59	59	55	53	54	57	69	78	86	88	90	88	74·3	13·6
9	92	92	93	96	96	89	81	71	67	68	66	64	57	57	58	56	55	52	60	74	79	82	86	89	74·1	12·8
10	92	93	93	90	90	86	95	93	96	93	93	94	96	93	96	91	81	74	68	80	83	91	88	94	89·2	13·8
11	99	97	96	92	90	83	71	71	55	54	52	52	50	52	52	53	51	51	68	85	82	91	95	95	72·3	11·9
12	96	95	94	95	99	96	81	71	64	65	62	62	63	65	62	68	72	62	71	79	84	90	88	92	78·2	15·5
13	92	91	95	95	92	91	85	80	75	77	72	75	65	64	61	60	51	67	78	81	89	89	89	88	79·3	16·0
14	95	92	93	92	97	93	92	85	88	92	85	87	89	93	94	92	91	92	90	90	93	90	90	90	91·0	13·6
15	89	92	95	97	91	90	88	84	81	73	61	61	68	63	61	56	42	49	65	73	77	87	84	85	75·6	13·1
16	83	81	80	80	86	85	80	83	80	74	82	86	83	82	85	86	87	85	87	92	95	91	89	86	84·5	13·1
17	87	84	87	80	79	71	73	73	80	78	86	83	72	70	65	58	56	61	72	84	82	80	84	87	76·3	10·8
18	91	92	91	93	93	88	81	75	73	71	69	67	85	85	83	89	73	69	76	80	84	96	96	96	83·0	10·8
19	94	93	99	93	97	94	88	80	79	77	65	69	64	65	76	90	90	95	96	95	99	93	96	96	86·7	11·1
20	94	94	95	95	97	94	91	89	87	91	73	70	69	66	61	61	66	62	66	73	74	78	76	78	79·5	11·7
21	76	79	77	80	76	72	69	59	66	69	61	64	60	69	59	61	55	61	69	85	99	91	99	98	72·7	10·1
22	99	100	100	96	100	98	95	98	99	100	96	98	98	96	82	92	90	87	90	94	93	98	99	98	95·7	14·7
23	98	99	100	99	98	94	92	84	77	77	67	67	74	74	74	71	75	80	91	89	91	89	91	93	85·3	16·5
24	93	89	85	84	75	77	67	60	60	55	55	57	57	57	54	58	56	63	72	80	77	83	91	94	70·7	11·8
25	90	97	97	88	93	88	83	72	69	72	68	63	63	67	67	66	70	73	76	76	75	79	87	91	78·0	10·9
26	95	95	93	90	87	80	77	71	72	78	66	62	59	63	63	71	86	92	92	96	98	99	99	98	82·5	13·6
27	97	99	98	98	98	96	91	97	92	94	93	94	94	92	90	90	87	86	84	85	82	82	78	76	91·0	14·9
28	74	80	76	73	83	79	79	75	79	80	73	73	75	73	75	71	66	67	77	81	79	80	78	87	76·1	10·7
29	83	86	86	86	83	78	69	61	57	56	56	56	54	50	55	54	53	59	71	71	76	86	81	90	69·0	9·7
30	84	86	90	90	94	83	71	63	47	49	43	40	38	39	38	43	47	48	63	69	75	79	88	95	65·0	9·2
31	92	92	90	95	88	83	80	67	62	52	46	42	46	38	34	34	34	38	65	65	75	73	77	82	64·8	9·5
Mean	91·0	91·3	91·5	90·1	89·8	86·3	81·9	76·8	74·5	73·4	69·2	68·5	68·5	68·7	68·0	69·2	68·5	70·5	77·3	82·6	85·4	87·5	88·8	90·4	79·6	†12·6
Vapour Pressure*	mb. 11·6	mb. 11·4	mb. 11·1	mb. 10·9	mb. 11·1	mb. 11·6	mb. 12·3	mb. 12·5	mb. 12·8	mb. 13·1	mb. 12·9	mb. 13·2	mb. 13·3	mb. 13·5	mb. 13·3	mb. 13·2	mb. 13·1	mb. 13·0	mb. 13·3	mb. 13·0	mb. 12·5	mb. 12·1	mb. 11·8	mb. 11·6	mb. ‡12·4	

204. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — AUGUST, 1935

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	Vapour Pressure*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	87	88	91	90	89	76	65	63	69	59	56	55	61	57	70	57	69	71	78	80	74	71	86	72·8	11·9
2	89	88	87	90	92	82	74	67	65	69	69	63	64	60	61	60	64	67	74	79	85	90	92	92	75·9	11·8
3	100	93	99	97	99	94	93	88	69	67	54	52	55	53	52	59	62	66	71	83	89	91	88	87	77·7	11·4
4	85	91	98	93	95	94	94	89	80	81	72	62	62	61	70	76	80	81	84	88	87	93	94	91	83·3	13·0
5	96	96	96	97	98	98	96	92	92	90	88	84	82	82	83	87	83	78	80	92	91	93	91	94	89·9	15·6
6	94	95	95	96	96	94	81	78	79	73	71	72	79	73	63	67	73	77	80	88	93	97	96	99	83·6	15·4
7	98	98	99	100	100	100	100	96	96	92	83	83	84	80	74	81	82	86	85	88	92	93	96	99	91·0	15·1
8	99	96	96	94	95	96	94	94	90	82	80	78	74	70	67	78	76	84	88	91	91	92	89	86	87·0	15·9
9	86	73	78	75	83	76	68	70	66	65	62	62	63	58	61	57	60	68	78	80	90	90	90	93	72·8	11·9
10	94	95	94	91	89	89	87	85	80	73	76	75	73	82	84	86	87	89	89	94	95	96	96	98	87·2	14·0
11	97	97	97	97	98	97	97	97	96	94	93	93	89	87	91	89	87	91	95	96	91	87	84	89	93·0	15·5
12	80	91	83	88	88	86	82	69	67	65	65	55	49	55	53	51	52	65	74	82	86	90	90	91	73·2	10·1
13	96	94	98	97	98	97	94	80	64	61	61	55	59	64	70	66	68	72	77	80	83	87	84	84	78·9	10·0
14	83	91	89	87	88	88	85	80	78	70	67	68	66	68	70	74	82	80	81	86	89	86	85	88	80·2	12·0
15	88	95	91	90	89	87	88	86	83	75	78	72	72	68	57	60	59	73	73	83	86	91	93	93	80·3	11·3
16	92	93	93	92	94	95	96	98	98	97	97	96	87	88	86	85	90	91	94	97	98	97	97	98	93·6	13·9
17	98	98	97	97	98	98	97	97	97	94	88	83	83	95	92	95	93	96	92	92	96	96	95	96	94·3	16·5
18	97	97	97	97	98	97	96	96	93	91	82	88	88	81	72	74	79	78	91	95	94	94	96	96	90·7	16·6
19	97	96	98	98	99	98	98	97	91	77	72	73	73	77	72	73	79	92	93	99	99	100	100	100	89·5	15·3
20	100	100	100	100	100	100	100	100	100	96	97	92	89	87	80	84	78	80	88	95	93	98	98	98	93·9	16·9
21	98	98	97	98	97	94	82	75	73	62	64	70	73	83	83	73	69	79	79	83	86	91	87	90	82·8	14·0
22	96	97	97	97	99	93	90	89	85	76	72	77	75	77	73	70	75	76	63	76	89	91	89	96	84·0	11·6
23	90	97	96	94	95	94	87	77	69	61	58	61	66	71	70	72	79	81	90	93	93	92	95	94	82·3	12·3
24	90	91	82	81	78	87	90	89	88	79	73	65	60	66	74	73	73	83	88	89	91	89	91	90	81·7	16·7
25	90	91	92	92	94	94	94	94	94	94	93	94	91	84	86	82	85	88	91	96	97	96	96	93	91·7	15·2
26	95	92	92	91	92	91	94	96	93	94	92	83	77	76	85	95	95	96	94	92	92	93	93	92	91·0	13·1
27	92	87	84	83	81	79	68	71	66	59	49	47	54	52	64	61	73	72	79	88	91	94	97	96	74·4	9·3
28	94	98	94	90	91	91	90	87	80	72	62	65	54	73	81	77	78	77	83	86	92	88	86	83	82·5	9·2
29	86	88	92	94	96	94	92	80	75	70	54	59	56	53	62	59	71	76	80	88	91	92	91	93	78·6	9·8
30	93	94	95	95	96	94	92	90	89	91	85	93	95	94	94	95	95	95	97	97	97	98	97	98	94·0	12·4
31	96	96	95	96	97	97	92	94	83	88	87	82	74	74	73	71	77	78	86	88	92	92	93	96	87·4	12·6
Mean	92·8	93·3	93·2	92·8	93·7	92·3	89·3	86·0	82·0	78·3	74·6	72·8	71·6	72·7	72·9	74·2	76·2	80·1	83·5	88·5	90·9	92·0	91·6	92·9	84·5	†13·3
Vapour Pressure*	mb. 12·1	mb. 11·9	mb. 11·6	mb. 11·5	mb. 11·7	mb. 12·0	mb. 12·7	mb. 13·2	mb. 13·5	mb. 13·6	mb. 13·6	mb. 13·7	mb. 13·8	mb. 14·0	mb. 14·0	mb. 14·1	mb. 14·1	mb. 14·0	mb. 13·8	mb. 13·5	mb. 13·1	mb. 12·8	mb. 12·6	mb. 12·5	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 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, 1935

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

206. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — OCTOBER, 1935

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	Vapour Pressure*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	94	96	98	96	94	91	94	92	82	73	80	75	73	69	72	71	86	80	92	94	92	94	93	86·6	8·8
2	93	93	94	94	95	96	96	95	96	91	91	89	87	88	88	86	89	86	91	92	92	89	87	91	91·3	8·0
3	91	94	93	94	94	96	94	94	93	88	75	71	75	66	73	76	79	90	94	98	97	98	100	96	88·2	9·5
4	96	96	98	96	100	100	96	96	88	86	88	80	69	73	83	87	87	88	88	88	88	88	92	93	89·4	9·1
5	93	95	96	95	95	95	95	93	93	92	91	91	89	86	82	78	84	89	89	91	93	90	88	87	90·5	10·3
6	87	83	85	83	79	81	84	76	76	87	87	83	82	79	84	86	86	88	88	88	89	89	91	91	84·6	9·3
7	93	93	93	94	96	99	99	96	94	92	89	89	84	81	72	69	72	80	82	82	84	86	86	84	87·2	9·3
8	95	94	95	96	96	96	96	91	81	81	85	83	68	80	71	82	84	81	84	87	87	87	87	90	86·4	9·0
9	90	90	95	90	90	87	90	84	85	88	77	86	83	83	89	94	94	94	96	96	96	96	98	94	90·1	8·7
10	91	90	85	85	87	86	84	82	90	89	87	90	80	78	80	86	86	80	82	87	83	85	86	86	85·4	7·9
11	92	90	92	90	87	87	90	86	83	80	77	81	81	74	76	82	78	77	78	80	83	90	89	85	83·7	7·5
12	91	93	90	88	93	94	94	87	85	86	82	81	82	74	79	83	82	78	81	84	81	81	85	86	85·0	8·2
13	83	86	88	87	88	87	88	91	89	85	83	84	73	83	84	88	89	93	94	95	95	95	95	91	88·0	10·9
14	84	72	80	75	76	86	84	83	87	88	85	77	84	79	81	84	85	89	92	93	92	92	92	91	84·6	10·6
15	92	93	91	89	91	92	93	91	94	94	92	93	90	89	93	94	95	95	96	95	96	96	97	96	93·1	12·1
16	95	96	95	94	89	87	87	84	84	72	61	62	68	63	69	73	76	79	80	82	88	79	77	89	80·5	10·4
17	88	88	87	89	86	87	89	88	91	88	92	92	87	91	83	84	83	82	76	83	77	77	70	70	84·9	9·1
18	74	68	74	76	85	87	87	80	85	94	85	79	80	94	99	95	95	97	97	94	94	83	82	77	85·7	8·9
19	74	73	76	80	78	81	78	90	86	84	76	87	77	82	76	73	73	73	73	73	77	67	68	71	77·0	7·6
20	68	67	67	59	58	61	60	66	57	47	49	55	54	48	44	51	63	68	74	80	84	84	84	85	63·3	4·6
21	82	83	84	87	88	90	92	92	91	92	94	98	98	92	92	93	93	91	85	83	83	83	86	85	89·0	5·6
22	85	83	84	86	88	89	90	91	92	92	83	78	74	76	76	82	85	88	90	89	89	87	87	87	85·4	5·7
23	89	92	94	95	94	94	96	94	88	82	81	74	72	71	77	82	84	91	94	94	96	96	94	94	88·1	7·4
24	96	96	97	96	96	94	96	96	97	97	96	97	96	97	97	97	99	97	97	99	99	99	99	97	96·9	8·9
25	100	100	93	93	95	97	95	97	95	93	96	94	88	87	86	88	89	92	94	94	92	92	92	93	93·2	8·0
26	92	96	97	97	93	97	94	97	99	98	98	98	96	97	92	88	85	84	85	89	89	88	89	79	92·7	9·9
27	85	82	82	80	90	94	94	96	96	90	91	89	88	88	88	89	89	90	89	90	87	86	85	85	88·3	11·4
28	86	87	87	86	79	77	87	80	78	77	75	73	81	84	92	95	98	96	99	98	94	90	89	91	86·5	11·1
29	90	89	89	90	88	94	88	87	91	89	87	80	79	77	82	85	77	75	87	83	82	75	88	93	85·2	9·0
30	89	88	93	92	87	92	92	93	94	91	92	93	88	88	87	80	88	90	87	84	85	77	81	80	88·2	7·8
31	91	84	82	79	85	84	82	80	77	73	71	65	62	69	72	78	85	87	82	88	85	87	84	82	79·7	6·4
Mean	88·7	88·0	88·8	88·2	88·5	89·7	89·7	88·7	88·0	86·1	83·5	83·0	80·3	80·3	81·2	83·2	84·6	86·2	87·2	88·7	88·7	87·2	87·8	87·5	86·4	†8·7
Vapour Pressure*	mb. 8·2	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·3	mb. 8·7	mb. 9·0	mb. 9·1	mb. 9·2	mb. 9·2	mb. 9·2	mb. 9·2	mb. 9·1	mb. 9·0	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·7	mb. 8·3	mb. 8·3	mb. 8·2	mb. ‡8·6	
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 the mean relative 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, 1935

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

208. ESKDALEMUIR: Louvred Hut: h_t = 0·9 metres — DECEMBER, 1935

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	92	87	87	90	90	88	88	90	93	92	92	89	85	87	91	92	89	85	82	76	80	82	78	87·4	5·8
2	83	85	80	82	84	82	80	80	77	75	75	79	79	75	74	77	77	77	72	74	74	70	74	73	77·5	5·5
3	73	74	77	80	80	80	79	80	80	76	75	77	78	78	78	85	81	82	87	85	85	90	84	88	80·2	6·0
4	85	85	85	85	84	85	80	80	78	77	74	74	78	82	85	87	88	91	93	98	98	98	98	98	85·9	5·8
5	98	93	92	92	90	90	90	89	90	92	92	90	82	84	86	90	93	95	96	96	96	96	96	96	91·9	4·9
6	96	96	95	94	92	92	94	96	96	100	100	100	100	100	100	100	98	96	94	93	93	93	93	93	96·1	5·0
7	93	93	93	95	96	97	98	98	99	100	100	100	100	99	98	98	96	96	98	94	98	94	88	89	96·3	514
8	89	84	85	93	94	93	96	96	98	96	93	93	90	91	88	91	88	88	90	91	87	89	93	93	91·1	6·7
9	90	88	91	89	89	85	85	87	83	82	81	81	77	81	81	82	87	87	87	87	87	90	87	90	85·6	6·8
10	89	93	89	91	95	95	94	96	94	93	91	83	80	80	78	80	77	80	75	77	77	84	80	85	85·8	6·3
11	86	81	82	86	86	84	80	80	78	82	73	76	83	81	82	85	87	93	94	94	96	95	95	90	85·3	6·0
12	95	96	96	96	98	95	97	97	97	97	95	95	90	93	93	93	95	94	93	93	91	91	93	87	94·2	7·2
13	88	88	84	85	89	91	89	91	91	93	91	88	85	85	88	89	91	93	93	94	96	96	96	96	90·3	6·3
14	96	96	96	94	92	90	84	82	81	80	80	80	82	87	91	96	95	94	94	95	95	96	97	97	90·4	5·6
15	97	97	97	97	97	97	98	96	93	87	83	77	85	86	82	88	88	88	89	90	91	95	91	88	90·9	5·8
16	85	85	89	80	81	79	76	79	77	75	67	66	66	66	58	66	72	78	82	83	85	89	87	87	77·4	4·1
17	88	88	87	87	86	88	87	83	84	82	78	76	76	79	78	80	83	83	84	85	83	81	82	83	83·1	5·1
18	81	82	83	85	86	87	90	91	91	93	92	92	91	90	89	90	91	91	92	93	92	88	88	86	88·3	4·2
19	87	86	86	86	87	87	87	87	86	84	83	81	76	75	76	80	83	84	86	87	88	92	92	89	84·7	4·4
20	89	90	91	92	89	91	90	89	87	87	78	76	75	76	75	73	74	76	73	74	75	78	81	82	81·9	4·0
21	81	84	87	87	89	91	91	92	91	91	85	84	82	88	88	88	91	93	97	97	94	92	90	92	89·2	4·0
22	92	91	84	83	84	84	86	86	82	77	70	60	55	63	69	70	75	75	78	77	73	68	75	81	76·7	4·4
23	85	85	87	88	89	90	90	91	91	89	86	82	78	75	80	82	85	87	87	87	89	88	87	87	85·9	2·9
24	87	87	88	85	84	80	79	85	84	78	76	74	74	87	96	87	83	80	87	87	89	89	91	92	84·5	5·0
25	92	96	96	94	94	93	98	98	98	90	91	91	90	88	90	88	93	93	95	94	90	90	92	89	92·7	7·0
26	89	92	90	89	92	89	86	86	87	85	91	91	91	89	94	96	96	97	97	98	98	97	98	97	92·1	8·0
27	97	96	98	94	91	91	91	91	93	91	93	91	91	91	93	96	95	95	96	99	98	95	97	98	94·1	8·7
28	97	98	98	98	97	97	97	97	98	97	95	97	94	90	95	95	87	88	88	82	82	81	84	89	92·7	7·6
29	89	91	96	94	96	96	94	96	98	98	100	100	98	98	98	95	98	98	89	91	91	87	87	87	94·4	6·8
30	88	88	90	93	98	97	98	96	97	96	93	91	88	86	87	91	91	94	93	92	92	93	90	96	92·3	8·1
31	94	96	92	94	96	96	93	98	96	93	93	93	93	96	97	98	98	99	98	96	96	96	94	93	95·4	7·7
Mean	89·2	89·5	89·4	89·5	90·2	89·7	89·2	89·7	89·2	88·0	86·0	84·8	83·7	84·7	85·6	87·3	88·0	88·8	89·1	89·2	88·8	89·0	89·1	89·3	88·2	†5·8
Vapour Pressure*	mb. 5·6	mb. 5·6	mb. 5·6	mb. 5·5	mb. 5·5	mb. 5·5	mb. 5·5	mb. 5·5	mb. 5·5	mb. 5·6	mb. 5·3	mb. 5·9	mb. 5·9	mb. 6·0	mb. 5·9	mb. 5·7	mb. 5·7	mb. 5·7	mb. 5·7	mb. 5·7	mb. 5·3	mb. 5·8	mb. 5·8	mb. 5·7	mb. ‡5·7	
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 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 1935

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	% 89·6	% 89·7	% 89·9	% 89·9	% 89·7	% 89·0	% 87·3	% 85·1	% 82·9	% 80·1	% 77·5	% 75·5	% 74·3	% 74·1	% 74·9	% 76·3	% 77·9	% 80·3	% 83·4	% 85·8	% 87·2	% 88·2	% 88·8	% 89·3	% 83·6
Vapour Pressure (in Millibars)*	mb 8·1	mb 8·0	mb 7·9	mb 7·9	mb 8·0	mb 8·0	mb 8·2	mb 8·4	mb 8·6	mb 8·7	mb 8·8	mb 8·9	mb 8·9	mb 8·9	mb 8·9	mb 8·9	mb 8·8	mb 8·7	mb 8·7	mb 8·5	mb 8·4	mb 8·3	mb 8·2	mb 8·1	mb 8·5

* 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 1935

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
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
January	85·6	+1·2	+0·5	+1·2	+1·7	+0·3	+0·1	+0·7	+1·2	+1·4	+0·6	-0·3	-1·2	-2·4	-3·6	-2·3	-1·5	-0·7	+0·3	-0·1	-0·1	+0·7	+0·8	+0·5	+0·9
February	85·6	+0·9	+1·8	+1·3	+1·2	+1·1	+0·5	+1·9	+2·6	+3·2	+1·6	+0·4	-1·5	-4·0	-5·0	-6·0	-4·9	-2·8	-1·4	+0·6	+1·6	+1·8	+1·7	+2·2	+1·0
March	83·0	+5·6	+5·7	+6·2	+5·7	+5·9	+6·7	+6·6	+4·7	+1·1	-3·2	-6·8	-9·3	-10·9	-11·1	-11·2	-8·2	-6·4	-2·7	+0·9	+2·7	+3·6	+4·7	+4·5	+5·4
April	80·3	+8·7	+8·7	+9·2	+9·5	+9·3	+9·8	+6·6	+2·7	-2·5	-7·7	-10·1	-12·5	-11·3	-13·1	-13·1	-11·9	-8·6	-6·2	+0·5	+4·0	+5·1	+7·4	+7·7	+7·9
May	71·5	+15·4	+14·9	+15·3	+15·5	+14·6	+11·5	+5·7	-1·5	-6·8	-11·2	-13·8	-16·6	-17·6	-18·4	-17·5	-16·2	-13·6	-8·9	-1·4	+4·3	+8·2	+10·9	+12·8	+14·4
June	84·4	+8·3	+7·9	+8·0	+8·3	+7·9	+6·4	+3·1	-0·4	-1·5	-3·5	-7·8	-10·7	-11·4	-11·1	7·9	-8·9	-7·9	-5·3	-1·9	+2·1	+4·4	+6·6	+7·6	+7·7
July	79·6	+11·2	+11·6	+11·7	+10·3	+10·1	+6·5	+2·3	-2·8	-5·2	-6·2	-10·4	-11·1	-11·1	-10·8	-11·6	-10·3	-10·7	-8·9	-2·2	+3·1	+6·0	+8·1	+9·4	+11·0
August	84·5	+8·5	+9·0	+8·9	+8·5	+9·3	+7·9	+4·9	+1·6	-2·4	-6·2	-9·9	-11·7	-12·9	-11·9	-11·7	-10·4	-8·4	-4·5	-1·1	+3·8	+6·3	+7·3	+6·9	+8·2
September	84·9	+7·4	+7·7	+7·8	+8·1	+8·2	+7·3	+6·4	+4·5	+0·6	-4·3	-6·7	-10·3	-12·6	-13·5	-11·8	-9·8	-7·5	-2·9	-0·4	+0·7	+3·5	+4·9	+5·8	+6·7
October	86·4	+2·1	+1·4	+2·2	+1·6	+1·9	+3·2	+3·2	+2·2	+1·5	-0·4	-2·9	-3·5	-6·1	-6·1	-5·2	-3·1	-1·7	-0·1	+0·9	+2·5	+2·5	+1·0	+1·6	+1·3
November	89·8	+1·7	+2·5	+2·6	+2·8	+2·2	+2·6	+1·9	+1·0	+1·0	-1·0	-2·9	-5·0	-6·2	-5·9	-3·2	-1·3	+0·4	+1·0	+0·5	+0·5	+0·6	+0·5	+1·7	+1·9
December	88·2	+1·1	+1·4	+1·2	+1·4	+2·1	+1·6	+1·0	+1·5	+1·0	-0·2	-2·2	-3·4	-4·5	-3·6	-2·6	-0·9	-0·3	+0·6	+0·8	+0·9	+0·5	+0·7	+0·8	+1·0
Year	83·6	+6·0	+6·1	+6·3	+6·3	+6·1	+5·4	+3·7	+1·4	-0·7	-3·5	-6·2	-8·1	-9·3	-9·5	-8·7	-7·3	-5·7	-3·3	-0·2	+2·2	+3·6	+4·6	+5·1	+5·7

† 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 1935

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 67·2	mm 61·5	mm 76·1	mm 73·0	mm 60·8	mm 55·3	mm 42·6	mm 49·7	mm 68·0	mm 75·7	mm 69·5	mm 67·8	mm 66·0	mm 51·9	mm 62·0	mm 66·3	mm 50·1	mm 58·4	mm 66·0	mm 71·1	mm 60·1	mm 67·8	mm 61·9	mm 74·3	mm 1523·1
Duration	56·4	47·7	54·1	57·2	56·0	52·9	43·8	50·6	53·4	42·8	48·1	51·5	45·5	39·4	42·7	43·9	44·4	46·5	50·1	49·2	48·1	49·1	54·4	58·6	1186·4

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

NOTES ON RAINFALL

212 ESKDALEMUIR 1935

Rainfall Duration. There were 135 days on which no duration of rainfall was registered. There were 38 days on which the duration of rainfall was registered as 0·1 hour to 1·0 hour, 34 days with 1·1 to 2·0 hours, 80 days with 2·1 to 6·0 hours, 67 days with 6·1 to 12·0 hours, and 15 days with more than 12 hours. The day with the greatest duration was April 13th when the duration was 22·4 hours, the amount falling being 27.4 mm.

Notable falls of the Year.

(a) The greatest amount in a 60-minute period was 10·3 mm, which was recorded between 1h and 2h September 19th. Falls of 5 mm in one hour or less occurred on 19 days; on September 2 this amount fell in 10 minutes.

(b) Details of the greatest continuous falls are as follows:-

Date	Amount	Duration
	mm	hrs.
February 20	37	11·0
August 26	27	8·3
August 30	36	11·5
September 13-19	41	7·9
October 7-8	27	7·0

Wet Periods. (a) There were two "rain spells" (i.e. periods of fifteen or more consecutive days on each of which 0·2 mm or more of rain fell), viz. September 26 - October 11, and October 23 - November 22.

(b) There was one "wet spell" (i.e. period of fifteen or more consecutive days on each of which 1·0 mm or more of rain fell), viz. October 23 - November 6.

Dry Periods. (a) There were no periods of "absolute drought" (i.e. fifteen or more consecutive days to none of which is credited 0·2 mm of rain or more) or of "partial drought" (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. May 19 - June 1.

Rate of Rainfall (Jardi Recorder).

The highest instantaneous rate of rainfall was 113 mm/hr. at 15h 55m on September 15. The maximum rate exceeded 50 mm/hr. on April 10, June 4 and 11, July 18 and September 2, 3, and 14.

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, 1935

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	...	...	·7	1·5	2·1	2·2	2·9	1·2	·3	·4	·5	·6	·4	·3	·3	·4	·1	·2	·1	·1	·3	14·8	17·2	3
2	·4	·6	·2	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	4·5	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·0	...	...	...	...	...	1·8	1·9	2
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....	...	...	...	...	·2	·2	(*)	0·4	0·9	...
7	(·1)	...	...	·2	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·8	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·5	1·0	2·0	3·1	2
10	·2	...	...	·1	...	...	·3	·2	...	...	...	·8	2·6	·5	·7	·4	·1	...	...	...	...	...	...	·3	6·2	6·5	4
11	·1	(···)	(···)	(·1)	(···)	(···)	·2	...	...	...	3·2	2·5†	·6	·5	...	...	·4	1·8	1·7	·1	1·0	2·0	3·4	2·3	19·9	10·5	11
12	1·6	·2	1·2	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	2·9	...
13	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·6	·3	·5	·7	·4	...	...	·1	...	·1	·1	3·6	6·4	...
14	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·9	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡⁝)	(≡⁝)	(·1)	(···)	(···)	(···)	0·1	...	...
16	(···)	(···)	(·1)	(···)	(···)	(···)	...	...	...	...	...	...	...	·1	·1	...	...	...	...	(≡⁝)	(≡⁝)	(·1)	(≡⁝)	...	0·4	1·4	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
24	...	...	...	·8	1·4	...	...	...	...	·1	·3	·7	1·3	·3	...	...	...	1·5	2·1	1·4	·2	·4	...	1·1†	11·6	10·4	12
25	·2	·5	·9†	·5	·4	·7	·5	·4	·6	...	2·1	·9	1·3	...	1·6	1·5	·5	·6	·5	...	...	...	...	...	13·7	11·1	5
26	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·6	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	·1	·1	0·5	1·4	...
29	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5	...
30	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·0	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	0·4	0·4	3
Sum	2·8	1·5	2·6	2·4	2·1	1·5	2·5	2·8	2·9	3·1	7·0	5·3	6·9	2·5	3·3	2·9	2·6	5·4	5·7	1·6	1·7	3·2	4·4	5·2	81·9	83·0	
Total Duration	hr 3·8	hr 2·0	hr 2·7	hr 4·1	hr 2·5	hr 2·6	hr 2·9	hr 2·6	hr 2·3	hr 1·5	hr 4·5	hr 4·3	hr 5·3	hr 4·6	hr 4·0	hr 3·3	hr 3·7	hr 5·1	hr 4·6	hr 1·7	hr 2·6	hr 3·8	hr 3·4	hr 5·1	hr 83·0		

† 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, 1935

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	·8	·3	·8	·5	·3	·3	·4	·3	·2	·1	...	...	...	...	...	...	...	...	...	·1	1·1	1·0	6·4	11·0	3
2	·3	·6	·5	·1	...	...	·3	...	·3	·1	·3†	·1	·3	...	...	...	...	...	...	...	...	...	...	...	2·9	4·4	8
3	...	...	...	...	...	(···)	(·1)	·2	·8	·4	·3	·1	...	...	·2	...	...	...	·2	·1	...	·1	...	·2	2·7	5·9	1
4	·2	1·3	1·4	·4	...	...	...	...	...	...	...	...	...	...	...	...	·2	·8	·1	...	...	...	...	...	4·4	3·6	4
5	...	...	·1	...	...	...	...	...	...	...	1·9	2·2	·8	1·6	1·0	·5	·2	...	...	...	·1	1·7	1·3	·3	11·7	7·2	1
6	·2	...	·3	·4	·5	·4	·1	·6	·1	·1	(*)	(·1)	(···)	·2	...	·1	...	...	...	...	...	...	...	...	3·1	5·2	2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	(···)	(·1)	...	·1	·7	·1	·1	(···)	(·1)	·2	·2	·1	·1	·2	·1	...	·3	·5	·8	3·7	8·3	2
11	·2	·2	·3	(···)	(·1)	(···)	·1	...	...	(···)	(···)	(·1)	(···)	...	...	...	...	(···)	...	...	...	·1	2·9	1·9	5·9	5·0	4
12	·3	1·5	2·0	1·9	·7	·7	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	8·5	7·3	10
13	1·1	2·1	2·0	1·5	·3	·3	·5	·7	·2	·2	...	...	...	...	...	...	...	...	·2	·1	...	·5	1·2†	3·2	14·1	10·3	14
14	...	...	...	·6†	·5	...	...	·4	4·2	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	5·9	2·1	12
15	...	...	...	...	...	...	...	...	...	...	·1	1·1	1·1	·7	3·1	3·9†	1·4	·9	...	...	...	...	...	...	12·3	6·9	7
16	...	·3	1·8	1·8	1·4	·9	·8	1·0	1·1	2·9	3·0	1·4	2·0	1·0	2·6	2·2	·1	2·0†	1·0	...	...	...	...	...	27·3	15·6	25
17	...	...	...	...	...	·1	...	·9	·7	·2	·1	·1	·2	·3	2·0†	...	·3	·5	·4	...	...	...	...	...	5·8	5·9	8
18	...	...	...	...	...	...	...	...	·3	2·4	3·6†	·9	·1	·1	(≡⁝)	(·1)	·2	·3	·5	2·4	1·5	1·1	·9	·9	15·3	10·3	14
19	...	...	...	...	...	...	·5	1·6	4·5	4·0	1·4	1·7†	...	...	...	...	...	...	...	...	...	·2	1·9	1·1	16·9	6·8	23
20	·4	·2	·3	1·1	1·1	3·4	5·0	3·9	4·6	4·7	4·0†	5·8	2·0	·7	...	·1	...	...	·4	·1	...	...	...	...	37·8	14·1	12
21	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	...	...	...	...	...	·1	...	...	0·5	1·3	3
22	...	...	...	...	...	...	...	...	...	(*)	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	0·1	...	...
23	...	·9	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·5	...
24	...	...	...	...	...	...	...	...	·1	·5	·8	·8	·1	·1	...	...	...	...	...	...	...	...	...	1·3†	3·7	3·9	5
25	·7	·3	·6	·1	(*)	(·1)	...	(*)	(*)	(*)	...	...	...	(·1)	(*)	(*)	(*)	...	...	...	...	...	...	...	1·9	2·5	3
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	·9	1·5	·7	·1	...	...	...	...	...	...	...	...	·1	·2	3·5	3·4	1
28	·3	...	...	...	...	...	·4	1·1	(···)	(·1)	...	...	...	...	...	·1	...	...	...	...	...	...	·1	·1	2·2	2·5	3
Sum	3·7	7·6	10·3	8·2	5·4	6·4	8·7	11·0	17·4	16·6	16·7	16·1	7·4	5·2	9·3	7·2	2·5	4·6	3·0	2·8	1·8	4·2	10·0	11·6	197·7	145·0	
Total Duration	hr 6·4	hr 7·0	hr 9·7	hr 6·8	hr 5·8	hr 5·4	hr 6·2	hr 8·9	hr 8·8	hr 7·7	hr 8·0	hr 8·4	hr 6·5	hr 6·5	hr 5·3	hr 3·8	hr 3·4	hr 3·4	hr 4·4	hr 2·8	hr 1·6	hr 3·3	hr 5·9	hr 9·0	hr 145·0		
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).

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, 1935

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	0·6	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	·2	·3	·1	...	...	...	·2	·1	...	·1	·8	·4	·1	2·9†	1·8	1·5	...	...	...	...	...	...	...	8·5	7·0	7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	2·7†	3·6	2·2	8
5	1·7†	...	...	...	...	...	...	...	...	...	...	1·7	2·3	·2	...	...	...	...	...	...	...	...	...	...	5·9	2·2	7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·3	1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	·1	·1	·2	·1	(···)	(·1)	(···)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	2·1	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·4	·5	·5	·1	·1	...	·4	2·7	6·6	3
19	·3	·3	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	3·3	1
20	...	...	...	...	...	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·1	2
21	...	...	...	...	...	·1	·1	(···)	(·1)	(···)	...	...	...	...	(·1)	(···)	·2	·2	...	...	...	·1	·9	1·5	3·3	4·8	2
22	1·3	·3	·8	1·3	·6	·2	·1	...	·6†	·1	1·0	·1	...	...	...	...	·1	·6	...	·3	·5	1·9	...	·1	9·9	9·0	32
23	2·0	1·1	3·2†	·9	·6	·3	·3	·2	...	...	...	...	...	...	...	...	·1	·1	...	·1	...	·4	·8	·5	10·6	10·2	17
24	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·8	1·3	1·2	·3	4·8	6·5	2
25	·2	...	...	...	...	...	...	...	...	·1	·2	·3	...	...	...	...	...	·1	1·7†	...	...	...	...	...	2·6	3·4	17
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	·3	0·5	0·8	2
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·4	·3	·3	·5	·5	·2	·4	·9	1·8	1·9†	7·7	10·9	7
30	1·3	·3	·1	·1	...	...	...	(···)	(···)	(·1)	(···)	(···)	(···)	(···)	(·1)	(···)	(···)	(···)	...	...	...	...	...	...	2·0	3·3	4
31	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8	1
Sum	7·1	2·3	4·7	2·6	1·4	1·7	1·1	0·4	1·0	0·5	1·3	2·9	2·8	0·7	3·5	2·2	2·8	1·9	2·8	1·9	1·8	5·1	5·3	7·7	65·5	76·1	
Total Duration	hr 5·2	hr 4·2	hr 4·0	hr 3·8	hr 2·1	hr 3·0	hr 2·8	hr 0·7	hr 1·4	hr 1·3	hr 1·4	hr 2·5	hr 2·2	hr 1·8	hr 2·0	hr 2·6	hr 4·1	hr 4·4	hr 2·9	hr 3·7	hr 3·2	hr 5·1	hr 5·0	hr 6·7	hr 76·1		

† 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, 1935

Day	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		
	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	...	...	...	...	0·5	0·5	7
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·8	1·1	1·6	·2
4	·2	·1	...	...	...	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	2·0	1
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·5	·5	·6	1·2	3·5	·5	...	5†	...	...	...	7·5	5·0	12
8	(···)	(·1)	(···)	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·1	...
9	...	...	·1	1·6	·8	·4	...	...	2·7†	1·7	3·0	...	...	...	...	...	...	...	...	...	...	...	...	1·2	11·5	5·1	40
10	1·2	·9	·8	2·3	2·9	·8	·1	·2	...	1·2	...	...	·2	1·0	8·0	4·3†	2·4	·4	2·5	2·2	·4	·1	2·8	3·4	38·1	16·5	66
11	1·8	3·9	1·0	1·1	·6	·1	...	·6	1·2	...	...	...	...	...	·1	3·8†	2·9	·7	·1	...	...	...	...	...	17·9	9·2	10
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	·4	·3	·2	...	...	...	2·1†	1·2	...	(···)	(·1)	...	...	...	...	...	...	...	4·3	4·3	5
15	...	...	...	...	...	...	...	...	...	...	...	...	·7†	·6	...	...	...	...	...	...	...	...	...	...	1·3	1·6	5
16	...	·4	·6	·9	·9	1·0	1·1	1·1	1·0	1·4	1·7	1·8	1·9	1·3	·4	1·0	·5	·5	·7	1·7	1·3	2·2	2·5	1·5	27·4	22·4	3
17	1·4	1·8	·8	1·0	·4	·4	1·2	·8	·3	·1	...	2·1†	·4	·3	3·0	...	...	...	...	...	...	...	·1	·1	14·2	12·3	12
18	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	0·8	1·9	3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	·4	·1	1·0	1·1	·7	·1	...	...	·1	1·4	·3	...	3·2†	·2	...	·3	...	...	·8	1·0	1·6	·7	·3	...	13·3	12·0	44
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·5	...	...	...	...	0·9	1·6	3
23	...	...	·6	1·7	·9	·7	·5	·5	·3	·4	·5	·4	...	...	...	...	...	...	...	...	...	...	...	...	6·5	9·5	3
24	...	...	...	...	...	...	...	...	...	...	·4†	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2	12
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	(≡⁝)	(≡⁝)	(≡⁝)	(≡⁝)	(·1)	(≡⁝)	(≡⁝)	(≡⁝)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	(≡⁝)	(≡⁝)	(·1)	(≡⁝)	(≡⁝)	...	...	...	...	...	...	...	...	...	...	·2	...	·1	...	...	...	...	0·4	1·5	...
31																											
Sum	5·0	7·3	4·9	10·0	7·6	3·9	3·5	3·5	5·8	6·2	5·9	4·4	8·6	5·1	12·0	10·0	7·3	5·4	5·3	5·8	3·8	3·2	5·8	7·0	147·3	108·3	
Total Duration	hr 4·2	hr 4·6	hr 6·0	hr 7·9	hr 7·3	hr 6·0	hr 4·6	hr 5·5	hr 5·3	hr 3·8	hr 3·2	hr 2·7	hr 4·5	hr 3·9	hr 3·7	hr 3·8	hr 3·9	hr 4·6	hr 4·9	hr 4·8	hr 3·0	hr 2·5	hr 3·4	hr 4·2	hr 108·3		
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	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, 1935

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	·4	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·8	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·5	1·5	1·6†	·7	·3	·1	5·8	5·5	8
14	...	...	·2	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4	...
15	...	...	...	...	...	...	...	...	...	...	1·6	2·5†	1·2	2·3	·7	·6	·7	·9	·1	...	...	...	...	...	10·6	7·7	6
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	4·3	5·2	1·4	...
17	5·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	5·9	1·3	3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	0·2	0·3	3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	5·6	...	0·4	0·4	0·5	0·2	...	0·2	...	...	1·6	2·5	1·2	2·3	0·7	0·6	0·7	1·0	1·6	2·0	1·6	0·9	1·0	4·4	29·4	19·4	
Total Duration	hr 1·0	hr ...	hr 0·5	hr 1·0	hr 1·0	hr 0·5	hr ...	hr 0·2	hr ...	hr ...	hr 0·6	hr 1·0	hr 1·0	hr 1·0	hr 1·0	hr 1·0	hr 1·0	hr 1·2	hr 1·1	hr 1·6	hr 1·0	hr 1·2	hr 1·1	hr 1·4	hr 19·4		

† 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, 1935

Day	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
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	1·5†	(···)	(·1)	·7	1·5	·2	...	4·5	3·7	6
3	...	...	...	...	...	...	...	·1	·3	·9†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·8	6
4	...	...	1·1	1·1	·6	(···)	(·1)	·1	...	...	...	...	...	6·4†	...	·7	·6	·3	·2	...	...	...	...	...	11·4	6·5	65
5	(···)	(·1)	...	...	...	...	...	(···)	(·1)	(···)	...	...	...	...	·2	·5	·2	...	...	...	...	...	...	...	1·1	1·4	3
6	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·7	...	1·0	1·1	2·2†	...	...	...	·2	5·3	3·9	10
7	·3	...	...	...	2·6	·3	·5	·3	3·2	1·3	...	...	...	1·3	...	...	·3	...	·6†	...	...	...	1·7	...	12·4	5·9	30
8	...	...	...	...	...	...	...	...	·3	2·2†	2·1	1·4	1·2	...	·1	...	...	...	...	...	...	...	...	...	7·3	5·0	8
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	·1	...	...	...	...	·3	·1	·3	·2	2·4	·1	·3	2·1	1·9†	...	·5	...	...	·2	8·5	5·3	9
11	1·4	...	...	4·4†	1·1	·1	...	...	...	·1	·1	...	·8	1·0	·5	1·3	1·2	...	·1	1·5	·9	·3	·4	·2	15·4	10·9	52
12	·9	·3	...	...	...	...	...	...	...	1·2	...	...	...	...	...	...	...	...	...	...	...	·6†	·2	·1	3·3	3·2	18
13	·1	(·1)	(···)	1·3†	·4	...	1·2	1·6	1·6	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	4·0	22
14	·1	...	·1	...	...	...	...	...	...	...	1·0†	...	...	·1	·6	·5	...	...	·1	·1	...	...	...	...	2·8	3·7	12
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·9†	2·6	·1	...	...	...	5·1	2·2	28
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9†	·1	...	...	...	...	...	...	...	...	2·0	1·0	6
18	...	...	...	...	...	1·0	·4	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	3·6	3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·3	·6	·7	1·3	·6	4·0	6·3	3
20	·8	·9	·4	·4	·4	·4	·5	·3	·5	·1	·3	2·2†	·1	...	...	...	...	...	...	...	...	...	...	...	7·3	10·7	5
21	...	...	...	·1	·3	1·4	1·2	1·5†	(···)	(·1)	(···)	·1	·2	·1	...	...	...	...	...	...	...	·3	·3	(···)	5·6	8·2	16
22	(···)	(·1)	(···)	(···)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	0·8	1·1	3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	·3	·6	·9	1·6	·7	·3	1·2†	...	...	...	...	...	...	·3	·2	1·0	·4	7·5	8·0	12
27	1·7†	·7	1·0	1·1	1·4	·7	·5	1·0	1·7	·7	·4	·3	...	...	·3	...	...	...	(···)	(···)	(·1)	(···)	(···)	...	11·6	12·1	9
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	·7†	1·9	·8	·4	·1	...	·1	2·7	·7	·4	1·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	9·0	7·4	14
Sum	6·0	4·1	3·4	8·8	6·9	4·1	4·5	8·0	9·1	7·9	7·1	4·9	2·9	10·3	6·2	4·4	2·6	5·5	6·3	6·8	3·2	3·6	5·2	2·4	134·4	115·9	
Total Duration	hr 4·9	hr 3·6	hr 4·1	hr 4·9	hr 6·3	hr 5·2	hr 5·2	hr 7·3	hr 7·5	hr 5·9	hr 5·5	hr 5·1	hr 3·5	hr 4·6	hr 4·5	hr 4·9	hr 2·6	hr 3·7	hr 4·2	hr 4·3	hr 4·2	hr 3·6	hr 5·8	hr 4·5	hr 115·9		
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).

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, 1935

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	·3	1·3	·3	·7	1·0	·5	·1	(···)	(·1)	(···)	·3	2·0†	·9	·5	...	·2	...	...	...	8·3	11·3	9
2	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	3·0†	1·0	·3	·1	...	...	...	...	4·7	4·1	48
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	·3†	·6	·3	·3	·3	·5	3·4	6·5	6
4	·1	·6	·3	·3	·2	...	...	...	...	...	...	...	...	...	·4	·1	·3	·2	·1	·1	·2	·4	·3	·7	4·3	11·2	3
5	·5	·5	·3	·1	·2	·2	·1	·3	·2	...	...	·2†	...	...	·2	...	...	...	...	...	...	...	...	...	2·8	7·5	7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·2	·3	·6	·3	1·1	·8	1·5	·4	·5	·1	...	...	...	...	...	...	...	...	5·8	7·6	3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	6·9†	...	...	8·0	1·1	47
17	...	...	...	...	...	...	...	...	...	·4†	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·6	1·3	5
18	...	...	...	...	...	...	...	...	...	...	...	...	2·8†	·9	1·3	4·1	·5	...	...	...	...	1·0	...	...	10·6	3·0	69
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	·3	2·0	1·3	·4	1·1†	...	·2	·9	7·5	5·1	21
20	...	(···)	(·1)	(···)	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	1
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	(···)	(···)	(···)	(·1)	(···)	(···)	...	...	...	...	...	...	...	...	...	...	0·1	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	·6†	...	...	...	1·0	1·6	8
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	(···)	(·1)	0·6	1·7	2
27	·6	·3	·7	·8	·2	(···)	(·1)	...	...	·2	1·7	·4	·4	·4	·5	·1	...	...	...	...	...	...	...	...	6·4	9·5	4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
Sum	1·2	1·4	1·5	1·3	1·0	0·5	1·7	0·9	1·5	1·9	3·4	1·7	4·7	1·8	2·9	6·0	6·3	5·0	2·6	1·3	3·9	8·7	0·8	2·2	64·4	72·2	
Total Duration	hr 2·3	hr 2·8	hr 3·3	hr 3·3	hr 3·6	hr 1·8	hr 1·9	hr 2·4	hr 2·5	hr 2·1	hr 3·4	hr 3·3	hr 2·5	hr 2·1	hr 3·2	hr 3·5	hr 3·1	hr 4·1	hr 4·0	hr 3·3	hr 5·0	hr 4·0	hr 2·1	hr 2·6	hr 72·2		

† 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, 1935

Day	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
	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	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	2·5	1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	(⌓)	(·1)	(≡!)	(≡!)	(≡!)	(≡!)	(≡!)	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌓)	(⌓)	(⌓)	(⌓)	0·1	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·4	1·1	2·2	3·0	3
11	1·6	·4	1·7	1·3	·1	...	...	·4	·4	·3	·1	·2	1·3†	·5	·3	2·5	·6	·2	1·3	1·4	3·3	·8	1·3	·6	20·6	16·7	15
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	·2	1·7	1·7	1·2	1·6	·6	·3	...	...	...	...	...	...	...	...	...	...	·1	·1	7·5	8·2	4
17	·1	·2	·1	·1	1·1	·4	·1	·2	...	...	...	...	...	3·3†	·8	·2	...	...	...	...	...	...	...	...	6·6	8·7	13
18	...	·4	1·2	·7	·6	·1	...	...	...	...	...	·6	1·0†	...	...	...	...	...	...	...	...	...	...	...	4·6	4·5	12
19	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(···)	(···)	(·1)	(···)	0·3	1·6	...
20	(···)	(·1)	(···)	(···)	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡!)	(≡!)	0·3	1·4	1
21	(≡!)	(·1)	(≡!)	(≡!)	(≡!)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	....	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	...	1·0	·9	2·5	2·9	3
25	...	...	3·5†	...	·2	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	2·1	36
26	...	...	...	...	...	...	2·6	1·8	1·1	·4	·5	·1	...	...	·5	1·7	1·9	5·6†	5·5	4·7	3·1	2·3	1·2	...	33·0	13·3	11
27	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·9	1
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	0·2	0·4	1
29	...	...	...	...	(···)	(·1)	(···)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·3	1·1	2·9	3
30	·1	·4	·3	·2	1·2	·2	...	...	·2	3·7	1·2	2·6†	6·1	3·8	3·1	2·8	2·8	2·3	1·8	4·5	3·0	1·2	1·6	...	43·1	17·7	58
31	·1	(···)	(·1)	(···)	(···)	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·4	2
Sum	2·2	1·7	7·0	2·4	3·6	2·3	4·4	4·1	2·9	6·0	2·4	3·8	8·4	7·6	4·7	7·4	5·3	8·1	8·6	11·1	9·6	5·2	6·1	3·0	127·9	88·2	
Total Duration	hr 4·0	hr 3·1	hr 4·9	hr 4·0	hr 5·6	hr 7·3	hr 2·5	hr 3·4	hr 3·6	hr 3·0	hr 2·6	hr 3·3	hr 2·1	hr 2·3	hr 2·4	hr 3·7	hr 2·9	hr 2·4	hr 3·0	hr 3·7	hr 4·0	hr 4·6	hr 5·7	hr 4·1	hr 88·2		
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

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, 1935

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	·3	1·9	1·5	·2	2·7†	4·5	11·9	6·4	26
2	1·0	2·8	10·0†	...	·2	·6	...	...	1·3	1·9	1·1	1·1	·7	...	...	·4	...	...	...	...	...	...	...	...	21·1	8·0	63
3	...	...	...	·2	...	...	...	...	...	1·8	·7	·1	...	...	·7	·9	...	...	...	2·9†	...	1·5	...	...	8·8	4·4	54
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	...	...	...	...	...	...	...	0·8	1·1	2
13	1·5	1·5	·5	·5	...	...	...	...	·2	·2	...	...	...	(···)	...	(·1)	...	(···)	3·7†	·7	·1	...	...	...	9·0	5·3	20
14	·7	...	...	·1	·1	8·0†	·4	...	...	·5	·8	·8	1·1	...	...	·1	...	...	...	...	...	...	...	...	12·6	5·5	60
15	...	...	...	...	·4	...	·1	·1	·5	1·5	·7	1·9	...	·1	...	3·8†	...	...	...	...	·7	...	...	...	9·8	5·6	113
16	...	...	...	1·4†	·2	·6	...	...	...	...	...	...	·1	·1	·3	...	...	·1	·3	·3	·7	1·4	1·0	·1	6·6	8·4	9
17	...	...	2·8†	3·8	2·1	...	...	·4	·9	·2	...	...	·5	...	...	...	...	·1	...	...	1·0	1·1	1·3	·7	14·9	7·7	14
18	·1	·1	·8	·7	·6	·7	·8	1·2	·1	·1	1·0†	...	...	...	...	·1	...	...	·1	·2	·1	2·5	3·4	5·2	17·8	12·6	33
19	5·8	10·3†	8·2	3·5	1·6	·5	...	·7	·3	1·1	·5	2·3	·1	...	·4	...	...	...	...	...	...	...	...	...	35·3	9·2	40
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	·2	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	2·7	1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·5	·1	...	...	...	...	...	...	0·8	2·6	1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·9	1·0	1·3	·7	·2	·5	1·0	6·2	7·6	3
27	·9	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	1·3	1·5	2
28	...	...	...	...	·4	·3	·7	·2	1·0	1·7†	·9	·6	1·3	...	...	...	...	...	(···)	...	...	...	...	...	7·1	6·5	6
29	...	...	...	...	(≡⁞)	(·1)	(≡⁞)	...	...	...	...	...	...	...	...	...	...	...	·8†	·8	1·7	2·7	2·3	2·5	10·9	5·3	13
30	1·7	...	...	...	·9	·6	·4	·7	·1	...	...	·4	...	...	...	·9	·6	...	...	·3	1·3†	...	·6	·2	8·7	6·5	50
Sum	11·7	15·0	22·3	10·4	6·5	11·4	2·6	3·5	4·4	9·0	5·7	7·4	3·8	0·2	1·4	6·5	2·5	1·9	6·2	8·4	7·8	9·6	11·8	14·2	184·2	106·9	
Total Duration	hr 5·0	hr 3·6	hr 3·6	hr 5·5	hr 4·9	hr 4·9	hr 3·9	hr 4·8	hr 5·0	hr 5·1	hr 5·0	hr 6·0	hr 3·8	hr 0·6	hr 2·0	hr 3·0	hr 3·8	hr 2·5	hr 4·7	hr 5·9	hr 6·1	hr 5·1	hr 6·3	hr 5·8	hr 106·9		

† 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, 1935

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	·1	...	...	2·5	3·5†	1·4	2·2	1·5	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	11·7	5·9	35
2	...	...	...	...	...	...	...	...	...	...	..	...	...	·2	(···)	(·1)	(···)	(···)	·1	1·4	3·5†	·5	...	·1	5·9	4·1	6
3	·5	1·3	·8	·3	1·2	·5	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·9	6·0	3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·1	1·2	1·1	3
5	·2	...	·6	2·8	2·2†	2·4	1·4	2·1	1·5	·9	·7	·3	·2	...	...	...	...	...	...	...	...	...	...	...	15·3	10·8	5
6	...	...	...	...	...	...	...	...	...	...	·2	·3	...	(···)	(·1)	(···)	...	...	...	...	...	...	...	...	0·6	0·6	2
7	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·2	·1	0·4	1·7	2
8	1·8	2·6	4·8	5·9	5·7	5·8†	·5	·2	...	...	...	·9	...	1·0	·3	·5	·3	...	...	...	...	...	...	...	30·3	7·9	38
9	...	...	...	...	...	...	...	...	·1	...	·1	·9	1·1†	...	·2	1·3	·5	·9	·4	·2	·1	...	·4	·5	6·7	9·4	14
10	·5	1·1	...	...	...	...	·2	...	2·7	2·5	·6	3·1	·7	·3	·9†	·6	1·9	...	...	·5	·1	1·1	1·1	·5	18·4	9·4	18
11	1·6	2·1	·1	2·9†	1·8	·6	1·3	·1	·1	·6	...	...	·3	...	...	·3	...	...	...	...	·1	...	...	...	11·9	7·3	14
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	·1	·3	·5	2·1	2·8†	4·5	4·2	1·7	·2	16·7	7·8	10
14	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	2
15	...	...	...	...	...	...	·2	·2	·3	·4	·4	·3	·5	·4	·2	·5	·2	·2	·3	2·5†	1·0	·5	·3	·3	8·7	11·9	9
16	1·3	·7	·1	·5	·6	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	3·7	4·7	4
17	...	...	...	...	...	...	·5	·1	·1	·4	1·1	1·6	4·7†	2·7	1·2	...	·6	...	...	...	·2	...	...	...	13·2	6·8	23
18	·7	...	...	...	...	...	...	...	...	...	...	...	...	·3	·8	3·2	·9	·1	1·3	3·8	2·5	3·8†	·1	...	17·5	7·0	78
19	...	...	·1	·3	1·4†	2·4	·9	·8	1·5	2·2	·1	·5	·2	...	...	...	...	...	...	...	...	...	...	...	10·4	7·5	13
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	·5	·7	·7	2·0†	1·4	·1	...	...	...	...	...	...	...	...	5·4	4·6	7
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·3	·7	1·7	1·1	·7	1·4	6·8	6·9	3
24	·7	·9	·8	·2	·2	·5	·2	...	·1	...	...	·4	·1	·1	·1	·1	·5	·3	·3	·8	·9	·5	·5	·4	8·6	16·3	3
25	·1	...	...	·7	·5	·3	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	4·7	2
26	...	...	...	...	...	...	...	·1	·7	·3	(···)	(·1)	·1	1·5	1·0	...	...	...	...	...	...	...	...	...	3·8	4·5	4
27	...	...	...	...	·1	·3	·7	·6	1·6	1·0	·5	·1	·1	...	·1	1·3	·9	1·6	·6	·1	...	...	...	...	9·6	12·1	2
28	...	...	·1	(···)	(·1)	(···)	(···)	...	...	...	...	...	...	...	...	1·3	1·7	1·9	2·2	1·3	·3	...	...	·1	9·0	5·9	3
29	·2	...	...	...	...	·7	·3	·2	...	·4	·3	·3	·7	·8	1·5†	·3	...	...	·3	·4	·4	·6	·8	3·4	11·6	7·9	15
30	1·7	1·8	·1	·1	...	...	·1	2·9	1·9	2·2	2·1	3·2	2·4	·3	·3	·2	...	·1	2·2†	...	...	...	...	...	21·6	12·5	22
31	1·4	·5	...	...	...	...	...	...	...	...	...	·1	·3	...	...	·9	·1	·1	...	2·1†	·6	1·1	·3	...	7·5	4·0	13
Sum	11·4	11·1	7·5	13·7	16·3	17·0	8·1	9·8	12·8	10·9	6·6	12·9	12·2	9·6	8·1	10·8	7·9	6·6	10·1	16·6	15·9	13·5	6·2	8·1	263·7	189·8	
Total Duration	hr 8·7	hr 7·1	hr 6·6	hr 7·3	hr 8·8	hr 9·1	hr 9·2	hr 8·3	hr 10·5	hr 6·2	hr 6·4	hr 9·5	hr 8·0	hr 6·2	hr 7·5	hr 7·4	hr 7·8	hr 7·2	hr 7·9	hr 9·4	hr 9·2	hr 7·5	hr 6·8	hr 7·2	hr 189·8		
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

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, 1935

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	...	·8	·8	·4	...	...	...	...	...	2·5	1·5†	...	...	...	...	...	...	...	...	6·5	1·9	40
2	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	·6†	1·9	·1	...	...	3·0	2·0	11
3	...	...	...	...	(···)	(·1)	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	1·2	1·5	·2	·1	3·3	3·4	3
4	·3	1·5†	1·7	2·3	1·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·3	4·5	20
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·0	...	...	...	...	...	...	2·2	1·8	2
6	...	...	...	...	...	...	...	...	...	...	...	·4	·3	...	...	...	...	...	...	...	·3†	·2	·1	·2	1·5	2·3	5
7	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·9	1
8	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	1
9	...	...	...	...	...	...	...	...	...	...	...	...	·6	·4	·1	·2	...	...	...	...	...	...	...	...	1·3	2·1	2
10	...	(···)	(·1)	(···)	·3	·1	...	...	...	...	...	...	...	·1	·6	...	...	...	...	...	...	...	...	...	1·4	1·7	3
11	...	...	...	...	...	·2	·3	...	...	...	...	...	...	·3†	...	...	·2	·3	·2	...	...	·3	·2	...	2·0	2·6	5
12	·7	1·0	·3	...	·6	·3	...	·1	...	...	...	...	...	...	...	...	...	·9	·1	·3	·8	·9	1·0	·7	7·7	8·7	4
13	2·0	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	2·2	...
14	...	...	...	...	·7	1·1	...	1·3	2·7†	5·0	·3	...	...	...	...	...	...	...	...	...	...	·6	·1	·3	12·1	5·2	33
15	·5	·2	·2	...	·2	·5	1·9	1·4	1·1	·7	·7	...	·3	3·5†	...	...	...	1·1	...	...	...	...	·9	·1	13·3	10·5	18
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3†	...	...	...	...	...	...	...	...	...	1·3	0·4	7
17	...	...	...	...	...	...	...	·1	·2	1·7	2·3	1·9	·3	·1	1·3	1·5	1·4	·7	1·2	·2	·1	·5	·6	1·2	15·3	13·2	3
18	·4	·7	...	...	...	...	...	...	...	...	·3	·5	·8	...	...	...	...	...	...	...	...	...	...	...	2·7	4·0	3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·4	1
20	·3	·4	·1	·3	·5	·8	·4	·2	·1	·1	...	...	...	·1	·1	·1	·3	...	...	...	...	...	...	...	3·8	9·3	2
21	...	...	...	...	...	...	...	(···)	(···)	(···)	(···)	(···)	(·1)	(···)	(···)	(···)	(···)	(···)	(···)	(·1)	(···)	(···)	(·1)	(···)	0·3	...	...
22	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4	1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	...	...	...	...	...	0·6	0·5	(6)
25	...	...	...	...	...	...	·1	(≡!)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·1	1·0	2
26	...	·7	2·3	2·9	·9	1·4	·7	...	·3	·3	...	...	...	...	·1	·1	1·0	·6	·5	·4	·3	1·8†	...	·3	14·6	9·8	7
27	1·3†	·6	...	·2	...	...	...	...	·1	...	·7	·4	·4	...	...	...	...	...	...	...	...	...	·4	2·3	6·4	3·8	6
28	2·1	1·9	1·4	1·1†	1·7	·1	·9	1·1	2·8	1·8	·1	...	·1	...	...	...	...	·1	·1	...	...	...	...	...	15·3	9·0	9
29	...	·1	·8	·4	·1	...	...	...	...	...	...	...	...	·4†	...	...	...	·1	...	...	...	...	...	·1	2·0	2·6	5
30	...	...	(···)	(·1)	....	(···)	(·1)	...	...	...	·3	...	...	...	...	·2	2·4	5·4†	6·0	5·3	·3	1·5	·3	1·3	23·2	8·0	8
Sum	7·8	7·8	7·0	7·3	6·9	4·7	5·2	5·0	8·2	9·6	4·7	3·2	3·3	4·9	6·2	3·6	6·5	10·4	8·7	6·9	4·9	7·4	4·0	7·7	151·9	112·4	
Total Duration	hr 7·7	hr 7·4	hr 5·5	hr 4·8	hr 5·6	hr 4·9	hr 3·9	hr 4·9	hr 4·5	hr 3·8	hr 3·9	hr 2·7	hr 3·9	hr 2·9	hr 3·3	hr 2·7	hr 4·3	hr 5·8	hr 4·4	hr 2·5	hr 4·7	hr 5·3	hr 6·2	hr 6·8	hr 112·4		

† 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, 1935

Day	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		
	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	·5	1·2	2·5	·1	·5	...	·1	·1	1·3	3·5	·8	1·7	·8	·6	·5	·4	...	·1	·1	...	...	...	...	15·1	8·1	3
2	...	...	...	...	...	...	...	...	...	(✱)	(✱)	(·1)	...	...	...	...	(✱)	...	...	...	...	...	...	...	0·1	...	...
3	...	...	...	...	...	...	...	...	(✱)	...	...	...	...	...	(···)	(·1)	(···)	(···)	...	·1	...	...	...	...	0·2	0·3	1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	1·7	1·2	·1	...	3·5	2·7	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	0·2	0·8	...
6	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	1·0	2·7†	1·1	1·4	·3	·2	...	7·2	6·6	(6)
8	...	...	...	...	...	·3	·3	·2	·1	·3	1·4	·1	·6†	...	...	·6	...	...	·8	1·4	·2	...	...	...	6·3	5·8	5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(···)	(·1)	(···)	(···)	(·1)	(···)	0·2	...	...
12	(···)	(·1)	(···)	(·1)	(···)	(·1)	(···)	(···)	(···)	(·1)	(···)	(···)	(·1)	(···)	(···)	(·1)	(···)	(···)	...	...	...	...	...	...	0·6	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	0·3	1
14	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·5	1·3	·5	...	·2	·2	·1	(✱)	(·1)	(✱)	3·2	5·1	...
15	·2	·1	·2	·6	1·1	·4	...	·1	1·0†	1·3	(✱)	(✱)	(·1)	(✱)	(✱)	(✱)	(·1)	(✱)	...	1·8	...	·6	·2	·2	8·0	6·8	12
16	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
17	...	...	...	...	...	...	...	(⌴)	(·1)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	0·3	0·9	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·1	·5	·2	·3	·1	...	...	...	...	3·0	3·7	...
25	...	...	...	...	...	...	...	...	·6	·9	1·4	1·0	...	...	...	...	·5	1·3	...	·7	...	...	...	...	6·4	4·8	4
26	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·4	·4	·7	...	...	...	·5	1·0	·5	·6	4·8	6·8	4
27	1·6†	·7	·9	·1	(···)	(·1)	(···)	...	...	...	·1	...	...	...	...	...	...	...	·2	(···)	(·1)	·1	·1	...	4·0	3·7	12
28	...	...	1·4	·1	(···)	(·1)	(≡!)	(≡!)	(≡!)	(·1)	(≡!)	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	1·0	4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	·5	·3	·8	2·0	1·3†	·1	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·2	6·0	5
31	...	...	...	...	...	...	...	...	...	....	·7	·7	·9	·3	1·3†	·4	...	...	...	...	...	...	...	...	4·3	4·7	7
Sum	2·7	1·7	4·5	5·5	2·6	1·6	0·3	0·5	2·0	4·0	7·1	2·7	3·8	1·7	3·7	4·7	2·9	2·6	4·9	5·9	4·1	3·2	1·3	0·8	74·8	69·2	
Total Duration	hr 3·2	hr 2·3	hr 3·2	hr 3·8	hr 2·5	hr 2·2	hr 0·7	hr 1·6	hr 2·0	hr 2·4	hr 3·6	hr 2·7	hr 2·2	hr 2·9	hr 3·8	hr 4·2	hr 3·8	hr 2·1	hr 4·0	hr 5·5	hr 3·5	hr 3·1	hr 2·7	hr 1·2	hr 69·2		
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).

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, 1935

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	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
4	--	--	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	--	5·9	82	61	4·98	Clear
5	--	--	--	--	--	·4	...	...	...	...	·1	·2	...	--	--	--	--	--	0·7	10	...	...	...
6	--	--	--	--	--	...	·1	·2	...	...	·4	·4	...	--	--	--	--	--	1·1	15	...	...	...
7	--	--	--	--	--	·3	·2	·1	·1	...	...	·1	...	--	--	--	--	--	0·8	11	...	...	...
8	--	--	--	--	--	...	·3	·9	1·0	·8	·5	·2	...	--	--	--	--	--	3·7	51	47	4·69	M_o
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
12	--	--	--	--	--	·5	1·0	1·0	1·0	·8	·4	·2	...	--	--	--	--	--	4·9	66	70	4·61	Clear
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
14	--	--	--	--	--	...	·3	·8	·8	·3	1·0	·9	...	--	--	--	--	--	4·1	54	...	...	...
15	--	--	--	--	--	...	...	...	...	...	·5	·8	...	--	--	--	--	--	1·3	17	...	...	...
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
17	--	--	--	--	--	...	·9	1·0	1·0	·1	...	...	...	--	--	--	--	--	3·0	39	54	4·27	Ci
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
21	--	--	--	--	--	...	·3	1·0	·9	1·0	·9	1·0	·1	--	--	--	--	--	5·2	66	...	...	...
22	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
23	--	--	--	--	--	...	...	...	...	...	...	·3	...	--	--	--	--	--	0·3	4	...	...	...
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
25	--	--	--	--	...	...	...	·1	·2	·4	...	...	...	...	--	--	--	--	0·7	9	...	...	...
26	--	--	--	--	...	·4	1·0	1·0	1·0	·9	·6	·4	·2	...	--	--	--	--	5·5	67	63	3·73	Clear
27	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	--	--	--	--	7·2	87	...	...	...
28	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1	...	...	...
29	--	--	--	--	...	...	·4	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	--	5·7	68	61	3·57	Clear
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
31	--	--	--	--	...	·2	·8	1·0	1·0	·9	·7	·5	·2	...	--	--	--	--	5·3	62	...	...	...
Sum	--	--	--	--	...	2·8	7·4	10·1	10·0	8·2	8·1	7·7	1·2	...	--	--	--	--	55·5	--	--	--	--
Mean	--	--	--	--	...	·09	·24	·33	·32	·26	·26	·25	·04	...	--	--	--	--	1·79	23	--	--	--

226. ESKDALEMUIR: h_s = 1·5 metres — FEBRUARY, 1935

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
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
2	--	--	--	--	...	·3	·7	·9	·8	·8	1·0	·5	·1	...	--	--	--	--	5·1	59	...	...	...
3	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
4	--	--	--	--	...	...	...	...	...	...	·2	·3	...	...	--	--	--	--	0·5	6	...	...	...
5	--	--	--	--	...	·2	...	...	...	...	...	...	...	...	--	--	--	--	0·2	2	...	...	...
6	--	--	--	--	...	·2	·7	·4	·2	·4	·9	·5	...	...	--	--	--	--	3·3	37	...	...	...
7	--	--	--	--	...	·3	...	·9	1·0	·7	·2	·6	·6	...	--	--	--	--	4·3	48	...	...	...
8	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1	...	...	...
9	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
10	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
12	--	--	--	--	...	...	...	...	·1	·1	...	·1	...	...	--	--	--	--	0·3	3	...	...	...
13	--	--	--	--	...	...	...	...	·3	...	·2	·1	...	...	--	--	--	--	0·6	6	...	...	...
14	--	--	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	--	--	6·7	71	88	2·77	Clear
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
19	--	--	--	--	...	...	...	...	·5	·5	·5	·1	·5	...	--	--	--	--	2·1	21	...	...	...
20	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
21	--	--	--	--	...	...	...	...	·1	...	...	·2	·3	...	--	--	--	--	0·6	6	...	...	...
22	--	--	--	--	...	...	...	...	·3	·9	·3	·1	...	·1	--	--	--	--	1·7	17	...	...	...
23	--	--	--	...	·1	·2	·5	·7	1·0	1·0	1·0	1·0	1·0	·4	...	--	--	--	6·9	68	90	2·43	Clear
24	--	--	--	...	...	...	...	...	...	...	...	·1	...	...	...	--	--	--	0·1	1	...	...	...
25	--	--	--	...	...	...	...	1·0	1·0	·9	·6	·7	·9	·4	...	--	--	--	5·5	53	85	2·35	Fine Ci
26	--	--	--	...	·8	1·0	1·0	1·0	1·0	·9	·9	·8	·2	...	...	--	--	--	7·6	73	83	2·33	Clear
27	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
28	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
Sum	--	--	--	...	0·9	2·7	3·9	5·9	7·4	7·2	6·3	6·1	3·8	0·9	...	--	--	--	45·6	---	--	--	--
Mean	--	--	--	...	·03	·10	·14	·21	·26	·26	·24	·22	·14	·03	...	--	--	--	1·63	17	--	--	--
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† (SOLAR RADIATION received on surface perpendicular to solar beam)	Sec Z	Sky

† Ångström Pyrheliometer.

227. ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres MARCH, 1935

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/cm^2		
1	--	--	--	...	...	...	...	...	...	...	...	·1	·2	...	...	--	--	--	0·3	3	...	...	...
2	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
3	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
4	--	--	--	...	·9	·6	·7	·3	·9	·8	·5	·9	·4	·1	...	--	--	--	6·1	56	...	...	...
5	--	--	--	...	...	...	·3	·1	...	·6	·7	1·0	·6	·1	...	--	--	--	3·4	31	...	...	...
6	--	--	--	...	...	...	...	...	...	...	...	·1	...	...	...	--	--	--	0·1	1	...	...	...
7	--	--	--	...	...	...	·2	·9	·6	...	·3	...	...	...	...	--	--	--	2·0	18	77	2·08	Clear
8	--	--	--	...	...	·3	·5	1·0	1·0	·9	·5	...	...	...	...	--	--	--	4·2	38	64	2·05	Z°
9	--	--	--	...	...	...	...	...	...	...	...	...	...	·2	...	--	--	--	0·2	2	...	...	...
10	--	--	--	...	...	...	...	·1	...	·1	·1	...	...	...	...	--	--	--	0·3	3	...	...	...
11	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	9·3	82	84	1·98	Clear
12	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	10·0	87	89	1·94	Clear
13	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	9·8	85	80	1·93	Z°
14	--	--	--	...	...	·3	·8	1·0	1·0	1·0	·6	1·0	1·0	·7	...	--	--	--	7·4	64	...	...	...
15	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
16	--	--	--	...	...	...	...	·8	·5	·4	...	...	...	...	...	--	--	--	1·7	14	...	...	...
17	--	--	--	...	...	...	...	...	...	...	...	·1	...	...	...	--	--	--	0·1	1	...	...	...
18	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
19	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
20	--	--	--	...	...	...	·1	·7	·7	·1	·4	·4	·6	·2	...	--	--	--	3·2	27	...	...	...
21	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
22	--	--	...	...	...	...	...	·2	·6	·5	...	...	·1	...	...	...	--	--	1·4	11	...	...	...
23	--	--	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	--	--	0·2	2	...	...	...
24	--	--	...	...	·5	·5	·7	·8	·5	·3	...	...	...	...	...	...	--	--	3·3	27	...	...	...
25	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
26	--	--	...	·1	1·0	1·0	1·0	·9	·5	·6	·6	·9	·8	·7	·1	...	--	--	8·2	66	...	...	...
27	--	--	...	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	...	--	--	8·2	65	81	1·67	Clear
28	--	--	...	·6	1·0	1·0	·8	·9	·6	·8	·7	·5	...	...	...	...	--	--	6·9	54	...	...	...
29	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
30	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
31	--	--	...	...	...	...	...	...	...	...	·4	...	·1	...	...	...	--	--	0·5	4	...	...	...
Sum	--	--	...	1·1	5·7	6·8	9·1	11·7	10·9	10·1	8·8	9·0	7·8	5·3	0·5	...	--	--	86·8	--	--	--	--
Mean	--	--	...	·04	·18	·22	·29	·38	·35	·33	·28	·29	·25	·17	·02	...	--	--	2.80	24	--	--	--

228. ESKDALEMUIR: h_s = 1·5 metres APRIL, 1935

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
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm^2		
1	--	--	...	·1	·1	·1	...	...	...	...	·1	·5	·7	·5	·2	...	--	--	2·3	18	...	...	...
2	--	--	...	·2	·7	1·0	·8	...	...	·1	·4	·4	·4	·9	·4	...	--	--	5·3	41	...	...	...
3	--	--	...	·9	1·0	·9	·5	·3	·3	·7	...	·2	·2	...	...	...	--	--	5·0	38	...	...	...
4	--	--	...	...	...	·8	1·0	1·0	·9	·5	·8	1·0	·7	...	...	...	--	--	6·7	51	...	...	...
5	--	--	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·8	·5	...	--	--	11·1	84	93	1·56	Clear
6	--	--	...	1·0	1·0	1·0	1·0	·9	·7	1·0	·8	·6	·6	1·0	·6	...	--	--	10·2	76	94	1·53	Clear
7	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
8	--	--	...	...	·1	·4	·5	·4	·8	·7	...	...	·8	·4	...	...	--	--	4·1	30	...	...	...
9	--	--	...	...	...	...	·1	·3	·5	·3	·3	·1	...	...	...	...	--	--	1·6	12	...	...	...
10	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
11	--	--	..	..	..	·4	·9	·7	·4	·2	...	...	...	...	...	...	--	--	2·6	19	...	...	...
12	--	--	·2	1·0	1·0	1·0	1·0	·7	·6	·8	·7	·8	·9	1·0	·9	...	--	--	10·6	77	...	...	...
13	--	--	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	--	--	0·2	1	...	...	...
14	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
15	--	--	...	...	...	...	...	...	...	·1	·2	·9	·5	·5	...	...	--	--	2·2	16	...	...	...
16	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
17	--	...	...	...	...	...	...	·8	·1	...	...	...	...	...	...	...	...	--	0·9	6	...	...	...
18	--	...	...	...	·2	...	·2	·3	...	...	·6	·5	...	...	...	...	...	--	1·8	13	...	...	...
19	--	...	...	...	1·0	1·0	·8	·5	·3	·2	·8	·7	·1	·2	...	...	...	--	5·6	39	...	...	...
20	--	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	...	--	0·6	4	...	...	...
21	--	...	·3	1·0	1·0	·9	·8	·6	·1	·5	·5	1·0	·8	·2	...	...	...	--	7·7	53	...	...	...
22	--	...	...	...	...	...	·1	·1	...	·1	...	...	...	...	...	...	...	--	0·3	2	...	...	...
23	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
24	--	...	...	...	...	·4	1·0	...	·4	·5	·5	·8	·5	·4	1·0	·1	...	--	5·6	38	...	...	...
25	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
26	--	...	...	...	·5	1·0	1·0	·9	·3	...	...	...	...	...	...	...	...	--	3·7	25	...	...	...
27	--	...	...	...	...	...	...	...	...	...	·3	1·0	1·0	1·0	1·0	·4	...	--	4·7	32	...	...	...
28	--	...	...	...	...	...	...	...	...	...	...	...	·1	·4	...	...	...	--	0·5	3	...	...	...
29	--	...	...	...	...	...	·1	...	·4	·3	·2	·4	·5	·3	·1	·2	...	--	2·5	17	...	...	...
30	--	...	...	...	...	...	...	·6	·8	·2	...	...	...	...	...	...	...	--	1·6	11	...	...	...
Sum	--	...	0·5	5·2	7·6	10·0	10·8	9·1	7·7	7·2	7·4	10·2	8·7	7·6	4·7	0·7	...	--	97·4	--	--	--	--
Mean	--	...	·02	·17	·25	·33	·36	·30	·26	·24	·25	·34	·29	·25	·16	·02	...	--	3·25	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	Rate near noon†	Sec Z	Sky
																					SOLAR RADIATION received on surface perpendicular to solar beam		

† 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 record above ground) = 1·5 metres — MAY, 1935

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	--	...	...	·1	·2	...	...	·2	·6	·3	·8	·7	·3	·2	...	...	...	--	3·4	22	...	...	...
2	--	...	...	...	...	...	...	...	...	·1	...	...	...	·5	·1	...	...	--	0·7	5	...	...	...
3	--	...	...	...	·2	·8	·3	·9	·7	...	·2	...	...	...	...	...	...	--	3·1	20	...	...	...
4	--	...	·6	·4	·4	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	·9	...	...	...	--	10·0	65	...	...	...
5	--	..	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·6	...	...	--	12·0	78	...	...	...
6	--	...	...	·9	·6	1·0	1·0	1·0	·6	1·0	1·0	·9	·4	...	·7	...	...	--	9·1	59	44	1·30	FrCu
7	--	...	...	·1	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	10·6	68	91	1·29	Clear
8	--	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	1·0	1·0	·6	...	--	10·9	70	86	1·31	Fine Ci
9	--	...	...	...	...	...	...	...	·2	·8	·8	·3	·5	·5	·5	...	...	--	3·6	23	...	...	...
10	--	...	...	...	...	...	...	·4	1·0	·2	...	·2	...	...	...	...	...	--	1·8	11	...	...	...
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	·8	...	--	13·2	83	...	...	...
12	--	·2	·9	·7	·3	·9	1·0	1·0	·9	·5	·4	·4	·2	·1	...	...	...	--	7·5	47	...	...	...
13	--	...	...	·2	·6	·7	1·0	·3	...	·2	...	·2	·8	...	...	...	...	--	4·0	25	...	...	...
14	--	...	·4	·7	·8	·9	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	--	12·8	80	...	...	...
15	--	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	--	0·2	1	...	...	...
16	...	·3	1·0	1·0	·8	·6	·1	·7	·4	·9	1·0	1·0	·7	·1	...	...	...	...	8·6	53	...	...	...
17	...	...	...	*1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	·3	...	·1	...	...	6·8	42	...	...	...
18	...	·4	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·6	...	...	...	...	11·8	73	...	...	...
19	...	...	...	...	·3	·9	·6	·3	·7	·8	·2	·2	·1	·1	·4	·1	....	...	4·7	29	...	...	...
20	...	...	·2	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	13·3	81	73	1·23	Clear
21	...	...	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	12·7	77	92	1·23	Clear
22	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	·8	·6	·8	·1	·8	·1	...	12·3	75	...	...	...
23	...	‡ ·1	‡ ·5	‡ ·4	1·0	·7	·8	·7	·4	·5	·9	·9	·9	1·0	1·0	1·0	·4	...	11·2	68	...	...	...
24	...	...	...	...	...	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	8·2	50	...	...	...
25	...	...	...	...	...	·7	·8	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	10·6	64	...	...	...
26	...	...	...	...	...	·3	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	10·4	62	...	...	...
27	...	...	...	...	·1	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	11·3	68	91	1·21	Clear
28	...	·7	1·0	1·0	1·0	1·0	1·0	·1	·5	·8	·9	1·0	·7	·1	·1	1·0	·5	...	11·4	68	...	...	...
29	...	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	11·7	70	91	1·21	Clear
30	...	...	...	...	...	...	...	...	...	·3	·9	1·0	1·0	1·0	1·0	1·0	·6	...	6·8	40	...	...	...
31	...	...	...	·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	·6	...	13·0	77	...	...	...
Sum	...	2·0	8·2	12·9	15·1	20·6	21·1	20·7	22·9	22·6	23·1	22·5	20·9	18·9	16·5	14·5	5·2	...	267·7	--	--	--	--
Mean	...	·06	·26	·42	·49	·66	·68	·67	·74	·73	·75	·73	·67	·61	·53	·47	·17	...	8·64	54	--	--	--

230. ESKDALEMUIR: h_s = 1·5 metres — JUNE, 1935

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	h	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	...	·4	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	·8	...	...	13·5	80	...	...	...
2	...	...	...	...	·2	·3	...	·2	·3	·2	...	...	...	...	...	...	...	...	1·2	7	...	...	...
3	...	...	...	...	·2	...	·3	·7	·9	1·0	·9	·5	·7	·7	·2	...	...	...	6·1	36	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	·2	...	·1	...	...	·2	·2	...	...	...	...	0·7	4	...	...	...
6	...	...	...	...	...	·3	...	·3	·5	·5	...	...	...	...	...	...	...	...	1·6	9	...	...	...
7	...	...	...	...	·1	...	·1	·6	·9	·6	...	·5	·6	·4	...	...	...	...	3·8	22	...	...	...
8	...	...	...	...	...	...	...	...	...	...	·1	·5	·9	·5	·3	·6	...	...	2·9	17	...	...	...
9	...	...	1·0	1·0	1·0	·9	·4	·4	·8	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	12·1	70	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	·2	·3	·5	...	...	·7	·5	...	...	...	...	...	...	...	...	...	2·2	13	...	...	...
12	...	...	...	·3	·1	·1	·2	...	·1	·5	·7	·7	·7	·5	...	...	...	...	3·9	23	...	...	...
13	...	...	...	...	...	...	·3	·5	·8	1·0	1·0	·8	·6	·4	1·0	·9	...	...	7·3	42	...	...	...
14	...	...	...	·6	·1	...	·4	·2	·6	·2	...	...	...	...	·3	·7	...	...	3·1	18	...	...	...
15	...	...	...	·1	·1	·5	·3	·4	·4	·3	·7	1·0	·9	·7	1·0	1·0	·6	...	8·0	46	...	...	...
16	...	...	...	·2	·6	·1	·2	·5	1·0	·2	·2	·2	·9	·2	...	...	...	...	4·3	25	...	...	...
17	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	·1	...	...	0·3	2	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·5	1·0	·4	...	2·1	12	...	...	...
19	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·4	·2	...	...	0·9	5	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	·1	·5	·8	·7	·4	·9	·7	·3	·6	·5	·2	...	...	...	5·7	33	...	...	...
23	...	...	...	...	...	...	·3	·4	·5	·9	·6	·7	·7	·8	·2	...	...	...	5·1	29	...	...	...
24	...	...	...	...	...	...	·3	·8	...	·2	·9	·4	·2	·6	·6	·6	·3	...	4·9	28	...	...	...
25	...	...	...	...	...	·7	·7	·5	...	...	...	...	·3	·7	·9	·2	...	...	4·0	23	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·4	·2	...	...	1·3	7	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	·2	·6	·9	1·0	·7	·9	1·0	·4	·4	·1	·5	·2	...	...	6·9	40	...	...	...
29	...	·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	·2	...	15·0	87	...	...	...
30	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	...	·5	·3	...	...	1·3	8	...	...	...
Sum	...	1·2	2·7	4·5	5·3	6·0	7·2	10·1	10·4	10·6	9·7	9·3	11·3	10·0	10·1	8·4	1·5	...	118·3	--	--	--	--
Mean	...	·04	·09	·15	·18	·20	·24	·34	·35	·35	·32	·31	·38	·33	·34	·28	·05	...	3·94	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	Rate near noon† (SOLAR RADIATION received on surface perpendicular to solar beam)	Sec Z	Sky

* Snow on Sunshine ball: value estimated. ‡ Sunshine ball displaced: value estimated. † 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, 1935

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	...	...	...	...	·3	·9	·5	·3	·8	·5	·8	·6	·2	...	...	...	...	...	4·9	28	...	...	...
3	...	·6	·5	·7	·6	·9	1·0	·8	·9	·9	·6	·4	...	...	...	...	...	...	7·9	46	...	...	...
4	...	...	...	...	·7	·2	·5	·5	1·0	·6	...	...	...	...	...	...	...	...	3·5	20	...	...	...
5	...	...	...	...	·1	·1	·5	·7	·8	·5	·6	·6	·6	1·0	·8	·3	...	...	6·6	38	...	...	...
6	...	...	...	...	...	...	...	...	·1	...	...	·1	...	1·0	1·0	·8	·5	...	3·5	20	...	...	...
7	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	·6	·9	1·0	1·0	1·0	·2	...	13·5	79	96	1·19	Clear
8	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	·9	...	...	13·2	77	65	1·19	Clear
9	...	...	·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	·4	...	13·8	81	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·4	...	1·4	8	...	...	...
11	...	·1	1·0	·9	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	13·2	78	97	1·20	Clear
12	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·5	1·0	...	...	...	11·2	66	57	1·20	Clear
13	...	...	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	·2	·2	...	9·7	57	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	·1	...	...	·4	·8	·9	1·0	1·0	·7	·6	·9	·8	·6	...	...	...	7·8	46	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	·8	·1	...	...	...	...	...	·4	·7	·9	1·0	1·0	1·0	·5	·1	...	...	6·5	39	...	...	...
18	...	·2	·6	·2	·5	·5	·3	·8	·3	·1	·3	·1	·6	·7	·4	...	...	...	5·6	33	...	...	...
19	...	...	...	·8	...	...	·2	·1	·1	...	...	...	...	...	...	...	...	...	1·2	7	...	...	...
20	...	...	·2	·3	·1	·1	·2	·3	·7	·6	1·0	·7	·7	1·0	·6	...	...	...	6·5	39	...	...	...
21	...	·7	1·0	·8	1·0	1·0	1·0	1·0	·8	·3	·3	·3	·2	1·0	1·0	1·0	·1	...	11·5	69	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	...	...	...	...	0·3	2	...	...	...
23	...	...	...	1·0	1·0	1·0	1·0	1·0	1·0	·4	·3	·5	...	·1	...	...	...	...	7·3	44	...	...	...
24	...	·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	·9	·7	·5	...	14·8	90	...	...	...
25	...	...	·6	1·0	1·0	1·0	·5	1·0	·2	·1	·1	...	...	...	...	...	...	...	5·5	34	...	...	...
26	...	...	·1	·4	...	...	·3	1·0	·9	·8	·9	1·0	·2	...	...	...	...	...	5·6	34	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	0·2	1	...	...	...
28	...	...	...	...	...	...	...	...	·3	...	·1	...	·3	·8	·9	·5	...	...	2·9	18	...	...	...
29	...	·2	1·0	1·0	1·0	1·0	·4	1·0	·8	·9	·9	·7	1·0	·7	·7	...	...	...	11·3	70	...	...	...
30	--	·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	·4	--	14·6	91	97	1·25	Clear
31	--	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	...	--	13·2	82	96	1·25	Clear
Sum	...	3·9	10·0	14·0	14·1	16·0	16·2	18·4	19·1	16·3	15·9	15·2	14·5	16·7	14·8	9·4	2·7	...	217·2	--	--	--	--
Mean	...	·13	·32	·45	·45	·52	·52	·59	·62	·53	·51	·49	·46	·54	·48	·30	·09	...	7·01	42	--	--	--

232. ESKDALEMUIR: h_s = 1·5 metres — AUGUST, 1935

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	·9	1·0	·3	·1	·4	·8	·2	·3	...	...	·3	·1	...	--	4·7	29	...	...	...
2	--	...	·2	1·0	1·0	1·0	·3	...	·7	·4	1·0	1·0	·9	·8	·9	·1	...	--	9·3	59	...	...	...
3	--	...	...	...	...	·8	·3	·9	·9	·9	1·0	1·0	1·0	·8	·7	·8	...	--	9·1	57	93	1·26	Clear
4	--	...	...	...	·1	...	...	...	·5	·4	·2	...	...	...	...	...	...	--	1·2	8	...	...	...
5	--	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·2	...	--	0·3	2	...	...	...
6	--	...	·5	1·0	·7	·1	·8	·8	·6	·5	·4	·9	1·0	·9	·9	·8	...	--	9·9	63	...	...	...
7	--	...	...	...	...	...	·1	·8	·6	·9	1·0	1·0	·5	·4	·1	...	...	--	5·4	35	...	...	...
8	--	...	...	...	...	...	·4	·8	·7	·8	·9	1·0	·9	·9	...	...	...	--	6·4	41	...	...	...
9	--	·2	·9	·7	·6	·9	·8	·9	·8	·7	·9	·6	·8	·7	...	...	...	--	9·5	61	...	...	...
10	--	...	...	...	...	...	...	...	·1	·6	...	...	...	...	...	...	...	--	0·7	5	...	...	...
11	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
12	--	...	...	·7	·5	·8	·5	·9	·9	·5	·6	·2	·7	·5	·4	·7	...	--	7·9	52	...	...	...
13	--	...	...	·2	·9	1·0	1·0	1·0	1·0	·9	·3	·2	·3	...	...	...	...	--	6·8	45	...	...	...
14	--	...	...	...	...	...	·4	·2	·5	...	...	...	...	...	...	...	...	--	1·1	7	...	...	...
15	--	...	...	...	·1	...	·1	·2	...	...	...	...	...	·2	·4	·1	...	--	1·1	7	...	...	...
16	--	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	--	0·2	1	...	...	...
17	--	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	--	0·1	1	...	...	...
18	--	...	...	...	...	...	...	...	·1	·2	·9	1·0	1·0	·9	·9	·2	...	--	5·2	35	...	...	...
19	--	...	...	...	...	...	·1	·3	...	·1	...	·1	...	·1	...	...	...	--	0·7	5	...	...	...
20	--	...	...	...	...	...	...	...	...	·2	·5	1·0	·6	1·0	1·0	·3	...	--	4·6	31	...	...	...
21	--	...	...	1·0	·8	·9	·9	·5	·6	1·0	·2	·2	·5	·5	·7	...	...	--	7·8	53	...	...	...
22	--	...	...	·7	·3	...	·3	·2	...	...	...	...	...	...	·1	...	...	--	1·6	11	...	...	...
23	--	...	·5	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	...	...	...	...	...	--	5·9	41	...	...	...
24	--	...	...	...	...	...	·7	·9	·7	·8	·8	1·0	·8	·4	...	...	...	--	6·1	42	...	...	...
25	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
26	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
27	--	...	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	·6	1·0	·8	·5	·5	...	...	--	10·7	75	94	1·41	Clear
28	--	...	·1	·7	·7	·9	·5	·7	·8	·8	...	...	...	...	...	...	...	--	5·2	37	...	...	...
29	--	--	...	...	·4	1·0	1·0	1·0	·8	·6	·6	·9	·9	·6	·3	...	--	--	8·1	58	...	...	...
30	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
31	--	--	...	...	·2	...	·1	·2	·2	·1	·1	...	...	...	...	...	--	--	0·9	6	...	...	...
Sum	--	0·2	2·6	8·2	9·2	10·4	10·7	12·4	12·3	12·2	10·3	11·6	10·7	9·2	7·2	3·3	...	--	130·5	--	--	--	--
Mean	--	·01	·08	·26	·30	·34	·35	·40	·40	·39	·33	·37	·35	·30	·23	·11	...	--	4·21	28	--	--	--
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		

† 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, 1935

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	--	--	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	--	--	0·1	1	...	...	...
2	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
3	--	--	...	...	...	·6	·1	·3	·5	·1	·1	·1	·1	...	...	...	--	--	1·9	14	...	...	...
4	--	--	...	...	·7	·5	·5	...	·6	·2	·3	·7	·8	·8	·5	...	--	--	5·6	41	...	...	...
5	--	--	...	...	...	...	...	·3	...	·4	·5	1·0	·9	·5	·8	...	--	--	4·4	33	...	...	...
6	--	--	...	·5	1·0	1·0	1·0	·9	·6	·9	·6	·9	·7	·8	·3	...	--	--	9·2	68	...	...	...
7	--	--	...	·6	·9	·6	·8	·2	·4	·8	·7	·8	·8	1·0	·8	...	--	--	8·4	63	...	...	...
8	--	--	...	·9	1·0	·1	·1	·6	·2	·6	1·0	·7	·7	·9	...	...	--	--	6·8	51	...	...	...
9	--	--	...	...	...	·1	·3	...	·1	...	...	...	...	...	...	...	--	--	0·5	4	...	...	...
10	--	--	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	--	--	0·1	1	...	...	...
11	--	--	...	...	...	...	...	...	·5	·5	·1	·6	·6	...	...	...	--	--	2·3	18	...	...	...
12	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
13	--	--	...	...	...	·4	·7	1·0	·8	·6	·5	·1	·7	·3	...	...	--	--	5·1	39	...	...	...
14	--	--	...	...	·2	·8	·4	...	...	...	·1	·1	·1	...	...	...	--	--	1·7	13	...	...	...
15	--	--	...	...	...	...	...	...	...	·2	·5	·3	...	...	·1	...	--	--	1·1	9	...	...	...
16	--	--	...	...	...	...	·1	·1	·4	·4	·1	...	·2	...	...	...	--	--	1·3	10	...	...	...
17	--	--	...	...	...	...	...	...	...	·3	1·0	1·0	·4	·1	...	...	--	--	2·8	22	...	...	...
18	--	--	...	...	...	...	·2	·3	·7	·1	·4	...	...	...	...	...	--	--	1·7	14	...	...	...
19	--	--	...	...	...	...	...	...	...	·4	·7	·4	·3	...	...	...	--	--	1·8	14	...	...	...
20	--	--	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·7	·9	·3	...	--	--	8·6	69	89	1·69	Clear
21	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
22	--	--	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	--	--	0·2	2	...	...	...
23	--	--	...	...	·1	·3	·9	1·0	1·0	·9	1·0	·9	·5	·4	...	...	--	--	7·0	57	90	1·75	Clear
24	--	--	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	--	--	0·4	3	...	...	...
25	--	--	--	·4	·5	1·0	1·0	1·0	1·0	1·0	1·0	·4	·9	1·0	....	--	--	--	9·2	77	...	...	...
26	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
27	--	--	--	...	...	·2	·1	·8	·7	·9	·9	·8	...	...	...	--	--	--	4·4	37	...	...	...
28	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
29	--	--	--	...	...	·5	1·0	1·0	·7	...	...	...	...	...	...	--	--	--	3·2	27	...	...	...
30	--	--	--	...	...	...	·1	·5	·4	·9	·7	·9	...	·9	·1	--	--	--	4·5	39	90	1·87	Clear
Sum	--	--	...	2·4	4·4	7·0	8·5	9·1	9·6	10·2	11·2	10·7	8·6	7·7	2·9	...	--	--	92·3	--	--	--	--
Mean	--	--	...	·08	·15	·23	·28	·30	·32	·34	·37	·36	·29	·26	·10	...	--	--	3·06	24	--	--	--

234. ESKDALEMUIR: h_s = 1·5 metres — OCTOBER, 1935

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
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm²		
1	--	--	--	...	...	...	·7	·6	...	·5	·8	·5	·8	·9	·1	--	--	--	4·9	42	...	...	...
2	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
3	--	--	--	...	...	...	...	·1	...	·3	1·0	·3	·3	1·0	...	--	--	--	3·0	26	...	...	...
4	--	--	--	...	...	·8	·8	·7	·3	1·0	1·0	1·0	·2	·2	...	--	--	--	6·0	53	70	2·07	Clear
5	--	--	--	...	...	...	...	...	...	·2	...	...	·2	...	...	--	--	--	0·4	4	...	...	...
6	--	--	--	...	·2	·1	...	...	...	...	·2	...	...	...	...	--	--	--	0·5	4	...	...	...
7	--	--	--	...	...	...	...	...	...	·1	·4	·4	·8	·1	...	--	--	--	1·8	16	...	...	...
8	--	--	--	...	...	·4	...	·2	·5	·9	·6	·7	·6	...	...	--	--	--	3·9	35	87	2·05	Clear
9	--	--	--	...	·4	·2	...	·4	...	...	...	...	...	...	...	--	--	--	1·0	9	...	...	...
10	--	--	--	...	·1	·3	·3	·4	...	...	...	·1	...	...	...	--	--	--	1·2	11	...	...	...
11	--	--	--	...	·3	·8	·2	·5	·6	·3	...	...	...	...	...	--	--	--	2·7	25	...	...	...
12	--	--	--	...	·4	·8	·2	·8	·2	...	·2	...	...	...	...	--	--	--	2·6	24	...	...	...
13	--	--	--	...	...	...	·3	...	...	·1	·1	...	...	...	...	--	--	--	0·5	5	...	...	...
14	--	--	--	...	...	...	...	...	...	·1	...	...	...	...	...	--	--	--	0·1	1	...	...	...
15	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
16	--	--	--	...	·2	...	·1	·8	·7	·6	·7	·2	...	...	...	--	--	--	3·3	32	...	...	...
17	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
18	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
19	--	--	--	...	...	...	·2	·7	·1	·3	·4	...	·1	...	...	--	--	--	1·8	18	...	...	...
20	--	--	--	...	·2	·8	1·0	1·0	·2	·8	1·0	1·0	1·0	·5	...	--	--	--	7·5	74	...	...	...
21	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
22	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1	...	...	...
23	--	--	--	--	...	...	·9	·2	·2	...	...	...	...	...	--	--	--	--	1·3	13	...	...	...
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
25	--	--	--	--	...	...	...	...	...	·6	·5	...	...	...	--	--	--	--	1·1	11	...	...	...
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
28	--	--	--	--	·5	·9	·3	·7	...	...	...	...	...	...	--	--	--	--	2·4	25	...	...	...
29	--	--	--	--	...	...	...	·1	·1	·2	·4	·2	...	...	--	--	--	--	1·0	11	...	...	...
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
31	--	--	--	--	·1	·9	1·0	·6	·7	·4	·4	...	...	...	--	--	--	--	4·1	44	...	...	...
Sum	--	--	--	...	2·4	6·0	6·0	7·8	3·7	6·4	7·7	4·4	4·0	2·7	0·1	--	--	--	51·2	--	--	--	--
Mean	--	--	--	...	·08	·19	·19	·25	·12	·21	·25	·14	·13	·09	...	--	--	--	1·65	16	--	--	--
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† (SOLAR RADIATION received on surface perpendicular to solar beam)	Sec Z	Sky

† Ångström Pyrheliometer.

235. ESKDALEMUIR: h_s (height of recorder above ground) = 1·5 metres NOVEMBER, 1935

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	1·0	·3	·1	·5	·2	...	...	...	--	--	--	--	2·3	25	...	...	...
2	--	--	--	--	...	·9	...	...	...	...	...	...	...	...	--	--	--	--	0·9	10	...	...	...
3	--	--	--	--	...	·1	...	...	...	·2	..	..	·3	...	--	--	--	--	0·6	7	...	...	...
4	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1	...	...	...
5	--	--	--	--	...	·6	·7	...	...	·3	...	...	...	...	--	--	--	--	1·6	18	...	...	...
6	--	--	--	--	...	*·9	*·7	·4	·2	·6	·7	·7	·1	...	--	--	--	--	4·3	48	...	...	...
7	--	--	--	--	...	...	·6	·4	·7	·7	·1	·1	...	...	--	--	--	--	2·6	29	74	3·14	Clear
8	--	--	--	--	...	...	·2	·8	·9	1·0	·4	·1	·1	...	--	--	--	--	3·5	40	...	...	...
9	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
10	--	--	--	--	...	·1	·8	·5	·3	·1	...	...	...	...	--	--	--	--	1·8	21	...	...	...
11	--	--	--	--	...	...	...	·2	...	·1	...	·2	...	...	--	--	--	--	0·5	6	...	...	...
12	--	--	--	--	...	...	...	·4	·7	1·0	1·0	·7	·1	...	--	--	--	--	3·9	46	...	...	...
13	--	--	--	--	...	...	·2	1·0	1·0	·6	...	...	...	...	--	--	--	--	2·8	33	...	...	...
14	--	--	--	--	...	...	...	...	·1	1·0	1·0	·5	...	...	--	--	--	--	2·6	31	72	3·64	Clear
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
16	--	--	--	--	...	...	...	...	...	·1	·1	...	...	...	--	--	--	--	0·2	2	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
18	--	--	--	--	...	...	...	...	...	...	·9	·6	...	...	--	--	--	--	1·5	18	...	...	...
19	--	--	--	--	--	...	·7	·1	...	...	...	...	...	--	--	--	--	--	0·8	10	...	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
22	--	--	--	--	--	...	...	·1	...	...	...	...	...	--	--	--	--	--	0·1	1	...	...	...
23	--	--	--	--	--	...	·9	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	--	5·9	75	...	...	...
24	--	--	--	--	--	...	...	...	...	...	·1	·3	...	--	--	--	--	--	0·4	5	...	...	...
25	--	--	--	--	--	...	...	...	...	·5	...	...	...	--	--	--	--	--	0·5	6	...	...	...
26	--	--	--	--	--	...	·3	·8	1·0	·7	...	...	...	--	--	--	--	--	2·8	36	...	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
28	--	--	--	--	--	...	...	...	...	·2	·1	...	...	--	--	--	--	--	0·3	4	...	...	...
29	--	--	--	--	--	...	...	·3	...	·1	...	...	...	--	--	--	--	--	0·4	5	...	...	...
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
Sum	--	--	--	--	...	2·8	6·2	6·3	6·0	8·7	5·6	4·2	0·6	...	--	--	--	--	40·4	--	--	--	--
Mean	--	--	--	--	...	·09	·21	·21	·20	·29	·19	·14	·02	...	--	--	--	--	1·35	16	--	--	--

236. ESKDALEMUIR: h_s = 1·5 metres DECEMBER, 1935

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
Day	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	mw/cm²		
1	--	--	--	--	--	...	·1	..	..	..	..	...	...	--	--	--	--	--	0·1	1	...	...	...
2	--	--	--	--	--	·5	·9	·9	1·0	·3	·3	·7	...	--	--	--	--	--	4·6	62	...	...	...
3	--	--	--	--	--	...	1·0	1·0	·9	1·0	·4	...	...	--	--	--	--	--	4·3	58	...	...	...
4	--	--	--	--	--	...	·1	·3	·7	·8	·6	·1	...	--	--	--	--	--	2·6	35	62	4·63	Fine Ci
5	--	--	--	--	--	...	·8	1·0	1·0	·8	·2	·5	...	--	--	--	--	--	4·3	59	69	4·69	Clear
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
7	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
8	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1	...	...	...
9	--	--	--	--	--	...	·3	·9	·7	1·0	·7	·4	...	--	--	--	--	--	4·0	56	...	...	...
10	--	--	--	--	--	*·1	*1·0	·3	·1	·1	1·0	·7	...	--	--	--	--	--	3·3	46	...	...	...
11	--	--	--	--	--	·1	·9	·9	·3	...	...	...	...	--	--	--	--	--	2·2	31	...	...	...
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
15	--	--	--	--	--	...	...	·1	1·0	·9	·1	...	...	--	--	--	--	--	2·1	30	...	...	...
16	--	--	--	--	--	...	·5	·9	1·0	1·0	1·0	·6	...	--	--	--	--	--	5·0	71	67	4·58	Clear
17	--	--	--	--	--	...	·5	·8	·6	...	·2	·4	...	--	--	--	--	--	2.5	36	...	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
19	--	--	--	--	--	...	...	...	·4	·2	1·0	·6	...	--	--	--	--	--	2·2	31	...	...	...
20	--	--	--	--	--	·3	·8	·9	1·0	·9	1·0	·4	...	--	--	--	--	--	5·3	76	...	...	...
21	--	--	--	--	--	...	·9	1·0	1·0	·9	·2	·1	...	--	--	--	--	--	4·1	59	67	5·16	Clear
22	--	--	--	--	--	·3	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	--	--	5·9	84	...	...	...
23	--	--	--	--	--	*·3	*1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	--	--	5·9	84	73	5·16	Clear
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
28	--	--	--	--	--	...	...	...	·3	·7	·3	·1	...	--	--	--	--	--	1·4	20	...	...	...
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
31	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
Sum	--	--	--	--	--	1·6	9·8	11·0	12·0	10·6	9·1	5·8	...	--	--	--	--	--	59·9	--	--	--	--
Mean	--	--	--	--	--	·05	·32	·35	·39	·34	·29	·19	...	--	--	--	--	--	1·93	27	--	--	--
Annual Total	...	7·3	24·0	48·3	64·7	92·7	116·9	132·6	132·0	130·3	123·7	116·7	92·1	79·0	56·8	36·3	9·4	...	1262·8	--	--	--	--
Annual Total	...	·02	·07	·13	·18	·25	·32	·36	·36	·36	·34	·32	·25	·22	·16	·10	·03	...	3·46	28	--	--	--
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.

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	3·3	190	2·3	200	2·4	190	2·3	240	5·9	240	5·7	220	4·9	190	2·4	180	1·7	160	0·9	180	0·7	---	0·0
2	270	1·7	270	2·2	270	3·8	270	4·4	280	4·0	290	10·9	300	10·2	260	2·3	280	1·8	220	5·7	240	7·0	290	6·8
3	280	3·5	270	4·9	260	6·1	260	6·8	260	5·1	240	6·1	240	5·0	230	4·5	200	3·3	200	4·8	220	5·0	220	7·2
4	300	13·8	290	13·5	310	13·1	300	14·1	300	13·8	300	12·1	30	11·6	310	12·4	310	12·9	310	10·6	320	7·7	310	7·7
5	310	1·9	310	4·4	310	5·0	320	4·4	340	4·3	340	4·1	340	6·7	330	6·9	340	4·2	140	2·5	210	2·6	170	1·4
6	10	3·1	350	5·9	350	6·0	350	6·1	350	5·4	360	5·0	10	5·5	10	5·7	10	5·5	10	6·0	10	7·0	10	6·3
7	30	5·0	20	3·2	40	2·5	30	2·4	20	2·6	20	3·7	20	3·6	20	5·3	20	4·6	20	5·1	20	3·7	20	5·2
8	20	1·9	340	0·9	10	1·3	10	1·2	360	2·2	10	0·8	10	0·8	350	1·0	10	1·0	360	1·9	20	0·9	40	0·8
9	350	0·1	---	0·0	360	0·1	---	0·0	---	0·0	350	0·1	---	0·0	---	0·0	---	0·0	---	0·0	200	0·5	180	0·9
10	190	3·2	210	6·6	210	6·4	200	6·3	210	6·5	220	9·1	210	8·5	210	9·0	220	10·6	230	12·4	200	10·9	190	7·2
11	190	11·8	210	12·3	200	12·4	200	14·7	200	13·5	200	15·6	210	17·3	200	15·0	200	16·1	200	19·9	210	20·0	200	18·7
12	260	*(8·6)	250	(8·6)	280	(11·0)	290	(15·2)	290	(15·6)	290	(11·4)	300	(11·6)	300	(14·8)	310	(15·8)	310	13·2	300	11·5	300	12·6
13	90	0·5	170	0·5	340	0·7	320	0·6	310	0·8	320	1·2	290	0·3	---	0·0	---	0·0	...	...	---	0·0	...	...
14	280	3·7	270	3·5	270	3·4	270	2·7	280	3·5	290	5·9	290	5·1	280	6·2	290	6·1	290	6·4	290	7·5	290	6·6
15	310	8·3	300	4·9	240	1·1	310	2·7	150	1·9	60	1·2	100	1·2	150	1·8	300	0·2	---	0·0	---	0·0	---	0·0
16	210	5·0	220	5·3	220	5·3	210	5·0	200	4·5	230	5·5	220	5·4	220	5·4	240	5·2	240	4·6	230	4·0	230	3·2
17	340	1·8	350	3·2	350	3·3	350	2·9	10	2·7	350	1·0	330	0·1	350	0·1	---	0·0	---	0·0	320	0·1	60	0·1
18	30	5·0	30	4·4	20	5·1	30	5·0	30	4·5	20	4·2	30	3·7	40	3·1	30	3·2	30	3·6	30	3·6	40	3·1
19	30	3·6	30	3·2	20	2·9	20	3·0	30	2·3	20	3·4	10	3·4	10	3·3	10	3·4	20	2·4	40	3·0	30	3·2
20	30	2·1	30	1·8	30	2·3	10	1·7	20	2·3	20	2·7	10	1·7	70	1·0	150	0·1	190	0·5	---	0·0	10	0·1
21	300	3·1	320	2·7	320	3·0	320	2·2	340	1·9	280	0·1	---	0·0	180	0·5	150	0·6	160	0·5	160	0·2	160	0·1
22	180	0·5	360	1·6	10	1·4	120	0·9	150	0·6	130	0·1	---	0·0	170	0·1	---	0·0	220	0·1	160	0·1	140	0·1
23	290	8·5	280	5·9	260	4·8	260	4·9	250	4·3	220	2·7	260	4·5	240	3·1	230	3·7	270	4·8	270	4·4	270	4·3
24	220	2·9	230	2·7	190	3·0	190	2·9	250	3·7	270	4·5	260	5·1	250	6·8	250	7·0	220	7·1	220	8·6	220	10·0
25	260	13·5	270	13·4	270	10·9	270	12·5	280	12·6	280	11·9	270	10·5	270	10·0	270	10·1	280	9·9	280	7·0	280	9·1
26	350	17·2	350	14·6	350	14·1	340	17·8	340	17·2	350	15·5	350	15·0	350	13·8	340	12·7	340	13·3	340	14·0	340	14·2
27	350	10·7	350	10·5	350	11·5	350	11·3	350	9·9	350	8·4	350	9·9	350	11·4	350	9·9	350	8·0	350	8·4	350	8·5
28	110	0·2	30	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	130	0·2	170	2·0
29	310	0·3	160	0·2	320	0·3	360	0·7	10	2·4	360	2·8	350	2·5	360	2·4	360	2·3	10	1·1	360	0·7	90	0·1
30	150	1·7	170	2·8	230	4·3	220	4·8	220	3·2	230	3·8	190	2·0	170	1·6	210	1·1	230	3·8	180	2·2	170	2·5
31	240	0·7	280	2·7	280	2·7	280	2·4	280	3·5	280	6·9	280	7·3	280	9·1	280	10·6	280	11·8	280	10·7	280	10·2
Mean	---	4·7	---	4·8	---	4·8	---	5·2	---	5·2	---	5·4	---	5·3	---	5·1	---	5·0	---	5·2	---	4·9	---	4·9

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	250	7·7	260	9·5	250	9·1	240	10·0	240	9·3	230	9·4	240	10·0	240	9·7	250	10·2	250	10·8	260	12·4	270	14·8
2	250	12·7	250	12·6	260	11·5	270	10·3	280	10·1	280	10·0	280	10·8	280	12·2	280	11·7	280	12·5	290	15·0	280	12·0
3	300	1·2	20	0·4	180	0·3	160	0·8	160	1·0	220	3·8	210	3·9	220	5·0	210	5·1	230	5·0	230	4·4	220	2·7
4	---	0·0	360	0·2	10	1·8	10	1·5	70	0·3	170	0·1	90	0·1	30	0·2	30	0·3	300	0·1	320	0·1	160	0·5
5	250	3·1	220	2·8	230	2·5	280	4·2	280	5·0	270	5·2	260	5·3	250	5·5	260	5·8	250	5·3	260	6·0	260	4·9
6	10	7·9	10	7·5	10	8·5	10	9·5	20	9·8	20	11·3	20	10·8	10	11·9	10	9·5	20	7·9	10	6·7	20	6·3
7	330	0·2	290	0·1	370	0·2	...	...	360	2·2	10	1·3	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	110	0·1
8	350	0·2	10	0·2	300	0·1	---	0·0	340	0·2	340	0·6	350	0·2	---	0·0	---	0·0	---	0·0	---	0·0	140	0·1
9	330	0·1	350	0·1	---	0·0	---	0·0	160	0·2	140	0·1	130	0·4	360	0·2	360	0·2	110	0·1	220	0·1	210	1·1
10	310	1·7	200	2·3	200	2·5	180	0·8	150	0·3	160	0·3	150	1·5	160	1·7	160	1·0	140	1·4	150	1·8	220	1·5
11	220	5·0	200	3·9	210	4·7	210	4·6	240	3·6	260	2·7	260	5·0	200	3·0	230	3·4	200	3·7	210	5·1	230	6·8
12	220	13·2	210	14·1	220	13·8	220	14·9	230	16·8	230	13·8	240	13·9	250	10·7	240	7·6	230	4·9	230	5·4	260	5·9
13	210	8·6	210	7·8	200	8·2	220	10·2	230	10·5	230	10·6	220	10·4	220	9·9	220	9·3	230	9·0	230	6·2	240	7·6
14	270	10·7	260	10·0	260	10·1	260	10·9	260	10·9	260	10·7	260	12·5	270	12·9	280	11·0	290	12·5	290	14·9	290	15·0
15	240	9·2	220	10·0	220	10·1	230	12·3	230	12·7	230	13·3	240	11·5	240	13·2	230	12·3	220	12·7	220	12·3	210	9·7
16	240	6·8	200	6·0	200	4·9	210	7·6	220	11·0	230	11·6	240	12·7	230	12·2	230	12·6	220	12·5	220	13·5	220	15·5
17	290	11·6	290	8·8	280	6·4	260	5·4	260	5·8	260	7·2	240	5·2	210	5·5	230	8·3	230	7·7	230	7·7	230	7·9
18	230	11·5	230	13·3	240	16·9	240	17·8	240	18·6	230	13·3	220	9·9	210	10·7	210	10·6	210	10·7	210	13·2	210	13·5
19	220	17·0	220	15·5	220	15·7	220	17·2	210	17·3	210	17·6	200	18·1	210	16·8	210	15·1	220	13·0	230	13·3	260	9·0
20	210	11·4	210	12·4	210	14·4	200	15·7	200	16·5	200	15·9	190	14·8	190	15·0	200	16·1	200	16·0	200	16·0	200	14·7
21	200	9·6	210	8·9	220	10·0	230	8·7	220	9·2	220	8·9	220	9·1	210	10·0	210	10·3	220	10·4	220	10·8	230	13·5
22	240	4·5	230	5·2	230	4·0	220	4·8	200	3·3	160	1·6	170	2·7	200	2·8	210	3·1	220	2·4	240	3·8	250	3·0
23	140	0·4	150	0·1	20	2·9	10	8·5	10	7·5	10	6·3	10	4·4	30	1·7	10	2·4	10	4·4	350	5·1	360	5·0
24	350	0·2	300	0·2	---	0·0	---	0·0	350	0·1	10	0·1	30	0·2	10	1·2	360	0·7	10	1·1	360	1·4	350	3·1
25	40	10·1	40	11·4	30	12·5	30	13·7	30	13·4	30	14·8	20	14·9	20	13·8	20	13·5	20	14·7	10	12·1	10	13·0
26	30	1·2	350	1·7	10	1·5	250	0·4	180	0·1	90	0·1	90	0·1	150	0·1	180	0·9	210	3·6	210	5·8	220	9·2
27	170	5·8	170	6·2	160	6·8	160	7·2	160	9·9	160	9·6	150	10·5	150	8·8	160	8·2	150	10·2	150	10·8	150	9·9
28	160	3·0	170	2·3	160	2·2	160	1·4	100	0·4	150	2·8	150	3·5	160	3·3	160	3·2	160	3·4	160	4·6	160	4·3
Mean	---	6·2	---	6·2	---	6·5	---	7·1	---	7·4	---	7·3	---	7·2	---	7·1	---	6·9	---	7·0	---	7·4	---	7·5
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	

* Values interpolated, anemometer head choked with snow.

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

JANUARY, 1935

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	
---	0·0	---	0·0	---	0·0	130	0·1	140	0·8	350	0·2	30	0·2	230	0·4	340	0·1	200	2·2	190	3·7	190	2·7	1·8	1
300	4·9	310	4·4	310	7·3	280	4·8	310	4·6	300	5·3	10	2·9	20	0·8	270	3·8	270	2·4	280	2·1	280	1·8	4·4	2
230	8·0	230	7·4	240	5·8	220	7·0	230	8·0	240	11·4	250	9·0	280	9·1	290	11·6	290	13·1	290	11·8	290	12·6	7·4	3
310	9·2	320	10·2	320	8·4	320	8·9	320	8·7	320	7·5	290	4·9	330	1·0	300	3·1	250	3·7	310	3·8	340	1·9	8·9	4
60	1·0	10	1·4	360	2·0	320	1·2	170	0·6	10	0·5	20	0·7	10	1·4	10	1·8	350	3·9	20	1·5	360	3·6	2·3	5
10	7·1	360	6·2	360	5·4	360	5·7	350	5·0	10	5·1	360	3·7	10	5·0	10	4·5	10	5·0	20	4·8	20	5·1	5·4	6
30	4·2	40	3·3	50	3·1	40	3·3	40	2·5	30	1·8	40	2·9	50	2·7	40	3·0	50	2·6	360	0·7	30	0·8	3·2	7
350	0·5	190	1·2	220	1·0	---	0·0	320	0·1	---	0·0	350	0·2	340	0·1	340	0·1	340	0·3	340	0·3	360	0·2	0·8	8
170	1·8	200	2·5	210	2·2	200	0·4	210	0·8	190	0·6	210	0·5	160	0·6	190	1·7	190	3·2	180	0·7	190	2·4	0·8	9
200	8·3	210	9·4	220	10·3	220	11·0	220	11·3	220	10·1	220	11·0	210	11·3	210	10·6	200	9·9	200	11·8	190	11·3	9·3	10
230	16·0	240	11·3	230	6·7	230	10·0	220	10·5	240	10·1	260	9·3	270	9·6	250	9·3	250	7·4	250	8·7	260	(10·2)	12·8	11
300	9·9	270	1·8	290	3·5	300	8·3	40	2·4	200	1·2	40	0·5	120	0·5	150	0·4	160	2·1	200	1·4	310	1·1	7·6	12
···	···	190	0·9	190	2·5	200	2·2	210	2·7	210	3·6	200	3·1	230	3·3	220	4·6	280	2·8	220	0·8	260	2·5	1·5	13
290	6·4	300	7·2	300	7·3	300	7·7	300	5·0	300	3·8	300	1·4	140	1·5	240	1·5	330	1·8	300	7·8	350	5·1	4·9	14
110	0·1	---	0·0	170	0·1	160	1·8	180	2·3	210	1·5	240	0·7	260	0·2	210	0·1	220	3·2	220	5·0	220	4·4	1·8	15
200	2·8	210	3·8	230	4·5	210	2·3	220	2·3	150	0·5	260	0·1	110	0·2	230	0·2	260	0·1	330	1·0	330	0·9	3·2	16
20	3·2	20	2·4	20	2·4	20	2·7	20	2·9	20	3·7	20	3·7	10	3·2	20	4·8	20	4·9	20	5·1	20	4·6	2·5	17
50	2·8	40	3·2	30	3·0	40	3·8	30	3·7	40	3·5	40	4·3	20	3·9	10	3·4	30	3·6	30	3·7	30	3·6	3·9	18
40	3·0	60	3·2	50	2·6	50	3·1	50	3·1	50	1·7	50	2·2	50	1·5	60	0·7	40	1·4	40	1·8	20	2·4	2·7	19
180	0·1	140	0·1	150	0·3	---	0·0	360	0·7	360	0·1	350	1·2	350	2·3	360	1·5	10	0·2	10	0·3	360	0·7	1·0	20
170	0·2	160	0·5	300	1·3	300	1·2	240	1·0	180	0·3	350	0·2	20	0·1	190	0·1	---	0·0	360	0·1	230	0·1	0·8	21
30	0·2	290	3·9	300	4·8	290	4·9	290	5·0	290	4·7	290	3·7	290	5·2	290	6·7	290	9·0	300	6·0	290	7·2	2·8	22
290	6·9	300	8·0	300	12·2	290	13·6	300	13·4	310	13·7	300	12·2	280	9·8	280	7·9	340	2·8	130	3·3	270	3·6	6·8	23
220	8·2	220	5·8	240	7·7	250	8·9	250	10·0	220	9·3	230	12·6	250	14·8	250	16·9	250	15·0	250	14·4	250	13·4	8·4	24
280	10·0	270	11·4	270	9·6	260	5·8	270	7·2	290	10·3	310	12·9	300	9·8	290	11·2	300	14·0	320	15·0	340	18·2	11·1	25
340	12·5	340	11·1	340	10·6	350	9·7	340	9·9	350	9·9	340	10·9	340	11·2	340	10·2	340	10·5	340	10·5	350	10·6	12·8	26
350	9·7	350	8·6	350	6·3	350	5·0	350	5·0	10	4·4	10	6·2	10	6·8	360	4·7	360	5·3	30	1·5	100	0·8	7·6	27
170	3·1	190	3·3	200	3·3	200	3·3	190	3·4	190	2·7	200	2·0	170	1·9	150	0·3	80	0·2	---	0·0	310	0·1	1·1	28
150	0·1	50	0·1	270	0·5	280	0·1	80	0·1	350	0·2	140	0·1	140	0·1	150	0·5	180	0·2	140	0·7	150	0·7	0·8	29
170	4·6	180	5·7	280	6·7	290	5·2	310	3·5	190	1·7	280	1·8	220	1·7	190	1·0	170	2·5	170	1·6	180	0·9	2·9	30
280	9·1	280	11·1	280	10·7	280	12·3	280	14·0	280	14·4	280	12·2	280	12·2	280	8·8	280	8·2	270	9·6	270	7·0	8·7	31
---	5·0	---	4·8	---	4·9	---	5·0	---	4·9	---	4·6	---	4·4	---	4·3	---	4·4	---	4·6	---	4·5	---	4·5	4·9	

FEBRUARY, 1935

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	16·6	270	14·9	270	16·6	270	16·3	260	16·8	250	15·6	250	15·2	250	15·0	250	14·7	250	12·9	250	12·7	250	11·5	12·6	1
280	10·7	290	13·5	290	11·8	290	13·0	290	12·0	290	10·5	300	10·0	290	9·1	290	10·0	300	9·7	300	6·2	70	1·1	10·6	2
210	0·8	130	0·3	50	0·3	180	0·1	190	0·4	220	0·3	230	0·4	250	1·4	170	0·2	180	0·3	230	0·3	360	0·1	1·6	3
180	3·1	210	4·2	230	4·9	210	4·0	210	3·7	250	3·3	280	3·4	290	4·3	280	3·3	280	3·1	280	3·0	270	3·7	2·1	4
230	1·7	160	1·0	140	0·4	160	1·0	170	2·8	160	2·6	180	2·0	210	0·7	200	0·5	280	0·1	360	0·1	10	6·2	3·1	5
20	6·3	30	6·0	40	5·7	20	5·0	10	3·7	10	3·6	350	3·3	350	2·7	···	···	140	0·1	200	0·1	50	0·2	6·0	6
260	1·5	280	2·8	290	2·3	300	1·7	290	1·1	360	0·7	60	0·2	220	0·1	330	0·2	210	0·3	270	0·1	360	0·1	0·7	7
150	1·3	150	0·9	170	1·2	170	1·7	160	0·4	160	0·1	---	0·0	---	0·0	40	0·1	40	0·1	---	0·0	320	0·1	0·3	8
230	4·5	230	4·7	190	5·0	190	5·5	200	5·0	210	4·2	200	2·2	190	0·4	140	1·2	70	0·3	90	1·0	290	4·9	1·7	9
270	2·8	270	1·0	190	0·8	190	2·4	190	2·5	230	3·3	240	4·6	230	5·8	240	7·7	230	7·8	220	5·1	220	4·9	2·7	10
260	9·4	220	9·0	210	6·8	210	8·3	200	10·0	200	9·7	210	12·1	210	12·2	210	13·9	210	13·2	210	14·0	210	14·6	7·7	11
250	6·2	260	6·1	230	3·3	250	3·2	260	3·0	240	4·1	220	2·6	210	1·7	200	0·6	190	1·5	180	1·9	190	4·8	7·3	12
240	7·3	240	5·5	230	4·0	240	5·0	220	4·3	200	2·7	190	2·1	180	2·7	210	3·9	240	7·9	230	9·1	240	8·3	7·1	13
290	13·6	280	11·3	280	10·4	280	9·5	280	6·5	270	6·0	260	7·5	250	6·4	250	5·0	240	6·0	240	7·9	250	9·6	10·1	14
210	7·8	210	7·1	220	7·5	210	6·7	220	8·0	250	9·8	250	10·9	270	11·4	260	11·7	270	8·0	280	8·7	270	8·0	10·2	15
230	13·8	240	13·7	240	12·7	250	11·8	260	10·0	260	11·3	270	9·4	300	13·0	310	17·0	300	16·7	300	13·7	300	14·1	11·8	16
240	9·8	230	8·1	230	6·7	240	7·5	230	9·2	220	7·8	220	6·7	220	8·5	210	8·0	220	7·6	230	9·1	230	9·7	7·8	17
220	14·3	210	13·8	210	13·9	210	15·1	210	15·1	220	16·5	220	17·2	220	16·9	210	16·1	210	16·5	220	16·2	220	17·2	14·5	18
280	2·8	280	3·4	290	2·2	20	0·3	80	2·9	20	2·4	30	0·5	40	0·1	150	0·3	160	2·1	180	3·7	200	9·4	9·0	19
200	11·8	200	10·5	200	10·1	200	10·0	200	9·7	200	8·5	210	9·4	200	7·6	200	9·3	210	10·1	200	10·8	200	8·7	12·3	20
240	12·7	240	14·0	240	13·6	240	11·3	240	10·0	230	7·9	220	8·3	220	6·5	230	7·1	240	6·6	240	5·0	230	5·1	9·5	21
250	4·9	260	8·5	270	6·8	270	7·1	260	5·7	260	5·3	250	6·6	240	5·1	240	4·8	250	3·2	180	0·3	250	1·4	4·2	22
10	4·1	350	3·9	20	3·0	20	2·3	340	1·0	330	1·2	330	1·0	340	0·2	350	0·1	350	0·3	340	0·2	360	0·1	2·8	23
350	2·5	360	4·0	20	1·2	10	0·9	350	3·8	60	3·4	50	5·0	50	5·9	40	6·5	50	6·8	50	7·2	40	9·3	2·7	24
10	10·2	10	10·6	10	9·2	10	7·1	10	6·6	10	5·8	360	5·6	350	7·3	350	7·2	360	5·4	10	3·2	360	3·8	10·0	25
220	10·1	230	8·7	220	10·6	210	9·4	200	5·1	200	6·2	190	5·3	190	3·2	170	3·7	180	3·5	190	3·5	190	3·0	4·0	26
150	9·0	150	8·1	150	6·5	150	5·1	140	3·5	130	0·8	140	3·1	140	2·6	150	2·2	140	2·3	150	3·1	160	3·4	6·4	27
150	3·8	150	3·8	140	3·9	140	2·5	120	2·2	130	2·8	180	0·2	80	0·1	10	0·4	20	0·2	---	0·0	330	0·1	2·2	28
---	7·3	---	7·1	---	6·5	---	6·2	---	5·9	---	5·6	---	5·5	---	5·4	---	5·6	---	5·4	---	5·2	---	5·8	6·5	
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

WIND: DIRECTION AND SPEED
Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

239. 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	0·3	---	0·0	---	0·0	---	0·0	180	0·1	180	0·3	180	0·4	170	1·0	160	1·4	160	2·5	180	3·0	150	2·7
2	50	2·6	50	1·4	60	2·1	40	1·2	170	0·2	10	0·4	20	0·9	20	0·8	20	1·6	50	1·7	60	2·4	60	1·6
3	160	3·1	180	2·0	180	1·9	190	1·2	150	0·8	160	1·4	160	3·6	160	3·8	150	3·3	150	4·3	150	5·3	160	4·9
4	320	0·7	290	5·2	290	5·0	280	1·9	240	0·3	270	0·4	210	1·7	230	2·1	260	2·6	270	2·5	270	1·8	260	3·5
5	250	7·3	240	5·2	230	3·9	230	3·8	230	4·4	240	4·9	250	5·0	240	6·5	240	7·8	240	8·2	240	8·0	250	6·7
6	210	0·5	150	0·5	150	1·2	160	0·5	10	0·1	---	0·0	350	0·2	170	0·2	150	0·3	150	1·3	190	4·0	180	2·7
7	350	0·1	340	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	160	1·1	170	1·8
8	350	0·6	360	1·0	350	1·7	350	0·8	350	0·5	340	1·0	360	1·1	10	0·8	10	0·1	30	0·6	90	2·2	130	4·0
9	100	4·8	100	4·4	100	4·6	100	4·4	100	3·5	80	3·7	60	2·6	80	4·8	100	6·2	90	7·6	90	7·5	90	6·5
10	60	7·3	70	8·5	60	7·6	50	7·3	60	7·8	60	8·7	50	10·2	60	9·6	60	9·2	50	9·4	60	10·5	60	10·3
11	60	6·4	40	2·8	50	8·4	70	10·0	70	10·2	70	8·8	70	8·3	60	10·5	60	10·9	70	8·4	70	10·7	70	9·5
12	20	4·0	20	3·6	100	2·3	360	1·8	10	4·2	20	5·0	10	4·7	360	2·3	20	2·5	50	5·0	60	3·9	50	4·3
13	50	2·6	70	3·7	70	2·1	70	2·5	70	2·5	40	2·3	40	2·2	50	2·3	50	4·9	60	6·0	60	6·6	70	5·5
14	10	4·3	10	4·9	10	4·6	30	4·1	30	3·7	40	4·0	40	4·3	30	5·0	40	4·8	40	4·6	30	5·6	50	6·1
15	60	2·3	50	2·0	40	1·7	50	2·7	60	1·6	30	0·4	360	0·8	10	0·3	360	0·2	30	0·1	170	1·5	180	2·3
16	360	1·3	360	0·5	360	1·3	360	2·3	360	2·0	10	2·0	360	3·6	10	2·1	20	1·6	20	1·8	40	2·2	60	2·2
17	360	2·0	360	1·9	360	2·4	10	2·9	10	1·8	10	2·1	10	2·0	10	3·2	20	3·1	30	1·9	40	2·4	30	1·6
18	340	0·1	350	0·2	---	0·0	190	0·1	230	0·2	180	0·4	190	0·3	200	0·2	190	0·5	180	2·7	200	5·5	210	7·8
19	190	5·7	200	6·9	210	7·5	210	6·4	220	6·6	210	5·8	200	5·0	210	5·3	210	6·0	220	5·0	220	4·2	220	3·4
20	200	4·4	210	7·3	210	6·8	210	9·3	210	8·2	210	7·5	220	7·8	240	6·4	240	6·4	240	5·8	250	6·3	250	6·9
21	180	2·2	190	1·2	220	3·4	230	4·6	230	5·7	230	3·8	220	4·9	220	5·5	210	5·9	210	6·0	220	6·6	210	5·8
22	200	5·6	200	7·0	210	7·7	210	7·1	230	5·5	220	5·1	220	7·5	210	7·2	220	7·0	230	9·2	220	9·4	200	10·6
23	230	10·8	230	8·3	230	9·0	250	8·2	260	10·3	260	10·1	260	9·9	260	8·6	260	8·0	260	9·6	260	9·4	250	7·9
24	270	6·1	280	6·2	300	7·0	280	6·7	300	9·3	300	9·1	310	5·8	300	5·0	280	4·5	280	6·9	260	6·6	260	5·0
25	220	7·3	220	7·2	230	6·8	210	6·0	200	5·2	210	5·0	220	6·8	210	7·7	200	7·1	200	8·7	220	14·1	230	15·2
26	270	15·1	270	12·8	270	14·4	270	14·2	270	15·0	270	14·8	270	13·9	270	15·0	270	15·7	260	14·2	260	13·3	260	12·8
27	280	7·3	270	6·3	280	6·0	280	7·5	280	2·6	290	2·8	300	5·4	290	6·7	290	1·7	290	2·9	290	6·4	310	7·1
28	140	0·3	100	0·2	240	0·4	360	0·2	280	0·1	360	0·1	280	0·3	90	0·1	120	0·2	170	1·0	280	2·9	270	4·2
29	310	6·2	330	3·7	100	1·5	170	0·8	200	2·3	300	3·0	60	0·8	180	0·6	20	1·8	50	6·0	50	6·5	50	4·3
30	210	5·6	210	4·8	230	5·4	240	5·8	250	6·0	250	6·3	250	5·6	240	5·2	270	7·6	260	3·9	270	5·5	260	5·0
31	190	4·6	200	4·5	190	3·8	220	4·3	240	7·4	210	4·8	230	5·8	220	6·9	220	5·7	230	6·8	240	8·9	250	8·6
Mean	---	4·2	---	4·0	---	4·2	---	4·1	---	4·1	---	4·0	---	4·2	---	4·4	---	4·5	---	5·0	---	5·9	---	5·8

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	280	5·2	270	7·2	280	6·4	280	6·8	280	7·3	280	6·6	290	5·4	280	5·1	290	9·8	290	11·5	290	9·8	300	5·3
2	350	8·1	350	9·5	350	9·8	350	9·5	350	7·9	350	8·6	360	8·2	360	8·3	10	10·3	10	10·7	360	7·7	360	7·2
3	10	6·9	350	7·5	350	8·0	360	8·8	360	8·2	360	6·9	360	5·8	360	7·7	10	7·8	10	7·2	360	7·8	350	6·7
4	290	8·0	310	6·7	310	6·0	310	6·0	310	9·5	360	6·0	10	4·5	350	5·2	340	6·6	320	7·0	330	8·9	310	8·8
5	310	10·5	310	6·8	320	6·2	310	7·3	310	8·5	300	9·2	300	9·5	320	11·8	330	13·3	330	12·8	350	13·5	340	11·4
6	300	10·7	310	7·8	320	5·6	320	3·9	320	5·8	310	8·4	300	8·0	320	7·4	330	8·7	330	7·8	350	5·3	340	4·9
7	360	3·1	360	3·1	360	3·2	10	2·4	360	2·7	350	2·8	360	2·2	30	2·2	50	3·3	100	4·4	100	5·0	110	5·5
8	210	6·5	210	5·1	220	5·9	210	6·4	230	5·1	270	4·3	280	2·5	280	2·8	270	4·2	290	4·0	300	4·7	290	4·0
9	60	3·0	40	2·6	80	3·8	100	5·7	90	3·8	70	1·2	220	0·5	210	2·9	210	5·2	220	8·9	260	6·5	240	6·4
10	160	5·2	160	6·7	190	10·9	190	12·0	190	15·0	200	18·9	200	16·7	200	17·2	200	18·4	200	18·3	200	18·1	200	18·2
11	230	16·2	240	13·7	240	10·1	250	9·9	260	11·0	250	9·8	230	8·0	250	11·3	250	11·0	250	12·8	250	13·0	250	15·0
12	290	5·0	310	7·3	300	8·4	50	2·1	320	3·2	360	1·5	350	3·3	350	1·2	10	2·5	20	2·8	40	2·9	20	1·8
13	350	0·7	350	0·8	340	0·8	340	1·3	330	0·7	350	0·8	360	1·9	360	1·8	10	0·4	100	1·3	160	1·4	150	2·7
14	120	3·0	120	3·4	110	2·9	80	2·4	70	3·5	90	5·0	100	4·4	90	4·8	100	4·7	110	5·5	110	5·6	120	5·3
15	360	1·6	360	0·9	360	1·1	10	0·5	350	0·2	---	0·0	320	0·1	180	0·2	160	1·9	160	3·6	190	5·8	200	7·3
16	360	0·1	---	0·0	80	0·1	40	0·4	40	0·4	70	1·3	30	0·6	10	1·2	30	1·7	20	2·2	30	1·7	360	1·0
17	240	7·1	230	7·2	230	7·2	230	7·3	230	6·5	220	5·8	220	7·1	210	6·3	230	5·4	220	2·4	210	2·7	250	2·8
18	10	3·8	360	3·0	10	2·5	10	3·2	10	2·8	10	1·8	10	1·3	10	3·0	20	4·3	40	3·4	40	4·5	50	3·9
19	150	0·5	300	0·7	30	2·5	40	3·8	40	4·8	20	2·5	30	3·2	40	4·4	50	5·2	60	4·2	70	2·1	70	1·8
20	20	0·5	30	0·6	50	0·9	40	0·7	20	0·6	10	1·2	20	0·5	30	0·9	110	2·2	120	3·7	150	2·2	150	4·0
21	110	3·1	80	0·7	10	1·2	30	0·7	40	0·3	100	0·1	160	1·4	150	4·0	150	5·0	140	5·8	140	7·5	150	7·2
22	340	1·2	350	1·7	10	1·9	10	1·4	10	2·5	10	3·0	10	2·5	30	2·2	40	2·5	80	3·4	70	4·2	60	4·1
23	10	1·0	360	0·8	340	0·3	---	0·0	---	0·0	---	0·0	300	0·1	---	0·0	10	0·1	20	1·6	40	1·7	30	4·7
24	30	0·6	360	0·8	30	1·1	20	0·2	360	1·7	360	0·7	30	1·8	40	1·7	80	0·7	50	0·6	120	0·8	100	0·2
25	350	1·4	340	2·2	350	1·7	80	0·8	110	0·3	180	0·9	10	4·6	10	5·1	20	5·7	20	6·1	30	6·5	30	6·3
26	10	3·0	20	3·5	10	5·3	20	6·1	20	5·7	20	6·4	30	6·8	20	6·9	20	6·7	40	6·0	30	5·9	50	6·7
27	20	5·0	30	2·9	30	3·5	30	3·8	30	3·2	30	4·1	20	3·9	20	3·1	30	2·7	40	2·7	40	3·0	40	2·5
28	310	0·6	330	0·1	---	0·0	---	0·0	50	0·1	---	0·0	---	0·0	---	0·0	150	0·4	190	1·2	190	1·9	200	2·5
29	160	0·2	160	0·7	170	0·8	190	1·1	200	1·4	200	1·2	200	0·8	240	2·0	230	3·5	250	2·9	210	3·4	180	3·0
30	---	0·0	---	0·0	---	0·0	---	0·0	340	0·2	320	0·2	10	0·1	90	0·1	100	0·4	100	0·3	110	0·8	130	1·2
Mean	---	4·1	---	3·8	---	3·9	---	3·8	---	4·1	---	4·0	---	3·9	---	4·4	---	5·1	---	5·5	---	5·5	---	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	

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, 1935

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	
150	3·0	150	4·0	130	2·9	80	4·5	100	3·3	100	3·1	70	3·1	70	0·5	30	0·9	40	1·7	40	2·1	30	1·4	1·8	1
50	0·1	150	2·0	160	2·3	160	2·5	160	2·7	170	1·2	170	0·3	---	0·0	190	0·1	---	0·0	170	0·6	150	2·0	1·3	2
160	5·6	160	4·8	170	5·5	190	7·2	220	6·5	290	11·5	300	11·4	330	6·8	320	6·7	300	5·5	300	5·2	320	4·3	4·9	3
240	4·8	220	5·3	220	5·1	190	5·8	190	6·3	190	5·0	210	5·0	180	2·8	180	3·7	200	7·2	210	11·0	210	10·2	4·2	4
290	7·3	280	6·1	280	6·7	270	7·3	290	5·5	280	4·9	290	3·3	220	1·4	220	3·1	270	2·5	270	0·7	250	0·1	5·0	5
190	2·9	200	3·5	210	3·8	210	3·3	260	1·6	130	0·2	200	2·1	210	0·3	140	0·6	160	1·3	180	0·3	200	0·1	1·3	6
170	2·0	210	1·5	210	2·1	180	1·2	160	0·8	---	0·0	320	0·2	320	0·2	330	0·3	360	0·2	340	0·1	340	0·5	0·5	7
130	5·5	130	5·6	120	4·8	100	4·3	100	4·5	100	4·9	100	4·7	110	5·4	100	6·1	110	5·0	100	3·5	100	5·0	3·1	8
90	7·5	70	7·9	80	8·2	60	7·7	60	7·9	50	7·0	60	7·5	40	4·9	50	5·4	40	4·6	60	5·9	70	6·2	5·9	9
60	10·8	70	10·9	60	10·1	70	10·8	70	9·2	80	9·0	70	9·8	60	9·2	60	9·1	60	9·8	50	9·8	60	8·9	9·3	10
70	10·0	80	11·2	70	10·0	70	9·5	70	7·9	50	4·2	20	3·3	360	3·5	20	4·5	10	4·0	10	3·4	10	3·3	7·5	11
60	4·3	70	5·2	80	4·9	90	4·4	90	4·4	70	5·3	20	1·0	30	2·3	50	1·2	50	3·0	40	2·8	40	2·6	3·5	12
60	4·3	70	5·0	80	5·2	80	4·7	80	4·4	40	1·8	40	1·9	30	3·2	30	3·8	20	4·3	10	3·5	10	3·7	3·7	13
40	5·8	40	6·0	30	6·4	40	6·9	30	7·6	40	5·8	50	5·0	40	4·2	30	3·7	60	2·9	50	2·3	50	2·6	4·8	14
190	3·2	190	2·5	200	1·9	200	0·1	---	0·0	340	0·3	320	1·4	350	0·1	360	0·1	340	0·1	360	0·5	350	1·1	1·1	15
60	2·0	150	3·7	140	3·2	120	3·1	120	2·0	80	0·7	30	1·2	20	0·8	10	1·6	360	1·8	10	1·3	20	0·6	1·9	16
40	1·3	80	1·7	110	0·2	150	0·9	150	1·1	80	0·9	40	0·5	40	0·6	150	0·1	40	0·7	40	0·3	40	0·3	1·5	17
200	8·9	210	8·4	210	8·7	210	6·8	220	4·1	220	3·5	230	2·5	200	3·1	210	3·5	200	2·2	170	3·5	170	2·4	3·1	18
180	3·6	170	4·9	180	6·6	190	6·7	230	7·7	230	6·7	230	6·3	230	3·7	200	3·0	210	3·0	210	2·8	190	0·6	5·1	19
250	6·8	260	5·3	260	6·4	260	6·5	260	5·5	270	6·0	260	3·7	220	2·4	180	1·2	230	2·2	210	4·0	220	3·2	5·7	20
210	6·4	210	6·2	220	6·4	210	7·1	200	6·9	200	5·9	200	5·6	210	7·4	210	5·7	210	6·6	210	6·7	210	5·6	5·5	21
200	11·6	200	13·0	210	12·7	210	12·5	210	10·8	210	9·9	220	9·4	220	9·0	220	9·6	220	8·7	210	8·5	220	9·2	8·9	22
250	7·3	230	7·7	220	5·7	220	4·2	230	2·7	260	2·3	260	2·6	260	4·2	260	3·9	240	4·8	240	5·9	240	4·3	6·9	23
260	5·0	260	4·9	260	4·9	250	6·0	240	5·8	220	5·9	230	6·7	220	5·9	200	5·2	200	5·4	220	6·7	210	5·0	6·1	24
240	15·5	240	15·5	240	15·4	240	15·8	240	14·9	230	12·6	260	10·8	260	12·7	270	13·0	270	12·7	270	15·1	270	14·7	11·1	25
260	10·8	260	12·0	260	12·8	270	13·4	270	13·1	260	11·7	270	10·0	270	10·1	260	11·8	270	11·9	280	9·4	280	9·0	12·8	26
300	6·0	300	6·7	290	5·8	290	5·0	290	5·5	300	5·0	300	4·0	270	1·8	180	0·6	190	0·6	70	0·7	190	0·4	4·4	27
280	4·0	280	5·3	290	5·4	290	5·1	260	6·4	290	3·1	310	4·3	270	2·1	90	1·1	220	1·5	290	2·6	300	5·5	2·3	28
60	3·3	80	2·9	100	1·3	170	2·3	170	1·9	170	0·5	190	0·3	200	1·4	200	2·0	220	0·1	170	0·2	190	1·2	2·3	29
260	6·3	260	7·2	260	6·6	250	5·1	250	3·7	220	3·2	240	4·7	240	4·2	240	3·1	230	3·1	220	4·0	200	4·7	5·1	30
260	7·3	270	7·0	280	7·5	280	8·0	280	6·7	290	7·3	270	3·1	290	7·5	300	8·4	290	7·5	300	9·9	290	5·8	6·6	31
---	5·9	---	6·3	---	6·1	----	6·1	---	5·5	---	4·8	---	4·4	---	3·9	---	4·0	---	4·0	---	4·3	---	4·0	4·7	

APRIL, 1935

°	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	5·9	320	6·5	330	8·3	350	9·6	350	9·5	350	9·9	360	7·2	350	5·6	350	6·6	350	7·1	350	8·2	350	9·3	7·5	1
360	7·0	10	8·4	350	9·2	350	7·8	360	6·4	360	6·9	360	4·9	360	5·0	360	5·0	360	6·5	360	7·0	360	6·3	7·8	2
350	6·9	340	6·5	320	6·0	300	6·6	290	7·2	290	6·8	290	5·2	290	6·6	280	9·0	280	6·8	270	7·2	290	8·3	7·2	3
310	8·9	330	7·3	340	10·0	320	9·5	320	8·3	320	7·6	330	9·8	330	8·5	320	8·7	310	9·8	310	11·0	310	11·4	8·1	4
290	11·9	300	12·0	310	10·1	290	10·0	300	11·1	290	12·7	310	12·0	310	10·2	290	10·5	290	9·7	300	7·5	300	10·8	10·4	5
10	5·7	10	4·5	40	3·3	40	3·7	70	3·5	70	4·3	80	3·6	10	0·7	360	1·0	350	1·8	350	0·9	360	2·0	5·0	6
120	6·3	120	6·5	120	5·8	110	3·5	340	1·5	340	1·5	350	1·7	190	2·7	200	6·1	190	6·0	200	5·5	210	5·1	3·8	7
300	4·3	300	4·3	310	2·5	350	1·8	20	1·9	50	2·2	60	1·9	60	3·6	60	3·5	50	3·7	60	4·3	50	4·2	3·9	8
240	9·1	230	9·7	220	10·1	210	10·1	200	8·1	200	6·1	220	8·2	210	8·2	200	9·8	200	11·5	210	10·5	180	6·2	6·8	9
200	18·0	200	16·6	240	11·4	240	10·1	230	12·4	220	12·3	210	13·1	220	13·5	210	13·8	200	15·8	200	16·2	210	17·5	14·4	10
250	14·9	250	15·1	250	17·0	250	15·5	270	11·3	270	10·0	270	10·1	270	9·8	280	8·8	280	9·5	280	6·8	280	4·0	11·4	11
20	3·0	10	3·3	350	2·8	360	3·5	10	3·7	20	3·5	60	3·1	30	0·4	360	1·2	350	1·9	10	1·8	350	0·2	2·9	12
160	4·6	160	3·5	190	3·6	190	0·9	150	1·1	110	3·7	90	3·8	90	4·3	130	3·0	130	4·7	120	4·9	110	5·1	2·4	13
130	3·8	100	3·1	110	5·1	90	3·6	80	4·8	60	5·0	50	4·9	60	2·6	40	0·9	30	0·8	20	0·9	350	1·2	3·6	14
200	7·8	200	8·5	210	8·3	210	8·0	210	7·2	210	5·3	220	3·6	210	1·8	200	0·6	40	0·1	320	0·1	330	0·4	3·1	15
100	0·4	180	0·5	270	3·7	280	4·3	270	4·4	260	4·3	260	6·1	260	5·6	250	6·7	250	7·3	240	8·1	240	7·6	2·9	16
160	0·9	150	1·4	170	1·3	30	0·5	40	1·3	40	0·8	10	1·9	350	2·0	10	1·5	10	1·4	10	2·8	10	2·6	3·8	17
60	1·5	40	4·2	20	4·3	60	3·2	120	2·8	150	1·5	20	0·2	40	0·9	60	2·2	50	1·8	30	1·1	40	1·8	2·6	18
50	1·8	90	2·4	110	2·5	140	4·1	150	4·2	140	4·4	140	2·8	150	2·5	130	0·9	140	0·6	80	1·0	30	0·4	2·6	19
140	5·3	60	0·7	80	3·3	100	7·4	70	6·6	60	6·3	90	8·1	80	8·7	80	7·3	70	6·8	70	5·7	80	4·2	3·7	20
140	6·5	140	5·1	150	3·5	160	6·0	140	6·0	110	9·6	110	8·5	100	5·0	120	6·5	120	4·8	180	0·5	90	0·7	4·2	21
60	4·7	90	4·1	120	4·5	270	2·4	360	2·9	50	1·5	30	1·3	310	0·8	360	0·5	360	0·7	320	0·8	320	1·1	2·3	22
60	5·6	60	4·8	70	3·6	70	5·3	60	4·4	50	3·0	40	1·6	60	1·8	50	0·3	50	2·2	40	1·8	50	2·1	1·9	23
20	2·7	70	3·2	60	3·9	70	4·7	70	4·0	70	4·5	60	2·5	60	0·8	10	1·2	340	2·0	350	1·7	350	1·8	1·8	24
30	7·4	30	6·2	40	7·2	30	6·7	30	7·2	30	6·6	30	6·5	30	6·7	20	4·1	20	3·3	20	5·2	30	4·7	4·7	25
40	5·4	40	5·6	30	5·5	30	5·5	30	5·7	30	5·0	40	5·0	40	4·2	30	5·7	20	4·3	20	5·3	20	6·3	5·5	26
50	3·5	60	4·2	60	5·0	60	5·4	50	5·2	50	5·7	50	4·5	40	3·1	50	2·4	30	1·7	20	1·7	130	0·4	3·5	27
250	2·4	260	2·7	260	3·2	290	1·8	320	2·0	360	1·6	250	1·2	340	0·6	350	0·2	340	0·6	340	0·5	---	0·0	1·0	28
140	1·5	90	0·8	10	2·5	10	2·9	360	2·7	340	1·4	210	1·5	170	1·1	280	0·1	---	0·0	340	0·6	---	0·0	1·5	29
180	3·1	200	3·2	200	1·6	150	2·1	120	2·3	90	0·1	100	0·2	60	0·6	80	2·2	60	1·7	60	1·0	70	1·4	0·9	30
---	5·7	----	5·5	---	5·6	---	5·5	---	5·3	---	5·1	---	4·8	---	4·3	---	4·3	---	4·5	---	4·4	---	4·2	4·7	
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

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

241. 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	90	1·2	80	0·5	100	0·2	120	0·3	150	0·8	140	1·8	140	3·8	140	4·5	130	4·9	150	3·2	160	3·4	160	4·0
2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	190	0·4	180	2·9	170	2·6	170	2·4	220	3·7	230	4·0
3	350	0·3	350	0·8	350	1·0	340	1·3	340	0·7	340	0·7	360	0·2	10	0·1	60	0·1	130	1·2	160	2·8	170	2·4
4	340	0·5	340	1·3	350	0·7	340	1·0	350	1·2	350	0·9	30	0·4	140	0·2	130	3·0	140	2·7	150	3·4	170	4·7
5	360	1·8	360	2·9	360	4·2	360	2·1	360	2·5	350	1·5	360	0·8	120	0·1	150	0·8	170	2·0	190	3·2	200	4·2
6	---	0·0	---	0·0	---	0·0	---	0·0	350	0·1	340	0·1	20	0·3	10	2·1	60	4·0	60	4·0	70	5·3	70	5·1
7	350	1·2	360	1·4	350	1·0	10	0·6	10	1·0	20	2·4	20	3·9	30	5·2	30	5·0	50	5·1	60	6·1	60	5·7
8	10	2·0	350	1·3	250	0·7	350	1·6	30	2·7	30	2·3	30	2·5	30	2·6	10	1·2	70	0·8	130	1·3	80	2·4
9	60	0·8	90	0·9	350	4·2	350	4·5	10	4·7	30	4·9	30	5·0	40	5·0	30	5·6	40	6·6	60	7·3	60	7·5
10	20	5·0	20	4·8	30	4·9	30	4·5	30	4·9	30	5·8	30	5·5	30	5·4	50	4·5	50	5·5	50	5·8	50	6·1
11	20	5·6	20	4·6	20	6·1	20	8·1	20	7·7	20	4·6	20	4·5	20	5·7	20	5·2	60	4·1	60	5·0	70	4·8
12	30	3·7	30	4·0	20	3·5	30	4·4	30	3·8	20	4·8	30	7·2	30	7·2	30	7·3	30	8·1	30	7·9	30	7·1
13	350	2·0	350	3·6	360	3·6	10	0·8	90	0·2	150	0·1	50	0·5	320	2·2	310	3·4	300	5·8	280	5·6	270	5·1
14	30	6·0	20	5·9	20	6·0	20	5·9	20	6·5	20	6·8	20	6·3	20	7·2	20	8·1	20	9·4	20	9·9	20	10·5
15	360	2·3	350	0·7	130	0·2	---	0·0	---	0·0	---	0·0	---	0·0	170	1·4	220	7·0	230	7·4	240	7·6	230	7·5
16	20	10·0	20	10·1	10	7·3	360	7·2	360	6·8	350	8·8	350	9·2	350	8·7	360	8·3	350	8·4	360	7·8	360	7·5
17	10	4·9	20	4·0	10	3·1	10	3·9	10	5·5	10	6·5	10	5·8	10	7·5	10	8·1	10	6·5	10	6·2	10	6·1
18	350	6·3	350	6·8	350	5·2	360	2·8	230	1·8	360	4·0	350	6·0	360	6·5	360	6·0	360	5·2	350	4·6	350	4·5
19	---	0·0	20	0·1	---	0·0	360	0·2	360	0·3	360	0·3	170	0·2	140	4·3	140	5·2	150	5·2	130	5·0	160	5·0
20	10	1·2	10	0·4	20	0·9	10	0·6	60	2·5	50	4·0	50	4·9	60	7·1	60	7·3	60	8·4	60	8·5	60	9·0
21	30	2·8	20	3·2	20	4·8	20	5·8	30	5·5	30	6·3	30	6·5	30	6·3	40	5·9	60	5·0	70	4·6	80	4·2
22	350	0·5	360	0·6	350	1·2	350	0·9	360	0·9	---	0·0	50	0·1	80	2·1	80	2·9	70	3·7	70	5·0	70	5·4
23	40	3·8	40	4·8	40	4·3	30	4·9	30	5·6	40	5·8	40	6·0	50	8·2	60	9·0	50	7·9	50	7·5	50	6·9
24	30	4·0	30	3·0	20	1·9	20	4·5	20	5·8	20	5·3	20	5·5	30	5·7	40	5·8	40	6·9	30	6·7	40	8·1
25	20	7·6	20	5·2	30	5·5	30	5·7	30	6·8	40	7·5	40	7·4	30	6·7	30	6·9	40	7·6	40	8·7	50	8·6
26	30	7·0	20	7·6	30	5·7	40	5·7	40	5·0	40	5·8	40	5·9	40	6·4	40	6·3	40	6·3	50	7·0	60	7·2
27	30	5·9	30	5·7	30	5·7	20	5·6	20	4·8	30	5·2	30	5·2	30	5·8	40	6·7	40	6·0	50	7·2	60	6·5
28	10	2·9	10	2·5	360	1·6	10	1·0	10	1·5	20	2·2	40	3·9	50	5·6	60	5·2	50	5·7	60	6·5	80	6·8
29	20	4·0	20	3·3	10	4·5	20	3·5	10	3·6	20	3·9	10	4·8	30	5·6	40	5·5	50	6·0	50	5·2	60	5·9
30	10	3·9	20	4·9	20	4·8	20	4·7	30	4·4	20	5·2	20	5·5	20	5·3	30	5·4	30	4·9	40	4·8	40	5·0
31	20	3·0	10	2·8	30	4·0	30	5·0	30	5·0	30	5·6	30	5·1	40	5·5	50	5·7	60	6·3	60	5·8	50	4·9
Mean	---	3·2	---	3·2	---	3·1	---	3·1	---	3·3	---	3·6	---	4·0	---	4·8	---	5·3	---	5·4	---	5·8	---	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	360	2·8	360	3·2	350	3·5	360	4·9	10	4·7	20	4·7	30	4·7	50	4·8	50	4·4	50	3·2	50	2·8	50	3·8
2	10	5·0	350	5·8	350	6·5	350	7·2	350	6·2	10	3·3	40	5·1	50	5·6	50	5·5	40	5·3	60	5·2	80	4·0
3	360	1·6	10	0·5	360	1·4	350	0·7	340	0·8	10	1·0	120	0·2	190	2·6	190	3·9	230	3·2	220	3·8	210	6·4
4	360	3·6	20	2·9	50	4·0	60	4·5	70	4·3	70	3·6	70	3·9	80	4·3	90	3·7	80	3·3	80	3·4	60	3·7
5	30	2·6	40	2·8	20	2·0	30	2·5	10	1·3	20	1·2	20	1·5	40	2·1	60	2·0	60	1·9	20	3·0	30	3·1
6	300	0·1	330	0·9	350	0·3	160	0·1	---	0·0	---	0·0	140	0·1	170	1·4	210	5·1	200	6·4	200	5·9	210	8·3
7	210	11·3	200	11·2	200	7·6	200	4·8	180	3·8	180	6·5	190	8·2	200	10·1	200	10·0	180	8·1	200	11·6	200	14·2
8	230	11·1	230	12·9	230	14·8	220	14·8	220	14·9	230	13·3	220	12·4	220	11·9	220	12·7	230	10·2	270	7·7	260	8·1
9	150	0·8	260	0·4	340	0·1	350	0·4	20	0·2	50	0·1	110	0·3	170	3·7	200	6·5	190	7·8	200	8·5	210	9·5
10	360	1·2	360	2·1	30	1·3	360	1·1	120	1·1	110	0·6	70	2·5	120	5·4	110	5·4	110	5·2	110	6·1	100	6·0
11	200	6·5	220	4·9	210	2·8	180	2·3	190	3·2	180	4·9	180	5·8	170	5·6	170	7·3	190	6·5	190	8·7	170	10·0
12	220	9·8	220	10·1	230	9·5	230	9·5	230	6·6	230	7·1	220	8·5	230	9·5	220	7·4	220	7·8	230	8·2	220	8·4
13	180	6·9	180	5·9	200	5·7	200	7·1	190	5·2	200	5·7	200	4·9	190	4·0	190	2·8	210	5·4	240	8·1	220	8·6
14	350	1·3	350	1·1	260	0·9	330	0·8	340	1·1	40	0·5	160	3·8	160	4·9	170	4·8	160	4·8	170	5·1	200	6·3
15	330	0·2	360	0·5	360	0·2	---	0·0	180	0·3	180	1·2	200	3·6	220	4·4	220	4·5	230	6·5	240	4·7	260	5·9
16	---	0·0	190	0·3	190	0·2	170	0·4	180	1·2	190	1·7	190	2·1	190	2·1	230	2·9	220	3·9	230	5·8	210	6·1
17	170	0·7	80	1·1	320	1·0	40	1·5	40	0·8	230	0·1	160	0·2	160	0·4	80	2·8	70	4·2	70	4·3	60	4·0
18	30	1·5	30	1·5	30	2·3	40	2·0	50	2·6	40	3·3	40	3·7	50	4·8	50	5·8	50	6·5	40	7·2	40	7·1
19	340	1·3	340	1·3	340	0·7	10	0·7	360	0·2	70	0·1	80	0·1	160	0·7	170	2·0	160	3·3	160	3·5	160	4·0
20	180	2·6	180	5·9	190	5·5	190	5·1	190	6·0	200	7·2	200	8·9	200	9·5	200	9·4	200	9·0	190	8·4	200	8·4
21	210	6·1	190	6·0	190	6·6	190	5·7	200	8·0	190	8·2	190	4·6	190	7·8	200	12·0	210	12·6	210	13·4	200	13·0
22	210	2·7	200	0·6	80	0·2	350	0·8	350	0·4	150	0·8	170	4·8	200	7·2	190	5·6	200	7·0	190	7·4	170	5·4
23	340	0·7	360	0·7	360	0·9	20	1·0	360	2·5	340	3·5	350	3·1	20	1·9	20	1·2	30	0·3	150	0·5	160	2·2
24	10	3·0	10	2·9	10	2·0	20	1·8	30	0·8	20	1·0	40	0·9	50	2·8	50	3·4	40	3·0	50	4·0	50	5·8
25	20	5·8	20	5·0	10	4·8	350	4·9	10	5·3	10	5·0	10	5·4	20	6·0	40	4·5	30	4·9	40	4·5	20	4·4
26	30	2·6	10	2·5	30	1·8	20	2·4	20	2·3	50	2·9	50	3·1	360	0·4	20	1·0	50	1·4	60	2·2	30	1·3
27	210	8·1	190	7·4	200	8·7	200	7·5	200	8·6	200	8·6	210	8·3	210	8·4	210	9·2	210	9·6	210	9·8	210	8·2
28	200	3·3	210	5·0	230	7·2	230	6·3	230	5·0	220	4·5	260	5·1	270	5·0	260	5·4	260	5·6	260	6·3	240	7·4
29	210	5·4	200	4·3	190	3·5	180	3·3	120	1·8	190	2·8	190	4·6	200	5·2	200	5·7	210	8·1	210	8·2	210	9·1
30	280	0·2	170	0·7	170	0·6	190	1·5	200	2·8	220	2·2	180	1·5	---	0·0	20	0·2	320	0·3	10	0·6	280	1·0
Mean	---	3·6	---	3·7	---	3·6	---	3·5	---	3·5	---	3·5	---	4·1	---	4·7	---	5·2	---	5·5	---	6·0	---	6·5
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

MAY, 1935

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	4·8	160	3·9	170	4·8	190	4·5	190	4·1	210	4·0	220	2·2	240	0·5	---	0·0	350	0·1	350	0·1	---	0·0	2·4	1
210	3·9	210	4·3	210	4·1	200	1·7	190	2·1	190	2·7	200	1·7	210	0·1	340	1·4	330	0·8	340	0·2	350	0·7	1·7	2
160	1·6	170	1·8	110	3·0	100	2·1	90	3·3	80	3·2	60	3·0	80	3·8	350	0·8	220	1·0	330	1·5	330	0·5	1·5	3
140	5·0	150	4·9	130	4·8	110	5·8	110	6·5	110	5·2	100	2·6	20	1·3	10	1·7	10	2·4	360	2·6	360	1·8	2·7	4
210	5·0	230	4·9	240	4·3	230	5·0	240	5·1	240	4·2	260	3·5	300	1·7	320	1·2	355	1·3	350	0·5	---	0·0	2·6	5
60	4·9	60	3·9	60	4·5	60	5·0	60	4·9	60	4·2	40	3·2	360	1·9	360	2·6	10	1·9	360	1·8	350	2·3	2·6	6
60	5·9	70	5·8	60	6·0	70	5·3	70	5·5	70	5·4	60	5·1	50	4·2	30	2·8	20	4·0	20	2·4	10	3·0	3·9	7
90	3·3	90	2·7	70	3·7	70	5·0	70	5·1	70	4·9	70	4·5	70	3·3	100	0·4	290	1·2	350	1·5	360	1·5	[illegible]·4	8
60	8·6	60	8·8	50	5·9	60	5·8	50	6·3	50	5·2	50	4·5	40	4·9	30	5·6	30	4·9	10	4·3	20	4·5	5·3	9
40	6·0	40	6·5	40	6·2	50	6·3	50	6·4	40	6·2	40	6·4	30	7·0	20	3·2	10	2·8	20	3·7	20	3·7	5·3	10
70	4·9	50	4·9	60	5·0	70	5·1	70	6·5	60	8·2	60	7·2	50	4·3	30	4·5	30	3·3	30	3·5	40	4·6	5·3	11
30	6·4	30	6·8	30	6·0	40	5·7	40	5·5	50	5·6	50	4·3	40	3·7	30	3·5	20	3·0	30	2·5	340	1·5	5·1	12
290	5·5	290	7·3	290	8·6	290	12·7	290	14·4	290	11·2	290	9·5	290	10·3	20	8·5	20	7·3	20	6·8	30	7·5	5·9	13
20	11·7	20	12·3	20	12·1	20	11·3	30	9·5	30	7·9	30	6·6	30	4·8	10	3·8	350	3·3	350	3·4	340	1·7	7·4	14
220	8·9	230	6·4	220	5·3	230	4·1	270	1·8	330	1·7	10	10·1	10	9·1	10	9·0	10	10·9	10	12·2	20	10·6	5·2	15
350	7·6	360	8·0	350	6·7	320	6·0	300	7·5	290	8·1	280	7·8	280	7·5	270	6·2	250	6·0	250	7·0	240	6·1	7·7	16
360	6·8	360	5·0	360	5·2	360	6·6	10	8·2	10	7·6	10	6·8	360	4·7	350	5·0	350	7·5	350	8·8	350	9·5	6·2	17
350	4·8	340	4·8	360	5·2	360	5·5	350	4·9	310	8·0	310	7·6	310	8·1	320	2·0	350	0·5	350	0·8	340	0·6	4·7	18
140	3·7	130	5·0	120	4·8	90	5·4	70	7·5	50	9·7	50	8·4	50	6·9	40	2·5	10	2·1	10	1·7	20	1·4	3·5	19
60	9·5	60	10·0	60	9·7	50	8·1	50	7·8	50	8·5	50	7·3	30	5·1	40	4·9	30	6·4	30	6·1	30	5·0	6·0	20
70	4·7	60	4·8	70	5·2	60	4·7	70	4·5	70	4·1	60	3·6	360	1·5	10	1·2	360	1·2	360	1·5	360	0·7	4·1	21
70	6·9	60	6·7	60	6·4	60	6·5	70	6·7	70	6·1	60	5·0	40	4·1	50	3·2	40	3·2	30	4·5	30	4·9	3·6	22
60	7·7	60	7·0	50	7·6	50	7·3	50	7·3	50	8·0	50	7·5	30	4·7	20	3·5	20	1·8	10	4·2	20	4·1	6·1	23
50	8·7	40	8·4	50	7·6	50	6·6	60	7·9	40	7·7	40	7·4	40	5·8	30	6·2	30	6·2	30	5·6	20	6·4	6·2	24
40	9·1	40	9·9	60	8·8	60	8·3	60	7·9	50	7·1	40	7·0	40	5·1	20	4·8	20	6·4	20	6·3	10	5·5	7·1	25
60	7·0	50	7·2	40	6·7	50	7·0	50	6·1	30	6·4	30	6·0	30	4·0	20	5·1	20	5·7	30	7·3	30	5·9	6·3	26
50	6·1	60	6·4	60	6·6	60	6·9	60	8·2	80	7·7	70	6·3	50	5·6	20	3·1	360	4·2	30	4·3	30	1·9	5·7	27
100	7·3	110	8·0	110	7·8	110	7·5	110	7·0	80	5·5	60	7·4	60	5·2	40	3·6	350	3·1	360	3·9	30	3·4	4·8	28
50	5·5	60	6·0	60	6·6	60	6·8	60	6·9	60	7·4	60	6·8	20	3·5	360	4·9	10	3·7	20	2·8	20	3·0	5·0	29
30	5·6	30	5·3	40	5·6	50	8·3	60	7·1	50	6·0	50	4·6	40	4·5	20	5·1	10	5·0	10	5·0	20	3·2	5·2	30
50	4·0	50	4·3	60	4·2	60	5·1	60	5·1	60	6·1	60	6·4	50	3·7	330	2·6	360	2·3	20	4·6	10	4·8	4·7	31
---	6·2	---	6·2	---	6·2	---	6·2	---	6·4	---	6·3	---	5·8	---	4·5	---	3·6	---	3·7	---	3·9	---	3·6	4·7	

JUNE, 1935

°	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	
70	3·8	80	4·9	60	5·9	60	6·6	60	7·2	60	7·1	50	5·4	40	3·6	340	3·5	330	3·8	340	5·0	360	4·8	4·5	1
70	4·6	100	4·2	110	5·1	100	4·9	90	4·7	70	3·2	40	2·9	50	4·5	30	2·4	30	2·1	10	1·8	360	1·8	4·5	2
190	7·5	210	7·8	210	6·0	200	4·8	230	3·9	200	3·0	50	5·8	40	3·9	10	1·5	350	1·2	360	2·5	10	3·4	3·2	3
60	4·8	80	5·0	50	4·7	60	5·0	50	5·5	50	5·2	50	5·0	60	3·5	40	2·7	40	2·1	50	1·8	50	2·6	3·9	4
50	3·2	40	3·4	20	3·7	130	2·3	10	0·4	350	0·8	50	2·4	30	1·1	350	0·4	340	0·2	360	0·2	340	0·2	1·8	5
210	10·4	210	10·0	220	9·2	200	6·7	160	5·5	150	6·1	150	5·6	160	6·9	190	9·5	200	12·2	200	11·4	210	11·5	5·6	6
200	13·7	200	13·2	200	12·5	200	12·5	200	12·2	200	11·1	210	9·4	210	5·8	210	6·3	220	8·5	240	9·9	240	12·8	9·8	7
270	7·2	270	7·4	270	7·3	270	9·0	270	7·0	270	6·7	270	6·5	270	5·3	260	5·0	260	4·5	190	1·5	160	0·9	8·9	8
200	10·8	200	10·3	200	9·6	210	10·1	210	9·2	210	8·2	210	6·2	210	5·0	180	1·6	310	0·6	340	1·4	330	1·6	4·7	9
90	6·6	90	9·0	80	7·0	80	5·4	60	3·3	60	3·9	50	3·2	50	3·5	20	2·0	360	1·6	10	0·8	40	0·5	3·5	10
190	8·6	180	6·1	160	6·0	170	7·5	190	11·2	200	12·1	200	11·3	210	11·8	210	11·8	210	11·8	220	11·7	220	10·2	7·9	11
210	9·5	210	9·9	210	10·5	210	10·1	210	10·4	200	9·0	200	7·3	190	7·0	200	8·2	190	7·2	190	6·5	180	6·6	8·5	12
220	11·2	220	10·6	220	8·7	210	9·9	210	10·0	200	9·8	200	8·8	200	6·0	200	3·8	220	1·8	200	2·3	60	0·8	6·4	13
190	7·0	210	7·0	210	5·1	200	7·3	190	8·2	190	8·0	190	7·8	200	6·8	220	5·9	210	3·0	210	1·3	330	1·0	4·3	14
260	3·7	200	4·0	210	4·6	220	5·3	210	7·1	210	7·4	220	6·3	200	4·2	190	2·2	290	0·5	350	0·6	40	0·1	3·3	15
220	6·7	210	5·2	210	6·0	220	4·5	230	3·7	220	4·4	180	2·6	330	0·7	170	0·6	270	0·3	110	0·2	160	0·5	2·6	16
70	4·2	70	3·9	140	3·0	130	3·1	160	3·2	150	3·2	160	2·8	180	2·5	120	1·7	80	0·7	10	1·0	30	1·0	2·1	17
40	6·9	50	6·5	50	6·7	50	6·2	50	6·1	50	4·9	60	4·6	50	2·5	30	1·4	350	2·5	360	1·9	350	1·9	4·2	18
170	4·7	160	5·1	170	5·0	220	4·8	210	3·1	160	1·0	160	2·7	150	3·1	170	4·0	160	3·7	160	3·5	170	3·1	2·6	19
200	9·7	210	7·3	200	6·7	200	6·5	190	7·1	200	7·9	210	7·4	200	5·8	210	5·7	210	5·1	210	4·3	220	5·1	6·9	20
210	11·6	200	9·4	200	8·8	200	10·0	200	9·6	200	8·5	210	8·0	210	8·5	200	7·0	200	6·5	200	5·1	210	3·8	8·3	21
170	6·1	160	6·6	180	7·0	200	5·6	220	4·8	210	5·8	210	3·9	220	3·1	220	2·2	170	1·6	250	0·2	350	0·8	3·8	22
190	2·9	240	4·4	240	3·4	230	0·9	280	1·2	310	3·3	20	3·1	30	2·5	20	3·3	360	3·5	10	3·5	50	3·8	2·3	23
60	6·2	60	6·0	60	5·7	60	3·8	60	3·7	60	5·4	60	5·1	50	4·6	50	3·6	10	2·8	20	4·5	20	4·3	3·6	24
20	3·6	30	5·4	50	6·3	30	5·0	40	4·8	50	5·0	50	6·2	40	4·8	30	3·2	20	2·8	20	2·1	20	1·8	4·6	25
130	2·8	220	6·5	220	3·4	220	4·6	220	4·9	210	5·8	210	5·5	200	3·5	180	1·9	190	5·1	200	7·4	210	8·4	3·5	26
220	6·5	230	6·5	250	5·3	280	5·8	270	5·5	260	5·5	260	5·2	240	4·6	230	4·5	210	3·8	200	4·8	210	3·7	6·8	27
230	7·8	250	6·5	250	5·5	220	6·4	200	9·2	200	7·8	200	7·0	210	5·6	210	3·5	180	1·8	190	4·0	210	4·1	5·6	28
210	9·0	210	9·3	210	9·2	210	8·2	210	7·5	210	6·7	210	5·4	210	4·0	190	1·0	160	1·2	40	0·2	10	0·1	5·2	29
220	0·7	130	0·5	80	0·5	130	0·8	110	1·7	140	2·7	160	2·7	170	2·2	220	1·0	330	0·7	340	0·3	360	0·3	1·1	30
---	6·7	---	6·7	---	6·3	---	6·0	---	6·1	---	6·0	---	5·5	---	4·6	---	3·7	---	3·4	---	3·4	---	3·4	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

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

243. 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	360	2·0	20	2·0	20	2·8	10	3·2	10	2·8	30	1·4	90	0·7	150	0·3	140	1·1	170	0·2	180	0·1	120	0·1
2	360	2·4	10	0·8	20	0·1	---	0·0	360	0·1	150	0·3	240	1·9	230	2·3	240	3·0	200	2·8	230	3·7	230	7·0
3	250	2·8	270	4·0	300	3·1	280	2·4	280	3·4	280	3·2	260	2·5	260	2·3	250	3·9	240	5·2	230	6·2	220	7·1
4	240	8·5	250	9·2	260	9·2	260	10·0	270	12·6	270	13·1	260	12·3	270	12·7	270	11·7	270	9·2	270	9·7	270	10·3
5	260	10·0	260	10·9	260	10·0	260	10·0	260	9·9	260	9·4	260	8·8	270	9·4	270	8·2	270	9·0	270	8·5	270	7·9
6	270	5·0	250	3·3	250	2·8	230	3·5	180	3·3	190	3·2	190	2·8	220	2·7	300	2·1	300	4·3	290	4·7	290	4·9
7	350	0·2	350	0·7	360	0·3	360	0·2	360	0·2	320	0·2	30	0·1	60	0·5	140	0·7	120	0·9	140	1·1	160	1·3
8	360	0·1	340	0·6	340	0·6	340	0·5	340	0·1	---	0·0	---	0·0	140	0·3	150	1·0	170	2·5	190	4·1	180	4·7
9	10	0·1	20	0·1	360	0·1	360	0·1	350	0·1	360	0·1	---	0·0	150	0·2	140	0·9	200	3·8	200	4·8	210	5·7
10	140	0·4	---	0·0	---	0·0	160	0·8	170	1·1	180	2·3	210	5·3	190	5·1	200	7·4	210	7·2	210	8·1	210	8·2
11	320	0·4	350	0·1	280	0·2	180	0·1	10	0·1	---	0·0	---	0·0	140	0·2	160	0·2	180	1·2	230	1·3	210	1·0
12	10	2·2	20	1·2	10	2·2	40	0·3	20	1·3	10	1·5	20	1·5	20	1·5	330	0·7	160	0·2	150	2·1	160	3·3
13	360	0·2	---	0·0	330	0·5	310	0·2	---	0·0	---	0·0	140	0·3	210	4·6	200	5·4	200	6·2	210	6·5	200	7·4
14	350	0·2	360	0·3	360	0·1	340	0·6	340	0·5	360	0·4	360	0·4	20	1·4	50	0·9	30	2·4	50	3·5	60	3·5
15	30	1·0	330	0·8	330	0·8	350	0·2	---	0·0	---	0·0	140	0·4	150	1·4	170	2·3	210	3·6	240	4·7	220	5·0
16	270	1·6	240	1·9	240	3·6	260	3·2	210	3·0	200	3·5	220	5·2	210	3·0	240	3·8	230	4·5	230	6·8	220	7·0
17	270	1·1	280	0·8	300	0·6	290	1·6	270	1·4	270	2·2	260	2·6	260	2·7	250	3·4	250	4·4	240	4·4	250	4·4
18	250	3·2	250	3·1	240	3·0	210	2·6	190	2·6	230	2·5	240	3·6	250	3·6	240	5·1	240	5·6	230	7·6	230	7·1
19	210	1·6	180	2·1	210	1·1	170	1·1	230	3·1	130	0·6	160	1·1	190	2·1	220	4·4	210	4·8	200	5·0	200	5·4
20	210	6·6	210	5·7	230	5·6	240	6·2	230	5·4	220	4·4	220	5·0	240	5·8	240	5·1	280	6·2	290	6·2	290	7·3
21	290	5·6	300	5·0	300	3·8	290	4·6	290	5·0	290	6·8	290	7·8	280	6·6	290	7·0	280	7·2	290	6·4	280	6·3
22	300	0·2	---	0·0	10	0·2	60	0·1	---	0·0	---	0·0	180	2·3	200	4·2	210	4·9	210	6·7	200	7·4	210	5·5
23	190	1·7	190	1·2	160	2·1	160	1·7	200	4·0	220	5·6	210	6·8	210	6·9	210	8·4	200	7·5	210	8·7	210	10·0
24	280	1·5	300	3·2	350	2·0	20	1·6	20	1·9	50	1·6	30	2·3	20	3·1	20	2·2	30	2·4	40	1·3	150	1·1
25	50	0·6	---	0·0	170	0·2	130	0·4	150	0·4	---	0·0	130	1·5	180	1·5	240	2·2	250	5·0	250	5·5	270	4·8
26	190	1·7	180	2·6	230	0·7	260	1·7	280	1·6	280	1·7	300	2·2	270	2·6	270	2·9	260	2·6	270	4·4	270	4·9
27	220	8·5	220	6·9	220	8·1	210	6·0	230	7·3	220	6·5	230	7·5	230	9·9	220	9·2	220	9·1	220	9·3	240	9·5
28	190	3·1	250	4·0	260	3·8	240	5·5	270	5·2	270	3·2	270	4·4	270	5·4	260	5·6	260	5·8	260	6·0	270	6·3
29	280	5·7	300	5·6	320	3·2	320	3·9	320	4·5	310	4·5	320	3·8	340	3·2	340	4·2	330	3·9	340	3·3	340	3·5
30	260	1·7	350	2·2	20	0·9	270	0·8	170	0·8	170	0·5	80	0·4	180	0·7	180	1·5	140	1·6	290	1·9	310	2·7
31	330	1·5	340	1·2	350	1·1	360	0·7	360	0·6	360	0·3	---	0·0	130	0·7	170	1·8	210	2·4	190	3·0	200	3·0
Mean	---	2·6	---	2·6	---	2·4	---	2·4	---	2·7	---	2·5	---	3·0	---	3·4	---	3·9	---	4·5	---	5·0	---	5·4

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	20	0·1	310	0·1	---	0·0	10	0·1	---	0·0	---	0·0	---	0·0	---	0·0	130	0·4	150	2·6	170	2·1	130	0·8
2	240	0·5	360	1·1	10	3·0	360	3·5	360	2·9	10	3·4	40	3·7	50	5·6	50	5·7	50	5·2	50	5·0	60	4·5
3	350	0·7	350	0·9	330	0·2	350	0·1	---	0·0	340	0·1	---	0·0	---	0·0	140	0·7	130	1·5	220	2·1	290	2·5
4	310	4·0	80	1·6	40	1·4	280	1·4	150	1·4	190	2·6	210	3·0	230	3·6	230	5·6	230	5·0	240	5·0	250	4·7
5	200	2·8	200	3·8	200	4·2	210	3·4	230	4·0	240	3·8	250	4·0	240	3·7	230	3·9	230	3·4	220	5·0	220	5·8
6	190	1·9	210	1·5	270	0·7	210	1·2	230	1·8	150	0·7	200	2·5	240	2·7	270	3·4	250	3·8	250	5·2	250	5·4
7	360	0·1	320	0·1	340	0·1	---	0·0	340	0·1	160	0·1	170	0·6	90	0·3	230	4·6	220	5·3	230	5·6	220	7·0
8	170	1·6	170	2·0	130	0·8	160	0·7	100	0·2	90	0·3	180	1·8	200	4·0	220	4·9	220	5·5	220	5·8	230	6·2
9	290	0·8	300	3·0	310	4·2	310	5·8	320	2·4	40	0·9	170	1·3	320	5·5	330	2·0	300	4·3	280	4·5	280	4·5
10	220	3·2	210	3·5	220	5·6	210	4·5	220	7·5	220	7·6	210	8·3	210	7·5	210	7·7	210	8·5	210	9·3	210	12·3
11	200	6·3	210	7·4	210	8·2	220	8·6	220	8·8	210	8·6	210	8·7	210	8·5	210	9·5	220	10·8	220	10·1	230	9·0
12	310	1·5	90	0·2	20	0·3	40	1·3	360	4·5	20	4·2	10	2·8	10	4·4	20	3·8	20	4·1	10	3·9	20	3·5
13	350	1·2	340	0·4	---	0·0	300	0·1	310	0·1	---	0·0	140	0·1	190	1·6	250	3·2	290	3·7	280	4·3	290	5·2
14	260	2·6	210	2·1	200	2·2	190	3·3	250	2·0	270	3·3	270	3·0	270	4·3	270	3·9	300	4·2	290	3·8	270	4·2
15	260	1·5	240	1·3	250	2·4	240	2·5	240	2·5	250	2·0	250	2·6	260	3·0	250	3·7	240	3·6	240	5·3	250	4·5
16	---	0·0	90	0·1	290	0·1	---	0·0	140	0·2	---	0·0	160	0·1	140	1·2	150	1·2	190	2·5	210	2·4	210	3·2
17	170	1·5	180	2·4	190	2·7	160	2·2	170	1·6	170	1·3	200	2·9	190	3·7	200	4·7	200	4·5	190	5·0	190	5·0
18	90	0·1	---	0·0	330	0·2	---	0·0	---	0·0	190	1·1	190	1·2	180	1·9	190	2·7	180	2·8	190	3·8	210	4·7
19	220	2·3	200	1·5	200	2·1	210	2·2	210	2·5	210	3·2	230	4·2	230	4·1	220	3·7	230	3·7	230	6·2	240	6·1
20	210	4·7	210	4·7	190	3·8	210	5·0	210	4·8	210	4·8	220	5·8	210	5·6	210	6·7	200	7·8	200	8·0	210	6·5
21	170	0·4	50	0·1	330	0·6	300	0·7	340	0·2	220	0·4	170	2·8	160	5·3	190	6·8	190	7·5	180	6·8	180	8·7
22	170	0·4	340	1·3	340	0·7	360	0·5	350	1·2	360	0·8	10	0·8	10	1·4	10	0·9	160	1·1	150	1·6	170	1·8
23	170	0·2	50	0·4	350	0·7	350	0·6	360	0·3	10	0·2	---	0·0	---	0·0	120	0·5	160	1·1	280	1·2	190	1·4
24	20	2·8	360	2·4	10	3·0	10	2·8	10	3·2	10	2·0	10	1·8	10	2·8	20	2·7	10	3·2	20	2·6	40	1·8
25	30	3·2	20	3·7	20	3·4	10	4·5	10	3·4	10	3·3	10	3·4	10	3·3	10	2·7	20	3·3	10	3·3	40	4·7
26	200	3·3	210	4·8	210	5·7	190	4·3	200	6·6	190	6·5	200	9·7	210	8·0	220	9·8	220	9·9	230	7·1	240	4·0
27	350	1·0	300	2·2	330	2·5	120	0·9	280	2·2	260	1·5	260	2·4	280	5·0	280	6·3	270	5·2	270	4·9	260	4·8
28	360	0·3	360	0·1	350	0·2	350	0·8	360	2·0	10	1·6	10	1·8	10	1·8	10	2·4	30	3·1	30	3·0	30	4·1
29	260	3·3	230	3·0	230	4·4	200	2·8	180	1·6	150	0·8	190	2·5	240	5·2	230	5·8	220	6·3	220	6·8	210	6·9
30	190	3·2	160	3·3	200	4·4	180	3·4	180	4·0	210	3·0	230	5·5	230	6·3	240	5·8	230	5·3	220	6·9	210	8·7
31	240	5·7	230	5·0	240	4·0	230	3·2	240	3·6	230	4·6	250	2·9	210	2·7	240	3·0	230	3·3	210	5·2	210	5·7
Mean	---	2·0	---	2·1	---	2·3	---	2·3	---	2·4	---	2·3	---	2·9	---	3·6	---	4·2	---	4·6	---	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) = 235 metres + 15 metres

JULY, 1935

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	0·2	60	0·1	140	3·0	160	3·3	280	1·2	360	0·5	10	0·8	350	0·3	10	0·4	350	1·8	360	2·4	10	1·5	1·3	1
230	8·2	230	8·6	230	8·9	240	8·1	230	8·2	240	6·3	230	7·1	250	3·4	270	3·8	270	2·9	270	4·5	260	2·8	4·1	2
210	7·5	200	9·2	230	10·2	220	9·9	210	8·3	200	8·6	200	8·5	200	8·3	210	9·0	220	8·5	220	8·2	240	8·7	6·3	3
270	11·0	270	8·8	250	8·5	260	6·4	250	6·7	260	8·3	270	8·1	270	8·6	260	8·0	250	7·9	250	8·1	260	8·6	9·5	4
270	10·0	270	9·9	270	9·7	270	9·9	270	10·3	290	9·4	290	6·4	300	5·9	300	11·0	290	7·0	300	3·5	270	3·5	8·7	5
290	5·1	290	4·8	300	4·0	290	4·5	290	5·0	290	5·9	290	5·8	280	4·4	340	2·9	320	1·4	140	0·8	160	0·3	3·6	6
140	1·4	180	1·8	210	1·2	200	1·8	170	2·2	160	1·9	190	0·7	270	0·1	40	1·0	300	0·7	330	1·5	360	0·2	0·9	7
190	4·4	210	5·0	210	4·5	210	4·5	220	3·8	220	3·1	230	2·9	240	2·8	360	0·4	340	0·3	340	0·3	350	0·2	1·9	8
210	6·0	200	6·5	220	5·5	210	6·0	210	7·6	220	7·5	220	5·8	200	2·5	170	0·3	160	0·5	---	0·0	---	0·0	2·7	9
200	7·0	190	6·8	200	5·8	200	5·0	300	4·4	310	4·3	310	2·9	310	2·2	340	0·5	30	0·3	30	0·1	320	0·1	3·6	10
160	1·2	170	1·3	220	1·5	200	1·6	190	1·0	190	1·8	180	1·3	90	2·0	40	1·7	10	3·1	360	3·2	10	1·8	1·1	11
160	3·5	170	3·3	160	3·5	150	3·0	170	3·3	210	4·1	200	2·9	170	3·2	170	1·6	150	0·7	---	0·0	340	0·8	2·0	12
220	8·3	210	7·2	210	7·0	210	6·5	200	6·6	200	5·1	210	2·8	210	2·8	240	1·7	320	0·9	340	0·9	---	0·0	3·4	13
60	4·6	60	5·0	50	4·8	40	4·6	40	4·5	20	4·1	20	3·7	30	3·3	40	2·6	30	2·0	50	1·3	30	1·0	2·3	14
210	5·9	210	6·7	210	6·8	270	6·0	270	5·1	270	4·3	270	2·6	290	2·9	290	2·6	290	3·1	290	2·3	290	2·3	2·9	15
210	5·6	230	6·6	220	6·4	210	6·4	210	5·9	210	6·0	210	6·0	200	5·9	210	6·9	250	3·8	260	2·2	280	1·5	4·6	16
290	4·8	290	5·9	290	6·8	290	7·0	290	7·1	280	5·5	280	4·4	280	3·1	270	2·7	270	3·3	270	4·3	240	3·6	3·7	17
230	7·1	240	5·6	230	5·0	240	4·3	280	4·7	290	5·0	290	4·8	280	3·2	280	2·6	270	2·7	260	1·8	280	1·9	4·1	18
200	8·1	190	6·6	180	5·9	170	4·8	140	4·0	140	5·3	140	6·0	150	6·0	170	5·3	200	5·9	200	6·1	200	6·1	4·3	19
290	9·6	290	10·0	290	9·7	290	10·6	290	9·8	300	11·0	300	10·6	290	11·4	290	10·0	300	7·5	300	5·6	300	6·9	7·6	20
290	6·4	290	6·5	270	6·0	280	6·0	290	5·9	290	6·0	290	3·2	280	1·6	290	2·3	200	1·5	280	0·5	170	0·5	4·9	21
200	5·9	200	5·7	210	5·9	210	7·0	200	6·8	210	6·8	200	5·3	200	3·6	190	3·0	150	1·7	170	1·7	190	2·8	3·7	22
210	9·0	210	9·7	220	8·7	220	8·4	240	5·4	220	6·3	220	5·0	220	4·2	240	2·8	210	0·8	170	1·4	150	0·7	5·3	23
160	1·4	250	1·6	310	2·9	310	3·1	320	2·7	300	3·6	290	3·5	290	2·4	330	2·2	330	1·9	140	0·4	330	0·8	2·1	24
250	5·5	270	5·0	270	4·9	270	7·2	270	6·0	270	2·7	260	2·6	270	3·3	260	2·1	270	3·0	270	2·2	250	3·2	2·9	25
250	5·2	250	5·0	230	7·1	230	7·1	230	7·3	220	6·9	230	6·8	220	6·1	210	6·3	220	6·8	220	5·8	220	6·2	4·4	26
240	9·9	250	10·0	260	9·2	260	8·0	270	6·8	280	7·7	270	6·6	280	5·5	270	6·3	270	8·1	270	6·9	260	6·0	7·9	27
270	6·6	260	6·2	270	6·9	250	4·8	280	3·8	290	4·5	280	5·1	290	5·2	300	7·7	50	3·2	170	2·7	250	3·2	4·9	28
340	4·4	340	4·8	340	4·6	340	4·9	330	4·9	310	4·8	320	4·0	310	4·6	320	4·5	310	4·0	350	4·0	70	1·0	4·2	29
310	2·6	310	2·4	290	2·7	300	2·3	290	3·3	300	3·2	300	2·1	320	2·2	10	2·4	360	2·8	360	2·3	310	0·8	1·9	30
190	2·9	200	3·2	190	3·5	210	3·8	220	3·2	230	2·8	270	2·3	310	0·7	330	1·2	330	0·8	340	1·2	350	0·5	1·8	31
---	5·8	---	5·8	---	5·8	---	5·7	---	5·3	---	5·3	---	4·5	---	3·9	---	3·7	---	3·2	---	2·8	---	2·5	3·9	

AUGUST, 1935

°	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	0·4	200	0·9	150	0·7	170	0·5	290	3·1	330	1·7	320	3·3	320	3·2	340	2·5	350	1·6	60	1·7	30	0·6	1·1	1
70	4·0	70	3·5	80	4·8	70	4·9	80	3·9	60	4·0	60	3·3	360	1·2	40	0·2	360	0·8	360	0·8	340	1·0	3·2	2
300	2·1	310	4·4	310	5·0	300	6·4	290	7·6	290	7·8	290	6·8	290	4·6	280	2·6	270	1·6	280	2·6	280	2·4	2·6	3
250	5·3	250	5·0	240	5·7	250	5·9	250	6·1	230	5·5	220	5·0	220	4·4	210	4·3	200	4·5	200	3·7	210	3·3	4·1	4
220	5·8	220	6·6	230	6·0	230	5·5	240	4·9	270	3·0	270	2·2	270	2·2	290	0·7	---	0·0	190	1·0	210	2·5	3·7	5
210	5·8	220	6·1	260	3·6	240	5·1	230	5·5	250	5·3	290	3·8	320	1·2	350	0·7	60	0·2	---	0·0	10	0·1	2·8	6
220	5·7	210	6·5	210	7·0	200	7·5	210	6·4	220	5·1	230	4·4	240	2·5	180	0·8	140	0·8	150	0·7	150	1·4	3·0	7
240	5·3	230	6·9	230	6·9	220	7·2	210	6·5	210	5·1	220	4·0	230	2·8	270	1·5	290	1·4	300	2·3	350	0·7	3·5	8
270	5·2	270	5·0	280	5·2	270	5·0	270	4·0	270	3·8	240	6·0	230	5·9	230	4·8	220	3·5	230	3·2	230	4·8	4·0	9
210	13·3	210	11·5	200	11·6	200	10·3	210	11·0	210	10·9	200	10·5	200	8·6	200	8·4	210	10·0	210	8·5	200	6·7	8·6	10
250	6·5	270	3·2	270	2·0	270	1·7	260	1·9	250	2·9	240	1·7	220	0·8	280	1·8	350	1·3	350	1·2	350	1·4	5·5	11
20	4·0	30	3·4	30	2·8	30	3·3	20	3·9	40	3·9	50	4·8	20	2·5	20	1·6	360	3·1	360	1·6	350	1·7	3·0	12
300	6·3	280	6·0	280	4·6	270	4·3	260	3·3	260	4·0	260	2·3	260	2·6	240	1·8	270	2·6	280	4·7	270	5·1	2·8	13
280	4·3	270	4·5	270	3·8	270	4·0	270	4·0	270	3·3	270	3·4	270	2·7	280	2·2	260	2·3	280	3·0	270	2·3	3·3	14
260	3·6	260	4·0	250	4·5	240	4·3	250	4·3	240	3·8	220	3·7	220	3·3	250	3·2	350	0·6	30	0·1	340	0·1	2·9	15
220	4·8	220	5·0	210	5·4	210	4·7	210	4·9	210	4·5	210	3·5	200	3·0	200	3·2	200	2·0	200	2·2	190	1·3	2·3	16
170	3·7	200	5·1	200	4·9	200	5·4	210	4·8	200	4·7	220	4·5	220	3·0	200	1·5	200	1·2	210	2·2	200	0·2	3·3	17
220	5·9	230	5·0	220	5·1	210	5·0	210	3·8	220	3·8	220	3·2	200	1·8	230	1·7	230	2·3	220	2·7	220	2·0	2·5	18
230	7·5	230	7·0	230	7·2	220	7·0	230	6·8	220	6·0	220	5·5	230	4·9	210	4·6	210	4·3	210	4·3	220	3·5	4·6	19
220	6·5	220	7·7	210	6·9	200	6·0	210	4·9	220	5·0	200	3·0	230	0·9	250	0·3	190	0·9	210	2·2	200	2·0	4·8	20
210	12·2	210	11·5	220	9·5	250	6·8	250	4·2	230	3·5	210	3·2	280	2·7	220	1·2	340	1·3	340	1·2	320	1·5	4·1	21
160	1·6	200	2·7	230	3·0	220	4·8	210	3·3	210	2·3	210	3·4	210	2·5	200	2·3	170	1·5	360	0·1	320	0·7	1·7	22
210	1·5	270	0·4	360	0·1	70	2·2	90	3·0	120	2·2	80	1·4	40	1·9	20	2·7	10	2·6	10	1·5	10	2·3	1·2	23
40	1·4	60	2·9	70	3·8	70	2·9	60	2·8	60	2·3	360	1·3	30	1·6	360	2·0	20	1·2	40	1·5	40	2·7	2·4	24
30	4·4	30	3·7	40	2·9	40	2·7	40	2·0	50	1·5	50	1·2	360	0·5	350	0·4	---	0·0	170	0·5	190	2·8	2·7	25
230	3·0	250	1·5	230	2·3	180	1·5	130	1·0	20	1·5	30	3·2	20	4·9	360	4·8	360	3·8	10	3·7	10	2·3	4·7	26
240	5·4	250	5·8	230	4·8	210	7·1	200	5·9	210	5·4	230	3·1	270	1·6	340	1·8	360	0·7	20	0·4	60	0·1	3·4	27
40	3·5	30	4·5	360	3·0	310	1·5	170	0·4	240	2·3	270	2·5	260	1·8	280	2·4	250	0·7	260	2·0	260	3·4	2·1	28
210	6·5	220	6·9	200	7·5	210	7·0	200	6·9	200	5·7	210	4·5	180	2·2	190	2·2	180	2·7	180	3·2	190	2·9	4·5	29
220	6·8	220	7·2	220	8·0	230	7·3	210	7·9	210	6·8	210	6·0	210	6·1	210	6·1	190	5·9	200	5·3	220	5·3	5·8	30
230	6·3	230	7·1	230	7·0	240	5·8	240	5·9	230	5·7	220	4·7	230	3·8	220	2·2	220	2·6	200	2·4	200	2·5	4·4	31
---	5·1	---	5·2	---	5·0	---	5·0	---	4·7	---	4·3	---	3·9	---	3·0	---	2·5	---	2·2	---	2·3	---	2·2	3·5	
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

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	210	3·0	210	3·6	220	3·9	200	2·5	200	2·2	140	0·3	170	0·7	170	0·8	180	2·2	180	3·2	170	4·3	180	5·4
2	150	2·2	150	2·9	190	3·8	170	1·2	170	4·0	190	5·7	180	4·8	170	3·6	150	5·1	170	7·7	200	10·6	210	11·3
3	190	2·3	190	1·5	180	2·2	180	2·2	200	2·6	190	2·6	210	3·9	230	6·5	230	6·7	240	5·9	230	6·5	230	8·9
4	170	1·2	130	0·1	180	0·5	140	0·2	20	0·3	---	0·0	160	0·3	180	0·9	250	3·9	240	4·9	250	5·3	250	4·9
5	210	1·3	200	0·5	230	0·9	220	2·3	180	0·7	250	0·4	10	0·2	170	0·8	220	1·0	290	0·6	310	3·2	280	2·4
6	20	0·8	350	0·5	340	0·6	---	0·0	360	0·1	30	0·1	---	0·0	110	0·1	250	0·3	340	2·3	350	2·2	310	1·7
7	240	0·3	330	0·8	---	0·0	---	0·0	350	0·4	40	0·5	60	0·1	170	0·1	20	0·8	60	2·7	70	1·8	100	1·4
8	350	1·1	350	1·0	350	2·5	330	1·2	350	1·1	350	2·7	360	0·7	360	1·4	100	2·0	130	3·0	150	3·8	150	3·9
9	360	4·0	360	3·4	360	3·5	360	4·2	360	4·2	340	4·2	10	3·8	10	3·0	10	2·9	60	4·0	60	4·3	80	3·8
10	20	0·6	10	1·1	360	2·8	360	1·3	360	0·4	280	0·1	---	0·0	200	1·7	220	1·0	250	0·1	190	2·1	190	3·5
11	170	0·4	170	0·6	180	0·4	180	1·7	190	2·4	180	0·8	180	0·6	180	1·6	180	2·9	190	4·3	190	3·5	200	3·5
12	350	2·7	350	2·8	360	2·3	360	2·3	360	1·8	350	1·7	360	2·4	360	2·0	350	1·2	140	1·1	150	5·2	150	4·5
13	190	8·8	210	11·2	220	9·4	240	6·6	230	3·5	190	3·1	190	5·1	220	7·6	220	8·4	230	10·7	230	10·7	230	10·0
14	210	12·4	210	13·1	210	13·2	200	12·9	190	12·9	200	12·8	230	9·8	220	7·0	220	10·4	210	14·4	210	14·1	220	14·3
15	220	7·8	200	5·6	200	5·3	210	6·9	200	9·2	190	9·0	170	6·7	160	5·7	160	6·6	160	7·0	180	8·8	200	11·8
16	220	8·8	220	9·0	220	8·1	210	8·4	220	9·7	230	9·6	230	7·7	220	6·3	230	7·0	230	7·4	230	10·4	230	10·1
17	150	2·2	190	0·5	90	1·2	10	1·7	350	2·6	340	2·5	290	3·2	290	5·2	290	11·2	290	12·1	290	10·9	290	9·6
18	250	9·8	240	8·6	240	8·7	250	8·9	240	7·9	240	7·3	250	8·7	250	8·0	250	9·0	240	8·5	240	8·8	250	9·2
19	170	7·0	180	8·4	190	11·7	210	13·9	220	15·1	230	15·0	240	11·0	220	10·8	220	12·4	230	11·6	220	12·0	220	14·9
20	240	9·3	250	9·7	240	9·8	230	9·2	230	9·3	230	8·0	220	6·8	230	7·2	240	8·5	250	10·0	250	10·0	260	9·8
21	230	3·4	40	1·0	190	0·8	90	0·7	350	0·8	360	0·2	350	0·1	330	0·2	190	0·1	190	0·1	100	0·1	160	1·5
22	40	4·3	40	4·9	30	5·7	20	5·8	30	6·1	20	5·5	20	5·8	20	6·5	20	6·8	20	6·2	10	5·0	360	5·1
23	300	4·8	290	5·0	290	5·7	290	8·4	290	8·9	290	8·5	290	7·7	290	8·2	290	8·5	290	8·6	290	10·2	290	9·6
24	320	0·4	350	0·8	250	0·3	350	0·4	340	0·3	330	0·4	10	0·3	10	0·4	360	0·7	70	2·2	80	3·2	80	4·2
25	350	3·3	360	4·0	350	3·8	350	3·5	350	1·8	300	1·7	310	1·0	20	1·0	350	2·8	340	5·1	340	5·0	340	4·5
26	310	1·1	350	0·8	350	0·1	360	0·1	360	0·3	340	0·1	---	0·0	30	0·1	---	0·0	170	0·2	180	0·5	170	1·2
27	200	6·4	210	4·4	220	2·4	210	1·9	230	1·7	200	1·1	210	1·2	220	2·9	220	4·7	220	3·2	220	6·2	220	6·1
28	190	2·9	170	2·8	170	1·5	180	0·7	160	0·3	10	0·1	100	0·1	120	0·7	120	1·1	160	2·9	180	6·2	200	12·3
29	230	3·4	240	3·1	250	3·2	250	2·7	170	1·2	180	1·2	160	0·7	160	0·6	220	4·5	230	6·3	220	6·6	210	7·3
30	190	5·8	250	2·5	250	3·2	220	2·5	190	2·2	190	3·1	210	3·2	220	4·5	260	5·0	260	3·8	260	4·4	250	5·6
Mean	---	4·1	---	3·8	---	3·9	---	3·8	---	3·8	---	3·6	---	3·2	---	3·5	---	4·6	---	5·3	---	6·2	---	6·7

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	180	2·2	210	3·7	180	2·9	170	1·3	190	4·6	300	2·0	130	3·7	90	4·4	50	5·1	40	6·3	30	6·4	10	6·2
2	90	0·2	10	0·3	50	0·1	10	0·1	140	0·1	30	0·1	---	0·0	---	0·0	130	0·1	190	0·6	170	3·7	160	5·0
3	100	5·3	70	4·9	60	3·9	50	3·6	50	3·3	10	1·4	20	0·7	140	0·3	160	0·7	190	2·3	150	1·5	160	0·2
4	350	0·8	350	0·5	340	0·6	340	1·2	350	1·8	360	1·3	30	1·2	230	0·5	280	0·8	20	2·1	60	4·0	10	3·0
5	20	4·5	20	2·7	10	2·0	10	2·8	10	3·3	10	3·7	10	3·2	10	4·0	360	4·2	10	6·2	20	8·2	20	6·4
6	310	3·4	290	3·1	290	3·7	290	3·2	300	5·7	60	1·6	140	0·8	350	1·9	150	1·2	350	2·8	360	3·5	360	4·0
7	360	1·3	10	0·1	340	0·2	190	0·2	340	0·1	---	0·0	180	0·2	150	0·2	150	0·1	180	2·2	190	3·7	200	5·9
8	210	10·1	200	11·5	180	11·3	190	13·6	190	12·8	200	6·7	190	5·7	220	5·3	250	4·9	250	4·5	250	3·8	230	3·7
9	220	5·6	230	6·3	230	6·7	210	4·8	230	6·7	230	5·5	230	6·0	230	5·1	220	4·5	190	3·8	210	7·3	220	9·9
10	260	1·4	270	1·5	280	2·8	280	3·6	280	3·7	270	1·9	260	4·8	250	7·9	260	7·3	250	4·7	260	6·8	250	8·0
11	240	7·2	250	5·8	230	7·3	240	6·8	240	7·0	250	7·3	250	7·2	240	8·0	240	9·5	250	6·7	250	8·4	260	7·1
12	180	2·0	180	1·9	190	1·6	250	2·1	200	0·4	160	0·8	210	0·2	210	0·5	210	3·3	240	6·0	230	7·7	220	8·2
13	240	10·6	250	9·9	230	7·1	230	7·4	240	7·9	240	8·8	220	5·4	230	5·1	220	7·4	210	9·7	210	9·9	210	9·3
14	240	12·1	250	12·5	240	11·0	240	10·1	240	7·8	230	6·3	220	6·2	220	6·3	200	5·4	190	5·1	220	7·3	220	7·0
15	230	6·8	210	4·9	230	4·8	220	5·0	220	6·6	220	5·7	210	4·1	200	3·2	200	7·5	180	5·2	210	8·9	220	10·2
16	230	11·1	230	10·6	230	9·4	240	7·8	270	3·9	260	3·5	250	2·5	240	4·1	270	5·5	280	5·0	270	4·9	260	4·8
17	190	2·1	220	4·5	230	5·8	230	9·7	230	15·5	220	12·1	220	11·0	210	11·3	210	12·2	220	12·5	220	12·3	220	12·7
18	280	10·0	290	11·2	300	11·0	290	8·5	220	1·3	200	0·4	200	0·5	270	1·8	230	2·3	220	4·6	210	6·2	220	9·0
19	240	17·2	230	16·6	240	18·2	240	18·9	250	17·2	250	18·4	260	17·5	270	18·1	270	18·0	270	17·9	270	17·0	270	16·2
20	340	11·5	350	12·5	350	11·0	350	10·6	350	11·2	350	8·7	350	4·4	340	6·1	340	7·5	340	7·6	350	7·9	350	7·5
21	310	2·5	130	0·7	100	0·9	80	1·2	170	0·8	90	0·6	180	2·2	190	4·0	220	3·8	230	3·8	210	2·6	220	4·1
22	10	3·7	360	2·8	40	1·9	150	0·4	90	0·2	10	0·2	350	0·2	350	0·5	360	0·2	350	0·1	120	0·1	100	1·4
23	190	2·2	200	2·1	210	0·6	230	0·2	210	0·3	200	0·9	190	1·2	200	1·7	180	2·3	160	3·8	170	5·1	170	4·7
24	170	5·0	170	4·1	180	1·7	180	1·8	180	1·6	180	1·3	170	0·8	180	2·2	190	2·2	190	1·2	190	1·3	190	1·0
25	180	0·3	190	0·4	190	1·8	200	1·3	230	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	160	0·3	160	1·3
26	240	1·9	180	1·5	180	1·8	190	2·1	190	2·4	190	2·6	210	5·4	210	5·0	200	3·6	200	4·9	200	5·8	220	6·6
27	280	5·0	270	3·9	260	4·2	260	4·8	250	4·2	230	4·7	220	5·7	210	7·2	210	5·3	250	7·6	270	11·9	270	11·4
28	290	14·1	290	11·7	290	9·0	300	5·7	320	3·4	350	2·2	300	4·1	290	3·5	230	1·2	250	2·2	270	2·9	260	1·8
29	250	5·0	270	8·2	270	8·6	260	6·5	260	8·5	250	7·8	270	6·8	260	6·9	240	6·3	240	5·7	270	7·4	260	8·0
30	260	7·8	250	6·7	240	6·4	220	7·7	230	9·2	220	9·4	190	7·3	200	7·1	210	9·9	210	13·6	210	14·2	220	16·0
31	240	7·7	230	7·1	230	10·4	230	10·0	240	7·4	240	6·6	230	6·7	220	8·2	230	10·2	220	11·0	220	9·4	220	9·8
Mean	---	5·8	---	5·6	---	5·4	---	5·3	---	5·1	---	4·3	---	4·1	---	4·5	---	4·9	---	5·5	---	6·5	---	6·8
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) = 235 metres + 15 metres

SEPTEMBER, 1935

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	5·5	210	4·2	180	2·6	150	2·7	120	2·1	70	1·9	30	2·0	150	1·7	90	1·3	140	4·0	130	5·3	140	4·1	2·9	1
230	10·0	240	9·0	240	7·9	250	10·5	250	10·2	250	7·1	230	5·8	240	6·1	240	6·6	220	4·7	230	3·5	220	1·8	6·1	2
230	8·0	230	8·1	230	8·0	230	7·8	230	7·6	240	6·8	230	5·5	240	4·2	240	3·3	210	3·1	240	1·9	210	1·3	4·9	3
260	5·0	260	5·2	260	5·1	270	6·5	270	5·2	270	4·1	260	3·3	260	3·1	250	2·1	260	1·3	250	2·5	180	0·4	2·8	4
240	2·7	280	3·2	300	4·2	310	5·0	340	3·0	350	1·0	310	2·0	350	3·2	360	2·5	20	0·5	20	1·5	20	0·6	1·8	5
280	1·8	290	2·5	290	3·0	290	3·9	280	2·5	280	2·8	280	2·1	310	1·2	350	0·6	50	0·5	110	0·5	180	0·4	1·3	6
50	2·5	70	3·1	50	3·4	70	4·2	70	5·0	70	4·3	60	2·7	350	1·8	340	2·4	350	1·9	360	1·8	360	1·2	1·8	7
140	3·1	160	3·0	160	1·9	150	2·1	180	1·6	150	1·3	320	0·7	10	1·6	360	3·3	360	3·8	360	3·4	360	3·3	2·2	8
100	3·2	100	3·0	100	2·5	90	3·6	90	2·4	90	1·6	340	0·4	10	0·7	360	3·0	360	2·6	10	1·2	10	1·7	3·0	9
180	3·2	190	4·2	200	3·6	200	4·8	200	5·1	190	3·8	210	3·6	200	1·5	190	0·4	---	0·0	---	0·0	170	0·1	1·9	10
220	3·7	200	2·5	150	0·5	190	0·8	170	0·2	340	0·2	10	0·6	20	1·1	340	1·7	340	1·2	350	1·5	360	1·6	1·6	11
160	2·6	160	2·5	180	2·5	200	2·8	190	2·9	160	1·2	180	3·6	190	5·8	190	5·0	200	4·7	190	5·2	180	7·6	3·2	12
220	10·8	210	12·0	210	11·4	210	11·9	210	11·8	210	10·9	200	11·2	220	11·0	210	10·9	210	12·3	200	10·0	200	11·1	9·6	13
230	12·6	230	15·0	230	14·5	220	13·6	230	13·3	230	12·3	230	10·5	230	10·7	230	12·7	230	11·3	230	11·1	200	5·3	12·1	14
200	13·8	210	11·7	200	12·0	210	9·7	220	7·2	220	6·2	220	4·9	190	3·0	200	3·8	230	5·8	220	6·4	230	7·0	7·6	15
230	10·2	230	9·4	210	10·0	210	9·4	200	7·7	180	5·2	170	3·5	150	2·7	110	5·0	90	6·0	110	10·0	140	6·2	7·8	16
280	9·3	270	10·8	270	11·0	270	11·5	270	10·1	260	10·0	260	10·0	260	10·1	250	10·7	250	9·2	250	9·0	250	8·0	7·6	17
250	9·0	260	8·2	250	8·9	240	8·7	220	4·8	210	5·5	220	8·1	210	5·4	200	6·7	200	7·9	190	8·0	170	6·3	8·0	18
240	14·8	250	14·3	250	13·0	250	11·2	250	10·7	250	10·0	240	10·9	240	6·9	240	10·0	250	7·2	240	7·7	250	7·2	11·2	19
250	8·9	260	10·0	250	12·3	260	10·2	270	9·5	260	7·6	260	6·2	260	4·8	210	2·7	180	1·9	180	1·5	230	2·1	7·7	20
190	2·3	180	2·1	160	2·7	160	3·5	170	1·7	150	0·8	80	0·9	110	1·8	70	2·3	60	2·8	40	3·3	30	3·5	1·5	21
360	5·9	350	5·0	350	5·2	340	5·1	320	3·6	280	1·8	290	5·8	290	5·8	300	6·5	300	6·3	310	4·2	310	5·3	5·3	22
280	8·5	270	7·2	270	8·4	290	8·1	280	6·0	270	3·6	260	3·5	260	1·8	220	2·0	200	2·5	240	2·8	---	0·0	6·2	23
70	4·6	80	6·5	80	6·6	70	6·8	40	6·4	40	7·3	30	7·5	30	6·9	20	6·6	20	5·5	10	2·8	360	2·7	3·5	24
320	3·8	300	4·9	320	3·3	330	2·6	320	2·5	350	1·9	360	0·7	300	0·3	340	0·2	340	0·6	340	1·2	350	0·1	2·5	25
180	2·3	170	3·8	170	4·8	170	5·0	180	4·9	180	4·9	180	4·8	190	4·5	180	3·5	190	6·0	180	5·7	190	5·9	2·5	26
220	8·1	210	7·6	210	8·2	210	6·7	220	6·6	200	3·9	210	5·1	200	2·8	200	2·5	200	4·2	200	4·0	190	3·2	4·4	27
210	10·8	200	7·9	290	7·7	290	5·5	280	4·4	270	3·5	260	4·3	270	3·5	220	1·8	190	2·1	230	2·1	210	1·5	3·6	28
210	8·2	200	8·3	200	8·9	210	9·3	200	8·2	200	7·4	200	8·2	210	8·3	200	6·8	200	10·1	180	8·5	170	6·8	5·8	29
240	7·4	240	6·7	230	7·7	260	5·0	240	4·1	230	3·9	210	1·9	180	0·1	230	3·0	200	3·2	190	2·6	190	2·9	3·9	30
---	6·8	---	6·7	---	6·7	---	6·6	---	5·7	---	4·3	---	4·7	---	4·1	---	4·3	---	4·4	---	4·3	---	3·6	4·8	

OCTOBER, 1935

°	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	6·8	10	6·5	10	5·9	10	5·8	360	4·0	350	3·4	350	3·4	340	1·2	10	0·3	---	0·0	350	0·4	10	0·4	3·6	1
160	5·4	160	6·3	150	5·8	150	7·1	140	6·4	140	5·2	140	6·0	130	6·2	110	6·3	110	6·8	120	7·5	110	7·2	3·6	2
180	1·1	200	2·3	200	2·5	230	2·7	250	1·8	240	2·2	140	0·4	90	0·1	20	0·2	10	0·1	350	0·4	10	0·2	1·8	3
30	4·2	40	5·0	60	5·7	60	4·2	40	2·8	30	4·9	20	4·7	20	4·1	20	3·7	20	5·1	20	5·1	20	5·0	3·0	4
10	6·6	10	7·2	360	7·0	10	6·0	10	3·9	360	2·2	340	2·7	350	2·0	80	0·5	360	0·8	340	2·5	330	3·4	4·0	5
360	5·1	10	5·2	10	5·1	10	4·3	10	3·5	20	2·5	360	3·2	20	2·0	50	1·2	360	1·9	350	1·7	350	1·5	3·0	6
210	5·8	220	7·2	220	8·1	230	8·9	220	7·6	210	6·8	200	4·7	200	5·7	200	5·8	200	8·0	210	9·1	210	10·0	4·2	7
230	6·7	230	7·3	230	6·2	240	6·0	240	6·6	240	5·2	230	4·3	220	4·1	230	6·2	230	5·3	230	4·6	230	4·5	6·7	8
220	9·3	220	7·6	210	6·9	200	8·5	210	6·7	200	4·2	200	3·1	200	2·9	200	3·0	190	3·3	180	1·7	210	1·8	5·5	9
250	7·5	230	10·0	240	11·2	220	9·8	250	10·4	280	11·1	270	5·6	240	6·9	230	7·2	240	7·3	230	5·9	230	7·2	6·4	10
260	6·8	250	8·0	250	7·0	260	5·4	250	6·7	250	5·7	250	3·6	250	2·0	210	2·4	220	3·2	240	3·0	210	2·0	6·0	11
220	9·0	230	9·2	240	9·5	230	8·7	230	7·8	230	6·3	230	6·8	240	7·5	250	8·8	240	8·8	240	7·2	250	8·6	5·5	12
210	10·1	200	10·9	200	10·3	200	12·2	200	13·3	200	12·9	200	15·1	200	15·8	200	15·0	210	13·0	230	14·9	240	14·0	10·7	13
220	8·1	220	8·3	220	10·1	230	8·0	230	7·2	220	5·8	210	5·6	210	5·3	210	3·4	220	5·8	230	7·1	220	6·9	7·4	14
220	10·1	220	10·6	220	11·8	220	11·3	220	12·0	230	13·3	220	12·7	230	10·5	230	10·3	230	9·8	220	10·2	230	9·9	8·6	15
260	4·8	260	4·8	260	4·6	260	5·2	250	5·0	250	6·0	240	6·2	240	4·9	230	4·2	240	6·0	250	6·2	200	2·6	5·6	16
250	10·6	270	5·6	250	6·4	250	7·9	260	8·6	270	8·7	270	9·0	260	6·6	270	8·8	270	7·4	270	9·5	260	9·0	9·2	17
220	10·8	200	11·4	200	10·8	210	15·0	210	15·2	200	15·0	210	17·9	210	17·8	210	19·1	260	15·3	240	11·0	240	13·7	10·0	18
270	15·8	270	16·2	270	12·8	280	13·8	290	15·0	300	14·6	310	14·1	310	12·6	310	8·5	340	10·9	330	10·0	330	10·7	15·3	19
340	7·4	340	8·6	350	8·9	350	8·3	340	6·2	350	3·8	180	0·6	310	1·3	300	3·5	290	2·5	160	0·4	310	2·1	6·7	20
210	6·5	240	7·4	240	3·4	360	2·8	20	6·8	20	6·0	20	6·4	20	5·1	20	5·7	10	4·9	360	4·4	360	4·0	3·8	21
180	2·8	180	4·4	160	3·1	170	2·2	160	1·5	170	0·8	180	0·2	190	0·5	190	0·7	200	0·2	180	1·6	170	2·1	1·3	22
160	5·2	170	5·2	170	5·0	160	3·4	160	3·0	170	3·4	170	4·1	160	5·0	170	5·1	160	6·2	160	5·5	170	5·0	3·4	23
170	1·5	170	1·4	190	0·8	170	1·2	170	1·2	170	1·5	170	1·0	180	1·3	170	1·8	170	2·0	180	2·0	190	2·2	1·8	24
170	1·3	180	1·4	210	1·9	230	1·7	210	0·6	210	0·2	170	0·2	160	0·2	---	0·0	180	0·1	180	0·2	240	1·0	0·6	25
230	7·4	230	9·4	250	9·2	260	10·0	260	10·1	260	9·6	260	8·3	270	7·2	270	7·2	270	6·1	270	7·6	280	6·3	5·9	26
270	12·1	270	11·7	270	11·6	270	11·9	270	12·4	270	11·2	270	12·2	270	11·9	270	11·7	280	11·6	290	11·2	290	12·3	9·1	27
260	2·2	270	2·9	220	3·1	210	3·4	190	2·2	210	2·2	180	1·3	210	4·6	230	4·5	250	4·5	260	4·2	250	4·5	4·2	28
280	11·5	270	9·5	280	10·9	280	7·2	280	8·9	270	8·4	260	7·2	250	6·6	260	7·2	260	6·8	250	9·2	260	6·8	7·7	29
240	12·1	240	10·2	240	10·7	240	10·4	240	8·3	220	7·7	250	9·8	250	7·5	230	9·2	240	10·0	240	7·7	230	8·8	9·5	30
220	9·9	230	9·8	230	7·4	230	7·6	210	4·1	200	1·8	220	2·8	230	7·5	230	6·3	230	7·4	230	8·2	230	8·2	7·7	31
---	7·2	---	7·5	---	7·2	---	7·1	---	6·8	---	6·2	---	5·9	---	5·7	---	5·7	---	5·8	---	5·8	---	5·9	5·9	
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

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second

247. 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	230	8·5	230	5·8	220	4·7	190	2·0	170	1·4	170	2·4	180	1·4	180	2·2	180	2·7	170	3·4	180	3·8	170	4·9
2	160	0·7	180	2·0	170	4·0	170	5·5	170	5·4	170	5·2	160	6·2	170	4·3	160	4·2	170	5·3	160	6·0	160	6·0
3	200	3·8	290	1·0	350	0·8	320	0·7	340	1·2	10	1·5	20	1·0	20	2·2	130	5·4	130	5·0	130	7·9	120	9·5
4	140	4·9	170	4·2	180	4·8	160	4·0	150	3·2	140	1·8	120	1·4	130	1·0	260	0·5	110	0·3	130	2·2	140	2·0
5	350	1·3	350	0·7	350	0·8	350	1·0	350	0·9	340	1·6	350	2·1	360	1·9	360	1·1	10	0·6	350	1·5	100	0·5
6	240	0·2	170	0·5	250	0·7	150	0·1	220	0·2	170	0·7	10	0·1	320	0·2	220	0·3	40	0·4	300	0·2	260	0·8
7	200	1·2	230	0·2	290	0·1	180	0·1	90	0·1	10	0·1	350	0·1	10	0·3	10	0·7	10	0·5	10	0·3	80	2·0
8	10	3·3	10	2·3	10	2·7	10	2·9	10	3·1	360	2·5	360	2·5	10	2·3	360	2·3	360	2·1	360	3·0	350	4·4
9	110	0·4	130	1·2	60	1·4	90	2·4	90	3·8	80	5·0	90	4·0	100	3·8	110	6·0	120	5·5	110	5·0	120	6·4
10	350	0·8	350	1·8	360	2·5	10	2·9	50	2·6	70	1·7	350	1·2	360	0·3	10	1·3	360	2·1	350	0·6	350	1·3
11	360	0·3	230	0·2	160	0·2	170	1·3	190	0·9	170	0·5	---	0·0	180	1·3	190	3·2	220	5·6	220	5·3	220	5·2
12	140	7·0	140	9·4	140	10·1	150	9·2	170	8·2	180	13·0	190	11·2	210	10·8	220	11·4	220	9·9	220	9·7	230	9·2
13	160	0·1	160	0·2	180	1·3	180	2·4	180	1·5	200	0·7	180	1·0	160	0·4	170	0·7	70	0·3	350	1·4	340	1·5
14	190	2·2	190	1·8	200	3·3	210	3·0	190	3·5	170	6·1	170	6·3	160	6·4	170	8·2	180	3·5	210	5·4	230	6·3
15	340	0·4	350	0·5	340	0·1	10	0·1	170	0·7	160	2·3	130	2·3	90	3·0	260	0·1	170	0·3	180	3·0	190	6·8
16	170	3·5	190	4·2	190	2·6	200	0·4	170	1·9	160	4·9	170	5·0	170	5·1	170	4·8	170	4·5	170	5·0	170	5·0
17	10	1·8	10	1·9	360	4·5	360	4·8	350	4·2	360	3·2	350	3·0	10	3·8	10	4·2	10	6·0	20	6·5	20	5·9
18	20	4·4	30	4·8	20	4·8	20	5·3	20	5·7	10	5·5	10	5·8	10	5·9	10	6·2	360	6·3	360	6·7	360	7·0
19	350	0·4	320	0·7	350	0·8	20	0·4	10	0·1	70	0·1	350	1·3	30	1·5	360	2·8	10	2·5	30	1·3	10	1·7
20	110	8·0	120	7·5	120	7·6	120	7·8	120	8·2	110	7·4	110	5·2	100	4·7	100	5·2	80	6·4	80	7·3	80	7·9
21	70	6·7	70	7·3	50	6·6	60	7·2	70	6·9	50	5·6	50	5·8	50	6·4	60	6·4	50	6·5	50	5·9	50	5·8
22	50	3·2	60	2·9	50	2·5	50	2·9	50	2·7	50	3·5	50	3·0	50	2·3	50	3·5	50	5·0	60	5·2	70	3·7
23	40	1·3	10	1·0	10	0·5	20	0·9	360	0·7	330	1·9	350	1·6	340	1·8	20	0·3	40	0·5	30	3·7	40	3·3
24	10	0·2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	60	0·1	110	0·2	140	0·4	190	0·3	170	0·7	150	1·5
25	270	0·1	30	0·1	70	0·2	80	0·6	160	1·5	150	1·4	220	3·5	230	3·6	230	5·0	230	6·1	230	5·6	230	5·7
26	220	14·7	230	15·0	220	15·2	220	15·0	220	13·6	230	13·8	250	10·0	260	7·2	250	8·5	240	8·1	240	9·9	240	12·3
27	260	8·0	260	7·5	250	7·5	260	6·1	250	5·8	260	5·5	200	2·7	170	3·1	190	3·6	220	5·9	230	7·8	240	7·1
28	200	10·4	210	11·2	220	11·3	220	10·4	220	7·5	230	6·8	220	8·7	220	8·9	230	9·8	250	8·1	260	7·7	270	9·9
29	220	3·7	210	3·2	240	5·3	230	6·2	230	6·5	230	7·2	240	11·2	230	11·1	230	12·3	230	11·3	240	10·5	250	9·2
30	220	11·3	230	10·8	220	8·8	220	10·0	220	9·6	230	9·0	230	9·1	220	8·9	210	9·6	220	8·9	220	9·3	220	10·5
Mean	---	3·8	---	3·7	---	3·9	---	3·9	---	3·7	---	4·0	---	3·9	---	3·8	---	4·4	---	4·4	---	4·9	---	5·4

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	260	7·6	260	7·4	270	6·2	280	6·3	270	8·1	270	9·9	270	8·4	260	9·0	250	9·7	250	8·3	250	6·9	240	7·5
2	290	6·3	280	6·6	280	7·4	290	8·9	290	8·1	280	8·1	290	9·4	290	9·9	290	9·5	290	8·8	290	9·6	290	10·1
3	280	10·9	290	12·6	290	12·1	280	7·1	270	8·2	270	5·6	280	5·4	280	6·6	280	7·2	280	7·7	280	6·9	280	7·3
4	300	7·0	300	7·4	300	8·2	310	7·5	300	7·4	300	7·6	300	7·5	310	8·0	290	5·9	290	2·7	280	1·3	270	1·7
5	340	0·1	320	2·1	360	1·4	350	0·6	330	0·2	---	0·0	---	0·0	310	0·1	---	0·0	---	0·0	330	0·2	230	0·7
6	210	4·2	220	3·2	240	2·1	240	3·7	260	4·3	250	1·5	130	0·9	180	0·8	330	0·8	320	0·3	320	0·7	310	1·4
7	270	0·1	350	0·2	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	150	0·2	150	1·0	160	1·8	150	1·4
8	250	3·2	230	2·6	240	2·0	240	2·9	160	2·3	200	3·9	180	1·8	180	2·1	170	2·4	200	3·3	220	4·2	220	3·1
9	20	3·5	10	4·5	10	5·4	10	3·2	70	0·9	10	2·4	350	5·0	360	3·2	350	2·6	10	4·0	10	5·5	10	7·0
10	10	3·8	30	4·3	20	2·3	10	3·7	30	3·9	50	2·2	70	1·9	60	1·2	50	1·4	20	1·9	20	2·1	50	2·5
11	50	1·5	20	4·0	20	3·2	10	2·2	360	1·4	10	4·0	40	5·1	10	3·2	30	5·5	20	5·0	40	8·5	30	6·3
12	70	2·9	40	1·8	50	2·4	60	2·6	50	2·7	60	2·8	60	2·5	60	3·3	60	2·7	60	3·2	70	3·0	70	2·2
13	60	1·8	60	1·8	60	1·5	60	2·0	70	1·9	50	2·2	30	2·0	40	2·3	40	1·4	30	1·2	40	1·3	50	1·6
14	180	1·0	180	1·2	180	2·0	190	2·6	210	2·6	200	3·3	180	5·1	180	5·9	180	6·7	180	7·5	180	6·9	180	6·5
15	180	2·3	180	2·6	180	2·2	140	0·7	200	1·7	180	1·4	190	4·1	220	7·5	230	9·6	290	10·0	280	6·8	260	4·2
16	320	6·4	350	6·6	*(330)	(6·0)	(300)	(5·0)	(340)	(5·0)	(360)	(3·0)	(360)	(3·0)	(360)	(2·0)	(360)	*(4·0)	360	5·0	360	3·2	360	3·9
17	···	···	360	3·5	360	5·7	10	4·8	10	5·0	20	6·3	20	7·0	10	3·5	350	2·8	360	3·9	10	3·9	360	5·2
18	350	6·0	10	3·7	40	1·2	360	1·6	100	1·0	170	0·8	150	0·2	100	0·2	330	0·2	310	0·8	210	0·3	160	1·1
19	340	1·6	360	3·0	20	1·9	10	1·6	20	1·4	360	2·9	350	2·9	360	2·0	350	0·9	10	1·5	40	0·9	40	0·2
20	160	0·2	30	0·3	140	0·4	160	0·6	230	1·6	150	2·8	150	2·4	160	2·3	160	0·9	280	1·2	360	1·1	350	2·3
21	350	1·1	140	1·4	150	1·6	170	0·6	170	0·4	190	0·3	180	0·2	110	0·2	130	0·1	---	0·0	---	0·0	140	0·1
22	270	2·1	250	3·5	270	3·7	300	5·0	290	5·0	260	3·4	290	1·5	310	4·3	310	6·0	350	2·8	60	1·1	140	0·6
23	140	0·7	90	0·7	170	0·5	130	0·2	230	0·1	---	0·0	---	0·0	320	0·1	---	0·0	---	0·0	---	0·0	---	0·0
24	360	2·5	10	1·8	350	2·5	40	2·1	10	1·7	100	2·2	90	6·9	80	6·0	90	6·3	90	6·9	100	8·9	100	12·3
25	60	3·0	30	2·3	30	2·3	20	4·0	20	3·5	40	4·0	50	4·5	60	4·4	60	4·6	60	3·5	80	6·3	80	6·2
26	150	2·1	140	2·9	160	2·5	90	0·4	20	1·7	40	3·5	90	2·7	130	6·3	110	6·0	110	4·8	110	5·6	120	8·3
27	180	6·9	180	8·1	180	9·7	190	11·2	190	11·0	180	11·3	180	9·0	180	7·1	180	5·3	170	4·6	170	4·4	160	2·3
28	200	3·6	190	3·2	190	3·0	200	3·8	190	3·2	180	1·2	170	0·1	170	0·5	160	0·4	340	0·1	330	0·5	350	0·9
29	150	0·3	180	0·6	160	0·6	160	0·4	150	0·2	160	0·5	180	0·4	120	0·3	---	0·0	180	0·5	210	0·5	---	0·0
30	100	5·6	110	5·0	130	5·1	170	2·8	200	1·9	190	2·9	200	6·8	200	9·4	200	7·5	190	4·0	170	0·9	160	2·5
31	350	1·3	340	1·3	350	0·8	350	0·6	360	0·1	360	0·4	340	0·2	50	0·4	---	0·0	50	0·1	150	2·9	130	3·9
Mean	---	3·2	---	3·6	---	3·4	---	3·2	---	3·1	---	3·2	---	3·4	---	3·6	---	3·6	---	3·4	---	3·4	---	3·7
Annual Mean	---	4·0	---	3·9	---	3·9	---	4·0	---	4·0	---	4·0	---	4·1	---	4·4	---	4·8	---	5·1	---	5·5	---	5·7
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	

* Values interpolated Anemometer head frozen.

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, 1935

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	
180	5·7	180	6·1	200	5·4	190	4·7	200	2·5	200	2·9	210	3·2	210	3·5	210	2·8	180	1·8	200	2·5	210	2·9	3·6	1
180	9·5	180	9·2	180	9·2	190	8 7	190	6·6	180	5·5	190	4·8	190	5·0	200	7·0	190	4·0	190	3·7	200	3·3	5·5	2
130	8·2	140	8·5	130	8·1	130	7·3	120	7·0	120	9·3	130	8·0	130	7·0	140	6·3	130	6·6	130	6·1	130	3·6	5·3	3
120	2·7	110	2·5	130	1·5	80	0·5	20	1·0	40	0·8	10	1·0	360	1·1	330	1·8	340	1·5	350	1·1	350	1·5	2·0	4
170	1·3	160	3·4	150	2·9	160	3·2	170	4·2	190	2·8	260	2·1	250	0·8	270	3·4	270	1·6	270	1·3	250	0·4	1·7	5
190	2·2	180	3·6	180	3·9	190	3·6	200	2·3	170	0·7	150	0·2	350	0·1	350	0·3	330	0·1	340	0·1	---	0·0	0·9	6
80	3·5	60	4·0	60	3·5	60	3·4	30	1·7	330	1·0	360	0·7	40	2·5	20	1·6	30	1·8	40	1·7	20	2·7	1·4	7
10	3·0	20	2·5	360	0·6	---	0·0	220	0·1	---	0·0	---	0·0	---	0·0	---	0·0	350	0·1	10	0·1	350	0·4	1·7	8
110	5·9	110	4·9	120	4·8	140	2·1	350	0·4	320	1·7	330	1·0	330	0·4	---	0·0	360	0·2	350	0·5	350	0·6	2·8	9
40	1·7	60	3·5	40	2·3	20	2·2	20	1·4	350	2·2	360	2·4	10	1·7	10	2·5	360	2·1	10	0·8	360	0·6	1·8	10
200	5·1	210	4·6	210	3·3	190	2·8	190	4·3	210	4·7	170	1·0	180	1·5	150	4·8	150	5·1	160	4·1	140	6·0	3·0	11
230	8·6	240	7·2	220	6·1	200	3·2	190	2·2	210	2·8	200	3·6	230	4·8	200	2·5	180	1·7	180	0·5	170	0·1	6·8	12
330	1·5	350	0·4	10	0·2	360	0·4	340	0·6	340	1·0	350	0·1	---	0·0	---	0·0	---	0·0	---	0·0	190	0·5	0·7	13
240	6·9	240	7·0	220	5·0	190	2·5	200	2·0	190	2·1	190	1·9	20	0·2	340	0·2	60	0·1	100	0·1	360	0·1	3·5	14
200	5·1	200	5·3	190	2·9	190	5·3	190	4·1	190	3·3	210	3·6	210	4·7	210	5·2	210	0·7	180	2·2	190	2·2	2·7	15
180	5·7	170	5·1	190	4·0	180	3·2	180	0·4	130	0·3	90	0·1	90	0·3	330	0·5	10	0·2	350	0·8	360	1·6	2·9	16
20	5·5	20	5·3	20	5·5	20	5·5	30	6·2	20	7·3	20	6·3	30	4·9	30	4·8	20	4·5	20	4·8	20	4·5	4·8	17
350	6·6	350	7·2	340	6·6	350	3·7	340	3·3	10	1·8	230	0·4	350	0·8	10	0·3	10	1·0	100	0·9	270	0·2	4·2	18
100	0·9	80	2·0	70	3·5	70	3·6	70	4·1	80	3·3	90	4·6	110	4·3	90	4·7	100	2·8	110	4·9	120	6·8	2·5	19
80	6·3	70	5·7	60	5·8	70	5·8	60	5·7	70	8·4	70	7·7	70	7·6	70	8·1	70	7·9	70	7·7	70	7·7	7·0	20
40	4·4	40	4·3	50	3·5	60	3·3	50	4·3	50	4·8	50	4·5	60	4·2	60	4·0	60	3·0	60	3·5	60	2·9	5·2	21
60	4·1	50	4·4	60	3·3	50	2·1	70	2·5	60	1·7	70	2·3	50	1·7	70	1·6	40	2·6	10	0·4	30	1·8	2·9	22
20	2·3	30	2·6	20	2·1	10	1·0	10	1·4	360	0·6	360	0·8	340	0·1	10	0·1	---	0·0	10	0·1	10	0·1	1·2	23
140	2·4	170	2·8	170	2·0	150	2·2	220	1·4	220	1·3	150	1·5	150	1·0	150	0·7	160	0·2	120	0·1	280	0·1	0·8	24
230	6·3	230	8·7	230	10·0	230	9·8	220	9·7	220	10·3	230	12·1	200	7·5	210	10·3	210	9·9	210	11·0	220	13·8	6·4	25
240	11·2	230	9·9	220	11·0	230	11·9	230	11·2	220	10·6	230	10·1	230	11·0	230	10·9	240	9·1	240	8·5	240	8·0	11·1	26
220	6·3	240	6·7	230	5·4	210	6·2	220	7·0	220	6·3	220	6·9	220	7·3	210	6·8	200	5·6	200	7·6	200	8·5	6·3	27
270	8·1	270	9·3	280	11·0	280	10·7	270	9·9	280	8·9	280	10·5	270	6·9	260	6·4	250	4·9	210	2·4	250	3·6	8·5	28
250	10·0	230	10·1	240	7·2	230	8·9	230	9·1	230	9·5	220	6·4	210	6·5	220	8·2	230	10·6	220	11·0	220	10·9	8·6	29
220	9·2	220	8·8	210	7·1	200	6·9	190	7·6	190	6·4	70	1·2	330	1·8	310	4·2	280	6·5	260	6·7	250	7·4	7·9	30
---	5·3	---	5·5	---	4·9	---	4·5	---	4·1	---	4·1	---	3·6	---	3·3	---	3·7	---	3·2	---	3·2	---	3·4	4·1	

DECEMBER, 1935

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	
240	6·4	260	10·3	250	9·9	250	9·1	250	7·2	300	8·4	320	11·6	310	11·5	290	12·9	300	12·0	290	10·7	290	7·6	8·9	1
290	10·0	290	10·5	290	12·6	290	12·4	290	13·4	290	14·6	290	14·9	290	16·4	290	15·8	290	15·4	290	13·3	290	13·4	11·1	2
280	7·6	300	8·7	290	7·3	290	8·2	290	7·4	290	10·1	290	7·9	280	5·6	290	3·3	320	1·2	90	0·8	280	1·4	7·0	3
230	2·1	220	3·2	200	1·3	210	2·1	200	1·6	---	0·0	270	0·4	350	0·1	270	0·2	160	0·2	330	0·1	---	0·0	3·5	4
260	3·5	200	3·3	170	2·3	180	1·0	250	1·0	230	2·1	200	1·7	170	1·7	220	3·4	220	2·0	220	2·9	250	2·6	1·4	5
---	0·0	10	0·1	---	0·0	---	0·0	290	0·1	---	0·0	---	0·0	---	0·0	---	0·0	300	0·1	350	0·1	360	0·1	1·0	6
170	0·8	180	0·2	190	1·4	190	1·8	190	1·4	190	2·8	180	3·5	210	4·8	200	2·1	200	1·1	230	2·5	270	4·2	1·3	7
210	3·0	220	2·8	200	2·8	230	1·5	280	2·6	320	4·2	310	6·8	320	4·0	360	1·5	360	3·4	50	1·2	20	4·4	3·0	8
20	7·1	20	6·2	20	7·2	20	7·4	20	6·8	20	6·5	20	6·3	20	6·2	20	4·5	20	2·9	10	3·5	10	3·1	4·8	9
40	5·0	40	4·7	50	3·9	40	5·4	30	6·0	40	6·3	30	7·4	40	6·3	50	5·0	50	3·0	350	1·5	30	2·8	3·7	10
50	5·9	50	5·1	50	4·8	50	4·5	40	4·6	50	4·1	40	4·4	50	4·5	60	4·0	60	2·9	50	3·4	80	4·2	4·3	11
80	3·2	70	2·7	50	2·6	70	3·5	60	3·3	50	3·7	60	3·2	60	2·1	60	2·7	60	2·7	70	1·6	60	1·8	2·7	12
60	1·5	60	1·6	50	1·8	40	1·2	350	1·3	30	0·2	10	0·3	290	0·1	300	0·5	360	0·2	---	0·0	160	0·7	1·3	13
180	7·8	180	7·7	170	7·1	180	7·2	180	7·2	180	7·0	180	6·9	180	6·9	180	6·8	180	5·6	180	3·3	170	2·2	5·3	14
240	7·1	220	6·9	220	8·5	220	10·1	230	11·8	230	11·2	220	11·0	230	9·5	230	8·1	190	5·6	220	7·3	280	3·2	6·4	15
270	1·9	290	2·8	300	3·3	340	0·8	...	...	...	...	...	...	...	...	...	...	...	...	340	1·6	360	2·3	2·9	16
10	5·5	10	5·3	10	3·6	360	6·0	350	2·2	350	5·0	360	3·7	30	2·4	360	4·1	350	4·6	340	4·3	350	4·5	4·3	17
330	0·5	340	0·3	330	0·2	---	0·0	320	0·0	320	0·1	320	0·1	360	0·6	10	1·3	350	2·4	10	2·2	350	2·6	1·1	18
350	0·8	350	0·4	---	0·0	---	0·0	350	0·1	40	0·1	180	0·1	230	0·4	200	0·3	170	0·1	20	0·2	170	0·5	1·0	19
310	4·2	320	4·9	320	5·3	350	2·4	340	3·1	330	4·8	340	4·9	340	5·8	10	2·2	210	0·6	300	1·2	240	0·9	2·3	20
170	0·3	180	1·5	270	3·7	220	2·9	150	1·9	130	0·8	190	1·8	240	2·9	250	3·5	260	2·3	220	2·5	200	1·2	1·3	21
240	1·9	270	3·8	320	8·8	320	6·7	320	8·3	320	6·1	270	2·5	360	3·5	220	3·0	50	4·7	250	2·3	340	1·9	3·9	22
---	0·0	---	0·0	350	0·2	320	0·2	350	0·5	360	0·6	350	1·1	360	1·8	360	1·6	350	3·1	360	2·8	360	2·3	0·7	23
100	11·4	110	12·6	110	11·1	110	12·1	110	13·9	120	11·1	130	8·6	130	4·9	140	3·6	150	2·3	20	2·5	40	2·9	6·5	24
90	2·1	120	1·9	150	2·4	160	4·7	160	5·6	170	5·0	170	4·9	170	4·3	160	4·4	160	2·6	160	2·2	150	2·8	3·8	25
100	5·8	100	3·1	50	1·4	90	0·6	150	0·4	190	1·4	190	2·1	190	2·2	190	0·3	190	3·0	180	4·4	170	5·1	3·2	26
170	2·1	160	2·0	170	0·3	290	0·1	---	0·0	230	0·8	190	1·2	210	2·3	220	4·0	220	4·9	220	4·3	220	5·0	4·9	27
100	1·7	160	1·2	140	0·7	170	0·2	190	0·3	290	2·4	310	2·9	290	2·2	280	1·9	270	1·5	260	0·5	140	0·1	1·5	28
---	0·0	---	0·0	140	0·2	170	1·5	170	0·4	80	0·3	80	0·1	160	0·6	160	0·4	140	2·6	130	3·8	120	4·6	0·8	29
150	2·7	150	2·6	140	2·5	90	0·9	70	2·7	60	4·3	70	2·2	10	0·7	10	2·0	360	2·6	360	3·0	360	2·0	3·4	30
120	3·6	120	3·0	170	3·5	190	4·7	200	5·8	190	6·0	210	5·8	210	6·2	200	4·1	190	2·7	200	6·9	200	5·2	2·9	31
---	3·7	---	3·9	---	3·9	---	3·8	---	3·9	---	4·2	---	4·2	---	3·9	---	3·5	---	3·2	---	3·1	---	3·1	3·6	
---	5·9	---	5·9	---	5·8	---	5·6	---	5·4	---	5·1	---	4·8	---	4·2	---	4·1	---	4·0	---	3·9	---	3·8	4·7	
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

249. ESKDALEMUIR: h_a = 235 metres + 15 metres 1935

Day	Jan. Max. in a Gust	Jan. Time of Gust	Feb. Max. in a Gust	Feb. Time of Gust	Mar. Max. in a Gust	Mar. Time of Gust	Apr. Max. in a Gust	Apr. Time of Gust	May Max. in a Gust	May Time of Gust	June Max. in a Gust	June Time of Gust	July Max. in a Gust	July Time of Gust	Aug. Max. in a Gust	Aug. Time of Gust	Sept. Max. in a Gust	Sept. Time of Gust	Oct. Max. in a Gust	Oct. Time of Gust	Nov. Max. in a Gust	Nov. Time of Gust	Dec. Max. in a Gust	Dec. 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	12	4 55	32	14 50	8	15 30	21	3 55	11	14 50	12	13 55	7	15 5	7	20 10	10	22 45	14	13 25	17	0 20	26	13 10
2	21	6 25	33	10 5	6	23 40	18	8 10	8	13 15	11	3 30	15	13 5	11	11 5	20	15 40	13	15 15	19	12 30	27	20 55
3	25	21 40	11	8 35	21	17 55	19	20 35	7	19 20	14	11 25	17	14 35	13	17 10	15	11 25	11	0 5	18	11 45	26	2 5
4	25	0 25	10	22 10	18	23 55	19	23 50	12	13 50	11	13 25	24	5 5	12	12 0	13	15 25	10	14 55	11	1 5	14	6 20
5	13	7 40	13	10 20	16	15 40	22	17 50	9	12 50	8	15 5	22	6 25	10	13 30	9	15 20	14	13 50	9	18 25	10	12 55
6	14	12 15	20	7 30	6	14 35	21	0 10	9	11 15	20	21 40	12	0 35	11	12 55	9	15 35	13	4 55	10	14 35	8	5 10
7	10	9 30	6	13 30	5	14 15	12	21 0	11	14 0	25	13 15	5	15 55	13	14 50	10	16 35	17	23 45	9	19 50	11	23 35
8	5	4 40	3	12 25	12	20 40	12	5 15	9	15 15	22	2 20	9	13 30	13	13 20	8	11 20	24	3 50	7	11 15	15	18 55
9	6	23 30	13	23 50	15	18 10	20	9 55	14	13 40	17	12 25	11	17 55	13	15 45	9	9 35	18	11 15	11	11 20	14	12 35
10	20	23 10	13	21 20	20	14 0	30	9 10	13	19 25	18	24 0	13	11 40	20	13 0	9	16 20	22	17 30	7	13 50	13	19 20
11	32	10 35	24	22 25	18	10 25	33	12 20	14	3 35	20	17 40	6	18 55	17	9 10	8	99 30	17	7 40	15	13 5	15	10 55
12	*(23)	8 10	26	4 15	10	9 0	15	2 10	15	10 15	17	1 0	8	13 10	11	17 40	13	23 45	17	20 45	21	5 35	8	12 50
13	8	20 50	22	24 0	11	1 10	9	23 5	24	15 50	17	12 10	13	12 45	12	12 25	20	21 10	26	19 30	5	6 25	5	4 40
14	16	22 40	26	7 30	13	11 10	11	8 40	21	10 45	15	16 35	9	16 5	10	12 0	23	10 5	23	1 35	15	8 45	13	12 10
15	15	0 5	25	10 0	7	3 20	14	12 10	25	22 25	12	16 50	12	15 5	10	11 50	21	12 20	21	16 0	13	16 5	21	9 55
16	11	1 20	28	20 50	8	13 15	15	23 5	21	0 5	13	12 10	12	10 40	9	15 5	19	10 55	17	0 55	11	12 15	*(13)	1 30
17	9	21 45	22	0 10	5	7 10	14	0 45	16	23 10	8	9 30	15	15 25	11	13 15	26	16 50	24	4 40	14	10 10	13	5 45
18	9	0 30	29	3 35	15	13 45	10	10 40	15	19 25	13	10 55	14	12 15	10	14 30	18	12 5	31	21 0	14	8 50	11	0 40
19	8	0 40	28	5 45	15	16 20	10	4 30	14	17 30	10	13 10	12	12 15	13	12 5	28	12 5	39	8 0	13	23 50	6	1 20
20	6	2 5	26	5 10	16	3 45	18	15 35	17	12 45	15	9 15	21	17 25	13	9 30	23	14 20	21	1 20	18	23 5	13	19 10
21	6	4 15	25	13 15	13	10 40	16	16 55	12	5 15	21	10 15	17	7 50	20	13 25	8	15 40	15	13 35	16	0 55	8	14 35
22	17	21 35	19	13 30	20	31 20	9	14 50	13	15 30	13	14 10	12	10 5	9	15 5	13	21 25	10	0 50	10	8 55	15	21 50
23	22	15 15	16	3 35	22	4 25	9	15 35	15	8 0	9	23 10	18	14 20	6	16 15	19	15 15	11	21 10	7	10 35	5	21 45
24	28	19 50	17	23 35	16	5 5	9	14 50	16	13 15	10	14 20	9	1 45	8	4 20	14	19 0	9	0 30	6	14 50	24	13 10
25	32	23 20	25	4 30	25	22 10	14	16 45	16	12 40	12	0 35	15	15 55	9	11 45	10	9 30	4	2 0	23	23 50	11	11 0
26	29	3 40	16	14 20	29	0 10	13	6 45	15	14 40	15	23 25	13	15 35	17	8 50	11	23 55	23	16 5	25	2 25	15	10 50
27	19	1 55	21	10 25	21	0 5	10	17 15	13	16 50	15	5 20	19	13 40	14	13 10	14	12 0	27	12 10	19	1 5	18	2 40
28	6	13 45	9	10 30	12	14 25	7	14 35	14	13 40	14	16 30	20	20 40	9	13 15	20	11 30	24	0 15	28	18 50	7	0 15
29	5	5 45	-	-	12	9 10	8	11 25	12	14 30	15	12 30	13	0 15	13	11 20	17	21 30	28	16 0	22	8 5	9	23 30
30	18	14 40	-	-	15	8 55	7	12 50	13	15 40	7	4 50	8	12 30	14	13 50	16	13 10	26	11 25	19	0 5	15	6 55
31	27	17 35	-	-	19	20 10	-	-	11	9 20	-	-	8	13 40	12	13 20	-	-	22	13 15	-	-	12	19 15

* Values interpolated: anemometer head frozen.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

250. ESKDALEMUIR: h_a = 235 metres + 15 metres 1935

Month	Distribution of Wind Speed: More than 17·1 m/s. Dates of Occurrence	More than 17·1 m/s. Duration	10·8 to 17·1 m/s. No. of Days	10·8 to 17·1 m/s. Duration	5·5 to 10·7 m/s. Duration	1·6 to 5·4 m/s. Duration	Less than 1·6 m/s. Duration	No Record Duration	Extreme Velocities: Highest Hourly Wind Veer from N	Highest Hourly Wind Speed	Highest Hourly Wind Hour Ended	Highest Gust Speed	Highest Gust Date
		hr		hr	hr	hr	hr	hr	°	m/s	day hr	m/s.	day h. m.
Jan.	11,25,26	7	12	89	152	291	205	-	210	20	11 11	32	25 23 20
Feb.	18,19	8	15	139	196	173	156	-	240	19	18 5	33	2 10 5
Mar.	-	-	8	48	240	302	154	-	240	16	25 16	29	26 0 10
Apr.	10	8	6	41	214	287	170	-	200	19	10 6	33	11 12 20
May	-	-	3	9	295	323	117	-	290	14	13 17	25	15 22 25
June	-	-	7	37	238	305	140	-	220	15	8 5	25	7 13 15
July	-	-	3	9	221	320	194	-	270	13	4 6	24	4 5 5
Aug.	-	-	3	9	134	418	183	-	210	13	10 13	20	21 13 25
Sept.	-	-	8	59	209	296	156	-	220	15	19 5	28	19 12 5
Oct.	18,19	12	15	83	277	247	125	-	210	19	18 21	39	19 8 0
Nov.	-	-	6	31	203	275	211	-	220	15	26 3	28	28 18 50
Dec.	-	-	6	31	147	330	236	-	290	16	2 20	27	2 20 55
Year	8	35	92	585	2526	3567	2047	-	210	20	Jan. 11 11	39	Oct. 19 8 0

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

251. ESKDALEMUIR

1935

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	79·5	80·7	76·7	79·4	76·1	79·0	79·6	79·3	81·6	79·9	84·2	81·7	88·1	83·3	88·1	85·1	87·0	85·7	84·0	84·5	80·5	82·8	78·5	81·1
2	79·8	80·7	77·4	79·4	76·3	79·0	79·0	79·2	81·8	79·9	84·0	81·7	87·6	83·4	88·5	85·1	87·1	85·7	83·5	84·6	80·2	82·8	78·2	81·1
3	80·0	80·7	77·3	79·3	76·6	78·9	78·5	79·4	81·9	80·1	83·8	81·7	88·0	83·8	88·4	85·1	86·9	85·7	83·3	84·5	80·1	82·9	77·8	81·0
4	80·0	80·7	77·2	79·3	76·9	78·9	78·1	79·4	82·5	80·1	84·1	81·7	88·0	83·9	88·3	85·2	86·6	85·7	83·2	84·4	80·6	82·8	77·5	81·0
5	79·3	80·7	77·3	79·2	76·9	78·9	78·1	79·4	83·0	80·2	84·0	81·8	87·8	84·0	88·3	85·2	86·5	85·7	83·2	84·4	80·8	82·6	77·3	80·9
6	78·5	80·7	77·0	79·2	76·9	78·8	78·0	79·4	83·7	80·3	84·0	81·8	87·4	83·9	88·4	85·2	86·3	85·7	83·2	84·3	80·6	82·6	77·0	80·8
7	78·6	80·7	76·8	79·2	77·2	78·7	78·1	79·4	84·0	80·8	84·3	81·9	87·1	84·0	88·5	85·2	86·0	85·6	83·1	84·2	80·0	82·5	76·8	80·9
8	77·6	80·7	76·4	79·2	77·8	78·7	78·0	79·4	84·1	80·5	84·3	82·0	87·8	84·1	88·7	85·1	85·7	85·5	83·2	84·2	79·9	82·3	76·7	80·9
9	77·1	80·6	76·2	79·2	77·7	78·8	78·3	79·3	83·3	80·6	83·8	82·1	88·4	84·1	88·9	85·3	85·5	85·5	83·0	84·1	80·0	82·6	76·6	80·8
10	76·9	80·5	76·3	79·1	77·3	78·8	78·9	79·2	83·8	80·7	84·0	82·1	88·6	84·1	88·9	85·2	85·4	85·4	82·7	84·1	79·6	82·4	76·6	80·6
11	77·2	80·4	76·8	79·0	76·9	78·8	79·0	79·3	83·6	80·9	84·0	82·1	88·2	84·2	88·4	85·2	85·4	85·4	82·3	84·1	79·6	82·3	76·7	80·6
12	77·5	80·3	77·3	79·0	77·0	78·8	79·0	79·3	83·8	81·1	84·0	82·1	88·8	84·3	88·3	85·4	85·7	85·4	82·0	84·1	79·7	82·2	76·3	80·3
13	77·1	80·2	77·7	79·0	77·1	78·8	79·1	79·4	83·4	81·1	84·0	82·1	89·4	84·4	88·0	85·4	85·8	85·3	81·9	84·1	79·6	82·2	76·8	80·2
14	76·9	80·2	77·9	79·0	77·2	78·8	78·8	79·4	82·7	81·1	84·2	82·1	89·8	84·6	88·0	85·4	86·0	85·3	82·4	84·1	79·2	82·1	76·7	80·1
15	77·2	80·1	77·8	79·1	77·4	78·8	78·6	79·4	82·0	81·1	84·4	82·3	89·2	84·7	87·8	85·4	86·0	85·3	82·6	83·8	79·0	82·1	76·7	80·1
16	77·7	80·1	78·2	79·1	77·4	78·8	78·9	79·2	81·3	81·1	84·9	82·3	89·2	94·7	87·6	85·4	85·8	85·2	83·0	83·7	79·0	82·1	76·6	80·1
17	77·8	80·0	78·4	79·1	77·5	78·8	78·7	79·3	81·3	81·2	85·0	82·2	88·8	84·7	87·7	85·4	85·7	85·1	83·0	83·7	78·8	81·9	76·5	80·1
18	77·7	79·9	78·4	79·1	78·1	78·8	78·8	79·3	81·3	81·2	85·0	82·4	88·2	84·7	88·1	85·5	85·3	85·2	82·8	83·6	79·0	81·9	76·3	80·0
19	77·8	79·9	78·9	79·2	78·6	78·8	79·3	89·4	81·5	81·1	84·4	82·5	88·0	84·9	88·6	85·5	85·2	85·1	82·7	83·6	79·1	81·7	76·4	79·9
20	77·7	79·9	79·0	79·2	79·0	78·8	80·0	79·4	81·6	81·1	84·6	82·5	87·8	84·7	88·7	85·5	85·2	85·1	82·0	83·7	79·0	81·7	76·2	79·9
21	77·6	79·9	79·0	79·2	79·3	78·9	80·3	79·4	81·8	81·1	84·8	82·6	87·5	84·8	88·9	85·7	85·0	85·1	81·0	83·6	79·3	81·7	76·0	79·9
22	77·5	79·9	78·6	79·2	79·2	78·9	80·6	79·3	82·4	81·1	85·0	82·7	87·2	84·7	88·6	85·6	84·7	85·0	80·3	83·5	79·3	81·6	75·9	79·8
23	77·4	79·8	78·0	79·3	79·4	79·0	80·6	79·4	82·7	81·1	86·2	82·6	87·5	84·9	88·7	85·7	84·5	85·0	79·9	83·5	79·2	81·6	75·7	79·7
24	77·7	79·8	77·7	79·2	79·4	79·0	80·9	79·6	82·6	81·1	87·4	82·7	88·1	85·1	88·2	85·6	84·2	85·0	80·1	83·2	78·6	81·5	75·6	79·7
25	78·1	79·8	77·1	79·2	79·7	79·0	81·0	79·7	82·8	81·2	88·0	82·8	88·5	85·0	88·9	85·6	83·9	84·9	80·4	83·2	78·0	81·5	75·6	79·6
26	78·0	79·9	76·6	79·1	79·7	79·0	80·7	79·8	83·0	81·1	88·2	82·9	88·5	85·0	88·7	85·7	83·7	84·9	80·5	83·1	78·0	81·4	75·5	79·5
27	77·2	80·0	76·3	79·1	79·6	79·1	80·9	79·9	83·2	81·2	88·4	83·0	88·3	85·1	88·3	85·7	83·6	84·8	80·9	83·1	78·2	81·4	75·5	79·4
28	76·8	79·7	76·2	79·1	79·4	79·1	81·0	79·8	83·7	81·2	87·3	83·1	88·1	85·1	87·7	85·8	84·1	84·8	81·6	83·0	78·6	81·3	75·5	79·2
29	76·6	79·7	-	-	79·5	79·2	81·0	79·9	83·1	81·3	87·6	83·2	87·7	85·1	87·5	85·8	84·2	84·8	82·0	82·9	78·9	81·3	75·4	79·2
30	76·3	79·5	-	-	79·4	79·3	81·4	79·9	83·1	81·3	88·0	83·3	87·4	85·1	87·4	85·7	84·2	84·7	81·7	82·8	78·8	81·2	75·5	79·1
31	76·4	79·5	-	-	79·5	79·3	-	-	84·0	81·4	-	-	87·7	85·1	87·0	85·7	-	-	81·2	82·8	-	-	75·8	79·2
Mean	77·8	80·2	77·4	79·2	78·1	78·9	79·4	79·5	82·7	80·9	85·2	82·3	88·2	84·5	88·3	85·4	85·4	85·3	82·2	83·7	79·4	82·0	76·5	80·2
																					Year		81·7	81·9

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

252. ESKDALEMUIR

1935

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	76·2	75·1	74·0	75·0	77·8	73·2	83·1	75·8	82·4	72·4	71·2	71·8
2	81·0	77·3	73·3	72·1	74·9	72·8	94·7	77·3	83·8	68·0	70·5	71·2
3	79·2	67·3	74·0	70·8	75·1	78·9	79·9	74·6	78·7	79·0	71·1	72·9
4	76·4	73·8	69·9	71·0	73·3	75·2	84·8	77·0	75·0	71·2	78·8	72·0
5	71·5	72·9	72·6	69·9	75·6	80·0	85·2	85·6	75·2	79·5	70·7	65·2
6	68·0	72·2	71·4	70·5	77·0	76·0	81·2	81·6	72·0	73·6	66·5	70·3
7	69·8	65·2	75·2	67·6	78·2	81·3	74·2	77·0	71·6	75·1	72·0	62·5
8	67·8	68·1	69·0	74·4	71·1	79·9	79·2	81·9	69·9	78·2	72·0	72·2
9	64·8	71·0	72·0	74·3	72·8	68·9	77·0	77·4	76·0	73·3	74·3	71·0
10	70·8	70·7	72·8	79·0	77·8	78·2	77·8	83·5	74·0	73·2	68·3	72·4
11	77·2	76·3	72·8	76·4	76·7	82·0	74·9	86·5	78·1	75·2	75·1	69·0
12	69·8	78·0	68·8	71·7	75·1	79·2	80·4	80·0	79·3	71·0	75·8	75·0
13	62·9	72·9	70·1	67·6	66·8	80·3	84·9	72·0	79·0	79·0	71·1	73·7
14	72·1	74·9	70·2	74·7	71·3	-	78·1	83·1	83·6	80·9	72·0	72·7
15	75·6	74·4	72·5	70·8	63·3	75·0	82·1	80·4	81·8	79·8	69·5	72·0
16	77·3	79·9	70·0	74·8	69·7	75·5	82·0	75·5	79·8	82·2	72·2	68·6
17	69·0	74·7	76·1	75·2	(71·0)	76·2	81·0	87·0	79·6	74·2	70·2	61·2
18	76·4	78·8	76·6	74·2	70·8	78·1	78·7	85·4	80·9	70·6	77·0	63·0
19	75·0	79·8	79·8	75·7	70·0	70·7	75·9	84·8	82·1	77·4	72·3	66·2
20	73·7	77·0	75·4	78·0	68·8	84·1	83·6	87·0	82·2	71·0	74·0	61·3
21	71·6	76·9	74·2	78·4	75·1	83·5	79·8	82·1	71·2	64·8	77·5	61·1
22	69·0	69·9	77·8	73·7	71·0	85·5	75·0	73·0	80·6	68·2	72·2	65·0
23	74·7	68·6	76·0	76·7	76·7	85·9	83·4	73·1	77·5	69·6	70·8	60·0
24	76·8	61·9	75·2	77·0	72·3	86·1	80·0	82·2	70·4	77·8	62·7	60·0
25	73·0	72·4	79·0	69·7	78·1	86·0	75·3	86·3	72·0	76·0	68·1	73·0
26	69·0	60·8	77·9	75·5	76·6	84·2	82·4	79·8	69·0	75·6	76·2	76·0
27	69·0	70·1	75·8	76·1	76·3	85·4	86·4	76·6	79·4	78·0	74·0	75·9
28	61·8	73·0	68·3	72·9	74·2	83·2	81·3	70·2	83·0	79·6	77·9	76·5
29	72·1	-	75·7	74·3	77·0	-	76·6	75·9	72·0	81·3	75·6	72·0
30	66·1	-	76·5	72·0	76·9	81·5	71·7	78·0	76·6	73·2	72·8	70·5
31	74·2	-	78·6	-	74·0	-	71·9	82·2	-	72·7	-	70·2
Mean	72·0	72·6	73·9	73·7	73·7	79·5	79·7	79·8	77·2	74·9	72·4	69·2

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.
(3) Annual Mean 274·7.

253. ESKDALEMUIR JANUARY, 1935

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	St	Frnb: Nbst	10	10	10	10	10	10	I	F	h	I	I	I	●	●	d	●^{0}	●^{0}	d$_0$	c●m$_0$, odm$_0$ *a* : od, o●^{0} *p* : c●^{0}, cd$_0$m$_0$ *n*.
2	St: Stcu: Nbst	Stcu	Stcu	10	9	9	6	3	4	k	l	k	l	l	l	...	...	...	...	...	...	c, p●^{0} *a* : c, bc *p* : bc⌓ *n*.
3	Stcu: Ast:Cist	Frst: Stcu	St	9	9	10	9	10	2	j	h	I	I	G	k	...	...	...	...	d$_2$	...	c, idm$_0$ *a* : cm$_0$, cd *p* : cd, b *n*.
4	Stcu	Frcu: Stcu	Stcu	3	1	1	1	1	1	k	l	j	j	j	I	...	...	...	...	...	...	bc, bq *a* : b *p* *and n*.
5	Stcu: Acu	Frst: Cist: Ci	Stcu	1	8	7	7	7	5	l	m	m	k	j	j	...	...	...	...	...	...	b⊔(), bc *a* : bc *p* : bc⊔ *n*.
6	Cu: Stcu	Cu: Stcu	Stcu	1	2	9	8	2	9	k	k	I	l	k	k	...	...	...	...	...	p✱^{0}	b⊔, c *a* : cp●^{0}, b *p* : p●^{0}, p✱^{0} *n*.
7	Stcu	Frst: Stcu	Stcu	1	1	9	8	3	1	l	l	l	l	l	l	...	...	...	...	...	...	b, cp✱^{0} *a* : c, bc⊔ *p* : bc⊔, b⊔ *n*.
8	Frst: Acu	Frst: Ci	Frst	2	5	7	4	2	0	l	h	I	I	I	I	...	...	...	...	...	...	b⊔, cm$_0$ *a* : bcm$_0$ b⊔m$_0$ *p* : b⊔m$_0$ *n*.
9	St	St	St	10	10	10	10	10	10	i	G	G	G	g	f	...	...	...	...	...	●^{0}	o⊔m$_0$ *a* : om$_0$ *p* : o⊔m$_0$, o●^{0}m$_0$ *n*.
10	Frnb	Frnb: Nbst	Frst	10	10	10	10	10	10	i	j	I	I	i	i	●^{0}	...	●	d$_0$	...	...	ci●^{0}m$_0$ *a* : c●m$_0$, d$_0$ *p* : cm$_0$ *n*.
11	St: Stcu	Frnb: Nbst	Frnb	10	10	10	9	10	10	k	j	j	k	h	F	...	...	●^{0}	...	✱	i✱	cqш● *a* : cq●ш, ●^{0} *p* : i●, ✱, i✱m$_0$ *n*.
12	Stcu	Cu: Ci	Cu: Ci	3	1	3	4	2	5	k	l	l	k	k	j	...	...	...	...	...	...	⊠ 11 cms. c✱ early, bc ⋜ *a* : bc, b *p* : b, bc *n*.
13	Ci	Nbst	Frnb: Nbst	4	10	10	10	10	10	h	j	F	G	h	h	...	...	✱^{0}	✱^{0}	●^{0}	d$_0$	⊠ bc⊔, c✱^{0}m$_0$ *a* : c✱^{0}, ●^{0}m$_0$ *p* : c●^{0}, d$_0$m$_0$ *n*.
14	St: Stcu	Stcu	Stcu	9	9	9	5	5	5	j	m	l	l	l	l	...	...	...	...	...	...	c *a* : c, bc *p* : bc⌓ *n*.
15	Stcu	Stcu	St	7	9	9	4	10	10	k	j	j	j	C	D	...	...	...	...	...	...	bc, c *a* : bc, oFe *p* : oFe, fe *n*.
16	Stcu	St	St: Stcu	10	9	10	9	8	9	j	j	G	I	G	D	...	...	d$_0$	...	...	...	c, od$_0$m$_0$ *a* : od$_0$m$_0$, cm$_0$ *p* : cfe *n*.
17	Ci	Stcu	Stcu	1	6	8	10	10	9	k	k	k	l	j	j	...	...	...	...	...	...	b⊔, c *a* : c *p* *and n*.
18	Stcu	St: Stcu	Stcu	10	9	10	10	10	10	j	l	k	k	k	k	...	...	d$_0$	...	...	...	c, cd$_0$ *a* : cd$_0$c *p* : c, id$_0$ *n*.
19	St: Stcu	St: Stcu	St: Stcu	10	9	10	10	10	10	j	k	k	j	j	j	d$_0$	...	d$_0$	d$_0$	d$_0$	d$_0$	cid$_0$ *a*, *p and n*.
20	Stcu	St: Stcu	St: Stcu	10	10	10	10	10	9	j	I	I	I	i	i	...	...	...	...	...	...	c, cm$_0$ *a* : cm$_0$ *p and n*.
21	St: Stcu	Ci	Stcu: Ci	9	10	6	4	5	6	i	j	k	k	k	k	...	...	...	...	...	...	cm$_0$, bc *a* : bc *p and n*.
22	Stcu	Stcu	St	10	9	10	10	1	7	j	j	k	k	k	j	...	...	...	...	...	...	c⊔, c *a* : c, b *p* : b, bc *n*.
23	Stcu	Frst: Acu: Cist	Stcu: Acu: Ast	9	9	9	7	9	9	j	j	k	k	k	k	...	p●^{0}	...	...	...	...	cp●^{0}, c *a* : bc, cq *p* : cq, c *n*.
24	Frnb: Ast	Frst	Frnb	10	10	10	10	10	10	k	j	h	j	h	j	●^{0}	d$_0$	d	...	d	●	c●^{0}, d, d$_0$ *a* : cd, d$_0$m$_0$ *p* : cdm$_0$, ●ш *n*.
25	Cu: Stcu	Stcu	Cu: Stcu	9	7	8	10	4	0	h	I	j	G	j	l	p✱^{0}	✱^{0}	...	✱	...	...	●^{0} early, ci✱^{0} *a* : ci✱, bc *p* : bc, b *n*.
26	Cu: Stcu	Stcu: Ci	---	4	5	5	9	0	0	j	j	k	I	k	j	...	p✱^{0}	...	p✱	...	...	bcp✱^{0}*a* : bc, p✱*p* : b*n*.
27	Stcu	Cu: Ci	Stcu	1	1	1	1	2	0	k	k	k	k	k	k	...	...	...	...	...	...	⊠ 3 cms. b*a*, *p and* n.
28	Acu: Ast	Stcu: Ast	St	7	10	10	10	10	10	k	k	I	I	G	G	...	...	✱^{0}	d$_0$	d$_0$	...	bc⊔, c✱^{0}*a* : c✱^{0}, od$_0$m$_0$*p* : od$_0$m$_0$, om$_0$*n*.
29	Stcu	Stcu	Ci	8	9	1	1	1	0	j	k	j	j	j	I	...	...	...	...	...	...	i●^{0} early, c, b*a* : b*p* : b, b⊔m$_0$*n*.
30	St	St	Stcu	10	10	10	9	9	4	F	E	C	l	k	k	d$_0$	●^{0}	...	...	...	...	od$_0$m$_0$, oF*a* : oF, c*p* : c, bc*n*.
31	Stcu	Cu: Stcu	Cu: Stcu	4	3	7	5	5	4	k	m	k	k	k	k	...	...	...	p●^{0}	p●^{0}	...	p●^{0} early, bcy*a* : bcp●^{0}*p* : bcp●^{0}, bc*n*.
Mean Cloud Am'nt.				6·8	7·4	8·0	7·4	6·4	6·1													

254. ESKDALEMUIR FEBRUARY, 1935

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	Stcu	St: Stcu	10	10	10	10	10	10	h	I	l	l	j	j	●^{0}	●^{0}	...	...	d$_0$	d$_0$	c●^{0}m$_0$ш *a* : cш *p* : cid$_0$ш *n*.
2	Frst: Stcu	Cu: Stcu: Ci	Cu: Stcu: Acu	9	4	3	5	3	1	j	l	l	l	l	l	●^{0}	p●^{0}	p✱	p●^{0}	...	...	p●^{0}, p✱qш *a* : bcq, p●^{0} *p* : bc, b *n*.
3	Stcu: Acu: Ast	Frst: Stcu	Frst: St	9	10	10	9	10	10	l	j	I	I	I	I	●^{0}	●^{0}	d$_0$	d$_0$	●^{0}	●^{0}	c●^{0}, d$_0$m$_0$ *a* : cid$_0$, ●^{0}m$_0$ *p* : ci●^{0}m$_0$ *n*.
4	Cu: Stcu	Frst: Stcu	Cu: Stcu	8	9	9	7	9	1	h	j	j	j	j	l	...	...	...	...	●^{0}	...	cm$_0$, c *a* : bc, ci●^{0} *p* : ci●^{0}, b⌓ *n*.
5	Frst: Stcu	Frnb: Nbst	Frst: Ast: Acu	7	4	10	10	9	9	k	k	I	I	j	h	...	...	✱	✱	...	...	p●^{0}, ✱, ✱ *a* : c✱m$_0$ *p* : cp✱^{0} *n*.
6	Frnb	Frst: Stcu	Stcu	9	8	8	7	4	4	h	l	j	j	j	j	i✱	✱^{0}	...	...	...	...	ci✱^{0}, p●^{0} *a* : p●, p✱, bc *p* : bc *n*.
7	Acu: Ci	Acu: Ast: Cicu	Acu: Ci	2	8	3	7	1	9	l	m	k	k	k	k	...	...	...	...	...	...	b⊔, c⊔⊕ *a* : bc, b⊔ *p* : b⊔, c⊔ *n*.
8	Stcu: Acu	Acu	Ast: Acu	9	9	9	9	9	9	h	h	I	j	j	j	...	...	...	...	...	...	c⊔m$_0$, cz$_0$ *a* : cz$_0$c *p* : c *n*.
9	Stcu	Stcu	Stcu: Ci	9	9	9	9	6	4	h	I	I	I	I	I	...	...	...	...	...	...	cm$_0$ *a* : cm$_0$, bcm$_0$ *p* : bcm$_0$ *n*.
10	Frnb: Ast	Stcu: Ast	Frnb: Nbst	10	10	10	10	10	10	h	h	k	k	I	I	●^{0}	●^{0}	d$_0$	●^{0}	●^{0}	●^{0}	c●^{0}, d$_0$ *a* : c●^{0} *p and n*.
11	St: Stcu	Frst	Frnb:Nbst	9	9	10	10	10	10	h	k	I	I	I	I	...	...	...	...	●^{0}	...	c, id$_0$ f *a* : cm$_0$, c●^{0} *p* : ci●^{0} *n*.
12	Frnb: Nbst	Stcu	Stcu: Ci	10	9	9	9	6	9	h	k	k	k	k	j	d	...	...	...	...	...	cd, p●^{0} *a* : cp●^{0} *p* : cp●^{0} *n*.
13	Frst: Stcu: Nbst	Stcu: Acu: Ast	Frst: Stcu	10	10	9	9	10	9	h	I	l	m	I	j	●^{0}	●^{0}	...	...	d$_0$	...	c●^{0}m$_0$, c *a* : c, cd$_0$m$_0$ *p* : cd$_0$m$_0$, i●^{0} *n*.
14	Cu: Stcu	Cu: Stcu	Cu: Stcu	6	7	4	7	5	9	j	l	k	k	l	k	...	...	...	...	...	...	c●, bc *a* : bc *p* : bcp●^{0}, c *n*.
15	St: Stcu	St	Frnb: Nbst	10	9	10	10	10	10	I	I	h	h	I	j	...	...	d	●	●^{0}	id$_0$	c●^{0}, odm$_0$ *a* : odm$_0$, c●m$_0$ *p* : cid$_0$ *n*.
16	Frnb	Frnb: Nbst	Frnb	10	10	10	10	10	1	i	h	I	h	j	k	●	●	●	●	●	...	c●m$_0$ *a* : c●, i●^{2} *p* : c●, bш *n*.
17	Frst: Stcu	Frnb: Stcu	Frnb	9	10	10	10	10	10	k	I	h	j	I	j	...	●	●	...	●^{0}	...	ci●^{0}m$_0$ *a* : ci●^{0}m$_0$ *p* : ci●^{0}m$_0$ *n*.
18	Stcu	St	St	10	10	10	10	10	10	k	h	I	D	G	g	...	●^{0}	d$_0$	...	d	●	c●, d$_0$m$_0$ *a* : od$_0$m$_0$, ofeш *p* : c●m$_0$ш *n*.
19	Frnb: Nbst	Stcu	St: Stcu: Ast	10	10	8	7	10	10	h	h	l	l	k	I	●^{0}	●	...	...	...	...	c●^{0}, i●^{2}m$_0$ш *a* : c, bc *p* : c, cm$_0$ *n*.
20	Frnb: Nbst	Frnb: Nbst	St: Stcu	10	10	10	10	10	9	h	h	G	G	h	I	●^{2}	●	●	...	...	...	c●^{2}, ●m$_0$ш *a* : ci●, i●^{0}m$_0$ *p* : ci●mq *n*.
21	Frnb: Stcu	Frst: Stcu	Frst: Acu: Cist	10	10	9	7	10	8	j	j	j	k	j	j	...	...	●^{0}	...	...	p●^{0}	c, ci●^{0} *a* : p●^{0}, bcy *p* : cp●^{0} *n*.
22	Frst: Ast: Cist	Cu: Stcu: Ci	Cu: Acu: Ci	10	9	7	8	9	2	j	j	j	j	k	k	...	...	...	...	...	...	c⊔, p✱^{0}, bc *a* : bcp●^{0}, cq *p* : c, b⊔ *n*.
23	Cu: Acu: Ci	Cu: Ci	Ci	8	7	5	4	1	0	l	l	l	l	l	l	...	...	...	...	...	...	⊠ 2 cm. c, bcy *a* : bcy, b *p* : b, b⊔ *n*.
24	Stcu	St	Stcu	10	10	10	9	7	10	j	G	I	I	I	g	...	✱	i✱	...	...	...	c⊔, o✱, i✱m$_0$ *a* : oi✱^{0}m$_0$ *p* : bcm$_0$, om$_0$ *n*.
25	St: Stcu	Cu: Stcu: Ci	Cu: Stcu	10	10	2	5	2	0	j	j	l	l	l	l	...	...	...	...	...	...	ci✱^{0}, b *a* : p✱^{0}, bcy *p* : p✱^{0}, b⊔ *n*.
26	---	Frcu: Ci	Stcu: Ast	0	1	7	7	9	9	k	k	k	l	k	j	...	...	...	...	...	...	b⊔, bcy *a* : bcy, c *p* : c *n*.
27	Mamcu: Ast	Frnb: Nbst	Frst: Stcu	10	10	10	10	9	10	k	G	h	j	I	i	...	✱^{0}	✱^{0}	...	...	...	cy, c✱^{0}m$_0$ *a* : ci✱^{0}m$_0$ *p* : cm$_0$ *n*.
28	Frnb: Nbst	Frnb: Acu: Ast	Stcu: Acu: Ast	10	10	9	10	10	10	I	I	j	I	I	g	i●	d$_0$	d$_0$	...	...	d$_0$	ci●^{0}, id$_0$m$_0$ *a* : cid$_0$, p●^{0}m$_0$ *p* : c, od$_0$m$_0$ *n*.
Mean Cloud Am'nt.				8·7	8·6	8·2	8·4	7·8	7·3													
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.

255. ESKDALEMUIR

MARCH, 1935

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	Fog	Cu: Stcu	St: Stcu	10	9	9	9	10	10	D	G	j	k	I	I	...	...	...	p●^{0}	...	...	ofe, c *a* : cp●^{0} *p* : c *n*.
2	Frst: Stcu	Frst: Stcu	Frst: Cu: Stcu	10	10	10	9	9	9	k	j	j	j	j	j	...	...	...	...	...	...	c *a*, *p and n*.
3	Frst: Ast: Acu	Frst: Ast	Frst: Stcu	10	10	10	10	9	1	G	h	I	h	l	l	...	●^{0}	●^{0}	●	...	...	cp▲^{0}, i●^{0}m$_0$ *a* : ci●, ● *p* : c, b *n*.
4	Stcu	Cu: Stcu	Frst: Stcu: Ci	7	3	7	6	7	10	l	l	k	l	l	k	...	...	...	...	...	...	bc⊔, bc *a* : bc *p* : bc, c *n*.
5	Stcu: Acu: Ci	Cu: Stcu: Ci	Stcu: Acu: Ci	8	9	8	4	6	9	j	j	j	k	k	k	...	...	...	...	...	...	c▲, ✱ *a* : cp●^{0}, bc *p* : bc, *n*.
6	Stcu: Ast:Acu	Frst:Stcu	Frst: Stcu	9	9	10	9	9	9	k	k	j	j	I	I	...	...	...	...	...	...	c *a* : c, cm$_0$ *p* : cm$_0$ *n*.
7	Stcu	Cu: Stcu	Stcu	9	9	9	10	10	5	I	I	j	j	j	j	...	...	...	...	...	...	cm$_0$, c *a* : cy, c *p* : c, bc *n*.
8	Stcu	Cu: Stcu	Stcu	10	6	6	9	9	9	h	h	I	I	I	i	...	...	...	...	...	...	c, bcm$_0$ *a* : bc, cz$_0$ *p* : cm$_0$ *n*.
9	St: Stcu	Stcu	St: Stcu	9	9	9	9	9	9	k	k	k	k	k	k	...	...	...	...	...	p▲^{0}	c *a and p* : c, cp▲^{0} *n*.
10	St: Stcu	Cu: Stcu	St: Stcu	9	9	9	9	9	9	k	l	l	l	k	k	...	...	...	...	...	...	c *a*, *p and n*.
11	Stcu	Frcu: Ci	---	9	5	1	1	0	1	k	k	k	k	j	j	...	...	...	...	...	...	c, by *a* : by, b *p* : b *n*.
12	Frst	---	---	1	1	0	1	0	2	l	l	k	k	h	I	...	...	...	...	...	...	b⊔, by *a* : by, b *p* : b, b⊔ *n*.
13	St	Frcu	---	4	2	1	0	0	0	I	j	I	I	h	h	...	...	...	...	...	...	bc, bz$_0$ *a* : bz$_0$ *p* : bz$_0$, bm$_0$ *n*.
14	St	Frcu: Stcu	Stcu: Ci	9	7	1	2	6	9	I	k	j	j	j	I	...	...	...	...	...	...	c⊔, b *a* : b, bc *p* : bc, c *n*.
15	Frnb: Nbst	Stcu: Ast: Acu	Stcu	10	9	9	10	9	10	I	j	j	I	h	G	✷^{0}	...	...	...	...	...	c✷^{0}, c *a* : o, cm$_0$ *p* : cm$_0$ *n*.
16	Ast: Acu: Cist	Frcu: Cist	Stcu: Ast	10	10	10	10	10	10	h	h	I	I	h	h	...	...	...	...	...	●^{0}	c⊔m$_0$, cz$_0$ ⊕ *a* : cyz$_0$ *p* : cz$_0$, c●^{0}m$_0$ *n*.
17	Frst: Stcu: Ast	Frst: Stcu	Frst: Stcu	10	10	10	9	9	10	h	h	I	I	h	h	●^{0}	●^{0}	...	...	...	...	ci●^{0}m$_0$ *a* : bc, cm$_0$ *p* : cm$_0$ *n*.
18	Fog	Stcu: Ast:Acu	St	10	10	9	10	10	10	C	F	k	h	I	I	...	...	...	d	d$_0$	d$_0$	oF, c *a* : cid, d$_0$m$_0$ *p* : od$_0$m$_0$ *n*.
19	Frst: Ast	Cu: Stcu: Cist	Frst: Ast: Cist	10	10	10	10	10	10	j	j	I	I	j	I	...	...	...	...	...	...	c, cz$_0$ ⊕ *a* : cz$_0$, c *p* : c *n*.
20	St	Cu: Stcu: Ci	Stcu: Cicu: Ci	10	9	9	7	8	9	I	j	l	l	l	l	...	...	...	...	...	...	om$_0$, cy *a* : cy, bcy *p* : cy, c ⩌ *n*.
21	St	Frst: Stcu	St	10	10	10	10	10	10	F	G	j	G	E	D	d$_0$	d$_0$	...	d$_0$	d	d$_0$	od$_0$m$_0$, c *a* : od$_0$, F, odf *p* : odf, od$_0$F *n*.
22	Nbst	Cu: Stcu	Frnb: Ast: Acu	10	10	9	9	9	9	h	h	j	j	l	h	●^{0}	●^{0}	...	p●^{0}	●^{0}	i●	oi●^{0}, p●^{2}▲ *a* : cp●, i●^{0} *p* : ci●m$_0$ *n*.
23	Cu: Ast: Ci	Stcu: Ast	Stcu: Ast	8	8	10	10	10	9	k	l	k	k	I	I	p●	...	...	...	id$_0$	p●	cp●, c *a* : ci●^{0}, id$_0$ *p* : cid$_0$, p● *n*.
24	Cu: Stcu:Ci	Cu: Stcu: Ci	Stcu: Nbst: Ast	2	7	9	10	10	10	l	l	m	m	j	I	...	...	...	...	...	●^{0}	bc, c *a* : c⊕ *p* : c, c●^{0}m$_0$ *n*.
25	St: Stcu	St	St: Cu: Stcu	10	10	10	10	9	1	I	I	h	h	I	l	...	d$_0$	d$_0$	d$_0$	p●	...	c, odm$_0$⥾ *a* : cid$_0$, p● *p* : p●, bc, b *n*.
26	Stcu	Cu: Stcu	Cu: Stcu	4	2	6	4	6	6	k	k	k	k	k	k	...	...	...	...	p●	p●	bc⥾, p●^{0}, bcy *a* : bcy, p● *p* : bcp● *n*.
27	Cu: Stcu	Cu: Stcu: Ci	Ci	7	7	5	1	4	1	k	m	k	k	k	k	p●^{0}	...	...	...	...	...	bcp●^{0}, bcy *a* : by, bc *p* : bc, b *n*.
28	Cu: Stcu	Cu: Stcu: Cist	Stcu: Ast: Cist	2	2	8	10	10	7	k	k	k	j	j	I	...	...	...	...	...	...	b⊔, c⊕ *a* : c⊕, c *p* : c, bc *n*.
29	St: Ast: Acu	Frnb: Stcu	Frnb: Nbst	9	10	10	10	10	10	m	m	j	j	I	h	i●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	ci●^{0}, ●^{0} *a* : c●^{0} *p* : c●^{0}m$_0$ *n*.
30	St: Ast: Acu	Frst: Stcu: Ast	Stcu: Ast	10	9	10	10	10	10	I	I	l	m	m	l	id$_0$	...	i●^{0}	...	...	●^{0}	cid$_0$, i●^{0} *a* : ci●^{0} *p* : ci●^{0} *n*.
31	Frst: Stcu: Ast	Frst: Stcu: Ast	Cu: Cicu: Ci	10	10	10	9	9	5	h	h	I	l	m	m	d$_0$	...	●^{0}	...	...	...	cid$_0$, i●^{0}m$_0$ *a* : c●^{0}, p●^{0} *p* : bcq. *n*.
Mean Cloud Am'nt.				8·3	7·8	7·9	7·6	7·9	7·4													

256. ESKDALEMUIR

APRIL, 1935

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: Ci	Stcu	Cunb: Acu: Anci	9	9	9	9	3	1	k	l	j	k	l	k	...	...	p●^{0}	p●^{0}	...	...	c, cp●^{0} *a* : cp●▲q *p* : cp●▲, b *n*.
2	Cunb: Stcu: Anci	Cu: Stcu	Cunb: Stcu:Anci	7	2	7	7	3	1	m	m	l	l	m	m	p✱^{0}	...	...	...	...	...	cp✱^{0}, bcy *a* : bcyjp *p* : bcy, b *n*.
3	Stcu	Cu: Stcu: Ci	Stcu: Cist	1	3	8	9	10	9	m	l	l	l	k	k	...	...	...	...	...	...	b⊔, bcy *a* : cy, c *p* : bc, cq *n*.
4	Stcu: Ast: Acu	Cunb: Cu: Ci	Cu: Stcu	9	2	8	4	6	0	I	k	I	l	k	k	...	...	p✱	...	...	...	cm$_0$, p✱^{0}y *a* : cp✱^{0}y *p* : bcy, b *n*.
5	Cu: Stcu	Cu: Frcu	Cu: Ast: Acu	1	1	3	5	3	6	l	m	l	l	l	k	...	...	...	...	...	...	b⊔, bcy *a* : p✱^{0}, bcy *p* : bcy, bc *n*.
6	Cu	Cu	Cu	1	1	5	7	3	1	m	m	m	l	j	I	...	...	...	...	...	...	b, bcy *a* : bcy *p* : bcy, b *n*.
7	St: Ast	St: Ast	Frnb: Nbst	10	10	10	10	10	9	I	j	I	I	G	j	...	...	i●^{0}	✷	●^{2}	...	c⊔, i●^{0}m$_0$ *a* : c●, ✷, ●^{2}m$_0$ *p* : ●▲, p●▲ *n*.
8	St: Stcu	Cu: Stcu	Cu: Stcu	9	8	9	9	9	9	j	j	k	k	l	k	...	...	...	...	...	...	c *a* : cy, bc *p* : cp●^{0}, c *n*.
9	St	Frnb: Cu: Stcu	St: Ast	10	10	9	8	10	10	I	h	j	k	j	G	...	●^{0}	●^{0}	...	...	...	c●, ●^{2}▲^{2}, i●^{0} *a* : cp●^{0}, c *p* : c, om$_0$ *n*.
10	Frnb	Frst: St	Frnb	9	10	10	10	10	10	h	I	I	I	I	I	●	...	...	●	i●	i●	c●, i●^{0}m$_0$ ⥾ *a* : ci●^{2}, p●^{2}▲^{2} *p* : c●, ●^{2}, i● ⥾ *n*.
11	Frnb: Cu	Cunb: Stcu: Ast	Frnb: Nbst	9	9	8	10	10	3	k	k	k	j	j	k	p●	...	...	●^{0}	●	...	cp●, p✷q ⥾ *a* : c●^{0}, ● ⥾ *p* : c●, bc *n*.
12	Frcu	Cu	Stcu	1	2	6	6	1	1	k	j	k	k	l	l	...	...	...	...	...	...	b, bcy *a* : bcy, by *p* : by, b *n*.
13	Stcu: Acu: Ci	Cu: Ast: Acu	Stcu: Cist	7	10	9	10	10	7	k	k	k	j	I	I	...	...	...	●^{0}	...	...	bc⊔, cy⊕ *a* : cy, ci●^{0} *p* : cz$_0$, bcz$_0$ *n*.
14	Frnb: Nbst	Frnb: Nbst	St: Stcu	10	10	10	10	9	9	I	I	I	I	j	j	●	●^{0}	●	●^{0}	...	...	c●^{0}, ●^{0}m$_0$ *a* : ci●^{0}, c *p* : bc, c⌓ *n*.
15	Stcu	Stcu	Cu: Stcu: Ci	10	10	9	9	9	9	I	j	I	k	l	k	...	...	p●^{0}	...	...	...	c⌓, p●m$_0$ *a* : p●, c *p* : c *n*
16	Frnb: Nbst	Frnb	Frnb: Nbst	10	10	10	10	10	10	j	I	I	I	I	I	●	●	✷	●	●^{0}	●	c●m$_0$, ✷m$_0$ *a* : c✷, ●^{0}m$_0$ *p* : c●^{0}, ●m$_0$ *n*.
17	Frnb: Nbst	Cunb: Acu: Ast	Stcu: Ast: Acu	10	9	9	10	9	9	I	j	j	j	k	k	●	●^{0}	...	●^{0}	...	...	c●m$_0$, p●▲⊤ *a* : c●, ✷ *p* : c, bc *n*.
18	Stcu	Cunb: Stcu	Frnb: Cunb	9	9	9	8	10	10	j	k	j	j	j	j	...	...	...	...	p●^{0}	...	cp●^{0} *a* : cp●^{0} *p* : c●^{0}, c *n*.
19	Frst: St	Cu: Stcu	Stcu: Acu	10	4	9	8	9	10	I	j	j	j	I	h	...	...	...	...	...	...	cm$_0$, bc *a* : c, cy *p* : cz$_0$, cm$_0$ *n*.
20	St:Stcu	Cunb: Frnb: Cu	Frnb: Ast	10	10	10	9	10	10	I	I	I	k	I	I	...	●	●^{2}	...	p●	●	c●, i●^{2}m$_0$ *a* : cp● *p* : c●m$_0$ *n*.
21	St: Stcu	Cu: Stcu	Cunb: Acu: Ci	2	6	7	5	8	5	j	k	k	l	k	j	...	...	...	...	...	...	b, bcy *a* : p●^{0}, bcy *p* : c ≺p●, bc *n*.
22	St: Stcu	Frnb: Cunb: Ci	Cunb: Cu: Ast	10	9	9	9	10	10	I	j	j	k	j	I	...	...	p●^{0}	...	●	...	cm$_0$, c⊤p●^{0} *a* : cp●Ʀ, i● *p* : c●, cm$_0$ *n*.
23	Frnb: Nbst	Frst: Ast	Stcu: Acu: Ast	10	10	10	10	10	10	I	j	j	k	l	k	●	●^{0}	...	...	...	...	c●, ●^{0} *a* : ci●^{0}, c *p* : c *n*.
24	Stcu: Ast: Acu	Cu: Stcu	Cu: Stcu: Ci	10	7	7	6	4	1	k	k	k	k	k	k	...	...	...	...	...	...	cp●▲, bc *a* : bc *p* : bc, b *n*.
25	St: Stcu	Cu: Stcu	Stcu: Acu	10	9	9	9	7	7	k	k	k	k	k	k	...	●^{0}	...	...	...	...	ci●^{0}, c *a* : c, bc *p* : bc *n*.
26	Stcu	Stcu	Stcu	9	3	9	10	10	10	k	k	k	k	k	k	...	...	...	...	...	...	c, bc *a* : c *p and n*.
27	St	Stcu	Frcu: Ci	10	10	9	2	1	9	l	l	j	k	l	k	...	...	...	...	...	...	o, c *a* : bc, b *p* : bc, c *n*.
28	Fog	St: Stcu	Cu: Stcu	10	10	10	9	8	2	E	E	j	I	j	h	...	...	...	...	...	...	ofe, om, c *a* : cm$_0$, bc *p* : bc, bm$_0$⌓ *n*.
29	St	Cu: Stcu	Cu: Stcu	10	9	9	7	9	4	h	h	j	k	I	j	...	...	...	...	...	...	om⌓, bc *a* : bcy, cyz$_0$ *p* : cyz$_0$, bc⌓ *n*.
30	Fog	Cu: Stcu	Frst: Stcu	10	10	9	9	10	9	D	h	j	j	I	I	...	...	...	p●^{0}	●^{0}	...	oFe, bc *a* : cp●^{0}m$_0$ *p* : c●^{0}, cm$_0$ *n*.
Mean Cloud Am'nt.				8·1	7·4	8·5	8·1	7·7	6·7													
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	13b	15h	18h	21h	Remarks on the Weather of the Day.

257. ESKDALEMUIR MAY, 1935

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: Acu	Cu: Stcu	Stcu	9	9	9	6	3	7	j	j	k	k	I	I	...	...	...	...	...	...	c, *a* : c, by *p* : b, bcm$_0$ *n*.
2	St	Cu: Ast: Acu	Stcu: Ast: Acu	10	10	9	9	8	2	F	h	I	j	I	h	...	...	p●^{0}	...	...	...	of early, cp●^{0}m$_0$ *a* : p●^{0}m$_0$, cz$_0$ *p* : c, bm$_0$⌓ *n*
3	Stcu	Cu: Stcu:Acu	Stcu: Ast: Acu	9	8	9	9	9	9	h	I	k	k	j	j	...	...	...	...	...	...	c⌓, bcy *a* : cy, c *p* : c *n*.
4	Stcu: Acu: Ci	Cu: Ci	Ci	9	4	5	4	9	9	j	k	j	I	I	I	...	...	...	...	...	...	c, bcy *a* : bcyz$_0$ *p* : cyz$_0$ *n*.
5	Acu	Ci	Acu: Ci	2	2	1	3	6	8	j	j	j	j	j	j	...	...	...	...	...	...	b, by *a* : bcy *p* : bcy, c *n*.
6	Ci	Cu: Stcu	Cu: Stcu:Ci	3	2	4	6	6	9	j	I	I	I	j	j	...	...	...	...	...	...	bc, bcyz$_0$ *a* : bcyz$_0$, *p* : bc, c *n*.
7	St: Acu: Ci	Cu	---	8	8	1	1	0	1	I	I	k	k	m	m	...	...	...	...	...	...	cm$_0$, b *a* : b, by *p* : b, b⌓ *n*.
8	St: Stcu	Frcu: Acu:Cist	Acu: Cicu	9	2	2	4	4	1	k	l	m	l	l	k	...	...	...	...	...	...	bc, by⊕ *a* : by⊕, bc *p* : bc, b⌓ *n*.
9	St	Stcu	Stcu	10	10	8	8	7	8	I	I	l	l	k	k	...	...	...	...	...	...	o, c *a* : c, bc *p* : bc, c *n*.
10	St	Cu: Stcu: Acu	St: Stcu	10	10	7	9	9	5	I	I	k	k	I	k	...	...	...	...	...	...	om$_0$, id$_0$, bc *a* : bc, c *p* : c, bc *n*.
11	Frcu	Frcu: Stcu:Acu	Stcu: Acu	1	2	5	2	2	9	m	m	l	l	m	m	...	...	...	...	...	...	b, bcy *a* : bcy, by *p* : by, c *n*.
12	Frcu: Cu	Cu: Stcu	Frst: Cu: Stcu	7	3	8	9	9	9	m	m	m	m	m	m	p●^{0}	...	...	...	...	...	bcp●^{0}, bcy *a* : bcy, c *p* : cp●^{0}, c *n*.
13	Stcu	Cu: Stcu: Ci	Frnb: Ast	9	3	9	8	10	10	m	m	k	k	l	k	...	...	...	...	●^{0}	●	bc, c *a* : cy, c●^{0} *p* : c●^{0}, ● *n*.
14	Cunb: Frnb	Cu: Stcu	Frcu	7	3	3	3	1	1	j	l	l	l	m	m	p✱^{0}	...	...	...	...	...	bcp✱^{0}, p✱▲ *a* : bcy, by *p* : by, b⌓ *n*.
15	Cist: Ci	Frnb: Nbst	Frnb: Nbst	9	9	10	10	10	8	l	m	I	I	j	l	...	...	✶	●^{0}	●^{0}	...	c⊔, ●^{0}, ✱, ✶m$_0$ *a* : c●^{0}m$_0$ *p* : ●^{0}, c *n*.
16	Cu: Stcu	Cu: Stcu	Cu: Stcu: Ci	4	8	4	5	9	10	m	m	l	l	l	k	p✱^{0}	...	...	...	...	p●^{0}	p✱^{0}, bcy *a* : bcy, cy *p* : cy, p●^{0} *n*.
17	Frst: Ci	Cu: Stcu	Stcu: Ci	1	1	9	9	9	10	m	m	m	m	k	k	...	...	...	...	...	p●^{0}	⊠ 3 cm. b, c *a* : p✱^{0}, p✶^{0}, c *p* : cp●^{0} *n*.
18	Cu: Stcu	Cu: Frcu: Ci	Cu: Stcu: Ci	4	2	5	6	7	9	k	k	l	l	l	l	...	...	...	...	...	...	by, bcy *a* : bcy, p●^{0} *p* : bc, cp● *n*.
19	Cu: Acu: Ci	Cu: Stcu: Ci	Stcu: Ci	9	7	8	8	7	6	l	l	l	l	l	l	...	...	...	...	...	...	c, bcy *a* : cy, bc *p* : bc *n*.
20	Cu: Stcu: Ci	Cu: Ci	Cu	5	8	4	4	1	2	k	k	j	j	l	l	...	...	...	...	...	...	bc, c *a* : bcy, by *p* : by, b *n*.
21	Cu: Stcu: Ci	Cu	Cu: Ci	3	1	3	4	2	3	k	l	l	l	l	l	...	...	...	...	...	...	bc, bcy *a* : bcy, by *p* : by, bc *n*.
22	Acu	Stcu: Acu	Cu: Stcu	2	4	7	7	6	3	l	m	l	l	l	m	...	...	...	...	...	...	b, bcy *a* : bcy, bc *p* : bc *n*.
23	Stcu: Acu	Stcu	Stcu: Ci	7	9	9	7	1	1	m	m	l	l	m	l	...	...	...	...	...	...	bc, cy *a* : cy, by *p* : by, b *n*.
24	St: Stcu	Stcu	Cu	10	10	4	3	1	10	k	j	j	k	l	I	...	...	...	...	...	...	c, bc *a* : bc, b *p* : b, c *n*.
25	Stcu	Cu: Ci	Ci	10	7	1	1	1	4	j	j	l	m	m	k	...	...	...	...	...	...	c, by *a* : by *p* : by, bc *n*.
26	Stcu	Frcu	Ci	10	9	1	1	1	8	k	k	l	m	m	k	...	...	...	...	...	...	c, b *a* : b, by *p* : by, bc, c *n*.
27	Frst: Stcu	Frcu	Cu: Stcu	10	7	1	2	2	2	k	k	k	k	m	l	d^0	...	...	...	...	...	cd$_0$, b *a* : b, by *p* : by, b *n*.
28	Frst	Cu: Ast: Acu	Ast: Acu	1	1	2	2	3	9	l	l	k	l	m	h	...	...	...	...	...	...	b, c, by *a* : by, bc *p* : bc, b, cm$_0$ *n*.
29	St	Frcu	---	9	4	1	1	0	10	h	j	k	k	k	h	...	...	...	...	...	...	cm$_0$, bc, b *a* : b *p* : b, cm$_0$ *n*.
30	St	St	St	10	10	9	2	1	9	h	j	j	k	l	j	...	d$_0$	...	...	...	...	cm$_0$, od$_0$ *a* : c, b *p* : b, c *n*.
31	St	Frcu: Ci	---	9	1	1	3	0	1	k	l	l	l	l	k	...	...	...	...	...	...	c, by *a* : by, bcy *p* : by, b ♔ *n*.
Mean Cloud Am'nt.				7·0	5·6	5·1	5·0	4·6	6·2													

258. ESKDALEMUIR JUNE, 1935

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: Ci	Cu	Cu	6	3	5	4	1	3	k	k	l	l	l	j	...	...	...	...	...	...	b, bcy *a* : bcy, b *p* : b, bc *n*.
2	St: Stcu	Stcu: Ast	Frnb: Nbst	10	10	10	10	10	10	j	j	I	I	h	G	...	...	...	...	●	●	c, cz$_0$ *a* : ci●^{0}, ●m$_0$ *p* : ci●m$_0$ *n*.
3	St: Stcu	Cu: Stcu: Ci	Cu: Stcu: Ci	8	9	6	9	5	6	j	j	l	l	m	I	...	p●^{0}	...	...	...	...	cid$_0$, p●^{0}, bc *a* : c, bcq *p* : bcy, bcm$_0$ *n*.
4	Frnb: Nbst	Cunb: Cu: Ast	Frnb: Nbst	10	10	10	10	10	10	I	I	I	I	j	I	i●^{0}	...	...	i●^{0}	●	...	ci●^{0}, T, c *a* : c⚡●^{2}▲, ● *p* : c●, cm$_0$ *n*.
5	St: Stcu	Cunb: Cu	Cu:Stcu:Acu	10	10	9	10	8	10	I	j	j	I	l	k	...	...	...	●	...	...	cm$_0$, cT *a* : c⚡●m$_0$ *p* : c *n*.
6	St	Cunb: Cu: Cist	Frnb: Nbst	10	9	9	10	10	10	I	I	k	j	h	I	...	...	...	●^{0}	●	...	p●^{0}, cT *a* : ci●^{0}, ●m$_0$ *p* : c●m$_0$, cm$_0$ *n*.
7	Cu: Frnb	Cu: Stcu: Ci	Cu: Frnb	9	10	9	9	10	10	I	h	j	j	j	j	i●	●^{2}	...	i●^{0}	...	...	c●, T●^{2}, c *a* : ci●q *p* : cp●^{2}, c *n*.
8	Frnb	Frnb:Nbst	Cu: Stcu: Ci	10	10	10	9	9	3	j	j	j	k	l	l	d	d$_0$	●	p●^{0}	...	...	cd, d$_0$, ● *a* : ci●^{0}, p●^{0} *p* : c, bc *n*.
9	Stcu: Ci	Cu: Stcu	Cu: Acu: Ci	7	9	7	7	3	8	k	l	l	l	l	k	...	...	...	...	...	...	cy, bcy *a* : bcy, bc *p* : bc, c *n*.
10	Stcu: Ast: Acu	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10	10	j	j	I	I	I	I	...	...	●^{0}	●	●	●^{0}	c, c●^{0}m$_0$ *a* : c●^{0}, ●m$_0$ *p* : c●, ●^{0}m$_0$ *n*.
11	Cu: Stcu	Frnb: Nbst	Frst: Stcu	9	9	10	10	10	10	j	j	I	h	I	I	...	p●^{0}	●	●	...	●^{0}	cp●^{0}, p●▲, ●m$_0$ *a* : c●m$_0$ *p* : c●^{0}m$_0$ *n*.
12	Cu: Ast: Acu	Cu: Stcu	Cu: Stcu	9	9	9	7	9	9	j	k	l	l	l	k	...	p●^{0}	...	...	...	p●^{0}	cp●^{0}, p● *a* : c, bc *p* : c, cp●^{0} *n*.
13	Frnb: Cu	Cu: Stcu	Cu: Stcu	10	9	8	7	6	9	I	I	l	l	l	k	p●	p●^{0}	...	...	...	...	cp●, c *a* : c, bc *p* : bc, c *n*.
14	Cu: Acu: Ci	Cu: Stcu	Cu: Stcu	8	10	9	10	9	9	j	I	l	j	l	l	...	●^{0}	...	...	...	...	cp●^{0}, p●^{2} *a* : ci●, p●^{0} *p* : p●^{0}, bc *n*.
15	Cu: Acu: Ci	Cunb: Stcu:Ci	Cu: Stcu: Ci	9	9	7	6	2	3	j	j	l	m	m	m	...	p●^{0}	...	...	...	...	cp●^{0}, cjpy *a* : c, bcy *p* : by, bc *n*.
16	Cu: Stcu	Cunb: Ast: Ci	Frnb: Ast: Ci	8	9	8	9	8	8	j	l	l	l	m	l	...	...	p●^{0}	...	...	...	c, cp●^{0} *a* : cp●T *p* : ●^{2}, ●, c *n*.
17	Stcu: Acu	Cu: Stcu	Cu: Stcu: Acu	9	9	9	9	9	8	l	l	k	j	l	k	...	d$_0$	...	p●	...	...	cid$_0$, c *a* : cp●, p●^{0} *p* : c *n*.
18	Frnb: Nbst	Frnb: Nbst	Cu: Acu: Cicu	10	10	10	10	4	1	I	I	j	j	l	l	●^{0}	d$_0$	●^{0}	...	...	...	c●^{0}, d$_0$, i●^{0} *a* : c●^{0}, bc *p* : bc, b *n*.
19	Stcu: Ci	Cu: Stcu: Ci	Frnb: Ast	8	9	9	10	10	10	j	j	j	I	G	F	...	...	...	...	●^{0}	d	c *a* : c, ci●^{0}m$_0$ *p* : c●^{0}, dm$_0$ *n*.
20	Nbst	St	Cu: Stcu: Ci	10	10	10	10	3	9	F	I	h	h	k	G	●^{0}	●^{0}	d	...	...	...	o●^{0}, ●, dm$_0$ *a* : odm$_0$, bc *p* : bc, cm$_0$ *n*.
21	Frnb:Nbst	St	Fog	10	10	10	10	10	10	I	F	E	C	C	C	●^{0}	d$_0$	d$_0$	...	...	...	c●^{0}, cd$_0$f *a* : cd$_0$f, oFe *p* : oFe *n*.
22	St	Cu: Stcu	Cu: Stcu	9	9	7	8	7	8	I	j	j	j	j	j	...	...	...	...	...	...	cm$_0$, bc *a* : bc, c *p* : bc, c *n*.
23	St	Cu	Cunb:Cist	10	10	7	6	9	10	I	I	I	I	I	I	...	...	...	...	...	...	cm$_0$, bcz$_0$ *a* : bcz$_0$, cz$_0$ *p* : cz$_0$, cT, ⚡●^{0} *n*.
24	St: Stcu: Ast	Cist	Cu: Cist	10	9	9	8	8	10	I	I	I	I	I	I	...	...	...	...	...	...	c⚡, cz$_0$⊕ *a* : cz$_0$ *p* : cz$_0$, om$_0$ *n*.
25	St	St	Cu: Stcu:Cicu	10	9	9	7	5	10	h	I	I	I	j	G	...	...	...	...	...	...	o, bc, cm$_0$ *a* : cm$_0$, bc *p* : bc, om$_0$ *n*.
26	St	Fog	Cu: Stcu	10	10	10	10	9	10	I	I	E	j	k	G	...	●^{0}	●^{0}	...	...	d$_0$	o, c●^{0}m$_0$, c●^{0}f *a* : cf, c●, c *p* : c, cd$_0$m$_0$ *n*.
27	St	St	Cu: Ast:Acu	10	10	10	10	9	10	I	G	F	I	l	I	d	d	d$_0$	...	p●^{0}	d$_0$	od, d$_0$m$_0$ *a* : od$_0$, i●m$_0$ *p* : p●^{0}, cd$_0$m$_0$ *n*.
28	St: Stcu	Cu: Stcu	Cu: Stcu: Ci	10	9	9	9	9	9	k	l	l	l	l	I	...	...	...	...	...	...	c *a and p* : c, cm$_0$ *n*.
29	Cu: Acu	Cu	Cu: Ci	1	5	1	1	1	3	l	l	k	l	l	l	...	...	...	...	...	...	bc, b *a* : by *p* : by, bc *n*.
30	St	St: Stcu: Acu	Cu: Acu: Ci	10	10	9	8	8	7	h	j	k	k	k	k	i●^{0}	...	...	...	...	...	ci●^{0}, ● *a* : c, bc *p* : c, bc *n*.
Mean Cloud Am'nt.				9·0	9·1	8·5	8·4	7·4	8·1													

259. ESKDALEMUIR JULY, 1935

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	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10	10	h	h	I	I	j	I	●^{0}	●	●^{0}	●^{0}	●	d$_0$	c●, ●^{0}m$_0$ *a* : c●^{0}, ●m$_0$ *p* : c●, d$_0$m$_0$ *n*.
2	St: Stcu	Cu: Stcu	Cu: Frnb	9	5	9	6	9	6	I	j	k	k	j	k	...	...	...	...	●^{0}	...	cp●^{0}, bc *a* : bc, c●, i●^{2} *p* : cp●, bc *n*.
3	Cu: Acu: Ci	Cu: Acu: Ci	Frnb: Nbst	7	8	9	9	10	10	l	l	l	l	I	G	...	...	...	...	●^{0}	d	bc, c *a* : c●, ●^{0}m$_0$ *p* : c●^{0}, d$_0$m$_0$ *n*.
4	Cu: Stcu	Stcu: Ast: Acu	St: Stcu	9	8	9	10	10	10	l	l	k	j	I	I	...	...	p●^{0}	●^{0}	...	●^{0}	c, cp●^{0} *a* : cp●^{0}, i●^{0} *p* : ci●^{0}m$_0$ *n*.
5	Frnb: Nbst	Cu:Stcu: Ci	Cu: Stcu	10	8	9	7	8	6	I	k	l	l	l	l	●^{0}	...	p●^{0}	...	...	...	ci●^{0}m$_0$, p●^{0} *a* : cp●, bc *p* : p●^{0}, bc *n*.
6	Stcu:Ast: Acu	Cu:Ast: Acu	Stcu:Ast:Acu	9	9	9	9	5	1	k	k	k	k	k	k	...	...	...	...	...	...	c *a* : c, bc *p* : bc, b *n*.
7	Frcu: Ci	Frcu:Stcu	Cu: Stcu	1	2	6	8	1	0	k	k	k	k	k	j	...	...	...	...	...	...	b⌓, bcy *a* : bcy, by *p* : by, b *n*.
8	---	Cu	---	0	0	4	2	0	3	j	j	j	j	j	j	...	...	...	...	...	...	b⌓, bcy *a* : bcy, by *p* : by, bc *n*.
9	---	Cu: Ci	Ci	0	1	6	2	3	3	j	j	j	j	j	k	...	...	...	...	...	...	b⌓, bc *a* : bc, by *p* : bcy, bc *n*.
10	St	St: Stcu	Stcu	10	10	10	10	9	2	h	h	h	h	k	k	d	d$_0$	d	d	...	...	odm$_0$ *a* : cd, d$_0$m$_0$ *p* : c, b *n*.
11	Ci	Cu:Stcu: Ci	Cu: Stcu	6	6	4	5	1	2	m	m	l	l	l	k	...	...	...	...	...	...	bc, bcy *a* : bcy, by *p* : by, b *n*.
12	Ci	Frcu	Cunb: Acu	1	0	1	2	1	8	k	j	j	j	j	h	...	...	...	...	...	...	b⌓, b *a* : b, by *p* : by, cm$_0$ *n*.
13	St: Stcu	Cu: Ci	Cu:Stcu:Ci	9	9	4	3	5	4	I	I	j	j	l	l	...	...	...	...	...	...	cm$_0$, bc *a* : bcy, bc *p* : bc, bc⌓ *n*.
14	St: Stcu: Ast	St: Stcu: Ast	St: Stcu	10	10	10	10	10	10	l	l	j	I	j	I	...	...	...	...	...	...	ci●^{0}, c *a* : cp●^{0} *p* : c, cm$_0$ *n*.
15	St: Stcu: Acu	Cu: Ci	Ast: Acu: Ci	9	7	7	7	7	7	j	j	k	l	l	l	...	...	...	...	...	...	c, bc *a* : bc, bcy *p* : bcy, bc *n*.
16	Stcu	Stcu	St: Stcu	10	9	10	10	9	10	j	k	k	j	j	I	...	...	...	d$_0$	...	i●	c *a* : cid$_0$ *p* : cid$_0$, i●^{2} *n*.
17	Cu: Stcu: Ci	Cu: Stcu: Acu	Cu: Stcu	6	10	7	7	4	4	l	l	l	l	l	l	...	●^{0}	p●^{0}	...	...	...	bc, cp●, p●^{0} *a* : bcp●^{0}, bcy *p* : bc *n*.
18	Stcu: Acu: Ci	Cunb: Frnb: Ci	Cu: Stcu	8	8	8	8	5	5	k	k	k	k	k	k	...	...	p●	...	...	p●^{2}	bc, cp●^{2}, p● *a* : cp●^{2}, bc *p* : bc, p●^{2} *n*.
19	St: Stcu	Cu: Ast: Acu	Frnb	8	9	9	10	10	10	j	l	l	j	j	h	...	...	...	●^{0}	●	...	c *a* : c●^{0}, ● *p* : o●^{0}, ●m$_0$ *n*.
20	Stcu	Cu: Stcu: Ci	Cu: Stcu	9	9	7	7	6	1	j	j	l	l	l	l	...	...	...	...	...	...	cp●^{0}, bc *a* : bc, p●^{0} *p* : bc, b *n*.
21	Cu	Cu: Stcu: Ci	Cu: Acu: Ci	4	5	6	7	4	1	l	l	l	l	l	l	...	...	...	...	...	...	bc, bcy, *a* : bcy *p* : bcy, b *n*.
22	St: Acu	St	St: Stcu:Ci	9	10	10	9	8	8	j	G	F	j	k	j	...	d$_0$	d$_0$	...	...	...	c, od$_0$, id$_0$m$_0$ *a* : id$_0$m$_0$, c *p* : bc, c *n*.
23	St: Acu	Cu: Stcu: Acu	St:Stcu	8	7	8	9	10	9	h	j	l	l	l	I	...	...	...	...	d$_0$	...	cm$_0$, bc, c *a* : c, cid$_0$ *p* : cd$_0$, cp●m$_0$ *n*.
24	Stcu: Ci	Cu: Ci	Cu: Ci	3	4	5	5	4	3	l	l	l	l	l	l	...	...	...	...	...	...	bc, bcy *a* : bcy *p* : bcy, bc *n*.
25	Ci	Cu: Stcu	Cu:Stcu: Acu	4	6	9	9	9	8	l	l	l	l	l	l	...	...	...	...	...	...	bc, c *a* : c *p and n*.
26	Cu: Acu: Ci	Cu: Stcu: Ci	St: Stcu	9	9	9	8	10	10	l	l	l	l	h	G	...	...	...	...	d$_0$	d$_0$	c *a* : c, cid$_0$m$_0$ *p* : cidm$_0$ *n*.
27	St: Stcu	Frnb: Nbst	St: Stcu	10	10	10	10	9	5	j	j	G	G	l	k	...	●^{0}	●^{0}	●^{0}	...	...	c●, ●^{0}m$_0$ *a* : c●^{0}, i●^{0}m$_0$ *p* : cp●^{0}, bc *n*.
28	St: Stcu	St: Stcu	St: Stcu: Ci	8	8	9	9	7	5	l	l	l	l	l	l	...	...	...	...	...	...	cp●^{0} *a* : cp●^{0}, bc *p* : bc *n*.
29	Frcu: Acu	Stcu	Cu: Stcu: Ci	1	3	7	6	5	7	m	l	k	l	l	l	...	...	...	...	...	...	b, bcy *a* : bcy *p* : bcy, bc *n*.
30	---	Cu	Stcu: Ci	0	0	1	1	1	1	l	m	l	l	m	l	...	...	...	...	...	...	b⌓, by *a* : by *p* : by. b *n*.
31	---	Ci	Ci: Cist	0	1	1	1	3	6	l	l	l	l	l	l	...	...	...	...	...	...	b⌓, by *a* : by, bcy *p* : bcy, bc *n*.
Mean Cloud Am'nt.				6·4	6·5	7·2	7·0	6·2	5·6													

260. ESKDALEMUIR AUGUST, 1935

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	Acu: Cist	Cu: Acu: Cicu	Cu: Acu: Ci	9	8	7	9	8	4	j	j	j	j	j	j	...	...	...	...	...	...	c⌓, bcy *a* : bcy, c *p* : c, bc *n*.
2	Frcu: Ci	Cu: Stcu: Ci	Cu: Stcu	1	4	7	6	5	1	l	l	k	k	l	l	...	...	...	...	...	...	b⌓, bc *a* : bc *p* : bc, b *n*.
3	Stcu: Acu	Cu: Ci	Cu: Stcu:Acu	10	3	6	5	5	1	j	j	l	l	l	k	...	...	...	...	...	...	c⌓, bcy *a* : bcy, bc *p* : bc, b⌓ *n*.
4	St	Cu: Stcu	Stcu: Ast	10	9	9	9	10	10	j	j	l	l	k	j	d$_0$	...	...	...	...	...	cd$_0$, c *a* : c, ci●^{0} *p* : c *n*.
5	St	Frcu: Stcu: Ast	Stcu	9	10	10	10	9	9	j	j	j	j	j	j	...	...	●^{0}	●^{0}	...	...	c, ci●^{0} *a* : ci●^{0}, c *p* : c, bc, c *n*.
6	St: Stcu	Cu: Stcu	Cu: Stcu	2	9	9	4	5	0	j	j	j	k	k	k	...	...	...	...	...	...	b⌓, bc, c *a* : c, bc *p* : bc, b⌓ *n*.
7	Fog	Stcu	Stcu	10	10	9	7	9	9	D	h	I	j	j	I	...	...	...	...	...	...	oFe, cm$_0$ *a* : cm$_0$, bc *p* : c, cm$_0$ *n*.
8	St	Cu: Acu: Ci	Cu: Stcu: Ci	10	10	9	5	9	9	h	h	j	k	j	I	...	...	...	...	...	...	om$_0$, c *a* : c, bc *p* : c, cm$_0$ *n*.
9	Stcu: Cist	Cu: Stcu:Ci	Cu: Acu: Ci	8	2	8	8	9	9	l	l	k	k	l	k	...	...	...	...	...	...	c⌓, b, c *a* : c *p* : c *n*.
10	St. Stcu	Stcu: Acu:Ci	St:Stcu	9	10	8	10	10	10	j	j	k	j	j	I	...	...	...	...	...	d$_0$	c *a and p* : c, cd$_0$m$_0$ *n*.
11	St	Cu: Frnb	Frnb: Nbst	10	10	9	10	10	10	h	h	j	G	h	h	...	●^{0}	...	●	●	●	om$_0$, c●, i● *a* : ci●, ●m$_0$ *p* : c●, i●^{2}m$_0$ *n*.
12	Cu: Acu: Ci	Cu: Stcu	Cu: Stcu	7	5	7	8	6	2	k	k	k	l	l	l	...	...	...	...	...	...	bc, bcy *a* : cy, bc *p* : bc, b⌓ *n*.
13	Cu: Stcu	Cu: Stcu: Ci	Stcu	9	2	9	8	9	9	l	l	l	l	l	l	...	...	...	...	...	...	c⌓, b, c⊕ *a* : c⊕, c *p* : cp●^{0}, c *n*.
14	Stcu: Ci	Stcu	Stcu	9	9	9	10	9	4	j	k	l	k	l	l	...	...	...	...	...	...	c *a* : c, cp●^{0} *p* : cp●^{0}, bc *n*.
15	St: Stcu	Stcu	Stcu: Ci	10	9	10	9	7	3	j	l	l	l	l	l	p●^{0}	●^{0}	...	...	...	...	p●^{0}, ci●^{0}, c *a* : cy, bc *p* : bc, b⌓ *n*.
16	Frnb: Nbst	St: Stcu: Ast	St:Frst	10	10	9	9	9	10	G	G	j	j	I	C	●	●	...	...	d$_0$	...	c●, ●^{0}m$_0$, c *a* : cid$_0$m$_0$ *p* : cd$_0$, of, F *n*.
17	St	Cu: Stcu	Frst	10	10	9	10	9	9	G	F	k	G	h	h	d	d$_0$	...	d$_0$	...	...	od, f, d$_0$m$_0$ *a* : cd$_0$, ●, cid$_0$m$_0$ *p* : cm$_0$ *n*.
18	Frst	Cunb:Frnb:Ci	Cu: Stcu: Ci	9	9	9	4	3	10	h	j	k	k	m	h	d$_0$	...	...	...	...	...	cd$_0$m$_0$, p● *a* : c, bc *p* : bc, b, cm$_0$ *n*.
19	St	Cu: Stcu: Acu	St	10	9	9	9	10	10	F	j	k	k	I	C	d$_0$	...	...	...	...	d	od$_0$m$_0$, c *a* : c, cm$_0$ *p* : om$_0$, oFd *n*.
20	Fog	St	Cu	10	10	10	8	1	10	E	G	j	k	l	F	...	...	...	...	...	...	of. id$_0$m$_0$ *a* : o, bc, b *p* : b, om *n*.
21	Acu	Cu: Stcu	Cu:Acu: Ci	1	1	5	9	6	1	j	j	j	j	l	l	...	...	...	p●^{0}	...	...	b, bc *a* : bc, cp●^{0} *p* : bc, b⌓ *n*.
22	Stcu: Ci	St	Acu: Cicu	6	9	10	10	6	3	j	j	j	j	j	j	...	...	...	...	...	...	bc⌓, o *a* : o, bc *p* : bc, b⌓ *n*
23	Cist: Ci	Stcu	St: Stcu: Ast	2	2	10	9	10	10	k	k	k	k	I	h	...	...	...	●^{0}	...	●^{0}	b⌓, c *a* : ci●^{0}, cm$_0$ *p* : c●^{0}m$_0$ *n*.
24	St: Acu: Ci	Stcu: Ci	Stcu	9	9	4	5	8	10	I	I	j	j	j	i	...	...	...	...	...	...	cm$_0$, bc *a* : bc, c *p* : c, cm$_0$ *n*.
25	St	St	St: Stcu	10	10	10	9	8	10	I	G	I	I	I	G	...	...	...	...	...	...	om$_0$, id$_0$m$_0$ *a* : id$_0$m$_0$, cm$_0$ *p* : cm$_0$, om$_0$ *n*.
26	Frnb	St: Stcu: Ast	Nbst	10	10	9	10	10	10	h	I	j	I	h	h	●	●	...	●^{0}	●^{2}	●^{2}	o●, ●^{0}m$_0$, c *a* : c●^{0}, ●^{2}m$_0$ *p* : o●^{2}m$_0$ *n*.
27	St: Stcu: Acu	Cu: Stcu	Cu: Stcu	1	1	7	3	4	1	k	k	k	l	l	k	...	...	...	...	...	...	b, bcy *a* : by, p●^{0}, bc *p* : bc, b⌓ *n*.
28	St: Stcu: Ci	Cunb: Stcu: Ci	Cu: Acu: Cist	1	3	7	9	9	10	j	k	k	k	k	j	...	...	...	p●^{0}	...	...	b⌓, p●^{0}, bcy *a* : bcy, cp●^{0} *p* : c *n*.
29	Frst: Ast:Cist	Cunb:Cu: Stcu	Cu: Acu: Ci	9	9	8	6	7	9	j	j	l	l	l	l	●^{0}	...	...	...	...	p●^{0}	c●^{0}, cy *a* : cy, bc *p* : bc, cp●^{0} *n*.
30	St: Stcu	Frnb	Frnb: Nbst	9	9	10	10	10	10	j	h	j	I	I	I	...	●^{0}	●^{2}	●	●	●	ci●, i●^{0}, ●^{2} *a* : ci●^{2}, ●m$_0$ *p* : c●, ●^{2}m$_0$ *n*.
31	St: Stcu	Cu: Stcu	Cu: Stcu	9	10	9	9	9	9	j	j	l	l	k	k	...	...	...	...	...	...	c●^{0} early, c *a*, *p and n*.
Mean Cloud Am'nt.				7·7	7·5	8·4	8·0	7·7	7·2													
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.

261. ESKDALEMUIR SEPTEMBER, 1935

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	Cu: Stcu: Ast	Frnb: Ast	10	9	10	10	10	10	I	k	k	j	I	I	...	●^{0}	...	...	●	●	cm$_0$, i●^{0} *a* : c●^{0}, ●m$_0$ *p* : c●^{0}, ●m$_0$ *n*.
2	Frst	St: Stcu	Frst: Ast: Acu	9	10	9	10	10	4	k	I	I	I	j	k	●^{0}	●	d	●^{0}	...	...	ci●^{0}, ●, dm$_0$ *a* : cd, i●^{0}m$_0$ *p* : ci●^{0}, bc *n*.
3	St: Stcu	Cu: Stcu	Cu: Stcu: Ci	9	8	9	8	8	7	j	k	k	k	l	l	...	...	...	p●^{0}	...	...	cp●, c *a* : cp● *p* : cp●^{2}q *n*.
4	Ci	Cu: Stcu: Ci	Cu: Stcu:Ci	5	8	9	8	5	2	E	k	k	k	l	l	...	...	...	...	...	...	bcfe, c *a* : c, bc *p* : bc, b *n* : ♛ 2200.
5	Cu: Stcu	Cunb: Stcu	Cu: Stcu:Acu	8	8	9	5	5	4	k	k	k	l	k	k	...	...	...	...	...	...	c⌓, cp●^{0} *a* : bcy, bc *p* : bc *n*.
6	Stcu: Ci	Cu	Cu: Stcu	5	2	6	7	4	1	j	k	k	k	k	k	...	...	...	...	...	...	bc⌓, bcy *a* : bcy, bc *p* : bc, b⌓ *n*.
7	Cu: Stcu: Ci	Cu: Stcu	Cu: Stcu: Ci	6	5	6	2	2	2	k	k	k	k	m	k	...	...	...	...	...	...	bc⌓, bcy *a* : by, b *p* : b, b⌓ *n*.
8	Stcu: Acu: Ci	Cu: Stcu: Acu	Stcu: Ci	3	8	6	7	6	6	m	l	l	l	I	j	...	...	...	...	...	...	b⊔, bcy *a* : bcy, bcz$_0$ *p* : bcz$_0$, bc *n*.
9	Ast: Acu: Ci	Cu: Stcu:Cist	St: Stcu	9	9	10	10	10	2	k	k	j	j	I	j	...	...	...	...	...	...	c⊕, c *a* : c, cm$_0$ *p* : cm$_0$, b *n*.
10	St	St: Stcu: Ast	Cu: Stcu: Acu	10	10	10	10	9	6	I	h	I	I	h	I	...	...	...	...	...	...	od$_0$m$_0$, cm$_0$ *a* : cp●^{0} *p* : cm$_0$, bcm$_0$⌓ *n*.
11	St: Stcu	Cu: Stcu: Acu	Stcu: Acu:Ci	10	9	9	7	9	8	G	h	j	j	j	j	...	...	...	...	...	...	cp●^{0}, bc *a* : c, bc *p* : c *n*.
12	Ast: Acu	Stcu: Ast	St: Stcu	10	10	10	10	10	9	h	h	I	I	I	h	...	...	...	●^{0}	...	...	cm$_0$, cz$_0$ *a* : cz$_0$, ●^{0}, cm$_0$ *p* : cm$_0$ *n*.
13	Frst	Stcu	Frst: Stcu	9	9	8	7	9	9	j	I	j	j	j	j	...	p●	...	...	p●^{0}	...	cp●, c *a* : cp●^{2} *p* : c●, ●^{0}q *n*.
14	St: Stcu	Frnb: Cu: Stcu	Frst:Stcu: Ci	10	9	9	9	8	5	j	j	k	k	k	k	...	...	●	...	...	...	K̅●^{2} early, ci● *a* : cp●^{0} *p* : bcp●^{0}, bc *n*.
15	Frnb: Stcu	Frnb: Stcu:Cist	Stcu: Acu: Ci	9	10	9	9	5	9	I	I	j	j	k	k	●^{0}	●	...	p●	...	...	c●^{0}, i● *a* : cp●, p●^{2}, bc *p* : bc, cp● *n*.
16	Frst: Stcu	Frst: Stcu	Frst: Nbst: Ast	9	9	9	10	10	10	I	j	j	j	j	I	...	...	p●^{0}	...	p●	●^{0}	cp●^{0} *a* : cp●^{0}, p● *p* : c●^{0}m$_0$ *n*.
17	Frnb: Cunb: Ci	Cu: Stcu: Ci	Cu: Stcu: Ci	7	10	9	7	9	8	I	I	l	l	k	k	p●^{0}	●^{0}	...	...	...	p●	bcp●^{0}, c●^{0} *a* : cp●^{0}, bc *p* : cp●^{0}, p● *n*.
18	Frst: Acu	Cu: Stcu: Ci	Frst: Ast: Cist	9	10	9	9	9	10	k	j	k	k	j	j	●	...	...	...	...	●^{0}	ci●^{0}, p●^{2} *a* : cp● *p* : c●^{0} *n*.
19	Frst: Stcu	Cu: Stcu	Cu: Stcu	9	10	9	8	9	9	j	I	j	j	k	k	...	●^{0}	...	p●^{0}	...	...	c●^{0}, ●, p●^{0} *a* : cp●, p●^{0} *p* : c *n*.
20	Frst: Stcu	Cu:Stcu: Ci	Cu: Stcu	9	9	5	5	1	1	k	k	k	k	k	k	...	...	p●^{0}	...	...	...	cp●^{0}, bc *a* : bcp●^{0}, bcy *p* : b *n*.
21	Stcu	Stcu: Ast	St: Stcu: Ast	7	10	10	10	10	9	k	k	k	k	k	k	...	...	...	...	...	...	bc⊔, c *a* : cp●^{0} *p* : c *n*.
22	St: Frst: Ast	Stcu	Frst: Cu: Ci	10	10	10	9	9	1	G	h	j	k	k	k	d$_0$	d$_0$	...	...	...	...	cd$_0$m$_0$, c *a* : cd$_0$, bc *p* : c, bc, b *n*.
23	Stcu	Cu: Stcu: Ci	Frcu: Ast: Acu	5	8	7	6	8	2	k	k	k	k	k	k	...	...	...	...	...	...	c, bc *a* : bcp●^{0}, c *p* : c, b♛ glow *n*.
24	Stcu: Acu: Ci	Frst: Stcu:Ast	St: Stcu: Ast	8	8	10	10	10	5	k	k	k	k	j	k	...	...	●^{0}	...	●^{0}	...	c⌓, bc, ci●^{0} *a* : ci●^{0} *p* : c●^{0}, bc♛ *n*.
25	Stcu	Cu: Stcu	Cu: Stcu: Ci	4	5	5	5	4	1	l	l	j	j	j	j	...	...	...	...	...	...	bc⌓, bcy *a* : bcy, bc *p* : bc, b⌓ *n*.
26	Ast: Acu: Ci	St: Stcu	Frnb: Nbst	9	10	10	10	10	10	k	k	j	j	g	f	...	...	...	...	●	●^{0}	c⊔, cp●^{0} *a* : ci●^{0}, ●m$_0$ *p* : c●, ●^{0}m$_0$ *n*.
27	Frst: Stcu	Cu: Acu: Ci	Stcu: Acu: Ci	10	9	7	7	8	9	j	j	j	j	j	I	...	...	...	...	...	d$_0$	c, bc *a* : bc, cp● *p* : c, cd$_0$m$_0$ *n*.
28	Frst: Ast	Frnb	Frst: Nbst	10	10	10	10	9	10	I	h	h	l	l	l	●^{0}	●^{0}	●^{0}	...	●^{0}	...	c●^{0}, ●m$_0$ *a* : c●^{0}, ●, i●() *p* : c●^{0} (), c *n*.
29	Ci	Cu:Stcu: Cist	St: Stcu: Acu	4	7	9	9	9	10	D	k	k	k	j	h	...	...	...	...	...	●	bcfe, c *a* : cp●^{0} *p* : c●m$_0$ *n*.
30	Frst: Ast: Acu	Cunb: Acu: Ci	Cunb:Frnb:Ci	9	8	7	5	2	2	j	k	l	l	l	l	●^{0}	...	...	...	...	...	c●^{0}, i●^{0}, bc *a* : p●▲, bc *p* : cp▲^{2}●^{2}, b *n*.
Mean Cloud Am'nt.				8·0	8·6	8·5	8·0	7·6	6·0													

262. ESKDALEMUIR OCTOBER, 1935

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	Cunb: Cu: Ci	Cu: Stcu: Ci	10	9	6	5	2	0	I	j	k	k	k	k	●	●^{0}	...	...	...	...	c●, p●, bc *a* : bcp●^{0} *p* : b, b⌓ *n*.
2	St: Stcu	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10	10	j	j	I	G	I	h	...	...	●^{0}	●^{0}	●^{0}	●	cp●^{0}, ●^{0}m$_0$ *a* : c●^{0}m$_0$ *p* : c●^{0}, ●m$_0$ *n*.
3	Frnb	Cu: Stcu: Ci	Stcu: Ci	10	10	8	8	7	3	j	j	k	k	k	j	●^{0}	...	...	...	...	...	ci●^{0}, c *a* : c, bc *p* : bc⌓ *n*.
4	Ci	Cu: Stcu:Ci	Stcu:Acu	1	1	3	4	9	8	j	h	j	j	h	h	...	...	...	...	...	...	b⊔, bc *a* : bc, cm$_0$ *p* : c, bc, cm$_0$ *n*.
5	Frnb: Nbst	Frnb: Nbst	Stcu: Ci	10	10	9	9	8	4	j	I	j	k	k	k	●	●	●^{0}	...	...	...	c●, ●^{0}m$_0$ *a* : ci●^{0}m$_0$ *p* : c, bc *n*.
6	Stcu: Cicu:Ci	Stcu	Stcu: Acu:Ci	7	9	9	9	7	9	l	l	l	j	j	k	...	...	...	p●^{0}	...	...	bc⌓, cp●^{0} *a* : cp●^{0}, bc *p* : bc, c *n*.
7	Stcu	Cu: Frnb: Stcu	Stcu: Ci	9	10	9	8	9	10	k	k	j	k	k	k	...	...	...	...	...	...	c⌓, i●^{0} *a* : c, bc *p* : c *n*.
8	Frst	Cunb: Cu: Ci	Cunb: Stcu: Ci	9	9	3	6	7	2	j	k	l	l	m	l	...	...	...	...	...	...	cp●^{0}, p●^{2}, bc *a* : bcp●^{2}, p●▲() *p* : c(), b *n*.
9	Cunb: Acu: Ci	Frst:Frnb: Cu	Frnb: Ast	3	7	9	10	10	10	l	k	j	I	I	j	...	...	...	●^{0}	●^{0}	...	b⌓, p●^{0}, c *a* : c●^{0}m$_0$ *p* : c●^{0}m$_0$, c *n*.
10	Frst: Stcu: Ci	Cu: Frnb:Stcu	Frst:Stcu: Cist	5	9	9	9	9	9	l	j	l	j	k	k	...	●^{2}✱^{0}	...	...	...	...	bc, c●^{2}, ✱, ● *a* : bc, cp● *p* : cp●, c *n*.
11	Frst: Cu: Stcu	Frnb: Stcu: Cu	Cu: Stcu: Acu	9	9	9	9	7	2	j	j	k	k	k	k	...	p●^{0}	p●	...	...	...	bc, cp● *a* : cp●, p✱, bc *p* : bcp●^{0}, b *n*.
12	Stcu	Stcu	Stcu: Ast: Acu	1	8	10	10	9	9	l	k	k	k	j	k	...	...	...	...	...	...	b⊔, cp●^{0} *a* : cp●^{0} *p* : c *n*.
13	St: Stcu	Cu: Stcu	Frnb: Nbst	10	9	9	10	10	10	k	j	k	j	G	G	...	...	...	...	●	●	ci●^{0} *a* : ci●, ●ш m$_0$ *p* : c●m$_0$ш *n*.
14	Frst: Stcu: Ci	Stcu	Frst: Stcu	9	9	9	9	9	10	k	j	j	k	I	I	...	...	...	...	...	...	c *a* : c, cm$_0$ *p* : bc, cm$_0$ *n*.
15	Frst: Ast:Nbst	Frnb: Nbst	Frst: Nbst	10	10	10	10	10	10	I	I	h	I	h	h	●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	c●^{0}m$_0$ *a* : c●^{0}m$_0$ *p* : c●^{0}, i●m$_0$ *n*.
16	Frst: Stcu	Stcu	Stcu	9	9	9	9	3	9	k	l	k	l	j	j	p●^{0}	...	p●^{0}	...	...	p●^{0}	cp●^{0} *a* : cp●^{0}, bc *p* : bc, cp●^{0} *n*.
17	Frnb	Frnb: Nbst	Frst: Stcu	10	10	10	10	6	1	j	j	I	k	j	k	●^{0}	●^{0}	●	...	...	...	ci●, ●, i●^{2}m$_0$ *a* : c●m$_0$, p● *p* : bcp●^{0}, b *n*.
18	Cu: Acu: Ci	Frst: Stcu:Ast	St	5	10	10	10	10	10	l	l	j	G	G	G	...	...	...	●^{0}	...	●	bc⊔, id$_0$ *a* : c●^{0}m$_0$ш *p* : c●, i●^{2}m$_0$ш *n*.
19	Frnb	Stcu	St: Stcu: Acu	9	9	9	9	9	4	I	I	j	j	j	j	●	●	...	...	...	...	c●m$_0$ш, p●^{0} *a* : cш *p* : p●^{0}, bc *n*.
20	Frst: Acu: Ci	Cu: Stcu	Frst	6	4	4	4	1	0	k	k	l	l	l	l	...	...	...	...	...	...	bc⊔, bcy *a* : bcy, by⊔ *p* : b⊔ *n*.
21	Frst: Stcu:Acu	Frnb: Nbst	Stcu	9	9	10	9	8	1	k	m	j	I	j	k	...	...	●^{0}	●^{0}	...	...	c⊔, ✱^{0}, ●^{0} *a* : c●^{0}m$_0$, p●^{0} *p* : c, b⊔ *n*.
22	Ast: Acu	Frst: Ast: Acu	Stcu: Ast: Acu	7	10	9	9	9	8	m	l	l	l	j	j	...	...	...	...	...	...	bc, c⊔ *a* : c *p* *and* *n*.
23	Frst: Acu	Cu: Stcu: Acu	Nbst	7	7	9	10	10	10	j	h	I	I	G	G	...	...	...	...	●^{0}	●^{0}	bc⊔, cz$_0$ *a* : cz$_0$, o●^{0}m$_0$ *p* : o●^{0}m$_0$ *n*.
24	St	St	St	10	10	10	10	10	10	I	h	I	I	G	G	id$_0$	d$_0$	...	d$_0$	d$_0$	d	oid$_0$m$_0$, dm$_0$ *a* : od$_0$m$_0$ *p* : od$_0$, dm$_0$ *n*.
25	St	Cu: Stcu	Stcu	10	10	4	5	9	9	h	h	h	j	j	j	●^{0}	...	...	...	...	...	o●^{0}, cm$_0$ *a* : bcm$_0$, bc *p* : c *n*.
26	Frst	St	St: Stcu	10	10	10	10	10	8	G	F	G	I	j	j	d$_0$	d	d$_0$	d$_0$	...	id$_0$	odm$_0$..of, d$_0$m$_0$ *a* : od$_0$, d, c *p* : cid$_0$ *n*.
27	St	Frst: Ast	Frst: Ast	10	10	10	10	10	9	I	G	j	j	I	j	●^{0}	d	d$_0$	●^{0}	●^{0}	...	o●^{0}, od$_0$ *a* : od$_0$, c●^{0}m$_0$ *p* : ci●^{0}m$_0$ q *n*.
28	Frst: Acu: Ci	Stcu: Ast: Acu	St	3	7	9	10	10	10	m	l	m	j	j	j	...	...	...	●^{0}	●	●^{0}	bc, c *a* : c, ●^{0}, o● *p* : o●, c●^{0} *n*.
29	St: Stcu:Ast	Frst: Stcu	Cu: Stcu	10	10	8	7	4	5	j	h	l	l	l	k	...	d$_0$	...	...	...	...	i● early, cd$_0$, p● *a* : cp●^{2}, p✱q *p* : p✱^{0}, p✱ *n*.
30	St: Frst	Frnb: Nbst	St: Stcu	10	10	10	10	9	8	j	h	k	k	k	k	i●	●	●^{0}	●	...	...	ci●, ●^{0} *a* : c●, i●^{0} *p* : p●▲q, p● *n*.
31	Cu: Stcu	Cunb: Acu: Ci	Stcu	1	1	9	9	9	9	k	k	j	l	j	j	...	...	...	...	...	p●▲	b⊔, p●^{0}▲ *a* : p✱▲, p✱^{0}▲^{0} *p* : p●▲ *n*.
Mean Cloud Am'nt.				7·7	8·5	8·5	8·6	8·1	7·0													

263. ESKDALEMUIR NOVEMBER, 1935

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: Cu: Stcu	Cu: Stcu: Ci	Cu: Stcu	9	3	9	9	3	1	j	j	j	I	k	k	p●	...	...	...	...	...	cp●, p●^{0} *a* : cp●, p●^{2}▲^{2} *p* : bc, b⊔ *n*.
2	Stcu: Acu	Stcu: Ast	Stcu	1	9	9	7	4	10	k	k	j	k	k	j	...	...	...	...	...	●	b⊔, ci●^{0} *a* : c, bc *p* : cp●^{2}q, c● *n*.
3	Stcu: Ast: Acu	Stcu	Stcu: Ast: Acu	8	9	7	7	9	10	j	j	j	j	j	j	...	...	...	...	●^{0}	●	c, bc *a* : bc, c●^{0} *p* : c●^{0}, ● *n*.
4	St: Stcu:Ast	Stcu: Ast	Stcu: Acu	10	9	10	10	5	5	l	k	l	l	h	h	...	...	...	...	...	...	c, i●^{0} *a* : c, bcm$_{0}$ *p* : b, bcm$_{0}$ *n*.
5	Stcu: Ci	Stcu: Acu	Frst: Stcu	1	1	9	9	10	9	I	h	I	I	G	j	...	...	...	...	...	...	b⊔, p●^{0}, c *a* : c●^{0}m$_{0}$ *p* : cm$_{0}$ c *n*.
6	Cu: Stcu	Cu: Stcu	Cu: Stcu	1	2	4	4	1	9	j	k	j	j	j	j	...	...	...	...	...	p●^{0}	b, cp●^{0} *a* : bc, cp●^{0} *p* : cp●, bc *n*.
7	Frst: Stcu	Cu: Stcu: Ci	Acu: Cist: Ci	9	7	5	5	6	7	j	j	j	j	j	j	...	...	...	...	...	...	c, bc *a* : bc, bc⌓ *p* : bc, c⌓ *n*.
8	Frst: Stcu:Ast	Cu: Stcu	Cu: Stcu	10	8	5	7	9	10	k	k	j	j	I	I	...	...	...	...	...	...	c⊔, ●^{0}, bc *a* : bc, c *p* : c, cm$_{0}$ *n*.
9	Frst: St	Frst: Ast	Stcu	10	10	10	10	2	4	h	h	h	j	j	F	...	...	●^{0}	●	...	...	ci●^{0}, ●^{0}m$_{0}$ *a* : c●^{0}m$_{0}$, ●, b *p* : b, bcm⊔ *n*.
10	Stcu	Cu: Stcu: Ci	Frst: Stcu: Acu	10	3	8	10	9	9	h	j	j	I	I	h	...	...	...	...	...	...	cm$_{0}$, bc, c *a* : c●^{0}, i●^{0}m$_{0}$ *p* : bc, cm$_{0}$ *n*.
11	St	Cu: Frnb	Stcu	10	10	9	7	9	10	G	G	j	j	j	G	...	...	...	...	●^{0}	...	om, cp●^{0} *a* : p●^{0}q, ●^{0} *p* : ci●^{0}, cm$_{0}$ *n*.
12	Frnb	Cu: Stcu	Frnb: Cu: Stcu	10	9	5	5	9	10	I	l	j	l	j	j	●^{0}	...	...	...	p✱▲	✶	c●^{0}, bc *a* : p●^{0}, p✱▲ *p* : cp✱▲, i✶ *n*.
13	Frst: Cu: Stcu	Cu: Stcu: Ci	St: Stcu	9	9	7	9	9	10	j	l	j	k	j	I	...	...	...	...	...	✶^{0}	⊠c, bc *a* : c, bc *p* : c, c✶^{0} *n*.
14	St: Stcu	Frst: Acu: Ci	Stcu	9	10	1	4	4	9	j	h	j	k	k	j	...	●	...	...	...	p●	⊠ckq●^{2}, ●, b *a* : b, bc *p* : cp● *n*.
15	Frnb:Nbst	Frnb: Stcu	Frst: Stcu	10	10	9	9	6	1	h	h	I	j	j	j	●	●	●^{0}	●^{0}	...	...	c●, i●m$_{0}$ *a* : c●, i●^{2}, p● *p* : c, b *n*.
16	Frst:Stcu	Frst: Stcu	Frst: Stcu	9	9	9	9	9	4	I	I	j	j	I	I	...	...	...	...	...	...	cm$_{0}$, c *a* : cp● *p* : cm$_{0}$, bcm$_{0}$ *n*.
17	Frst:Stcu	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10	10	h	h	k	I	I	I	...	●^{0}	●^{0}	●	●	●^{0}	c⊔, ●, ●^{0}m$_{0}$ *a* : c●^{0}, ●m$_{0}$ *p* : c●, ●^{0}m$_{0}$ *n*.
18	Frnb	Frnb: Stcu	Stcu	10	9	9	4	7	9	I	k	I	j	j	j	●^{0}	...	●^{0}	...	...	...	c, c●^{0}m$_{0}$ *a* : c●^{0}m$_{0}$, bc *p* : bc, c *n*.
19	Stcu	Frst: Stcu	St: Stcu	1	0	9	9	4	4	h	E	I	I	I	I	...	...	...	...	...	...	b⌓, f, cm$_{0}$ *a* : cm$_{0}$, bcm$_{0}$ *p* : bcm$_{0}$ *n*.
20	Frnb: Nbst	Frnb: Stcu	St: Stcu	10	10	10	10	10	10	I	j	I	I	I	j	●^{0}	...	●^{0}	●^{0}	...	●^{0}	c●^{0}, i●^{0}m$_{0}$ *a* : c●^{0}m$_{0}$ *p* : ci● *n*.
21	Frst: Stcu	Frnb: Stcu: Ast	St: Stcu	10	10	10	10	10	10	k	j	j	j	j	j	...	●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	ci●^{0} *a, p and n*.
22	Frst: Stcu	Frnb: Stcu	Frst: Stcu	9	9	9	9	9	10	j	k	k	k	k	k	...	...	p●^{0}	p●^{0}	...	...	cp●^{0} *a and p* : ci●^{0} *n*.
23	Stcu: Acu	Cu	---	8	2	1	1	0	0	k	k	k	k	k	k	...	...	...	...	...	...	c⊔, b *a* : b, b⊔ *p* : b⊔ *n*.
24	Stcu	Stcu	Stcu	8	9	9	7	7	7	k	j	j	k	j	j	...	...	...	...	...	...	c⊔, c *a* : c, bc *p* : bc, cp● *n*.
25	Fog	Ast: Acu: Cist	Stcu	10	9	8	8	6	9	C	G	k	j	j	j	...	...	...	...	...	...	oFe, c *a* : c, bc *p* : bc, c *n*.
26	Stcu	Cu: Stcu	Frnb	10	9	5	9	9	8	k	k	j	k	j	j	...	...	...	p●^{0}	●	●	cp✶, p● *a* : bc, p●, ● *p* : c●, i● *n*.
27	Stcu: Ci	Frst: Stcu	Frst: Stcu	9	9	10	9	10	10	k	j	j	j	i	j	...	...	i●^{0}	...	...	...	cp●^{0}, i●^{0} *a* : ci●^{0} *p* : cm$_{0}$, p●^{0} *n*.
28	Frnb	Cu: Frnb	Frnb: Stcu	10	10	9	9	5	7	I	I	j	k	j	j	●^{0}	●	●^{0}	...	p●^{0}	...	c●, i●^{0} *a* : cp●^{0}, bc *p* : bcp●^{0} *n*.
29	Frst:Stcu: Cist	Stcu: Ci	Stcu	10	9	6	5	5	6	j	j	k	k	k	j	...	...	...	...	...	...	ci●^{0}, p●^{0} *a* : bcp●q *p* : bc *n*.
30	Frst: Stcu	Frst: Ast	Frnb: Nbst	9	9	9	10	10	8	k	l	l	j	j	j	...	...	...	...	●^{2}	●^{0}	cp●^{0} *a* : cp●^{0}, ●^{2} *p* : c●^{2}, ✱, ●^{0} *n*.
Mean Cloud Am'nt.				8·3	7·7	7·7	7·7	6·9	7·5													

264. ESKDALEMUIR DECEMBER, 1935

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	Frst: Stcu	Frst: Cu:Stcu	Frst: Cunb: Ci	2	10	9	9	3	1	k	F	I	j	j	k	...	✱	p✱▲^{0}	...	✶^{0}	...	⊠ 5 cms. bc, i✱, p✱▲^{0} *a* : cp✱q, ✶^{0} *p* : ci✶^{0}, p✱^{0} *n*.
2	Frst: Stcu	Frnb: Cunb: Ci	Stcu: Ci	1	2	7	7	5	2	j	k	k	l	l	l	...	...	p✶^{0}	...	...	...	⊠, b, cp✶^{0} *a* : cp✶q *p* : bc ⋜, bq *n*.
3	Stcu	Cu: Stcu:Ci	Stcu: Ast: Acu	3	1	4	8	8	8	k	k	k	l	k	k	...	...	...	p●^{0}	●	...	⊠, cp ✶^{0}, bc *a*; p●, ci●^{0} *p*; ci●^{0},bc n.
4	Ast	Cunb: Stcu: Ci	Frst: Ci	9	7	4	6	3	10	j	m	k	l	l	F	...	...	...	...	...	✱	c, bc *a* : bc *p* : bc⊔, p✱^{0}, ✱m$_{0}$ *n*.
5	St	Cu: Stcu	Stcu	1	2	2	1	9	4	F	j	j	I	j	I	...	...	...	...	...	...	b *a* : bcm$_{0}$, p✶^{0} *p* : ci✶^{0}, bcm$_{0}$ *n*.
6	Frst: Stcu	Fog	Stcu	3	10	10	3	1	0	F	C	C	D	j	h	...	...	...	...	...	...	bcm, oF *a* : oFe, b *p* : b, b⊔m$_{0}$ *n*.
7	St	Fog	Frnb	10	10	10	10	10	10	E	D	C	F	F	F	...	...	...	...	●	●	of⊔, V, oF *a* : oF, i●^{0}, ●m *p* : o●m *n*.
8	St	Frnb	Stcu: Ci	10	9	10	8	7	8	F	G	I	m	l	l	...	...	p✶▲	...	...	...	idm$_{0}$, p✶() , p✶▲ *a* : p✶, bc *p* : cp✶ *n*.
9	Stcu	Stcu	Stcu	8	4	2	6	5	5	k	l	I	k	j	k	...	...	...	...	...	...	c, bci●^{0} *a* : bcp●^{0} *p* : cp●^{0}, bc *n*.
10	Stcu	Stcu	Stcu	9	1	9	1	1	9	j	h	k	j	j	j	...	...	...	...	...	...	c, b⊔m$_{0}$ *a* : c, b *p* : b, c *n*.
11	Stcu	Stcu	St: Stcu	5	3	9	9	10	10	j	k	j	j	I	I	...	...	...	...	d$_{0}$	d$_{0}$	bc⊔, c *a* : c, cd$_{0}$m$_{0}$ *p* : id$_{0}$, cd$_{0}$m$_{0}$ *n*.
12	St: Frst	St: Stcu	St: Stcu	10	10	10	10	10	10	I	I	j	I	h	I	d$_{0}$	...	...	d$_{0}$	d$_{0}$	...	cd$_{0}$m$_{0}$, id$_{0}$ *a* : cid$_{0}$m$_{0}$ *p* : id$_{0}$, cm$_{0}$ *n*.
13	Stcu	St: Stcu	St: Stcu	10	10	10	9	10	10	j	k	l	l	j	j	...	...	...	...	...	...	c, cid$_{0}$ *a* : cid$_{0}$ *p* : ci●^{0}, c *n*.
14	Stcu	Nbst	Nbst	10	9	10	10	10	10	j	j	G	F	F	F	...	...	✱^{0}	✱^{0}	✱^{0}	✱^{0}	c⊔, c✱^{0}m$_{0}$ *a* : c✱^{0}m$_{0}$ *p and n*.
15	Frst	Stcu: Ci	St: Stcu	9	10	2	9	7	10	G	F	j	k	j	g	...	✱	...	✱^{0}	p✱^{0}	p✱	⊠ 3 cms. c✶, p✱q *a* : bc, cp✱^{0} *p* : cp✱q *n*.
16	Stcu:Acu:Ci	Cunb: Stcu:Ci	Stcu	4	1	1	1	1	1	l	l	k	k	j	j	...	...	...	...	...	...	⊠ 4 cms. bc, b *a* : b *p* : bc, b *n*.
17	Frst	Stcu: Ci	Stcu	2	2	6	4	1	2	j	j	k	j	j	j	...	...	...	...	...	...	⊠, b, bc *a* : bc, b *p* : b *n*.
18	Stcu: Cist: Ci	Ast: Cist	Cist	5	7	9	9	9	6	j	m	k	l	j	j	...	...	...	...	...	...	⊠, bc⊔ Ⓤ, c *a* : c *p and n*.
19	Cist	Stcu	Stcu	9	8	3	1	1	4	j	l	m	m	m	h	...	...	...	...	...	...	⊠, c⊔Ⓤ, bc *a* : bc, b⊔ *p* : bc⊔ *n*.
20	Stcu	Stcu	Stcu	1	2	1	1	1	0	j	j	j	j	j	h	...	...	...	...	...	...	⊠, b⊔, b *a* : b, b⊔ *p* : b⊔ *n*.
21	---	Frcu: Ci	Frnb: Nbst	0	2	4	8	10	4	j	k	k	k	I	j	...	...	...	...	✱^{0}	...	⊠, b⊔, bc *a* : bc, c✱^{0}m$_{0}$ *p* : ci✱^{0}, bc *n*.
22	St: Stcu	---	---	6	1	0	0	0	0	j	k	k	l	j	j	...	...	...	...	...	...	⊠ 5 cms. bc⊔, by *a* : by, b⊔ *p* : b⊔ *n*.
23	---	Ci	---	0	1	1	1	0	0	k	l	l	k	j	j	...	...	...	...	...	...	⊠, b⊔, b *a* : b, b⊔ *p* : b⊔ *n*.
24	Frst: Stcu	Frst: Ast	St: Ast	10	10	10	10	10	10	I	I	I	I	I	I	...	...	...	✱	...	...	⊠, c⊔, cz$_{0}$ *a* : c✱, ✶m$_{0}$ *p* : ci✶^{0}m$_{0}$ *n*.
25	St:Stcu	St: Stcu: Ast	St: Frst	10	10	10	10	10	8	h	h	I	I	I	I	...	●^{0}	...	●^{0}	...	...	⊠, c●^{0}, cm$_{0}$ *a* : c●^{0}, i●m$_{0}$ *p* : ci●^{0}m$_{0}$ *n*.
26	St:Stcu	Frnb	Frst: Frnb:Ast	9	10	10	10	10	10	j	I	I	I	I	F	...	i●^{0}	●^{0}	●^{0}	id$_{0}$	●	ci●, idm$_{0}$ *a* : ci●^{0}, idm$_{0}$ *p* : cid$_{0}$, ●m$_{0}$ *n*.
27	Frst: Stcu	St: Stcu	St: Stcu	10	10	10	9	10	8	I	j	I	j	h	h	...	...	...	...	...	...	c, p●^{0}, cm$_{0}$ *a* : c, cm$_{0}$ *p* : ci●^{0}m$_{0}$ *n*.
28	Fog	Stcu: Acu: Ci	Cu: Acu: Ci	10	9	7	7	8	9	D	F	j	k	k	k	...	...	...	...	...	...	ofe, bc *a* : bc, c *p* : c *n*.
29	St: Stcu	Fog	Frst: Stcu	9	10	10	9	7	10	I	C	E	I	I	I	...	...	...	...	...	...	oFe, of *a* : of, bcm$_{0}$ *p* : bcm$_{0}$⌓ *n*.
30	Frnb	Frst: Ast	St: Stcu: Ast	10	9	10	9	10	9	h	h	I	I	h	h	i●^{0}	...	...	...	...	...	ci●^{0}m$_{0}$ *a* : cm$_{0}$ *p and n*.
31	St	Frnb: Nbst	St	10	10	10	10	10	9	h	G	I	h	F	G	...	...	●^{0}	●	d$_{0}$	...	om, c●^{0}m$_{0}$ *a* : c●^{0}, ●, d$_{0}$m$_{0}$ *p* : cd$_{0}$m$_{0}$, cm$_{0}$ *n*.
Mean Cloud Am'nt.				6·6	6·5	6·8	6·6	6·4	6·4													
				7·7	7·6	7·8	7·6	7·0	6·8													
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

265. ESKDALEMUIR 1935

Month	JANUARY Factor 6·00				FEBRUARY Factor 6·09				MARCH Factor 6·15			
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	215	10	85	355	Z-	5	105	50	95	95	155	310
2	5	185	160	210	-35	0	200	205	125	165	150	190
3	165	165	200	135	165	-40	90	545	Z ±	Z ±.	Z ±	205
4	55	115	195	505	Z-	265	500	405	175	165	180	335
5	445	280	490	515	-95	170	Z+	Z+	140	130	Z-	225
6	190	165	285	95	100	Z+	190	260	130	225	175	405
7	125	105	90	205	240	295	335	580	275	160	145	245
8	215	245	285	260	465	470	650	600	280	375	135	155
9	85	215	375	Z-	345	540	595	910	105	85	85	65
10	235	85	- 5	125	400	-185	-115	225	75	75	100	125
11	40	90	45	Z±	100	150	105	75	75	105	175	325
12	Z+	550	505	825	-30	105	145	310	245	180	190	385
13	145	410	920	315	Z-	115	115	420	115	160	345	495
14	95	80	125	485	Z-	Z ±	215	0	280	175	270	280
15	300	205	375	615	70	150	Z-	125	85	95	145	310
16	375	195	295	840	-20	-315	Z-	160	235	385	245	265
17	465	275	110	300	85	5	Z ±	145	205	145	205	195
18	115	75	160	95	80	40	75	Z-	85	185	95	70
19	120	125	150	400	130	Z-	230	285	115	195	300	360
20	95	200	300	175	Z-	Z-	145	160	195	170	150	750
21	180	155	215	240	Z-	100	155	160	525	200	145	185
22	145	185	130	165	195	290	155	200	Z-	Z ±	115	85
23	80	145	175	200	175	185	270	400	Z-	70	85	20
24	145	80	150	40	245	Z	470	395	150	105	135	5
25	Z-	Z ±	Z ±	335	Z+	60	210	345	40	35	65	155
26	355	210	Z ±	345	265	320	180	385	85	90	105	85
27	125	160	230	295	275	Z ±	165	320	75	135	195	255
28	155	240	840	500	355	-255	-45	440	170	175	235	260
29	325	175	355	845					145	70	Z-	110
30	270	495	255	340					225	105	230	45
31	-55	160	155	250					65	65	120	185
(a)	188	193	273	345	217	181	241	324	161	149	167	229
(b)	182	181	259	327	220	156	214	406	163	156	172	248
Mean	(a) 250		(b) 237		(a) 241		(b) 249		(a) 177		(b) 185	

Month	APRIL Factor 6·17				MAY Factor 6·17				JUNE Factor 6·08			
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	75	75	110	245	150	55	160	260	230	115	165	125
2	145	165	195	290	75	240	215	270	40	65	200	120
3	135	215	150	210	180	230	120	235	65	Z-	145	295
4	125	205	175	235	320	165	175	355	-140	195	Z-	135
5	130	140	205	185	335	155	155	140	220	95	Z ±	95
6	145	125	130	525	135	140	100	165	100	155	145	145
7	345	155	Z-	Z ±±	180	355	180	160	155	Z+	355	105
8	(60)	225	175	385	130	105	135	270	65	130	Z-	180
9	(-80)	Z ±	175	260	390	265	90	195	165	230	175	115
10	(-95)	---	Z ±	Z-	180	175	120	200	185	140	Z-	270
11	Z-	Z ±	25	135	115	140	140	115	185	170	Z-	-115
12	140	125	105	225	65	120	100	90	70	Z-	165	140
13	95	60	90	165	95	175	185	Z-	145	Z ±	150	205
14	185	85	195	225	Z ±	150	140	180	110	155	Z+	190
15	255	115	155	310	100	125	Z-	100	140	275	165	250
16	Z-	Z-	Z ±	Z-	105	150	140	110	310	130	-170	Z-
17	Z-	(-260)	Z ±	75	80	375	115	110	190	85	Z-	270
18	115	-100	105	160	185	235	115	190	285	140	90	165
19	165	115	115	285	195	130	130	240	175	115	90	330
20	-105	Z-	25	Z-	165	135	105	175	125	45	420	335
21	415	210	Z ±	255	100	115	150	80	165	180	175	205
22	355	520	125	35	75	105	130	205	355	405	150	205
23	---	Z-	110	175	100	110	110	110	115	130	165	230
24	50	65	85	385	135	65	150	85	Z+	430	115	380
25	225	20	85	185	115	150	155	160	660	520	190	485
26	110	105	145	105	100	140	165	160	300	60	90	105
27	85	155	110	110	185	150	155	215	165	65	155	115
28	135	150	160	205	405	115	120	225	170	180	135	455
29	315	295	115	140	315	160	150	190	80	270	260	460
30	145	295	115	195	260	185	(130)	165	Z-	(Z ±)	205	385
31					135	140	150	315				
(a)	172	165	127	219	170	163	139	182	184	179	177	232
(b)	152	150	135	229	175	164	138	185	204	184	173	240
Mean	(a) 171		(b) 167		(a) 163		(b) 165		(a) 193		(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 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

265. ESKDALEMUIR 1935

Month	JULY Factor 5·95				AUGUST Factor 5·96				SEPTEMBER Factor 5·98			
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	55	-140	210	150	210	300	145	220	225	140	175	Z-
2	40	465	110	155	115	110	205	125	Z+	-35	-5	150
3	105	120	155	150	220	190	200	470	275	230	Z-	140
4	60	105	15	80	205	145	135	120	395	165	90	275
5	-5	130	30	165	120	90	50	275	220	(115)	125	225
6	140	105	135	365	200	100	155	260	360	290	120	395
7	260	185	125	235	350	295	190	285	180	310	165	315
8	400	150	140	165	140	215	150	180	290	115	170	350
9	165	140	145	260	140	130	110	205	100	95	140	200
10	265	165	140	360	195	100	40	80	140	65	140	235
11	160	110	135	105	140	100	85	-340	120	245	140	185
12	155	65	120	130	125	270	125	215	115	250	125	420
13	75	155	215	480	200	275	145	190	165	240	115	Z+
14	120	140	190	285	65	160	180	205	90	160	30	90
15	75	150	180	230	165	150	140	200	165	-165	155	Z±
16	125	155	5	45	50	110	180	510	120	135	Z+	45
17	80	100	155	265	375	465	170	270	Z-	Z-	145	Z-
18	125	150	Z±	Z+	120	215	230	375	Z-	65	180	130
19	300	140	145	165	275	355	130	285	Z-	50	Z±	130
20	135	100	135	225	240	325	-	155	70	85	140	250
21	165	130	145	380	435	275	120	225	185	225	235	10
22	160	135	140	230	115	150	95	170	50	160	165	370
23	450	195	155	90	345	120	75	85	165	125	155	405
24	170	100	140	420	85	395	180	305	115	110	330	285
25	190	190	190	225	(275)	470	150	185	405	330	175	595
26	100	115	150	40	395	-25	115	Z-	230	285	95	165
27	55	100	Z-	130	85	155	110	420	385	500	235	400
28	70	40	60	100	180	195	Z+	275	130	120	95	435
29	100	200	160	125	85	200	150	250	400	355	140	-55
30	265	245	165	205	120	-110	Z-	Z-	165	Z-	-155	Z±
31	210	290	265	165	340	225	140	310	-	-	-	-
(a)	159	152	140	204	197	217	139	245	202	191	151	258
(b)	158	144	140	207	192	214	140	225	207	205	151	277
Mean	(a) 164		(b) 162		(a) 197		(b) 193		(a) 201		(b) 210	

Month	OCTOBER Factor 5·91				NOVEMBER Factor 5·78				DECEMBER Factor 5·68			
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	130	-75	95	375	150	Z-	Z±	410	Z±	Z±	Z±	295
2	105	260	Z-	Z±	295	215	230	Z±	130	(200)	245	170
3	Z-	175	170	300	275	295	185	Z-	150	140	180	295
4	225	315	260	150	Z±	90	215	505	160	90	315	Z±
5	Z-	Z-	40	470	135	300	180	165	115	215	525	Z-
6	215	95	-125	110	430	250	90	Z-	205	515	505	495
7	75	140	205	170	75	225	275	515	375	325	210	Z-
8	Z-	Z-	Z-	220	165	-115	180	385	260	235	70	Z-
9	220	150	-85	170	195	Z-	35	460	195	210	270	145
10	-10	Z-	Z±	Z-	480	270	Z±	415	220	365	330	295
11	205	Z+	150	125	165	345	225	345	150	110	180	135
12	115	160	85	150	-225	100	190	Z±	45	140	135	340
13	45	110	80	Z-	Z+	195	245	255	75	105	100	260
14	125	190	170	530	370	Z-	155	Z-	185	205	85	120
15	150	140	100	Z-	Z-	Z-	Z-	360	25	Z-	130	140
16	95	135	170	Z-	320	-305	Z±	455	315	275	370	565
17	265	-10	Z-	-	465	Z-	Z-	95	235	185	385	515
18	110	225	120	-320	100	-85	25	285	260	250	350	400
19	Z±	Z±	10	315	165	485	175	530	115	145	215	600
20	150	135	160	520	Z-	75	-115	55	270	230	460	605
21	180	220	Z-	185	40	35	40	20	315	405	445	630
22	330	250	170	280	150	-60	5	315	280	230	155	230
23	135	265	275	-90	180	145	160	240	125	225	380	275
24	-20	155	60	-435	165	190	480	770	195	435	Z+	85
25	85	50	250	285	835	510	240	150	820	Z-	130	490
26	490	195	25	110	Z-	65	70	65	165	240	Z-	110
27	100	140	-125	105	65	230	(Z-)	190	Z-	210	415	540
28	90	135	135	-250	5	Z±	155	85	Z-	325	240	200
29	65	70	Z-	Z±	Z-	75	105	300	180	475	270	390
30	10	Z-	-45	120	95	105	130	Z-	Z-	200	300	435
31	100	150	Z-	Z±	-	-	-	-	390	135	Z-	350
(a)	153	168	137	247	231	210	165	307	221	244	274	337
(b)	161	158	105	116	198	180	180	338	192	245	281	359
Mean	(a) 176		(b) 135		(a) 228		(b) 224		(a) 269		(b) 289	
							Annual Means.	(a)	188	184	177	261
								(b)	184	178	174	263
									(a) 203		(b) 200	

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 — 1935

Month and Season	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 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.	+9	-5	-57	-95	-93	-67	-61	-67	-67	-37	-31	+11	-34	-21	-31	+16	+67	+103	+103	+127	+126	+66	+29	-3	-29	13	273
Feb.	+16	-43	-19	-105	-77	-85	-32	-22	+13	+55	+26	-25	-17	-53	-20	-21	+86	-7	-4	+68	+71	+64	+84	+47	+81	4	342
Mar.	-14	-25	-29	-51	-67	-66	-47	-25	-25	-37	-54	-33	-21	-5	-3	+26	+23	+57	+100	+93	+87	+63	+31	+21	+4	10	209
Apr.	+19	-5	+11	+57	+61	+67	+45	+21	+4	-9	-23	-63	-71	-75	-63	-51	-50	-64	-18	+61	+53	+37	+30	+7	+71	7	189
May	+53	+18	+24	+19	+14	+23	+8	-13	-23	-44	-38	-38	-40	-38	-33	-30	-34	-34	-20	+9	+39	+55	+53	+74	-7	17	173
June	+57	+93	+58	+47	+29	+20	+6	+10	+32	-41	-74	-107	-112	-127	-128	-114	-71	-51	-20	+13	+104	+154	+154	+55	-21	4	272
July	+38	+18	+3	-21	-19	-25	-13	-24	-26	-20	-33	-25	-24	-26	-23	-20	-18	-13	+16	+37	+60	+63	+43	+49	+27	15	179
Aug.	+11	+5	+18	+5	+6	+8	+30	+13	+31	+26	+10	-23	-45	-55	-52	-45	-42	-35	-24	+21	+47	+39	+35	+23	+8	14	199
Sept.	-8	+8	+4	-6	-20	+5	+40	+38	-5	-35	-53	-55	-69	-66	-69	-64	-52	-16	+78	+87	+107	+96	+11	+3	+21	9	212
Oct.	-28	-49	+11	-59	-61	-69	-58	-68	-11	-2	-12	-60	-64	-87	-37	+5	+14	+69	+224	+232	+132	+54	-6	-59	-227	1	229
Nov.	-76	-56	-30	-68	+13	-58	-5	-39	-50	+51	-94	-18	-25	-29	-20	+49	+7	+35	+14	+67	+76	+104	+96	+63	+61	1	184
Dec.	-33	-70	-111	-112	-136	-128	-104	-67	-87	-47	-19	-6	+12	+55	+5	+1	+78	+117	+154	+150	+128	+115	+82	+8	-20	10	312
Year	+4	-9	-10	-32	-29	-31	-16	-20	-18	-12	-33	-37	-43	-44	-30	-21	+1	+13	+50	+80	+86	+76	+53	+24	-	-	231
Winter	-21	-43	-54	-95	-73	-85	-51	-49	-48	+5	-29	-9	-16	-12	-17	+11	+59	+62	+67	+103	+100	+87	+73	+29	-	-	278
Equinox	-8	-18	-1	-15	-22	-16	-5	-9	-9	-21	-35	-53	-56	-58	-43	-21	-16	+11	+96	+118	+95	+63	+17	-7	-	-	210
Summer	+40	+33	+26	+13	+7	+7	+8	-3	+3	-20	-34	-48	-55	-61	-59	-52	-41	-33	-12	+20	+63	+77	+71	+50	-	-	206

267 ESKDALEMUIR — * 1a and 2a Days Only — 1935

Month and Season	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 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.	-43	-61	-79	-76	-95	-99	-99	-89	-77	-36	+17	-7	+10	+59	+93	+84	+125	+116	+115	+95	+76	+70	-36	-59	+78	4	221
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
Mar.	-33	-39	-46	-77	-26	-30	-35	-20	+1	-10	-33	-3	-29	-27	-25	-13	+14	+63	+107	+157	+95	+30	-16	-9	+17	6	185
Apr.	+13	-36	-34	-50	-43	-41	-77	-77	-47	-30	-34	-20	+3	+17	+3	+16	+54	+39	+49	+59	+44	+57	+81	+53	-74	5	133
May	+26	+4	+5	-19	-10	-24	-34	+1	+4	-4	-30	-26	-24	-10	-6	+4	+10	+11	+24	+20	+5	+38	+34	+14	-21	7	141
June	-22	-25	-33	-28	-28	-30	-25	-17	-37	-8	+5	-3	-4	+15	+56	+58	+4	-19	-32	+5	+53	+72	+48	+5	-11	5	180
July	+24	+14	-19	-11	-14	-21	-5	-38	-50	-24	-18	-15	-6	-37	+1	-10	-23	+9	+35	+47	+49	+55	+31	+19	-72	10	147
Aug.	+31	-24	-16	-25	-39	-43	-19	-9	+3	-37	-45	-26	-31	-31	-37	-10	-18	-6	+28	+28	+76	+136	+72	+47	-63	9	168
Sept.	+34	+5	-4	-23	-45	-33	-4	+59	0	-3	-39	-40	-20	-26	-15	-29	-59	-72	-3	+69	+82	+53	+60	+42	-31	8	199
Oct.	-58	-76	-26	-14	-15	-9	+1	-10	+15	0	+15	+20	+18	+41	+17	+17	+17	+5	+50	+95	-17	-11	-10	-75	-54	10	151
Nov.	+69	+27	+7	-81	-55	-157	-61	-68	-131	-52	-33	-1	-5	-4	-38	-24	0	+83	+111	+106	+129	+79	+109	-19	-266	4	183
Dec.	-33	-80	-92	-91	-80	-61	-61	0	+28	+27	-4	-21	-12	+25	+28	+40	+33	+84	+5	+30	+68	+71	+55	+37	-54	7	239
Year	+1	-24	-28	-41	-37	-44	-35	-22	-24	-15	-17	-12	-8	+2	+6	+11	+13	+26	+41	+59	+55	+54	+36	+5	-	-	162
Winter	-2	-29	-41	-62	-57	-74	-55	-39	-45	-15	-5	-7	-2	+20	+21	+25	+39	+71	+58	+58	+69	+55	+32	-10	-	-	161
Equinox	-11	-37	-27	-41	-32	-28	-29	-12	-8	-11	-23	-11	-7	+1	-5	-2	+7	+9	+51	+95	+51	+32	+29	+3	-	-	167
Summer	+15	-8	-16	-21	-23	-29	-21	-16	-20	-18	-22	-17	-16	-16	+3	+11	-7	-1	+14	+25	+46	+75	+46	+21	-	-	159

† see page 23

* Note. For explanation of 0a and 2a Days, see page 168

268. ESKDALEMUIR 1935

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	2b	4·5	2b	9·4	1b	1·5	1b	0·3	0a	...	1a	0·5
2	1b	2·9	2c	3·4	1a	0·4	0a	...	1b	1·4	1b	2·2
3	1b	0·2	2b	3·6	2c	6·3	1b	1·2	0a	...	1b	1·5
4	1a	0·1	2b	3·6	1b	2·0	1b	1·0	0a	...	2c	7·1
5	0a	...	2c	3·1	1c	2·2	1a	0·1	0a	...	1b	2·1
6	1b	0·4	1c	2·3	0a	...	0a	...	0a	...	1b	2·7
7	1a	0·4	0a	...	0a	...	2c	5·9	0a	...	1c	2·6
8	0a	...	0a	...	0a	...	0a	...	0a	...	2b	4·0
9	1b	2·7	0a	...	0a	...	2c	6·4	1a	0·1	1a	0·1
10	2b	4·1	2b	8·5	0a	...	2c	13·7	1a	0·1	2c	5·5
11	2c	6·7	1b	2·6	0a	...	2c	9·3	0a	...	2c	9·7
12	1b	0·3	2b	3·1	0a	...	0a	...	1a	0·1	2c	3·9
13	0b	...	2c	6·9	0a	...	1a	0·3	1b	2·3	2c	4·3
14	0a	...	1b	2·0	0a	...	1b	0·5	1b	1·0	1c	2·8
15	0a	...	2c	6·4	1b	2·9	1b	1·2	2c	8·3	1b	2·3
16	0a	...	2c	14·3	1a	1·1	2c	20·5	1b	1·1	2c	3·8
17	0a	...	2c	3·6	2b	3·4	2c	13·0	1b	2·0	1b	1·1
18	1a	0·1	2b	5·9	1a	0·5	1b	2·5	1b	0·5	1b	2·7
19	0a	...	2b	4·9	0a	...	0a	...	0a	...	0a	...
20	0a	...	2c	11·3	1a	0·1	2c	9·5	0a	...	1a	0·3
21	0a	...	1b	1·0	1b	1·2	1b	0·7	1a	0·1	1b	0·7
22	0a	...	0a	...	2c	8·6	2b	3·8	0a	...		...
23	0a	...	1b	1·3	2c	8·5	2c	---	0a	...	1b	1·0
24	2b	4·0	1c	2·7	1b	2·9	1b	0·6	1a	0·5	1b	0·8
25	2c	4·7	1b	0·7	1b	1·3	1a	1·2	1a	0·1	0a	...
26	1b	0·2	0a	...	1b	0·8	1a	0·2	1a	0·1	1b	1·7
27	0a	...	2c	3·4	1a	0·2	1a	0·3	0a	...	1a	0·4
28	1a	0·9	2b	6·0	0a	...	0a	...	0a	...	0a	...
29	0a	...			2c	10·4	0a	...	0a	...	1a	0·1
30	0a	...			1b	1·7	0a	...	0a	...	2b	3·6
31	1b	1·1			1a	0·5			0a	...		
Total	---	33·3	---	110·0	---	56·5	---	92·2	---	17·7	---	67·5
No. of Days Used	---	31	---	28	---	31	---	29	---	31	---	30
Mean	---	1·1	---	3·9	---	1·8	---	3·2	---	0·6	---	2·2

	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	1a	3·1	0a	...	2b	3·2	2c	5·5	1c	2·3	1c	2·5
2	1b	1·5	0a	...	2b	4·3	2b	5·2	1b	1·6	0a	...
3	1a	0·4	0a	...	2c	5·1	2c	4·6	1b	2·4	1a	0·3
4	1a	0·6	1a	0·1	1a	0·1	1a	1·4	1b	3·7	1b	2·5
5	1b	2·1	1a	0·1	0a	...	2c	15·5	1b	2·7	1b	1·1
6	0a	...	0a	...	0a	...	2b	4·0	1b	2·5	1a	0·1
7	0a	...	0a	...	0a	...	1a	0·6	1b	1·9	2c	5·0
8	0a	...	1a	0·1	0a	...	2c	9·6	1a	1·3	2c	5·2
9	0a	...	0a	...	0a	...	2c	6·5	2b	3·5	1a	0·2
10	1a	0·1	1a	0·4	1a	0·6	2c	7·8	2b	3·2	1a	0·1
11	0a	...	1b	4·0	0a	...	2c	6·0	2b	3·0	1a	0·1
12	0a	...	0a	...	0a	...	1a	0·3	2c	7·3	0a	...
13	0a	...	0a	...	1b	2·4	2b	4·5	1b	2·0	1a	0·3
14	1a	0·4	1a	0·3	2c	3·5	1a	0·2	2c	4·1	1a	1·7
15	0a	...	0a	...	2c	4·6	1b	2·5	2c	10·7	2b	3·6
16	1b	1·8	1a	0·9	2c	5·8	1b	0·8	1b	1·9	0a	...
17	0a	...	1a	0·3	2c	7·2	2b	8·1	2c	11·9	0a	...
18	2c	3·4	1b	0·6	2c	7·5	2c	5·8	2b	6·7	0a	...
19	1b	2·5	0a	...	2c	6·7	2c	4·2	1b	0·6	0a	...
20	0a	...	(0a)	...	0a	...	1a	0·1	2c	9·4	0a	...
21	0a	...	0a	...	1a	0·1	2b	4·3	1a	0·7	0a	...
22	1a	0·1	0a	...	1a	0·2	0a	...	1a	2·1	0a	...
23	1a	0·3	1a	0·1	1a	0·1	1a	2·5	0a	...	0a	...
24	0a	...	0a	...	1a	2·1	2a	5·0	1b	0·6	1b	0·1
25	1a	0·3	1b	0·3	0a	...	1a	2·1	1a	0·9	2c	5·9
26	1a	0·3	2b	6·7	1a	0·2	1a	0·5	2c	8·5	2c	6·0
27	1b	1·8	1b	2·3	1a	0·1	2b	5·8	1b	---	1b	2·3
28	1a	0·1	1b	1·0	1b	1·9	2a	4·3	2c	5·1	1b	1·0
29	0a	...	1a	0·9	2b	4·7	2c	3·8	1b	2·5	1a	0·4
30	0a	...	2c	12·8	2c	11·1	2c	11·7	2c	6·3	2b	4·8
31	0a	...	0a	...			2c	3·5			1b	3·1
Total	---	18·8	---	30·9	---	71·5	---	136·7	---	109·4	---	46·3
No. of Days Used	---	31	---	31	---	30	---	31	---	29	---	31
Mean	---	0·5	---	1·0	---	2·4	---	4·4	---	3·8	---	1·5

Annual Values. Character Frequency ... 0: 111, 1: 158, 2: 96. Duration ... Total: 790·8, No. of Days: 363, Mean: 2·18

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, 1935

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	530	526	526	539	535	540	537	498	513	531	522	522	523	523	523	526	531	531	522	513	530	526	522	526
2	523	522	526	542	535	528	532	535	529	508	509	522	522	526	522	517	526	526	522	531	523	526	526	527	525
3	529	540	530	526	526	531	526	531	520	522	522	501	514	529	532	526	523	526	530	527	534	527	521	535	526
4	553	511	521	525	529	530	527	533	532	523	516	508	516	521	514	516	516	521	502	516	530	525	525	531	523
5	526	525	526	534	535	540	539	535	525	518	519	521	521	530	530	531	530	530	531	531	521	532	526	530	529
6 Q	530	530	531	534	531	534	534	535	530	526	525	526	526	530	530	530	530	530	531	531	532	531	530	531	530
7 Q	530	529	530	534	539	539	544	543	538	537	533	530	533	534	537	535	534	534	534	534	534	533	529	530	534
8 Q	533	534	534	538	541	543	546	547	544	539	539	537	535	532	532	537	538	541	538	533	532	532	533	542	537
9 Q	542	534	537	538	542	546	546	546	544	539	529	528	528	537	538	541	542	542	541	540	538	532	526	533	<u>538</u>
10 Q	532	532	532	532	537	540	541	541	540	540	539	538	537	536	532	532	536	538	536	536	539	535	524	532	536
11	526	543	518	522	528	532	532	533	535	536	536	532	523	522	523	535	536	536	532	532	528	528	528	519	530
12	527	528	528	528	532	531	531	531	532	532	533	532	533	539	535	533	532	534	527	532	528	527	541	525	531
13	513	523	528	528	535	540	531	532	532	531	531	527	523	522	532	532	531	530	528	527	531	526	532	531	529
14	528	531	529	531	532	532	532	532	532	528	532	536	532	536	536	536	537	538	540	537	537	536	534	554	535
15	514	523	523	532	541	543	542	538	537	537	527	525	517	524	533	533	510	519	519	528	528	532	524	537	529
16	529	529	529	529	533	538	540	539	537	533	523	524	528	535	537	534	534	542	541	537	537	529	531	529	533
17 D	523	506	510	519	533	537	533	509	524	523	528	484	486	504	519	520	522	529	530	529	524	520	532	510	519
18	512	511	520	520	524	536	532	535	532	524	515	515	519	516	522	533	529	529	532	522	537	520	523	537	525
19	538	520	523	524	528	532	529	523	528	527	523	523	533	532	528	529	533	533	528	528	532	529	524	530	528
20	525	520	537	525	529	537	519	537	529	524	519	519	524	524	528	533	533	534	533	529	524	529	528	532	528
21	528	525	524	528	532	533	534	541	533	538	529	528	524	528	529	529	532	534	526	499	502	501	489	501	524
22	516	501	516	510	514	518	524	523	520	521	523	515	524	528	529	519	519	530	531	529	524	525	512	497	519
23 D	496	508	523	528	529	533	531	536	525	533	530	528	507	503	519	519	528	523	524	515	539	529	515	520	523
24 D	523	521	528	528	528	533	532	531	531	533	514	519	521	527	527	516	497	514	523	539	515	523	533	515	524
25	523	527	525	519	524	528	528	526	523	528	520	521	523	529	525	517	518	520	523	541	531	527	523	550	526
26	518	526	524	522	527	532	528	531	530	530	518	513	517	523	528	518	533	532	535	536	536	532	546	528	528
27 D	531	531	530	531	532	536	539	541	540	538	535	527	531	531	545	559	556	556	542	500	472	489	471	476	527
28 D	459	493	489	497	512	520	503	520	510	507	504	503	517	530	536	534	534	532	531	530	530	526	529	524	<u>515</u>
29	524	522	521	525	526	526	535	534•	526	522	517	515	516	522	529	534	534	534	534	533	534	531	531	529	527
30	529	529	531	533	535	538	538	534	524	524	512	515	497	510	512	523	524	528	525	526	525	525	531	529	525
31	529	519	532	530	534	533	535	544	511	508	524	524	519	522	524	521	521	524	525	529	528	529	529	533	526
Mean	524	523	525	527	531	<u>534</u>	533	534	529	527	524	<u>521</u>	522	526	529	529	529	531	530	528	527	526	525	526	528

MAGNETIC DECLINATION (WEST)

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

270. ESKDALEMUIR (D) — 13° + — JANUARY, 1935

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	55·4	54·7	55·9	54·7	55·1	55·5	55·5	58·4	62·5	58·5	57·6	57·1	57·0	56·3	55·5	55·1	54·6	54·5	53·8	49·5	51·0	51·5	53·7	<u>55·3</u>
2	53·4	54·4	60·3	54·8	53·5	53·4	53·2	53·6	53·5	54·5	55·4	56·3	57·4	57·3	56·2	55·1	54·5	54·5	53·4	48·5	51·3	53·3	53·4	53·5	54·4
3	53·7	55·4	54·6	54·1	53·6	53·6	53·7	54·5	54·5	53·4	55·5	56·2	56·3	56·6	56·4	55·5	55·1	54·5	54·4	53·6	47·8	50·5	51·7	51·9	54·0
4	47·1	49·5	53·6	53·9	54·1	53·8	56·7	55·5	56·3	55·6	56·6	56·4	55·9	57·6	55·8	55·2	53·7	50·6	50·9	53·6	53·0	51·7	51·5	53·8	53·9
5	53·6	53·9	55·4	54·5	53·7	53·6	54·5	54·2	53·6	53·1	54·5	55·5	55·9	56·5	55·6	54·5	53·7	53·7	53·6	53·6	49·5	50·7	52·7	53·5	53·9
6 Q	53·7	54·6	54·8	54·6	54·7	54·6	54·0	53·8	53·4	53·5	53·6	54·4	54·6	55·3	54·8	54·6	54·2	54·5	54·1	53·8	53·6	53·4	52·7	52·8	54·1
7 Q	53·7	53·8	54·5	54·9	54·8	54·7	54·5	54·7	53·7	53·7	54·3	54·9	55·6	55·9	55·7	55·5	54·7	54·5	54·3	53·1	53·5	52·5	52·7	53·3	54·3
8 Q	53·6	53·8	54·8	55·6	55·7	55·7	55·1	54·5	53·7	53·7	54·6	54·7	56·0	56·5	56·0	55·3	55·6	55·5	54·8	54·5	53·1	52·7	51·0	53·8	54·6
9 Q	53·5	54·0	54·7	54·7	54·8	54·8	54·7	54·7	54·1	53·9	54·7	55·0	55·6	55·9	55·8	55·8	55·2	55·0	54·9	54·8	54·4	53·8	52·0	52·8	54·6
10 Q	53·7	53·8	54·4	54·9	54·7	54·6	54·8	54·0	53·8	54·2	54·8	55·2	56·6	56·5	56·9	57·5	56·2	56·4	56·8	55·0	54·8	53·7	51·6	50·3	54·8
11	53·8	51·8	47·8	51·7	53·1	52·9	53·8	53·8	54·1	54·5	55·8	56·9	57·1	57·9	57·0	56·8	55·5	54·8	54·6	54·1	53·8	53·2	53·0	52·1	54·2
12	51·6	52·8	53·5	53·4	53·3	53·7	53·7	53·8	53·9	54·3	54·9	54·9	55·0	56·8	55·5	55·2	55·7	54·9	52·8	53·9	53·1	51·1	49·3	47·2	53·5
13	51·9	54·0	53·7	53·0	54·2	54·0	53·8	54·4	53·9	54·0	54·3	55·1	57·0	56·9	56·2	56·0	55·2	55·2	54·2	53·3	54·5	53·1	53·9	53·3	54·4
14	53·2	53·9	43·2	43·6	53·0	52·6	53·8	53·7	53·3	53·2	55·0	55·3	56·6	55·9	55·5	55·0	54·9	54·7	54·6	54·1	54·0	54·0	53·2	49·2	54·0
15	50·0	51·5	51·8	55·1	54·9	53·3	54·1	55·1	54·3	53·7	55·7	55·9	57·1	56·9	57·0	56·5	53·7	52·1	53·7	53·7	52·7	51·4	52·2	53·4	54·0
16	53·4	54·1	54·4	54·6	54·4	54·3	54·0	54·0	53·9	53·2	54·1	55·3	56·4	57·0	56·2	55·4	54·4	54·7	55·1	54·7	53·1	52·2	53·6	48·9	54·2
17 D	44·1	51·0	42·1	50·7	50·0	51·9	53·9	57·3	61·1	59·1	57·2	56·8	56·9	60·4	56·0	58·9	54·9	55·0	54·2	54·1	53·3	51·8	38·3	49·1	53·3
18	45·0	52·9	56·1	49·9	51·2	51·1	52·5	53·1	53·1	53·1	55·6	56·0	56·7	57·9	55·2	55·5	55·1	50·9	54·1	53·9	46·2	52·4	53·1	51·9	53·0
19	49·4	52·2	54·3	53·5	53·5	52·9	53·0	53·1	54·1	54·3	56·0	55·7	55·4	56·2	56·5	55·8	55·3	55·0	55·1	54·3	51·1	53·1	52·8	52·4	54·0
20	52·0	53·1	53·1	52·3	53·0	52·2	53·4	52·4	52·3	53·1	53·7	54·6	55·3	56·7	55·9	55·0	54·1	54·1	54·2	54·3	52·2	53·9	52·9	53·8	53·7
21	53·9	52·9	53·9	53·4	53·2	53·0	52·2	52·2	52·9	55·5	54·1	57·2	56·1	56·1	55·3	54·4	54·7	54·7	55·3	52·1	51·9	50·3	47·1	49·8	53·4
22	50·4	43·1	47·0	50·5	51·9	52·1	54·7	53·9	54·0	54·6	55·1	55·3	57·0	56·1	56·0	56·0	57·0	55·4	55·7	55·4	53·3	51·0	48·4	47·6	53·0
23 D	43·1	46·6	51·7	53·7	50·2	54·2	51·3	53·0	55·1	57·0	55·9	58·2	59·0	61·5	57·9	58·2	55·2	57·0	56·7	53·1	53·3	43·6	49·6	53·1	53·7
24 D	52·1	51·9	52·1	51·0	51·0	52·5	54·0	53·7	53·9	54·7	54·7	55·4	56·2	58·0	57·1	57·3	53·1	55·2	49·0	50·2	52·6	49·4	50·2	48·1	53·1
25	52·3	53·1	54·2	52·9	53·1	53·1	53·0	53·1	54·0	56·0	55·1	56·9	56·3	56·4	57·1	56·0	55·7	55·5	54·2	49·5	51·3	53·6	51·4	49·1	53·9
26	48·0	57·3	52·4	53·1	52·2	52·6	52·6	53·7	53·0	54·1	55·1	57·0	58·0	57·0	56·2	54·2	55·0	54·9	54·9	54·3	54·0	52·9	51·0	52·1	54·0
27 D	53·0	53·1	53·1	53·5	54·0	54·1	53·7	53·3	53·4	54·0	54·1	54·6	56·2	56·3	56·4	58·1	57·2	56·6	59·2	46·1	37·4	42·6	33·3	43·2	51·9
28 D	45·3	44·2	37·3	38·1	40·7	45·0	48·3	48·8	50·4	52·4	54·8	55·7	58·1	59·0	57·0	55·5	54·8	54·4	54·9	54·9	53·0	53·8	53·3	54·1	<u>51·0</u>
29	53·2	55·1	53·0	52·5	53·1	53·1	53·2	53·2	53·2	53·5	54·2	54·9	56·1	56·4	55·6	54·5	54·3	54·2	54·1	53·7	53·5	53·4	53·2	53·3	53·9
30	53·3	53·3	54·0	54·1	54·1	54·1	53·9	54·1	56·8	56·4	57·0	59·2	59·6	59·0	56·7	55·7	54·1	53·6	53·4	53·3	52·7	51·2	52·6	53·3	54·8
31	53·9	53·2	56·2	51·3	52·7	53·4	52·8	52·8	56·1	61·1	59·3	57·8	56·1	56·0	55·1	54·0	53·2	53·2	53·2	53·2	53·3	53·3	53·4	54·0	54·5
Mean	51·4	52·6	52·8	52·9	52·9	53·2	53·6	53·8	54·3	54·8	55·3	56·0	56·6	<u>57·1</u>	56·2	55·8	54·9	54·5	54·4	53·2	52·0	51·8	<u>50·9</u>	51·6	53·9

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

271. ESKDALEMUIR. (V) 44,000 γ (·44 C.G.S.unit) + JANUARY, 1935

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	882	877	875	876	874	874	874	875	882	877	877	877	878	878	879	879	878	879	879	882	888	883	879	878	878
2	875	874	864	857	860	868	871	872	876	879	884	881	881	880	883	887	883	883	883	884	882	881	881	880	877
3	876	870	869	873	874	876	876	876	880	879	879	880	880	877	880	880	880	880	880	880	881	879	880	874	877
4	848	859	866	870	870	870	869	867	869	870	871	876	881	881	888	889	888	886	889	889	882	882	882	874	876
5	874	876	874	871	871	870	871	872	875	877	878	876	878	881	883	883	882	880	878	878	882	879	877	876	877
6 Q	877	875	875	875	875	875	875	875	876	875	876	876	876	879	881	879	879	877	876	876	876	876	877	877	876
7 Q	876	876	876	875	874	873	873	872	872	871	871	870	871	874	877	877	876	877	878	877	874	874	875	874	874
8 Q	874	873	872	872	870	871	871	870	869	867	868	868	870	871	875	875	875	874	875	876	876	876	875	872	872
9 Q	866	869	871	871	872	872	872	871	871	871	871	872	874	876	877	878	877	877	875	875	875	877	878	877	874
10 Q	874	874	874	874	873	871	871	870	870	867	867	867	867	870	871	874	874	874	876	878	876	875	879	877	872
11	875	857	868	871	871	871	871	871	869	870	871	868	867	868	875	875	875	875	874	873	874	873	872	873	871
12	872	871	870	870	869	869	869	869	869	868	872	872	870	871	873	874	874	876	878	877	877	877	870	862	872
13	868	870	872	874	871	870	871	871	874	874	877	877	872	873	876	876	876	876	877	879	877	878	875	875	874
14	874	874	874	872	871	872	872	872	872	872	872	871	870	871	872	872	873	872	872	872	872	873	872	865	872
15	872	872	872	869	869	868	868	869	870	873	873	873	873	876	876	879	884	884	881	880	880	880	879	874	875
16	872	872	873	873	872	870	870	870	871	872	870	870	867	870	873	874	874	873	872	874	874	877	878	882	873
17 D	879	857	818	852	860	863	863	866	860	862	867	877	889	886	893	893	897	887	882	879	880	881	882	860	872
18	857	868	859	861	867	866	869	869	871	872	874	873	873	877	885	884	880	883	878	879	880	878	878	875	873
19	867	870	872	873	874	873	873	874	873	874	877	878	875	876	881	881	878	878	878	878	878	877	878	879	876
20	879	879	872	873	874	872	873	872	875	875	875	872	871	874	878	877	875	875	875	875	879	877	878	876	875
21	877	877	877	876	876	875	872	869	870	871	875	877	878	881	883	882	881	880	880	893	895	884	891	891	880
22	883	881	878	880	881	880	873	873	874	875	876	880	880	884	884	885	887	884	882	882	884	887	885	880	881
23 D	869	868	862	870	870	859	866	866	868	866	865	866	871	878	881	886	886	885	885	897	881	870	874	876	874
24 D	878	877	874	873	873	871	870	870	870	871	874	875	874	875	881	888	898	895	891	883	885	886	867	871	878
25	875	870	857	867	871	875	875	874	872	871	871	872	872	873	880	884	887	887	887	880	877	876	877	871	875
26	869	857	858	866	872	873	873	872	872	872	873	876	876	876	879	884	883	881	880	880	878	879	874	877	874
27 D	877	877	877	877	877	876	875	874	873	873	873	873	873	874	875	871	869	869	878	908	924	887	881	870	878
28 D	867	870	840	845	841	836	846	851	859	871	874	875	878	883	883	882	881	881	880	881	881	881	881	881	869
29	882	880	878	879	879	879	876	876	876	877	879	878	876	878	879	879	879	879	879	879	879	879	879	879	878
30	878	876	876	876	875	875	875	876	877	875	875	875	880	884	887	886	884	883	883	882	882	882	879	876	879
31	873	871	865	867	869	870	872	872	874	873	875	872	874	876	880	880	880	880	879	877	877	877	877	876	874
Mean	873	872	868	870	871	870	871	871	872	872	874	874	875	876	880	880	880	880	879	881	881	879	878	875	875

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

272. ESKDALEMUIR JANUARY, 1935

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	21	55	545	469	8	49	76	9	10	66·8	47·1	20	19	19·7	20	46	891	871	4	9	20	210	1	84·2
2	3	59	553	490	10	1	63	2	26	63·8	47·5	19	23	16·3	15	28	888	856	4	4	32	248	1	84·3
3	23	45	566	485	11	47	81	13	40	57·4	46·4	20	36	11·0	20	9	884	860	24	0	24	243	1	84·4
4	0	7	571	490	1	4	81	6	33	58·4	43·9	1	8	14·5	19	0	892	847	0	40	45	341	1	84·2
5	5	33	544	511	20	27	33	13	2	56·7	45·7	20	42	11·0	20	45	884	871	6	0	13	112	1	84·1
6 Q	23	8	537	523	9	2	14	2	10	55·7	51·8	22	19	3·9	14	30	882	876	10	20	6	44	0	84·2
7 Q	6	35	547	525	22	40	22	13	12	56·6	51·7	21	37	4·9	17	11	878	870	9	30	8	72	0	84·2
8 Q	23	42	560	524	13	28	36	13	53	57·7	50·2	22	18	7·5	21	42	877	866	24	0	11	108	0	84·2
9 Q	0	8	561	522	22	50	39	13	23	56·2	50·9	22	40	5·3	22	50	880	864	0	12	16	130	0	84·2
10 Q	20	38	542	518	22	42	24	15	42	57·9	49·7	23	22	8·2	22	42	880	866	12	30	14	98	0	84·1
11	1	12	557	510	23	48	47	1	0	61·0	45·2	2	18	15·8	0	2	876	856	1	28	20	168	1	84·1
12	22	52	564	509	23	48	55	14	2	57·1	43·9	22	48	13·2	18	26	880	859	23	28	21	185	1	83·9
13	4	55	545	505	0	15	40	13	2	57·5	45·9	0	1	11·6	19	10	881	865	0	1	16	133	0	83·9
14	23	16	573	514	24	0	59	12	48	57·2	45·8	23	48	11·4	0	25	875	864	23	32	11	151	0	83·7
15	9	4	549	497	16	40	52	12	48	58·1	45·7	0	4	12·4	16	52	888	868	7	35	20	176	1	83·9
16	23	34	556	519	11	19	37	13	30	57·2	39·2	23	54	18·0	23	20	885	866	12	35	19	146	0	84·0
17 D	0	17	555	473	12	8	82	1	38	63·1	35·1	22	22	28·0	16	4	902	804	2	14	98	571	1	84·0
18	23	54	565	501	0	42	64	13	32	58·5	41·8	20	15	16·7	14	30	889	853	0	10	36	263	1	84·0
19	0	1	555	517	11	0	38	14	26	57·5	47·0	0	16	10·5	14	30	882	866	0	42	16	135	0	84·0
20	2	37	547	510	6	30	37	21	29	57·2	50·9	7	47	6·3	1	20	880	870	12	40	10	106	0	84·0
21	21	4	551	473	21	14	78	21	10	61·0	46·1	22	15	14·9	20	7	898	868	7	38	30	264	1	84·0
22	21	55	537	487	1	43	50	12	18	57·9	41·0	1	29	16·9	16	0	888	870	6	40	18	164	1	83·9
23 D	20	19	565	488	0	30	77	13	2	63·2	40·0	0	22	23·2	19	18	900	858	5	38	42	311	1	83·8
24 D	19	3	571	483	16	24	88	13	6	61·2	39·0	18	52	22·2	16	47	901	864	22	42	37	311	1	83·8
25	23	39	568	513	0	1	55	1	56	59·1	47·1	19	52	12·0	18	40	887	856	2	12	31	227	1	83·8
26	22	18	573	504	0	45	69	1	16	60·3	45·3	0	20	15·0	16	0	888	853	1	40	35	267	1	83·7
27 D	14	56	580	447	20	20	133	18	22	62·1	25·2	22	16	36·9	19	56	943	866	23	35	77	565	1	83·6
28 D	13	16	544	424	0	53	120	13	19	61·3	35·2	2	43	26·1	13	24	885	833	5	48	52	433	1	83·6
29	1	38	540	511	11	42	29	1	44	60·5	52·1	0	57	8·4	1	0	883	875	12	48	8	84	0	83·6
30	6	46	542	487	12	37	55	12	47	61·1	50·2	21	12	10·9	14	5	888	875	11	3	13	149	1	83·6
31	7	41	551	482	8	50	69	9	24	63·3	50·3	3	36	13·0	15	31	881	862	2	30	19	199	1	83·5
Mean	--	--	555	497	--	--	58	--	--	59·4	45·1	--	--	14·4	--	--	888	861	--	--	26	213	0·65	84·0
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 181. 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

273. ESKDALEMUIR (H) 16,000 γ (·16 C.G.S.unit) + FEBRUARY, 1935

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	533	532	531	534	533	535	535	534	522	508	498	496	507	520	526	516	501	485	474	474	486	475	465	473	508
2 D	476	492	496	505	556	520	538	523	525	514	499	495	502	506	527	498	516	519	501	487	501	505	511	513	509
3	515	515	516	521	524	528	532	535	519	506	500	495	484	495	518	517	512	519	518	521	514	511	518	521	515
4 Q	518	522	524	524	526	530	532	533	529	521	523	516	521	523	525	526	529	530	528	526	528	525	527	529	526
5	516	527	528	529	533	537	537	537	533	525	523	521	524	528	528	528	523	528	533	533	532	528	534	523	529
6	534	528	529	529	531	542	544	537	532	519	510	511	516	523	532	531	529	533	532	531	531	528	531	527	529
7	527	528	528	529	531	537	538	539	535	532	527	528	532	529	528	532	537	542	542	540	533	527	527	523	532
8	515	524	532	531	533	535	532	529	527	522	521	517	519	532	537	529	525	537	540	541	538	538	538	541	531
9	527	538	524	526	533	538	538	535	527	530	522	523	527	524	532	536	536	538	536	533	539	532	528	531	531
10	532	535	529	531	529	532	537	540	536	520	525	527	531	532	536	542	509	533	535	536	536	536	533	536	532
11 Q	534	535	532	531	531	530	534	536	537	533	529	523	526	527	531	532	533	536	537	541	537	534	534	536	533
12	536	536	523	523	528	531	528	528	532	528	523	528	527	528	533	533	540	536	535	533	536	536	536	537	531
13 D	535	532	536	531	531	531	538	539	534	533	532	533	505	518	522	518	537	532	518	495	536	477	473	549	524
14 D	491	509	533	514	528	495	520	504	504	504	500	487	495	509	514	524	522	518	526	527	541	531	531	528	515
15	539	526	526	517	514	526	530	528	524	517	514	508	513	518	517	514	491	512	513	508	509	514	522	523	518
16	524	526	525	526	527	532	535	526	526	526	518	509	503	509	524	523	522	522	530	526	532	532	535	528	524
17	537	527	518	514	524	528	530	534	521	511	510	512	517	523	522	527	530	529	531	535	540	540	530	528	526
18	530	528	549	527	536	534	544	544	530	518	509	517	527	530	532	533	527	532	530	550	523	510	522	546	530
19 Q	526	526	529	532	532	530	532	533	531	525	522	517	524	526	522	526	531	534	526	525	540	539	535	535	529
20	534	532	532	535	535	533	537	540	539	534	531	526	526	526	531	522	522	531	536	541	521	514	526	522	530
21	518	535	524	523	530	531	535	540	535	521	518	484	525	531	519	523	518	517	522	531	545	540	516	517	525
22	531	527	513	521	529	535	536	534	526	519	509	511	519	523	523	526	527	530	531	538	531	530	531	532	526
23	529	530	536	530	539	532	530	531	535	529	522	518	517	530	533	534	535	531	531	521	517	514	550	528	529
24	531	528	526	527	531	532	532	535	529	524	508	499	512	521	530	519	526	517	512	496	499	494	508	509	519
25	512	528	522	522	527	527	528	525	519	524	517	523	530	532	533	534	533	538	540	543	545	544	543	539	530
26 D	535	536	536	531	516	539	544	538	535	521	521	507	496	508	516	517	489	508	516	525	525	517	520	526	522
27 Q	525	526	525	529	526	526	533	533	525	521	516	516	520	523	522	526	525	528	530	531	532	531	530	530	526
28 Q	530	530	530	530	532	534	535	535	533	525	517	513	513	523	534	534	530	530	532	534	534	534	539	534	530
Mean	525	527	527	526	530	531	534	533	529	522	517	513	516	522	527	526	523	527	526	526	528	523	525	527	525

MAGNETIC DECLINATION (WEST)

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

274 ESKDALEMUIR (D) 13° + FEBRUARY, 1935

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	54·1	54·6	55·0	54·2	54·1	55·1	54·2	54·5	56·2	56·6	59·0	60·4	62·2	61·4	62·3	60·6	64·5	60·5	54·1	47·9	45·2	44·1	40·9	39·2	54·6
2 D	36·1	36·2	38·2	46·0	55·3	55·4	59·0	56·5	54·5	54·6	57·1	58·2	59·8	61·2	60·6	58·9	57·4	58·2	61·6	58·1	52·8	52·2	52·0	52·8	53·9
3	54·7	54·6	54·3	54·4	54·2	53·7	53·3	53·4	55·1	56·2	56·8	59·2	59·3	56·4	55·4	54·5	54·5	53·9	51·9	53·2	50·4	50·3	50·6	51·5	54·2
4 Q	52·8	53·3	56·1	54·3	53·5	53·3	53·2	53·1	52·5	53·1	54·4	54·5	55·2	55·2	55·1	54·5	54·3	53·5	53·8	53·5	53·1	53·1	52·4	52·3	53·8
5	53·3	54·4	53·7	53·4	53·3	53·1	53·2	52·3	52·5	53·1	54·5	55·1	57·2	58·2	57·4	57·2	56·3	54·4	53·6	53·3	52·6	52·2	49·5	51·3	54·0
6	52·5	53·3	53·2	53·1	52·5	52·2	52·2	52·3	52·3	52·3	53·6	55·3	56·2	56·4	55·4	54·4	54·2	53·6	53·9	53·3	53·1	52·4	52·3	50·6	53·4
7	52·6	53·4	53·2	52·4	52·8	53·1	52·6	52·2	52·5	54·0	55·1	55·8	57·1	57·3	58·7	57·5	56·0	55·2	54·6	54·2	54·2	49·6	49·6	52·0	54·0
8	49·5	51·6	53·9	53·2	52·8	52·8	52·3	53·2	53·4	53·4	55·3	56·2	57·3	57·5	57·9	57·4	55·2	54·7	53·6	53·8	53·2	51·4	50·8	50·4	53·8
9	49·5	51·4	50·1	52·1	52·4	52·7	52·4	53·3	54·1	54·3	55·4	55·6	57·6	57·2	56·4	55·6	54·7	54·5	55·0	54·8	53·7	52·2	52·0	52·4	53·7
10	52·6	53·8	52·4	52·0	52·3	53·0	52·9	52·4	53·2	53·6	54·6	56·2	56·9	57·0	56·4	57·8	56·1	56·3	55·8	54·6	53·3	53·1	52·1	51·3	54·2
11 Q	52·3	52·8	53·1	52·4	53·2	53·2	53·1	52·4	52·1	52·1	53·2	54·8	55·9	56·0	55·4	55·1	54·2	54·0	53·4	53·3	53·2	52·6	52·6	51·6	53·4
12	49·1	49·3	51·4	51·7	52·1	51·3	51·5	52·1	51·4	53·1	54·1	56·3	57·0	56·7	56·1	55·7	55·2	56·1	55·9	54·6	53·2	53·0	52·2	51·3	53·3
13 D	52·0	51·3	53·0	51·3	49·8	51·5	50·5	50·5	53·5	53·1	53·0	58·3	59·2	57·8	62·2	60·1	54·2	58·1	56·2	49·2	45·5	36·3	40·2	36·2	51·8
14 D	38·6	52·2	47·1	43·3	49·0	50·2	50·2	52·2	56·1	54·4	55·7	56·5	57·2	57·5	55·7	53·2	52·3	51·2	52·2	50·1	50·5	51·4	52·0	51·9	51·7
15	52·3	56·2	52·0	53·2	55·2	53·1	53·2	51·3	51·1	50·5	52·6	54·2	54·8	56·1	56·4	56·1	53·9	54·3	47·7	46·3	49·3	51·2	50·6	52·2	52·7
16	54·0	53·4	53·2	53·1	52·7	52·3	52·2	52·1	50·4	51·0	54·0	55·3	58·4	59·2	58·8	55·4	52·5	52·5	47·3	54·2	52·0	52·1	51·0	50·2	53·2
17	49·3	50·4	54·3	53·6	55·1	53·5	52·3	52·2	52·1	52·3	53·3	54·3	56·1	57·5	57·2	56·3	54·9	54·2	51·4	52·8	50·7	49·1	51·4	51·1	53·1
18	50·3	51·4	53·3	51·1	51·1	51·5	51·3	51·5	51·2	52·4	53·3	54·1	55·6	56·5	57·7	57·5	57·0	55·3	52·9	42·5	47·4	50·2	50·2	51·3	52·4
19 Q	52·2	52·2	53·5	54·9	53·2	52·5	52·5	52·3	51·3	51·2	53·2	54·1	55·5	57·3	56·8	55·3	55·3	54·5	51·8	53·5	53·2	52·6	52·3	52·6	53·5
20	52·6	53·2	53·2	53·2	52·3	51·5	51·2	51·1	50·2	50·4	53·3	53·7	54·4	55·3	58·3	58·4	56·3	55·3	49·6	45·5	48·3	47·7	46·4	44·9	51·9
21	52·3	52·5	47·9	51·3	51·3	50·6	52·4	51·3	52·4	51·8	54·4	58·3	57·3	58·5	59·1	58·3	52·4	50·3	55·3	54·5	47·4	46·3	48·9	50·7	52·7
22	52·3	49·1	49·8	55·5	51·4	52·5	53·1	52·4	51·8	52·3	53·3	54·3	54·9	56·3	56·2	55·6	54·6	54·3	51·4	50·5	51·1	52·2	52·2	51·6	52·9
23	51·2	52·1	51·9	52·1	51·5	52·4	54·2	52·8	52·3	52·3	53·3	55·3	57·2	58·2	59·1	56·4	56·1	54·3	53·2	53·4	53·1	51·5	45·4	46·4	53·2
24	48·1	47·3	50·2	51·8	51·9	52·2	51·9	51·4	52·3	51·9	53·8	55·3	58·3	59·5	60·8	59·3	59·3	55·4	50·5	53·3	50·4	49·3	48·1	47·9	52·9
25	49·3	50·4	44·9	46·2	46·5	48·2	49·3	51·3	52·8	54·5	55·4	56·9	58·5	60·3	59·1	56·0	55·5	55·5	55·4	55·2	54·3	53·3	52·4	52·1	53·1
26 D	51·2	49·4	45·1	44·3	49·3	50·9	50·6	51·4	52·2	52·8	54·5	57·2	59·1	59·2	59·4	60·3	54·2	50·6	52·5	54·1	52·3	47·8	51·3	51·4	52·5
27 Q	52·5	52·3	52·4	51·5	52·4	52·4	52·2	52·2	52·1	52·3	53·4	54·5	56·2	56·4	55·7	54·9	54·0	53·4	53·3	52·7	52·2	51·6	51·9	51·8	53·1
28 Q	52·1	52·2	52·1	52·1	52·4	52·3	52·2	51·4	50·3	50·1	51·5	53·9	56·1	57·0	56·2	55·1	52·6	52·9	52·9	52·9	52·5	52·2	51·3	51·3	52·7
Mean	50·7	51·6	51·4	51·7	52·3	52·4	52·5	52·3	52·6	52·8	54·3	55·9	57·2	57·6	57·7	56·7	55·3	54·5	53·2	52·3	51·4	50·4	50·1	50·0	53·2

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

275. ESKDALEMUIR. (V) 44,000 γ (·44 C.G.S.unit) + FEBRUARY, 1935

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	876	874	873	873	873	873	873	873	877	877	888	884	884	885	889	897	914	940	960	953	931	917	894	875	894
2 D	849	836	823	816	782	810	829	844	855	860	866	873	881	883	889	903	908	911	939	964	935	913	900	890	873
3	886	886	886	886	884	884	883	882	882	882	880	883	897	903	895	895	894	891	891	889	889	890	887	883	888
4 Q	883	880	877	877	879	879	879	878	877	876	879	880	881	881	883	882	879	879	879	880	879	880	882	879	879
5	879	876	875	877	878	876	876	876	876	876	876	876	876	877	883	884	881	883	881	880	880	880	880	876	878
6	872	872	872	874	877	874	871	873	873	873	878	879	878	877	881	883	881	881	881	881	881	880	878	878	877
7	877	877	877	878	877	877	877	877	876	874	874	873	873	876	879	878	880	879	878	878	881	884	881	882	878
8	883	881	877	879	880	878	877	877	877	878	876	875	875	875	878	883	887	883	882	880	880	881	878	875	879
9	874	871	874	874	875	876	875	876	875	874	875	878	879	879	882	883	883	883	883	883	883	883	883	882	878
10	879	876	878	879	879	878	876	875	875	877	876	879	878	879	877	880	888	887	884	883	882	880	880	879	879
11 Q	877	876	876	876	877	877	876	876	876	876	873	873	875	878	875	875	876	878	877	877	877	878	878	876	876
12	874	864	867	871	872	873	875	875	875	872	868	865	868	871	875	879	880	880	880	881	880	880	880	880	874
13 D	878	875	872	869	871	872	872	872	868	866	870	870	880	882	886	899	902	891	899	913	888	880	858	820	877
14 D	831	835	805	821	831	839	858	867	868	872	876	881	884	899	899	903	906	899	892	892	885	882	882	882	870
15	869	863	871	874	874	872	870	874	877	880	877	878	881	881	885	892	900	900	900	900	896	882	883	882	882
16	880	877	879	880	878	877	877	877	878	878	877	877	878	877	882	889	898	897	900	886	885	881	879	878	882
17	871	864	870	872	870	872	878	878	881	882	879	879	878	879	882	886	886	886	886	882	882	879	878	879	878
18	879	878	864	863	867	870	871	871	875	878	877	876	872	874	878	882	886	882	884	887	879	882	882	871	876
19 Q	872	875	875	874	874	875	875	875	878	876	874	872	872	874	879	882	882	882	884	881	878	878	880	879	877
20	879	879	879	878	877	876	875	875	876	876	872	875	877	877	878	883	887	885	890	884	884	887	887	880	880
21	869	851	861	868	873	873	871	870	869	871	868	869	871	873	879	883	894	902	891	887	883	877	876	879	875
22	867	864	868	864	864	868	871	872	875	874	876	875	873	872	876	882	883	883	883	880	879	883	877	876	874
23	877	876	872	875	874	873	870	871	872	873	871	867	867	870	873	877	883	883	883	886	891	893	883	871	876
24	872	872	875	876	876	876	876	875	874	874	872	871	868	873	880	894	905	915	921	920	918	913	902	899	887
25	892	876	862	865	862	861	862	862	865	863	864	862	864	866	871	879	880	880	877	877	877	877	877	877	871
26 D	877	874	871	870	869	863	861	865	869	873	872	872	877	888	892	899	895	923	907	895	892	892	888	881	882
27 Q	876	877	878	878	878	878	878	878	881	879	877	874	874	875	878	880	881	881	881	881	881	879	878	878	878
28 Q	878	878	877	877	875	875	874	875	877	877	871	871	870	870	871	877	881	881	880	879	878	878	877	875	876
Mean	874	871	869	870	869	871	872	873	874	875	874	875	876	878	881	886	889	891	892	891	888	885	882	877	878

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

276. ESKDALEMUIR FEBRUARY, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ + (h)	(m)	(γ)	Minimum 16,000 γ + (γ)	(h)	(m)	Range	Declination: Maximum 13° + (h)	(m)	(′)	Minimum 13° + (′)	(h)	(m)	Range	Vertical Force: Maximum 44,000 γ + (h)	(m)	(γ)	Minimum 44,000 γ + (γ)	(h)	(m)	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 D	5	50	544	452	22	33	92	16	30	66·7	37·3	23	31	29·4	18	28	964	866	24	0	98	597	2	83·5
2 D	4	15	570	457	0	1	113	18	11	66·1	33·1	0	34	33·0	19	36	972	777	4	18	195	1062	2	83·5
3	7	28	538	464	13	6	74	11	58	62·4	48·0	18	55	14·4	13	3	906	879	10	40	27	243	1	83·5
4 Q	7	12	537	514	11	22	23	14	14	56·4	51·8	0	1	4·6	14	20	885	875	2	50	10	83	0	83·5
5	5	33	540	518	23	35	22	14	21	58·4	45·3	22	52	13·1	15	0	884	875	11	24	9	76	0	83·4
6	6	48	547	506	11	12	41	13	12	57·2	50·2	23	10	7·0	15	22	884	869	6	50	15	131	0	83·5
7	18	36	547	513	23	10	34	14	41	59·9	47·4	22	0	12·5	21	43	888	873	12	1	15	123	1	83·3
8	23	48	553	509	{0 15	45 58	44	15	16	59·1	47·4	0	12	11·7	16	10	889	874	11	12	15	140	1	83·3
9	20	44	550	518	0	30	32	12	52	59·7	48·4	0	18	11·3	19	45	886	870	2	0	16	120	0	83·3
10	15	33	550	494	16	32	56	15	44	59·2	51·0	23	2	8·2	16	50	891	875	1	30	16	164	1	83·3
11 Q	19	38	541	522	11	15	19	13	42	56·2	48·5	24	0	7·7	22	10	879	872	11	9	7	62	0	83·3
12	0	58	559	518	0	28	41	13	27	57·6	47·4	0	55	10·2	16	3	882	863	1	30	19	149	0	83·3
13 D	23	8	637	453	21	36	184	20	8	67·2	28·4	23	2	38·8	19	38	917	809	23	20	108	787	2	83·3
14 D	23	58	554	473	11	43	81	13	23	61·3	34·3	0	12	27·0	13	50	910	800	2	40	110	628	1	83·3
15	0	16	567	485	16	29	82	1	14	59·2	43·4	19	36	15·8	16	38	903	862	1	30	41	319	1	83·3
16	18	34	569	486	18	18	83	14	30	60·3	40·6	18	26	19·7	18	22	909	875	24	0	34	294	1	83·3
17	0	48	563	507	9	53	56	13	12	58·2	46·4	20	55	11·8	16	45	887	863	1	10	24	200	1	83·2
18	2	34	574	503	20	52	71	14	40	58·3	39·3	19	23	19·0	19	14	890	859	2	50	31	256	1	83·2
19 Q	21	15	540	515	11	2	25	14	0	57·5	49·2	18	41	8·3	18	40	886	870	0	1	16	113	0	83·1
20	19	13	562	508	21	31	54	14	30	59·4	44·1	23	37	15·3	18	38	891	872	10	48	19	174	1	83·1
21	20	29	554	462	11	37	92	14	4	60·4	44·2	2	24	16·2	17	18	903	849	1	28	54	394	1	83·1
22	19	44	545	503	3	2	42	13	44	57·4	47·8	1	10	9·6	17	0	884	857	4	0	27	190	1	83·1
23	22	39	590	503	19	40	87	14	0	59·4	40·2	22	33	19·2	21	16	894	865	11	55	29	274	1	83·1
24	1	3	540	480	19	4	60	14	44	62·1	45·5	1	20	16·6	18	30	925	867	12	38	58	359	1	83·1
25	14	22	553	507	1	12	46	13	21	61·4	42·7	2	26	18·7	0	4	896	857	2	1	39	251	1	83·1
26 D	6	9	553	461	16	41	92	15	15	61·2	43·2	2	42	18·0	16	54	933	860	6	38	73	480	1	83·0
27 Q	7	40	535	512	11	4	23	12	58	57·2	51·2	20	57	6·0	17	40	882	873	12	18	9	78	0	83·0
28 Q	22	52	549	507	12	15	42	13	26	57·3	49·5	9	22	7·8	16	40	882	869	12	50	13	127	0	83·0
Mean	--	--	556	495	--	--	61	--	--	59·9	44·5	--	--	15·4	--	--	900	860	--	--	40	281	0·79	83·3
No. of Days Used	--	--	28	28	--	--	28	--	--	28	28	--	--	28	--	--	28	28	--	--	28	28	28	28

§ For explanation see page 181. 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

277. ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — MARCH, 1935

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	534	532	531	533	534	539	539	539	535	507	514	506	490	507	516	535	532	531	516	522	535	535	534	530	526
2	529	530	529	533	536	544	545	540	535	517	528	525	522	500	525	522	516	516	533	533	531	533	534	531	529
3	530	536	528	530	528	531	534	535	526	521	517	516	519	529	538	520	523	521	526	542	512	528	539	528	527
4 Q	526	530	525	530	529	530	532	531	534	528	521	516	525	529	533	530	532	530	534	535	536	535	537	536	530
5	535	538	539	538	539	539	537	536	530	519	509	513	521	530	535	533	539	539	540	536	535	529	566	531	534
6	535	535	533	532	530	534	535	540	530	521	512	511	517	529	533	532	535	527	527	524	525	521	525	525	528
7	528	528	526	529	530	534	535	537	534	529	515	516	517	525	534	537	534	543	539	534	531	534	539	517	530
8	513	516	526	525	529	528	525	525	527	524	515	517	520	525	534	539	539	536	543	529	535	525	521	526	527
9	524	522	523	534	526	526	526	526	525	523	521	520	529	533	534	517	534	535	534	538	535	535	530	531	528
10 Q	528	530	527	529	521	530	531	534	529	523	517	522	518	525	539	539	530	530	538	525	517	524	523	523	528
11	523	522	528	529	525	534	531	530	522	517	521	533	538	525	520	517	522	515	529	539	537	536	536	534	528
12	533	530	530	532	533	535	535	539	537	533	526	520	521	529	562	538	537	536	539	543	545	549	548	538	535
13 D	554	505	521	526	516	538	537	540	534	525	523	499	507	527	530	538	511	511	503	523	533	536	534	532	525
14 D	532	527	532	536	525	531	508	511	508	479	503	490	496	513	527	510	554	526	497	531	532	531	513	527	518
15 D	518	517	503	523	504	507	509	506	497	491	503	494	494	512	536	526	520	525	533	530	519	546	522	534	515
16 D	535	530	506	512	509	520	516	515	513	506	508	504	511	512	524	530	510	533	521	524	542	526	524	540	520
17	533	535	524	523	507	520	516	517	516	503	495	503	515	527	531	536	533	524	530	535	523	544	538	554	524
18	531	515	520	524	524	527	526	522	518	512	513	515	516	520	525	528	532	524	526	532	529	523	528	526	523
19	544	514	522	527	530	532	525	516	506	497	500	499	508	519	523	526	530	529	539	518	530	523	516	517	520
20	520	522	521	522	526	530	528	520	515	509	504	512	524	515	529	531	528	529	534	527	540	522	520	544	524
21	525	523	524	527	526	537	533	537	533	525	523	515	514	524	525	533	537	522	535	521	523	523	538	517	527
22	505	496	534	526	529	531	530	518	518	512	507	506	510	520	529	533	532	533	533	533	534	526	530	529	523
23	530	529	528	533	533	533	535	532	522	508	496	495	506	523	531	535	536	534	537	540	536	527	549	536	528
24	537	540	528	550	546	550	538	532	519	506	502	510	511	516	526	538	530	534	527	537	531	515	518	526	528
25	525	527	524	526	528	531	532	519	523	515	505	495	505	517	513	527	531	536	540	540	538	539	528	533	525
26	525	529	524	528	532	532	537	536	527	516	513	510	517	520	527	524	528	532	527	534	535	530	531	529	527
27 Q	521	528	531	527	528	542	538	530	522	516	513	508	513	521	536	532	533	535	538	538	537	543	541	541	530
28 Q	537	534	533	535	536	537	537	533	525	515	501	511	522	531	534	536	531	528	532	534	534	537	540	534	530
29 Q	537	533	533	537	537	536	536	533	525	517	511	511	515	522	532	537	534	533	533	536	536	543	542	542	531
30 D	542	543	542	540	540	541	541	537	531	522	512	514	536	559	548	519	548	542	543	533	537	532	526	523	535
31	532	533	531	528	520	528	537	529	520	507	501	507	500	509	520	514	529	534	537	534	532	533	534	535	524
Mean	530	527	527	530	528	532	531	529	524	514	511	510	515	522	530	529	531	530	531	532	532	532	532	531	527

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

278. ESKDALEMUIR (D) — 13° + — MARCH, 1935

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	52·2	52·3	52·0	52·0	52·2	51·5	51·2	51·4	51·1	52·3	55·5	58·5	63·2	63·2	61·7	58·6	56·3	54·4	53·4	51·3	53·2	53·2	53·3	51·7	54·4
2	51·4	52·2	51·9	52·2	52·2	52·2	52·3	52·3	53·0	53·6	55·0	56·2	59·3	59·1	58·2	57·3	55·6	56·1	54·1	53·2	52·6	51·6	51·5	51·9	54·0
3	52·5	52·4	55·4	53·3	51·5	51·2	51·3	51·0	50·6	51·0	53·6	55·8	57·4	57·3	57·2	53·3	53·0	52·6	47·7	46·4	49·6	50·6	51·5	49·6	52·3
4 Q	51·3	56·0	53·5	53·2	52·2	51·6	51·3	50·9	50·8	50·6	52·5	54·3	56·3	57·4	56·6	55·9	54·5	53·5	52·5	52·4	51·8	51·8	52·0	52·3	53·1
5	52·4	52·6	53·0	52·6	52·5	51·9	51·5	51·3	50·4	50·4	52·4	55·3	57·6	59·3	58·5	56·8	55·5	54·6	53·4	51·4	52·3	47·5	45·3	47·4	52·7
6	50·3	50·4	49·5	49·4	50·4	50·4	50·9	50·3	49·3	49·6	51·6	54·4	57·3	58·0	58·3	56·9	55·2	53·9	54·3	50·4	49·0	50·2	48·6	48·7	52·0
7	49·8	50·6	52·3	52·3	52·3	52·2	51·3	51·3	50·9	51·4	52·4	54·4	57·3	57·5	57·3	56·7	55·4	55·4	54·5	54·4	53·6	52·5	46·8	43·2	52·7
8	45·0	47·6	46·5	47·5	48·4	49·4	48·7	49·5	49·2	49·7	52·3	53·5	56·2	56·4	56·4	56·6	55·1	54·4	54·3	55·6	54·4	53·8	49·8	49·6	51·7
9	49·2	47·5	49·6	49·5	50·3	51·0	50·8	50·6	50·3	50·5	52·3	54·2	57·6	59·4	60·0	57·3	53·7	53·3	53·0	52·4	52·4	52·4	50·5	49·5	52·4
10 Q	48·2	48·3	49·3	50·4	51·5	51·6	51·4	51·3	50·5	51·2	51·8	55·3	57·4	58·4	58·3	57·5	56·5	54·4	53·5	54·3	52·5	52·0	50·6	50·5	52·8
11	48·2	47·6	51·0	51·2	50·6	51·2	49·7	49·4	51·0	51·6	55·3	55·9	60·1	60·4	61·2	60·1	58·5	54·8	53·7	53·4	53·1	52·7	52·4	52·0	53·5
12	50·8	51·4	51·8	51·9	52·0	52·2	52·5	51·5	50·5	50·7	52·3	54·5	56·2	56·5	55·8	54·8	53·7	53·4	53·8	53·5	53·3	53·3	52·6	47·9	52·8
13 D	39·6	44·7	47·2	51·2	51·3	50·3	48·0	50·3	53·3	53·8	55·4	57·9	60·2	61·7	60·5	59·9	60·2	53·7	38·5	50·1	53·8	53·3	53·0	52·3	52·5
14 D	51·9	51·6	51·4	49·0	48·4	47·7	48·8	57·6	54·3	57·2	56·4	57·4	59·3	65·9	59·8	63·8	50·4	42·7	50·5	50·8	49·2	49·1	47·1	51·4	53·0
15 D	54·5	48·9	48·0	48·0	49·4	48·5	52·7	58·5	54·2	53·6	54·4	56·0	59·4	60·3	55·5	55·6	55·3	44·7	48·4	46·7	47·8	52·9	52·7	53·4	52·5
16 D	52·2	51·2	47·6	50·0	50·5	49·6	51·4	50·1	51·1	51·4	53·8	56·5	60·3	59·2	57·3	54·6	49·4	45·1	49·9	50·1	47·9	48·8	51·5	56·2	51·9
17	52·9	51·2	50·4	50·5	51·2	51·9	51·2	51·4	50·4	51·1	53·5	55·4	56·5	59·1	56·1	54·9	54·2	52·4	51·4	52·4	51·1	45·4	48·8	53·4	52·4
18	51·1	47·1	49·9	50·1	50·4	50·6	50·5	50·1	49·7	51·4	53·4	54·8	56·1	55·7	55·6	54·0	50·9	52·4	53·2	52·3	52·7	51·3	52·8	52·2	52·0
19	51·4	46·2	50·1	50·6	50·7	49·6	50·4	48·6	48·5	50·4	54·1	56·5	59·2	58·5	57·1	54·8	53·3	52·4	52·2	50·2	50·1	48·2	47·3	49·5	51·7
20	48·2	51·8	51·2	50·4	49·8	48·8	47·7	47·6	47·2	49·1	52·4	55·3	58·2	56·6	57·3	55·7	55·6	54·4	44·4	51·0	47·3	48·1	47·9	44·2	50·8
21	47·9	49·6	50·4	48·7	49·6	50·7	52·1	51·6	50·5	50·5	53·2	57·3	58·4	60·0	61·0	59·6	58·3	50·2	48·7	52·8	52·2	50·4	46·2	40·1	52·1
22	42·3	50·2	52·9	48·3	48·5	47·6	47·4	48·1	47·7	48·2	51·1	54·0	56·1	56·4	55·4	53·8	52·9	52·6	52·6	52·2	51·4	51·0	47·9	49·4	50·7
23	51·0	51·0	53·0	51·7	50·8	50·5	50·1	49·0	47·9	48·4	50·4	53·7	57·1	58·4	57·8	56·5	54·5	52·6	51·7	51·8	51·2	48·7	51·3	49·2	52·0
24	48·3	47·2	49·3	48·3	48·1	49·5	50·7	49·4	48·3	48·9	52·3	56·5	60·0	62·4	62·6	63·2	60·0	57·4	53·6	52·9	44·7	43·9	47·1	46·7	52·1
25	47·0	47·5	47·6	49·5	50·1	50·7	51·2	51·1	50·8	49·7	53·3	56·7	58·6	59·7	59·8	57·1	55·7	53·8	53·1	52·6	52·4	50·7	50·2	51·1	52·5
26	50·5	48·6	49·6	50·1	50·7	50·8	50·2	49·4	49·6	49·3	53·0	54·0	56·3	58·2	58·9	58·6	57·0	55·2	54·2	53·5	51·4	49·2	47·5	47·8	52·2
27 Q	48·7	50·0	50·7	49·4	50·5	50·2	48·7	47·7	47·6	49·4	50·6	54·0	56·6	56·8	56·7	55·0	53·5	53·0	52·8	52·6	51·2	51·1	52·2	51·5	51·7
28 Q	51·6	51·2	51·2	50·6	50·5	50·8	60·6	49·1	47·9	49·2	52·3	56·7	58·4	57·6	55·8	54·7	53·7	53·0	52·8	53·2	53·5	53·1	51·6	51·0	52·5
29 Q	50·7	49·7	50·2	50·2	50·0	50·2	49·7	48·5	48·2	49·2	52·4	55·2	57·6	57·3	56·0	54·1	52·2	52·1	52·1	52·0	51·9	52·1	52·1	52·0	51·9
30 D	51·7	51·5	51·4	51·4	51·2	51·1	50·3	49·1	48·6	50·1	53·0	55·8	59·4	64·0	64·0	56·8	56·2	54·4	53·6	51·8	50·2	42·0	44·6	49·3	52·6
31	52·2	51·9	51·2	50·8	51·8	51·4	50·3	48·7	48·7	50·0	52·1	55·3	58·1	58·1	58·0	55·3	52·9	53·1	52·2	52·2	51·0	51·2	51·5	51·5	52·5
Mean	49·8	50·0	50·6	50·5	50·6	50·5	50·5	50·5	50·1	50·8	53·0	55·5	58·1	59·0	58·2	56·8	54·8	52·8	51·7	51·9	51·3	50·4	49·9	49·9	52·4

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 (·44 C.G.S.unit) + MARCH, 1935

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	874	874	874	874	874	874	874	874	874	875	870	870	874	881	884	882	882	881	889	899	885	883	881	881	878
2	880	877	876	875	874	873	873	874	874	877	874	874	877	886	889	895	904	896	889	885	884	882	881	880	881
3	878	873	871	866	873	873	873	874	877	875	871	873	876	877	881	890	890	890	897	886	885	881	867	872	878
4 Q	873	867	869	873	874	874	873	874	874	877	874	874	874	874	876	878	882	883	881	879	878	878	878	878	876
5	877	877	876	875	875	874	874	875	875	874	870	866	863	866	873	878	881	880	881	881	881	884	863	867	874
6	868	871	873	873	873	873	873	872	871	869	867	867	866	869	874	879	884	885	885	888	885	885	883	878	875
7	875	874	876	877	877	875	873	871	866	865	866	866	864	867	872	878	880	881	881	881	881	881	881	878	874
8	872	873	872	872	871	871	873	873	870	867	867	867	868	871	874	880	885	883	882	885	886	886	890	888	876
9	884	885	883	878	877	878	878	876	874	872	867	864	861	866	874	878	880	879	879	878	877	875	879	878	876
10 Q	876	874	874	874	874	874	874	874	875	874	873	867	867	867	871	879	885	885	886	886	890	889	889	864	878
11	882	879	875	875	875	874	874	874	870	867	864	863	862	867	880	897	897	898	894	886	882	881	879	879	878
12	878	878	877	876	876	876	874	875	877	874	870	867	867	870	871	872	874	874	874	874	874	874	874	879	874
13 D	871	867	871	870	850	852	859	860	862	863	863	867	867	868	886	904	942	960	950	904	886	882	881	881	882
14 D	879	879	875	867	870	871	870	856	852	861	862	867	880	893	927	934	967	952	935	898	870	849	861	865	885
15 D	837	815	815	816	835	848	855	849	851	862	863	867	872	876	901	902	891	901	892	886	887	865	864	865	863
16 D	858	857	857	861	861	861	863	868	871	874	872	869	870	880	885	893	903	907	895	891	879	875	876	864	875
17	861	863	871	871	871	866	868	872	874	875	877	875	872	873	879	881	884	885	884	882	885	880	865	857	874
18	838	842	857	866	871	873	875	876	875	870	868	868	869	872	875	884	892	896	897	893	880	885	876	879	874
19	868	864	868	872	875	875	875	878	879	879	873	871	872	873	877	881	883	880	881	890	890	882	883	883	877
20	879	874	870	877	879	879	879	881	879	876	874	869	869	873	876	882	891	894	902	892	886	879	883	871	880
21	865	869	870	872	875	870	865	863	863	863	860	860	863	868	877	905	922	931	916	902	898	895	879	867	880
22	859	853	845	856	866	869	871	872	872	873	873	872	872	872	875	880	882	880	879	879	878	880	880	877	871
23	875	876	874	871	874	874	875	875	875	875	873	868	863	862	868	874	880	883	882	879	879	881	874	861	874
24	861	849	846	828	844	848	857	864	869	871	868	866	868	872	875	880	884	895	895	887	890	885	880	878	869
25	875	871	867	867	869	871	871	871	867	865	861	863	863	868	878	883	883	883	880	879	879	877	879	875	873
26	876	871	871	874	873	868	868	868	868	868	862	864	866	871	880	888	892	892	891	886	883	883	879	876	876
27 Q	877	875	873	869	869	869	873	875	873	871	867	864	865	872	875	882	880	880	878	878	879	875	875	873	874
28 Q	873	873	874	875	875	875	875	877	875	871	865	859	861	868	873	879	883	884	884	883	880	880	876	875	875
29 Q	873	872	873	872	872	872	873	875	875	873	866	860	858	861	864	870	875	875	875	875	875	874	872	872	871
30 D	872	872	871	871	871	871	872	874	872	868	865	861	861	862	886	893	880	875	872	875	879	881	873	871	873
31	871	872	873	873	872	868	869	871	872	871	865	860	864	868	877	886	888	883	879	879	879	878	875	875	874
Mean	870	868	868	868	870	870	871	871	871	871	868	867	868	871	879	886	891	892	890	885	882	880	877	874	875

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

280. ESKDALEMUIR MARCH, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 44,000 γ +			Minimum 44,000 γ +			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	15	43	545	466	12	8	79	12	45	67·4	49·4	19	24	18·0	19	10	903	866	9	53	37	296	1	83·0
2	6	20	549	484	12	30	65	12	26	61·0	50·1	21	50	10·9	16	44	907	871	8	20	36	269	1	83·0
3	19	29	593	492	18	38	101	2	43	59·3	36·8	19	26	22·5	18	49	907	863	3	8	44	365	1	83·0
4 Q	1	36	541	509	12	9	32	1	19	59·0	49·3	0	1	9·7	17	0	884	865	1	43	19	138	0	83·0
5	22	9	599	508	10	36	91	13	1	59·8	43·4	21	41	16·4	21	39	887	860	22	32	27	271	1	83·0
6	7	18	544	507	11	22	37	14	0	58·5	47·9	19	55	10·6	19	38	889	866	12	28	23	164	0	83·0
7	22	47	549	507	24	0	42	13	14	58·3	42·1	23	14	16·2	19	3	882	862	12	40	20	159	1	83·0
8	18	33	548	507	0	1	41	19	7	57·9	44·4	0	48	13·5	21	50	890	866	10	30	24	176	0	83·0
9	21	2	543	511	11	0	32	14	5	61·3	46·9	1	34	14·4	0	52	885	860	12	45	25	165	0	82·9
10 Q	15	16	544	511	9	53	33	13	25	59·5	47·4	1	5	12·1	20	45	893	867	11	42	26	171	1	82·9
11	19	0	552	507	16	40	45	14	56	63·3	47·2	1	28	16·1	17	32	899	861	12	30	38	245	1	82·9
12	21	50	557	517	11	52	40	13	43	57·0	40·8	24	0	16·2	24	0	880	866	11	50	14	129	0	82·9
13 D	0	19	574	465	18	14	109	16	10	68·4	30·7	18	32	37·7	17	42	975	848	4	35	127	750	1	82·9
14 D	16	30	611	448	9	22	163	13	38	71·7	22·6	17	6	49·1	17	3	988	845	21	42	143	911	2	82·8
15 D	14	14	584	466	9	15	118	13	40	66·2	39·8	17	37	26·4	17	36	906	805	1	44	101	648	1	82·8
16 D	20	27	561	465	16	50	96	13	6	61·6	36·9	16	55	24·7	17	6	913	853	2	6	60	427	1	82·8
17	23	36	580	489	10	17	91	13	52	60·2	37·2	21	14	23·0	20	59	887	842	24	0	45	352	1	82·7
18	20	5	565	508	12	30	57	20	7	58·7	45·3	1	20	13·4	18	5	899	834	0	58	65	386	1	82·8
19	20	37	560	489	11	5	71	12	22	59·8	43·2	1	18	16·6	20	11	897	859	0	50	38	288	1	82·8
20	18	16	560	503	10	22	57	12	45	61·0	40·2	23	13	20·8	18	7	907	864	24	0	43	287	1	82·8
21	18	7	577	496	15	14	81	14	56	64·3	37·2	17	57	27·1	17	38	939	858	11	27	81	498	1	82·8
22	20	17	541	485	1	31	56	13	15	56·6	39·1	0	1	17·5	16	24	883	839	2	4	44	290	1	82·8
23	22	39	568	492	11	35	76	13	3	58·7	45·4	23	54	13·3	17	19	884	858	23	20	26	242	1	82·8
24	3	5	572	494	10	52	78	15	33	64·5	39·5	20	46	25·0	18	17	898	821	3	26	77	475	1	82·7
25	21	38	546	490	11	34	56	13	40	61·8	45·7	2	14	16·1	15	18	885	861	10	40	24	200	1	82·8
26	20	48	549	506	11	51	43	14	23	59·5	46·7	22	52	12·8	16	14	893	861	10	40	32	215	0	82·9
27 Q	21	18	549	501	11	54	48	12	44	57·5	46·4	8	19	11·1	15	40	883	861	11	46	22	178	0	82·8
28 Q	22	37	545	500	10	27	45	12	26	59·1	47·7	8	32	11·4	18	12	885	857	11	47	28	200	0	82·8
29 Q	21	14	551	508	11	18	43	12	57	58·2	47·7	7	52	10·5	7	30	876	857	12	0	19	156	0	82·7
30 D	13	40	592	486	12	13	106	14	40	68·5	40·2	21	15	28·3	15	3	902	856	12	20	46	382	1	82·7
31	6	50	545	490	10	0	55	13	9	59·3	48·0	7	28	11·3	16	9	892	859	11	50	33	239	1	82·8
Mean	--	--	561	494	--	--	67	--	--	61·2	42·7	--	--	18·5	--	--	900	855	--	--	45	312	0·74	82·9
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 181. 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

281. ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — APRIL, 1935

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	534	535	533	533	532	532	528	523	510	503	496	497	505	511	518	523	528	532	537	536	534	533	537	533	524
2 Q	533	532	532	533	534	535	533	528	516	502	494	496	503	511	523	529	532	536	539	539	537	536	536	536	526
3	537	537	540	540	540	541	540	531	517	507	504	506	510	525	536	541	536	540	542	545	545	545	553	542	533
4	537	542	537	532	536	536	536	531	521	510	506	504	512	518	531	528	542	539	549	540	540	540	544	539	531
5	537	537	536	534	534	541	536	527	513	499	491	499	510	526	536	540	542	546	548	546	543	541	545	544	531
6 Q	536	533	537	540	541	541	540	532	522	512	505	502	509	517	523	536	541	545	546	546	545	545	545	545	533
7 Q	545	545	542	544	545	546	549	547	536	519	500	494	496	513	530	542	547	548	546	547	549	547	546	545	536
8	541	541	536	541	545	558	556	547	531	495	501	494	518	527	532	536	558	556	556	556	554	552	558	554	539
9 D	548	541	549	541	556	542	523	489	491	499	480	477	482	499	510	511	526	536	537	536	532	531	528	527	520
10 D	530	531	536	536	536	536	536	533	523	512	489	508	536	518	533	505	563	560	541	560	513	508	509	514	528
11 D	517	494	531	527	512	518	519	497	467	467	391	440	467	518	500	522	522	536	555	531	527	532	545	560	508
12 D	501	513	518	500	513	506	495	518	481	468	477	481	485	489	513	536	542	546	536	554	531	523	522	518	511
13 D	518	537	490	548	513	522	523	516	496	497	494	467	485	503	536	550	550	554	550	527	536	546	536	528	522
14	517	519	518	522	518	518	522	518	505	494	496	500	502	502	509	522	528	536	538	532	531	531	531	531	518
15	527	525	518	524	518	529	531	528	515	499	494	499	504	513	522	524	540	541	549	542	536	536	540	537	525
16	533	531	531	531	532	532	523	531	530	514	508	490	501	507	518	542	535	531	526	531	531	534	532	550	526
17	517	532	522	531	519	523	527	526	517	511	505	505	509	518	526	536	531	542	543	536	534	533	536	531	525
18	531	531	532	531	546	524	509	520	513	504	505	493	494	511	518	522	536	532	540	545	544	531	523	545	524
19	527	527	527	531	531	531	527	522	514	504	494	498	495	515	521	537	547	541	536	538	549	537	531	531	525
20	541	528	524	528	531	531	531	525	512	499	486	494	506	519	531	536	531	537	541	541	536	531	533	532	525
21	531	536	531	527	532	532	528	523	513	499	496	499	505	514	531	536	536	542	540	541	534	532	530	528	526
22	529	531	531	528	531	527	525	519	508	499	497	499	505	519	533	542	543	539	536	541	537	540	538	536	526
23	532	532	540	542	545	540	541	538	527	509	494	497	504	503	527	536	538	541	545	546	531	531	514	526	528
24	529	526	530	526	527	528	524	519	511	504	499	501	507	519	533	538	552	549	544	541	543	534	531	531	527
25	531	531	530	536	536	531	525	527	518	510	501	499	507	518	536	540	545	545	542	539	537	541	544	542	530
26	540	536	536	533	532	531	534	533	524	511	500	504	514	522	528	532	543	546	550	548	545	545	541	539	532
27 Q	536	537	531	532	531	531	527	527	522	515	513	509	516	522	529	535	537	543	545	543	542	541	541	542	531
28 Q	538	536	534	535	531	534	532	531	524	521	517	518	525	532	539	538	537	542	546	546	549	547	545	544	535
29	545	541	541	541	540	536	531	531	529	524	522	523	527	531	536	536	539	545	546	550	547	547	549	550	538
30	547	543	542	542	542	542	540	536	527	509	509	520	527	540	541	541	550	554	546	554	554	550	554	554	540
Mean	532	532	531	533	533	532	530	526	514	504	495	497	506	516	527	533	540	543	543	543	539	537	537	538	527

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

282. ESKDALEMUIR (D) — 13° + — APRIL, 1935

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

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

283. ESKDALEMUIR (V) 44,000 γ (·44 C.G.S.unit) + APRIL, 1935

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	875	874	874	874	873	875	878	880	880	878	875	870	865	864	870	872	875	875	876	878	875	875	875	875	874
2 Q	875	875	875	874	873	873	875	877	876	874	870	864	861	861	868	871	874	875	874	874	875	874	873	873	872
3	874	874	872	872	871	871	874	875	873	871	867	862	864	865	867	868	871	871	871	871	871	871	871	871	870
4	872	869	866	868	867	868	871	874	874	871	865	860	860	864	868	875	875	879	877	877	875	873	868	866	870
5	867	868	871	871	871	870	868	875	874	870	864	860	861	864	868	871	871	871	871	871	871	873	869	867	869
6 Q	867	868	868	871	871	871	871	872	871	871	868	866	861	864	869	868	869	870	870	870	870	870	871	871	869
7 Q	872	872	872	872	870	869	871	871	870	870	868	864	859	858	862	866	870	873	873	872	872	871	869	868	869
8	868	866	869	868	866	863	860	861	865	866	860	854	851	857	868	868	872	873	872	871	869	869	869	866	865
9 D	866	869	860	826	806	813	820	839	842	846	854	860	872	877	889	899	901	893	887	882	878	876	876	876	863
10 D	874	873	872	872	872	873	875	876	872	867	863	858	854	862	869	888	884	920	946	929	932	899	847	843	880
11 D	847	805	813	831	849	847	851	860	866	862	870	876	877	885	903	932	904	909	903	899	884	837	823	823	865
12 D	838	846	846	850	847	844	847	857	866	868	866	862	865	880	887	883	909	900	894	888	880	877	855	833	866
13 D	846	817	804	809	839	846	855	863	868	868	869	869	871	873	887	900	903	903	898	886	885	861	848	857	864
14	862	860	863	869	872	872	874	875	872	872	869	865	865	867	876	883	881	884	885	884	883	877	876	874	873
15	873	873	871	862	866	863	866	870	872	874	870	865	865	868	872	873	876	875	875	875	875	875	874	874	871
16	875	875	875	875	874	873	872	868	865	864	862	864	860	861	867	873	885	898	896	889	886	882	874	853	874
17	853	854	856	853	858	860	864	864	864	861	861	860	859	859	862	871	884	887	890	888	883	880	879	876	868
18	875	874	872	868	846	857	866	868	868	868	867	862	859	857	860	865	871	879	879	879	879	876	875	859	868
19	858	866	871	871	871	872	875	876	872	868	871	868	864	865	873	880	885	887	886	882	877	873	872	871	873
20	860	856	866	870	871	872	875	875	872	868	865	862	857	858	864	868	875	875	875	875	875	875	875	875	869
21	873	866	865	868	868	865	865	865	864	865	864	861	861	864	871	873	875	878	879	878	879	876	876	875	870
22	875	875	875	875	875	875	875	872	867	864	861	857	856	860	868	875	880	883	887	886	880	878	875	874	873
23	874	873	873	873	873	875	875	875	871	866	861	857	858	865	868	871	873	879	879	879	882	883	872	862	872
24	849	861	863	867	873	875	875	874	871	869	868	865	864	865	868	871	875	878	879	879	876	876	877	871	871
25	873	873	873	865	861	866	867	865	864	863	861	856	849	852	861	870	871	875	877	876	874	872	871	871	867
26	871	871	871	872	874	873	869	868	866	862	860	855	850	855	863	868	874	876	876	876	875	874	871	868	868
27 Q	868	865	868	870	872	873	873	873	871	868	865	864	860	860	864	869	872	872	873	873	873	872	872	871	869
28 Q	871	871	871	868	871	871	871	868	865	864	859	857	857	861	865	867	865	868	871	872	871	871	871	871	867
29	870	870	869	869	869	871	871	865	858	860	861	860	858	856	858	864	864	866	869	870	870	870	870	869	866
30	867	867	867	867	867	867	867	867	863	861	855	843	841	847	857	863	866	872	874	870	870	870	868	867	864
Mean	866	864	864	864	865	865	867	869	868	867	865	862	860	863	870	875	878	881	882	880	878	874	869	866	869

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

284. ESKDALEMUIR APRIL, 1935

Day	Terrestrial Magnetic Elements																					HR_H+VR_V §	Magnetic Character of Day (0-2)	Temperature in Magnet House
	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 γ^2		200 +
	h	m	γ	γ	h	m	γ	h	m	′	′	h	m	′	h	m	γ	γ	h	m	γ			°A
1	17	53	541	492	11	38	49	13	30	57·5	47·0	8	15	10·5	8	10	882	864	13	0	18	162	0	82·7
2 Q	20	26	543	491	11	6	52	13	50	59·1	45·5	8	41	13·6	8	35	878	860	13	0	18	167	0	82·7
3	15	5	549	503	10	24	46	13	38	57·9	45·4	8	30	12·5	7	26	876	861	12	0	15	143	0	82·7
4	18	20	551	500	11	24	51	14	35	59·4	45·2	22	15	14·2	17	35	879	859	12	3	20	174	1	82·6
5	22	23	553	485	10	20	68	14	10	58·4	45·6	7	47	12·8	7	35	875	860	12	0	15	179	0	82·6
6 Q	19	6	549	500	11	15	49	13	25	58·4	473	8	0	11·1	8	5	873	861	12	40	12	135	0	82·5
7 Q	20	27	553	491	11	55	62	13	50	58·5	46·4	9	14	12·1	17	46	874	857	13	3	17	178	0	82·6
8	16	21	581	487	11	18	94	13	37	62·2	46·6	23	0	15·6	17	10	875	850	12	23	25	267	1	82·5
9 D	3	14	574	472	11	58	102	13	32	62·6	41·1	3	33	21·5	15	59	903	805	4	48	98	608	1	82·5
10 D	16	58	609	467	10	53	142	14	59	69·6	34·5	20	31	35·1	18	34	963	835	23	35	128	809	2	82·6
11 D	21	9	605	362	10	38	243	14	21	65·4	34·8	22	33	30·6	15	14	943	788	1	55	155	1097	2	82·6
12 D	16	53	623	449	9	17	174	14	26	61·3	38·0	16	46	23·3	16	40	922	823	23	4	99	732	2	82·6
13 D	16	59	609	462	11	49	147	13	30	61·8	43·5	16	43	18·3	16	42	913	794	2	35	119	777	1	82·7
14	21	3	549	486	9	38	63	12	23	57·9	46·2	7	21	11·7	18	30	887	858	1	30	29	234	1	82·7
15	17	50	559	490	10	43	69	13	25	57·0	45·4	8	24	11·6	16	20	875	860	5	42	15	181	1	82·7
16	22	58	569	477	11	20	92	15	37	56·3	42·6	23	26	13·7	17	55	900	852	24	0	48	368	1	82·7
17	18	50	550	501	11	56	49	13	39	58·4	43·5	0	10	14·9	18	15	892	852	0	1	40	261	1	82·7
18	4	16	566	476	11	53	90	14	17	58·3	39·5	20	42	18·8	20	40	882	845	4	29	37	315	1	82·7
19	20	40	555	490	12	0	65	14	4	57·9	45·5	20	42	12·4	17	20	888	853	0	1	35	264	1	82·7
20	0	36	566	482	10	52	84	13	41	57·6	45·6	8	45	12·0	22	55	876	853	0	55	23	242	1	82·7
21	4	52	567	495	10	15	72	12	55	56·6	45·4	7	4	11·2	18	0	880	860	12	0	20	209	0	82·7
22	16	20	551	491	10	34	60	13	28	57·7	44·6	8	5	13·1	18	40	888	856	12	36	32	243	0	82·7
23	19	10	554	489	10	40	65	12	22	58·5	42·5	22	3	16·0	21	4	886	853	24	0	33	255	1	82·7
24	16	14	562	495	10	38	67	13	10	56·8	46·4	8	4	10·4	18	10	880	848	0	22	32	255	1	82·7
25	16	8	557	498	11	26	59	12	56	58·5	44·5	4	30	14·0	18	10	877	849	12	50	28	223	1	82·7
26	18	38	554	500	10	55	54	14	18	56·5	46·4	7	21	10·1	18	15	877	850	12	24	27	210	0	82·7
27 Q	18	22	547	503	11	43	44	14	0	59·5	45·4	7	59	14·1	18	56	875	859	13	18	16	145	0	82·7
28 Q	20	24	550	514	11	12	36	13	45	55·4	46·9	6	59	8·5	19	42	873	856	12	30	17	135	0	82·7
29	23	39	555	519	10	45	36	14	4	56·5	47·7	7	7	8·8	5	40	871	856	13	40	15	126	0	82·7
30	17	0	564	504	10	40	60	13	41	60·7	46·6	7	38	14·1	18	5	876	840	12	10	36	261	1	82·7
Mean	--	--	564	486	--	--	78	--	--	59·1	44·2	--	--	14·9	--	--	888	847	--	--	41	312	0·70	82·7
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 181. 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

285. ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — MAY, 1935

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	550	549	547	548	546	539	537	533	524	515	510	510	521	573	541	529	524	532	546	574	556	555	541	500	537
2 D	492	509	496	519	518	515	510	509	501	503	510	511	520	522	532	532	537	540	540	540	539	537	537	537	521
3	538	538	532	531	532	530	533	529	524	516	511	508	499	530	533	533	537	534	533	535	534	533	529	530	528
4	532	530	528	526	524	524	522	515	507	502	506	509	512	521	533	539	538	534	536	538	538	538	536	533	526
5	539	534	533	533	533	533	528	524	516	509	506	507	508	522	532	538	543	548	539	543	544	540	540	540	531
6 Q	544	544	539	537	536	535	534	529	524	512	502	505	513	521	529	534	539	543	546	545	543	544	545	545	533
7	553	546	545	545	546	544	543	539	534	529	513	507	511	525	538	537	545	551	551	552	550	545	544	542	539
8 Q	543	542	541	539	538	537	535	532	521	513	506	502	504	513	524	536	545	549	550	552	549	546	545	542	533
9 Q	540	540	540	540	540	538	535	530	521	511	506	508	513	521	526	535	540	550	549	549	546	545	545	542	534
10 D	543	541	541	540	542	544	548	550	545	534	521	518	533	526	537	549	603	568	547	567	554	510	522	531	542
11	535	514	526	518	517	521	530	525	522	519	512	494	500	517	525	531	544	555	550	555	547	546	552	538	529
12 D	526	544	543	548	531	519	503	507	498	492	497	508	517	527	539	528	544	549	545	546	548	573	527	530	529
13	537	532	537	526	525	523	542	535	524	512	508	517	525	534	540	546	544	545	538	545	545	549	548	545	534
14	542	541	542	544	540	539	528	530	525	514	506	509	512	522	534	536	535	541	540	536	538	536	535	535	532
15	535	533	531	530	531	530	524	519	519	515	513	517	525	523	534	531	544	546	549	562	542	539	542	531	532
16	545	551	543	537	536	534	503	523	501	487	497	496	519	524	510	523	546	553	550	548	547	542	540	539	529
17	544	531	533	535	537	534	528	522	516	510	505	507	514	517	530	540	548	551	547	545	541	540	536	535	531
18	535	535	535	533	536	535	530	525	518	509	504	509	520	528	540	546	549	558	547	545	556	539	525	524	533
19	532	534	530	531	536	534	528	524	511	500	500	509	522	526	532	538	548	542	547	548	541	547	545	540	531
20 D	539	544	535	535	545	544	494	466	496	511	507	504	518	525	529	543	549	546	547	535	536	538	531	530	527
21	525	527	528	531	529	526	528	523	508	497	485	489	492	504	521	522	533	549	549	547	540	533	536	532	523
22	521	525	514	529	528	522	517	521	517	512	509	517	520	519	512	531	531	538	547	553	545	539	532	531	526
23	530	529	527	526	526	526	520	512	508	510	513	513	512	514	519	538	546	552	558	552	543	537	526	523	527
24 Q	531	530	527	528	530	528	530	530	523	514	512	514	517	526	542	544	553	558	555	549	544	540	537	532	533
25 Q	531	536	531	534	537	541	541	536	531	520	509	506	510	522	537	539	550	559	563	560	555	551	551	547	537
26	546	545	536	537	546	541	538	528	520	515	515	512	504	515	513	526	541	551	556	551	549	548	545	545	534
27	541	541	541	541	541	542	541	539	533	526	530	526	523	536	532	539	551	553	563	559	557	551	546	541	541
28	537	537	540	541	541	541	541	537	533	532	525	524	526	526	528	533	541	546	554	554	555	554	550	551	539
29	548	547	544	546	548	548	545	538	527	520	526	519	524	533	537	531	537	552	568	559	552	551	548	547	541
30	544	543	542	543	546	543	539	531	517	511	512	515	516	542	522	534	543	560	569	559	553	551	552	554	539
31	543	537	538	540	544	548	547	534	521	510	505	505	514	532	548	554	562	562	551	555	548	546	546	541	539
Mean	537	536	534	535	536	534	530	526	519	512	509	509	515	525	531	536	545	549	549	550	546	543	540	537	533

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

286. ESKDALEMUIR. (D) — 13° + — MAY, 1935

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

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

287. ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — MAY, 1935

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	867	867	867	867	869	870	870	870	865	863	860	858	855	852	871	877	890	900	897	889	886	878	864	811	869
2 D	778	789	815	831	845	868	875	878	876	871	865	863	863	867	875	878	878	878	878	878	875	874	874	873	860
3	874	873	873	873	873	873	873	873	869	866	865	864	866	866	869	871	876	880	879	877	877	877	877	877	873
4	877	877	877	877	878	878	877	874	869	863	861	859	862	865	871	876	880	881	880	877	876	875	875	874	873
5	871	870	873	875	877	877	877	874	869	865	865	865	864	862	869	873	874	877	877	874	874	873	873	873	872
6 Q	873	873	873	874	876	876	874	870	867	869	869	866	865	869	873	877	880	880	878	877	874	873	873	873	873
7	871	873	873	874	875	876	873	872	869	865	866	862	858	857	863	869	873	877	877	876	874	874	874	873	871
8 Q	873	873	873	874	877	876	873	873	869	865	862	852	852	856	862	867	873	877	877	876	875	874	873	873	870
9 Q	873	873	874	874	876	874	873	870	867	865	862	856	855	859	864	866	869	874	877	877	875	874	873	873	870
10 D	872	872	873	872	873	873	872	868	866	860	855	851	850	859	864	866	871	889	904	896	899	898	888	883	874
11	872	858	856	865	865	868	865	859	857	855	851	848	851	858	863	868	874	881	888	883	880	878	873	861	866
12 D	857	854	838	841	842	845	852	854	858	856	851	847	851	858	868	875	878	880	878	877	878	869	860	862	860
13	866	869	863	858	861	862	859	863	863	862	854	851	858	863	866	867	870	873	874	874	873	873	873	874	865
14	873	869	865	862	864	866	870	867	865	861	856	859	863	866	872	876	878	880	880	878	876	876	876	876	870
15	876	876	876	876	876	876	877	876	871	868	866	858	857	862	864	867	872	873	876	877	882	880	876	876	872
16	867	855	856	861	866	868	869	853	855	852	852	847	846	853	865	874	877	879	880	880	878	879	878	877	865
17	871	872	872	875	877	879	876	874	868	864	860	858	860	861	867	871	875	875	378	876	875	874	875	875	871
18	875	875	875	876	876	878	879	879	873	864	856	852	850	858	865	872	877	880	882	882	882	878	875	871	872
19	863	848	849	863	870	872	872	875	873	868	864	863	864	871	875	878	882	889	890	889	888	881	876	872	872
20 D	871	863	857	826	803	836	849	845	845	848	849	856	864	872	886	897	891	886	882	884	882	879	876	868	863
21	867	867	872	876	879	879	879	882	883	882	871	864	867	871	878	882	882	886	889	889	891	885	879	865	878
22	857	863	865	864	869	872	873	871	870	862	859	863	870	875	879	878	877	878	878	878	882	881	878	876	872
23	875	875	874	874	874	874	874	874	867	860	856	855	859	863	863	867	874	878	883	881	881	878	878	878	871
24 Q	874	873	874	874	874	874	872	870	871	870	863	858	857	860	868	876	880	881	881	881	879	878	876	877	873
25 Q	875	872	874	875	878	877	875	876	871	867	865	864	859	859	869	867	873	873	874	874	873	873	873	873	871
26	873	870	873	874	875	877	873	873	868	865	862	859	862	869	876	879	878	879	883	883	880	878	872	872	873
27	872	872	872	873	875	875	871	868	864	861	862	864	861	861	868	875	880	881	879	879	879	879	877	876	872
28	876	875	875	874	875	875	874	875	873	868	864	862	864	862	869	872	874	877	875	875	875	874	873	872	872
29	872	872	872	871	871	871	866	867	866	862	858	849	850	858	862	868	868	868	874	878	877	873	871	870	867
30	870	870	870	871	873	874	871	868	862	858	855	855	862	866	871	878	881	880	877	878	878	875	871	863	870
31	866	870	871	873	871	865	862	862	862	858	853	847	851	858	867	874	875	877	881	885	882	877	873	873	868
Mean	868	866	867	868	869	871	871	869	867	863	860	857	859	862	869	874	877	880	881	880	879	877	874	871	870

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

288. ESKDALEMUIR — MAY, 1935

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 D	15	49	615	446	14	54	169	13	32	65·3	17·3	23	23	48·0	17	37	902	777	24	0	125	840	2	82·7
2 D	18	24	551	464	0	6	87	13	18	56·7	27·3	2	10	29·4	17	26	880	774	0	12	106	620	2	82·8
3	16	57	548	483	12	32	65	12	24	57·7	46·3	8	32	11·4	17	30	881	862	11	20	19	192	1	82·8
4	15	47	550	501	8	58	49	13	37	55·5	45·8	7	12	9·7	17	0	881	858	11	15	23	184	0	82·9
5	17	37	550	503	10	58	47	13	12	56·7	46·0	8	4	10·7	5	30	877	862	13	10	15	145	0	83·0
6 Q	0	50	550	498	10	27	52	13	42	56·7	45·8	8	38	10·9	16	40	881	865	12	10	16	158	0	83·0
7	0	9	558	506	11	32	52	13	30	56·4	45·8	6	57	10·6	18	55	878	855	13	18	23	189	0	83·1
8 Q	19	3	553	501	11	55	52	14	26	55·8	44·8	8	58	11·0	18	1	877	851	11	45	26	203	0	83·1
9 Q	17	50	559	503	10	43	56	14	20	55·1	47·0	6	33	8·1	19	20	877	854	12	10	23	195	0	83·1
10 D	17	24	616	503	20	20	113	17	25	59·8	39·6	20	48	20·2	20	45	907	848	12	15	59	451	1	83·1
11	19	15	571	480	11	24	91	14	14	56·9	36·8	1	0	20·1	18	30	889	847	11	14	42	339	1	83·1
12 D	21	28	631	490	9	46	141	12	4	57·6	37·6	21	26	20·0	17	20	880	837	2	23	43	426	1	83·1
13	22	33	564	502	10	34	62	13	21	56·8	44·3	4	45	12·5	18	29	877	851	11	31	26	219	1	83·1
14	18	8	544	499	10	49	45	1	30	54·6	44·6	8	21	10·0	18	20	880	855	10	34	25	186	0	83·1
15	19	11	579	512	10	33	67	13	14	56·6	44·7	8	4	11·9	20	38	883	857	11	40	26	228	1	83·1
16	1	52	563	471	9	39	92	6	50	61·1	43·6	2	38	17·5	18	20	880	846	12	36	34	305	1	83·1
17	17	42	554	503	11	3	51	13	36	56·2	43·6	6	51	12·6	5	50	880	857	11	41	23	183	0	83·1
18	20	46	573	502	10	28	71	13	13	55·6	36·6	24	0	19·0	20	38	884	849	12	20	35	274	1	83·1
19	18	24	553	495	9	44	58	13	50	56·7	36·6	0	1	20·1	18	0	893	845	2	0	48	312	1	83·1
20 D	18	14	556	448	7	17	108	3	38	65·5	42·7	1	59	22·8	15	21	900	781	4	4	119	712	1	83·1
21	19	2	564	483	10	52	81	14	13	55·5	41·5	23	28	14·0	20	20	890	857	24	0	33	282	1	83·1
22	20	47	562	503	2	37	59	13	49	54·8	43·6	0	48	11·2	20	36	885	856	0	14	29	232	1	83·2
23	18	40	559	506	8	36	53	13	9	54·9	45·5	7	40	9·4	18	20	884	853	11	20	31	226	1	83·3
24 Q	17	10	558	509	10	52	49	12	30	57·7	45·8	8	18	11·9	17	50	881	855	12	20	26	198	0	83·3
25 Q	18	18	566	504	10	48	62	14	4	56·5	44·3	8	20	12·2	4	49	878	858	14	0	20	187	0	83·3
26	18	54	564	500	12	15	64	12	40	57·7	44·3	7	59	13·4	18	30	884	858	11	36	26	227	0	83·4
27	18	30	567	520	12	54	47	14	0	56·7	44·5	7	50	12·2	17	38	882	860	13	10	22	177	0	83·4
28	20	34	557	517	13	43	40	14	24	54·5	43·7	6	22	10·8	17	26	878	861	13	15	17	147	0	83·5
29	18	28	577	515	11	40	62	13	10	57·5	44·4	7	8	13·1	19	49	878	848	12	0	30	237	1	83·5
30	22	58	583	496	12	24	87	12	40	57·1	43·5	6	28	13·6	16	20	884	854	11	12	30	279	1	83·5
31	16	50	568	498	11	23	70	13	30	56·7	45·5	8	24	11·2	19	15	885	846	11	49	39	290	1	83·5
Mean	--	--	567	496	--	--	71	--	--	57·2	42·1	--	--	15·1	--	--	884	846	--	--	37	285	0·65	83·1
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 181. 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

289. ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — JUNE, 1935

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	540	538	540	538	539	534	533	527	514	502	501	506	511	520	536	537	544	545	552	550	548	547	545	542	533
2 Q	541	541	542	542	542	537	534	526	513	505	501	500	507	510	520	532	541	551	551	555	550	548	545	543	532
3	545	545	544	543	542	542	539	532	522	507	506	513	520	527	539	542	548	553	556	557	556	551	551	550	539
4	546	551	552	561	556	557	548	540	529	525	518	513	520	542	549	557	549	551	578	561	566	551	551	547	547
5	547	552	547	546	543	546	547	537	521	511	505	510	516	532	525	566	561	553	563	562	561	558	556	552	542
6	551	548	546	542	540	537	538	538	531	519	502	492	506	520	533	546	551	556	556	567	552	553	548	546	538
7 D	546	541	544	551	551	550	537	520	528	525	520	520	538	522	529	540	592	579	565	555	533	478	506	473	535
8 D	498	510	478	520	521	518	509	493	470	456	478	489	505	497	524	516	539	533	561	551	549	542	543	556	515
9 D	558	534	533	538	539	541	543	539	529	525	500	499	538	521	566	575	552	587	571	545	538	526	517	516	539
10 D	539	531	525	520	512	517	512	509	489	480	494	506	527	511	553	539	572	559	585	575	547	534	534	539	530
11	538	532	531	526	517	513	507	500	497	493	495	505	526	541	541	541	589	587	577	575	542	537	534	536	533
12	525	526	526	526	524	518	510	505	506	507	512	517	524	525	535	535	552	539	553	560	552	534	538	539	529
13	529	520	530	521	526	520	516	512	507	502	503	525	527	541	543	548	546	544	552	548	543	539	535	529	529
14	520	529	523	527	530	523	517	511	508	504	516	520	523	534	534	541	539	538	539	538	533	535	534	533	527
15 Q	530	530	529	529	529	526	517	508	504	503	504	512	522	529	535	536	537	541	548	544	540	539	535	531	527
16 Q	530	530	531	535	531	527	522	522	519	515	512	517	529	535	537	544	549	550	548	558	553	549	545	545	535
17	549	548	542	545	544	540	532	525	513	512	520	526	536	546	550	552	545	573	578	576	568	545	525	538	543
18 D	532	544	534	531	517	527	522	510	499	495	481	483	496	510	558	602	608	611	610	583	525	502	487	485	531
19	506	506	539	522	520	512	505	496	492	481	485	463	493	492	520	533	551	551	547	546	543	547	542	546	518
20	542	532	520	513	524	536	524	520	505	496	493	494	497	508	525	538	540	552	550	553	542	538	543	530	526
21	521	535	537	535	537	538	531	524	511	501	493	495	499	518	530	553	553	571	550	546	542	536	538	534	530
22	530	529	530	532	533	534	533	523	510	497	484	485	494	500	517	533	542	549	553	555	549	545	544	548	527
23	545	546	545	544	544	539	535	530	516	502	494	494	499	515	534	546	541	548	548	549	549	546	548	541	533
24	539	537	535	535	540	540	535	528	512	504	506	513	521	525	535	543	548	548	548	550	553	551	545	540	535
25 Q	540	536	537	540	540	536	533	527	518	509	504	501	512	522	535	540	549	552	553	559	554	549	542	541	535
26	541	541	537	539	540	537	532	526	512	512	511	515	529	525	524	530	537	546	553	559	559	558	558	558	537
27	563	554	537	542	542	539	532	526	516	510	508	522	536	543	544	551	545	546	559	562	555	554	550	547	541
28	546	547	545	546	541	534	532	524	521	518	518	511	524	528	537	533	541	544	569	559	556	558	537	533	538
29	532	542	537	536	532	532	527	519	509	509	508	512	532	541	546	547	559	555	550	550	559	554	547	544	537
30	545	548	543	531	532	529	526	518	512	512	519	531	533	529	536	546	546	552	550	559	557	547	539	541	537
Mean	537	537	535	535	534	533	528	521	511	505	503	506	518	524	536	545	552	555	559	557	549	542	539	537	533

MAGNETIC DECLINATION (WEST)

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

290. ESKDALEMUIR — 13° + — JUNE, 1935

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

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

291. ESKDALEMUIR (V) — 44,000 γ (·44 C.G.S.unit) + — JUNE, 1935

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	873	873	871	873	873	876	874	874	871	865	857	847	849	854	859	868	876	872	873	873	871	870	870	871	868
2 Q	871	871	872	871	871	873	871	873	871	871	865	858	861	863	863	870	874	877	877	874	873	870	870	870	870
3	870	870	870	870	870	870	870	869	865	862	855	850	850	852	859	866	874	877	873	873	871	877	871	869	867
4	869	869	869	864	862	854	859	861	864	859	851	854	852	858	860	869	876	880	877	883	879	875	868	868	866
5	867	866	868	868	869	868	868	867	864	859	850	850	852	856	863	872	884	886	883	877	872	872	871	869	868
6	868	868	868	868	868	868	864	863	858	852	848	842	841	852	856	860	870	874	874	874	873	870	867	867	863
7 D	864	866	867	867	867	867	867	866	859	857	848	839	837	844	848	855	877	900	930	930	910	857	783	821	864
8 D	810	797	761	764	840	862	863	867	861	861	860	860	863	869	881	886	882	880	876	878	879	878	876	870	855
9 D	850	853	864	868	868	868	866	864	864	859	862	859	850	860	868	900	907	895	903	898	885	883	866	823	870
10 D	822	842	855	860	862	861	868	865	867	864	861	858	860	873	895	914	921	908	894	882	864	875	875	871	872
11	867	868	871	875	876	877	879	876	875	873	871	867	868	875	879	881	883	887	903	890	889	883	876	868	877
12	869	872	875	875	875	876	879	878	874	870	863	858	856	859	863	871	876	881	882	882	883	881	876	859	872
13	859	863	866	868	866	869	873	872	871	868	865	864	860	865	869	869	876	877	884	884	880	877	874	871	870
14	859	852	860	864	867	869	869	866	865	863	862	862	857	854	858	865	870	875	874	876	874	874	873	873	866
15 Q	873	873	872	872	873	872	873	872	868	865	864	861	859	864	865	867	871	873	872	874	873	872	872	872	870
16 Q	871	871	871	871	872	872	870	867	868	868	861	851	848	855	863	864	872	872	874	873	872	875	871	870	868
17	868	868	871	871	871	871	866	863	863	860	855	849	849	849	853	866	871	871	872	876	882	874	875	873	866
18 D	871	866	859	845	843	841	853	857	853	855	857	859	866	874	897	936	961	959	941	910	896	882	869	869	880
19	861	859	843	865	872	879	881	877	872	870	869	869	859	859	867	872	879	895	911	903	888	881	884	877	875
20	872	865	865	872	869	869	873	873	877	880	876	867	859	859	870	880	885	886	889	893	886	882	876	874	875
21	854	863	868	872	875	876	880	880	877	871	863	857	852	854	864	875	894	905	912	905	892	886	878	876	876
22	876	876	876	877	878	880	879	874	874	872	874	867	863	862	864	870	876	883	882	879	877	874	873	871	874
23	871	871	873	874	875	876	875	875	870	865	862	857	855	859	867	874	879	879	877	874	873	873	869	865	870
24	866	868	869	867	868	869	872	872	869	866	858	854	854	859	860	861	865	869	873	875	872	869	869	869	866
25 Q	869	869	869	869	871	871	871	869	864	857	853	848	847	852	857	865	870	871	871	871	872	871	871	868	865
26	864	864	864	868	871	872	871	871	867	865	856	856	858	865	865	868	871	867	867	868	867	867	866	866	866
27	862	855	858	861	866	867	866	867	866	863	863	859	859	863	870	881	885	884	879	876	876	875	874	872	869
28	871	870	871	871	874	875	873	871	867	863	859	859	861	865	866	873	873	878	883	889	888	882	877	866	872
29	848	848	847	854	861	866	869	871	869	859	854	855	860	862	866	873	876	881	889	886	878	880	874	870	867
30	869	866	861	862	868	872	872	868	864	862	857	854	857	857	861	864	874	877	881	882	880	877	874	872	868
Mean	863	863	863	864	868	870	870	870	867	864	860	856	855	860	866	875	882	884	886	884	879	875	870	867	869

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

292. ESKDALEMUIR — JUNE, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ+			Minimum 16,000 γ+			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 44,000 γ+			Minimum 44,000 γ+			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 Q	18	32	559	496	9	40	63	14	9	55·5	41·8	17	58	13·7	5, 16	10, 33	877	846	11	40	31	243	0	83·5
2 Q	19	22	558	500	10	52	58	12	59	56·7	43·6	7	32	13·1	18	10	877	855	11	51	22	195	0	83·5
3	19	46	561	503	9	58	58	13	49	56·6	42·7	7	9	13·9	17	10	877	850	11	29	27	217	0	83·5
4	15	45	591	505	12	40	86	13	48	60·6	42·3	8	0	18·3	19	38	884	850	12	17	34	295	1	83·5
5	16	53	602	501	10	30	101	13	30	58·2	41·6	7	0	16·6	17	19	889	849	12	3	40	347	1	83·5
6	19	30	574	480	11	23	94	14	4	59·1	41·6	7	10	17·5	18	55	876	837	12	4	39	330	1	83·6
7 D	22	29	626	432	15	30	194	14	6	63·1	25·6	22	24	37·5	19	28	934	753	22	14	181	1133	2	83·6
8 D	18	9	575	414	2	32	161	15	50	60·7	17·8	0	36	42·9	14	58	888	739	2	38	149	935	2	83·6
9 D	15	57	633	466	11	8	167	17	26	61·9	36·7	9	6	25·2	16	22	912	815	23	46	97	712	1	83·6
10 D	18	28	624	458	9	18	166	13	4	58·1	40·6	6	49	17·5	16	30	924	815	0	1	109	763	1	83·6
11	16	56	671	478	14	18	193	16	56	59·9	43·2	3	12	16·7	18	32	905	865	0	36	40	498	1	83·6
12	19	20	580	498	7	31	82	12	59	56·8	43·6	7	32	13·2	19	5	885	855	23	45	30	270	1	83·6
13	18	46	563	493	9	48	70	13	19	57·6	41·8	0	11	15·8	19	0	886	855	0	5	31	259	1	83·7
14	15	10	547	496	9	41	51	15	0	54·5	43·8	6	11	10·7	19	3	876	850	1	6	26	201	1	83·8
15 Q	18	40	549	502	9	40	47	14	4	54·7	43·6	6	22	11·1	17	20	874	859	12	22	15	145	0	83·9
16 Q	19	30	563	510	10	4	53	12	32	56·2	42·7	7	54	13·5	21	20	876	845	12	16	31	226	0	84·0
17	20	48	587	508	9	46	79	12	36	56·0	42·8	6	6	13·2	20	36	885	848	11	20	37	295	1	84·1
18 D	19	22	671	451	19	39	220	19	42	71·7	35·6	4	30	36·1	17	0	977	837	4	4	140	992	2	84·1
19	21	16	570	454	11	35	116	13	22	61·6	37·5	0	23	24·1	18	32	914	839	2	18	75	528	1	84·1
20	18	27	589	488	11	22	101	13	10	55·1	43·5	1	59	11·6	19	33	894	858	13	0	36	329	1	84·1
21	17	31	587	489	10	53	98	15	39	58·0	43·3	7	41	14·7	18	38	913	851	12	22	62	440	1	84·1
22	19	22	557	480	10	32	77	13	35	57·6	41·7	7	4	15·9	17	29	885	861	13	10	24	235	0	84·2
23	15	35	558	489	11	48	69	13	37	56·7	41·8	5	43	14·9	16	54	881	854	11	59	27	235	0	84·2
24	16	44	557	498	9	45	59	13	49	56·9	42·6	17	52	14·3	19	23	876	852	11	33	24	205	0	84·2
25 Q	19	32	567	499	11	30	68	13	35	56·6	42·6	7	19	14·0	20	26	872	847	12	38	25	224	0	84·3
26	19	27	563	504	10	38	59	14	35	55·7	42·9	6	16	12·8	5	29	872	856	11	42	16	169	0	84·3
27	0	32	572	504	10	22	68	13	28	55·6	41·6	5	34	14·0	17	0	886	852	1	42	34	265	1	84·4
28	18	26	586	506	11	10	80	12	55	58·6	42·5	5	59	16·1	20	4	893	854	24	0	39	307	1	84·5
29	18	49	570	502	9	33	68	12	20	55·0	40·7	7	14	14·3	18	20	891	843	2	10	48	328	1	84·5
30	19	40	578	505	9	3	73	12	50	57·8	41·8	5	48	16·0	19	32	883	853	11	32	30	255	1	84·6
Mean	--	--	583	487	--	--	96	--	--	58·1	40·5	--	--	17·6	--	--	892	841	--	--	51	386	0·77	83·9
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 181. 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

293. ESKDALEMUIR (H) 16,000 γ (·16 C.G.S. unit) + JULY, 1935

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	543	542	540	538	538	538	534	526	514	506	502	500	506	524	540	548	542	551	551	557	551	551	552	553	535
2	552	540	541	535	533	546	538	529	515	507	503	514	528	537	534	561	561	556	547	551	542	547	539	542	537
3	538	535	538	543	543	540	534	525	515	506	502	504	518	531	541	545	556	546	556	561	556	553	550	550	537
4	542	540	539	543	540	535	530	520	510	507	507	506	521	521	535	546	538	545	543	554	553	547	543	548	534
5 Q	538	535	538	540	540	540	536	526	513	503	496	499	509	528	550	560	555	557	551	545	545	545	542	543	535
6 Q	541	540	541	539	540	539	536	532	522	513	509	509	512	522	533	538	537	541	556	550	558	554	552	551	536
7	549	546	547	546	545	541	540	541	527	516	509	518	521	522	532	545	545	547	552	555	558	577	553	545	541
8 D	552	552	549	558	558	556	527	464	469	484	494	497	528	523	545	519	517	529	533	546	551	546	546	546	529
9 D	552	553	546	543	535	527	521	519	514	510	508	501	507	514	529	532	548	534	533	542	543	542	542	542	531
10	523	524	528	526	523	521	518	510	502	500	496	502	512	517	530	533	533	543	548	554	549·	543	543	537	526
11	537	538	537	538	538	534	524	514	492	476	496	520	529	534	556	542	537	550	551	553	552	549	544	542	533
12	539	539	538	535	539	520	518	515	511	507	506	511	520	533	534	544	548	552	547	558	556	544	540	538	533
13	538	536	534	533	529	526	521	520	515	515	511	512	515	538	548	541	543	545	555	556	549	554	548	548	535
14	547	535	530	530	535	533	521	508	503	513	516	528	530	535	561	562	554	568	563	551	557	553	548	559	539
15	539	539	536	536	536	530	521	512	511	513	517	525	544	539	550	561	571	562	549	540	539	535	533	533	536
16	535	532	527	528	530	522	519	514	504	506	499	503	516	536	545	554	553	544	540	541	544	542	541	541	530
17 Q	540	540	537	535	531	527	526	523	513	507	513	522	527	545	552	552	548	544	546	547	549	541	541	540	535
18 Q	545	535	537	537	540	540	540	536	526	515	512	505	505	515	536	532	539	541	545	550	556	551	548	546	535
19	546	552	565	545	536	536	537	532	531	523	525	514	519	527	546	558	549	542	542	552	546	542	538	537	539
20	534	537	532	532	528	532	528	527	523	514	511	497	509	518	540	546	555	550	558	555	550	549	552	550	534
21	546	546	546	546	546	546	541	532	526	515	501	498	508	506	517	535	532	542	566	567	560	553	551	546	536
22 D	542	547	551	558	556	562	560	533	498	508	501	491	497	496	524	538	569	561	549	552	552	557	565	522	537
23	510	527	533	533	527	535	534	528	511	497	491	501	505	511	522	517	521	529	538	540	544	544	542	542	524
24 D	539	534	538	537	537	543	548	548	520	503	512	509	500	511	517	533	523	534	539	549	558	548	566	525	532
25 D	535	534	534	544	511	467	513	486	503	503	470	449	480	502	524	547	525	555	549	535	549	535	531	540	518
26	530	534	532	529	531	531	529	525	522	517	518	519	518	520	520	525	536	543	544	549	552	540	537	538	531
27	535	531	535	531	534	526	529	528	517	507	498	502	502	515	524	538	534	535	538	541	547	541	543	525	527
28	525	525	528	528	527	524	521	521	516	516	505	519	527	528	534	536	540	539	545	538	539	539	535	539	529
29	542	534	534	532	520	520	529	529	525	522	518	516	517	518	516	530	531	543	539	554	541	530	530	533	529
30 Q	531	536	530	531	532	525	530	526	518	507	499	501	509	522	540	540	536	540	539	540	540	540	539	539	529
31	535	533	530	530	532	535	534	527	517	508	496	493	509	527	529	541	535	548	566	559	558	553	552	544	533
Mean	539	538	538	537	535	532	530	522	513	508	505	506	514	523	536	542	542	546	548	550	550	547	545	541	533

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

294. ESKDALEMUIR (D) 13° + JULY, 1935

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	49·3	48·6	49·6	49·3	47·0	44·7	43·8	43·8	45·5	48·8	53·0	57·3	59·7	60·1	58·9	57·1	54·7	51·8	49·8	49·5	49·5	48·9	49·1	49·3	50·8
2	46·7	46·5	45·5	46·5	49·6	44·8	42·5	43·6	43·7	45·7	49·0	53·0	55·9	56·5	55·2	53·5	52·7	51·7	49·8	48·0	48·7	49·3	48·5	48·7	49·0
3	48·0	48·8	47·6	46·5	45·0	43·9	42·8	42·8	43·7	46·6	49·9	53·1	55·5	55·1	54·1	53·6	52·7	50·5	49·6	49·1	48·9	49·6	49·7	48·5	49·0
4	48·6	48·1	47·8	47·3	44·8	42·8	41·9	42·7	43·3	44·3	49·5	52·9	55·7	56·5	55·6	53·6	50·9	49·5	49·0	48·8	49·1	49·5	48·8	48·7	48·7
5 Q	48·3	47·8	47·6	47·1	46·4	45·0	43·9	43·8	43·9	44·7	46·8	48·9	53·0	56·6	57·6	56·7	54·7	51·9	50·5	49·8	49·6	49·6	48·7	48·5	49·2
6 Q	48·6	48·6	48·6	47·8	46·3	44·3	42·9	42·1	41·0	41·8	45·0	48·0	52·8	55·8	56·8	55·6	53·7	51·6	49·6	48·7	48·8	47·8	48·0	48·7	48·5
7	47·9	47·7	47·7	47·5	47·5	45·7	44·5	43·4	42·7	44·5	48·0	51·5	54·7	56·8	56·9	56·2	54·3	52·1	51·0	50·2	50·2	50·6	44·0	44·2	49·2
8 D	46·0	46·5	44·5	44·4	42·5	43·1	43·8	46·1	51·4	55·0	53·7	57·1	60·5	60·0	61·0	58·1	59·9	54·8	52·5	50·7	50·5	49·4	49·5	48·9	51·2
9 D	48·6	47·6	46·7	46·4	43·2	42·2	41·5	41·8	42·5	44·9	47·8	52·6	55·7	57·2	56·6	54·9	51·7	50·5	50·2	50·4	50·2	49·8	48·0	44·9	48·6
10	44·6	46·0	46·4	45·5	45·4	44·6	43·8	44·4	45·2	46·7	50·4	53·2	54·4	54·8	54·6	52·9	51·0	49·6	48·8	48·6	47·9	48·7	48·7	47·7	48·5
11	47·6	47·5	46·7	46·5	45·2	43·7	42·1	42·5	43·9	48·5	52·1	55·2	56·4	55·9	56·6	54·9	51·5	48·6	49·5	49·6	49·6	49·6	49·5	48·8	49·3
12	48·3	47·7	47·2	46·0	43·5	40·4	41·1	42·0	43·6	46·0	49·6	51·5	52·7	53·6	53·2	52·1	50·5	49·6	48·6	47·5	47·1	47·6	48·9	48·5	47·8
13	48·4	47·7	47·1	46·9	45·6	44·6	44·6	44·5	44·6	45·9	48·6	52·5	55·4	55·8	56·5	55·1	51·7	49·6	49·1	48·9	48·5	47·5	48·6	48·8	49·0
14	49·1	46·9	45·6	44·6	44·6	43·5	41·6	41·6	44·8	46·6	48·4	52·0	55·9	56·7	55·9	53·5	51·4	50·6	49·6	48·5	48·7	48·9	48·1	41·6	48·3
15	44·9	45·9	45·6	44·8	44·4	43·1	43·2	42·4	44·8	46·5	49·6	51·7	55·6	56·7	57·5	55·0	53·5	51·6	50·5	48·7	48·8	48·7	48·5	48·6	48·8
16	48·6	48·2	45·9	45·0	44·9	43·1	42·5	40·9	43·6	43·6	47·9	52·6	54·6	54·6	54·5	53·5	50·4	49·2	48·0	47·7	47·7	47·7	47·9	47·7	47·9
17 Q	47·6	47·8	47·2	45·7	44·5	43·2	43·2	43·1	43·0	45·6	49·6	54·4	57·6	58·1	56·4	53·7	51·4	49·6	48·7	48·5	48·5	47·7	48·4	48·6	48·8
18 Q	46·9	45·8	44·6	44·7	44·4	43·1	43·3	42·7	42·6	43·5	45·0	49·5	53·1	55·5	55·6	54·1	52·1	48·7	47·6	47·5	47·6	46·2	47·4	47·7	47·5
19	47·6	48·5	49·4	40·9	41·2	42·5	43·9	43·6	43·1	46·9	50·5	54·5	57·7	58·7	59·6	56·6	51·8	48·7	47·3	47·7	47·6	47·0	47·5	46·7	48·7
20	44·6	44·6	44·6	44·7	44·4	42·8	42·6	42·5	41·1	42·5	46·5	49·8	53·8	54·6	54·7	52·2	50·8	49·7	49·4	48·9	48·3	47·7	47·7	47·2	47·3
21	47·3	47·5	46·8	46·5	45·7	45·2	44·5	44·6	43·8	45·6	49·4	53·7	56·5	57·1	55·4	54·8	53·7	51·7	50·6	49·5	48·5	48·6	49·2	48·9	49·4
22 D	48·1	47·7	45·6	46·5	46·4	49·6	44·6	43·7	44·8	46·1	46·5	50·6	53·9	55·5	54·5	51·6	52·5	49·6	47·9	48·8	49·7	50·5	44·6	42·8	48·4
23	40·9	44·6	46·5	45·5	47·0	44·8	42·6	42·6	43·7	44·7	47·9	51·5	53·7	54·6	54·5	52·1	51·4	50·8	50·5	49·8	49·5	49·5	48·4	47·7	48·1
24 D	46·7	47·9	48·1	47·7	47·8	48·0	45·6	45·2	45·2	45·8	48·4	50·0	53·5	53·7	50·9	52·8	52·7	51·7	49·7	47·1	49·4	46·9	40·8	42·5	48·3
25 D	44·5	40·9	42·4	46·0	50·6	54·6	52·8	54·6	54·9	51·4	49·7	51·4	52·7	54·6	50·4	51·9	52·7	53·5	50·8	47·6	44·6	47·7	47·4	45·7	49·7
26	46·6	45·6	47·0	48·6	46·6	45·4	44·4	44·4	44·5	44·9	46·6	48·5	49·8	50·6	49·8	48·9	49·3	48·9	48·5	48·5	48·6	47·7	47·6	47·5	47·5
27	47·4	47·6	49·5	47·7	44·4	43·5	43·6	43·4	44·4	44·5	44·7	47·5	49·7	51·0	50·6	50·4	48·5	47·7	48·4	48·5	48·6	46·9	45·5	46·5	47·1
28	46·8	47·5	47·1	46·8	45·9	45·8	45·6	44·8	45·4	45·7	46·8	49·8	51·7	53·2	53·1	52·7	51·4	49·8	48·8	48·5	46·7	46·8	47·6	48·6	48·2
29	48·3	47·8	47·6	45·8	47·0	48·6	48·8	46·8	47·3	47·8	47·8	48·0	50·9	53·0	51·6	49·8	48·7	48·2	48·8	48·6	46·8	47·0	48·2	47·8	48·4
30 Q	47·0	47·1	44·4	44·6	44·8	46·3	45·6	44·8	46·0	46·8	47·9	49·8	51·6	52·2	51·7	50·9	49·8	48·8	48·7	48·6	48·3	48·3	48·0	48·3	47·9
31	47·8	48·1	47·4	46·0	45·6	44·7	43·6	43·6	43·7	45·7	47·9	50·6	51·9	52·7	51·5	49·8	49·7	49·6	50·3	50·9	50·6	49·7	48·8	48·3	48·3
Mean	47·1	47·1	46·7	46·1	45·6	44·8	43·9	43·8	44·6	46·1	48·5	51·7	54·4	55·4	54·9	53·5	52·0	50·3	49·4	48·8	48·6	48·4	47·8	47·3	48·6

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

295. ESKDALEMUIR (V) 44,000 γ (·44 C.G.S.unit) + JULY, 1935

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	871	871	871	873	874	872	871	868	862	843	845	848	852	860	869	876	877	877	874	872	871	870	870	867
2	869	867	864	867	865	863	867	870	874	875	870	860	851	852	862	869	876	881	881	880	876	873	870	870	869
3	869	867	869	872	873	874	872	870	867	863	857	857	860	862	865	870	877	877	874	870	872	871	869	868	869
4	868	868	871	872	874	875	875	873	866	863	858	853	852	857	863	868	875	876	875	875	871	871	871	868	868
5 Q	869	870	871	872	874	875	873	871	868	864	860	856	863	859	864	869	874	876	879	879	875	872	872	872	869
6 Q	871	871	872	874	874	875	874	874	872	868	859	855	859	861	861	861	874	876	878	878	874	873	870	870	870
7	869	869	869	870	870	869	870	869	867	861	850	844	843	853	858	863	871	876	877	877	874	868	868	869	866
8 D	869	869	871	870	872	873	874	877	859	852	855	869	885	893	888	890	896	896	901	898	891	884	877	876	879
9 D	873	872	876	877	880	881	879	877	871	869	868	861	859	861	870	878	882	876	876	875	872	872	871	864	873
10	861	864	863	868	873	875	878	878	875	868	867	865	856	863	867	871	880	882	881	882	878	877	874	874	872
11	874	874	874	874	874	875	877	876	872	869	866	862	861	859	863	879	889	889	883	877	874	874	874	874	873
12	874	874	874	874	874	873	870	867	866	866	862	856	857	857	858	866	872	875	876	874	877	876	873	873	869
13	873	873	873	873	873	873	874	874	870	861	859	861	862	866	871	878	875	876	876	873	876	873	872	872	871
14	865	865	868	871	872	872	872	869	864	859	857	853	853	857	862	872	872	872	872	872	872	872	872	863	867
15	864	867	868	868	870	871	871	871	866	860	859	857	858	867	875	886	890	897	893	886	879	876	875	874	873
16	871	868	870	871	871	871	871	869	867	869	867	863	863	867	871	878	887	886	879	874	872	872	871	871	872
17 Q	870	870	870	871	873	873	870	868	862	858	852	855	859	865	870	875	878	878	874	871	871	873	871	870	869
18 Q	867	868	868	869	870	870	870	868	864	863	861	858	856	859	866	876	877	878	877	873	869	869	869	869	868
19	869	866	857	852	857	852	851	854	853	847	846	853	863	867	874	884	893	895	891	883	880	877	874	872	867
20	870	866	864	865	869	870	873	872	862	862	858	860	864	863	864	866	869	873	874	871	869	869	868	868	867
21	868	868	868	868	869	871	871	871	864	862	851	844	844	851	863	869	874	877	874	877	877	874	870	869	866
22 D	869	868	867	867	867	862	862	866	867	866	866	855	855	860	863	871	880	896	893	883	877	873	865	847	869
23	840	853	862	863	865	862	865	865	865	866	865	856	857	861	866	871	873	873	872	873	873	873	873	872	865
24 D	868	867	865	865	865	865	868	864	865	869	866	858	858	865	874	877	884	882	890	893	884	879	848	839	869
25 D	850	796	839	845	818	812	822	836	838	849	860	864	868	884	896	903	906	899	910	906	901	888	878	865	864
26	856	856	860	870	874	875	875	875	874	872	867	868	874	878	875	876	877	876	875	875	875	875	875	875	872
27	874	873	868	858	859	865	868	872	874	874	870	863	859	861	868	868	874	874	870	869	870	873	870	870	869
28	870	871	873	873	870	871	870	871	870	869	869	863	862	869	871	872	874	873	874	877	878	876	873	872	871
29	867	868	869	871	869	865	861	858	857	859	855	852	851	858	868	873	880	877	875	877	883	880	877	874	868
30 Q	873	866	866	869	869	869	867	871	872	869	873	870	866	863	870	874	876	876	877	875	873	872	872	871	871
31	872	872	872	871	871	871	871	870	866	860	853	854	853	859	864	868	871	874	872	871	868	868	868	868	867
Mean	868	866	867	868	869	868	869	869	866	864	860	858	858	863	868	874	879	880	880	878	876	874	871	869	869

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

296. ESKDALEMUIR JULY, 1935

Day	Terrestrial Magnetic Elements																					HR$_H$+VR$_V$ / 10,000 γ^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	22	14	559	493	10	50	66	12	54	60·7	43·6	6	34	17·1	18	4	878	843	10	59	35	266	0	84·6
2	15	55	570	498	10	55	72	13	5	57·6	41·8	6	19	15·8	17	24	881	851	13	9	30	254	1	84·7
3	19	44	563	524	10	50	39	12	50	55·7	42·6	7	0	13·1	17	33	879	856	10	30	23	172	0	84·7
4	19	28	561	498	11	14	63	13	47	56·6	41·3	6	11	15·3	18	3	878	850	12	23	28	230	0	84·7
5 Q	16	47	566	493	10	39	73	14	20	57·9	43·6	8	48	14·3	19	15	880	852	12	30	28	246	0	84·8
6 Q	19	50	564	508	10	18	56	14	10	58·1	40·8	8	23	17·3	18	53	880	855	11	40	25	204	0	84·9
7	21	14	614	508	10	24	106	13	55	57·5	40·3	22	48	17·2	19	11	877	841	12	15	36	337	1	84·9
8 D	12	54	565	449	7	48	116	13	54	63·6	40·5	4	36	23·1	18	40	901	851	9	30	50	415	1	85·1
9 D	23	3	565	493	11	13	72	13	24	57·6	38·6	6	59	19·0	16	23	883	858	12	58	25	231	1	85·1
10	19	10	558	497	11	25	61	13	54	55·2	42·7	6	52	12·5	17	32	883	855	12	30	28	227	0	85·1
11	14	18	565	488	10	22	77	14	19	57·5	41·5	6	55	16·0	16	42	890	859	13	30	31	266	1	85·1
12	19	29	561	501	10	19	60	13	15	54·1	39·6	5	32	14·5	21	5	877	853	11	17	24	202	0	85·1
13	19	41	562	506	12	29	56	13	57	56·8	43·5	6	12	13·3	15	41	880	858	10	22	22	190	0	85·2
14	15	37	630	498	8	18	132	13	53	57·5	40·6	7	18	16·9	15	32	876	850	11	59	26	335	1	85·3
15	16	33	586	508	8	18	78	13	58	58·4	40·6	7	36	17·8	17	40	898	855	12	10	43	322	1	85·3
16	16	34	566	498	10	50	68	12	55	54·9	39·7	7	22	15·2	16	54	890	862	11	50	28	238	0	85·3
17 Q	15	18	557	504	9	50	53	13	9	58·5	42·5	6	10	16·0	16	30	878	851	11	0	27	208	0	85·3
18 Q	20	42	563	499	12	5	64	14	24	56·5	42·3	8	6	14·2	16	45	878	855	12	12	23	207	0	85·4
19	3	3	577	505	11	58	72	14	22	60·5	38·6	3	21	21·9	17	20	896	845	9	52	51	348	1	85·4
20	18	18	564	495	11	42	69	14	3	55·6	40·8	8	45	14·8	17	59	876	857	11	5	19	199	0	85·4
21	19	12	582	494	11	3	88	13	19	57·5	43·5	8	7	14·0	20	12	878	844	12	22	34	302	1	85·4
22 D	16	46	580	486	12	10	94	12	45	56·5	40·4	22	32	16·1	18	0	897	834	24	0	63	433	1	85·5
23	21	3	549	484	10	40	65	13	26	55·7	39·4	0	19	16·3	16	6	875	831	0	5	44	305	1	85·5
24 D	20	39	629	483	12	42	146	13	43	55·5	33·7	22	34	21·8	19	9	896	811	22	53	85	618	1	85·6
25 D	1	6	575	438	5 11	35 48	137	7	50	58·2	35·9	1	37	22·3	18	58	913	773	1	25	140	855	2	85·7
26	20	12	566	513	11	10	53	0 13	1 40	50·7	43·5	1	53	7·2	13	40	879	852	0	5	27	208	1	85·7
27	22	6	561	497	10	22	64	13	38	51·5	41·7	6	51	9·8	21	49	874	855	3	32	19	191	1	85·7
28	21	0	553	501	10	36	52	14	30	53·8	43·8	20	55	10·0	20	6	878	858	12	10	20	176	0	85·7
29	19	12	566	508	14	11	58	13	22	53·8	44·8	3	43	9·0	20	10	884	850	12	0	34	249	1	85·7
30 Q	17	14	548	498	10	39	50	13	24	52·7	43·8	4	7	8·9	16	48	877	861	12	30	16	155	0	85·9
31	18	18	574	487	11	14	87	13	32	52·8	42·9	7	23	9·9	17	33	876	852	11	0	24	252	1	85·9
Mean	--	--	571	495	--	--	76	--	--	56·4	41·3	--	--	15·2	--	--	883	848	--	--	36	285	0·58	85·3
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

For explanation see page 181. 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, 1935

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	550	542	528	532	535	532	527	519	510	505	505	508	524	528	522	534	549	551	537	544	541	537	545	549	531
2	546	542	537	533	532	529	521	513	499	485	484	496	508	514	520	534	533	536	541	537	541	541	537	540	525
3 Q	535	535	537	536	536	537	540	536	530	514	503	503	513	525	537	540	536	540	544	549	548	545	545	543	534
4	542	541	540	540	541	536	531	526	521	516	516	517	514	517	527	535	538	545	554	564	558	550	547	545	536
5	544	539	540	541	544	542	537	526	513	505	505	516	521	530	534	545	537	540	558	558	548	551	551	546	536
6	536	545	537	536	534	531	526	518	512	507	508	513	526	536	535	527	536	552	558	557	558	549	540	533	534
7	542	534	523	531	534	528	521	511	499	493	499	514	522	526	536	545	539	544	545	545	543	537	537	538	529
8	536	537	534	532	532	533	528	523	513	506	511	514	527	518	513	527	538	547	550	547	546	546	546	541	531
9	545	537	538	532	529	532	528	520	517	514	513	518	522	528	530	532	532	541	550	547	546	546	545	545	533
10	536	537	532	531	537	537	533	527	522	519	515	519	523	525	531	538	542	548	544	547	548	545	542	532	534
11	533	536	536	537	536	530	520	515	512	512	515	527	537	533	538	542	537	536	541	546	544	541	538	538	533
12 Q	538	537	532	533	536	532	527	515	514	512	514	518	520	522	526	531	538	543	547	549	546	538	537	536	531
13	534	533	532	534	532	524	520	513	500	495	500	506	523	521	528	527	532	536	543	550	550	540	532	543	527
14 Q	533	534	533	537	531	529	522	516	514	515	520	519	522	528	537	543	542	537	538	544	544	543	542	541	532
15	541	538	534	533	529	528	523	515	507	502	505	523	535	551	569	548	537	543	548	551	547	549	537	538	535
16	539	541	538	538	529	533	532	528	527	518	522	514	533	533	538	537	538	547	551	555	546	534	534	534	535
17 Q	535	537	534	533	528	524	520	516	509	501	505	511	520	529	534	540	539	538	539	546	547	547	547	542	530
18 Q	539	538	538	538	537	534	534	528	519	505	501	505	515	523	528	539	542	548	545	542	546	546	545	545	533
19 D	546	547	546	544	545	548	546	534	520	511	507	502	502	517	512	529	540	543	539	548	548	544	534	533	533
20 D	528	529	534	534	546	533	538	528	506	501	496	493	512	507	522	537	525	542	547	542	541	536	534	528	527
21 D	512	519	520	529	518	524	521	509	488	495	503	506	519	518	527	527	515	542	554	556	548	547	552	551	525
22	529	524	529	530	530	530	525	519	507	487	493	502	502	521	533	547	546	549	538	547	553	529	531	542	527
23	536	530	530	523	521	525	530	521	479	494	507	507	498	517	523	534	528	532	542	543	532	531	529	540	523
24	532	529	430	532	534	535	534	522	511	499	497	503	521	525	525	525	534	534	540	537	540	529	537	548	527
25	558	545	537	538	542	544	546	534	521	511	507	503	505	508	513	523	531	532	535	540	540	542	541	542	531
26	541	541	539	535	529	524	524	519	510	508	508	507	515	523	535	531	540	542	534	540	541	540	537	540	529
27 D	539	536	536	532	530	527	521	513	508	505	507	520	531	541	544	544	549	564	580	546	567	559	558	565	538
28 D	546	544	540	535	537	541	513	517	512	511	507	513	518	530	540	540	565	557	541	539	541	535	533	535	533
29	534	532	530	531	526	525	525	517	504	495	493	501	512	518	530	530	536	540	542	548	550	545	542	545	527
30	549	536	540	532	543	538	539	525	499	493	491	498	504	514	530	527	535	540	539	540	544	540	541	544	528
31	540	542	541	541	545	542	533	516	512	506	507	515	520	525	530	535	536	544	545	544	544	541	542	536	533
Mean	539	537	535	534	534	532	529	521	510	505	505	510	518	524	531	535	538	543	545	547	546	542	541	541	531

MAGNETIC DECLINATION (WEST)

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

298. ESKDALEMUIR (D) 13° + AUGUST, 1935

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	45·8	43·5	44·3	46·3	45·3	43·7	44·0	46·7	47·3	47·7	50·0	52·2	55·7	55·8	55·3	53·5	51·7	50·3	48·6	49·5	49·3	48·9	49·0	48·6	48·9
2	47·6	46·8	46·5	46·0	44·9	42·9	42·5	41·7	41·7	44·6	48·2	51·9	54·5	54·3	51·6	49·9	48·4	47·5	47·8	48·8	48·7	48·5	47·5	47·8	47·5
3 Q	48·3	48·8	47·8	47·0	45·6	45·3	44·8	44·5	44·6	44·9	46·8	49·5	52·9	55·5	54·3	51·4	49·7	48·7	48·4	48·7	48·6	47·9	47·9	48·6	48·4
4	48·2	47·6	47·0	46·4	44·8	44·5	43·4	43·0	43·9	45·6	48·1	50·9	53·0	53·2	52·6	50·9	49·6	49·2	48·8	49·5	49·5	49·4	48·2	47·9	48·1
5	47·4	47·9	45·6	44·7	43·7	42·7	42·0	41·9	42·5	43·4	46·6	49·6	53·9	54·6	53·8	52·7	50·2	48·7	49·8	49·6	45·4	48·9	46·4	43·7	47·3
6	43·7	45·6	45·9	45·4	45·3	43·5	43·4	43·6	44·5	46·6	49·1	52·3	54·3	54·5	52·6	50·7	50·5	50·8	51·2	51·2	49·7	48·0	48·6	48·0	48·3
7	50·8	45·2	45·0	45·4	43·7	42·6	41·7	42·4	43·5	46·5	48·6	50·7	52·4	53·2	51·9	50·5	48·5	47·6	47·6	48·4	48·4	47·6	47·8	47·7	47·4
8	48·5	47·9	46·2	45·5	44·8	43·6	43·4	44·5	45·5	46·9	49·6	51·7	53·6	53·1	51·4	49·6	48·7	48·6	48·7	48·7	48·5	48·6	44·9	47·5	47·9
9	46·4	45·8	45·7	44·6	45·4	42·5	40·2	43·1	43·9	46·4	48·4	51·5	53·7	53·7	53·4	51·9	50·5	49·6	49·4	48·9	48·6	48·6	47·5	44·9	47·7
10	45·6	46·2	44·2	45·8	44·6	43·5	43·5	42·9	44·1	46·5	49·6	51·5	52·5	52·6	51·8	50·7	49·6	48·6	47·9	48·4	48·5	47·9	47·9	44·8	47·5
11	46·6	45·8	45·8	45·8	44·6	43·0	42·5	42·7	44·8	46·6	48·5	50·5	52·5	52·3	50·6	49·5	47·7	47·3	47·3	47·8	47·8	47·8	48·0	47·6	47·2
12 Q	47·5	46·8	45·9	45·5	44·6	43·6	43·4	43·5	45·6	47·0	48·4	49·2	50·9	52·3	51·4	48·8	47·6	47·5	47·6	47·9	47·3	47·3	47·6	47·2	47·3
13	46·9	46·2	45·8	46·4	45·4	43·9	43·4	42·5	42·8	46·6	48·6	52·5	54·9	55·5	55·4	52·6	50·5	48·7	48·3	48·4	47·5	45·2	44·7	44·6	47·8
14 Q	46·4	46·5	45·9	44·9	44·7	44·6	43·6	42·9	43·5	45·9	49·6	52·7	54·5	53·9	52·7	51·1	48·5	46·6	46·5	47·7	47·6	47·6	47·1	46·7	47·6
15	46·4	45·6	45·5	44·9	43·8	43·6	42·1	43·1	44·5	46·4	50·1	54·1	56·7	56·6	56·0	52·8	50·1	48·6	47·8	47·5	47·4	47·6	45·6	46·8	48·1
16	46·5	45·9	47·6	45·5	44·0	41·4	40·2	40·5	42·5	44·5	48·6	50·6	53·2	54·4	53·8	51·8	49·2	47·8	47·3	47·5	41·6	45·9	46·9	46·9	46·8
17 Q	46·7	46·6	45·7	44·6	43·4	43·5	43·0	43·6	44·6	45·9	48·8	52·4	54·9	56·2	54·8	52·7	50·3	48·3	47·6	47·7	47·5	47·2	46·5	46·1	47·9
18 Q	46·4	46·5	46·4	46·2	45·4	44·7	43·9	43·2	42·4	44·3	48·3	52·0	55·3	55·8	53·7	51·3	49·4	48·0	47·3	47·9	47·6	47·4	46·6	46·4	47·8
19 D	46·0	46·3	45·6	45·4	45·0	44·0	41·5	40·5	41·5	44·3	48·4	52·8	57·3	57·5	55·3	52·4	50·5	48·6	47·6	47·4	47·3	45·4	40·4	42·1	47·2
20 D	41·6	43·4	42·7	41·7	42·5	44·4	45·5	42·5	48·7	48·4	50·4	51·6	53·3	54·5	53·2	51·3	49·6	47·7	48·6	48·3	46·3	44·4	44·9	46·3	47·2
21 D	43·2	39·6	44·0	47·4	43·6	42·8	45·3	46·4	47·3	49·4	51·3	52·7	53·8	54·1	51·4	50·7	48·3	46·7	47·7	48·0	48·0	48·2	44·9	43·5	47·4
22	42·2	43·9	44·1	43·8	43·9	43·6	43·8	44·5	46·1	48·9	52·2	54·6	56·4	55·8	53·6	51·6	49·3	46·3	46·4	45·1	45·2	46·5	48·2	48·8	47·7
23	46·4	48·6	41·4	43·8	45·3	45·2	43·7	43·5	45·7	48·0	48·3	50·3	52·2	52·5	51·5	50·0	47·5	46·3	46·1	46·0	43·7	45·1	46·3	47·4	46·9
24	46·2	44·0	44·6	44·6	43·9	43·4	42·4	42·1	42·4	43·9	46·0	48·7	51·5	52·3	51·2	49·6	47·3	46·2	46·6	47·0	46·8	45·2	47·0	48·1	46·3
25	47·7	44·6	38·1	37·3	37·0	39·5	39·0	40·9	43·7	45·0	45·3	47·7	50·8	52·1	51·3	49·0	46·9	46·3	46·3	46·5	47·0	47·0	46·9	46·5	45·1
26	46·5	46·2	45·9	44·9	44·0	44·3	43·6	42·9	43·6	45·1	47·3	49·8	52·1	52·2	50·9	48·5	48·0	47·5	45·1	46·5	47·7	48·2	47·5	47·0	46·9
27 D	46·9	46·5	46·2	45·9	44·8	43·3	41·9	42·1	42·7	45·2	48·1	51·1	52·1	51·1	49·3	47·2	47·4	49·6	52·4	46·9	49·3	48·5	47·1	45·4	47·1
28 D	43·0	44·7	44·9	45·3	43·9	42·7	42·7	44·2	45·2	46·4	48·5	50·7	51·5	51·2	50·2	49·1	49·4	48·6	42·9	46·2	42·9	45·5	46·4	46·4	46·4
29	46·7	46·6	46·9	47·3	44·2	43·1	41·3	41·3	42·3	44·8	48·2	51·9	43·6	53·7	53·0	50·3	47·7	46·8	46·4	46·5	47·2	47·2	46·8	46·8	47·1
30	44·3	46·3	44·6	44·4	44·6	42·5	41·8	41·2	41·6	43·8	46·6	50·9	54·3	54·7	53·6	50·7	46·5	45·7	45·6	46·3	46·6	46·3	46·0	46·3	46·5
31	46·7	46·5	47·6	48·1	45·2	42·9	41·5	41·2	42·9	45·7	49·1	52·2	54·1	54·1	52·2	50·2	48·0	46·5	46·2	46·2	45·9	45·3	46·0	46·9	47·1
Mean	46·2	45·9	45·3	45·2	44·3	43·4	42·7	42·9	44·1	46·0	48·6	51·3	53·6	54·0	52·7	50·7	48·9	47·9	47·6	47·8	47·2	47·2	46·7	46·6	47·3

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the omputation of Table 323 - 334.

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, 1935

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	862	858	860	865	868	870	869	867	863	863	867	867	868	872	876	879	882	886	887	881	877	875	872	872	871
2	873	873	874	875	878	878	878	874	867	866	855	847	856	869	874	875	877	875	874	872	871	871	871	870	871
3 Q	870	870	870	870	871	873	873	872	871	872	866	864	865	866	867	871	878	878	876	874	874	871	871	871	871
4	871	871	871	873	873	874	872	870	862	855	850	850	855	859	862	868	872	870	870	869	870	870	870	869	867
5	867	867	866	867	869	869	870	870	865	858	849	842	845	853	858	862	869	871	868	872	876	869	868	865	864
6	865	862	865	867	868	869	866	863	857	852	846	848	848	860	878	882	877	875	871	871	871	868	864	864	865
7	847	854	860	861	867	871	871	871	867	867	862	860	864	868	872	877	882	880	876	872	872	872	871	870	868
8	868	867	868	870	872	872	871	869	867	861	858	851	855	859	867	869	870	870	869	869	869	868	869	867	866
9	865	865	866	869	868	866	866	865	858	855	854	851	854	855	859	863	870	868	870	873	873	871	871	871	864
10	869	869	869	869	869	869	870	869	865	860	856	855	855	855	859	865	869	872	875	875	872	870	868	869	866
11	869	869	869	869	869	869	869	868	864	862	861	857	857	863	864	866	869	872	872	869	868	868	868	862	866
12 Q	868	868	868	869	869	868	867	868	866	867	863	858	857	861	868	871	869	867	867	868	869	870	868	868	867
13	869	869	868	868	868	868	868	868	863	859	852	846	845	849	853	859	864	868	867	864	867	871	871	866	863
14 Q	866	867	867	867	860	870	871	871	867	860	859	860	861	864	867	870	871	871	867	867	867	866	867	867	867
15	867	867	867	867	870	870	868	865	859	854	852	854	855	859	867	874	875	874	871	870	869	867	870	870	866
16	870	870	867	868	871	870	866	862	855	851	849	852	857	861	869	875	878	878	876	874	875	871	869	869	867
17 Q	869	869	869	869	869	869	866	866	861	861	858	848	846	850	862	868	870	872	869	866	866	865	866	866	864
18 Q	866	866	867	869	869	869	869	865	862	861	861	855	853	854	865	869	872	874	874	871	869	868	867	867	866
19 D	866	866	866	866	867	865	866	864	864	861	855	852	845	852	865	873	879	886	887	880	876	875	869	862	867
20 D	855	856	853	857	860	863	857	860	862	865	864	861	857	861	871	876	884	885	886	885	883	877	868	860	867
21 D	841	852	857	854	858	865	866	866	869	870	868	868	867	871	877	883	889	889	883	880	878	875	871	856	869
22	843	849	858	865	868	869	870	868	866	863	856	849	853	863	868	879	890	892	887	882	871	869	869	866	867
23	855	844	844	857	863	864	866	869	870	864	861	858	862	860	867	875	880	879	877	877	880	877	875	870	866
24	859	862	862	863	869	872	874	877	874	869	865	863	866	870	876	877	880	884	883	882	880	878	874	870	872
25	861	847	848	842	839	841	843	848	848	855	858	855	855	863	869	873	876	877	873	873	871	870	870	870	859
26	869	869	869	869	870	872	871	870	865	858	857	854	857	864	866	869	872	874	874	873	871	870	870	869	868
27 D	869	869	868	868	869	872	874	873	867	861	856	851	852	858	863	864	862	858	854	866	868	868	869	862	864
28 D	858	860	862	865	865	864	865	867	863	858	856	856	860	865	870	872	875	879	894	887	874	871	871	870	868
29	870	870	870	866	867	870	871	871	863	857	855	853	859	864	870	872	874	873	870	869	868	869	869	867	867
30	861	861	860	864	864	868	871	871	867	861	855	852	855	860	872	879	886	884	876	871	870	870	869	867	867
31	867	868	867	862	859	859	862	866	864	863	859	859	863	869	877	881	879	875	873	872	871	870	869	867	868
Mean	864	864	864	865	867	868	868	868	864	861	858	855	856	861	868	872	875	876	875	873	872	871	869	867	867

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

300. ESKDALEMUIR AUGUST, 1935

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	17	6	569	497	11	10	72	12	35	56·4	42·2	1	20	14·2	17	55	887	856	2	0	31	258	1	85·9
2	21	3	545	480	10	0	65	13	45	55·7	40·7	7	50	15·0	5	5	878	846	11	33	32	251	1	86·0
3 Q	19	38	552	500	11	32	52	13	30	55·6	43·7	7	15	11·9	16	32	878	863	11	10	15	153	0	86·0
4	19	33	575	505	12	41	70	13	0	54·0	42·6	7	34	11·4	5	13	875	848	11	20	27	237	0	86·0
5	19	0	575	500	11	0	75	13	10	54·8	41·5	7	52	13·3	20	31	877	841	11	54	36	286	1	86·1
6	19	15	568	504	10	51	64	13	23	55·5	42·0	6	50	13·5	15	18	885	845	10	33	40	286	1	86·2
7	0	19	554	490	9	29	64	13	22	53·6	40·5	7	4	13·1	16	51	882	843	0	32	39	281	1	86·2
8	22	25	554	503	14	44	51	12	28	53·8	42·5	6	32	11·3	4	50	872	849	11	40	23	183	0	86·2
9	19	10	564	504	10	18	60	12	39	54·6	39·7	6	32	14·9	19	58	873	850	11	39	23	202	0	86·2
10	17	50	556	505	9	52	51	12	40	52·9	41·7	6	12	11·2	18	45	876	854	13	29	22	187	0	86·3
11	16	31	551	509	8	56	42	12	15	52·7	41·6	6	25	11·1	17	50	872	855	11	50	17	145	0	86·3
12 Q	19	43	552	509	9	23	43	13	42	52·7	42·3	7	4	10·4	15	35	871	856	11	53	15	143	0	86·3
13	20	13	559	491	9	42	68	12	58	56·5	41·6	7	8	14·9	22	3	874	844	12	8	30	247	0	86·4
14 Q	17	2	547	511	9	12	36	12	43	54·7	42·6	8	0	12·1	7	10	872	859	11	0	13	117	0	86·4
15	14	44	584	499	10	25	85	12	45	57·7	41·6	6	38	16·1	15	45	877	851	10	13	26	131	1	86·4
16	19	16	565	501	11	3	64	13	33	54·7	37·4	20	32	17·3	17	3	879	848	10	29	31	245	1	86·5
17 Q	22	30	552	501	9	20	51	13	43	56·6	42·6	6	18	14·0	17	30	873	845	12	42	28	210	0	86·5
18 Q	18	0	551	497	10	5	54	13	54	56·4	42·3	8	10	14·1	17	58	876	852	13	10	24	197	0	86·5
19 D	21	58	556	475	12	18	81	12	46	59·4	39·2	22	22	20·2	18	50	888	842	12	46	46	341	1	86·5
20 D	4	16	556	487	13	43	69	13	3	55·5	40·3	7	15	15·2	19	15	887	850	2	10	37	280	1	86·5
21 D	23	2	576	483	8	22	93	13	28	55·2	37·7	1	2[illegible]	17·5	16	52	891	838	0	30	53	390	1	86·5
22	20	30	572	480	9	25	92	12	26	57·8	39·2	0	47	18·6	17	26	894	839	0	33	55	403	1	86·6
23	23	57	553	466	8	28	87	12	46	53·4	39·9	2	38	13·5	20	36	882	836	1	58	46	351	1	86·6
24	23	50	557	492	10	57	65	13	40	53·5	41·5	7	54	12·0	17	49	885	856	0	20	29	237	1	86·6
25	0	58	572	499	11	37	73	13	11	52·4	35·3	3	18	17·1	17	30	877	837	4	5	40	300	1	86·6
26	17	5	551	500	10	12	51	13	20	52·7	42·3	7	26	10·4	18	39	876	853	11	42	23	187	0	86·7
27 D	18	47	616	481	19	8	135	18	46	54·0	41·2	23	46	12·8	7	0	874	850	11	50	24	331	1	86·7
28 D	16	47	575	502	10	16	73	11	42	53·2	40·4	18	33	12·8	18	39	898	854	10	48	44	318	1	86·7
29	20	32	553	490	10	0	63	14	0	54·5	40·5	7	2	14·0	16	29	875	853	11	28	22	203	0	86·7
30	0	17	558	485	11	2	73	13	10	55·3	40·3	8	15	15·0	16	27	888	852	11	48	36	282	1	86·7
31	16	11	554	502	9	50	52	13	2	54·7	40·6	7	52	14·1	15	37	882	858	4	50	24	194	1	86·8
Mean	--	--	562	495	--	--	67	--	--	54·9	40·9	--	--	14·0	--	--	880	849	--	--	31	244	0·58	86·4
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day 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

301. ESKDALEMUIR (H) 16,000 γ (·16 C.G.unit) + SEPTEMBER, 1935

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	563	535	516	539	539	527	530	523	517	512	504	508	516	521	530	535	543	546	545	545	544	544	543	540	532
2 Q	536	535	535	533	531	530	525	521	512	506	502	507	521	530	531	536	537	539	541	543	544	543	541	541	530
3	539	537	535	532	539	528	531	531	515	501	505	513	522	536	537	531	536	536	545	548	549	537	540	541	532
4	539	533	537	533	532	531	525	516	507	499	496	494	510	522	542	545	542	541	544	542	550	547	534	531	529
5	536	534	528	531	534	531	527	518	513	500	493	500	513	531	532	541	541	537	537	540	551	535	531	531	528
6	527	530	528	530	530	531	528	517	510	495	487	499	510	524	527	517	528	531	536	538	536	541	539	533	524
7	541	541	537	541	538	536	531	522	513	502	494	491	501	516	518	526	518	531	545	545	542	541	542	545	527
8 Q	554	531	526	532	531	528	532	524	509	498	491	495	513	521	529	536	536	537	538	540	540	538	540	540	527
9	542	541	532	531	531	531	531	522	521	518	517	521	522	527	531	541	546	551	554	547	533	522	522	532	532
10	531	530	521	525	528	532	524	522	508	503	499	518	511	522	534	531	545	558	547	524	531	545	541	528	527
11 D	547	528	549	570	531	545	536	518	522	523	529	532	554	533	512	536	578	570	550	504	531	584	526	459	536
12 D	460	487	470	496	513	503	492	484	489	487	486	494	504	511	519	524	522	529	524	523	538	522	524	518	505
13 Q	515	513	516	515	514	515	509	505	499	495	490	499	508	517	526	527	522	522	527	528	528	527	522	522	515
14	519	522	522	523	522	519	513	505	496	495	495	499	514	525	531	532	528	530	537	537	536	540	522	513	520
15	527	533	525	525	526	524	520	510	500	491	492	502	509	517	541	537	532	522	528	531	520	523	546	505	520
16	516	529	525	524	528	523	516	497	495	498	501	504	505	509	518	520	525	521	542	532	529	523	517	503	517
17	504	514	527	527	529	534	538	501	501	494	493	490	502	505	527	502	529	538	520	509	506	519	523	531	515
18 D	528	530	515	532	548	541	533	496	483	468	458	469	474	506	491	513	515	519	520	526	527	523	547	519	512
19	518	521	528	503	544	519	510	511	506	487	473	481	493	504	503	510	511	523	532	528	518	498	492	482	508
20	496	519	518	516	523	518	519	519	510	500	496	500	511	522	527	527	523	522	528	529	530	531	529	533	519
21 Q	532	528	527	524	528	524	523	520	511	505	500	505	514	514	514	515	519	520	523	528	531	528	528	529	520
22 Q	527	528	528	527	528	528	528	520	509	500	497	501	509	513	519	520	525	531	537	538	534	533	529	532	523
23 D	532	534	535	535	537	544	550	534	510	497	494	488	482	520	498	561	546	532	492	471	459	440	437	454	508
24	451	451	514	509	501	509	513	509	504	497	500	500	502	508	522	533	538	528	529	516	523	531	523	524	510
25 D	538	523	512	510	519	505	509	483	416	429	453	468	492	496	522	491	514	519	502	510	514	537	515	502	499
26	506	515	514	511	532	488	499	497	494	489	482	475	483	490	510	529	510	511	518	519	528	519	519	525	507
27	527	526	518	518	528	532	527	498	469	477	483	492	500	509	507	510	508	514	522	519	520	524	528	523	512
28	526	519	519	523	520	521	515	509	497	498	489	492	486	485	491	497	510	515	522	528	528	527	532	529	512
29	527	542	521	520	528	531	528	518	518	500	486	482	498	498	512	515	523	525	532	526	524	523	522	521	517
30	525	524	523	527	533	532	530	528	501	486	479	487	505	492	515	516	510	512	504	505	510	512	474	510	510
Mean	524	524	523	525	529	525	523	513	502	495	492	497	506	514	521	525	529	530	531	527	528	529	524	520	519

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

302. ESKDALEMUIR (D) 13° + SEPTEMBER, 1935

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

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323 - 334.

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, 1935

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	832	843	853	839	843	859	864	867	865	861	859	853	852	859	863	865	866	865	865	865	865	865	865	865	858
2 Q	866	866	866	866	868	869	868	865	862	857	855	853	853	854	857	858	863	866	866	866	866	866	866	866	863
3	866	866	866	866	863	866	865	863	859	855	853	848	843	844	855	862	869	869	867	866	866	869	868	866	862
4	866	866	865	866	868	869	871	870	865	858	852	852	852	854	862	866	873	869	868	877	874	869	865	862	865
5	862	866	866	859	854	859	862	863	862	862	861	859	859	862	869	873	876	878	877	872	868	868	868	868	866
6	867	865	868	868	869	870	872	871	865	860	854	851	850	857	865	872	874	872	868	868	868	868	866	868	866
7	865	866	866	859	858	862	866	865	861	856	853	849	849	853	862	878	884	883	876	873	872	869	865	864	865
8 Q	854	854	862	865	865	868	866	868	865	862	859	854	853	857	864	868	872	870	868	868	868	868	867	867	864
9	865	864	864	864	864	866	863	864	863	860	857	853	855	857	861	867	867	864	864	867	872	872	871	871	864
10	869	868	867	857	860	864	866	864	860	854	852	846	852	857	864	869	868	868	878	894	886	875	860	848	864
11 D	842	849	857	856	857	853	856	857	847	844	842	842	846	869	880	883	899	901	930	905	886	833	825	823	862
12 D	766	747	780	744	765	767	806	848	858	864	862	860	857	860	866	872	877	878	875	873	869	868	866	866	837
13 Q	868	868	866	865	867	870	873	873	870	866	865	864	863	864	869	872	876	877	872	871	871	871	872	872	869
14	872	872	869	868	869	870	871	869	866	863	860	860	856	857	864	872	873	871	869	869	871	866	865	864	867
15	856	856	864	867	868	869	871	870	867	866	860	857	853	864	882	903	906	897	884	883	883	878	845	843	871
16	845	847	852	852	850	863	868	868	863	860	860	857	859	866	876	863	885	882	879	883	882	878	875	864	867
17	847	817	836	847	849	841	841	846	844	847	847	853	860	868	886	903	894	891	897	897	887	877	871	860	863
18 D	836	820	847	850	841	841	849	857	846	868	905	871	883	900	920	905	894	887	886	886	883	880	860	856	870
19	860	855	847	847	841	848	853	856	866	869	875	874	872	873	876	882	879	876	876	883	875	864	867	863	866
20	860	857	860	867	868	872	875	875	872	870	871	868	860	860	863	871	872	872	871	871	871	871	872	871	868
21 Q	872	872	873	873	872	873	876	876	876	873	869	864	859	864	869	875	879	881	881	880	879	877	875	872	873
22 Q	870	871	872	872	872	872	872	872	872	868	862	854	850	853	861	867	868	869	869	872	873	874	873	872	868
23 D	872	870	870	868	864	861	861	862	864	858	854	853	853	860	881	907	934	949	959	952	926	907	871	862	884
24	855	845	831	859	845	864	876	878	875	872	869	868	868	868	873	880	896	906	913	925	923	906	898	888	878
25 D	876	864	857	832	812	846	858	861	873	877	883	888	892	898	906	933	931	933	918	903	895	883	873	862	881
26	848	864	868	838	827	844	849	862	870	879	873	873	877	888	901	911	911	896	885	884	882	881	880	878	874
27	871	870	873	869	862	862	862	866	873	870	872	877	885	890	890	893	899	898	893	895	891	886	883	877	879
28	859	866	873	875	877	877	877	870	870	869	874	873	873	884	893	904	899	893	890	885	882	882	881	880	879
29	877	862	860	863	866	869	873	874	873	873	870	869	869	876	881	888	890	885	884	884	882	876	860	869	874
30	874	877	877	872	863	857	858	858	862	866	869	870	872	880	884	903	926	922	927	923	903	880	864	828	880
Mean	858	856	859	856	855	859	863	865	864	864	863	860	861	867	875	883	887	886	885	885	881	874	868	864	868

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

304. ESKDALEMUIR SEPTEMBER, 1935

Day	Terrestrial Magnetic Elements																					$HR_H + VR_V$ § 10,000γ²	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	0	13	589	503	11	58	86	0	7	58·9	38·3	7	19	20·6	18	0	866	823	0	30	43	335	1	86·8
2 Q	19	56	548	498	11	50	50	14	0	53·5	42·5	7	18	11·0	5	20	869	852	12	0	17	159	0	86·8
3	18	46	553	495	9	49	58	13	41	56·8	41·5	7	6	15·3	17	5	871	843	12	30	28	222	0	86·8
4	19	2	583	486	11	30	97	12	46	54·6	36·2	22	46	18·4	19	52	882	851	11	12	31	304	1	86·8
5	20	30	560	490	10	30	70	13	28	54·3	39·0	7	51	15·3	17	42	879	851	4	5	28	242	1	86·8
6	21	52	550	481	10	32	69	12	20	57·0	41·8	8	11	15·2	16	3	876	849	12	20	27	235	0	86·8
7	23	59	560	488	11	40	72	12	51	57·3	40·2	4	42	17·1	16	58	887	848	12	20	39	294	1	86·8
8 Q	0	7	571	490	10	25	81	15	52	52·7	42·3	7	20	10·4	16	44	871	852	1	9	19	219	0	86·8
9	18	33	563	499	22	0	64	13	30	51·5	39·3	21	40	12·2	20	52	876	852	11	55	24	214	1	86·8
10	17	54	568	472	10	0	96	13	3	55·3	37·3	19	12	18·0	19	12	898	841	24	0	57	414	1	86·7
11 D	20	58	675	431	23	12	244	13	37	66·3	23·1	20	52	43·2	18	8	956	810	23	50	146	1059	2	86·7
12 D	20	12	551	422	0	30	129	5	17	59·3	28·4	3	23	30·9	17	0	879	731	3	6	148	878	2	86·7
13 Q	21	47	531	486	10	39	45	14	37	51·6	41·8	4	4	9·8	16	57	878	862	12	48	16	146	0	86·7
14	20	56	568	492	9	56	76	13	13	54·4	39·3	21	22	15·1	16	5	875	853	12	41	22	224	1	86·8
15	22	32	574	487	9	10	87	12	49	57·6	33·6	23	12	24·0	15	56	914	838	22	49	76	485	1	86·9
16	18	3	552	487	23	56	65	13	14	57·4	35·6	23	34	21·8	17	9	886	841	4	0	45	309	1	86·9
17	14	34	552	479	15	13	73	14	41	58·4	32·6	2	22	25·8	15	38	907	811	1	30	96	551	1	86·9
18 D	22	10	578	446	10	5	132	13	50	58·4	33·6	22	0	24·8	14	30	922	815	1	15	107	698	1	86·9
19	4	25	550	465	10	20	85	12	58	52·6	32·5	23	3	20·1	20	0	886	840	4	18	46	347	1	86·9
20	23	28	537	483	10	9	54	13	33	51·3	37·6	0	1	13·7	6	32	875	856	1	18	19	174	0	86·9
21 Q	23	54	541	496	10	15	45	12	42	51·1	42·4	8	52	8·7	17	9	883	858	12	30	25	186	0	86·9
22 Q	19	43	546	496	10	32	50	13	0	51·4	43·3	8	4	8·1	20	58	876	849	12	20	27	204	0	86·9
23 D	15	29	641	425	22	43	216	13	20	66·4	29·6	22	14	36·8	18	47	964	851	11	9	113	863	2	86·9
24	16	46	558	429	1	42	129	16	19	54·3	27·9	0	40	26·4	19	39	929	811	2	12	118	743	2	86·8
25 D	17	49	572	368	9	4	204	9	28	62·8	29·3	2	25	33·5	17	33	941	807	4	22	134	939	2	86·7
26	14	55	548	459	12	6	89	3	14	54·6	37·7	8	8	16·9	15	3	915	816	4	4	99	592	1	86·7
27	24	0	553	464	8	33	89	12	3	53·6	41·4	19	14	12·2	16	48	900	861	5	40	39	322	1	86·7
28	0	4	560	477	12	14	83	12	41	55·3	40·3	0	48	15·0	15	28	907	855	0	4	52	370	1	86·7
29	1	20	569	478	11	18	91	13	10	52·5	34·5	22	4	18·0	16	32	891	959	22	30	33	298	1	86·7
30	15	17	556	450	15	48	106	14	29	59·4	31·6	22	16	27·8	18	48	934	814	23	26	120	714	2	86·7
Mean	--	--	565	471	--	--	94	--	--	56·0	36·5	--	--	19·5	--	--	897	837	--	--	60	425	0·93	86·8
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§For explanation see page 181. 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, 1935

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	531	526	523	525	504	515	496	500	502	504	499	499	504	515	522	530	536	538	546	543	525	528	533	520
2	528	527	524	523	527	527	528	520	513	501	492	494	504	518	523	526	531	539	543	529	540	537	555	524	524
3 Q	521	524	524	522	522	523	523	523	517	507	498	499	509	515	520	523	523	526	533	533	530	527	528	529	521
4	523	527	527	528	531	532	535	532	524	514	504	496	501	510	521	524	537	533	541	532	532	531	533	534	525
5 Q	531	536	528	530	528	528	527	522	514	504	495	495	500	509	522	528	531	535	535	535	533	532	531	530	523
6 Q	529	530	530	530	532	532	531	527	515	504	496	496	504	514	524	528	533	535	541	541	542	541	541	541	<u>527</u>
7	545	520	526	527	531	534	534	530	522	512	504	476	504	521	524	528	529	532	532	535	534	529	524	526	524
8	524	522	524	526	527	530	530	525	513	503	499	501	505	516	518	527	531	529	535	530	535	534	545	527	523
9 Q	519	526	525	523	523	526	524	521	511	503	498	487	503	508	523	522	531	526	530	530	531	529	529	530	520
10	528	524	526	531	526	522	526	525	514	506	500	500	508	505	509	513	503	503	526	518	526	540	523	522	518
11 D	525	522	521	524	526	529	531	531	526	517	508	512	523	522	513	512	509	509	532	498	503	504	508	512	517
12	529	531	515	518	521	522	522	520	513	508	501	502	504	512	519	526	526	531	531	531	531	531	533	534	521
13 Q	534	527	534	528	523	527	531	530	521	513	503	494	498	509	520	522	528	535	536	540	533	535	536	536	525
14	535	541	540	545	544	564	550	527	516	502	488	479	494	506	512	521	521	526	528	526	519	523	525	530	523
15	528	532	545	519	524	530	529	529	517	498	486	476	482	510	513	504	526	515	516	530	503	498	519	529	515
16	531	525	526	541	513	534	542	523	507	492	485	489	507	513	501	507	511	517	515	517	518	525	525	526	516
17	529	518	521	517	527	533	521	523	507	485	471	465	481	496	516	506	523	516	525	525	518	513	520	530	512
18	530	525	527	525	531	520	513	515	523	512	503	497	510	516	520	525	525	517	502	512	522	523	522	528	518
19	535	520	521	526	530	532	534	527	514	502	492	482	488	501	511	519	521	523	522	524	524	521	528	539	518
20 D	524	515	520	524	525	532	534	525	520	520	502	485	497	506	505	494	481	488	482	492	473	464	511	511	505
21 D	512	511	506	506	510	516	498	515	482	474	470	475	475	501	507	508	501	507	506	490	502	504	532	471	<u>499</u>
22	507	511	503	507	510	519	520	512	503	491	482	482	473	487	511	502	508	511	512	519	542	524	520	520	507
23	520	518	518	519	520	523	520	516	508	497	489	492	498	505	514	518	522	523	528	525	528	530	528	529	516
24 D	534	527	521	523	528	528	525	493	475	477	469	460	449	473	522	518	473	492	496	496	504	503	504	500	500
25	499	499	504	505	509	504	504	501	495	482	472	476	482	492	503	516	519	526	527	524	499	494	494	511	502
26	504	508	510	510	515	515	515	511	503	492	484	482	486	495	499	509	519	524	522	523	522	522	522	517	509
27 D	517	518	519	522	532	528	533	522	533	522	498	504	490	487	495	504	508	517	518	500	477	472	508	491	509
28	496	534	516	505	508	504	503	494	499	488	478	477	484	498	509	513	515	481	485	505	512	518	516	512	502
29	512	508	509	517	516	517	519	517	511	485	486	495	492	492	494	502	502	503	507	503	517	518	517	517	507
30	517	514	513	522	530	518	517	498	497	487	490	494	492	484	508	490	489	491	507	505	517	517	513	516	505
31	517	523	521	523	521	524	522	494	491	490	494	498	485	503	495	513	526	524	527	535	531	527	529	522	514
Mean	523	522	522	522	524	<u>525</u>	524	518	510	500	492	<u>489</u>	494	504	512	515	517	518	522	521	521	519	524	522	515

MAGNETIC DECLINATION (WEST)
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

306. ESKDALEMUIR (D) 13° + OCTOBER, 1935

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

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334.

307. ESKDALEMUIR (V) 44,000 γ (·44 C.G.S.unit) + OCTOBER, 1935

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	862	870	873	876	874	874	867	868	865	868	870	870	870	870	872	875	879	878	878	876	878	890	886	881	874
2	881	881	880	879	878	878	878	879	879	879	877	868	863	863	867	871	876	875	877	880	877	875	868	860	875
3 Q	867	870	874	874	874	874	874	874	875	874	867	859	860	866	872	876	877	877	876	876	877	878	878	878	873
4	879	877	876	876	875	875	875	876	879	879	875	871	864	864	867	872	877	879	878	880	883	880	877	876	875
5 Q	876	875	873	872	873	875	876	877	877	876	869	866	863	861	865	872	876	876	876	876	876	876	876	876	873
6 Q	876	875	874	874	874	875	876	877	877	876	871	865	865	865	865	872	873	872	872	873	873	874	874	875	873
7	870	873	873	873	873	873	874	877	876	870	868	868	868	869	872	876	877	877	877	878	880	885	878	877	874
8	877	878	877	877	875	874	874	875	874	873	870	866	866	869	873	877	878	877	878	877	874	877	872	869	874
9 Q	870	868	867	870	873	873	873	877	877	875	869	869	870	871	870	872	876	877	876	876	876	878	878	876	873
10	875	874	871	863	861	867	870	872	874	874	873	868	867	868	878	889	903	909	893	887	882	879	878	879	877
11 D	879	879	879	877	875	875	872	872	872	869	866	861	860	867	879	913	907	918	907	899	902	902	892	887	884
12	865	852	867	872	875	875	875	872	868	868	865	864	865	870	874	878	779	876	875	875	875	876	876	876	871
13 Q	877	879	873	872	874	875	874	876	876	876	873	870	872	872	876	880	879	875	873	873	875	875	876	876	875
1	876	874	874	872	865	852	857	865	870	874	873	869	865	866	873	878	884	880	880	881	885	874	874	874	872
15	875	867	840	854	860	859	867	876	881	880	873	874	874	874	886	898	892	895	898	893	882	878	875	874	876
16	872	873	876	869	866	851	856	860	864	872	871	868	869	874	893	905	901	897	894	887	883	882	878	879	877
17	875	875	876	876	875	875	876	876	879	876	875	875	875	877	884	901	905	898	894	890	887	884	862	857	880
18	858	838	831	857	864	865	867	868	867	865	864	868	872	875	879	883	886	890	899	898	887	884	883	879	872
19	869	872	875	875	876	876	876	879	880	876	876	876	876	879	880	883	882	881	883	885	880	879	867	863	877
20 D	863	865	870	873	874	876	876	880	880	872	869	873	896	914	932	959	953	948	941	924	882	871	872	866	893
21 D	871	874	881	884	885	881	877	881	885	889	888	897	908	907	903	902	919	919	918	909	899	879	847	847	890
22	870	878	866	849	860	862	876	880	885	883	889	893	897	897	897	907	910	903	900	896	883	877	878	880	884
23	880	879	874	869	874	878	883	889	893	893	885	881	878	881	886	886	886	884	883	885	885	882	882	881	882
24 D	874	874	875	878	878	880	880	876	878	879	881	890	925	924	946	997	952	919	913	912	901	897	895	894	901
25	894	893	886	886	887	887	890	890	890	890	887	883	886	887	891	890	886	886	886	893	918	908	868	865	889
26	871	879	882	882	884	886	886	886	887	886	882	883	887	889	891	892	891	888	888	888	888	889	889	888	886
27 D	888	887	882	878	877	880	878	877	870	869	869	869	875	889	903	919	938	945	936	973	966	935	900	887	900
28	883	873	876	874	877	881	888	889	889	889	889	891	889	889	892	897	902	923	930	912	904	901	892	894	893
29	893	892	887	882	884	885	885	886	889	890	887	889	894	898	904	914	915	908	904	905	899	896	894	893	895
30	889	885	876	868	869	872	864	869	876	881	886	890	898	910	920	936	943	934	913	907	899	895	892	891	894
31	888	887	883	881	883	876	869	873	874	876	881	887	898	906	922	915	903	896	892	889	888	888	887	881	888
Mean	876	875	873	873	874	874	874	877	878	877	875	875	878	881	887	896	897	895	893	892	889	885	879	877	881

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

308. ESKDALEMUIR OCTOBER, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 44,000 γ +			Minimum 44,000 γ +			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	20	47	563	482	7	26	81	8	31	52·5	42·0	0	3	10·5	21	39	893	847	0	1	46	336	1	86·7
2	22	32	578	490	10	56	88	13	29	51·4	35·5	23	30	15·9	19	18	882	856	23	27	26	262	1	86·7
3 Q	19	8	536	495	10	34	41	13	0	51·8	39·2	0	1	12·6	22	0	879	857	12	8	22	249	0	86·6
4	18	40	542	491	11	20	51	13	16	52·4	40·4	20	0	12·0	19	52	884	864	13	16	20	169	0	86·6
5 Q	17	41	537	488	11	39	49	14	9	51·6	41·2	8	39	10·4	8	12	877	861	13	30	16	153	0	86·6
6 Q	23	40	548	495	11	2	53	14	10	50·7	41·4	9	18	9·3	7	54	879	864	12	8	15	154	0	86·6
7	0	26	573	455	11	26	118	11	49	54·6	33·6	0	54	21·0	21	8	889	866	11	50	23	296	1	86·6
8	22	11	558	495	11	10	63	13	12	53·5	39·5	22	40	14·0	18	4	881	865	12	16	16	176	1	86·6
9 Q	21	5	535	479	11	14	56	14	4	50·6	40·8	8	53	9·8	21	50	878	865	2	4	13	150	0	86·5
10	21	50	572	490	16	21	82	13	32	53·1	31·5	17	58	21·6	17	50	910	858	3	48	52	364	1	86·5
11 D	18	30	577	476	15	15	101	16	19	55·5	28·4	18	24	27·1	17	30	924	859	12	24	65	459	1	86·5
12	1	14	550	498	11	10	52	14	55	50·6	37·4	1	25	13·2	16	17	879	849	1	30	30	221	1	86·5
13 Q	19	4	545	485	12	10	60	12	59	50·4	40·1	9	15	10·3	1	46	879	869	11	44	10	148	0	86·4
14	5	42	576	475	11	6	101	13	56	53·3	37·8	21	26	15·5	20	40	888	850	5	33	38	331	1	86·4
15	1	52	562	470	11	16	92	13	58	57·4	30·5	19	30	26·9	15	40	901	839	2	18	62	430	1	86·3
16	17	50	551	475	11	0	76	5	4	55·7	34·3	18	34	21·4	15	10	905	848	5	20	57	381	1	86·3
17	18	52	550	455	11	58	95	13	8	55·5	37·6	20	58	17·9	16	55	906	856	23	24	50	382	1	86·3
18	1	42	546	493	11	14	53	1	38	57·4	41·4	3	54	16·0	18	58	903	815	1	52	88	482	1	86·3
19	22	58	566	474	11	23	92	12	44	53·5	33·4	19	33	20·1	19	32	887	861	23	50	26	269	1	86·2
20 D	14	18	547	443	21	0	104	14	32	65·4	23·5	20	22	41·9	15	14	968	861	0	1	107	648	2	86·1
21 D	22	42	574	431	23	18	143	13	12	54·5	14·4	18	12	40·1	17	56	930	828	22	59	102	710	2	86·2
22	20	32	572	463	12	41	109	12	53	53·5	36·4	20	30	17·1	16	42	912	843	3	12	69	490	1	86·0
23	21	10	537	486	10	31	51	13	32	50·9	40·0	8	52	10·9	8	51	895	867	3	12	28	210	1	86·0
24 D	14	48	590	405	11	43	185	15	32	66·3	42·9	23	24	23·4	15	4	1019	873	1	50	146	958	2	86·0
25	23	32	544	467	23	10	77	19	22	50·2	24·2	23	32	26·0	20	55	920	849	22	58	71	446	1	86·0
26	22	36	527	480	11	58	47	13	8	48·8	31·4	0	1	17·4	15	20	893	867	0	1	26	186	0	86·0
27 D	22	6	563	455	20	23	108	18	42	60·6	26·7	22	40	33·9	19	35	983	867	9	18	116	699	2	86·0
28	1	44	546	458	10	58	88	13	33	53·1	33·5	1	40	19·6	18	23	934	870	1	18	64	428	1	86·0
29	15	55	525	478	9	56	47	13	51	52·6	39·3	15	47	13·3	16	12	920	881	3	40	39	253	1	86·0
30	4	25	535	476	13	38	59	15	2	55·7	41·5	4	46	14·2	16	28	945	862	6	48	83	470	1	85·9
31	19	20	565	453	12	18	112	12	6	58·4	38·3	22	30	20·1	14	49	931	868	6	30	63	468	1	85·9
Mean	--	--	555	473	--	--	82	--	--	54·2	35·4	--	--	18·9	--	--	909	857	--	--	51	367	0·90	86·3
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 181. 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 the periods of sixty minutes ending at the hours of Greenwich Mean Time

309. ESKDALEMUIR (H) 16,000 γ (·16 C.G.S.unit) + NOVEMBER, 1935

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	515	518	514	514	505	525	529	530	527	516	505	510	511	515	521	514	524	530	528	528	529	527	524	527	520
2	520	513	510	510	521	528	529	527	519	505	510	493	501	504	516	510	528	519	511	514	501	537	516	506	515
3	524	525	523	506	509	515	513	517	512	501	496	493	500	506	514	514	502	524	524	528	537	524	529	536	515
4 Q	519	519	519	519	519	520	525	523	523	507	501	497	498	504	513	518	523	526	528	528	528	528	528	526	518
5 D	525	526	526	520	526	526	528	530	523	503	495	503	502	506	519	521	518	503	506	490	523	512	560	512	517
6	501	505	500	493	518	522	513	504	514	499	482	489	495	504	509	517	518	522	522	523	522	525	523	525	510
7	522	519	518	523	523	523	523	522	513	505	500	496	498	506	514	520	523	526	526	513	510	516	521	521	516
8	521	518	527	523	522	528	534	528	516	503	491	492	497	504	513	505	508	513	526	526	527	526	528	526	517
9	526	526	527	528	530	530	531	527	520	512	496	498	508	513	517	521	525	529	531	534	531	527	519	517	522
10 Q	517	517	522	524	523	526	525	522	517	512	507	507	510	513	518	522	526	535	531	531	531	533	532	534	522
11	530	529	526	529	530	534	530	530	530	523	520	513	503	514	521	525	529	526	531	515	510	515	521	522	523
12 D	521	517	524	526	516	544	530	516	511	513	500	466	471	501	520	485	484	496	512	515	513	508	498	529	509
13 D	467	496	499	504	504	502	519	516	507	502	488	484	495	498	493	499	495	498	516	511	513	520	521	507	<u>502</u>
14 D	507	511	517	513	519	530	503	508	517	507	492	487	485	487	499	503	496	483	507	494	493	487	517	513	503
15	517	516	512	506	508	511	511	515	510	501	493	488	493	502	510	515	520	520	520	520	521	520	520	520	511
16	520	520	520	520	522	524	524	522	518	503	499	501	505	513	511	510	510	520	523	520	511	514	513	510	515
17 Q	512	509	509	510	513	515	520	521	524	517	507	506	509	510	515	519	523	527	517	518	528	529	527	527	517
18	524	524	524	525	524	520	523	522	519	512	506	506	508	515	519	523	515	520	530	529	530	537	524	532	521
19	519	515	519	521	520	528	533	521	507	509	494	482	489	493	502	505	518	514	523	523	522	522	518	523	513
20	523	523	520	523	527	528	526	525	515	501	501	504	491	499	487	499	508	522	519	515	521	529	524	523	515
21	523	522	521	523	520	523	532	517	520	509	503	501	503	508	508	503	509	522	523	522	522	523	523	523	517
22	522	521	522	523	522	522	520	520	516	513	508	501	509	516	513	508	519	513	521	517	519	520	522	532	517
23	526	522	521	522	526	526	518	522	522	513	508	504	507	511	513	512	518	520	522	523	524	526	526	527	519
24	528	527	527	527	527	527	528	531	529	524	522	526	524	526	527	530	531	533	531	523	526	528	527	527	527
25 Q	531	526	527	527	530	531	530	528	531	524	521	518	523	527	528	530	530	530	530	530	528	529	521	517	527
26 Q	516	517	522	521	522	525	525	524	521	515	508	512	515	520	522	523	527	528	530	534	528	519	523	524	522
27 D	521	522	522	522	526	527	527	533	527	525	523	527	522	524	531	532	513	513	497	477	515	521	521	519	520
28	516	515	512	517	521	522	522	524	522	516	517	517	510	507	512	508	512	508	507	515	513	521	521	522	516
29	523	523	522	529	539	542	544	540	540	534	526	526	529	530	527	527	531	536	536	535	527	536	519	520	<u>531</u>
30	519	520	521	526	526	507	539	542	527	511	494	501	515	516	516	519	521	516	529	511	506	506	525	512	518
Mean	519	519	519	519	521	524	<u>525</u>	524	520	511	504	<u>502</u>	504	510	514	515	517	519	522	519	520	522	523	522	517

MAGNETIC DECLINATION (WEST)

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

310. ESKDALEMUIR (D) 13° + NOVEMBER, 1935

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	43·6	44·4	44·2	43·5	44·4	45·1	44·6	44·5	44·7	45·6	46·4	48·5	49·6	50·4	49·7	47·6	46·4	46·6	45·6	45·0	44·8	43·8	42·8	43·5	<u>45·6</u>
2	42·5	42·7	43·4	44·5	44·5	44·4	41·8	42·4	42·4	42·8	45·3	47·2	49·8	49·7	48·4	47·5	47·7	48·6	44·6	38·4	39·3	38·6	39·7	37·3	43·9
3	46·5	42·2	41·3	42·2	42·3	40·7	43·2	42·0	40·7	41·4	43·5	46·6	48·0	48·6	48·3	47·5	44·4	43·3	47·0	45·4	43·4	42·3	39·4	40·4	43·8
4 Q	42·5	43·8	44·4	44·2	43·5	43·3	42·5	42·2	41·6	42·2	43·5	46·3	48·3	48·8	48·3	46·6	46·3	45·4	45·3	45·2	44·4	43·7	43·5	43·4	44·5
5 D	43·2	44·6	44·7	44·4	43·3	43·0	42·6	42·5	42·3	41·9	42·7	47·2	49·6	51·9	49·0	50·0	37·3	43·5	33·5	40·6	40·4	37·7	37·4	37·6	43·0
6	37·3	42·3	45·4	52·9	46·3	42·4	43·7	46·5	43·7	44·4	45·0	46·9	48·2	49·0	48·1	46·5	45·4	44·7	44·5	44·4	44·3	44·2	44·3	44·4	45·2
7	43·6	43·6	44·4	44·4	43·6	43·3	42·5	42·3	41·5	42·7	46·5	47·6	48·4	48·3	47·2	45·6	44·6	44·4	43·6	41·8	41·5	41·7	42·3	42·3	44·1
8	44·6	46·3	46·2	44·2	43·5	43·2	42·4	42·2	41·4	42·1	43·5	46·5	48·5	48·4	47·6	45·4	44·6	46·7	45·2	44·7	41·3	43·9	44·3	44·6	44·6
9	45·0	45·3	45·0	44·5	44·3	43·5	43·3	42·6	42·3	43·3	45·2	47·4	48·2	48·5	47·5	46·5	45·5	45·2	44·4	44·6	44·4	43·8	40·7	42·4	44·7
10 Q	43·9	44·1	43·6	43 7	43·4	43·3	42·6	42·5	42·4	43·2	45·2	46·4	47·2	46·9	46·3	45·8	45·6	45·6	45·3	45·1	44·2	43·5	43·4	43·7	44·5
11	44·2	44·2	44·2	44·0	43·5	43·3	43·2	43·2	43·2	43·4	44·6	47·5	48·7	47·9	47·0	46·8	46·7	46·4	44·3	45·6	40·5	40·6	39·7	37·3	44·2
12 D	40·6	44·2	43·4	42·4	49·9	44·6	42·5	45·2	45·5	43·5	46·2	49·5	49·4	49·9	52·2	47·6	47·3	47·9	44·7	44·3	42·4	40·7	39·5	26·7	44·6
13 D	25·5	39·3	43·4	43·2	44·3	46·4	46·1	44·3	41·7	42·6	43·2	44·4	47·3	47·3	47·1	43·1	42·5	40·4	43·1	44·6	42·5	38·3	33·2	37·4	<u>42·1</u>
14 D	40·4	45·3	44·6	46·4	45·1	45·6	47·8	47·6	45·5	44·5	43·4	45·9	46·6	46·4	46·2	46·8	43·2	41·4	45·7	38·2	46·8	40·3	40·4	40·5	43·9
15	43·2	42·1	42·2	43·9	43·3	42·9	42·1	42·2	42·0	42·2	43·3	45·2	46·9	47·4	47·4	46·9	45·9	44·9	44·2	44·0	43·5	43·4	43·3	43·4	44·0
16	43·6	43·6	43·8	44·1	44·2	44·1	43·5	43·2	42·4	42·9	44·2	45·8	48·0	48·6	47·4	47·5	47·7	46·2	46·2	45·6	43·1	43·4	41·4	39·6	44·6
17 Q	40·3	41·5	43·2	43·2	42·5	42·8	43·2	43·4	43·3	43·1	43·5	45·0	46·2	46·3	46·2	45·6	44·6	44·3	43·3	44·5	44·3	44·1	43·4	44·2	43·8
18	43·9	44·0	44·3	43·9	44·0	43·0	42·7	42·7	42·6	43·3	44·4	45·7	47·9	47·9	47·3	47·4	47·4	41·5	45·2	45·1	44·3	44·3	41·7	32·1	44·0
19	41·4	42·3	42·4	44·6	44·3	42·4	43·5	45·1	44·9	45·3	46·3	49·1	49·6	49·5	48·4	47·0	45·2	44·5	43·6	44·2	43·4	36·1	39·7	42·3	44·4
20	44·3	44·3	43·5	43·4	44·3	43·4	43·9	43·5	44·2	45·3	46·3	48·3	47·1	46·7	47·8	48·9	42·3	42·3	44·6	43·1	42·3	37·5	40·4	43·4	44·2
21	44·0	44·4	44·3	43·3	44·2	44·2	45·1	42·4	43·5	43·3	44·9	46·4	46·4	47·3	46·4	45·1	43·2	42·2	43·3	43·3	43·2	43·3	43·2	43·2	44·2
22	43·2	43·2	43·2	43·3	43·3	43·3	43·2	43·2	42·9	48·3	44·9	46·2	47·1	47·2	46·4	46·1	45·3	43·1	41·3	43·5	43·3	43·2	42·4	41·5	43·9
23	41·8	43·4	44·1	44·1	43·4	43·5	44·3	43·3	42·5	43·3	44·2	46·2	48·3	48·6	47·4	45·4	43·9	44·3	44·2	43·3	43·3	43·3	43·3	43·4	44·3
24	43·4	43·5	43·4	43·2	43·5	43·5	42·4	42·3	43·1	43·1	44·3	46·2	47·6	47·0	46·1	45·9	45·3	45·3	46·2	45·6	44·3	43·4	43·2	43·4	44·4
25 Q	42·7	43·2	42·6	43·3	43·2	43·1	42·5	43·2	43·2	43·3	43·4	45·3	46·5	46·4	46·3	46·2	45·5	45·3	44·3	44·2	43·3	43·1	42·2	41·6	43·9
26 Q	42·3	43·1	41·5	41·5	42·3	42·5	42·5	42·9	42·9	43·4	44·4	45·2	46·3	47·1	46·3	45·3	44·4	44·2	43·9	43·7	43·7	42·4	42·4	41·7	43·6
27 D	42·4	42·4	43·2	43·3	43·5	43·4	43·2	42·4	42·5	42·4	43·5	45·7	47·2	46·6	48·2	48·4	48·2	46·4	47·9	34·3	44·2	43·6	43·2	43·2	44·1
28	42·2	42·4	43·2	43·7	43·5	43·2	43·5	43·8	43·6	43·3	43·3	44·2	45·8	46·0	46·5	46·5	46·3	47·0	44·1	44·2	42·2	41·3	42·3	42·4	43·9
29	43·4	43·5	44·5	44·5	44·5	44·4	43·9	44·2	43·9	44·3	45·4	46·1	46·4	48·1	47·7	46·3	45·4	45·3	45·0	45·4	42·4	33·2	43·2	44·3	44·4
30	44·3	43·8	43·2	44·2	42·5	41·8	44·3	43·3	44·2	44·5	45·6	46·1	48·1	48·4	47·3	46·9	46·1	43·1	43·2	44·9	42·4	35·7	36·4	42·6	43·9
Mean	42·3	43·4	43·7	44·1	43·9	43·5	43·4	43·4	43·0	43·3	44·5	46·5	47·8	<u>48·1</u>	47·5	46·6	45·1	44·7	44·2	43·6	42·8	41·5	41·4	<u>41·4</u>	44·1

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

311. ESKDALEMUIR (V) 44,000 γ (·44 C.G.S.unit) NOVEMBER, 1935

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	884	884	884	884	884	878	874	873	873	873	873	873	875	880	885	890	887	887	887	885	884	884	888	885	882
2	884	881	884	883	882	882	881	881	882	884	881	881	881	882	885	888	888	892	903	904	900	878	877	882	885
3	864	857	864	875	882	883	886	889	891	888	885	884	886	887	889	893	897	897	890	889	886	885	885	878	884
4 Q	879	880	883	883	884	885	884	885	883	883	883	882	883	883	883	887	887	887	886	886	886	888	886	886	884
5 D	884	883	878	880	882	884	884	884	884	887	886	882	881	883	886	894	912	912	912	906	889	892	876	846	887
6	857	865	866	846	843	862	865	869	871	876	881	885	885	885	888	889	889	889	888	888	888	886	886	885	876
7	886	885	885	885	885	885	885	885	885	882	881	883	885	885	886	887	887	886	887	893	897	893	889	886	886
8	882	882	878	879	883	883	882	883	886	886	886	888	888	889	890	896	900	898	894	892	894	891	888	887	888
9	887	887	886	884	884	883	883	883	883	883	883	885	884	884	887	887	887	886	886	886	887	892	892	893	886
10 Q	892	892	891	888	888	885	884	884	884	881	878	880	883	885	887	885	885	884	884	884	884	884	885	886	885
11	885	885	884	884	883	880	880	877	876	877	875	875	877	878	884	885	887	885	886	892	898	896	886	878	883
12 D	869	870	873	875	866	857	867	873	875	876	874	877	886	888	898	927	958	946	922	907	901	899	898	886	890
13 D	877	872	875	886	887	886	886	888	891	891	890	893	891	891	905	917	926	923	910	900	897	894	877	875	893
14 D	876	879	882	883	884	883	883	883	884	887	891	891	891	898	905	910	922	925	912	906	902	900	887	893	894
15	888	882	884	888	891	892	891	892	895	896	896	889	888	888	892	892	894	893	892	892	892	892	890	890	891
16	889	889	889	889	889	889	890	890	892	892	891	891	889	891	896	899	900	901	902	903	908	907	902	901	895
17 Q	897	895	894	894	895	894	892	890	889	888	888	889	889	887	891	893	894	894	895	897	894	892	891	890	892
18	890	890	889	887	887	889	889	887	889	889	887	886	886	887	889	892	896	901	895	894	892	890	891	888	890
19	884	883	880	876	881	884	884	886	887	890	891	892	896	899	899	901	899	899	899	896	896	896	892	888	891
20	888	888	889	889	887	886	886	886	888	892	892	892	900	904	907	907	909	907	898	900	898	894	890	888	894
21	889	888	886	886	886	883	879	886	886	889	892	897	898	897	901	902	901	899	893	893	893	893	894	893	892
22	893	891	890	890	890	890	890	890	891	892	891	891	894	895	899	900	898	898	899	898	896	895	894	888	893
23	882	884	887	887	887	887	887	888	889	890	891	894	894	893	898	898	897	895	894	893	891	891	890	891	891
24	891	891	891	891	888	888	887	887	888	892	890	888	889	891	891	891	891	889	890	892	895	893	892	892	890
25 Q	887	889	889	889	888	888	887	886	885	889	889	892	892	892	892	892	891	890	888	888	891	891	893	894	890
26 Q	894	893	893	891	889	889	888	887	886	887	886	886	886	887	890	891	890	890	890	889	891	895	894	893	890
27 D	892	891	891	891	890	889	888	886	886	886	886	887	887	890	891	891	898	912	918	955	920	906	900	898	897
28	896	895	895	894	892	892	892	890	888	888	886	881	881	886	893	899	899	901	906	901	900	897	894	893	893
29	891	890	889	888	885	885	885	883	882	881	882	884	885	885	888	889	890	890	889	890	897	905	900	897	889
30	896	896	893	890	889	889	877	877	880	885	889	891	893	896	897	896	900	904	902	907	911	904	892	893	894
Mean	885	885	885	885	884	884	884	884	885	886	886	886	887	889	892	896	899	899	897	897	895	893	890	887	889

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

312. ESKDALEMUIR NOVEMBER, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 44,000 γ +			Minimum 44,000 γ +			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	6	0	538	501	12	18	37	12	55	51·5	41·5	0	1	10·0	15	25	891	872	9	10	19	146	0	85·9
2	21	23	575	479	20	26	96	12	39	53·2	31·6	21	20	21·6	18	30	906	870	21	52	36	320	1	85·9
3	20	3	551	474	16	36	77	0	30	54·4	37·4	22	38	17·0	16	48	903	847	1	1	56	378	1	85·7
4 Q	22	12	532	493	11	24	39	12	41	50·9	40·4	0	1	10·5	16	0	887	877	0	6	10	109	0	85·7
5 D	22	51	581	444	18	21	137	13	31	53·5	24·5	18	36	29·0	17	55	923	846	23	47	77	572	1	85·7
6	5	52	536	473	10	13	63	3	20	54·8	34·5	0	3	20·3	15	28	891	840	3	55	51	333	1	85·6
7	18	28	537	489	12	13	48	11	58	49·5	39·2	20	0	10·3	20	20	896	881	10	38	15	146	0	85·6
8	20	45	539	486	10	44	53	13	2	50·5	39·3	20	32	11·2	16	22	902	877	2	33	25	199	0	85·6
9	20	20	541	490	10	35	51	11	33	50·2	40·2	23	0	10·0	23	18	895	882	9	55	13	138	0	85·6
10 Q	17	38	538	504	11	18	34	13	20	47·5	42·2	6	24	5·3	0	30	894	877	10	24	17	132	0	85·5
11	16	20	535	498	12	23	37	12	54	50·3	33·2	23	24	17·1	21	3	900	872	24	0	28	191	1	85·5
12 D	5	13	557	447	12	17	110	14	57	56·5	18·4	23	50	38·1	16	48	965	853	5	19	112	685	1	85·5
13 D	21	58	584	450	0	26	134	14	20	50·2	21·5	0	1	28·7	16	31	931	869	2	8	62	499	1	85·5
14 D	18	17	558	463	19	31	95	18	54	54·2	30·4	19	38	23·8	16	38	926	876	0	20	50	382	1	85·4
15	1	48	525	486	11	32	39	13	12	48·2	41·0	2	8	7·2	9	43	896	883	2	0	13	118	0	85·4
16	22	32	530	496	10	39	34	13	27	49·2	39·0	23	0	10·2	20	22	910	889	12	33	21	146	0	85·4
17 Q	21	47	532	502	11	33	30	12	6	47·4	39·5	0	34	7·9	0	1	900	887	10	58	13	108	0	85·3
18	23	24	551	502	11	0	49	14	27	49·3	28·0	23	23	21·3	17	45	903	886	12	30	17	153	1	85·3
19	6	30	539	478	11	10	61	11	46	50·4	32·2	21	46	18·2	16	0	903	877	3	32	26	218	1	85·2
20	21	24	546	477	16	44	69	14	58	50·5	31·7	16	56	18·8	16	52	915	885	6	15	30	249	1	85·2
21	6	27	538	492	11	50	46	13	53	48·3	40·2	17	10	8·1	15	0	904	878	6	28	26	191	0	85·2
22	23	45	552	499	11	40	53	13	5	47·4	39·1	23	34	8·3	15	20	902	882	24	0	20	177	0	85·1
23	0	1	534	500	10	52	34	13	18	49·2	40·2	0	10	9·0	16	10	898	881	0	10	17	132	0	85·1
24	17	54	540	518	9	28	22	12	37	49·2	41·3	7	25	7·9	20	10	895	886	7	44	9	76	0	84·9
25 Q	0	6	536	516	23	59	20	12	39	48·2	41·2	23	8	7·0	23	30	894	885	8	19	9	67	0	84·9
26 Q	20	34	537	507	10	53	30	13	39	47·2	41·2	2	40	6·0	21	40	897	885	11	30	12	99	0	84·9
27 D	15	8	542	448	19	28	94	18	14	53·2	30·2	19	42	23·0	19	32	971	883	9	5	88	550	1	84·9
28	7	58	529	497	18	6	32	17	20	47·9	41·2	21	38	6·7	18	16	907	880	12	20	27	170	0	84·9
29	21	36	549	494	20	54	55	14	20	48·4	28·3	21	28	20·1	20	58	915	881	9	10	34	244	1	85·0
30	6	24	566	471	11	7	95	12	12	50·6	31·0	21	30	19·6	20	39	913	874	6	27	39	330	1	84·9
Mean	--	--	545	486	--	--	59	--	--	50·4	35·3	--	--	15·0	--	--	908	875	--	--	32	242	0·47	85·3
No. of Days Used	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 181. 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

313. ESKDALEMUIR (H) — 16,000 γ (·16 C.G.S.unit) + — DECEMBER, 1935

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	514	514	511	511	503	516	514	511	511	506	502	509	509	506	506	520	501	519	516	524	517	534	524	503	513
2	525	507	496	523	522	525	523	516	507	492	499	498	467	506	515	519	517	518	522	522	523	521	507	504	511
3	509	500	509	509	505	510	512	512	509	504	500	500	506	505	513	486	487	497	519	509	524	515	521	518	507
4 Q	513	509	518	513	513	514	515	513	510	509	509	509	513	519	520	522	519	523	524	527	526	524	523	520	517
5 Q	519	518	519	520	520	519	520	518	514	514	514	518	524	526	525	525	529	527	528	531	526	514	523	526	522
6 Q	523	522	521	522	522	523	522	521	515	513	511	508	510	519	519	519	525	526	526	524	525	526	523	520	520
7	520	520	518	523	525	526	526	522	522	518	515	499	499	504	517	518	524	526	523	523	526	528	524	517	519
8	523	523	523	521	522	526	533	530	526	522	521	518	520	526	529	530	531	518	526	527	541	525	523	526	525
9	521	521	522	522	527	532	531	531	529	525	512	505	508	514	519	522	527	528	525	516	517	509	517	522	521
10	510	517	526	526	531	536	535	534	530	525	515	506	507	516	522	526	525	512	522	523	522	516	522	524	522
11	526	525	521	525	529	532	534	534	522	513	507	498	511	512	516	517	521	526	529	529	526	508	514	520	521
12	517	524	521	525	526	526	527	526	527	525	520	516	517	522	521	509	494	516	521	506	521	520	511	517	519
13	518	521	525	529	538	535	526	518	518	512	506	504	491	500	512	515	512	519	521	523	524	521	520	519	518
14 D	520	519	518	519	521	521	521	521	522	519	497	487	501	499	499	507	488	504	488	492	507	500	506	516	508
15	505	497	496	526	506	510	515	514	487	473	474	475	478	483	487	501	505	495	501	520	518	519	517	515	501
16	525	524	513	529	519	532	520	505	519	502	473	487	497	500	487	490	510	506	510	510	509	543	514	511	510
17	511	513	514	515	515	520	522	521	514	499	499	496	494	512	513	514	514	509	522	524	522	521	524	527	514
18	517	514	518	522	524	531	531	523	514	508	508	507	506	502	512	512	515	518	512	518	518	513	520	526	516
19	518	511	513	517	521	522	520	517	512	511	504	503	502	516	515	512	517	518	513	518	512	520	516	518	514
20	535	520	520	521	523	526	526	522	519	516	516	513	513	512	514	503	511	512	516	515	527	516	526	522	519
21	521	521	520	521	524	524	524	525	517	511	520	516	515	513	512	519	522	527	528	524	516	515	516	521	520
22 Q	526	526	524	525	525	526	526	525	524	516	516	517	519	520	522	520	522	527	527	529	526	523	521	522	523
23 Q	521	522	524	525	525	527	526	527	525	524	522	515	511	511	512	519	525	528	530	530	529	525	523	524	523
24	524	524	527	528	529	532	532	528	530	528	528	523	525	526	522	523	524	528	530	533	537	542	526	506	527
25	501	509	516	517	522	527	532	537	532	531	521	520	525	518	512	521	531	527	514	500	496	491	496	501	517
26 D	496	496	498	510	508	518	529	533	534	528	525	517	525	518	516	520	501	516	512	504	498	506	488	478	511
27 D	472	488	505	504	511	523	527	513	506	510	502	494	509	516	509	523	516	516	510	496	494	492	505	487	505
28 D	485	523	500	501	505	511	506	514	521	521	482	489	515	522	519	525	521	524	519	523	521	511	515	516	512
29	501	506	505	505	514	514	510	509	505	505	504	505	510	512	509	517	516	520	524	524	523	521	523	513	512
30	512	515	515	518	518	514	512	506	509	510	499	501	511	514	514	515	520	525	505	524	523	520	519	515	514
31	518	515	516	518	518	518	518	513	511	505	500	499	507	515	523	524	525	517	518	521	523	529	520	519	516
Mean	514	515	515	519	520	523	523	521	517	513	507	505	508	512	514	516	516	518	519	519	520	518	517	515	516

522 at 0-1h. Jan. 1st 1936.

MAGNETIC DECLINATION (WEST)

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

314. ESKDALEMUIR (D) — 13° + — DECEMBER, 1935

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	43·3	44·2	42·0	41·1	41·6	40·6	46·5	48·3	43·1	43·8	44·6	44·6	47·2	49·0	45·2	46·5	45·3	44·1	46·5	44·3	42·5	35·6	37·2	41·3	43·7
2	43·5	43·1	45·3	45·2	41·5	43·3	44·2	43·3	44·3	45·6	47·3	49·3	48·3	48·7	46·6	45·5	45·1	45·2	43·3	43·3	43·1	42·4	37·6	35·1	44·2
3	42·5	43·2	42·4	39·7	41·5	42·5	43·2	43·2	43·2	43·2	44·2	45·3	46·4	46·1	45·5	39·0	43·2	45·6	39·1	44·3	43·2	43·4	42·4	42·2	43·1
4 Q	41·2	42·6	44·1	42·1	42·9	43·1	43·3	43·3	43·5	44·3	46·1	47·3	47·2	46·2	45·3	45·4	45·4	45·9	45·2	44·5	44·2	43·9	43·5	43·3	44·3
5 Q	43·1	43·2	42·3	42·2	42·2	42·3	42·2	42·3	43·2	44·1	45·3	46·2	46·3	45·4	45·2	44·8	44·8	44·9	44·5	44·3	45·3	41·5	43·5	43·3	43·9
6 Q	43·2	43·1	42·3	42·3	42·4	42·5	42·3	42·2	42·2	43·3	44·3	47·2	47·2	47·2	45·9	45·1	44·8	44·9	44·7	45·2	44·0	41·4	42·0	42·2	43·8
7	42·7	42·2	42·3	42·2	42·0	41·8	42·2	42·3	42·2	42·2	45·1	46·3	48·4	50·2	46·4	44·4	44·2	44·3	42·1	42·2	39·5	37·1	41·4	40·3	43·1
8	43·8	43·5	40·7	42·3	42·4	43·1	42·3	42·0	41·2	41·0	42·5	44·1	47·2	47·3	46·2	45·1	44·8	43·8	43·5	43·2	38·9	42·3	41·1	41·5	43·1
9	41·6	42·5	43·3	43·1	42·5	42·6	42·5	42·4	42·4	42·3	42·5	43·2	46·1	46·8	47·0	46·0	45·4	45·3	44·2	44·0	43·2	40·3	39·2	31·4	42·9
10	37·0	42·2	44·0	43·4	43·6	44·1	43·2	43·1	42·4	42·8	43·0	44·2	46·2	47·6	46·3	46·1	45·4	41·6	43·2	43·1	42·1	41·3	42·1	42·4	43·3
11	43·2	44·0	43·6	43·6	43·2	42·4	42·3	42·2	41·4	42·3	44·1	45·1	47·2	48·1	47·9	47·0	45·9	44·1	43·7	43·2	42·8	40·2	30·5	38·6	43·2
12	39·6	40·5	41·3	42·5	42·4	43·1	43·1	43·1	43·2	43·3	44·1	45·2	47·5	48·4	49·5	49·5	48·0	45·1	44·1	42·5	41·3	41·2	39·2	41·4	43·7
13	42·3	43·4	45·0	43·8	42·2	43·2	46·1	49·1	46·8	46·3	45·1	46·4	45·4	47·9	45·9	45·8	45·5	41·4	44·1	43·3	42·9	42·2	42·1	42·1	44·5
14 D	42·2	42·3	42·3	43·1	42·3	42·2	42·2	42·2	42·1	43·1	45·4	47·2	47·0	47·6	47·3	41·4	46·1	45·8	41·0	38·3	39·3	39·1	28·3	40·1	42·4
15	38·3	39·7	46·4	37·5	42·1	43·3	52·0	51·3	51·2	47·6	47·1	46·3	47·0	47·3	43·7	43·4	44·7	41·8	39·0	43·1	42·3	40·2	40·5	42·2	44·1
16	42·2	43·3	42·3	44·0	41·6	42·8	44·1	47·7	47·2	46·9	45·3	47·2	48·2	48·1	48·2	43·3	44·2	40·3	40·1	42·4	41·3	35·0	37·3	42·4	43·6
17	41·1	42·4	43·3	40·2	42·4	43·2	43·2	43·5	43·2	44·1	44·2	45·2	44·2	45·2	45·4	45·1	44·3	43·5	44·1	43·2	43·1	42·3	41·1	40·2	43·2
18	42·3	42·2	42·9	42·3	43·4	44·0	44·2	44·2	43·1	44·1	44·2	45·1	46·0	47·0	46·1	45·3	42·4	43·4	43·4	35·6	40·3	41·6	40·2	36·7	42·9
19	37·2	40·6	42·5	43·1	43·2	44·2	43·6	42·5	42·1	43·1	43·7	45·6	47·1	46·5	45·9	45·3	44·9	44·1	43·1	42·5	41·1	40·7	42·2	42·4	43·2
20	45·2	43·1	43·2	43·1	42·8	42·3	42·2	42·1	42·2	43·0	43·4	45·1	46·5	45·5	46·2	44·6	45·1	44·2	43·0	42·5	41·4	41·6	41·8	43·0	43·5
21	43·1	43·1	42·5	42·6	42·4	42·8	42·4	42·3	42·1	43·2	42·8	45·1	46·0	46·1	45·5	45·2	44·8	44·1	43·3	40·6	41·4	42·3	42·8	42·1	43·3
22 Q	41·4	42·6	43·2	43·2	42·4	42·4	42·5	42·6	42·3	42·5	43·3	44·3	45·2	45·1	45·1	44·4	44·4	45·1	44·5	44·1	43·4	43·1	42·4	42·5	43·4
23 Q	42·9	42·9	42·8	42·4	42·4	42·3	42·2	41·9	41·9	42·1	42·4	43·3	44·3	44·9	45·1	44·6	44·3	43·7	43·3	43·2	43·2	42·9	42·9	42·5	43·1
24	42·4	42·5	43·2	43·4	42·6	42·4	43·2	42·4	42·6	42·4	42·8	43·2	44·3	44·4	44·6	44·7	44·4	44·2	43·3	43·2	43·0	42·5	41·4	34·1	42·8
25	35·6	39·4	43·3	44·2	43·6	43·1	42·5	42·6	42·5	43·1	44·2	47·2	48·3	46·2	45·4	45·5	44·2	44·1	48·8	47·9	42·9	41·7	40·4	39·7	43·6
26 D	39·2	34·1	36·4	39·0	40·4	40·5	46·4	44·2	46·2	46·1	44·8	46·2	48·5	48·4	49·6	54·9	47·1	48·2	46·5	45·6	38·3	40·3	36·5	31·5	43·3
27 D	32·4	33·1	37·4	34·6	39·3	43·1	44·3	42·6	45·1	44·1	44·8	48·1	49·1	47·7	45·9	47·8	49·5	50·5	50·5	48·7	45·5	39·2	40·3	39·4	43·5
28 D	38·3	39·1	32·6	35·2	37·4	38·9	39·5	42·2	41·0	42·6	46·7	52·2	45·3	45·9	44·5	44·6	45·1	45·2	38·4	44·3	42·5	40·4	40·2	36·4	41·6
29	36·3	42·6	41·6	41·5	41·7	42·3	42·2	42·3	42·3	43·2	45·1	45·5	46·3	45·8	44·1	44·5	45·2	42·5	43·5	40·3	42·2	41·6	36·2	40·3	42·5
30	43·3	42·6	41·5	41·5	41·6	42·2	41·3	41·5	41·3	44·0	44·5	46·3	45·1	44·6	43·9	43·8	44·2	44·0	38·4	42·9	42·3	42·3	41·5	42·6	42·8
31	41·2	41·5	41·4	41·8	42·1	41·8	41·3	41·3	41·7	42·6	43·0	44·0	45·6	44·1	44·0	44·0	44·5	41·3	42·5	43·2	41·6	43·4	41·0	42·4	42·6
Mean	41·0	41·8	42·2	41·8	42·1	42·5	43·3	43·4	43·2	43·6	44·4	45·9	46·6	46·8	45·9	45·2	45·1	44·3	43·4	43·2	42·2	41·1	40·0	40·2	43·3

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323 - 334.
41·2 at 0-1h. Jan. 1st 1936.

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, 1935

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	894	894	894	892	893	889	881	871	878	886	889	892	893	900	905	903	909	913	905	901	901	898	891	893	894
2	886	884	883	878	883	886	890	890	891	893	891	891	903	901	899	899	899	899	898	898	895	894	895	891	892
3	868	875	888	891	891	890	892	893	893	893	894	894	895	896	896	912	915	911	909	905	897	897	895	894	895
4 Q	893	893	889	890	893	894	894	896	894	893	893	892	893	894	892	892	893	893	894	895	895	895	895	895	893
5 Q	894	894	894	894	894	894	894	894	893	892	893	894	894	895	896	894	893	893	893	893	895	900	896	895	894
6 Q	895	894	894	892	891	891	891	891	891	891	891	892	894	895	896	895	896	895	895	896	898	898	897	898	894
7	897	896	896	895	893	892	892	893	893	895	893	895	896	899	899	900	900	899	900	900	900	898	895	895	896
8	892	885	888	889	889	890	889	890	892	893	893	893	890	890	892	893	893	896	895	894	893	893	893	893	892
9	893	893	890	890	889	888	888	888	888	889	891	894	892	894	894	894	894	894	895	900	906	909	903	896	894
10	887	883	883	885	886	886	886	886	887	888	890	891	887	889	891	894	895	902	899	896	898	899	895	895	891
11	893	893	895	893	892	892	891	891	892	892	892	895	894	896	902	902	902	899	896	896	896	900	903	893	895
12	893	889	889	888	888	888	889	890	889	888	888	888	888	891	895	901	911	911	907	908	904	901	903	898	895
13	895	892	889	891	890	889	889	886	886	889	893	893	897	897	900	901	905	909	904	901	900	898	897	897	895
14 D	897	897	897	897	895	895	894	894	894	893	893	896	897	901	909	920	923	925	948	937	921	914	912	891	906
15	891	880	872	875	887	890	881	883	893	901	907	913	918	917	924	921	915	916	920	907	903	902	899	899	901
16	894	884	891	888	891	891	892	892	888	890	900	903	903	910	920	929	915	916	914	909	908	900	890	893	900
17	895	891	889	889	892	895	896	897	900	900	901	900	903	901	900	901	901	902	900	900	900	898	898	890	897
18	889	893	893	894	894	892	891	892	893	895	897	900	899	902	904	905	907	904	905	909	903	903	900	894	898
19	884	885	889	890	892	892	894	896	897	897	900	899	899	898	897	898	898	898	901	900	903	901	900	897	896
20	885	889	893	893	893	893	894	897	898	898	898	898	897	897	898	902	901	901	901	901	900	898	896	896	897
21	894	894	894	893	893	893	893	894	897	896	894	891	891	893	895	896	894	894	894	897	897	897	898	897	895
22 Q	894	890	890	890	890	890	890	891	891	893	893	894	891	890	890	891	893	893	893	893	894	894	894	893	892
23 Q	893	893	891	890	890	890	890	890	890	889	891	890	890	890	891	890	890	890	890	890	890	890	892	892	891
24	890	890	889	886	886	886	886	886	885	885	886	886	886	887	888	889	887	887	886	885	884	884	889	900	887
25	898	897	890	889	887	886	885	881	882	882	882	879	882	886	886	890	890	890	896	913	924	921	913	909	893
26 D	908	906	901	891	885	879	871	868	871	877	880	887	887	894	894	895	909	908	910	916	916	910	899	884	894
27 D	891	897	895	889	878	880	874	872	875	876	885	891	891	895	900	899	899	906	920	935	941	947	932	925	900
28 D	927	910	891	882	880	884	886	882	880	879	881	881	884	885	892	892	892	892	901	895	895	898	897	890	891
29	891	891	886	890	893	892	892	890	889	888	889	889	888	892	893	896	896	898	897	894	891	890	891	889	891
30	889	890	890	890	890	890	890	888	886	886	887	886	886	887	889	890	891	894	902	895	891	890	890	889	890
31	887	889	889	890	890	890	890	890	887	887	886	884	886	887	887	887	890	898	896	893	891	891	889	887	889
Mean	893	891	890	889	889	890	889	888	889	890	892	893	893	895	897	899	900	901	902	902	901	900	898	895	894

887 at 0-1h. Jan. 1st 1936.

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

316. ESKDALEMUIR DECEMBER, 1935

Day	Terrestrial Magnetic Elements: Horizontal Force: Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination: Maximum 13° +			Minimum 13° +			Range	Vertical Force: Maximum 44,000 γ +			Minimum 44,000 γ +			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 D	21	35	555	450	16	43	105	6	47	52·2	32·5	21	26	19·7	16	53	923	870	7	10	53	411	1	84·9
2	21	58	531	446	12	22	85	11	33	50·6	30·3	23	6	20·3	12	54	907	875	3	13	32	281	1	84·9
3	20	33	541	473	15	24	68	12	40	48·4	33·5	0	1	14·9	16	0	919	861	0	49	58	363	1	84·8
4 Q	2	23	531	505	11	6	26	12	4	49·2	40·4	0	15	8·8	7	35	896	889	2	30	7	74	0	84·7
5 Q	16	37	536	505	21	14	31	12	43	46·6	39·8	21	27	6·8	21	30	902	890	9	43	12	99	0	84·5
6 Q	22	2	532	507	10	42	25	11	59	48·2	39·9	21	43	8·3	21	48	899	891	6	4	8	77	0	84·5
7	20	42	545	493	11	50	52	13	24	51·3	34·2	21	3	17·1	16	4	903	892	6	0	11	135	1	84·4
8	20	32	553	510	0	16	43	13	20	47·9	37·3	20	30	10·6	17	40	897	884	1	30	13	125	1	84·4
9	17	12	532	498	11	34	34	14	46	47·6	28·6	23	40	19·0	21	25	911	887	9	12	24	164	1	84·4
10	6	10	539	498	17	26	41	13	24	48·3	30·1	0	1	18·2	17	44	904	882	1	20	22	162	1	84·4
11	7	10	538	494	11	28	44	14	31	48·3	27·3	22	28	21·0	21	55	905	891	7	20	14	131	1	84·4
12	6	5	530	492	16	45	38	14	40	50·3	37·3	20	10	13·0	16	47	915	885	12	22	30	198	1	84·4
13	5	18	543	479	12	48	64	8	4	50·1	39·0	17	14	11·1	17	13	913	885	8	10	28	232	1	84·4
14 D	23	3	578	465	22	25	113	14	20	49·8	20·2	22	40	29·6	18	37	966	890	23	37	76	527	1	84·4
15	3	29	545	464	11	33	81	7	0	54·1	33·1	18	12	21·0	14	50	926	870	2	0	56	379	1	84·3
16	21	43	589	445	14	58	144	13	2	51·7	28·4	21	28	23·3	15	4	934	882	1	16	52	471	1	84·4
17	22	52	554	474	11	55	80	12	7	47·8	38·3	23	4	9·5	12	14	904	888	24	0	16	204	1	84·3
18	23	40	539	493	19	0	46	13	32	47·2	33·2	19	23	14·0	19	15	912	886	24	0	26	193	1	84·3
19	0	1	535	493	12	20	42	12	44	48·2	33·3	0	15	14·9	20	50	904	881	0	55	23	172	0	84·3
20	0	9	549	498	15	49	51	12	59	47·3	40·1	21	53	7·2	15	52	904	884	0	40	20	169	0	84·3
21	24	0	534	506	9	26	28	13	22	47·0	38·2	24	0	8·8	22	9	898	890	11	58	8	82	0	84·2
22 Q	0	5	539	516	10	33	23	12	32	45·5	38·4	0	1	7·1	21	40	896	889	3	0	7	69	0	83·9
23 Q	20	26	532	510	11	0	22	14	52	45·2	41·8	8	24	3·4	0	1	894	888	9	10	6	65	0	83·8
24	21	34	556	501	23	43	55	13	53	45·2	32·5	23	28	12·7	23	50	902	882	21	35	20	181	1	83·7
25	7	47	546	479	20	0	67	18	38	53·7	33·1	0	1	20·6	20	42	931	879	11	48	52	344	1	83·7
26 D	6	28	547	466	24	0	81	15	30	56·2	29·0	23	14	27·2	20	4	924	867	7	22	57	390	1	83·7
27 D	5	37	542	457	0	13	85	18	0	54·3	31·1	1	12	23·2	21	36	950	872	7	5	78	490	1	83·7
28 D	1	31	557	451	11	53	106	11	23	55·3	29·2	2	9	26·1	0	1	932	876	10	0	56	426	1	83·7
29	19	44	550	490	0	34	60	12	40	47·6	30·3	22	48	17·3	14	18	900	885	2	32	15	166	1	83·6
30	1	30	532	486	18	22	46	1	50	48·0	34·0	18	33	14·0	18	39	905	885	9	20	20	166	1	83·6
31	21	43	542	492	10	0	50	12	32	46·6	35·4	21	35	11·2	17	40	899	884	12	4	15	150	1	83·5
Mean	--	--	544	485	--	--	59	--	--	49·3	33·9	--	--	15·5	--	--	912	883	--	--	30	229	0·74	84·2
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323 - 334.

Departures from mean of the day adjusted for non-cyclic change.†

NORTH COMPONENT (ALL DAYS)

317 ESKDALEMUIR 1935

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
	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	-0·8	-2·6	-0·9	+0·7	+4·6	+7·0	+5·6	+6·4	+0·7	-1·5	-4·7	-8·5	-8·9	-5·3	-1·6	-0·9	+0·1	+2·8	+1·5	+1·5	+1·6	+1·0	+0·8	+1·5
February	+2·1	+3·7	+3·6	+2·3	+5·7	+6·2	+9·6	+8·5	+3·9	-3·0	-9·8	-15·1	-13·3	-8·3	-3·9	-3·6	-4·3	-0·3	+0·8	+1·8	+4·5	+0·7	+2·9	+5·6
March	+5·9	+2·8	+2·1	+5·2	+3·2	+7·8	+6·5	+4·3	-0·1	-10·2	-15·7	-19·7	-18·2	-11·8	-3·8	-2·4	+1·4	+2·6	+5·0	+5·9	+6·6	+7·1	+8·3	+7·3
April	+6·5	+5·9	+4·6	+7·4	+8·0	+7·7	+5·3	+2·8	-8·0	-19·5	-30·5	-32·5	-27·6	-18·7	-8·2	+0·2	+8·7	+12·8	+14·8	+14·8	+12·1	+10·9	+10·8	+11·5
May	+6·0	+5·4	+3·6	+3·8	+5·4	+5·1	+1·2	-2·6	-9·1	-16·6	-23·0	-25·7	-23·2	-13·9	-8·2	-1·4	+8·5	+13·5	+15·3	+16·6	+13·5	+11·1	+8·3	+6·3
June	+6·1	+5·9	+4·1	+4·7	+5·2	+5·0	+1·3	-5·4	-15·7	-24·4	-29·4	-29·6	-21·7	-17·4	-4·7	+4·6	+13·7	+18·1	+23·5	+22·2	+15·5	+8·5	+5·8	+4·2
July	+7·7	+6·9	+7·2	+7·6	+6·1	+4·0	+3·0	-5·1	-14·6	-21·1	-27·3	-29·5	-24·3	-17·1	-4·5	+3·3	+5·4	+10·5	+13·5	+16·2	+16·4	+13·6	+12·5	+9·8
August	+8·7	+7·3	+6·1	+5·8	+6·7	+6·2	+3·0	-4·9	-16·3	-24·0	-26·3	-24·7	-19·5	-14·1	-6·4	+0·4	+4·7	+11·2	+13·9	+14·9	+15·3	+11·0	+10·3	+11·0
September	+6·5	+7·9	+7·9	+8·0	+11·7	+8·2	+6·8	-3·4	-14·7	-23·3	-28·9	-27·1	-20·5	-12·8	-5·1	+1·6	+7·7	+9·9	+11·7	+9·5	+11·1	+12·6	+9·8	+4·8
October	+9·8	+8·9	+8·1	+8·5	+10·1	+10·9	+10·2	+3·9	-2·4	-12·3	-23·0	-29·0	-26·1	-17·6	-9·4	-4·3	-0·5	+3·1	+7·5	+6·9	+8·0	+7·2	+12·1	+9·6
November	+3·3	+2·2	+2·3	+1·7	+4·1	+7·7	+8·5	+7·1	+3·9	-4·9	-13·5	-17·9	-16·8	-11·8	-6·7	-5·4	-1·5	+1·3	+4·6	+2·1	+4·7	+8·0	+8·9	+8·2
December	+1·1	+0·9	+0·5	+4·7	+5·0	+7·9	+6·8	+4·3	+1·5	-3·6	-10·0	-13·7	-11·8	-7·5	-5·2	-2·5	-2·2	+1·3	+2·4	+2·9	+4·8	+4·7	+4·6	+2·8
Year	+5·2	+4·6	+4·1	+5·0	+6·3	+7·0	+5·7	+1·3	-5·9	-13·7	-20·2	-22·8	-19·3	-13·0	-5·7	-0·9	+3·5	+7·3	+9·5	+9·6	+9·5	+8·0	+7·9	+6·9
Winter	+1·4	+1·0	+1·4	+2·3	+4·8	+7·1	+7·6	+6·6	+2·5	-3·2	-9·5	-13·9	-12·7	-8·2	-4·4	-3·0	-2·0	+1·2	+2·3	+2·1	+3·9	+3·6	+4·6	+4·5
Equinox	+7·1	+6·4	+5·7	+7·3	+8·2	+8·7	+7·1	+1·9	-6·3	-16·3	-24·5	-27·1	-23·1	-15·2	-6·6	-1·2	+4·3	+7·1	+9·8	+9·2	+9·4	+9·5	+10·3	+8·3
Summer	+7·2	+6·4	+5·2	+5·5	+5·9	+5·1	+2·2	-4·5	-13·9	-21·5	-26·5	-27·4	-22·1	-15·6	-5·9	+1·7	+8·1	+13·3	+16·5	+17·4	+15·2	+11·1	+9·2	+7·8

WEST COMPONENT (ALL DAYS)

318 ESKDALEMUIR 1935

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
	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	-12·2	-7·0	-4·4	-4·6	-3·4	-1·3	+0·3	+1·3	+2·2	+4·5	+5·1	+8·3	+11·2	+14·7	+11·1	+9·3	+5·1	+4·0	+2·9	-2·6	-8·9	-10·0	-14·5	-10·9
February	-12·1	-7·3	-8·3	-7·0	-3·3	-2·6	-1·3	-2·3	-2·2	-2·5	+3·1	+9·4	+16·3	+19·9	+21·4	+16·5	+9·3	+6·7	+0·5	-3·8	-7·9	-13·6	-14·5	-14·2
March	-11·2	-11·2	-8·3	-8·3	-8·0	-7·3	-7·9	-8·1	-11·5	-10·6	-0·6	+10·7	+23·9	+29·8	+27·9	+21·1	+12·3	+2·5	-1·9	-0·8	-4·0	-8·1	-10·0	-10·5
April	-5·5	-3·9	-2·9	-6·1	-10·5	-9·8	-11·9	-18·0	-22·2	-19·2	-10·2	+4·4	+20·0	+27·9	+28·6	+22·1	+15·9	+10·6	+4·9	+2·2	-2·6	-4·2	-4·7	-5·1
May	-7·7	-7·2	-8·3	-5·1	-10·3	-15·3	-17·4	-19·7	-21·3	-17·5	-5·2	+7·7	+20·2	+26·3	+24·5	+20·0	+16·9	+13·2	+8·2	+7·1	+2·4	-0·1	-2·6	-8·7
June	-7·9	-8·2	-10·2	-10·2	-15·9	-22·6	-28·3	-31·0	-28·5	-20·5	-6·9	+8·2	+24·5	+30·3	+32·2	+29·5	+24·2	+19·6	+12·2	+8·5	+3·3	+1·0	-1·1	-2·2
July	-5·5	-6·1	-7·8	-10·7	-13·8	-18·2	-22·7	-25·0	-23·7	-18·0	-7·2	+7·9	+22·7	+29·4	+30·0	+25·0	+18·1	+11·2	+7·4	+5·1	+4·1	+2·5	-0·9	-3·9
August	-3·3	-5·3	-8·7	-9·2	-13·6	-18·1	-22·1	-23·2	-20·4	-12·7	-0·4	+13·5	+26·2	+29·3	+24·8	+16·8	+8·9	+5·4	+4·6	+5·5	+2·8	+1·7	-1·0	-1·5
September	-6·7	-11·4	-15·8	-7·3	-8·3	-8·3	-12·1	-13·8	-13·6	-6·2	+4·1	+17·8	+28·8	+31·7	+26·8	+19·8	+9·9	+8·4	+2·1	-2·5	-4·1	-9·5	-15·9	-13·8
October	-7·0	-5·2	-5·2	-4·6	-4·4	-2·0	-2·2	-5·3	-11·8	-14·0	-4·5	+8·5	+19·9	+26·0	+27·6	+18·5	+11·1	+1·8	-1·8	-3·3	-8·6	-12·1	-11·2	-10·5
November	-8·2	-3·0	-1·6	+0·1	+0·1	-1·5	-1·4	-2·1	-4·6	-5·3	-1·3	+7·2	+13·8	+16·5	+15·1	+10·9	+4·5	+2·8	+1·6	-2·4	-5·6	-11·3	-11·4	-12·9
December	-11·1	-7·5	-5·5	-6·2	-4·9	-1·9	+1·7	+1·7	-0·1	+0·7	+2·9	+9·3	+13·5	+15·3	+11·7	+9·2	+8·3	+5·2	+1·1	+0·3	-4·2	-9·8	-15·3	-14·6
Year	-8·2	-6·9	-7·4	-6·6	-8·0	-9·1	-10·4	-12·1	-13·1	-10·1	-1·7	+9·4	+20·1	+24·8	+23·5	+18·2	+12·1	+7·6	+3·5	+1·1	-2·7	-6·1	-8·5	-9·1
Winter	-10·9	-6·2	-5·2	-4·4	-2·9	-1·9	-0·2	-0·4	-1·2	-0·7	+2·7	+8·6	+13·7	+16·6	+14·8	+11·5	+6·8	+4·7	+1·5	-2·1	-6·6	-11·2	-14·0	-13·2
Equinox	-7·6	-7·9	-8·1	-6·6	-7·8	-6·9	-8·5	-11·3	-14·8	-12·5	-2·8	+10·4	+23·2	+28·8	+27·8	+20·3	+12·3	+5·9	+0·8	-1·1	-4·8	-8·5	-10·5	-10·0
Summer	-6·1	-6·7	-8·8	-8·8	-13·4	-18·6	-22·6	-24·7	-23·5	-17·2	-4·9	+9·3	+23·4	+28·8	+27·9	+22·9	+17·0	+12·3	+8·1	+6·6	+3·2	+1·3	-1·4	-4·1

VERTICAL COMPONENT (ALL DAYS)

319 ESKDALEMUIR 1935

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
	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	-2·0	-3·7	-7·1	-4·9	-4·3	-4·8	-4·2	-4·3	-3·1	-2·8	-1·5	-1·1	-0·3	+1·4	+4·6	+5·3	+5·4	+4·6	+4·5	+5·7	+5·9	+3·7	+2·8	+0·2
February	-4·4	-7·6	-9·4	-8·3	-9·0	-7·9	-6·9	-5·6	-4·3	-3·9	-4·4	-3·9	-2·4	0·0	+2·8	+7·6	+10·8	+12·5	+13·4	+13·0	+9·1	+6·9	+3·2	-1·3
March	-4·9	-7·1	-7·0	-7·1	-5·6	-5·4	-4·5	-4·1	-4·3	-4·6	-7·3	-8·7	-7·9	-4·0	+3·8	+10·6	+15·8	+16·6	+14·4	+10·0	+7·0	+4·1	+1·2	-1·0
April	-3·0	-5·2	-5·0	-5·3	-4·9	-4·0	-2·1	-0·5	-1·2	-2·6	-4·7	-7·7	-9·2	-6·1	+0·4	+6·2	+9·2	+12·3	+12·9	+10·9	+9·0	+4·3	-0·4	-3·3
May	-2·2	-3·4	-3·0	-2·3	-1·0	+1·3	+0·9	-0·4	-3·1	-6·6	-10·0	-12·5	-11·3	-7·4	-1·1	+3·7	+6·9	+9·7	+10·8	+9·9	+9·2	+7·0	+4·3	+0·6
June	-6·3	-6·5	-6·6	-4·9	-1·1	+0·4	+1·3	+0·5	-1·9	-5·0	-9·1	-12·9	-13·7	-9·4	-3·2	+5·4	+12·4	+14·9	+16·8	+14·5	+10·1	+6·2	+0·5	-2·4
July	-1·9	-3·6	-1·9	-0·9	-0·7	-0·9	-0·4	-0·3	-3·3	-5·5	-9·0	-11·5	-10·9	-6·3	-1·2	+4·7	+9·9	+11·0	+10·8	+8·9	+6·7	+4·9	+1·8	-0·4
August	-3·2	-3·2	-2·5	-1·5	+0·1	+1·2	+1·1	+0·7	-2·9	-5·9	-9·2	-12·1	-10·2	-5·5	+1·1	+5·5	+8·9	+9·4	+8·1	+6·8	+5·6	+4·1	+3·0	+0·6
September	-10·3	-12·4	-9·0	-11·8	-13·3	-9·2	-5·3	-2·9	-3·7	-4·6	-5·0	-7·7	-7·4	-1·7	+6·6	+14·6	+18·5	+17·4	+17·0	+16·5	+12·4	+6·0	-0·3	-4·4
October	-5·0	-6·1	-7·6	-7·9	-7·0	-7·2	-6·5	-4·6	-3·4	-3·9	-5·7	-6·4	-3·3	-0·4	+6·2	+14·8	+15·4	+14·0	+11·6	+10·3	+6·9	+3·5	-2·5	-5·2
November	-3·9	-4·4	-4·2	-4·6	-4·7	-4·7	-5·2	-4·8	-4·0	-3·2	-3·4	-2·8	-1·8	-0·3	+3·3	+6·3	+9·3	+9·5	+7·3	+7·6	+6·1	+4·0	+0·6	-2·0
December	-1·8	-3·3	-4·1	-5·1	-5·3	-5·0	-5·6	-6·0	-5·3	-4·4	-2·9	-1·8	-1·1	+0·6	+2·8	+4·6	+5·4	+6·4	+7·7	+7·3	+6·7	+5·9	+3·6	+0·7
Year	-4·1	-5·5	-5·6	-5·4	-4·7	-3·9	-3·1	-2·7	-3·4	-4·4	-6·0	-7·4	-6·6	-3·3	+2·2	+7·4	+10·7	+11·5	+11·3	+10·1	+7·9	+5·1	+1·5	-1·5
Winter	-3·0	-4·7	-6·2	-5·7	-5·8	-5·6	-5·5	-5·2	-4·2	-3·6	-3·1	-2·4	-1·4	+0·4	+3·4	+5·9	+7·7	+8·3	+8·2	+8·4	+6·9	+5·1	+2·5	-0·6
Equinox	-5·8	-7·7	-7·1	-8·0	-7·7	-6·5	-4·6	-3·0	-3·1	-3·9	-5·7	-7·6	-6·9	-3·1	+4·3	+11·5	+14·7	+15·1	+14·0	+11·9	+3·8	+4·5	-0·5	-3·5
Summer	-3·4	-4·2	-3·5	-2·4	-0·7	+0·5	+0·7	+0·1	-2·8	-5·7	-9·3	-12·3	-11·5	-7·1	-1·1	+4·8	+9·5	+11·3	+11·6	+10·0	+7·9	+5·5	+2·4	-0·4

† See page 23

Departures from mean of the day adjusted for non-cyclic change†

DECLINATION (measured positive towards the West) (ALL DAYS)

320 ESKDALEMUIR 1935

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	-2·43	-1·29	-1·05	-0·96	-0·92	-0·62	-0·22	-0·06	+0·41	+0·99	+1·46	+2·11	+2·71	+3·23	+2·32	+1·92	+1·02	+0·67	+0·51	-0·60	-1·87	-2·08	-2·97	-2·28
February	-2·55	-1·65	-1·86	-1·53	-0·95	-0·84	-0·75	-0·89	-0·64	-0·36	+1·12	+2·65	+3·96	+4·42	+4·52	+3·50	+2·09	+1·37	+0·06	-0·85	-1·81	-2·78	-3·08	-3·15
March	-2·56	-2·40	-1·78	-1·94	-1·77	-1·85	-1·91	-1·85	-2·32	-1·63	+0·65	+3·15	+5·73	+6·60	+5·83	+4·38	+2·42	+0·38	-0·63	-0·45	-1·13	-1·99	-2·44	-2·49
April	-1·44	-1·07	-0·82	-1·60	-2·51	-2·36	-2·66	-3·78	-4·08	-2·91	-0·54	+2·50	+5·42	+6·56	+6·18	+4·46	+2·78	+1·51	+0·25	-0·29	-1·12	-1·39	-1·49	-1·60
May	-1·86	-1·73	-1·86	-1·22	-2·36	-3·35	-3·57	-3·84	-3·86	-2·71	+0·09	+2·84	+5·23	+5·99	+5·35	+4·11	+3·00	+1·99	+0·89	+0·61	-0·18	-0·57	-0·93	-2·06
June	-1·90	-1·95	-2·26	-2·29	-3·47	-4·81	-5·79	-5·99	-4·97	-2·92	+0·07	+3·12	+6·03	+6·99	+6·73	+5·73	+4·20	+3·05	+1·30	+0·62	-0·11	-0·21	-0·51	-0·66
July	-1·50	-1·58	-1·93	-2·53	-3·09	-3·88	-4·73	-4·80	-4·06	-2·58	-0·09	+3·07	+5·79	+6·79	+6·29	+4·89	+3·38	+1·73	+0·82	+0·22	+0·02	-0·16	-0·80	-1·27
August	-1·09	-1·44	-2·06	-2·14	-3·08	-3·96	-4·60	-4·45	-3·30	-1·38	+1·22	+3·96	+6·27	+6·61	+5·32	+3·37	+1·56	+0·53	+0·23	+0·38	-0·19	-0·20	-0·72	-0·84
September	-1·68	-2·69	-3·59	-1·88	-2·27	-2·09	-2·78	-2·61	-2·01	-0·10	+2·27	+4·95	+6·84	+7·04	+5·67	+3·91	+1·62	+1·20	-0·17	-0·98	-1·39	-2·55	-3·69	-3·02
October	-1·90	-1·50	-1·45	-1·35	-1·39	-0·94	-0·96	-1·26	-2·27	-2·21	+0·23	+3·16	+5·32	+6·13	+6·09	+3·94	+2·26	+0·22	-0·73	-1·00	-2·13	-2·80	-2·86	-2·60
November	-1·82	-0·71	-0·44	-0·07	-0·18	-0·69	-0·71	-0·77	-1·12	-0·82	+0·40	+2·34	+3·63	+3·92	+3·39	+2·47	+0·99	+0·51	+0·09	-0·60	-1·37	-2·68	-2·74	-3·02
December	-2·29	-1·55	-1·14	-1·49	-1·23	-0·77	0·00	+0·13	-0·10	+0·33	+1·09	+2·57	+3·31	+3·46	+2·63	+1·97	+1·78	+0·98	+0·10	-0·09	-1·08	-2·21	-3·31	-3·09
Year	-1·92	-1·63	-1·69	-1·58	-1·93	-2·18	-2·39	-2·51	-2·36	-1·36	+0·66	+3·03	+5·02	+5·65	+5·03	+3·72	+2·26	+1·18	+0·23	-0·25	-1·03	-1·63	-2·13	-2·17
Winter	-2·27	-1·30	-1·12	-1·01	-0·82	-0·73	-0·42	-0·40	-0·36	+0·03	+1·02	+2·42	+3·40	+3·76	+3·21	+2·47	+1·47	+0·88	+0·19	-0·53	-1·53	-2·44	-3·03	-2·89
Equinox	-1·69	-1·91	-1·91	-1·69	-1·99	-1·81	-2·08	-2·37	-2·67	-1·71	+0·65	+3·44	+5·83	+6·58	+5·94	+4·17	+2·27	+0·83	-0·32	-0·68	-1·44	-2·18	-2·62	-2·43
Summer	-1·59	-1·67	-2·03	-2·05	-3·00	-4·00	-4·67	-4·77	-4·05	-2·40	+0·32	+3·25	+5·83	+6·59	+5·92	+4·53	+3·03	+1·83	+0·81	+0·46	-0·11	-0·29	-0·74	-1·21

INCLINATION (ALL DAYS)

321 ESKDALEMUIR 1935

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	+0·20	+0·19	-0·02	-0·11	-0·35	-0·55	-0·47	-0·54	-0·15	-0·04	+0·17	+0·40	+0·40	+0·14	+0·04	+0·04	+0·04	-0·13	-0·03	+0·09	+0·16	+0·18	+0·25	+0·09
February	-0·05	-0·30	-0·33	-0·23	-0·54	-0·55	-0·77	-0·65	-0·32	+0·14	+0·49	+0·74	+0·55	+0·23	-0·02	+0·16	+0·40	+0·21	+0·26	+0·27	+0·06	+0·34	+0·12	-0·16
March	-0·32	-0·17	-0·17	-0·39	-0·22	-0·52	-0·41	-0·25	+0·09	+0·72	+0·85	+0·90	+0·61	+0·39	-0·10	-0·12	+0·10	+0·20	+0·06	-0·13	-0·20	-0·24	-0·35	-0·33
April	-0·41	-0·45	-0·38	-0·51	-0·47	-0·44	-0·21	+0·09	+0·85	+1·52	+2·01	+1·88	+1·25	+0·62	+0·09	-0·22	-0·60	-0·70	-0·73	-0·73	-0·52	-0·54	-0·63	-0·75
May	-0·32	-0·31	-0·17	-0·22	-0·21	-0·05	+0·23	+0·48	+0·86	+1·20	+1·34	+1·24	+0·91	+0·30	+0·11	-0·13	-0·66	-0·86	-0·86	-0·95	-0·70	-0·55	-0·40	-0·24
June	-0·42	-0·41	-0·26	-0·26	-0·10	+0·04	+0·40	+0·87	+1·26	+1·81	+1·82	+1·48	+0·67	+0·41	-0·28	-0·51	-0·97	-1·13	-1·32	-1·22	-0·82	-0·42	-0·35	-0·29
July	-0·46	-0·44	-0·39	-0·34	-0·19	+0·01	+0·16	+0·73	+1·25	+1·53	+1·68	+1·52	+0·95	+0·50	-0·22	-0·50	-0·40	-0·60	-0·74	-0·92	-0·97	-0·80	-0·75	-0·58
August	-0·59	-0·47	-0·31	-0·26	-0·21	-0·09	+0·19	+0·72	+1·32	+1·63	+1·49	+1·10	+0·59	+0·32	+0·04	-0·18	-0·22	-0·59	-0·78	-0·90	-0·91	-0·64	-0·58	-0·67
September	-0·57	-0·64	-0·48	-0·69	-0·96	-0·63	-0·38	+0·38	+1·09	+1·51	+1·71	+1·29	+0·69	+0·28	+0·06	-0·07	-0·20	-0·35	-0·38	-0·17	-0·36	-0·53	-0·38	-0·21
October	-0·64	-0·65	-0·64	-0·68	-0·75	-0·86	-0·78	-0·28	+0·26	+0·93	+1·43	+1·60	+1·31	+0·73	+0·32	+0·34	+0·23	+0·11	-0·17	-0·14	-0·21	-0·19	-0·67	-0·58
November	-0·18	-0·21	-0·22	-0·22	-0·38	-0·59	-0·65	-0·55	-0·28	+0·33	+0·81	+0·99	+0·83	+0·50	+0·28	+0·33	+0·25	+0·10	-0·14	+0·09	-0·06	-0·25	-0·38	-0·38
December	+0·07	-0·02	-0·05	-0·33	-0·38	-0·60	-0·60	-0·45	-0·23	+0·11	+0·54	+0·71	+0·53	+0·23	+0·22	+0·12	+0·14	-0·01	+0·02	-0·02	-0·08	0·00	+0·03	+0·07
Year	-0·31	-0·32	-0·28	-0·36	-0·40	-0·41	-0·28	+0·04	+0·52	+0·95	+1·19	+1·16	+0·77	+0·38	+0·05	-0·05	-0·15	-0·32	-0·40	-0·40	-0·39	-0·30	-0·35	-0·34
Winter	+0·01	-0·08	-0·16	-0·22	-0·41	-0·57	-0·62	-0·55	-0·24	+0·13	+0·50	+0·71	+0·57	+0·28	+0·13	+0·16	+0·20	+0·05	+0·03	+0·10	+0·02	+0·07	+0·01	-0·09
Equinox	-0·48	-0·48	-0·43	-0·57	-0·60	-0·60	-0·44	-0·01	+0·57	+1·17	+1·50	+1·41	+0·97	+0·46	+0·09	+0·03	-0·11	-0·19	-0·31	-0·29	-0·32	-0·37	-0·51	-0·47
Summer	-0·46	-0·41	-0·29	-0·27	-0·19	-0·02	+0·24	+0·70	+1·21	+1·54	+1·57	+1·33	+0·81	+0·38	-0·08	-0·36	-0·56	-0·79	-0·92	-1·00	-0·85	-0·61	-0·52	-0·45

HORIZONTAL FORCE (ALL DAYS)

322 ESKDALEMUIR 1935

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
	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	-3·7	-4·2	-2·2	-0·4	+3·6	+6·5	+5·5	+6·5	+1·2	-0·4	-3·1	-6·3	-6·0	-1·6	+1·1	+1·4	+1·3	+3·7	+2·2	+0·8	-0·6	-1·4	-2·7	-1·2
February	-0·8	+1·8	+1·5	+0·5	+4·8	+5·4	+9·0	+7·7	+3·2	-3·5	-8·8	-12·4	-9·0	-3·3	+1·3	+0·4	-2·0	+1·3	+0·9	+0·8	+2·5	-2·6	-0·7	+2·0
March	+3·0	0·0	0·0	+3·1	+1·2	+5·8	+4·4	+2·2	-2·9	-12·4	-15·4	-16·6	-12·0	-4·3	+3·0	+2·7	+4·3	+3·1	+4·4	+5·6	+5·5	+5·0	+5·7	+4·6
April	+5·0	+4·8	+3·8	+5·7	+5·3	+5·1	+2·3	-1·6	-13·1	-23·5	-32·0	-30·5	-22·0	-11·5	-1·1	+5·5	+12·3	+15·0	+15·5	+14·9	+11·1	+9·6	+9·4	+10·0
May	+4·0	+3·5	+1·5	+2·5	+2·8	+1·3	-3·0	-7·2	-13·9	-20·3	-23·6	-23·1	-17·7	-7·2	-2·1	+3·4	+12·3	+16·3	+16·8	+17·8	+13·7	+10·8	+7·4	+4·0
June	+4·0	+3·8	+1·5	+2·1	+1·2	-0·5	-5·5	-12·7	-22·1	-28·6	-30·2	-26·8	-15·2	-9·6	+3·1	+11·5	+19·1	+22·3	+25·8	+23·6	+15·8	+8·5	+5·4	+3·5
July	+6·1	+5·2	+5·1	+4·8	+2·6	-0·5	-2·5	-10·9	-19·8	-24·8	-28·2	-26·8	-18·2	-9·6	+2·8	+9·2	+9·6	+12·9	+14·9	+16·9	+16·9	+13·8	+11·9	+8·6
August	+7·7	+5·8	+3·8	+3·4	+3·2	+1·7	-2·4	-10·3	-20·7	-26·4	-25·6	-20·8	-12·7	-6·7	-0·3	+4·4	+6·7	+12·2	+14·6	+15·8	+15·5	+11·1	+9·7	+10·3
September	+4·7	+4·9	+3·9	+6·0	+9·4	+6·0	+3·7	-6·6	-17·5	-24·1	-27·1	-22·1	-13·0	-4·8	+1·5	+6·3	+9·8	+11·6	+11·9	+8·6	+9·8	+10·0	+5·7	+1·4
October	+7·8	+7·4	+6·6	+7·2	+8·7	+10·1	+9·4	+2·5	-5·2	-15·3	-23·4	-26·1	-20·6	-10·9	-2·5	+0·2	+2·2	+3·4	+6·9	+5·9	+5·7	+4·1	+9·1	+6·8
November	+1·2	+1·4	+1·8	+1·7	+4·0	+7·1	+7·9	+6·4	+2·7	-6·0	-13·4	-15·7	-13·0	-7·5	-2·9	-2·6	-0·4	+1·9	+4·8	+1·5	+3·2	+5·1	+5·9	+4·9
December	-1·6	-0·9	-0·8	+3·1	+3·7	+7·2	+7·0	+4·6	+1·4	-3·3	-9·0	-11·1	-8·2	-3·6	-2·2	-0·1	-0·1	+2·5	+2·6	+2·9	+3·7	+2·2	+0·8	-0·8
Year	+3·1	+2·6	+2·2	+3·3	+4·2	+4·6	+3·0	-1·6	-8·9	-15·7	-20·0	-19·9	-13·9	-6·7	+0·1	+3·5	+6·3	+8·9	+10·1	+9·6	+8·6	+6·3	+5·6	+4·5
Winter	-1·2	-0·5	+0·1	+1·2	+4·0	+6·5	+7·3	+6·3	+2·1	-3·3	-8·6	-11·4	-9·1	-4·0	-0·7	-0·2	-0·3	+2·3	+2·6	+1·5	+2·2	+0·8	+0·8	+1·2
Equinox	+5·1	+4·3	+3·6	+5·5	+6·1	+6·7	+4·9	-0·9	-9·7	-18·8	-24·5	-23·8	-16·9	-7·9	+0·2	+3·7	+7·1	+8·3	+9·7	+8·7	+8·0	+7·2	+7·5	+5·7
Summer	+5·5	+4·6	+3·0	+3·2	+2·5	+0·5	-3·3	-10·3	-19·1	-25·0	-26·9	-24·4	-15·9	-8·3	+0·9	+7·1	+11·9	+15·9	+18·0	+18·5	+15·5	+11·1	+8·6	+6·6

† See page 23

Departures from mean of the day adjusted for non-cyclic change†

323 ESKDALEMUIR — NORTH COMPONENT (QUIET DAYS) — 1935

MONTH AND SEASON	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
	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	-2·6	-2·5	-0·5	+2·2	+4·7	+6·7	+7·2	+4·8	+1·9	-2·0	-3·7	-4·7	-3·1	-3·0	-1·8	-0·1	+0·9	+0·2	-0·1	+0·5	-1·0	-3·8	+0·5
February	0·0	+0·9	-0·1	+1·5	+1·7	+2·4	+5·5	+6·6	+4·3	-1·7	-6·9	-12·7	-10·6	-7·9	-5·1	-2·2	-0·5	+1·8	+1·5	+3·9	+5·0	+3·8	+4·5	+4·4
March	+3·7	+3·8	+2·5	+4·4	+4·7	+7·4	+7·8	+6·1	+1·6	-6·6	-16·0	-18·8	-16·5	-10·1	-0·3	+1·0	-0·2	-0·1	+4·1	+2·4	+1·6	+5·9	+6·4	+5·2
April	+7·3	+6·4	+4·9	+6·7	+6·3	+7·7	+7·6	+5·9	-2·4	-13·1	-23·1	-28·4	-26·3	-19·4	-9·5	-1·1	+2·8	+7·7	+10·1	+10·4	+10·9	+9·7	+9·5	+9·5
May	+6·3	+7·2	+5·0	+5·0	+6·5	+6·6	+6·1	+3·2	-3·9	-15·2	-25·0	-28·2	-27·2	-19·5	-8·6	-1·3	+7·5	+14·2	+15·6	+14·3	+10·6	+8·2	+7·7	+4·9
June	+6·0	+4·7	+5·7	+6·5	+7·9	+5·5	+2·5	-2·4	-11·1	-20·0	-26·4	-27·7	-22·3	-16·3	-6·7	-0·2	+7·4	+12·3	+15·5	+18·4	+14·7	+12·1	+8·1	+5·7
July	+7·4	+5·7	+6·1	+6·3	+7·2	+5·9	+5·8	+1·3	-8·7	-19·3	-25·3	-27·8	-27·0	-15·8	-0·6	+3·0	+3·6	+7·7	+11·5	+10·8	+13·9	+11·2	+9·1	+8·0
August	+6·3	+6·5	+5·8	+7·0	+6·2	+4·3	+2·2	-3·9	-9·5	-18·9	-23·0	-23·8	-20·3	-14·3	-6·2	+2·3	+5·3	+8·5	+10·0	+12·6	+13·0	+10·9	+10·5	+8·8
September	+10·3	+5·1	+4·8	+5·2	+5·9	+4·5	+3·4	-1·5	-11·6	-20·0	-26·7	-24·2	-15·3	-9·8	-4·3	+0·2	+3·4	+8·1	+9·4	+11·7	+12·2	+11·2	+9·5	+10·4
October	+6·8	+8·0	+8·3	+7·0	+5·7	+6·9	+7·2	+5·5	-2·5	-12·1	-23·1	-29·7	-24·3	-17·4	-6·7	-2·2	+3·7	+5·9	+9·4	+10·3	+8·5	+8·2	+8·0	+8·5
November	+1·1	-1·3	+0·9	+0·9	+2·2	+4·0	+5·9	+4·2	+3·9	-4·7	-11·9	-14·7	-13·3	-10·0	-5·2	-1·4	+2·5	+6·0	+4·6	+5·3	+6·3	+5·8	+4·8	+4·2
December	+1·3	-0·3	+1·4	+1·7	+1·7	+2·5	+2·3	+1·7	-1·9	-5·1	-6·9	-9·5	-8·1	-4·3	-3·2	-1·4	+1·7	+3·7	+4·8	+6·3	+4·7	+2·3	+2·4	+2·2
Year	+4·6	+3·7	+3·6	+4·3	+4·9	+5·2	+5·3	+2·8	-3·0	-11·2	-18·1	-20·8	-18·1	-12·3	-4·9	-0·5	+3·1	+6·2	+8·0	+8·8	+8·4	+7·3	+6·3	+6·0
Winter	+0·4	-0·8	0·0	+0·9	+2·0	+3·4	+5·1	+5·0	+2·8	-2·4	-6·9	-10·2	-9·2	-6·4	-4·1	-1·7	+0·8	+3·1	+2·7	+3·9	+4·1	+2·7	+1·9	+2·9
Equinox	+7·0	+5·8	+5·2	+5·9	+5·7	+6·6	+6·5	+4·0	-3·7	-12·9	-22·3	-25·3	-20·6	-14·1	-5·2	-0·6	+2·5	+4·9	+8·2	+8·7	+8·3	+8·8	+8·3	+8·4
Summer	+6·5	+6·0	+5·7	+6·2	+7·0	+5·5	+4·1	-0·4	-8·3	-18·3	-24·9	-26·9	-24·3	-16·5	-5·5	+0·9	+5·9	+10·7	+13·1	+14·0	+13·0	+10·6	+8·9	+8·9

324 ESKDALEMUIR — WEST COMPONENT (QUIET DAYS) — 1935

MONTH AND SEASON	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
	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	-5·0	-3·7	-0·4	+1·7	+2·3	+2·7	+2·0	+0·8	-2·7	-3·0	-1·0	+0·8	+4·9	+7·0	+6·2	+6·5	+3·7	+4·1	+3·0	-0·7	-2·3	-5·9	-12·5	-8·4
February	-4·6	-3·5	+0·7	-1·0	-1·4	-2·2	-2·0	-3·5	-7·0	-8·1	-2·5	+2·1	+9·7	+13·3	+11·4	+7·7	+3·8	+2·3	-0·9	+0·4	-0·9	-3·4	-4·8	-5·6
March	-7·7	-3·2	-4·1	-5·0	-4·2	-4·1	-7·0	-11·7	-15·6	-13·3	-6·0	+8·9	+19·8	+22·4	+20·7	+14·4	+7·1	+2·6	+1·0	+1·2	-2·8	-2·8	-4·5	-6·2
April	-1·8	-2·6	-2·7	-3·7	-4·7	-7·0	-11·6	-18·6	-22·7	-22·4	-15·7	-3·2	+12·7	+22·9	+22·9	+18·8	+14·2	+10·3	+7·1	+4·7	+2·5	+1·8	0·0	-1·2
May	+0·5	-1·8	-5·1	-6·2	-10·6	-14·1	-15·8	-20·3	-23·1	-19·8	-10·6	+1·6	+15·0	+21·6	+22·0	+16·8	+12·5	+10·8	+8·1	+5·6	+4·5	+4·4	+3·2	+0·9
June	-0·5	-0·7	-1·7	-2·3	-10·7	-19·3	-25·6	-30·5	-30·8	-24·3	-8·8	+7·5	+22·5	+26·5	+26·6	+20·9	+15·1	+10·5	+7·9	+6·8	+4·3	+2·9	+1·3	+2·5
July	-1·5	-3·2	-7·7	-10·2	-13·4	-18·3	-21·3	-24·7	-27·3	-24·1	-13·7	+1·8	+19·3	+32·0	+35·7	+29·5	+20·4	+10·4	+5·9	+3·7	+4·2	+0·2	+0·7	+1·7
August	-1·8	-1·8	-5·5	-8·7	-13·3	-15·8	-19·4	-21·8	-20·2	-15·3	-2·6	+11·0	+24·4	+31·1	+26·3	+16·8	+7·9	+2·3	+0·9	+4·1	+2·9	+1·1	-0·7	-1·7
September	-2·5	-5·5	-6·4	-9·1	-11·0	-10·6	-12·9	-15·8	-16·5	-13·8	-4·7	+7·7	+20·1	+22·7	+20·7	+15·0	+6·2	+4·0	+5·0	+4·9	+2·6	+0·1	+0·1	-0·3
October	-3·3	-1·2	-5·3	-7·0	-6·5	-5·7	-7·5	-12·4	-18·8	-19·4	-9·9	+0·6	+13·4	+19·3	+19·9	+13·0	+7·4	+6·5	+6·9	+5·9	+4·1	+0·7	-0·1	-0·5
November	-5·5	-2·5	-2·5	-2·1	-3·1	-2·7	-4·3	-4·0	-5·0	-5·7	-2·9	+4·3	+10·7	+12·2	+11·1	+7·9	+5·5	+4·6	+1·3	+1·9	-0·9	-4·4	-6·6	-7·4
December	-5·6	-3·5	-2·9	-5·3	-5·3	-4·9	-5·1	-5·5	-5·7	-3·3	+1·2	+7·4	+9·5	+9·0	+7·1	+5·2	+5·2	+6·5	+4·4	+3·8	+2·2	-5·4	-4·3	-4·9
Year	-3·3	-2·8	-3·6	-4·9	-6·8	-8·5	-10·8	-14·0	-16·3	-14·4	-6·4	+4·2	+15·2	+20·0	+19·2	+14·4	+9·1	+6·2	+4·4	+3·5	+1·7	-0·9	-2·3	-2·6
Winter	-5·2	-3·3	-1·2	-1·7	-1·8	-1·8	-2·3	-3·0	-5·1	-5·0	-1·3	+3·6	+8·7	+10·4	+8·9	+6·9	+4·6	+4·4	+1·9	+1·3	-0·5	-4·7	-7·1	-6·6
Equinox	-3·8	-3·1	-4·6	-6·2	-6·6	-6·8	-9·7	-14·6	-18·4	-17·2	-9·1	+3·5	+16·5	+21·9	+21·1	+15·3	+8·7	+5·8	+5·0	+4·2	+1·6	-0·1	-1·1	-2·0
Summer	-0·8	-1·9	-5·0	-6·8	-12·0	-16·9	-20·5	-24·3	-25·4	-20·9	-8·9	+5·4	+20·3	+27·8	+27·6	+21·0	+13·5	+8·5	+5·7	+5·0	+3·9	+2·2	+1·1	+0·9

325 ESKDALEMUIR — VERTICAL COMPONENT (QUIET DAYS) — 1935

MONTH AND SEASON	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
	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	-0·4	-0·2	-0·5	-1·0	-1·4	-1·5	-2·2	-2·2	-3·7	-3·2	-3·2	-2·3	+0·2	+2·4	+2·7	+2·4	+2·0	+2·1	+2·6	+1·6	+1·7	+3·0	+1·6
February	-0·4	-0·5	-1·1	-1·1	-1·0	-0·8	-1·1	-1·1	+0·3	-0·6	-2·6	-3·4	-2·9	-1·8	-0·1	+2·0	+2·5	+3·0	+3·1	+2·4	+1·4	+1·6	+1·9	+0·3
March	+0·5	-1·7	-1·3	-1·4	-1·3	-1·3	-0·6	+0·7	+0·2	-1·2	-5·4	-9·7	-9·5	-6·2	-2·7	+2·9	+6·3	+6·6	+5·9	+5·3	+5·5	+4·2	+2·9	+1·3
April	+1·5	+1·0	+1·6	+1·8	+2·1	+2·1	+3·0	+2·9	+1·3	+0·1	-3·4	-6·4	-9·7	-8·6	-3·8	-1·2	+0·5	+2·1	+2·8	+2·7	+2·7	+2·1	+1·6	+1·2
May	+2·0	+1·2	+2·1	+2·9	+4·7	+4·0	+2·0	+0·4	-2·2	-4·1	-7·1	-12·0	-13·6	-10·5	-5·6	-0·5	+4·0	+6·0	+6·4	+6·1	+4·4	+3·6	+2·8	+3·0
June	+2·3	+2·4	+2·1	+2·4	+3·3	+4·1	+3·2	+2·5	0·0	-3·1	-8·2	-15·1	-15·3	-10·4	-6·5	-1·0	+4·9	+5·3	+5·8	+5·5	+4·8	+4·3	+3·6	+3·1
July	+0·4	-0·5	-0·2	+1·5	+2·5	+2·9	+1·4	+1·0	-1·9	-5·0	-8·4	-10·5	-10·8	-7·9	-3·1	+1·8	+6·6	+7·5	+7·8	+6·1	+3·2	+2·7	+1·6	+1·3
August	+1·2	+1·4	+1·5	+2·1	+2·9	+3·1	+2·4	+1·6	-1·4	-2·6	-5·5	-9·9	-10·5	-7·9	-1·2	+2·8	+5·0	+5·4	+3·5	+2·1	+1·9	+0·9	+0·6	+0·6
September	-0·2	-0·2	+1·4	+1·6	+2·1	+3·7	+4·1	+3·8	+2·0	-2·0	-5·2	-9·6	-11·9	-9·3	-3·7	+0·1	+3·6	+4·6	+3·0	+3·1	+3·1	+2·7	+2·1	+1·1
October	+1·5	+1·6	+0·1	+0·3	+1·4	+2·0	+2·1	+3·6	+3·5	+2·5	-3·3	-7·4	-7·4	-6·5	-4·2	+0·6	+2·2	+1·3	+0·4	+0·4	+0·8	+1·6	+1·6	+1·3
November	+1·0	+1·0	+1·4	+0·3	+0·2	-0·4	-1·5	-2·0	-2·9	-2·7	-3·5	-2·4	-1·6	-1·3	+0·6	+1·6	+1·4	+1·1	+0·8	+1·0	+1·6	+1·9	+2·2	+2·2
December	+1·0	0·0	-1·2	-1·6	-1·2	-0·9	-1·0	-0·4	-1·0	-1·2	-0·6	-0·4	-0·4	0·0	+0·2	-0·4	+0·2	+0·1	+0·2	+0·6	+1·6	+2·6	+2·0	+1·8
Year	+0·9	+0·4	+0·5	+0·7	+1·2	+1·4	+1·0	+0·9	-0·4	-2·0	-4·7	-7·5	-8·0	-5·9	-2·3	+0·9	+3·3	+3·7	+3·5	+3·2	+2·7	+2·5	+2·2	+1·6
Winter	+0·3	0·0	-0·3	-0·7	-0·7	-0·9	-1·3	-1·4	-1·5	-2·1	-2·5	-2·3	-1·8	-0·7	+0·8	+1·5	+1·6	+1·5	+1·5	+1·7	+1·5	+1·9	+2·3	+1·5
Equinox	+0·8	+0·2	+0·5	+0·6	+1·3	+1·6	+2·1	+2·7	+1·7	-0·1	-4·3	-8·3	-9·6	-7·7	-3·6	+0·6	+3·1	+3·7	+3·0	+2·9	+3·0	+2·7	+2·1	+1·2
Summer	+1·5	+1·1	+1·4	+2·2	+3·3	+3·5	+2·3	+1·4	-1·4	-3·7	-7·3	-11·9	-12·5	-9·2	-4·1	+0·8	+5·1	+6·1	+5·9	+4·9	+3·6	+2·9	+2·1	+2·0

† See page 23

DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE - (INTERNATIONAL QUIET DAYS)

Departures from mean of the day adjusted for non-cyclic change †

DECLINATION (measured positive towards the West) (QUIET DAYS)

326 ESKDALEMUIR 1935

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

INCLINATION (QUIET DAYS)

327 ESKDALEMUIR 1935

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	+0·11	+0·22	+0·16	0·00	-0·21	-0·38	-0·50	-0·54	-0·32	-0·16	+0·07	+0·15	+0·17	+0·09	+0·15	+0·08	+0·01	-0·07	0·00	+0·08	+0·05	+0·20	+0·52	+0·14
February	+0·06	-0·01	-0·03	-0·10	-0·11	-0·14	-0·35	-0·41	-0·16	+0·22	+0·43	+0·72	+0·47	+0·25	+0·15	+0·06	+0·03	-0·07	-0·01	-0·20	-0·27	-0·15	-0·17	-0·18
March	-0·10	-0·24	-0·13	-0·24	-0·27	-0·45	-0·41	-0·19	+0·15	+0·62	+1·01	+0·84	+0·53	+0·14	-0·38	-0·22	+0·06	+0·13	-0·14	-0·04	+0·07	-0·24	-0·27	-0·21
April	-0·41	-0·35	-0·23	-0·33	-0·28	-0·34	-0·23	-0·02	+0·56	+1·22	+1·68	+1·75	+1·27	+0·68	+0·15	-0·26	-0·40	-0·61	-0·70	-0·69	-0·69	-0·62	-0·58	-0·57
May	-0·37	-0·41	-0·19	-0·15	-0·14	-0·10	-0·09	+0·06	+0·59	+1·21	+1·63	+1·52	+1·20	+0·67	+0·08	-0·20	-0·59	-0·96	-0·99	-0·87	-0·66	-0·51	-0·48	-0·26
June	-0·33	-0·23	-0·29	-0·33	-0·26	+0·05	+0·33	+0·71	+1·22	+1·63	+1·66	+1·31	+0·72	+0·38	-0·16	-0·35	-0·60	-0·84	-0·99	-1·17	-0·91	-0·73	-0·47	-0·34
July	-0·45	-0·33	-0·28	-0·21	-0·19	-0·01	0·00	+0·33	+0·96	+1·52	+1·67	+1·53	+1·18	+0·33	-0·60	-0·63	-0·43	-0·49	-0·65	-0·62	-0·90	-0·67	-0·56	-0·52
August	-0·35	-0·36	-0·25	-0·26	-0·12	+0·05	+0·23	+0·65	+0·92	+1·41	+1·41	+1·13	+0·67	+0·25	-0·05	-0·36	-0·35	-0·46	-0·58	-0·83	-0·85	-0·70	-0·66	-0·53
September	-0·63	-0·25	-0·17	-0·15	-0·15	-0·03	+0·09	+0·44	+1·07	+1·45	+1·70	+1·22	+0·39	+0·05	-0·14	-0·25	-0·23	-0·36	-0·63	-0·76	-0·76	-0·66	-0·57	-0·65
October	-0·36	-0·45	-0·45	-0·33	-0·23	-0·31	-0·30	-0·07	+0·55	+1·17	+1·59	+1·75	+1·12	+0·66	+0·01	-0·05	-0·31	-0·46	-0·71	-0·76	-0·60	-0·51	-0·47	-0·51
November	+0·05	+0·15	+0·02	-0·03	-0·08	-0·23	-0·35	-0·26	-0·25	+0·33	+0·74	+0·84	+0·66	+0·43	+0·18	+0·01	-0·21	-0·44	-0·30	-0·36	-0·36	-0·26	-0·15	-0·10
December	+0·03	+0·08	-0·07	-0·07	-0·06	-0·10	-0·09	-0·03	+0·19	+0·36	+0·42	+0·50	+0·37	+0·13	+0·10	0·00	-0·19	-0·34	-0·38	-0·46	-0·31	0·00	-0·04	-0·02
Year	-0·23	-0·18	-0·16	-0·18	-0·18	-0·16	-0·14	+0·07	+0·45	+0·92	+1·17	+1·10	+0·73	+0·34	-0·04	-0·18	-0·27	-0·42	-0·51	-0·56	-0·51	-0·41	-0·32	-0·31
Winter	+0·07	+0·11	+0·01	-0·05	-0·12	-0·22	-0·33	-0·31	-0·14	+0·19	+0·41	+0·55	+0·42	+0·23	+0·14	+0·04	-0·09	-0·24	-0·17	-0·23	-0·22	-0·05	+0·04	-0·04
Equinox	-0·37	-0·32	-0·25	-0·26	-0·23	-0·28	-0·21	+0·04	+0·57	+1·12	+1·50	+1·39	+0·85	+0·33	-0·09	-0·18	-0·23	-0·32	-0·54	-0·56	-0·50	-0·51	-0·47	-0·48
Summer	-0·38	-0·34	-0·26	-0·24	-0·18	0·00	+0·12	+0·45	+0·92	+1·44	+1·59	+1·37	+0·95	+0·43	-0·19	-0·38	-0·49	-0·65	-0·80	-0·87	-0·82	-0·66	-0·55	-0·42

HORIZONTAL FORCE (QUIET DAYS)

328 ESKDALEMUIR 1935

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
	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	-1·9	-3·4	-2·5	-0·1	+2·7	+5·2	+7·0	+7·2	+4·0	+1·1	-2·2	-3·4	-3·4	-1·3	-1·4	-0·2	+0·8	+1·9	+0·9	-0·3	-0·1	-2·4	-6·7	-1·5
February	-1·1	0·0	+0·1	+1·2	+1·3	+1·8	+4·9	+5·6	+2·5	-3·6	-7·3	-11·8	-8·0	-4·5	-2·2	-0·3	+0·4	+2·3	+1·2	+3·9	+4·6	+2·9	+3·2	+2·9
March	+1·8	+2·9	+1·5	+3·1	+3·6	+6·2	+5·9	+3·1	-2·2	-9·6	-17·0	-16·1	-11·3	-4·4	+4·6	+4·4	+1·5	+0·5	+4·2	+2·6	+0·9	+5·1	+5·1	+3·6
April	+6·7	+5·6	+4·1	+5·6	+5·0	+5·8	+4·6	+1·3	-7·8	-18·1	-26·2	-28·3	-22·5	-13·4	-3·7	+3·4	+6·1	+9·9	+11·5	+11·2	+11·2	+9·9	+9·2	+6·9
May	+6·2	+6·6	+3·6	+3·4	+3·8	+3·0	+2·1	-1·7	-9·3	-19·5	-26·8	-27·0	-22·8	-13·8	-3·1	+2·7	+10·3	+16·4	+17·1	+15·2	+11·4	+9·0	+8·2	+5·0
June	+5·7	+4·4	+5·1	+5·8	+5·1	+0·7	-3·7	-9·6	-18·1	-25·2	-27·7	-25·1	-16·3	-9·5	-0·1	+4·8	+10·8	+14·5	+16·9	+19·5	+15·3	+12·4	+8·2	+6·1
July	+6·8	+4·8	+4·1	+3·7	+3·8	+1·3	+0·5	-4·6	-15·0	-24·5	-27·9	-26·6	-21·6	-7·7	+7·9	+10·0	+8·4	+10·0	+12·6	+11·4	+14·5	+10·9	+9·0	+8·2
August	+5·7	+5·9	+4·3	+4·7	+2·8	+0·4	-2·5	-9·0	-14·1	-22·0	-23·0	-20·5	-13·9	-6·5	+0·3	+6·3	+7·0	+8·8	+9·9	+13·2	+13·3	+10·8	+10·0	+8·1
September	+9·4	+3·6	+3·1	+2·9	+3·1	+1·8	+0·2	-5·2	-15·2	-22·4	-27·1	-21·7	-10·1	-4·1	+0·8	+3·8	+4·8	+6·9	+10·3	+12·5	+12·5	+10·9	+9·2	+10·0
October	+5·8	+7·5	+6·8	+5·1	+4·0	+5·3	+5·2	+2·4	-6·9	-16·4	-24·8	-28·7	-20·4	-12·3	-1·7	+1·0	+5·4	+7·3	+10·8	+11·4	+9·2	+8·1	+7·8	+8·1
November	-0·3	-1·9	+0·3	+0·4	+1·4	+3·2	+4·7	+3·1	+2·6	-5·9	-12·2	-13·2	-10·4	-6·8	-2·4	+0·5	+3·7	+6·9	+4·8	+5·6	+5·9	+4·6	+3·1	+2·3
December	-0·1	-1·1	+0·7	+0·4	+0·4	+1·2	+1·0	+0·3	-3·2	-5·7	-6·4	-7·5	-5·6	-2·0	-1·4	-0·1	+2·9	+5·1	+5·7	+7·0	+5·1	+1·0	+1·3	+1·0
Year	+3·7	+2·9	+2·6	+3·0	+3·1	+3·0	+2·5	-0·6	-6·8	-14·3	-19·1	-19·2	-13·9	-7·2	-0·2	+3·0	+5·2	+7·5	+8·8	+9·4	+8·6	+6·9	+5·6	+5·2
Winter	-0·9	-1·6	-0·3	+0·5	+1·5	+2·9	+4·4	+4·1	+1·5	-3·5	-7·0	-9·0	-6·9	-3·7	-1·9	0·0	+1·9	+4·1	+3·1	+4·1	+3·9	+1·5	+0·2	+1·2
Equinox	+5·9	+4·9	+3·9	+4·2	+3·9	+4·8	+4·0	+0·4	-8·0	-16·6	-23·8	-23·7	-16·1	-8·5	0·0	+3·1	+4·5	+6·1	+9·2	+9·4	+8·5	+8·5	+7·3	+7·7
Summer	+6·1	+5·4	+4·3	+4·4	+3·9	+1·3	-0·9	-6·2	-14·1	-22·8	-26·3	-24·8	-18·7	-9·4	+1·3	+5·9	+9·1	+12·4	+14·1	+14·8	+13·6	+10·8	+8·9	+6·3

† See page 23

Departures from mean of the day adjusted for non-cyclic change †

NORTH COMPONENT (DISTURBED DAYS)

329 ESKDALEMUIR 1935

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	-9·3	-6·2	+0·4	+2·5	+8·7	+10·9	+6·2	+4·8	+1·7	+1·8	-2·6	-13·2	-14·1	-9·8	+2·7	+2·5	+3·1	+5·8	+6·1	+2·5	-1·9	+1·5	+3·9	-8·1
February	+2·8	+6·3	+13·8	+10·8	+16·1	+6·6	+17·4	+10·2	+5·2	-1·9	-9·3	-17·9	-21·7	-10·5	-2·4	-6·6	-5·6	-5·0	-9·3	-10·4	+8·5	-4·1	-5·9	+12·8
March	+12·6	+2·0	-0·8	+5·0	-3·4	+6·1	+0·5	-3·0	-6·8	-19·1	-15·5	-26·9	-21·8	-8·9	+2·7	-3·7	+4·8	+11·1	+3·5	+10·4	+15·1	+17·6	+7·1	+11·4
April	+5·9	+5·6	+4·7	+13·8	+11·7	+7·6	+1·6	-5·2	-23·5	-27·6	-51·6	-46·9	-34·9	-21·6	-9·4	+0·3	+20·2	+27·2	+28·3	+28·2	+16·4	+15·3	+15·8	+18·3
May	+1·3	+9·4	+5·2	+5·1	+6·1	+3·2	-10·1	-16·6	-16·2	-17·9	-23·1	-25·1	-16·7	-5·2	-3·2	-0·7	+14·9	+12·1	+12·9	+20·6	+17·6	+15·5	+5·6	+5·2
June	+7·7	+5·5	-3·7	+3·8	+1·9	+4·0	+0·6	-9·9	-22·7	-31·0	-34·5	-33·0	-16·8	-26·7	+5·5	+14·5	+33·4	+35·1	+44·1	+31·5	+11·9	-8·5	-5·5	-7·2
July	+22·7	+22·8	+22·9	+25·8	+17·1	+6·8	+11·3	-13·1	-24·2	-25·0	-30·5	-42·0	-33·2	-28·2	-8·8	-2·5	-0·5	+7·1	+6·8	+11·9	+17·1	+11·7	+18·9	+5·1
August	+5·7	+6·7	+6·3	+5·3	+7·1	+7·2	+0·6	-6·3	-21·5	-25·6	-29·0	-29·0	-21·9	-15·8	-7·5	+0·7	+5·4	+16·9	+19·8	+14·7	+18·1	+13·8	+13·9	+14·2
September	-2·3	+3·2	+2·9	+13·7	+10·4	+9·5	+9·7	-11·7	-29·8	-35·2	-33·0	-29·8	-20·0	-8·5	-7·5	+10·8	+24·8	+24·5	+14·4	+4·5	+13·5	+22·7	+16·2	-3·1
October	+9·3	+6·1	+6·1	+8·6	+14·2	+17·3	+15·1	+6·8	+0·1	-4·2	-18·1	-23·0	-26·6	-17·1	-8·5	-5·5	-13·7	+3·4	+9·0	-3·3	-0·7	-1·5	+21·4	+4·8
November	+1·3	+2·0	+4·6	+4·1	+4·1	+12·4	+8·5	+8·1	+5·8	-0·2	-11·0	-19·9	-19·9	-12·1	-3·2	-5·6	-8·1	-10·4	-0·5	-7·2	+5·7	+5·4	+20·6	+15·5
December	-6·7	+4·0	+2·9	+4·8	+3·4	+10·3	+8·7	+7·5	+8·3	+5·7	-10·7	-15·8	-3·3	-3·4	-4·4	+3·9	-9·1	+0·8	-3·2	-4·2	-1·6	+2·6	+4·3	-4·6
Year	+4·3	+5·7	+5·4	+8·6	+8·1	+8·5	+5·8	-2·3	-10·3	-15·1	-22·5	-26·9	-20·9	-14·0	-3·7	+0·6	+5·8	+10·7	+11·0	+8·3	+10·0	+7·7	+9·7	+5·3
Winter	-3·0	+1·5	+5·4	+5·6	+8·0	+10·1	+10·2	+7·6	+5·3	+1·4	-9·4	-16·7	-14·8	-8·9	-1·8	-1·5	-4·9	-2·3	-1·8	-4·9	+2·7	+1·3	+5·7	+3·9
Equinox	+6·3	+4·3	+3·2	+10·3	+8·2	+10·1	+6·7	-3·3	-15·0	-21·5	-29·5	-31·7	-25·8	-14·1	-5·7	+0·5	+9·0	+16·6	+13·8	+10·0	+11·0	+13·5	+15·1	+7·8
Summer	+9·3	+11·1	+7·7	+10·1	+8·1	+5·3	+0·7	-11·4	-21·2	-24·9	-29·2	-32·2	-22·1	-19·0	-3·5	+3·0	+13·3	+17·7	+20·9	+19·7	+16·2	+8·1	+8·3	+4·3

WEST COMPONENT (DISTURBED DAYS)

330 ESKDALEMUIR 1935

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	-24·3	-14·7	-23·7	-12·9	-12·7	-0·7	+1·3	+5·5	+12·3	+15·3	+13·4	+14·5	+19·6	+29·2	+21·3	+24·5	+11·8	+15·1	+10·7	-5·9	-15·9	-23·7	-39·7	-20·2
February	-31·4	-18·9	-22·3	-22·4	-2·8	+0·3	+4·3	+3·2	+9·3	+6·5	+12·4	+21·5	+27·3	+29·7	+34·7	+26·6	+16·5	+12·7	+9·5	-7·8	-16·1	-33·7	-29·5	-29·7
March	-4·7	-9·7	-13·1	-8·1	-9·3	-10·9	-8·8	+4·2	-1·2	-0·1	+7·2	+14·5	+30·3	+45·5	+34·0	+25·7	+8·4	-21·0	-23·1	-13·3	-13·3	-15·6	-15·9	-1·6
April	-14·5	-10·7	+0·5	-12·1	-20·6	-7·7	-6·4	-13·5	-17·6	-12·9	-7·8	+9·5	+29·8	+37·4	+43·4	+30·9	+18·1	+14·7	-0·5	-7·5	-16·4	-10·4	-11·0	-14·6
May	-24·7	-25·2	-27·7	-2·9	-12·7	-17·1	-19·6	-14·5	-15·8	-15·1	-1·2	+13·1	+28·7	+36·4	+33·9	+27·4	+29·0	+23·2	+13·1	+13·8	+2·5	-4·5	-9·0	-31·2
June	-34·7	-30·9	-30·7	-20·6	-28·0	-23·6	-33·9	-33·1	-26·5	-19·0	-9·8	+5·6	+31·2	+37·1	+48·6	+49·5	+50·6	+50·1	+34·4	+17·5	+0·5	-6·4	-12·6	-15·0
July	-10·5	-13·3	-16·3	-11·5	-13·9	-9·1	-16·8	-19·3	-14·5	-10·0	-8·2	+4·9	+21·8	+28·0	+25·6	+23·4	+24·4	+17·3	+8·7	+3·8	+5·2	+4·2	-7·7	-16·1
August	-14·8	-14·6	-11·7	-9·5	-14·7	-17·1	-18·9	-21·7	-15·6	-8·3	+4·0	+16·1	+27·1	+29·1	+22·5	+16·0	+11·8	+10·9	+9·7	+6·3	+4·4	+1·6	-6·4	-6·2
September	-8·3	-27·9	-39·9	-26·6	-4·7	-4·2	-15·3	-11·4	-12·2	+0·6	+10·3	+27·8	+38·8	+46·3	+27·8	+27·5	+17·6	+18·6	-3·3	-3·2	-5·8	-7·3	-23·9	-21·7
October	-10·2	-9·4	-11·1	-7·7	-8·3	-7·1	-4·8	+3·0	-7·8	-9·0	-1·6	+12·6	+28·8	+40·3	+52·8	+39·0	+22·5	-8·7	-10·5	-5·6	-26·9	-30·3	-22·9	-17·1
November	-26·2	-2·4	+1·8	+2·1	+8·6	+7·6	+6·0	+5·7	+0·8	-3·1	-1·6	+9·9	+17·3	+21·3	+24·2	+16·9	-0·8	-0·3	-2·3	-16·7	-9·2	-14·8	-17·7	-27·1
December	-23·7	-23·3	-25·4	-22·4	-14·5	-8·3	+5·1	+5·6	+4·1	+5·9	+8·7	+19·6	+21·8	+23·5	+17·5	+22·4	+17·5	+20·9	+9·3	+7·7	-4·4	-16·4	-27·7	-23·5
Year	-19·0	-16·7	-18·3	-12·9	-11·1	-8·2	-9·0	-7·2	-7·1	-4·1	+2·1	+14·1	+26·9	+33·7	+32·2	+27·5	+19·0	+12·8	+4·6	-0·9	-7·9	-13·1	-18·7	-18·7
Winter	-26·4	-14·8	-17·4	-13·9	-5·4	-0·3	+4·1	+5·0	+6·6	+6·1	+8·2	+16·3	+21·5	+25·9	+24·4	+22·6	+11·2	+12·1	+6·8	-5·7	-11·4	-22·2	-28·7	-25·1
Equinox	-9·4	-14·5	-15·9	-13·7	-10·8	-7·5	-8·9	-4·4	-9·7	-5·4	+2·0	+16·1	+31·9	+42·5	+39·5	+30·8	+16·6	+0·9	-9·3	-7·4	-15·6	-15·9	-18·4	-13·8
Summer	-21·2	-21·0	-21·6	-11·1	-17·3	-16·8	-22·3	-22·2	-13·1	-13·1	-3·8	+9·9	+27·2	+32·7	+32·6	+29·1	+29·0	+25·4	+16·5	+10·3	+3·1	-1·3	-8·9	-17·1

VERTICAL COMPONENT (DISTURBED DAYS)

331 ESKDALEMUIR 1935

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	-2·0	-6·0	-21·5	-12·0	-11·1	-14·2	-11·0	-9·4	-8·3	-5·9	-3·8	-1·0	+2·9	+5·3	+8·8	+10·5	+12·8	+10·1	+10·1	+16·7	+17·3	+8·4	+4·5	-0·7
February	-16·0	-19·6	-29·6	-28·3	-33·5	-27·3	-20·2	-14·7	-11·5	-9·5	-6·3	-3·3	+2·0	+8·0	+11·6	+20·6	+25·3	+33·1	+39·6	+43·5	+26·3	+16·7	+4·3	-10·7
March	-13·4	-18·7	-18·8	-19·5	-18·9	-15·5	-12·3	-14·6	-14·3	-10·2	-10·7	-9·4	-5·4	+0·5	+21·8	+30·1	+41·6	+44·2	+34·0	+16·1	+5·7	-4·0	-3·3	-5·0
April	-13·8	-26·1	-29·0	-30·3	-25·3	-23·3	-18·1	-8·7	-4·9	-5·3	-3·2	-2·5	+0·4	+8·0	+19·6	+33·2	+32·9	+37·8	+38·6	+29·7	+24·8	+3·1	-17·1	-20·5
May	-15·0	-15·1	-14·3	-16·9	-18·0	-6·1	-1·0	-1·7	-2·9	-5·3	-9·0	-10·1	-8·7	-3·8	+7·2	+13·0	+15·9	+20·8	+21·9	+18·8	+17·8	+13·4	+ ·1	-7·0
June	-25·0	-23·5	-27·2	-27·5	-12·3	-8·4	-4·9	-4·4	-7·4	-8·9	-10·5	-13·1	-12·9	-4·0	+9·8	+30·2	+41·6	+40·6	+40·9	+31·7	+18·9	+7·3	-14·0	-17·0
July	-8·6	-19·7	-10·1	-8·6	-12·7	-14·2	-11·4	-8·0	-11·7	-10·4	-8·0	-9·3	-5·3	+2·6	+8·6	+14·5	+20·6	+21·1	+25·7	+23·1	+17·4	+11·9	+0·9	-8·4
August	-10·7	-7·7	-7·1	-6·0	-4·2	-2·0	-2·1	-1·5	-2·5	-4·2	-7·4	-9·4	-10·7	-5·3	+2·5	+7·2	+11·4	+13·2	+14·7	+13·7	+9·9	+7·6	+4·0	-3·4
September	-29·2	-37·6	-25·3	-37·4	-39·5	-33·8	-21·2	-10·1	-9·5	-4·9	+2·3	-4·0	-0·6	+10·6	+24·0	+33·5	+40·5	+43·1	+47·3	+37·5	+25·6	+8·0	-7·1	-12·2
October	-17·7	-17·0	-15·4	-14·9	-15·1	-14·6	-16·4	-15·9	-16·1	-17·6	-18·6	-15·3	-0·5	+6·8	+19·2	+44·5	+40·3	+36·2	+29·4	+29·7	+16·3	+3·0	-12·6	-17·7
November	-13·8	-14·3	-13·4	-10·1	-11·1	-13·2	-11·1	-9·9	-8·6	-7·1	-7·0	-6·3	-5·0	-2·1	+5·0	+15·9	+31·5	+31·8	+23·3	+23·3	+10·4	+6·9	-3·6	-11·5
December	+3·8	+1·6	-3·4	-8·7	-12·3	-12·9	-17·0	-20·5	-18·0	-15·3	-11·6	-7·5	-6·4	-1·4	+3·8	+5·7	+10·7	+13·3	+21·4	+21·7	+20·0	+18·7	+11·8	+2·5
Year	-13·5	-17·0	-17·9	-18·4	-17·8	-15·5	-12·2	-9·9	-9·7	-8·7	-7·8	-7·6	-4·2	+2·1	+11·8	+21·6	+27·1	+28·8	+28·9	+25·5	+17·5	+8·4	-2·2	-9·3
Winter	-7·0	-9·6	-17·0	-14·9	-17·0	-16·9	-14·8	-13·6	-11·7	-9·5	-7·2	-4·5	-1·6	+2·5	+7·3	+13·2	+20·1	+22·1	+23·6	+26·3	+18·5	+12·7	+4·3	-5·1
Equinox	-13·5	-24·9	-22·1	-25·5	-24·7	-21·8	-17·0	-12·3	-11·2	-9·5	-7·5	-7·8	-1·5	+6·5	+21·1	+35·3	+38·8	+40·3	+37·3	+28·3	+18·1	+2·5	-10·0	-13·9
Summer	-14·8	-16·5	-14·7	-14·7	-11·8	-7·7	-4·9	-3·9	-6·1	-7·2	-8·7	-10·5	-9·4	-2·6	+7·0	+16·2	+22·4	+23·9	+25·8	+21·8	+16·0	+10·1	-0·7	-8·9

† See page 23

Departures from mean of the day adjusted for non-cyclic change†

DECLINATION (measured positive towards the West) (DISTURBED DAYS)

332 ESKDALEMUIR 1935

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	-4·45	-2·65	-4·81	-2·73	-2·99	-0·69	-0·05	+0·88	+2·39	+2·99	+2·84	+3·59	+4·66	+6·38	+4·16	+4·82	+2·22	+2·76	+1·86	-1·31	-3·12	-4·86	-8·21	-3·68
February	-6·47	-4·12	-5·18	-5·06	-1·37	-0·26	+0·01	+0·14	+1·61	+1·40	+2·97	+5·22	+6·59	+6·51	+7·13	+5·70	+3·60	+2·80	+2·39	-1·05	-3·67	-6·59	-5·66	-6·64
March	-1·58	-2·05	-2·60	-1·88	-1·72	-2·51	-1·81	+0·99	+0·09	+0·94	+2·23	+4·27	+7·19	+9·62	+6·73	+5·37	+1·45	-4·80	-4·84	-3·20	-3·40	-4·03	-3·56	-0·90
April	-3·23	-2·45	-0·14	-3·14	-4·74	-1·93	-1·37	-2·46	-2·38	-1·24	+0·99	+4·25	+7·76	+8·62	+9·23	+6·23	+2·65	+1·62	-1·50	-2·91	-4·13	-2·87	-3·00	-3·86
May	-5·06	-5·56	-5·86	-0·84	-2·87	-3·61	-3·45	-2·11	-2·38	-2·16	+0·90	+3·90	+6·63	+7·61	+7·01	+5·57	+5·12	+4·08	+2·00	+1·76	-0·37	-1·67	-2·09	-6·55
June	-7·40	-6·51	-6·02	-4·35	-5·75	-4·97	-6·88	-6·20	-4·22	-2·30	-0·27	+2·78	+7·13	+8·81	+9·53	+9·27	+8·56	+8·37	+4·76	+1·97	-0·50	-0·87	-2·27	-2·67
July	-3·24	-3·82	-4·43	-3·61	-3·65	-2·18	-3·96	-3·26	-1·72	-0·77	-0·13	+3·07	+6·04	+7·06	+5·60	+4·85	+4·95	+3·15	+1·41	+0·18	+0·20	+0·26	-2·49	-3·51
August	-3·27	-3·29	-2·67	-2·19	-3·33	-3·81	-3·85	-4·06	-2·08	-0·40	+2·24	+4·70	+6·57	+6·67	+4·91	+3·19	+2·12	+1·36	+0·98	+0·53	-0·02	-0·36	-1·98	-1·96
September	-1·56	-5·79	-8·21	-6·05	-1·47	-1·32	-3·58	-1·72	-0·98	+1·87	+3·71	+7·09	+8·83	+9·88	+5·98	+5·02	+2·32	+2·53	-1·39	-0·87	-1·85	-2·60	-5·62	-4·22
October	-2·52	-2·21	-2·54	-1·99	-2·39	-2·29	-1·71	+0·27	-1·57	-1·61	+0·58	+3·69	+7·14	+8·98	+11·08	+8·14	+5·23	-1·92	-2·56	-0·97	-5·40	-6·05	-5·69	-3·69
November	-5·35	-0·59	+0·13	+0·23	+1·53	+0·92	+0·78	+0·76	-0·12	-0·62	+0·22	+2·98	+4·48	+4·90	+5·04	+3·70	+0·24	+0·47	-0·45	-3·01	-2·13	-3·25	-4·61	-6·25
December	-4·44	-4·91	-5·27	-4·76	-3·10	-2·18	+0·59	+0·76	+0·42	+0·91	+2·29	+4·74	+4·56	+4·91	+3·75	+4·34	+3·96	+4·18	+2·05	+1·76	-0·80	-3·45	-5·81	-4·52
Year	-4·05	-3·66	-3·97	-3·03	-2·65	-2·07	-2·11	-1·33	-0·91	-0·08	+1·55	+4·19	+6·47	+7·50	+6·68	+5·52	+3·54	+2·05	+0·39	-0·59	-2·10	-3·03	-4·25	-4·04
Winter	-5·18	-3·07	-3·78	-3·08	-1·48	-0·55	+0·33	+0·63	+1·07	+1·17	+2·08	+4·13	+5·07	+5·67	+5·02	+4·64	+2·51	+2·55	+1·46	-0·90	-2·43	-4·54	-6·07	-5·27
Equinox	-2·22	-3·13	-3·37	-3·27	-2·58	-2·01	-2·12	-0·73	-1·21	-0·01	+1·88	+4·83	+7·73	+9·27	+8·25	+6·19	+2·91	-0·64	-2·57	-1·99	-3·69	-3·89	-4·47	-3·17
Summer	-4·74	-4·79	-4·75	-2·75	-3·90	-3·65	-4·53	-3·91	-2·60	-1·41	+0·69	+3·61	+6·59	+7·54	+6·76	+5·72	+5·19	+4·24	+2·29	+1·11	-0·17	-0·66	-2·21	-3·67

INCLINATION (DISTURBED DAYS)

333 ESKDALEMUIR 1935

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	+0·95	+0·50	-0·18	-0·25	-0·64	-1·05	-0·70	-0·63	-0·53	-0·51	-0·14	+0·60	+0·68	+0·30	-0·30	-0·30	-0·07	-0·37	-0·32	+0·35	+0·81	+0·49	+0·50	+0·84
February	-0·07	-0·59	-1·28	-1·06	-1·84	-1·11	-1·70	-1·08	-0·77	-0·21	+0·26	+0·74	+1·03	+0·40	+0·11	+0·50	+0·73	+0·94	+1·44	+1·89	+0·35	+1·22	+0·97	-0·62
March	-1·07	-0·44	-0·21	-0·68	-0·10	-0·60	-0·20	-0·24	+0·11	+1·00	+0·63	+1·30	+0·80	-0·13	-0·18	+0·58	+0·57	+0·70	+0·99	-0·07	-0·63	-1·00	-0·29	-0·83
April	-0·49	-0·84	-1·04	-1·46	-1·06	-0·94	-0·45	+0·35	+1·70	+1·90	+3·41	+2·85	+1·81	+1·00	+0·40	+0·30	-0·80	-1·07	-0·90	-0·98	-0·19	-0·76	-1·27	-1·47
May	-0·06	-0·58	-0·25	-0·71	-0·64	-0·08	+0·96	+1·28	+1·24	+1·29	+1·31	+1·11	+0·42	-0·34	-0·15	-0·08	-1·04	-0·65	-0·51	-1·10	-0·76	-0·61	-0·07	-0·01
June	-0·56	-0·45	+0·06	-0·60	+0·02	-0·09	+0·38	+1·06	+1·73	+2·09	+2·15	+1·78	+0·28	+1·05	-0·90	-1·00	-1·95	-2·11	-2·42	-1·55	-0·31	+0·85	+0·22	+0·29
July	-1·51	-1·76	-1·48	-1·70	-1·20	-0·65	-0·74	+0·97	+1·52	+1·54	+1·95	+2·44	+1·69	+1·45	+0·37	+0·13	+0·14	-0·22	+0·05	-0·27	-0·78	-0·54	-1·09	-0·28
August	-0·40	-0·39	-0·40	-0·34	-0·32	-0·24	+0·21	+0·73	+1·60	+1·70	+1·65	+1·40	+0·73	+0·44	+0·19	-0·13	-0·26	-0·96	-1·09	-0·73	-1·01	-0·74	-0·71	-0·90
September	-0·44	-0·68	-0·19	-1·39	-1·58	-1·39	-0·91	+0·70	+1·94	+2·19	+2·06	+1·40	+0·66	+0·06	+0·63	-0·32	-0·91	-0·83	+0·29	+0·68	-0·18	-1·17	-0·84	+0·25
October	-0·88	-0·67	-0·60	-0·81	-1·16	-1·37	-1·31	-0·89	-0·28	-0·02	+0·75	+0·93	+1·26	+0·64	+0·17	+0·84	+1·54	+0·82	+0·30	+1·05	+0·89	+0·66	-1·35	-0·48
November	0·00	-0·45	-0·66	-0·56	-0·67	-1·28	-0·92	-0·86	-0·60	-0·12	+0·57	+0·99	+0·90	+0·40	-0·06	+0·48	+1·32	+1·48	+0·63	+1·32	+0·04	+0·05	+1·14	-0·86
December	+0·91	+0·16	+0·14	-0·19	-0·29	-0·85	-1·06	-1·08	-1·05	-0·84	+0·27	+0·53	-0·29	-0·19	+0·10	-0·48	+0·58	-0·06	+0·59	+0·68	+0·67	+0·55	+0·46	+0·74
Year	-0·31	-0·52	-0·50	-0·81	-0·79	-0·81	-0·53	+0·03	+0·55	+0·83	+1·23	+1·34	+0·83	+0·42	+0·02	+0·05	-0·02	-0·19	-0·07	+0·10	-0·09	-0·08	-0·38	-0·28
Winter	+0·45	-0·07	-0·49	-0·51	-0·86	-1·07	-1·09	-0·91	-0·74	-0·42	+0·24	+0·72	+0·57	+0·23	-0·10	+0·06	+0·63	+0·50	+0·57	+1·07	+0·46	+0·58	+0·19	+0·02
Equinox	-0·72	-0·66	-0·50	-1·08	-0·98	-1·07	-0·71	-0·01	+0·86	+1·26	+1·71	+1·62	+1·13	+0·39	+0·25	+0·34	+0·10	-0·10	+0·16	+0·16	-0·03	-0·57	-0·94	-0·63
Summer	-0·63	-0·80	-0·52	-0·84	-0·54	-0·27	+0·20	+1·01	+1·52	+1·67	+1·76	+1·68	+0·77	+0·65	-0·12	-0·27	-0·78	-0·98	-0·98	-0·92	-0·72	-0·26	-0·41	-0·23

HORIZONTAL FORCE (DISTURBED DAYS)

334 ESKDALEMUIR 1935

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	-14·8	-9·5	-5·3	-0·7	+5·4	+10·4	+6·3	+6·0	+4·6	+5·4	+0·7	-9·3	-9·0	-2·5	+7·7	+8·3	+5·8	+9·2	+8·5	+1·0	-5·6	-4·2	-5·7	-12·7
February	-4·8	+1·6	+8·1	+5·1	+15·0	+6·5	+17·9	+10·7	+7·3	-0·3	-6·1	-12·2	-14·5	-3·1	+6·0	0·0	-1·5	-1·8	-6·8	-12·0	+4·4	-12·0	-12·8	+5·3
March	+11·1	-0·4	-3·9	+2·9	-5·5	+3·3	-1·6	-1·9	-6·9	-18·6	-13·3	-22·7	-13·9	+2·2	+10·7	+2·5	+6·7	+5·8	-2·1	+6·9	+11·5	+13·4	+3·1	+10·7
April	+2·2	+2·9	+4·7	+10·5	+6·4	+5·5	0·0	-8·3	-27·0	-29·9	-52·0	-43·3	-26·8	-12·0	+1·2	+7·7	+23·9	+29·9	+27·4	+25·6	+12·0	+12·4	+12·7	+14·3
May	-4·6	+3·1	-1·6	+4·3	+2·9	-1·0	-14·5	-19·6	-19·5	-21·0	-22·7	-21·2	-9·4	+3·7	+5·0	+5·9	+21·4	+17·3	+15·6	+23·3	+17·7	+14·0	+3·3	-2·4
June	-0·8	-2·0	-10·9	-1·2	-4·8	-1·8	-7·5	-17·5	-28·4	-34·7	-35·9	-30·7	-8·9	-17·1	+17·0	+25·9	+44·5	+46·1	+51·0	+34·8	+11·7	-9·8	-8·4	-10·6
July	+19·5	+19·0	+18·3	+22·3	+13·3	+4·4	+6·9	-17·3	-27·0	-26·7	-31·6	-39·6	-27·0	-20·7	-2·4	+3·2	+5·3	+11·0	+8·7	+12·5	+17·9	+12·4	+16·5	+1·1
August	+2·0	+3·0	+3·3	+2·9	+3·4	+2·9	-3·9	-11·3	-24·6	-26·8	-27·2	-24·3	-14·8	-8·4	-1·9	+4·5	+8·1	+19·0	+21·6	+15·8	+18·6	+13·8	+12·0	+12·3
September	-4·2	-3·6	-6·7	+6·9	+9·0	+8·2	+5·8	-14·1	-31·9	-34·0	-29·6	-22·3	-10·1	+3·0	-0·6	+17·1	+28·3	+28·2	+13·2	+3·6	+11·7	+20·3	+10·0	-8·2
October	+6·6	+3·7	+3·3	+6·5	+11·8	+15·1	+13·5	+7·3	-1·8	-6·2	-18·0	-19·3	-18·9	-7·0	+4·4	+4·0	-7·9	+1·2	+6·2	-4·6	-7·1	-8·7	+15·3	+0·6
November	-5·0	+1·4	+4·9	+4·5	+6·0	+13·9	+9·7	+9·2	+5·8	-0·9	-11·1	-17·0	-15·2	-6·7	+2·7	-1·4	-8·0	-10·2	-1·0	-11·0	+3·3	+1·7	+15·8	+8·6
December	-12·2	-1·7	-3·3	-0·7	-0·2	+8·0	+9·7	+8·6	+9·0	+7·0	-8·3	-10·7	+2·0	+2·3	-0·1	+9·1	-4·6	+5·8	-0·9	-2·2	-2·6	-1·4	-2·5	-10·1
Year	-0·4	+1·5	+0·9	+5·3	+5·2	+6·3	+3·5	-4·0	-11·7	-15·6	-21·3	-22·7	-13·9	-5·5	+4·1	+7·2	+10·2	+13·5	+11·8	+7·8	+7·8	+4·3	+4·9	+0·7
Winter	-9·2	-2·1	+1·1	+2·1	+6·5	+9·7	+10·9	+8·6	+6·7	+2·8	-6·2	-12·3	-9·2	-2·5	+4·1	+4·0	-2·1	+0·7	-0·1	-6·1	-0·1	-4·0	-1·3	-2·2
Equinox	+3·9	+0·7	-0·7	+6·7	+5·4	+8·0	+4·4	-4·3	-16·9	-22·2	-28·2	-26·9	-17·4	-3·5	+3·9	+7·8	+12·7	+16·3	+11·2	+7·9	+7·0	+9·3	+10·3	+4·3
Summer	+4·0	+5·8	+2·3	+7·1	+3·7	+1·1	-4·7	-16·4	-24·9	-27·3	-29·3	-28·9	-15·0	-10·6	+4·4	+9·9	+19·8	+23·3	+24·2	+21·6	+16·5	+7·6	+5·9	+0·1

† See page 23

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1935

NOTE.- The ranges are those shown in Tables 317 to 334, in the preparation of which the non-cyclic change has been eliminated †

335. ESKDALEMUIR 1935

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	15·9	29·2	13·0	11·9	19·5	6·7	25·0	68·9	38·8	6·20	0·95	12·8	3·90	1·06	13·9	14·59	2·00	25·2
February	24·7	35·9	22·8	19·3	21·4	6·5	39·1	68·4	77·0	7·67	1·51	21·4	4·71	1·13	17·4	13·77	3·73	32·4
March	26·0	41·3	25·3	26·6	38·0	16·3	44·5	68·6	63·7	9·16	1·42	22·4	8·26	1·46	23·2	14·46	2·37	36·1
April	47·3	50·8	22·1	39·3	45·6	12·7	79·9	64·0	68·9	10·64	2·76	47·5	10·05	2·45	39·8	13·97	4·88	81·9
May	42·3	47·6	23·3	43·8	45·1	20·0	45·7	67·6	39·9	9·85	2·29	41·4	9·81	2·62	44·1	14·16	2·41	46·0
June	53·1	63·2	30·5	46·1	57·4	21·1	78·6	85·3	69·1	12·98	3·14	56·0	12·21	2·83	47·2	16·93	4·57	86·9
July	45·9	55·0	22·5	41·7	63·0	18·6	67·8	47·3	45·4	11·59	2·65	45·1	12·31	2·57	42·4	11·49	4·20	61·9
August	41·6	52·5	21·5	36·8	51·3	15·9	48·8	50·8	25·4	11·21	2·54	42·2	11·19	2·26	36·3	10·73	2·79	48·8
September	41·5	47·6	31·8	38·9	39·2	16·0	60·0	86·8	86·8	10·73	2·67	39·0	8·19	2·46	39·6	18·09	3·77	62·3
October	41·1	41·8	23·3	40·0	39·3	11·0	48·0	83·1	63·1	8·99	2·46	36·2	8·44	2·51	40·1	17·13	2·63	34·6
November	26·8	29·4	14·7	21·0	19·6	5·7	40·5	51·3	46·1	6·94	1·64	23·6	4·66	1·28	20·1	11·29	2·74	32·8
December	21·6	30·6	13·7	15·8	15·2	4·2	26·1	51·2	42·2	6·77	1·31	18·3	3·53	0·96	14·5	10·72	1·99	21·9
Year	32·4	37·9	18·9	29·6	36·3	11·7	37·9	52·7	47·3	8·16	1·60	30·1	7·78	1·73	28·6	11·75	2·15	36·2
Winter	21·5	30·6	14·6	15·3	17·5	4·8	26·9	54·6	43·3	6·79	1·33	18·7	3·93	0·88	13·4	11·74	2·16	23·2
Equinox	37·4	43·6	23·1	34·1	40·3	13·3	48·3	60·9	65·8	9·25	2·10	34·2	8·65	2·06	33·2	13·74	2·79	44·5
Summer	44·8	53·5	23·9	40·9	53·2	18·6	53·1	55·0	42·3	11·36	2·57	45·4	11·32	2·46	41·1	12·33	2·74	53·5

NON-CYCLIC CHANGE†

336 ESKDALEMUIR 1935

MONTH	All Days			Quiet Days			Disturbed Days		
	H	D	V	H	D	V	H	D	V
	γ	′	γ	γ	′	γ	γ	′	γ
January	+0·2	-0·02	-0·2	-0·2	-0·31	-0·1	+0·4	+1·30	-3·8
February	0·0	-0·08	-0·1	+2·2	-0·03	-0·7	-6·6	+0·09	+2·0
March	0·0	-0·01	0·0	+3·8	+1·20	+1·3	-4·8	+1·94	-2·7
April	+0·6	-0·03	-0·3	+2·7	+0·41	+0·4	-5·7	+0·14	-1·3
May	-0·4	-0·02	+0·2	+5·3	+0·05	-0·9	-6·9	-1·62	+2·5
June	+0·1	-0·03	-0·1	+4·0	+0·13	-2·0	-9·4	-1·07	-0·7
July	+0·2	-0·07	-0·2	+3·5	+0·09	-0·5	+9·9	-1·61	-8·3
August	+0·1	+0·09	-0·5	+3·2	+0·06	0·6	-2·1	-0·75	-3·2
September	-1·1	-0·19	-0·1	-0·6	+0·06	+2·6	-27·7	-3·78	-1·7
October	0·0	-0·07	+1·2	+4·3	+0·33	+3·4	-20·2	-2·75	+1·2
November	-0·2	+0·03	+0·4	+4·2	+1·15	-1·3	-6·1	-0·46	-2·4
December	+0·2	-0·04	-0·2	+1·0	+0·29	-0·1	+0·4	-1·32	-5·6
Year 1935	-	-	-	-	-	-	-	-	-

† See page 23
* See page 181

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

337 ESKDALEMUIR 1935

HR_H	VR_V	Sum	Mean Character Figure
96	117	213	0·65
97	180	278	0·79
111	201	312	0·74
129	183	312	0·70
117	168	285	0·65
158	228	386	0·77
125	160	285	0·58
106	138	244	0·58
156	269	425	0·93
138	229	367	0·90
97	145	242	0·47
98	131	229	0·74
119	179	298	0·71

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

338 ESKDALEMUIR 1935

MONTH	Horizontal Force			Declination (West)			Vertical Force			North Component	West Component	Inclination (North)		Total Force
	a	q 16,000γ+	d	a	q 13°+	d	a	q 44,000γ+	d	all days	all days	all days		all days
	γ	γ	γ	′	′	′	γ	γ	γ	γ	γ	°	′	γ
January	527	535	521	53·9	54·5	52·6	875	874	874	16044	3970	69	46·9	47822
February	525	529	516	53·2	53·3	52·9	879	877	879	16042	3966	69	47·1	47824
March	527	530	523	52·4	52·4	52·5	875	874	875	16045	3963	69	46·9	47822
April	527	532	518	51·2	51·2	52·0	869	869	867	16047	3957	69	46·7	47816
May	533	534	531	50·0	50·5	50·1	870	871	865	16053	3953	69	46·4	47819
June	533	532	530	49·4	49·3	49·2	869	868	868	16054	3950	69	46·3	47819
July	533	540	529	48·6	48·4	49·2	869	869	871	16055	3947	69	46·3	47818
August	531	532	531	47·4	47·8	47·1	867	867	867	16054	3940	69	46·7	47815
September	519	523	512	46·4	46·4	46·0	868	867	867	16044	3933	69	47·3	47814
October	515	523	506	45·4	45·5	45·4	881	873	893	16041	3927	69	47·6	47823
November	517	521	510	44·1	44·1	43·6	889	888	892	16045	3922	69	47·9	47832
December	516	521	510	43·3	43·7	42·9	895	893	897	16045	3918	69	48·1	47836
Year	525	529	520	48·8	48·9	48·6	875	874	876	16047	3945	69	47·0	47822

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of a_n, b_n in the series $\Sigma(a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$, t being reckoned in hours from midnight G.M.T.

Longitude of Eskdalemuir Observatory, 3° 12′W

339 ESKDALEMUIR 1935

Month and Season.	North Component								West Component								Vertical Component							
	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4
	All days																							
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+2·5	+1·3	-4·3	-0·8	+1·4	-1·4	+0·1	-0·3	-10·4	-1·3	-0·8	+3·1	-0·7	+0·3	+0·2	+1·4	-0·5	-5·5	-0·6	-0·7	+0·2	-0·8	-0·4	-0·4
Feb.	+6·1	+3·0	-4·6	-1·1	+2·6	-1·5	-0·7	+1·6	-12·5	-4·3	-0·3	+6·4	-0·6	-1·	+0·5	+1·6	-0·2	-10·0	-3·1	-2·0	+0·4	+0·3	-0·1	-0·2
Mar.	+9·6	-0·3	-0·6	-0·7	+3·0	-2·2	-0·6	+0·6	-12·4	-9·0	+3·1	+8·3	-2·1	-5·1	0·0	+2·2	+0·6	-0·9	-5·7	-0·2	+2·3	+0·8	-0·3	-1·1
Apr.	+16·2	-4·6	-11·2	+1·1	+3·7	-1·9	-0·1	+0·7	-6·7	-13·6	+3·0	+11·4	-1·8	-4·3	+1·1	+2·2	+1·2	-6·7	-5·5	-1·9	+1·3	+1·4	-0·7	+0·1
May	+13·6	-6·0	-9·3	+0·4	+1·5	-0·4	+0·1	+0·7	-7·2	-15·7	+2·9	+8·7	-3·8	-2·7	+0·4	+0·9	+4·4	-5·3	-6·1	-1·3	+1·2	-0·7	-0·5	-0·2
June	+14·7	-9·5	-12·0	+3·0	+1·1	-0·1	+1·1	+1·6	-7·9	-22·7	+5·3	+11·2	-3·1	-2·5	+0·5	-0·3	+3·1	-7·1	-9·0	-2·3	+1·4	+0·7	-0·1	-0·5
July	+16·5	-6·5	-8·7	+1·9	+1·5	-2·2	-1·0	+0·6	-7·2	-18·4	+5·6	+9·6	-2·8	-3·8	-0·2	+1·0	+3·5	-5·3	-6·0	-0·3	+1·5	+0·4	-0·6	-0·4
Aug.	+15·6	-6·1	-7·8	+2·3	+0·5	-2·2	+1·3	+1·0	-7·6	-15·1	+8·3	+6·9	-4·4	-2·9	+0·7	+1·4	+3·1	-4·5	-5·7	+0·1	+2·0	-0·9	-0·7	-0·5
Sept.	+14·9	-4·3	-9·2	+4·0	+1·0	-3·2	+0·2	+0·5	-14·6	-10·0	+4·3	+8·2	-3·9	-2·8	+2·0	+1·4	-1·7	-12·7	-6·6	-2·0	+1·9	+0·7	-1·5	0·0
Oct.	+15·0	+1·2	-8·2	+0·2	+3·6	-1·9	-0·6	+0·8	-10·3	-6·1	+1·7	+10·3	--1·1	-4·9	+1·3	+3·0	-1·6	-9·7	-4·6	+0·6	+1·8	+0·8	-1·3	-0·2
Nov.	+8·5	+1·5	-5·4	-2·5	+3·4	-2·1	-0·4	+0·4	-8·1	-2·4	-0·2	+6·5	-2·2	-1·3	+0·3	+2·3	-0·2	-6·7	-2·4	-0·1	+0·1	+0·4	-0·6	-0·5
Dec.	+5·9	+1·5	-4·8	-1·1	+1·3	-1·8	-0·6	+0·2	-10·6	-2·7	-1·4	+3·3	-1·3	-0·4	+0·6	+2·3	+0·8	-6·6	-0·8	-0·7	-0·3	-0·3	-0·1	-0·3
Year	+11·6	-2·4	-7·7	+0·6	+2·1	-1·7	-0·1	+0·7	-9·6	-10·1	+2·6	+7·8	-2·3	-2·7	+0·6	+1·6	+1·0	-7·5	-4·7	-0·9	+1·1	+0·3	-0·6	-0·4
Winter	+5·7	+1·8	-4·7	-1·4	+2·2	-1·7	-0·4	+0·5	-10·4	-2·7	-0·7	+4·8	-1·2	-0·7	+0·4	+1·9	0·0	-7·2	-1·7	-0·9	+0·1	-0·1	-0·3	-0·3
Equinox	+13·9	-2·0	-8·6	+1·2	+2·8	-2·3	-0·3	+0·7	-11·0	-9·7	+3·0	+9·5	-2·2	-4·3	+1·1	+2·2	-0·4	-9·7	-5·6	-0·9	+1·8	+0·9	-1·0	-0·3
Summer	+15·1	-7·0	-9·5	+1·9	+1·2	-1·2	+0·4	+1·0	-7·5	-18·0	+5·5	+9·1	-3·5	-3·0	+0·4	+0·8	+3·5	-5·6	-6·7	-0·9	+1·5	-0·1	-0·5	-0·4
	Quiet days																							
Year	+10·1	-1·9	-7·0	+0·1	+2·4	-1·4	-0·6	+0·9	-4·2	-10·4	+2·9	+7·1	-2·3	-3·1	+0·7	+1·7	+3·1	-1·0	-0·3	-0·4	+1·4	+0·2	-0·5	-0·5
Winter	+3·8	+0·3	-4·1	-1·5	+1·7	-0·7	-0·3	+0·5	-4·4	-3·4	-0·3	+3·7	-1·7	-0·8	+0·4	+1·4	+1·2	-1·6	-0·4	+0·1	+0·4	-0·3	-0·2	-0·1
Equinox	+12·3	-1·5	-7·5	+0·5	+3·2	-2·1	-0·8	+1·3	-4·0	-11·0	+2·8	+7·7	-2·5	-4·6	+1·2	+2·1	+3·2	-0·4	-3·5	-1·2	+1·9	+0·5	-0·8	-0·5
Summer	+14·2	-4·6	-9·4	+1·1	+2·2	-1·4	-0·7	+0·9	-4·1	-16·6	+6·3	+10·0	-2·8	-4·1	+0·5	+1·6	+5·0	-1·2	-5·0	-0·1	+1·8	+0·5	-0·4	-0·7
	Disturbed days.																							
Year	+12·8	-3·2	-8·8	+2·4	+1·8	-1·9	-0·4	-0·2	-18·9	-11·5	+0·2	+6·4	-1·2	-3·4	+0·5	+1·7	-3·8	-21·0	-8·6	-1·6	+1·0	+1·3	-0·7	+0·2
Winter	+5·3	+4·8	-4·9	-0·6	+2·7	-2·4	-2·5	-0·4	-21·8	-3·8	-4·1	+5·3	-0·5	-0·8	+1·1	+2·7	-0·5	-19·4	-4·4	-2·6	-0·8	+1·0	-0·2	+0·5
Equinox	+15·9	-5·5	-10·6	+2·8	+2·4	-3·4	+0·6	-1·0	-19·9	-8·7	+5·3	+11·5	+0·7	-6·7	+0·5	+2·8	-9·0	-27·5	-11·0	+0·6	+2·6	+2·7	-0·9	+0·4
Summer	+17·0	-8·9	-10·9	+5·1	+3·2	+0·3	+0·6	+0·7	-15·0	-22·0	-0·5	+8·2	-3·8	-2·8	+0·1	-0·3	-1·8	-16·1	-10·3	-2·8	+1·1	+0·1	+1·0	-0·3

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

340 ESKDALEMUIR 1935

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.	2·8	66	4·4	266	2·0	143	0·3	176	10·5	266	3·3	351	0·7	303	1·4	23	5·6	188	0·9	224	0·9	175	0·5	237
Feb.	6·8	67	4·7	262	3·0	130	1·7	350	13·2	254	6·4	4	1·8	208	1·7	29	10·0	184	3·7	243	0·5	59	0·3	217
Mar.	9·6	95	0·9	270	3·8	136	0·8	331	15·3	237	8·9	27	5·5	212	2·2	13	1·1	180	5·7	274	2·4	79	1·2	207
Apr.	16·9	109	11·3	282	4·2	127	0·7	367	15·1	209	11·8	21	4·6	213	2·5	38	6·8	173	5·9	257	1·9	53	0·7	288
May	14·8	117	9·3	298	1·6	113	0·7	24	17·3	208	9·2	25	4·7	243	1·0	37	6·9	143	6·2	264	1·4	130	0·5	265
June	17·5	126	12·4	291	1·1	104	1·9	47	24·0	202	12·3	32	3·9	241	0·6	132	7·7	160	9·3	262	1·6	71	0·6	208
July	17·7	115	8·9	289	2·7	154	1·2	315	19·8	205	11·1	37	4·7	226	1·0	2	6·4	150	6·0	273	1·5	85	0·7	246
Aug.	16·7	115	8·1	293	2·3	176	1·7	66	16·9	210	10·8	57	5·3	246	1·6	40	5·5	148	5·7	277	2·1	123	0·8	243
Sept.	15·5	109	10·0	300	3·4	172	0·5	32	17·7	239	9·3	34	4·8	243	2·4	67	12·8	191	6·9	259	2·0	81	1·5	281
Oct.	15·1	89	8·2	278	4·1	128	1·0	339	11·9	243	10·4	16	5·0	202	3·2	36	9·9	192	4·6	283	1·9	76	1·3	273
Nov.	8·7	83	5·9	252	4·0	132	0·5	328	8·4	256	6·5	5	2·5	250	2·3	20	6·7	185	2·4	273	0·4	30	0·8	238
Dec.	6·1	79	4·9	263	2·2	155	0·7	302	10·9	259	3·6	344	1·4	263	2·4	26	6·6	176	1·1	236	0·4	242	0·3	216
Year	11·8	105	7·7	~~312~~ 274	2·7	140	0·7	7	14·0	227	8·2	25	3·5	230	1·7	33	7·5	175	4·8	265	1·2	87	0·7	250
Winter	6·0	76	5·0	260	2·8	138	0·6	331	10·8	259	4·9	359	1·4	248	1·9	25	7·2	183	1·9	249	0·1	137	0·5	231
Equinox	14·1	148	8·7	284	3·7	139	0·7	350	14·7	232	10·0	24	4·8	217	2·5	39	9·7	185	5·7	267	2·0	73	1·0	264
Summer	16·6	118	9·6	288	1·7	145	1·1	34	19·5	206	10·6	38	4·6	239	0·9	37	6·6	151	6·8	268	1·5	103	0·6	241
	Quiet days																							
Year	10·3	104	7·0	277	2·8	129	1·1	341	11·2	205	7·7	29	3·9	226	1·9	36	3·3	111	3·0	268	1·4	90	0·6	238
Winter	3·8	89	4·4	256	1·9	121	0·6	339	5·6	236	3·7	1	1·9	253	1·5	28	2·0	147	0·4	293	0·5	140	0·3	246
Equinox	12·4	100	7·5	280	3·9	132	1·5	343	11·7	203	8·1	26	5·2	219	2·5	44	3·2	100	3·7	258	1·9	84	1·0	243
Summer	14·9	111	9·5	283	2·6	131	1·1	337	11·1	197	11·8	39	4·9	224	1·7	28	5·2	107	5·0	275	1·9	83	0·8	221
	Disturbed days.																							
Year	13·2	107	9·1	346	2·6	145	0·5	257	22·1	242	8·4	8	3·6	209	1·8	30	21·3	193	8·8	266	1·6	47	0·7	297
Winter	7·1	51	4·9	224	3·7	141	2·5	273	22·1	263	6·7	329	0·9	223	2·9	34	19·4	185	5·1	246	1·3	332	0·5	349
Equinox	16·9	112	11·0	291	4·2	154	1·1	163	21·7	260	12·7	31	6·7	184	2·9	22	28·9	201	11·1	279	3·7	55	0·9	306
Summer	19·1	121	12·0	301	4·3	57	0·9	55	26·7	217	8·2	3	4·7	243	0·3	167	16·2	190	10·7	281	1·1	94	1·0	266

341

	Latitude	Longitude	1935 Declination	1935 Inclination	1935 Horizontal Intensity	1935 Vertical Intensity	1934 Declination	1934 Inclination	1934 Horizontal Intensity	1934 Vertical Intensity	1933 Declination	1933 Inclination	1933 Horizontal Intensity	1933 Vertical Intensity
	N ° ′	° ′	° ′	N ° ′	γ	γ	° ′	N ° ′	γ	γ	° ′	N ° ′	γ	γ
Godhavn, Greenland ...	69 15	53 30W	56 13·8W	81 34·2	8193	55284	56 30·4W	81 33·7	08209	55330	56 48·2W	81 33·6	08219	55389
Sodankyla, Finland ...	67 22	26 39E	3 23·3E	76 17·9	12050	49329	3 12·7E	76 15·1	12081	49312	3 3·8E	76 11·6	12111	49284
Lerwick, Shetland Islands ...	60 8	1 11W	13 9·5W	72 49·9	14446	46758	13 21·9W	72 48·4	14463	46744	13 34·0W	72 44·6	14477	46605
Sloutsk, U.S.S.R. ...	59 41	30 29E	4 38·4E	72 2·2	15370	47404	4 30·5E	71 58·6	15405	47348	4 24·1E	71 55·7	15433	47299
Lovo (Stockholm) Sweden ...	59 21	17 50E	2 11·4W	71 41·6	15405	46562	2 20·8W	71 39·5	15432	46548	2 30·6W	71 36·5	15459	46494
Sitka, Alaska ...	57 3	135 20W	30 2·8E	74 20·1	15450	55093	30 5·6E	74 20·5	15454	55129	30 8·5E	74 20·5	15450	55118
Wyssokaya Doubrawa U.S.S.R. ...	56 44	61 4E	12 51·5E	72 17·8	16210	50781	12 50·4E	72 14·4	16248	50727	12 50·0E	72 11·3	16279	50676
Copenhagen (in Rude Skov), Denmark ...	55 51	12 27E	5 8·6W	69 29·6	16804	44927	5 19·3W	69 26·9	16824	44875	5 29·6W	69 25·0	16839	44838
Kasan (Sajmistsche), U.S.S.R. ...	55 50	48 51E	9 15·4E	70 53·9	16804	48523	9 13·2E	70 51·6	16844	48505	9 11·3E	70 47·8	16870	48434
Eskdalemuir, Scotland ...	55 19	3 12W	13 48·8W	69 47·0	16525	44875	14 0·6W	69 45·9	16536	44859	14 12·1W	69 45·2	16558	44890
Meanook, Alberta, Canada ...	54 37	113 21W	26 8·2E	77 53·6	12732	59358	26 15·3E	77 53·5	12736	59387	26 21·9E	77 54·0	12736	59411
Hel, Poland ...	54 36	18 48E	2 25·2W		17530		2 35·5W	*68 25·2	17553	*44384	...	...	...	...
Stonyhurst, Lancs., England ...	53 51	2 28W	12 53·2W	*68 50·7	17148	*44311	13 4·9W	*68 49·0	17163	*44279	13 16·5W	*68 49·0	17169	*44296
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	0 5·1E	71 16·0	19013	56409
Swider, Poland ...	52 7	21 15E									1 31·9W	67 9·3	18420	43724
De Bilt, Utrecht, Holland ...	52 6	5 11E	8 31·9W	67 5·4	18244	43169	8 43·0W	67 3·7	18254	43132	8 53·1W	67 3·0	18258	43115
Niemegk, Germany ...	52 4	12 41E	4 54·9W	66 49·4	18477	43159	5 5·2W	66 46·9	18491	43106	5 15·1W	...	...	...
Valentia, Cahirciveen, Ireland ...	51 56	10 15W	*16 32·7W	*67 57·4	*17804	*43969	*16 43·7W	*67 57·5	*17812	*43993	*16 54·5W	*67 57·9	*17811	*44005
Bochum, Germany ...	51 29	7 14E					7 52·4W	...	...	...	8 2·8W	...	...	...
Abinger, Surrey, England ...	51 11	0 23W	11 30·3W	66 40·9	18527	42981	11 41·1W	66 39·7	18533	42955	11 51·7W	66 39·4	18532	42942
Uccle, Belgium ...	50 48	4 21E					9 18·3W	...	...	...	9 28·9W	...	...	...
Val Joyeux, near Paris, France ...	48 49	2 1E	10 6·7W	64 45·4	19642	41658	10 17·5W	64 44·3	19643	41629	10 27·4W	64 44·2	19639	41615
Vienna, (Auhof), Austria ...	48 12	16 14E	3 16·7W	63 38·1	20486	41333	3 25·8W	63 34·4	20501	41252	3 35·1W	63 32·7	20507	41213
Stara Dala, Czecho-Slovakia ...	47 53	18 11E	2 32·7W	...	...	...	2 42·5W	...	...	...	2 51·3W	...	...	...
Nantes, France ...	47 15	1 34W	11 13·5W	63 42·8	20245	40989	11 22·9W	63 43·1	20245	40995	11 33·4W	63 44·4	20250	41045
Agincourt, Ontario, Canada ...	43 47	79 16W	7 37·4W	74 48·9	15391	56708	7 37·8W	74 47·9	15423	56762	7 37·7W	74 47·4	15453	56836
Karsani, U.S.S.R. ...	41 50	44 42E					4 26·5E	58 40·9	24574	40388	4 25·4E	58 37·1	24576	40291
Ebro, Tortosa, Spain ...	40 49	0 30E	9 37·3W	57 22·6	23466	36659	9 45·5W	57 22·7	23456	36646	9 54·3W	57 23·0	23436	36622
Coimbra, Portugal ...	40 12	8 25W	*13 14·8W	*57 31·4	*23269	*36553	*13 22·1W	*57 41·2	*23230	*36720	*13 28·8W	*57 45·8	*23235	*36849
Cheltenham, Maryland, U.S.A. ...	38 44	76 50W	7 6·4W	71 15·9	18346	54090	7 6·9W	71 14·1	18385	54116	7 6·2W	71 12·8	18432	54186
†San Miguel, Azores Is. ...	37 46	25 39W	18 1·9W	*59 28·3	*23405	39690	18 8·0W	*59 32·5	*23394	*39782	18 12·5W	*59 35·3	*23374	*39822
San Fernando, Spain ...	36 28	6 12W	11 53·0W	*53 11·2	25258	*33747	*12 1·9W	*53 15·6	*25190	*33748	12 8·1W	*53 21·1	25148	*33806
Kakioka, Japan ...	36 14	140 11E	5 49·5W	49 30·9	29719	34822	5 47·1W	49 29·5	29720	34788	5 45·5W	49 28·7	29723	34775
Tsingtao, China ...	36 4	120 19E	4 36·4W	52 5·5	30921	39707	4 34·9W	52 5·1	30920	39696	4 34·1W	52 5·2	30901	39675
Tucson, Arizona, U.S.A. ...	32 15	110 50W	13 52·2E	59 40·4	26259	44889	13 52·4E	59 39·8	26294	44933	13 52·2E	59 39·8	26319	44972
Lukiapang, Shanghai, China ...	31 19	121 2E	...	...	...	...	...	...	...	...	3 35·4W	45 23·7	33329	33791
Zo-Se, Shanghai, China ...	31 6	121 11E	3 24·3W	45 31·5	33267	33881	3 24·6W	45 30·9	33254	33858	3 24·7W	45 30·7	33257	33857
Dehra Dun, United Provinces, India. ...	30 19	78 3E	0 56·7E	45 39·3	33140	33894	1 0·0E	45 39·0	33087	33847	1 2·8E	45 38·2	33056	33798
Helwan, Egypt ...	29 52	31 21E	0 9·2E	41 53·9	30258	27147	0 5·0E	41 50·2	30223	27057	0 0·6E	41 49·3	30180	27004
Hong Kong (Au Tau), China ...	22 27	114 3E	0 41·5W	30 31·0	37584	22153	0 42·3W	30 31·5	37557	22145	0 43·0W	30 32·4	37546	22151
Honolulu, Hawaii ...	21 19	158 4W	10 9·7E	39 10·0	28534	23244	10 7·7E	39 12·2	28544	23283	10 6·0E	39 16·3	28543	23339
Teoloyucan, Mexico ...	19 45	99 11W	9 37·5E	47 9·0	31007	33425	9 36·1E	47 7·3	31017	33403	9 33·8E	47 5·2	31047	33395
Alibag, Bombay, India ...	18 38	72 52E	0 17·7W	25 29·5	37524	17892	0 16·2W	25 29·9	37462	17867	0 14·5W	25 30·4	37408	17846
San Juan, Porto Rico ...	18 23	66 7W	5 24·1W	52 46·4	27297	35927	5 19·7W	52 43·5	27322	35898	5 13·0W	52 38·1	27350	35817
Antipolo, Philippine Is. ...	14 36	121 10E	*0 32·2E	*15 48·6	*38318	*10850	*0 30·5E	*15 49·1	*38302	*10851	*0 29·3E	*15 48·8	*38276	*10841
	S			S				S				S		
Batavia (Kuyper), Java ...	6 2	106 44E	*1 9·2E	*32 20·8	*37035	*23455	*1 6·6E	*32 20·6	*37001	*23430	1 5·2E	32 21·6	36891	23376
				N				N				N		
Huancayo, Peru ...	12 3	75 20W	7 15·2E	2 11·2	29612	01130	7 18·1E	2 8·5	29622	01107	7 21·4E	2 3·4	29614	01077
				S				S				S		
Apia, Samoa ...	13 48	171 46W	10 36·1E	30 26·3	35020	20587	10 42·2E	*30 22·4	35048	20556	10 39·2E	*30 18·4	35095	*20514
†Mauritius ...	20 6	57 33E	12 59·6W	52 48·6	22529	29690	12 50·9W	52 46·5	22542	29671	12 37·2W	52 43·8	22562	29649
La Quiaca, Jujuy, Argentina ...	22 6	65 36W									4 16·7E	12 21·2	26223	05743
Vassouras, Brazil, ...	22 24	43 39W	13 17·1W	17 46·8	24155	07703	13 10·9W	17 37·8	24010	07646	13 4·7W	17 28·6	24040	07579
Watheroo, West Australia ...	30 19	115 52E	3 42·5W	64 21·0	24672	51379	3 47·8W	64 20·1	24669	51340	3 53·4W	64 19·8	24659	51307
Pilar, Cordova, Argentina ...	31 40	63 53W	5 53·5E	26 3·7	24456	11961	5 59·0E	25 59·2	24516	11950	6 5·0E	25 55·9	24559	11942
Capetown, S. Africa ...	33 57	18 28E	24 34·3W	63 20·8	14858	29605	24 36·6W	63 14·6	14955	29664	24 39·9W	63 9·4	15055	29739
Toolangi, Victoria, Australia ...	37 32	145 28E	*8 36·7E	*67 48·6	*22928	*56199	8 33·8E	*67 49·2	*22909	*56193	8 31·2E	67 50·0	22892	56190
Christchurch (Amberley), N.Z. ...	43 10	172 43E	18 6·3E	67 59·7	22317	55223	18 3·0E	67 59·1	22331	55230	18 0·1E	67 58·7	22339	55232

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 discontinuity 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. 1933.- The results relate to the eight months January to August; 1934, 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.

342

REVISED VALUES FOR EARLIER YEARS

	Latitude	Longitude	1932 Declination	1932 Inclination	1932 Horizontal Intensity	1932 Vertical Intensity	1931 Declination	1931 Inclination	1931 Horizontal Intensity	1931 Vertical Intensity	1930 Declination	1930 Inclination	1930 Horizontal Intensity	1930 Vertical Intensity
	° ′ N	° ′	° ′	° ′ N	γ	γ	° ′	° ′ N	γ	γ	° ′	° ′ N	γ	γ
Zouy, Siberia U.S.S.R. ...	52 28	104 2E	...	...	...	...	0 14·3E	71 22·5	19029	56460	0 17·7E	71 21·5	19019	56380
Coimbra, Portugal ...	40 12	8 25W	*13 36·2W	57 43·7	*23202	36730	...	...	...	...	...	...	...	...
	S			S										
Toolangi, Victoria, Australia ...	37 32	145 28E	8 27·8E	67 50·8	22882	56199								

Erratum 1934 Year Book. Helwan ... 1933 Declination; for W read E.

M.O. 390
(Valentia)

Air Ministry

METEOROLOGICAL OFFICE

THE
OBSERVATORIES' YEAR BOOK
1935

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
1937

VALENTIA OBSERVATORY

Latitude	51° 56′ N.
Longitude	10° 15′ W.
G.M.T. of Local Mean Noon ..	12h 41m.

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.)

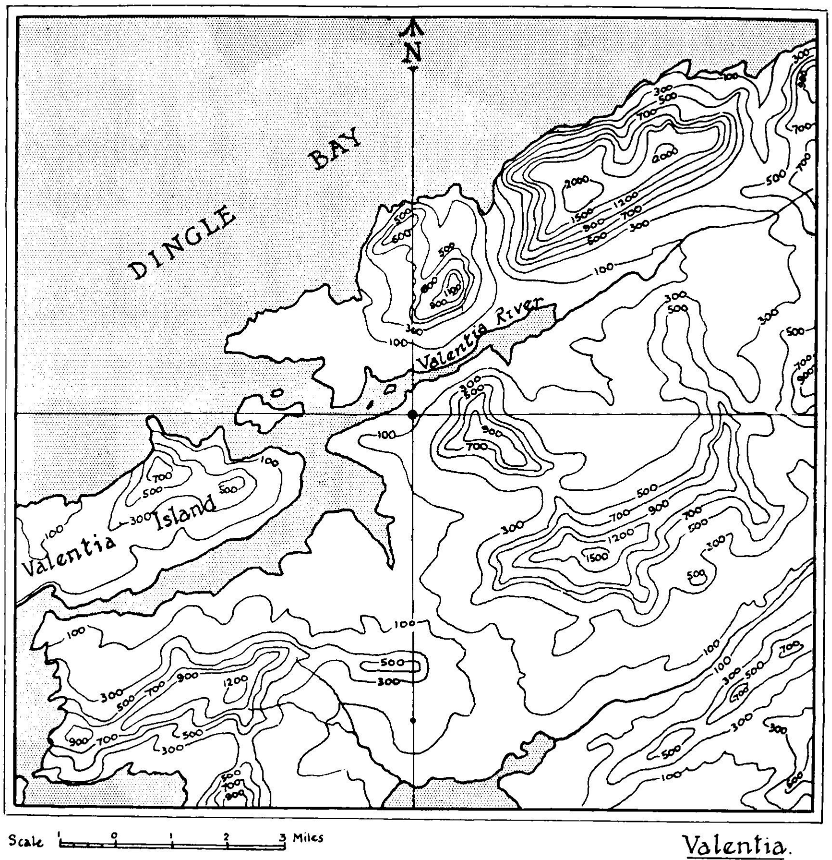


FIG. 15.—CONTOURED MAP SHOWING SURROUNDINGS OF VALENTIA OBSERVATORY. (THE HEIGHTS ARE GIVEN IN FEET ABOVE IRISH ORDNANCE DATUM).

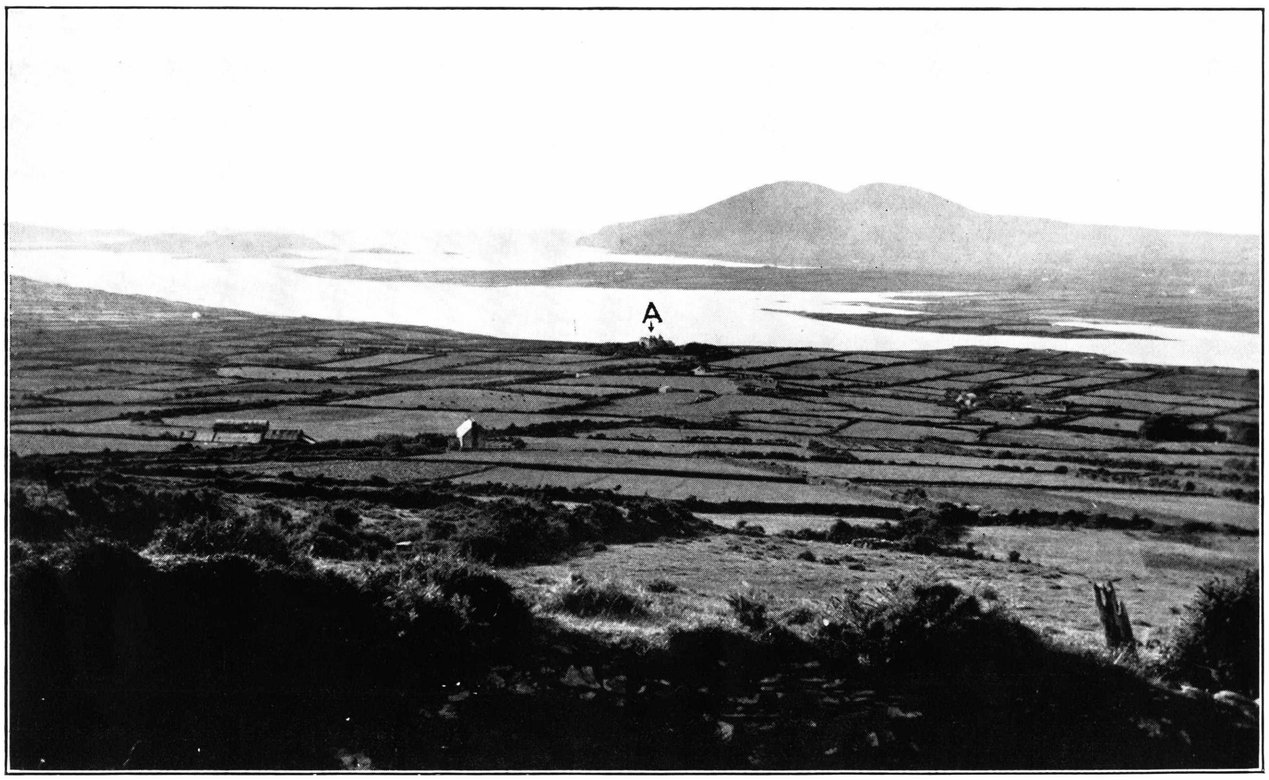


FIG. 16.—GENERAL VIEW FROM S. (THE OBSERVATORY BUILDING IS IN THE CENTRE OF THE PHOTOGRAPH).

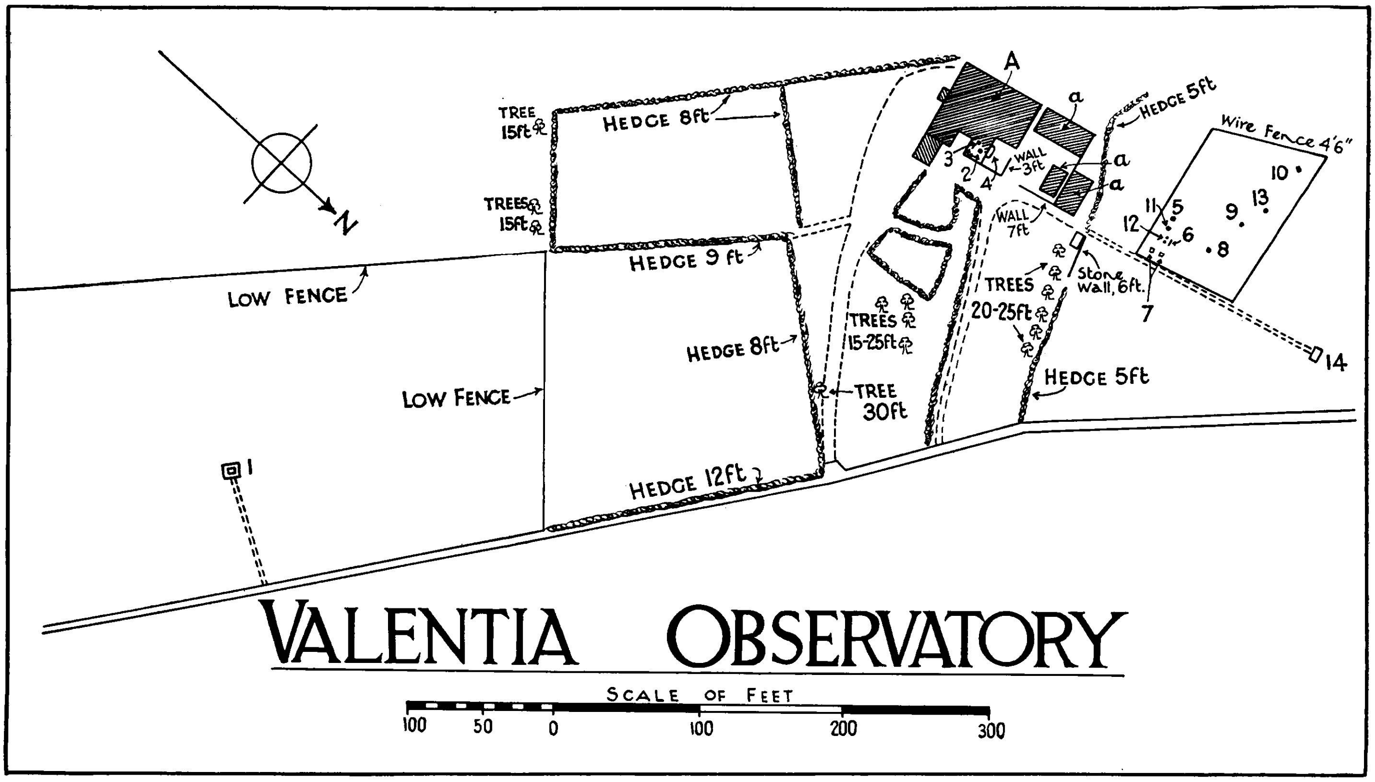


FIG. 17.—SITE PLAN.

FIG. 18.—VIEW OF INSTRUMENT ENCLOSURE FROM N.W.

A.—OBSERVATORY BUILDING. a.—SHEDS.
1.—DINES PRESSURE TUBE AMEMOMETER. 2.—ROBINSON CUP ANEMOGRAPH.
3.—CAMPBELL STOKES SUNSHINE RECORDER ON OBSERVATORY TOWER.
4.—NORTH WALL SCREEN CONTAINING BULBS OF PHOTO-THERMOGRAPH AND STANDARD CONTROL THERMOMETERS.
5.—BECKLEY AUTOGRAPHIC RAINGAUGE AND 8 INCH CONTROL RAINGAUGE.
6.—GRASS MINIMUM THERMOMETER.
7.—EXPERIMENTAL AND STEVENSON THERMOMETER SCREENS.
8.—JARDI RATE OF RAINFALL RECORDER. 9.—BESSON COMB NEPHOSOCOPE.
10.—EVAPORATION GAUGE. 11.—DINES TILTING SYPHON RAINGAUGE.
12.—EARTH THERMOMETERS. 13.—CHECK RAINGAUGE.
14.—HUT FOR ABSOLUTE MAGNETIC OBSERVATIONS.

To face p. 287

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 hils 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 are reproduced in Figs. 15-18.

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 gauge 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 gust 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 ($1\frac{1}{2}$ 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.- Lists 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.
A	Metres 25	Metres 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.

<u>The Weather of 1935</u>.- Generally, the weather was variable with rainfall below normal and sunshine and temperature above the average. January, March, July and December were notably dry and June and November abnormally wet.

<u>Pressure</u>.- 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 0·8 millibars below normal. Of the monthly mean pressures five were higher and seven were lower than normal. The departures ranged from an excess of fifteen millibars in January to a deficiency of eleven millibars in November.

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.* The coefficients are given to the nearest ·01 mb. and the phase angles to the nearest 1°.

<u>Temperature</u>.- Mean temperature for the year 1935 was 0·5°A.(0·9°F.) above normal. For the individual months, March, with an excess of 2·6°A.(4·7°F.) and December with a deficiency of corresponding amount showed the greatest departures.

---

*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.* The coefficients are given to the nearest $\cdot 01^{\circ}$A and the phase angles to the nearest 1°.

Rainfall.- The total rainfall for the year was 1304 mm., this amount being 110 mm. below the normal. A record dry January (27 mm.) and a record wet June were notable contributions to a variable year.

Bright Sunshine.- Sunshine was slightly in excess of normal the increase reaching 35% in May. May with a total of 256 hours (53% of possible) was the brightest and January with 37 hours (15% 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 January with mean cloud amount of 8·5. The month with least cloud was May with a mean of 5·7.

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. 2	13	J	k
" 2	15	J	k
" 8	21	J	k
" 30	15	G	H
Feb. 1	18	h	G
" 2	13	J	k
" 11	9	J	k
" 15	13	I	H
" 15	15	I	H
" 19	9	J	l
" 20	13	J	k
Mar.19	13	J	k
" 23	18	J	k
" 24	7	I	H
" 26	7	I	H
" 28	7	J	k
" 28	9	J	k
Apr. 4	9	J	k
4	13	J	k
6	18	J	k
May 1	18	k	J
" 2	15	k	J
" 14	9	J	l
" 20	7	J	k
" 20	13	J	k
June 13	15	k	J
" 19	13	I	H
" 20	13	k	J
" 20	15	k	J
" 20	21	k	J
" 26	15	I	H
" 27	13	I	H
" 27	21	h	G
July 3	7	k	l
" 3	13	h	G
" 4	18	I	H
" 4	21	I	H
" 18	9	J	l
" 28	7	h	I

Date	Hour	Visibility Landwards	Visibility Seawards
July 28	9	h	I
" 28	18	G	F
Aug. 1	9	J	k
" 5	7	F	G
" 5	13	k	J
" 5	15	k	J
" 6	15	k	I
" 17	7	I	H
" 19	18	h	G
" 20	9	J	l
" 26	18	J	k
Sept. 4	18	k	l
" 5	13	J	l
" 6	7	k	l
" 11	9	k	J
" 13	15	J	k
" 16	18	J	k
" 19	9	J	l
" 24	7	h	G
" 28	7	J	k
" 28	9	J	k
Oct. 2	15	J	k
" 9	18	h	G
" 13	18	J	k
" 13	21	J	k
" 17	9	J	k
" 17	21	J	k
" 23	9	J	k
Nov. 7	7	J	k
" 8	18	I	H
" 9	7	k	J
" 27	18	h	G
" 27	21	h	G
Dec. 3	13	J	k
" 5	9	J	k
" 12	13	J	k
" 12	15	J	k
" 23	15	J	k
" 27	21	k	J

*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 1935.

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.18090/29 (M.O.18136/29	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 1935	c_1 1871-1926	α_1 1935	α_1 1871-1926	c_2 1935	c_2 1871-1926	α_2 1935	α_2 1871-1926	c_3 1935	c_3 1871-1926	α_3 1935	α_3 1871-1926	c_4 1935	c_4 1871-1926	α_4 1935	α_4 1871-1926
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
January	·16	·10	152	162	·32	·32	151	153	·19	·16	350	250	·09	·07	188	208
February	·19	·12	354	194	·46	·34	140	148	·12	·11	2	346	·03	·04	94	92
March	·27	·12	94	157	·32	·36	153	150	·05	·04	320	262	·05	·04	45	50
April	·12	·10	23	191	·39	·31	131	149	·02	·03	250	171	·04	·04	5	11
May	·21	·17	83	180	·33	·27	148	147	·07	·07	170	165	·02	·02	282	347
June	·44	·20	196	199	·25	·25	157	146	·06	·08	165	161	·01	·00	152	340
July	·15	·24	170	183	·24	·25	143	143	·08	·08	165	161	·02	·01	14	11
August	·23	·25	217	188	·27	·28	157	144	·06	·05	159	163	·05	·03	324	345
September	·23	·19	335	203	·33	·34	141	153	·02	·00	316	50	·01	·04	132	6
October	·12	·20	234	198	·37	·34	145	160	·04	·07	10	359	·01	·01	238	56
November	·37	·08	202	184	·41	·34	172	161	·13	·13	19	6	·07	·03	188	167
December	·45	·13	148	191	·37	·32	160	160	·17	·16	7	358	·11	·07	211	198
Arithmetic Mean	·25	·16	...	...	·34	·31	...	...	·08	·08	...	...	·04	·03	...	...
Year	·10	·15	167	188	·33	·31	150	152	·03	·03	6	5	·01	·00	201	70
Winter	·18	·11	166	184	·38	·33	156	155	·15	·14	3	356	·07	·04	190	182
Equinox	·06	·15	31	191	·35	·34	142	153	·03	·02	326	351	·02	·03	32	25
Summer	·18	·21	182	188	·27	·26	151	145	·07	·07	165	162	·01	·02	319	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	
	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926
	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°
January	·58	0·48	221	238	·17	0·26	28	53	·14	0·11	225	226	·04	0·02	75	46
February	·74	0·81	236	234	·27	0·37	42	53	·12	0·09	230	237	·10	0·03	138	189
March	1·08	1·34	232	235	·42	0·42	61	60	·07	0·04	273	328	·06	0·08	233	216
April	1·94	1·80	241	239	·37	0·36	106	72	·19	0·15	44	41	·12	0·06	268	236
May	2·70	2·08	240	242	·41	0·19	133	98	·36	0·24	64	57	·12	0·04	349	309
June	1·61	2·05	245	243	·09	0·11	99	97	·16	0·21	67	63	·04	0·03	327	13
July	1·96	1·86	243	243	·16	0·15	104	75	·21	0·20	63	59	·10	0·01	349	339
August	1·54	1·74	243	243	·30	0·30	77	69	·18	0·16	45	47	·06	0·03	273	240
September	1·07	1·55	243	242	·37	0·45	76	70	·10	0·06	7	216	·11	0·09	246	234
October	·69	1·11	235	241	·27	0·41	70	68	·04	0·08	266	274	·03	0·07	155	225
November	·59	0·72	249	239	·31	0·35	53	62	·19	0·12	230	252	·02	0·01	39	115
December	·71	0·44	251	234	·32	0·26	37	55	·10	0·11	224	241	·05	0·03	128	59
Arithmetic Mean	1·27	1·33	...	...	·29	0·30	...	...	·15	0·13	...	...	·07	0·04	...	...
Year	1·27	1·33	241	240	·25	0·30	74	66	·04	0·05	55	38	·02	0·02	292	234
Winter	·64	0·61	240	236	·27	0·31	42	56	·14	0·10	227	232	·04	0·13	111	92
Equinox	1·19	1·45	238	239	·34	0·41	78	67	·05	0·05	9	6	·07	0·08	247	228
Summer	1·95	1·93	242	242	·22	0·18	108	82	·23	0·20	60	57	·07	0·02	334	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 1935.

Absolute observations of declination, horizontal force and inclination were made weekly at Valentia Observatory during the year 1935. 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, 11·42 for horizontal force and 14·30 for inclination, all according to Greenwich Mean Time. In the individual observations the greatest departure from the mean time in any element was 10 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 1935 was computed from the mean deflections for 30 cm. and 40 cm. for the seven years 1928-1934 inclusive. The mean P so obtained was 7·53. 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'·0 as compared with 1934. From 1933 to 1934 the decrease was 10'·8 and in the previous 12 months 10'·9. 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 decreased 0'·1 from 1934 to 1935. 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	

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 1934 had continued to decrease but at an apparently diminishing rate, has this year shown an increase of 6γ. This is the first time an increase has been recorded. 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 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 continues to 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, 1935

Latitude 51° 56′ N. Longitude 10° 15′ W.

Date	Westerly Declination	Horizontal Force	Northerly Inclination	Date	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′		° ′	′	° ′
January 4	16 40·3	17809	67 58·4	July 5	16 29·6	17799	67 55·9
" 11	16 39·0	17826	67 57·9	" 12	16 31·3	17806	67 56·6
" 18	16 38·5	17804	67 58·4	" 19	16 30·7	17803	67 57·0
" 25	16 39·3	17816	67 57·5	" 26	16 30·7	17813	67 58·7
February 1	16 42·9	17791	67 57·2	August 2	16 30·5	17798	67 58·1
" 8	16 39·3	17811	67 56·9	" 9	16 31·2	17823	67 56·7
" 15	16 35·7	17804	67 58·5	" 16	16 31·1	17813	67 56·5
" 22	16 37·5	17804	67 56·7	" 23	16 31·5	17811	67 57·3
March 1	16 37·6	17805*	67 58·6	" 30	16 29·7	17769	67 57·3
" 8	16 36·5	17816	67 57·2	September 6	16 31·8	17801	67 56·9
" 15	16 37·5	17788*	67 56·8*	" 13	16 30·5	17796	67 57·0
" 22	16 34·7	17799	67 57·7	" 20	16 29·8	17800	67 56·6
" 29	16 35·0	17806	67 57·2	" 26	16 31·0	17764	67 59·2*
April 5	16 33·6	17800	67 56·5	October 4	16 27·9	17797	67 57·0
" 12	16 36·7*	17781*	67 58·1*	" 10	16 26·6	17800	67 58·2
" 18	16 32·9	17784	67 57·6	" 18	16 32·1	17803	67 57·9
" 26	16 32·7	17810	67 56·6	" 25	16 27·6	17775	67 58·3
May 3	16 35·2	17802	67 57·6	November 1	16 30·7	17809	67 56·9
" 10	16 32·3	17819	67 56·6	" 8	16 27·9	17793	67 58·2
" 18	16 30·0	17812	67 56·4	" 15	16 27·5	17797	67 58·4
" 24	16 34·2	17811	67 56·4	" 22	16 29·2	17811	67 58·6
" 31	16 32·1	17805	67 56·9	" 29	16 30·4	17837	67 57·4
June 7	16 32·2	17833*	67 56·7*	December 6	16 29·6	17810	67 58·1
" 14	16 33·2	17820	67 56·2	" 13	16 30·6	17809	67 58·5
" 21	16 30·2	17800	67 56·8	" 20	16 29·6	17816	67 56·9
" 28	16 35·3	17807	67 56·8	" 27	16 29·8	17800	67 59·2

* Disturbance at these times. Values not utilised in computing means given in Table D.

TABLE D.

"VALENTIA OBSERVATORY"

Magnetic Date for the Year 1935.

1935	Declination (West)		Inclination (North)		Horizontal Force	North	West	Vertical	Total
	°	′	°	′	γ	γ	γ	γ	γ
January	16	39·3	67	58·1	17814	17067	5106	44021	47489
February	16	38·9	67	57·3	17803	17057	5100	43964	47432
March	16	36·3	67	57·7	17807	17064	5089	43989	47457
April	16	33·1	67	56·9	17798	17060	5070	43937	47406
May	16	32·8	67	56·8	17810	17072	5072	43963	47434
June	16	32·7	67	56·6	17809	17072	5071	43954	47424
July	16	30·6	67	57·1	17805	17071	5060	43962	47431
August	16	30·8	67	57·2	17803	17069	5060	43960	47429
September	16	30·8	67	56·8	17790	17057	5057	43915	47382
October	16	28·5	67	57·9	17794	17063	5046	43955	47429
November	16	29·1	67	57·9	17809	17o77	5054	44002	47469
December	16	29·9	67	58·2	17809	17076	5058	44013	47479
Year 1935	16	32·7	67	57·4	17804	17067	5070	43969	47437
Year 1934	16	43·7	67	57·5	17812	17058	5127	43993	47431
Year 1933	16	54·5	67	57·9	17811	17041	5180	44005	47473
Year 1932	17	5·4	67	58·5	17809	17023	5234	44024	47490
Year 1931	17	16·8	67	58·7	17815	17011	5292	44048	47514
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, 1935

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	020·7	021·0	021·3	021·4	021·5	021·4	021·7	022·1	023·1	023·9	024·5	024·9	025·0	025·0	025·2	025·8	026·5	027·0	027·5	027·7	028·2	028·9	029·1	029·7	024·5
2	029·8	029·9	030·0	030·2	030·3	030·8	031·1	031·4	032·0	032·7	033·7	034·1	034·0	034·0	034·2	034·7	035·1	035·3	035·5	035·9	036·1	036·5	036·7	036·6	033·2
3	036·6	036·6	036·5	036·5	036·5	036·2	036·1	036·0	036·0	035·7	035·7	035·2	034·5	033·7	033·5	033·4	033·8	033·6	033·5	033·5	033·9	033·9	034·3	034·6	035·0
4	034·5	034·5	034·4	034·7	034·7	034·6	034·7	034·7	035·1	035·2	035·9	035·3	035·1	034·4	034·0	034·4	034·2	034·3	034·3	034·3	034·3	033·8	033·7	033·3	034·5
5	032·8	032·1	031·7	031·0	030·5	029·9	029·5	028·9	028·5	028·0	027·7	026·6	025·4	024·3	023·3	023·0	022·6	022·5	022·3	021·8	021·6	021·2	020·7	020·2	026·4
6	019·9	019·4	019·0	018·9	018·8	019·2	019·3	019·9	020·6	020·8	021·8	021·8	021·7	021·5	021·4	021·5	021·8	021·8	022·0	022·0	022·0	021·9	021·9	021·8	020·8
7	021·7	021·5	021·4	021·1	021·0	020·7	020·8	021·0	021·1	021·5	021·6	021·3	021·0	020·7	020·5	020·5	020·9	021·1	021·4	021·5	021·5	021·5	021·6	021·6	021·1
8	021·5	021·4	021·5	021·3	020·9	020·6	020·4	020·3	020·7	020·6	021·0	020·8	020·6	020·0	020·2	020·5	021·1	021·3	021·8	022·3	022·5	022·7	023·1	023·1	021·2
9	023·2	023·3	023·4	023·6	023·8	024·0	024·2	024·6	025·0	025·1	025·6	025·5	025·3	025·1	024·9	025·2	025·6	025·8	026·0	026·1	026·2	026·4	026·3	026·4	025·0
10	026·3	026·2	026·3	025·7	025·5	025·9	026·0	025·9	025·9	026·2	026·4	026·3	025·9	025·6	025·3	024·8	024·4	024·2	023·4	023·1	022·3	021·3	020·3	019·5	024·8
11	018·2	016·9	015·8	014·3	012·5	010·6	009·2	009·2	010·2	011·8	012·0	012·5	012·4	013·4	013·8	014·6	015·2	015·7	016·4	016·8	017·0	016·8	016·8	017·0	014·2
12	017·8	017·8	019·0	019·6	020·0	019·9	020·5	020·7	021·5	021·3	021·6	020·8	020·0	019·3	019·4	019·6	019·5	019·5	019·5	019·6	019·3	018·8	018·4	018·3	019·6
13	018·2	017·8	018·2	017·6	018·1	017·9	018·0	018·3	018·7	018·8	019·1	019·3	019·6	019·8	020·2	020·5	020·7	021·1	021·6	022·5	022·7	023·2	023·8	024·2	019·9
14	024·2	024·1	024·4	024·8	025·2	025·4	025·7	026·3	026·7	027·1	027·6	027·6	027·4	027·2	027·4	027·7	028·0	028·5	028·9	029·3	029·4	029·9	030·1	030·4	027·1
15	030·3	030·4	030·7	030·6	030·6	030·5	030·5	030·5	030·8	031·4	031·8	031·5	031·3	031·3	031·1	031·2	031·5	032·2	032·2	032·6	032·7	032·9	033·5	034·0	031·4
16	033·7	033·6	033·8	033·8	034·0	033·7	033·8	034·1	034·8	035·2	035·8	035·7	035·4	035·4	035·4	035·5	035·6	036·0	036·2	036·2	036·5	036·9	036·8	036·7	035·1
17	036·8	036·7	036·6	036·8	036·5	036·2	036·5	036·9	036·9	037·2	037·6	037·4	037·1	037·0	036·8	036·8	037·0	037·3	037·2	037·1	037·1	037·5	037·7	037·7	037·0
18	037·8	037·7	037·8	037·9	038·1	038·0	038·0	038·4	038·9	039·0	039·3	039·0	038·6	038·3	038·2	038·1	038·0	038·0	037·9	037·9	037·9	037·9	037·9	037·6	038·2
19	037·3	037·2	037·1	036·8	036·7	036·3	036·5	037·0	037·5	037·8	037·8	037·4	037·2	036·8	036·6	036·8	037·2	037·6	038·0	038·3	038·6	038·9	039·3	039·5	037·5
20	039·6	039·5	039·6	039·8	039·8	039·9	040·0	040·4	040·9	041·3	041·6	041·7	041·6	041·1	040·9	041·1	041·4	041·7	041·9	042·3	042·1	042·0	041·9	042·2	041·0
21	042·2	041·9	041·8	041·9	042·0	042·0	042·2	042·4	042·7	042·9	043·3	043·1	042·7	042·4	042·2	041·8	041·7	041·8	042·0	042·3	042·3	042·2	042·2	042·0	042·3
22	041·7	041·4	041·3	041·4	041·3	041·0	040·9	041·0	041·1	041·2	040·8	040·6	040·1	039·6	039·6	039·5	039·4	039·6	039·8	039·8	039·7	039·8	039·9	039·8	040·5
23	039·5	039·3	039·2	038·8	038·6	038·4	038·6	038·9	039·0	039·1	039·3	039·4	038·9	038·2	038·0	038·1	038·1	038·5	038·6	038·2	038·1	037·8	037·5	037·1	038·6
24	036·5	036·1	035·8	034·5	033·9	033·1	032·6	032·0	031·2	030·8	031·1	029·7	028·8	027·5	026·7	025·7	024·7	023·7	022·5	021·1	019·7	018·5	017·5	015·7	028·3
25	014·6	013·4	012·3	011·6	010·5	009·5	008·8	007·8	007·3	006·5	006·1	004·8	003·9	003·3	004·4	004·2	004·3	004·7	005·9	006·2	007·0	008·1	009·1	009·9	007·8
26	010·6	011·4	011·9	012·8	013·3	013·9	014·9	016·3	017·5	018·7	019·8	020·0	020·4	020·7	021·3	022·2	023·0	023·6	024·0	024·4	025·3	025·7	026·2	026·4	019·0
27	026·8	026·9	026·9	027·1	027·3	027·1	027·6	028·4	029·0	029·6	029·7	029·9	029·9	029·7	029·9	030·1	030·5	030·7	030·8	030·9	030·7	030·2	030·2	030·3	029·1
28	030·0	029·5	029·4	029·2	028·7	028·1	028·2	028·1	028·3	028·4	028·3	028·1	027·4	027·1	027·0	027·3	027·5	027·7	027·9	028·1	028·0	027·9	027·9	027·6	028·2
29	027·4	027·3	027·1	026·7	026·6	026·7	026·8	026·6	026·9	027·1	027·0	026·8	026·8	026·7	026·7	027·1	027·2	026·9	027·1	026·8	026·9	026·9	026·8	026·6	026·9
30	026·2	026·0	025·7	025·3	024·7	024·4	024·2	024·2	024·0	023·8	023·5	022·9	022·5	021·9	021·8	021·8	021·8	022·2	022·8	023·6	023·5	023·8	024·3	024·8	023·8
31	025·2	025·0	025·2	025·4	025·7	026·1	026·1	026·6	027·2	027·7	028·1	028·0	028·4	027·8	027·4	027·6	027·7	027·7	027·6	027·6	027·1	026·8	026·6	026·2	026·8
Mean (Station Level)	1028·44	1028·25	1028·23	1028·10	1027·99	1027·81	1027·85	1028·03	1028·36	1028·59	1028·87	1028·65	1028·35	1028·03	1027·98	1028·10	1028·26	1028·44	1028·60	1028·70	1028·73	1028·73	1028·78	1028·73	1028·35
Mean (Sea Level)	1030·16	1029·97	1029·95	1029·82	1029·71	1029·53	1029·57	1029·75	1030·08	1030·31	1030·58	1030·36	1030·06	1029·74	1029·69	1029·81	1029·97	1030·15	1030·31	1030·41	1030·44	1030·45	1030·50	1030·45	1030·07

344. VALENTIA OBSERVATORY: H_b = 13·7 metres — FEBRUARY, 1935

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	025·0	024·8	024·4	024·1	023·3	023·1	022·6	022·6	022·6	022·4	021·9	021·7	021·0	020·3	019·4	018·9	018·7	018·2	017·8	017·5	017·2	016·9	016·6	016·5	020·9
2	015·8	015·6	015·3	015·2	015·0	015·2	015·3	015·6	016·0	017·0	017·9	018·4	018·5	018·7	018·8	019·1	019·6	020·2	020·6	020·5	021·0	020·9	020·7	020·4	017·9
3	020·2	020·1	020·1	019·8	019·4	019·0	018·7	018·7	018·7	018·7	018·6	018·5	018·2	017·8	017·3	017·1	016·8	016·6	016·7	016·6	016·2	016·0	015·8	015·7	018·1
4	015·4	014·8	014·6	014·3	014·2	013·8	013·8	014·1	014·4	014·6	014·5	014·7	014·5	014·0	013·8	014·4	014·9	015·2	016·1	016·9	017·0	017·1	017·6	017·8	015·1
5	018·0	017·8	017·9	017·8	017·7	018·0	017·8	017·7	017·7	017·5	017·4	016·7	015·5	014·1	012·5	011·0	010·6	010·8	011·0	011·1	012·2	013·5	014·5	015·4	015·2
6	016·2	017·0	017·3	018·0	018·6	019·3	020·4	021·8	022·6	023·1	023·9	023·4	024·6	024·3	025·3	025·7	026·5	027·2	027·3	027·8	028·1	028·3	028·6	028·9	023·2
7	029·2	029·4	029·6	029·6	029·7	029·5	029·8	029·9	029·9	030·1	030·3	030·0	029·4	029·2	028·9	029·0	029·3	029·4	029·3	029·3	029·3	029·1	028·9	029·0	029·5
8	028·9	028·6	028·5	028·3	027·9	028·0	027·9	028·1	028·0	027·9	027·7	027·7	027·2	026·8	026·4	026·2	026·0	026·1	026·0	025·9	026·0	025·9	025·8	025·7	027·2
9	025·8	025·5	025·4	025·0	024·8	024·9	025·2	025·5	025·9	025·9	025·6	025·5	025·2	025·0	024·8	024·7	024·6	024·7	025·0	025·4	025·5	025·2	025·1	024·7	025·2
10	024·7	024·8	024·6	024·2	024·2	024·0	023·9	023·7	024·0	023·7	023·8	023·7	023·4	023·0	022·6	022·5	022·3	022·4	022·6	022·6	022·5	022·4	022·2	022·0	023·4
11	021·6	020·9	020·3	019·6	019·2	018·5	017·8	017·6	016·9	016·8	016·5	016·1	015·4	014·2	013·2	012·4	011·9	011·6	011·5	011·2	010·9	011·1	010·9	010·9	015·5
12	011·1	011·3	011·4	011·4	011·5	011·9	011·9	012·0	012·3	012·2	012·0	011·8	011·2	010·2	008·9	008·2	007·5	006·7	005·9	005·2	004·5	003·9	003·3	003·4	009·3
13	003·2	002·5	001·5	999·6	999·3	999·6	999·9	000·6	001·1	001·3	001·6	001·9	001·6	001·4	001·6	001·8	002·3	003·0	003·4	004·0	004·2	004·9	005·5	005·8	002·1
14	006·1	006·9	007·3	007·5	008·4	009·2	010·1	011·1	012·2	013·0	013·9	014·2	014·4	014·3	014·5	014·9	015·4	015·7	016·3	016·2	015·8	015·4	015·1	014·2	012·4
15	013·1	011·7	009·8	007·8	007·0	007·0	006·9	007·0	007·2	007·1	006·9	006·6	006·3	006·2	006·1	006·3	006·5	006·6	006·9	006·3	006·1	006·2	006·3	006·1	007·4
16	006·0	005·4	004·7	003·6	002·7	001·5	000·3	998·9	997·9	998·3	998·1	998·0	998·2	998·3	998·7	001·9	004·5	008·2	010·8	012·7	014·4	015·4	016·5	017·4	004·4
17	018·0	018·4	019·0	019·3	019·4	019·6	020·0	020·3	020·7	020·8	020·9	020·7	020·2	020·0	019·9	019·5	019·2	019·0	018·9	018·5	018·4	017·8	017·2	016·3	019·3
18	016·0	014·7	014·3	012·7	012·4	011·9	011·3	011·4	011·1	010·4	009·7	009·2	008·4	007·2	006·1	005·3	004·9	004·6	004·3	003·8	003·4	002·8	002·1	001·1	008·6
19	000·3	999·6	999·0	998·2	998·9	999·4	999·6	000·4	001·6	002·2	002·5	002·2	001·2	000·3	999·4	999·2	998·3	997·6	996·2	995·9	993·8	992·7	991·0	989·4	998·5
20	988·0	986·3	985·2	983·7	983·3	982·8	982·7	982·8	982·8	982·8	982·5	982·6	982·4	981·9	981·5	982·1	982·0	982·4	982·4	982·3	982·5	982·9	983·0	983·3	983·2
21	983·7	984·4	984·6	984·7	984·9	985·2	985·0	986·2	987·4	988·7	988·9	988·5	988·1	987·8	987·1	986·0	984·0	982·4	981·1	979·7	978·6	977·7	977·7	978·5	984·3
22	979·4	980·4	981·3	982·0	983·2	983·9	984·2	985·2	985·0	984·7	984·3	983·8	983·1	981·8	980·4	979·5	979·1	978·8	978·9	979·4	979·7	980·5	980·5	980·7	981·6
23	980·8	980·6	980·7	980·5	980·4	980·5	980·3	980·8	981·7	982·1	982·5	982·6	982·8	982·9	983·0	983·3	983·4	983·7	984·0	984·6	984·8	985·1	985·2	985·3	982·5
24	985·3	984·7	984·0	983·0	982·6	981·8	980·6	978·7	977·4	975·5	973·4	971·7	969·4	967·0	965·3	964·2	963·5	963·1	963·3	963·7	964·1	964·6	965·1	965·8	972·8
25	966·6	967·5	967·9	969·1	969·8	972·3	974·0	977·0	979·4	981·5	983·5	985·2	986·9	988·0	989·1	990·8	992·1	993·4	994·5	996·4	997·4	998·7	999·6	000·5	983·5
26	001·5	001·0	001·4	001·4	001·4	001·3	000·7	000·3	000·1	999·2	997·6	996·1	994·8	992·5	990·3	988·2	985·7	983·4	981·3	981·1	980·6	981·2	980·8	979·9	993·0
27	979·1	978·6	978·0	977·2	976·4	975·9	975·6	975·4	975·4	975·1	975·5	976·3	977·0	977·4	977·9	977·5	977·2	977·7	977·9	978·1	978·9	979·7	980·2	980·3	977·4
28	980·6	980·6	980·4	980·4	980·4	980·5	980·7	981·1	981·6	982·3	981·8	982·2	982·3	983·1	982·8	983·2	983·9	984·6	985·7	986·8	987·8	988·2	989·2	990·0	983·1
Mean (Station Level)	1005·70	1005·50	1005·30	1004·93	1004·86	1004·91	1004·89	1005·16	1005·41	1005·53	1005·49	1005·36	1005·04	1004·56	1004·13	1004·03	1003·95	1004·05	1004·13	1004·27	1004·32	1004·43	1004·46	1004·46	1004·81
Mean (Sea Level)	1007·38	1007·18	1006·98	1006·61	1006·54	1006·59	1006·57	1006·84	1007·09	1007·20	1007·16	1007·02	1006·70	1006·22	1005·79	1005·69	1005·61	1005·72	1005·80	1005·94	1005·99	1006·11	1006·14	1006·14	1006·48
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, 1935

Station Level (hours 1 to Noon, G. M. T.)

Day	1	2	3	4	5	6	7	8	9	10	11	Noon
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	990·7	990·7	990·2	989·9	989·5	988·1	986·0	983·8	981·8	979·5	978·9	979·3
2	002·6	003·6	004·5	005·4	006·3	007·4	008·1	008·8	009·6	010·1	010·5	010·9
3	010·3	010·8	011·7	012·8	014·0	014·8	015·8	017·0	017·8	018·9	019·8	020·4
4	025·3	025·2	025·0	025·0	024·8	025·0	025·2	025·2	025·0	024·7	024·8	024·9
5	025·1	025·1	025·2	025·1	025·3	025·8	026·6	026·9	027·0	027·4	027·5	028·0
6	030·5	030·7	030·7	030·6	030·6	030·7	030·8	031·1	031·1	031·3	031·6	031·7
7	030·8	030·5	029·7	029·1	029·0	028·9	028·9	029·3	029·7	029·7	030·0	029·9
8	031·1	031·1	030·7	030·1	030·4	030·8	030·9	031·0	031·3	031·4	031·4	031·2
9	031·2	031·1	030·9	030·6	031·0	031·4	031·8	031·9	031·9	031·7	031·8	031·6
10	026·8	026·5	026·1	025·7	025·8	025·8	026·0	026·1	026·4	026·4	026·5	026·2
11	027·2	027·2	027·2	027·3	027·6	027·5	027·4	028·1	028·1	028·7	029·0	028·9
12	032·6	032·8	032·5	032·5	032·6	032·8	032·9	033·0	032·7	032·7	032·4	032·2
13	026·3	026·1	025·4	024·8	024·0	023·7	023·5	023·6	023·5	023·4	023·0	022·9
14	019·8	019·6	018·9	018·1	017·8	017·3	017·1	017·0	016·5	016·3	015·8	015·3
15	008·3	007·6	006·4	005·4	005·1	004·1	004·0	003·7	003·4	002·6	001·1	000·3
16	990·7	990·3	990·0	990·0	989·9	990·2	990·5	991·2	991·5	992·1	992·4	992·3
17	002·2	002·9	003·5	004·2	005·3	006·1	007·2	007·9	008·9	009·3	010·0	010·6
18	010·4	010·0	009·2	008·8	008·7	008·5	008·3	008·4	008·4	008·3	008·2	008·0
19	004·8	004·4	004·4	004·1	003·7	003·3	003·2	003·4	003·6	003·2	003·1	002·9
20	009·0	009·3	009·3	009·3	009·7	010·4	011·0	011·7	012·3	012·6	012·8	013·0
21	013·1	012·7	012·4	011·8	011·9	011·9	011·6	011·6	011·3	011·4	011·1	010·7
22	007·1	006·5	005·9	005·0	004·4	004·1	003·7	003·3	003·3	003·5	003·5	003·7
23	010·3	010·7	010·2	009·5	009·2	008·5	008·8	008·9	009·0	009·0	009·2	009·8
24	017·7	017·9	018·4	018·9	019·4	019·6	020·0	020·3	020·7	020·9	021·3	021·8
25	023·6	023·7	023·6	023·5	023·6	023·6	023·7	023·8	024·1	024·3	024·6	024·9
26	025·9	026·0	025·9	025·9	025·8	025·9	026·0	026·2	026·5	026·6	026·6	026·7
27	026·4	026·1	025·6	025·4	025·5	025·7	026·1	026·4	026·6	027·0	027·4	027·4
28	028·7	028·8	029·2	029·0	028·5	028·2	027·7	028·2	029·1	029·4	029·9	029·7
29	029·5	029·3	029·1	029·1	029·2	029·2	029·3	029·7	030·1	030·2	030·3	030·5
30	029·2	029·0	028·8	028·4	027·6	027·4	027·4	027·2	027·1	027·0	026·7	026·0
31	021·6	020·9	020·1	019·9	019·9	019·7	019·8	019·9	020·0	020·0	020·0	020·1
Mean (Station Level)	1018·35	1018·29	1018·09	1017·91	1017·94	1017·95	1018·04	1018·21	1018·33	1018·37	1018·43	1018·45
Mean (Sea Level)	1020·04	1019·98	1019·78	1019·60	1019·63	1019·64	1019·73	1019·90	1020·02	1020·05	1020·11	1020·13

Station Level (hours 13 to 24 and Mean, G. M. T.)

Day	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
1	979·8	980·0	980·2	982·0	984·7	988·6	991·8	994·3	996·4	998·2	999·9	001·4	987·5
2	010·9	011·0	011·1	011·0	010·9	010·6	010·6	010·7	010·4	010·3	009·9	010·3	008·8
3	021·2	021·5	021·9	022·6	023·0	023·3	023·9	024·3	024·6	025·0	025·1	025·2	019·1
4	024·8	024·5	024·1	023·8	024·0	023·9	024·3	024·4	024·3	024·5	024·8	024·9	024·7
5	028·3	028·2	028·4	028·6	028·7	029·1	029·5	029·8	030·1	030·3	030·2	030·4	027·7
6	031·6	031·5	031·2	031·1	031·1	031·3	031·3	031·4	031·5	031·5	031·2	031·0	031·1
7	029·6	029·2	029·5	029·3	029·2	029·5	030·0	030·4	030·8	031·1	031·0	031·0	029·8
8	031·3	031·3	031·0	030·8	030·6	030·8	030·9	031·0	031·1	031·3	031·2	031·1	031·0
9	031·0	030·4	029·8	029·2	028·6	028·4	028·5	028·2	027·9	027·8	027·6	027·0	030·1
10	025·9	025·8	025·4	025·6	026·0	026·5	026·9	027·4	027·3	027·1	026·8	027·1	026·3
11	029·0	029·0	028·9	029·1	029·1	030·0	030·8	031·5	032·1	032·8	033·0	033·0	029·1
12	031·9	031·0	030·4	030·1	029·7	029·7	029·4	029·4	028·8	028·2	027·4	027·0	031·2
13	022·8	022·1	021·3	020·7	020·8	020·8	020·7	020·5	020·6	020·3	020·1	020·1	022·7
14	014·3	013·7	013·0	012·6	012·3	012·0	011·8	011·2	010·6	010·1	009·6	008·8	014·8
15	999·6	998·3	997·3	996·4	995·4	994·8	994·1	993·3	993·1	992·0	991·5	991·0	999·9
16	992·5	992·3	992·5	992·8	994·2	995·5	996·8	997·9	998·4	999·4	000·4	001·3	993·3
17	010·8	011·0	011·2	011·1	011·0	011·2	011·3	011·2	011·1	011·4	011·3	010·5	008·6
18	007·5	007·1	007·0	006·1	006·1	005·9	005·9	005·7	005·6	005·4	005·2	004·8	007·5
19	003·0	002·9	003·3	003·6	004·1	004·4	005·3	006·0	006·9	007·6	007·9	008·4	004·4
20	013·0	012·6	012·6	012·7	012·8	013·1	013·2	013·5	013·7	013·7	013·5	013·3	011·9
21	010·2	009·5	009·2	009·4	009·1	009·0	009·0	008·9	008·7	008·4	008·1	007·7	010·5
22	003·7	004·0	004·8	005·2	006·0	006·6	007·5	008·3	009·1	009·6	010·1	010·2	005·7
23	010·2	010·5	010·8	011·4	012·3	013·1	013·7	014·7	015·3	015·9	016·6	017·4	011·3
24	022·4	022·5	022·4	022·8	022·9	023·1	023·4	023·3	023·4	023·5	023·6	023·7	021·3
25	025·2	025·3	025·4	025·4	025·2	025·3	025·4	025·8	025·9	026·0	026·1	026·0	024·7
26	026·7	026·5	026·5	026·2	026·0	026·1	025·9	026·1	026·2	026·3	026·1	026·2	026·2
27	027·5	027·4	027·2	026·9	027·1	027·3	027·4	027·6	028·2	028·6	028·7	028·6	027·0
28	029·5	028·8	028·5	028·0	028·2	028·0	028·2	029·0	029·5	029·8	029·8	029·7	028·9
29	030·4	030·3	030·2	030·1	030·0	030·0	029·9	030·0	029·9	029·9	029·7	029·5	029·8
30	025·6	025·1	024·4	024·1	023·8	023·6	023·1	022·8	022·7	022·7	022·5	022·1	025·7
31	020·1	020·0	020·2	020·1	020·0	020·1	020·2	020·5	020·6	020·8	020·6	020·5	020·3
Mean (Station Level)	1018·40	1018·17	1018·05	1018·03	1018·16	1018·44	1018·73	1019·00	1019·19	1019·34	1019·34	1019·33	1018·42
Mean (Sea Level)	1020·08	1019·85	1019·73	1019·71	1019·84	1020·12	1020·41	1020·68	1020·87	1021·03	1021·03	1021·02	1020·10

346. VALENTIA OBSERVATORY: H_b = 13·7 metres — APRIL, 1935

Station Level (hours 1 to Noon, G. M. T.)

Day	1	2	3	4	5	6	7	8	9	10	11	Noon
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	020·6	020·1	019·9	019·9	020·0	020·5	020·8	021·4	021·5	021·8	022·0	022·2
2	024·1	024·2	024·3	024·5	024·7	025·0	025·2	025·3	025·7	025·7	025·9	026·1
3	025·5	025·4	025·1	024·8	024·9	025·1	025·3	025·5	025·6	025·7	025·7	025·4
4	021·9	021·1	020·4	019·6	019·1	019·0	018·6	018·4	017·8	017·7	017·2	016·7
5	015·9	015·8	015·4	015·0	014·6	014·4	014·0	013·7	013·4	012·8	012·4	012·3
6	012·2	011·8	011·3	010·6	009·9	009·0	008·6	008·3	007·4	006·4	005·1	004·0
7	999·6	999·5	999·4	999·3	999·2	999·1	999·2	999·4	999·2	999·0	998·7	998·5
8	998·6	998·5	998·4	998·5	998·3	998·3	999·0	999·6	999·9	000·0	999·8	999·1
9	989·5	989·4	989·2	989·3	989·6	989·9	990·3	991·0	991·6	991·9	992·4	992·6
10	980·2	980·6	980·6	981·0	980·8	980·4	980·8	981·8	982·6	983·2	984·0	984·1
11	996·6	997·8	998·8	999·8	001·1	002·1	003·1	004·1	004·9	005·9	006·7	007·0
12	005·6	004·9	004·3	004·0	003·9	004·1	004·5	005·0	005·3	005·8	006·4	006·8
13	006·6	006·4	005·8	005·4	005·3	005·3	005·5	005·5	005·5	005·4	005·3	005·3
14	998·6	997·8	996·5	995·6	995·0	994·6	995·0	996·0	997·4	998·9	001·5	003·2
15	009·4	009·4	009·2	009·0	009·0	008·7	008·7	008·5	008·0	007·8	007·3	006·4
16	999·1	998·4	997·7	996·9	996·2	994·9	994·2	993·3	992·3	991·9	990·2	988·9
17	996·9	996·2	996·3	996·6	996·7	997·5	997·5	998·0	998·7	999·3	000·6	001·6
18	005·0	004·3	003·5	002·3	000·6	999·3	998·7	998·2	997·9	997·9	998·1	998·0
19	997·9	998·4	998·5	998·6	998·8	999·1	999·2	999·4	999·6	999·6	999·6	999·3
20	995·3	995·0	994·6	994·3	994·1	994·0	993·9	993·9	993·8	993·5	993·4	993·3
21	991·6	991·3	991·2	991·2	991·1	991·1	991·2	991·4	991·5	991·9	992·2	992·3
22	998·4	998·5	998·8	999·0	999·5	000·3	000·8	001·4	002·1	002·7	003·0	003·1
23	013·9	014·1	014·9	015·5	016·1	016·9	017·8	018·1	018·7	019·2	019·3	019·5
24	023·9	023·9	023·7	023·7	023·6	023·9	024·3	024·3	024·1	024·1	023·9	023·8
25	023·3	023·1	022·9	022·8	022·8	022·8	022·8	022·9	022·8	022·3	022·2	021·9
26	022·0	021·7	021·6	021·3	020·9	020·9	021·1	020·9	020·7	020·8	020·8	020·6
27	022·6	022·6	022·5	022·4	022·5	022·7	023·1	023·3	023·3	023·3	023·4	023·3
28	026·2	026·3	026·3	026·1	026·2	026·4	026·4	026·5	026·7	026·8	027·0	027·2
29	027·5	026·8	026·7	026·6	026·3	026·3	026·1	026·3	026·3	026·3	026·1	025·9
30	022·0	021·4	020·7	020·0	019·7	019·5	019·5	019·1	018·9	018·8	018·9	018·5
Mean (Station Level)	1009·02	1008·82	1008·62	1008·45	1008·35	1008·37	1008·51	1008·68	1008·77	1008·88	1008·97	1008·90
Mean (Sea Level)	1010·70	1010·50	1010·30	1010·13	1010·03	1010·06	1010·19	1010·35	1010·44	1010·55	1010·63	1010·56
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon

Station Level (hours 13 to 24 and Mean, G. M. T.)

Day	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
1	022·5	022·4	022·4	022·4	022·4	022·6	023·0	023·4	024·0	024·1	024·0	023·9	021·9
2	026·0	025·8	025·5	025·3	025·2	025·4	025·5	025·5	025·5	025·6	025·5	025·5	025·3
3	025·1	024·9	024·6	024·3	024·2	024·2	024·0	024·0	024·0	023·4	023·1	022·4	024·7
4	016·3	015·9	015·4	014·7	014·7	014·9	015·3	015·8	016·2	016·2	016·2	016·1	017·4
5	011·8	012·5	012·7	012·6	012·5	012·6	012·6	012·7	012·8	012·8	012·6	012·6	013·4
6	002·8	000·5	998·7	997·2	997·3	996·9	997·2	997·7	998·2	998·8	999·1	999·5	004·0
7	998·1	997·5	997·6	997·6	997·9	998·2	998·6	998·8	999·3	999·2	999·2	998·9	998·8
8	998·4	997·4	996·3	995·0	993·2	989·8	988·3	987·7	988·3	989·2	989·4	989·6	995·6
9	992·5	991·8	990·8	989·5	987·7	985·6	983·8	982·3	980·6	979·6	978·3	978·8	988·1
10	984·3	985·0	985·2	985·5	985·8	986·3	987·1	988·2	989·9	991·7	993·6	995·3	984·6
11	007·3	007·6	007·5	007·2	006·8	006·6	006·4	006·8	006·9	006·3	005·5	005·5	004·3
12	006·9	006·3	006·7	006·7	007·1	007·0	007·3	007·4	006·8	006·3	006·7	006·5	005·9
13	004·9	004·5	004·1	003·6	003·2	002·7	002·4	002·2	001·3	000·7	000·1	999·5	004·2
14	004·3	005·1	005·8	006·4	006·9	007·6	007·8	008·6	008·9	009·2	009·4	009·5	002·3
15	005·9	005·0	004·3	003·4	002·9	001·8	001·5	001·3	000·9	000·6	000·3	999·7	005·6
16	988·1	987·0	985·8	984·9	985·7	987·7	990·4	993·2	994·9	995·9	996·7	996·8	992·6
17	002·6	003·4	004·1	004·4	004·7	005·2	005·5	005·8	005·9	005·8	005·7	005·3	001·3
18	997·6	997·3	996·9	996·4	996·4	996·4	996·7	996·9	996·9	997·1	997·3	997·6	998·8
19	998·9	998·1	997·7	997·1	996·7	996·8	996·7	996·6	996·5	996·1	995·9	995·5	998·0
20	993·1	992·9	992·6	992·2	992·1	991·9	991·9	992·1	992·1	992·0	991·9	991·7	993·2
21	992·6	993·0	993·4	993·5	994·0	994·8	995·1	996·0	996·6	997·3	997·6	998·0	993·2
22	003·4	004·0	005·1	005·5	006·5	007·4	008·5	009·8	010·9	011·6	012·3	013·0	004·1
23	019·8	020·2	020·5	020·7	020·9	021·2	021·8	022·3	022·6	022·9	023·3	023·6	019·1
24	023·8	023·3	023·0	022·9	023·0	022·9	023·1	023·2	023·4	023·5	023·4	023·3	023·6
25	021·9	021·6	021·3	021·4	021·3	021·4	021·7	022·0	022·1	022·0	022·1	022·1	022·2
26	020·5	020·3	020·2	019·8	020·0	020·3	020·6	021·1	021·8	022·1	022·4	022·6	021·0
27	023·6	023·7	023·7	023·8	024·1	024·5	024·9	025·3	025·8	026·0	026·2	026·4	023·8
28	027·0	026·9	026·8	026·8	026·9	027·0	026·9	027·0	027·5	027·6	027·8	027·6	026·8
29	025·7	025·1	024·9	024·4	024·1	023·9	023·7	023·5	023·6	023·4	023·1	022·3	025·3
30	018·2	018·0	017·5	017·2	016·7	016·3	016·1	016·1	016·2	015·9	015·7	015·5	018·3
Mean (Station Level)	1008·80	1008·59	1008·37	1008·08	1008·03	1008·00	1008·15	1008·44	1008·68	1008·76	1008·81	1008·82	1008·58
Mean (Sea Level)	1010·46	1010·25	1010·03	1009·74	1009·69	1009·67	1009·82	1010·11	1010·35	1010·43	1010·48	1010·50	1010·25
Hour G. M. T.	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, 1935

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	015·2	014·7	014·6	014·3	014·0	014·0	014·0	014·2	014·1	014·0	014·2	014·1	013·8	013·6	013·4	013·1	012·9	012·7	012·5	012·3	012·5	012·5	012·4	012·4	013·6
2	012·5	011·7	011·2	011·3	011·2	011·2	011·2	011·3	011·1	011·1	011·0	010·8	010·6	010·3	010·0	009·5	009·2	008·9	008·7	008·6	008·7	008·3	008·0	007·5	010·3
3	007·1	006·5	005·7	005·5	005·1	005·1	005·1	005·2	005·2	005·4	005·6	005·7	005·5	005·4	005·8	005·7	005·8	006·1	006·5	006·9	007·3	007·4	007·6	007·3	006·0
4	007·5	007·6	007·5	007·7	007·9	008·3	008·5	008·7	009·0	009·2	009·3	009·3	009·5	009·7	010·0	010·4	010·8	011·4	012·1	012·5	012·7	013·1	013·8	014·4	009·9
5	014·7	014·9	015·3	015·7	015·9	016·5	017·2	017·7	018·2	018·6	019·1	019·5	019·9	020·2	020·9	021·2	021·5	022·1	022·5	022·8	023·8	024·4	024·8	025·1	019·5
6	025·3	025·6	025·9	026·1	026·4	026·7	027·3	028·1	028·3	028·7	029·0	029·4	029·2	029·3	029·7	029·8	029·9	029·8	030·2	030·5	030·7	031·4	031·3	031·4	028·6
7	031·2	030·8	030·8	030·8	031·0	030·9	031·0	031·4	031·4	031·4	031·3	031·1	030·9	030·7	030·4	030·3	030·0	029·8	029·5	029·5	029·7	029·7	029·7	029·6	030·6
8	029·5	029·5	029·4	029·2	029·2	029·5	029·7	029·8	029·9	029·8	029·5	029·0	028·5	027·9	028·1	028·2	027·9	028·1	028·4	028·6	029·2	029·4	029·3	029·1	029·1
9	029·0	028·5	028·0	028·0	027·6	027·5	027·1	026·8	026·3	026·1	025·3	024·9	024·4	023·8	023·5	023·1	022·8	023·1	023·3	023·6	024·0	024·3	024·4	024·3	025·5
10	024·0	023·7	023·4	023·1	022·6	022·1	022·0	021·7	020·9	021·1	020·6	020·1	019·6	019·7	019·4	019·1	019·1	019·3	019·5	020·0	020·6	020·6	020·7	020·6	021·1
11	020·3	020·1	020·2	020·0	019·8	020·0	019·8	020·0	020·1	020·3	020·4	020·1	019·8	019·6	019·5	019·4	019·8	020·1	020·6	020·8	021·2	021·4	021·6	021·6	020·3
12	021·6	021·4	021·3	021·1	021·2	021·3	021·3	021·3	021·3	021·1	020·7	020·5	020·2	020·2	020·2	020·4	020·4	020·5	020·7	021·0	021·5	021·9	022·4	022·5	021·1
13	022·5	022·4	022·4	022·5	022·6	022·8	022·9	023·3	023·2	023·2	023·3	023·3	023·3	023·3	023·2	023·1	023·1	023·1	022·9	022·9	023·2	023·1	022·9	022·8	023·0
14	022·5	022·2	022·0	021·7	021·8	021·9	022·1	022·1	022·2	022·6	023·3	023·8	024·3	024·5	024·9	025·2	025·4	025·9	026·7	027·3	027·9	028·5	028·7	028·8	024·3
15	028·6	028·3	028·2	027·8	027·3	027·2	027·0	026·5	026·1	025·8	025·4	024·9	024·2	023·7	023·0	022·1	022·0	022·4	022·8	023·1	023·7	024·2	024·8	026·0	025·3
16	026·6	026·6	026·7	026·7	026·8	027·2	027·4	027·4	027·4	027·4	027·1	026·8	026·5	025·9	025·5	025·1	024·7	024·3	023·9	023·6	023·0	022·1	021·4	020·0	025·5
17	018·8	017·6	016·1	014·7	013·7	013·0	012·9	013·6	014·5	014·8	015·3	015·6	016·5	016·6	016·9	017·5	017·6	017·8	018·0	018·5	019·3	020·2	020·4	020·3	016·7
18	020·6	020·4	020·5	020·6	020·6	020·8	020·9	020·9	020·9	020·9	021·0	020·7	020·5	020·2	019·7	019·3	018·8	018·6	018·4	018·0	017·7	017·3	016·5	016·1	019·7
19	015·4	014·6	014·1	013·4	012·9	012·6	012·2	012·0	011·9	011·6	011·3	010·9	010·4	010·1	009·7	009·6	009·4	009·3	009·3	009·4	009·7	009·7	009·7	009·6	011·3
20	009·3	009·1	008·7	008·5	008·3	008·2	008·4	008·7	009·1	009·3	009·9	010·1	010·5	010·9	011·3	011·6	012·0	012·4	013·2	014·2	015·3	016·2	016·5	016·9	011·0
21	017·2	017·7	018·3	018·9	019·4	020·2	020·7	021·3	021·6	021·8	022·3	022·5	022·7	022·7	022·6	022·9	023·0	023·2	023·9	024·7	025·4	025·8	025·9	025·8	021·9
22	025·8	025·7	026·0	026·2	026·4	026·7	026·7	026·5	026·4	026·2	025·6	025·5	025·1	024·7	024·2	023·6	023·3	022·8	022·5	022·1	022·2	021·9	021·7	021·4	024·6
23	021·3	021·0	020·7	020·5	019·9	020·2	020·5	020·5	020·3	020·1	019·6	020·0	019·6	019·4	019·2	018·8	018·6	018·9	018·9	019·4	020·1	020·6	020·7	020·4	020·0
24	020·4	020·2	020·2	020·2	020·3	020·6	020·8	020·9	020·9	021·1	021·0	021·0	020·9	020·8	020·6	020·4	020·5	020·5	020·7	020·7	020·9	021·1	020·9	020·9	020·7
25	020·9	020·9	020·6	020·4	020·3	020·5	020·4	020·5	020·5	020·2	020·1	019·6	019·4	019·2	019·1	018·7	018·2	018·1	018·2	018·4	018·8	018·9	018·9	018·9	019·6
26	018·8	018·6	018·7	018·5	018·5	018·4	018·5	018·5	018·4	018·4	018·6	018·6	018·7	018·7	018·8	018·7	018·7	018·8	019·2	019·5	019·8	019·7	019·7	019·5	018·8
27	019·4	019·4	019·3	019·0	019·1	019·2	019·1	019·1	019·2	018·8	018·5	018·1	018·0	017·8	017·7	017·4	017·0	016·6	016·6	016·5	016·7	016·8	016·7	016·2	018·1
28	015·6	015·1	014·8	014·8	014·8	014·9	015·1	015·0	015·0	014·9	014·9	014·9	015·0	014·8	014·7	014·7	014·6	014·4	014·3	014·6	014·8	014·9	014·8	014·5	014·9
29	014·1	013·7	013·4	013·2	013·1	013·2	013·1	013·2	013·2	012·8	012·7	012·3	011·9	011·8	011·6	011·3	011·2	011·1	011·0	011·0	011·4	011·6	011·4	011·4	012·3
30	011·1	010·9	010·7	010·4	010·4	010·4	010·3	010·4	010·4	010·4	010·5	010·6	010·6	010·5	010·6	010·6	010·6	010·6	010·7	010·7	011·0	010·9	010·9	010·9	010·6
31	010·7	010·6	010·5	010·4	010·4	010·1	010·4	010·6	010·6	010·6	010·8	010·7	010·8	010·7	010·7	010·6	010·3	010·1	010·0	010·3	010·3	010·4	010·3	009·4	010·5
Mean (Station Level)	1019·27	1019·03	1018·88	1018·75	1018·66	1018·75	1018·83	1018·94	1018·95	1018·96	1018·94	1018·85	1018·73	1018·60	1018·55	1018·43	1018·36	1018·41	1018·57	1018·77	1019·13	1019·30	1019·32	1019·21	1018·85
Mean (Sea Level)	1020·95	1020·71	1020·56	1020·43	1020·34	1020·43	1020·51	1020·61	1020·61	1020·62	1020·59	1020·50	1020·38	1020·25	1020·20	1020·08	1020·01	1020·07	1020·23	1020·44	1020·80	1020·97	1021·00	1020·89	1020·52

348. VALENTIA OBSERVATORY: H_b = 13·7 metres — JUNE, 1935

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	009·1	008·6	007·7	007·1	006·6	005·9	005·5	005·1	004·7	004·3	003·8	003·4	002·9	002·5	001·8	001·0	000·6	000·2	999·5	999·0	998·9	998·7	998·1	997·6	003·3
2	997·5	997·5	997·4	997·5	997·5	997·6	997·5	997·6	997·6	997·6	997·5	997·4	997·4	997·3	997·2	997·0	996·6	996·6	996·6	996·7	996·6	996·9	996·8	996·6	997·2
3	996·3	995·9	995·6	995·5	995·2	995·3	995·2	995·3	995·3	995·0	995·1	995·1	995·3	995·4	995·6	995·8	995·9	996·1	996·2	996·2	996·4	996·4	996·0	995·8	995·7
4	995·3	995·1	994·3	993·9	993·3	993·0	992·8	992·7	992·7	992·5	992·2	992·1	991·6	991·3	991·3	991·1	991·1	991·0	991·3	991·8	992·5	993·1	993·6	994·1	992·7
5	994·3	994·7	995·0	995·4	996·2	996·7	997·3	998·3	998·8	999·2	999·7	000·0	000·4	000·8	001·3	001·6	001·8	002·1	002·2	002·4	002·6	002·5	002·3	001·7	999·3
6	001·0	000·3	999·1	997·6	996·3	994·9	993·5	993·1	993·2	993·2	993·4	993·8	993·9	993·8	993·9	994·0	993·6	993·0	992·2	991·6	990·7	989·9	989·2	988·2	994·2
7	987·3	986·5	985·8	984·8	984·6	983·9	984·0	984·4	985·0	986·1	987·5	988·8	990·3	992·0	993·9	995·7	997·5	998·8	000·2	001·1	002·3	003·4	004·2	005·1	991·9
8	005·7	006·2	006·6	007·2	008·0	008·9	009·7	010·6	011·4	011·9	012·7	013·3	013·8	014·7	015·2	015·5	015·6	015·6	015·8	015·7	015·8	015·8	015·6	015·3	012·1
9	014·9	014·1	013·3	012·8	012·1	011·6	011·1	010·7	010·6	010·1	009·7	009·1	008·8	008·4	007·9	007·3	006·7	006·4	006·1	005·4	005·0	004·8	004·3	003·8	009·2
10	002·9	002·2	001·2	000·4	999·8	999·3	998·7	998·0	997·4	996·9	996·5	995·7	994·9	994·5	994·0	993·2	992·7	992·2	992·2	992·1	992·3	992·5	992·4	992·2	996·3
11	992·0	992·4	993·0	993·5	994·0	994·4	995·2	996·0	996·7	997·6	998·2	998·6	999·4	999·5	999·7	999·8	000·0	000·3	000·3	000·5	000·7	000·8	001·0	000·8	997·5
12	000·8	000·8	000·9	000·9	001·1	001·4	001·7	001·9	002·2	002·4	002·6	002·7	002·7	002·5	002·5	002·2	002·0	002·0	001·9	001·8	002·0	002·1	002·1	002·0	001·9
13	002·0	002·0	002·1	002·2	002·3	002·3	002·4	002·6	002·6	002·5	002·4	001·9	001·0	000·3	998·7	998·5	998·9	999·3	999·4	999·4	999·8	999·8	999·4	999·0	000·9
14	999·0	998·8	998·5	998·8	999·0	999·4	000·0	000·3	000·8	001·3	001·5	001·9	002·3	002·5	002·4	002·5	002·6	002·6	002·8	003·0	003·2	003·2	003·1	003·2	001·3
15	003·1	003·0	002·9	002·9	003·2	003·5	003·8	004·1	004·4	004·6	004·8	004·9	004·9	005·0	005·1	005·1	005·2	005·3	005·7	006·0	006·3	006·7	006·7	006·6	004·7
16	006·7	006·6	006·4	006·4	006·5	006·7	007·1	007·4	007·7	008·0	008·2	008·5	008·7	008·8	009·0	009·0	009·1	009·3	009·6	009·7	009·9	010·0	009·8	009·8	008·2
17	009·5	009·1	008·8	008·5	008·2	007·9	007·5	007·1	006·5	006·0	005·2	004·5	003·8	003·0	002·5	001·9	001·9	002·1	001·8	001·8	001·9	002·0	002·3	002·6	005·0
18	003·1	003·4	003·3	004·6	005·2	006·3	007·1	007·8	008·5	009·3	010·2	011·0	011·7	012·1	012·5	012·9	013·6	013·7	014·0	014·2	014·5	014·5	014·4	014·1	009·9
19	013·8	013·1	011·9	012·0	012·3	012·1	011·7	011·3	011·4	011·3	011·7	011·3	010·7	010·2	010·4	010·5	010·4	010·2	010·4	010·0	009·8	009·0	008·0	007·5	011·0
20	006·5	005·1	004·8	004·9	005·5	006·1	006·7	007·2	007·5	007·9	008·4	008·6	008·5	008·6	008·5	008·4	008·2	008·1	007·2	006·5	005·8	004·9	003·5	002·9	006·8
21	002·8	002·5	002·7	003·4	005·1	005·8	006·9	007·7	008·2	008·6	008·9	009·5	009·7	010·1	010·0	009·8	009·6	009·5	009·5	009·6	009·3	009·1	008·8	008·5	007·6
22	008·3	008·2	007·6	007·5	007·6	007·9	008·1	008·5	008·9	009·3	010·1	011·7	011·9	013·0	013·8	014·4	015·0	015·7	016·3	016·9	017·4	018·0	018·2	018·6	012·0
23	018·7	018·8	019·1	019·0	019·6	019·9	020·6	021·1	021·5	021·9	022·1	022·5	022·4	022·1	022·3	022·2	022·2	022·2	022·5	022·6	023·0	022·9	022·8	022·6	021·4
24	022·4	022·0	021·5	021·2	020·9	020·9	020·9	020·6	020·4	020·0	019·4	018·5	018·6	017·9	018·3	017·9	017·6	017·1	017·0	016·7	016·3	015·8	014·8	014·6	019·0
25	013·8	012·9	012·6	012·0	011·9	011·6	012·1	011·4	011·3	010·9	010·3	009·9	009·4	008·7	008·7	008·4	008·1	007·6	007·7	007·3	007·3	007·1	007·0	006·5	009·9
26	005·7	004·8	004·6	004·6	004·5	004·2	004·3	004·4	004·4	004·3	004·3	004·5	004·7	004·8	004·7	004·8	005·1	005·5	005·8	006·5	007·4	008·0	008·8	009·2	005·4
27	009·8	010·4	010·9	011·6	012·5	013·4	014·0	014·7	015·2	015·6	016·2	016·9	017·3	017·5	017·8	018·1	018·4	018·8	019·2	019·8	020·2	020·1	021·6	021·6	016·1
28	021·9	022·4	022·4	022·9	023·4	023·5	023·9	024·5	025·0	025·1	025·4	025·5	025·6	025·7	025·8	025·6	025·7	025·5	025·4	025·5	025·7	026·0	025·9	026·0	024·7
29	025·1	024·1	023·3	022·7	022·5	022·5	022·4	022·0	021·9	021·9	021·0	020·5	020·3	020·5	020·5	020·3	020·7	020·9	021·1	021·9	022·5	022·6	022·6	022·8	022·0
30	022·8	022·8	022·7	022·6	022·8	022·8	022·8	023·3	023·6	023·4	023·6	023·5	023·6	022·9	022·4	022·4	022·1	022·0	022·1	022·0	021·7	021·7	021·3	021·0	022·6
Mean (Station Level)	1006·40	1006·14	1005·89	1005·81	1005·92	1005·99	1006·15	1006·32	1006·51	1006·62	1006·75	1006·85	1006·88	1006·88	1006·92	1006·90	1006·95	1006·99	1007·07	1007·12	1007·26	1007·31	1007·15	1007·01	1006·65
Mean (Sea Level)	1008·05	1007·79	1007·54	1007·46	1007·57	1007·64	1007·79	1007·96	1008·14	1008·25	1008·38	1008·48	1008·51	1008·51	1008·55	1008·53	1008·58	1008·62	1008·70	1008·75	1008·90	1008·95	1008·80	1008·66	1008·29
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.

349. VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres

JULY, 1935

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	020·4	019·7	018·8	018·4	018·0	017·8	017·5	017·3	016·9	016·5	016·3	015·6	015·4	014·9	014·7	014·2	013·9	013·8	014·0	013·9	014·0	014·0	013·9	013·8	016·1
2	013·8	013·7	013·5	013·6	013·9	014·2	014·5	014·9	015·4	015·7	016·1	016·5	017·1	017·6	018·0	018·2	018·8	019·2	019·7	020·3	021·2	021·6	021·8	022·1	017·0
3	022·2	022·3	022·5	022·7	022·8	022·9	023·4	023·5	023·8	023·7	023·8	024·1	024·1	024·2	024·3	024·4	024·6	024·8	025·2	025·5	025·5	025·7	025·7	025·6	024·0
4	025·6	025·6	025·6	025·8	026·0	026·3	026·7	027·2	027·4	027·7	028·0	028·1	028·1	028·2	028·2	028·6	028·4	028·4	028·3	028·1	028·0	027·9	027·7	027·3	027·3
5	027·0	026·5	026·2	025·8	025·6	025·4	025·6	025·5	025·6	025·5	025·5	025·5	025·5	025·5	025·4	025·2	024·8	024·6	024·7	024·6	024·7	024·9	024·9	024·8	025·4
6	024·7	024·4	023·9	023·8	023·7	023·6	023·5	023·6	023·5	023·4	023·4	023·2	022·9	022·7	022·5	022·2	022·0	022·0	022·2	022·1	022·0	022·0	021·5	021·3	023·0
7	020·6	020·2	019·7	019·4	019·3	019·4	019·5	019·3	019·2	018·8	018·5	018·7	018·4	018·1	017·9	017·4	017·1	016·7	016·7	016·8	016·9	016·6	016·5	016·3	018·4
8	015·7	015·5	015·4	015·1	014·7	014·5	014·1	013·7	013·6	013·7	013·8	014·0	014·1	014·0	013·9	014·0	013·9	013·9	013·9	013·9	014·0	014·1	013·5	013·9	014·3
9	013·4	013·2	013·0	012·7	012·3	012·1	011·9	011·6	011·2	011·0	011·2	011·1	011·0	011·2	011·4	011·2	011·4	011·6	012·1	012·3	012·9	013·4	013·6	013·6	012·1
10	014·0	014·1	014·3	014·7	015·2	015·8	016·4	016·9	017·4	017·8	018·4	018·9	019·4	020·1	020·3	020·7	020·9	021·4	022·0	022·3	022·7	023·0	023·4	023·5	018·7
11	023·5	023·7	023·6	023·7	023·7	023·9	024·0	024·2	024·4	024·5	024·6	024·3	024·2	024·2	024·0	023·5	023·2	023·2	023·2	023·3	023·3	023·4	023·0	022·7	023·7
12	022·1	021·8	021·4	021·1	021·2	021·2	021·1	020·9	021·0	021·2	020·9	020·8	021·2	020·5	020·2	020·1	019·9	019·5	019·4	019·4	019·8	019·5	019·1	018·7	020·6
13	018·3	018·1	017·6	017·6	017·2	017·3	017·5	017·6	017·7	018·0	018·0	018·3	018·8	019·3	019·5	019·9	020·2	020·8	021·3	021·9	022·4	023·2	023·7	023·7	019·4
14	024·2	024·8	024·4	023·9	024·5	024·8	025·2	025·2	025·3	025·4	025·6	025·6	025·8	025·7	025·8	025·8	025·7	025·7	025·7	026·1	026·3	026·3	026·4	026·2	025·4
15	026·1	025·7	025·1	024·7	024·7	024·7	024·8	024·8	024·8	024·8	024·8	024·7	024·7	024·4	024·2	023·9	023·7	023·5	023·5	023·2	023·1	023·2	022·9	022·6	024·3
16	022·2	021·8	021·6	021·0	021·1	021·0	021·0	020·9	020·9	020·7	020·7	020·6	020·6	020·2	019·6	019·2	019·0	018·8	018·5	018·4	018·6	018·4	018·2	018·1	020·1
17	017·7	017·7	017·7	017·6	017·7	018·0	018·0	018·1	018·1	018·1	018·1	018·1	017·9	017·8	017·6	017·2	017·1	016·3	016·2	015·6	015·3	015·0	014·6	014·1	017·1
18	013·3	012·6	012·0	011·6	011·4	011·6	011·6	011·8	011·9	011·8	011·8	011·9	012·0	011·9	011·7	011·7	011·5	011·2	011·0	010·6	010·6	009·8	009·1	008·3	011·5
19	007·6	006·3	005·0	003·3	002·0	000·6	999·8	999·7	999·5	999·4	999·1	998·9	998·5	998·3	997·9	997·4	997·2	996·9	996·8	996·8	996·9	997·2	998·1	999·0	999·9
20	000·1	001·1	002·2	003·1	004·5	005·7	006·8	007·9	008·9	009·7	010·7	011·6	012·5	013·2	013·9	014·8	015·4	016·1	016·7	017·4	018·1	018·5	018·8	019·2	010·7
21	019·1	019·1	019·0	019·1	019·2	019·0	018·8	018·7	018·2	017·6	017·2	017·3	017·6	017·9	018·2	018·5	018·7	019·0	019·4	020·0	020·5	021·0	021·4	021·9	019·0
22	022·0	021·9	022·0	022·1	022·3	022·4	022·9	023·2	023·6	023·7	023·8	023·7	023·6	023·8	023·7	023·4	023·5	023·4	023·4	023·5	023·5	023·5	023·4	023·5	023·1
23	023·2	022·7	022·4	022·4	022·5	022·4	022·4	022·4	022·4	022·5	022·6	022·7	022·6	022·5	022·5	022·4	022·7	022·9	023·3	023·7	024·0	024·3	024·6	025·0	022·9
24	025·1	025·4	025·5	025·8	026·1	026·7	027·3	027·6	028·0	028·1	028·2	028·2	028·1	028·2	028·3	028·2	028·2	028·2	028·6	028·9	029·3	029·3	029·1	028·8	027·6
25	028·7	028·3	028·1	027·8	027·7	027·7	027·8	027·8	027·8	027·7	027·5	027·4	027·1	027·0	026·7	026·3	026·1	026·2	026·3	026·2	026·4	026·5	026·4	026·4	027·2
26	026·1	025·9	025·5	025·3	025·4	025·3	025·4	025·4	025·3	025·1	024·9	024·7	024·6	024·4	024·4	024·2	024·0	023·5	023·4	023·1	023·3	023·4	023·0	022·7	024·6
27	022·2	021·7	021·5	021·3	020·9	021·1	020·5	020·5	020·4	020·3	020·0	020·0	019·9	019·5	019·5	019·5	019·3	019·2	019·3	019·3	019·4	019·5	019·6	019·6	020·2
28	019·4	019·4	019·5	019·5	019·8	020·0	020·5	020·7	021·3	021·3	021·4	021·4	021·5	021·3	021·2	021·2	021·3	021·2	021·2	021·5	021·9	021·9	022·2	022·2	020·9
29	022·1	022·3	022·4	022·5	023·0	023·5	023·9	024·2	024·5	024·7	024·9	024·7	024·8	024·7	024·5	024·5	024·3	024·3	024·1	024·3	024·7	024·9	024·8	024·7	024·0
30	024·6	024·5	024·3	024·3	024·4	024·5	024·5	024·4	024·1	024·0	024·0	024·0	023·8	023·7	023·4	023·0	022·5	022·1	021·8	021·8	022·0	022·0	021·8	021·6	023·4
31	021·3	020·6	020·2	020·0	019·6	019·5	019·7	019·6	019·7	019·8	019·5	019·2	018·7	018·4	018·1	017·8	017·7	017·8	017·9	017·9	018·1	018·3	018·5	018·5	019·1
Mean (Station Level)	1020 ·20	1020 ·02	1019 ·80	1019 ·67	1019 ·69	1019 ·77	1019 ·89	1019 ·97	1020 ·06	1020 ·07	1020 ·11	1020 ·12	1020 ·15	1020 ·11	1020 ·05	1019 ·95	1019 ·90	1019 ·88	1019 ·99	1020 ·09	1020 ·30	1020 ·40	1020 ·36	1020 ·31	1020 ·04
Mean (Sea Level)	1021 ·85	1021 ·67	1021 ·45	1021 ·32	1021 ·34	1021 ·42	1021 ·54	1021 ·61	1021 ·70	1021 ·71	1021 ·75	1021 ·76	1021 ·79	1021 ·74	1021 ·68	1021 ·59	1021 ·54	1021 ·52	1021 ·63	1021 ·73	1021 ·95	1022 ·05	1022 ·01	1021 ·96	1021 ·68

350. VALENTIA OBSERVATORY: H_b = 13·7 metres

AUGUST, 1935

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	018·7	018·7	018·6	018·7	018·7	019·1	019·3	019·7	019·9	020·2	020·5	020·9	021·1	021·1	021·3	021·4	021·5	022·0	022·1	022·3	022·8	023·2	023·7	023·9	020·7
2	023·9	023·8	023·7	023·7	023·8	024·0	024·5	024·9	025·2	025·3	025·5	025·5	025·7	025·8	025·8	025·9	025·9	026·0	026·0	026·2	026·5	026·4	026·5	026·5	025·2
3	026·4	026·2	025·9	026·0	026·0	026·2	026·4	026·5	026·3	026·3	026·4	026·5	026·5	026·4	026·4	026·2	026·2	026·3	026·2	026·3	026·2	026·2	026·3	026·2	026·3
4	025·9	025·7	025·3	025·1	025·0	024·9	025·2	025·1	025·2	025·1	025·0	024·9	024·8	024·8	024·7	024·7	024·5	024·3	024·3	024·4	024·5	024·5	024·3	024·1	024·9
5	024·1	024·1	024·1	024·1	024·2	024·5	024·9	025·4	025·6	025·9	025·9	026·1	026·2	026·6	026·5	026·5	026·8	026·9	027·1	027·2	027·7	027·7	027·8	028·0	025·9
6	028·1	028·2	028·2	028·0	028·0	028·1	028·5	028·8	029·0	029·1	029·1	028·8	028·9	028·9	029·0	028·8	028·6	028·4	028·4	028·4	028·6	028·4	027·9	027·6	028·5
7	027·3	026·8	026·4	026·2	026·0	025·8	025·6	025·4	024·9	024·5	024·3	024·0	023·6	023·0	022·4	022·3	021·8	021·4	020·6	020·3	020·2	019·4	018·8	018·1	023·5
8	017·6	016·9	016·4	016·0	015·8	015·8	015·7	015·7	015·7	015·9	016·1	015·9	016·2	016·5	016·7	016·8	017·0	017·1	017·4	017·9	018·1	018·3	018·2	018·4	016·7
9	018·3	018·1	018·2	018·1	018·2	018·3	018·5	018·8	019·1	019·5	019·5	019·6	019·7	019·6	019·6	019·7	019·7	019·5	019·5	019·5	019·7	019·9	019·7	019·3	019·1
10	019·1	018·6	018·3	018·1	017·6	017·8	017·6	017·6	017·7	017·7	017·5	017·2	017·0	017·0	016·7	016·1	015·8	015·4	015·3	014·9	014·9	014·7	014·5	014·1	016·8
11	013·5	012·7	012·5	012·0	011·6	011·5	011·2	011·0	010·9	010·8	010·5	010·0	009·6	009·1	008·5	008·2	007·4	006·8	006·3	006·2	006·4	006·1	005·9	006·2	009·5
12	006·4	007·1	008·0	008·8	008·9	010·6	011·6	011·9	013·1	013·7	014·4	014·9	015·0	015·2	015·5	015·6	016·2	016·8	017·1	017·4	018·0	018·3	018·7	019·0	013·6
13	019·0	018·8	018·8	018·9	019·3	019·4	019·7	020·0	020·2	020·4	020·6	020·6	020·6	020·4	020·5	020·3	020·3	020·2	020·2	020·3	020·4	020·5	020·3	020·1	020·0
14	020·1	019·8	019·7	019·5	019·4	019·4	019·6	019·7	019·8	019·9	019·9	019·8	019·8	019·8	019·6	019·6	019·3	019·3	019·3	019·5	019·6	019·5	019·0	018·9	019·6
15	018·7	018·4	018·2	017·8	017·7	017·7	017·9	017·8	017·7	017·7	017·7	017·6	017·5	017·6	017·6	017·1	016·9	016·6	016·3	016·1	016·2	016·2	016·3	016·2	017·4
16	016·0	015·7	015·5	015·2	015·2	015·3	015·5	015·6	015·6	015·5	015·6	015·4	015·3	015·4	015·2	015·1	015·0	014·9	015·1	015·3	015·5	015·4	015·4	015·4	015·4
17	015·3	015·0	014·7	014·4	014·1	014·2	014·3	014·2	014·3	014·1	014·2	014·2	014·1	014·0	013·8	013·6	013·6	013·5	013·7	014·0	014·0	014·1	014·1	014·5	014·2
18	014·4	014·5	014·7	014·7	014·8	015·1	015·5	015·9	016·4	016·4	016·7	017·1	017·2	017·1	017·1	017·2	017·5	017·6	017·5	017·6	017·9	018·1	017·9	017·8	016·5
19	017·6	017·5	017·3	017·3	017·3	017·5	017·6	017·8	018·1	018·2	018·4	018·6	018·3	017·7	017·9	017·7	017·5	017·4	017·4	018·0	018·2	018·0	017·7	017·2	017·8
20	016·8	016·6	016·4	016·2	016·0	016·0	016·0	015·8	016·0	015·9	015·5	014·9	014·5	014·2	013·7	012·8	012·0	011·4	011·0	011·2	010·8	009·8	009·0	008·0	014·0
21	007·5	006·6	007·2	007·6	008·8	009·6	010·5	011·0	011·7	012·1	012·6	012·8	013·1	013·5	013·6	013·5	013·4	013·1	013·1	013·1	013·1	012·6	012·2	011·4	011·3
22	010·7	010·1	009·2	008·3	007·4	006·9	006·7	006·7	006·5	006·3	006·1	005·6	005·3	005·2	005·0	004·6	004·6	004·4	004·0	005·2	006·0	005·7	006·0	005·9	006·5
23	006·0	006·1	006·2	006·5	006·8	007·3	008·1	008·6	008·8	009·2	009·4	009·5	009·8	010·0	010·3	010·5	010·7	011·2	011·4	011·8	012·1	012·2	012·4	012·5	009·3
24	012·6	012·9	013·0	013·1	013·4	014·2	014·9	015·7	015·8	016·3	016·7	017·4	017·8	018·1	018·5	019·1	018·9	019·4	019·8	020·3	020·5	020·9	021·2	021·4	017·0
25	021·3	021·3	021·5	021·4	021·7	021·8	022·4	022·5	022·6	022·5	022·5	022·2	022·2	021·8	021·6	021·3	021·3	021·1	020·6	020·8	020·5	019·6	018·5	017·8	021·4
26	016·7	015·4	014·3	012·8	011·9	011·0	010·4	009·6	008·5	007·4	005·8	004·2	003·1	002·4	002·2	002·3	002·7	002·5	003·1	003·8	004·1	004·3	004·4	004·4	007·3
27	004·1	003·8	003·6	003·6	002·9	002·9	003·2	003·4	003·0	002·8	002·6	002·4	002·4	002·2	001·8	001·3	000·9	000·6	000·5	000·4	000·4	000·3	000·1	000·2	002·1
28	999·8	999·7	999·9	999·8	000·1	000·8	001·1	001·8	002·1	002·5	003·1	003·2	003·9	004·2	004·3	004·6	004·9	005·2	005·6	006·0	006·6	006·9	007·0	007·1	003·2
29	006·9	006·7	006·7	006·4	006·3	006·3	006·3	006·4	006·4	006·3	006·1	006·0	006·1	006·0	005·8	005·7	005·8	005·6	005·4	005·5	005·7	005·5	005·4	005·2	006·1
30	005·0	004·7	004·5	003·8	003·3	003·0	003·0	002·8	002·6	002·5	002·7	002·5	002·6	002·7	002·6	002·4	002·6	002·7	002·9	003·3	003·6	003·7	003·7	003·7	003·2
31	004·0	004·0	004·2	004·2	004·5	004·9	005·4	006·0	006·3	006·5	006·9	007·2	007·3	007·7	007·7	007·8	007·6	007·6	007·9	008·3	008·4	008·5	008·2	008·1	006·5
Mean (Station Level)	1015 ·54	1015 ·31	1015 ·20	1015 ·04	1014 ·99	1015 ·16	1015 ·39	1015 ·55	1015 ·65	1015 ·69	1015 ·73	1015 ·66	1015 ·65	1015 ·61	1015 ·55	1015 ·45	1015 ·38	1015 ·33	1015 ·33	1015 ·54	1015 ·72	1015 ·63	1015 ·51	1015 ·39	1015 ·47
Mean (Sea Level)	1017 ·19	1016 ·96	1016 ·85	1016 ·69	1016 ·64	1016 ·81	1017 ·04	1017 ·20	1017 ·29	1017 ·33	1017 ·37	1017 ·30	1017 ·29	1017 ·25	1017 ·19	1017 ·09	1017 ·02	1016 ·97	1016 ·97	1017 ·19	1017 ·37	1017 ·28	1017 ·16	1017 ·04	1017 ·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.

351. VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13·7 metres SEPTEMBER, 1935

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 (Station Level)	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	007·9	007·3	006·8	006·4	005·9	005·5	005·0	004·5	004·4	004·0	003·0	002·0	001·3	000·9	000·3	000·3	000·4	000·5	000·8	001·2	001·5	001·9	002·1	002·2	003·3
2	002·5	002·6	002·8	002·7	002·9	003·3	003·9	004·2	004·8	005·3	005·6	005·7	005·7	005·8	005·9	005·9	006·0	006·3	006·5	007·0	007·3	007·4	007·4	007·5	005·1
3	007·4	007·4	007·3	007·3	007·3	007·3	007·5	007·8	007·9	008·0	007·9	008·0	008·0	008·1	007·8	007·7	007·7	007·7	007·4	007·7	007·8	007·8	007·8	007·7	007·7
4	007·5	007·2	007·1	007·2	007·1	007·2	007·6	007·7	007·9	008·1	008·4	008·5	008·3	008·4	008·1	008·0	008·1	007·9	008·2	008·6	008·9	009·5	009·6	009·8	008·1
5	009·7	009·8	009·8	009·8	009·7	009·7	009·6	009·5	009·5	009·8	009·4	009·6	009·5	009·6	009·4	009·6	010·4	011·2	012·0	013·1	013·9	014·3	014·9	015·2	010·7
6	015·6	015·9	016·1	016·3	016·8	017·5	017·6	017·9	018·4	019·0	018·8	019·4	019·1	019·2	019·2	019·0	019·1	019·3	019·3	019·6	019·6	019·3	019·2	018·9	018·3
7	018·8	018·6	018·2	018·0	018·0	017·9	018·0	018·0	017·8	017·8	017·4	016·8	016·0	015·8	015·4	015·3	015·4	014·8	014·7	014·6	014·2	013·7	013·4	013·0	016·4
8	013·1	012·5	012·1	012·0	011·9	011·9	011·9	012·0	011·9	012·2	012·6	012·6	012·6	013·0	013·3	013·5	013·9	014·0	014·2	014·8	015·0	015·0	015·1	015·4	013·1
9	015·5	015·4	015·4	015·3	015·4	015·6	015·9	016·0	015·9	016·1	016·5	016·4	016·4	015·9	016·1	016·0	016·2	016·3	016·3	016·4	016·7	016·6	016·7	016·3	016·0
10	016·2	015·8	015·7	015·4	015·2	015·2	015·2	015·1	014·8	015·0	014·7	014·6	014·9	014·5	014·4	014·4	014·1	013·9	013·4	013·1	012·0	011·7	010·9	009·6	014·3
11	008·9	008·1	007·7	007·0	007·0	006·8	006·9	006·6	006·4	005·7	004·5	004·1	003·4	002·8	002·1	001·4	001·0	000·4	000·5	000·3	000·2	999·7	999·5	999·3	004·0
12	999·7	999·7	999·3	998·9	999·5	999·9	999·8	999·8	000·0	000·0	999·9	999·8	999·1	998·8	998·1	998·0	997·7	998·5	999·4	000·5	001·0	001·5	001·8	002·2	999·6
13	002·6	002·7	003·0	003·3	003·2	003·3	003·3	003·4	003·6	003·4	003·8	003·8	003·5	003·1	002·6	002·0	001·8	001·6	000·6	000·5	999·8	998·8	998·8	998·7	002·2
14	998·7	998·3	998·3	998·3	998·5	998·9	999·8	000·2	001·2	002·1	003·0	003·6	004·2	005·5	004·6	004·8	004·4	004·0	003·3	002·4	000·7	999·0	996·9	995·2	001·2
15	993·9	993·3	992·5	991·6	990·9	990·6	990·3	990·0	990·1	991·9	993·1	994·3	994·9	995·4	995·7	995·8	996·0	995·8	995·7	996·0	996·2	996·6	996·4	996·4	993·9
16	996·4	996·3	996·0	995·7	995·5	995·3	995·1	994·3	992·9	991·7	990·2	987·0	983·2	977·8	971·3	970·1	967·3	965·0	963·6	964·9	969·6	974·3	978·1	979·8	983·3
17	981·7	983·6	985·3	987·1	988·4	990·0	991·2	992·7	993·7	994·4	995·6	996·2	996·8	997·5	998·5	998·8	999·6	000·4	000·7	001·4	002·1	002·8	003·5	003·7	994·7
18	004·1	004·1	004·2	004·2	004·4	004·8	005·2	005·5	005·5	005·4	005·1	004·5	003·8	002·5	000·5	999·1	997·5	996·2	994·5	992·9	991·6	991·0	991·1	991·4	000·6
19	991·6	991·8	992·1	992·6	993·0	993·6	994·8	995·8	997·0	998·7	999·7	000·8	002·0	002·7	002·9	002·9	003·7	004·9	005·2	005·6	006·1	006·7	006·9	007·0	999·6
20	007·1	007·5	007·9	008·4	009·1	010·0	011·0	012·1	013·1	014·0	014·9	015·5	015·9	016·6	016·8	017·1	017·7	018·0	018·7	019·1	019·0	019·2	019·0	018·7	014·2
21	018·5	018·2	017·1	017·3	016·3	016·0	015·4	015·3	015·1	015·1	015·1	015·0	014·7	014·1	013·8	013·5	013·4	013·4	013·4	013·6	013·5	013·4	013·4	013·1	015·0
22	012·8	012·3	012·0	011·8	011·7	011·6	011·4	011·2	010·8	010·3	010·2	010·4	010·8	012·0	013·0	013·9	014·4	014·9	015·6	016·5	016·8	017·3	017·7	017·8	013·1
23	018·0	017·8	017·7	017·5	017·3	017·3	017·5	017·5	017·4	017·4	016·9	016·2	015·4	014·8	013·6	013·0	011·7	010·7	009·8	009·4	009·2	008·8	008·6	008·3	014·4
24	007·8	007·1	006·6	006·2	005·6	005·1	005·1	005·1	005·4	005·2	005·1	005·2	005·4	005·3	005·6	005·9	006·6	007·5	008·4	009·4	010·8	011·5	012·1	012·9	007·0
25	013·9	013·9	014·3	014·7	015·4	015·9	016·6	017·2	017·9	018·2	018·7	019·0	018·8	018·7	018·4	018·3	018·1	018·2	018·0	018·1	017·6	017·1	016·6	015·6	017·0
26	014·8	014·2	013·3	012·4	011·4	010·5	009·9	009·4	008·8	008·7	008·8	008·4	008·5	008·0	007·7	007·7	008·0	008·7	008·4	008·5	008·7	008·5	008·3	008·6	009·7
27	008·3	008·4	008·2	008·0	008·0	008·1	008·4	008·6	008·7	008·7	008·6	008·6	008·7	008·5	008·3	007·9	008·1	008·1	008·1	007·7	007·4	007·2	006·7	006·4	008·1
28	006·0	005·6	005·6	005·0	004·5	004·8	005·0	005·3	005·6	006·1	006·2	006·3	006·5	006·7	006·9	007·1	007·4	007·8	008·3	008·9	009·1	009·2	009·2	009·2	006·7
29	009·3	009·1	008·8	008·7	008·4	008·1	007·4	007·0	006·7	006·1	005·0	003·7	002·7	002·6	003·2	003·3	003·4	003·3	003·0	002·5	002·7	002·4	002·2	002·2	005·2
30	002·0	001·8	001·9	001·6	001·4	001·1	001·3	001·2	001·0	001·0	001·1	001·0	000·5	000·3	000·1	000·0	000·0	000·3	000·5	000·7	000·8	000·9	000·6	000·6	000·9
Mean (Station Level)	1007·01	1006·88	1006·77	1006·69	1006·66	1006·76	1006·92	1007·03	1007·14	1007·31	1007·33	1007·23	1007·02	1006·83	1006·45	1006·34	1006·30	1006·32	1006·28	1006·50	1006·66	1006·77	1006·82	1006·76	1006·79
Mean (Sea Level)	1008·65	1008·52	1008·41	1008·33	1008·30	1008·40	1008·56	1008·66	1008·77	1008·94	1008·96	1008·86	1008·65	1008·46	1008·08	1007·97	1007·93	1007·95	1007·91	1008·15	1008·29	1008·40	1008·45	1008·39	1008·42

352. VALENTIA OBSERVATORY: H_b = 13·7 metres OCTOBER, 1935

Day (Station Level)	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	000·5	000·6	000·7	001·0	001·2	001·8	002·6	003·1	003·8	004·6	005·0	005·4	005·5	005·4	005·5	005·6	005·6	005·4	005·2	005·0	004·1	003·1	001·8	999·8	003·4
2	997·7	996·3	994·2	992·0	991·7	991·9	991·9	991·5	990·9	990·4	989·4	988·3	986·9	985·9	984·6	983·7	982·7	981·5	980·4	979·2	978·2	977·3	976·1	975·1	987·1
3	974·5	974·1	973·8	974·0	974·4	975·4	976·4	977·9	979·0	979·9	980·7	981·0	981·4	981·5	981·6	982·2	982·6	983·4	984·6	985·7	986·7	987·5	988·0	988·8	980·3
4	989·5	989·9	990·0	990·9	991·3	991·8	992·5	993·1	993·8	994·3	994·8	995·0	995·0	995·2	995·6	995·8	995·8	996·0	996·2	996·2	997·0	997·1	997·4	997·7	994·1
5	998·0	998·3	998·4	999·0	999·4	999·3	999·6	000·0	000·1	000·3	000·3	000·4	000·5	000·6	000·6	000·8	000·9	001·1	001·3	001·6	001·9	002·4	003·0	003·5	000·3
6	004·1	004·8	005·1	005·6	006·1	006·8	007·5	008·2	008·8	009·4	009·9	010·3	010·5	010·3	010·6	010·9	011·3	012·2	012·8	013·3	013·6	013·7	013·8	013·6	009·5
7	013·6	013·3	013·2	013·0	013·1	013·0	012·8	012·7	012·3	012·0	011·9	011·2	010·3	009·3	008·7	007·7	006·6	005·7	004·4	003·1	002·8	003·0	002·7	002·5	009·4
8	002·5	002·8	002·8	002·7	002·8	003·3	003·6	003·7	004·1	004·7	005·0	005·1	005·2	005·6	005·4	005·3	005·4	005·7	006·4	006·3	006·3	006·1	005·5	005·0	004·6
9	004·8	004·1	003·5	002·4	001·2	000·4	999·5	998·5	998·4	997·9	997·8	997·9	996·5	996·1	994·3	991·9	989·0	987·1	986·6	987·4	990·0	991·4	992·2	993·2	996·2
10	993·8	994·5	995·1	996·5	997·8	998·8	999·9	001·5	002·7	003·9	004·8	005·4	005·8	006·4	006·9	007·2	007·7	008·0	008·3	008·7	009·1	008·8	009·1	009·3	003·4
11	009·4	009·7	009·8	010·2	010·6	011·0	011·3	012·1	013·0	013·5	013·9	014·4	014·5	014·9	014·9	015·1	015·5	016·1	016·6	016·7	017·1	017·6	018·1	018·5	013·7
12	018·9	019·2	019·4	019·9	020·2	020·6	021·0	021·7	022·5	022·9	023·0	023·1	023·1	023·0	023·0	023·0	022·9	023·0	023·1	022·8	022·4	022·2	021·8	021·4	021·8
13	020·9	020·1	019·4	018·8	018·2	017·7	017·1	016·4	015·8	015·1	014·2	013·8	013·3	012·8	013·3	013·9	014·6	015·5	016·5	017·5	018·4	019·0	019·5	020·0	016·8
14	020·0	020·6	020·6	020·8	020·9	021·5	021·9	022·1	022·4	022·7	022·6	022·7	022·9	022·7	022·8	022·8	022·4	022·1	022·1	022·2	022·1	021·8	021·5	021·1	021·9
15	021·0	020·4	019·6	019·1	018·6	018·6	018·4	018·6	018·5	018·6	018·6	018·7	018·5	018·5	018·5	018·4	018·4	018·6	019·0	019·5	019·8	020·0	020·6	020·9	019·1
16	020·9	021·0	021·1	021·1	021·4	021·6	022·2	022·9	024·0	024·7	025·3	025·6	025·8	026·1	026·9	026·8	027·1	027·8	027·9	028·1	028·4	028·7	028·4	028·3	024·9
17	028·1	028·1	027·7	027·3	027·1	026·7	026·9	027·1	027·2	027·3	026·8	026·6	026·0	025·8	025·8	026·0	025·7	026·2	026·4	026·5	026·9	026·9	027·2	026·9	026·8
18	026·7	026·6	025·5	025·2	024·5	024·3	023·9	023·3	022·7	021·9	021·1	020·1	018·5	016·4	014·3	012·2	010·4	009·8	008·5	009·7	010·0	010·2	010·0	010·0	018·1
19	009·7	009·3	009·0	009·3	009·5	009·7	009·6	010·1	010·8	011·6	011·8	011·7	011·7	012·0	012·1	012·3	012·5	012·9	013·1	013·2	013·6	014·1	013·9	014·5	011·5
20	014·4	014·9	015·0	015·3	015·9	016·5	017·2	018·5	018·9	019·3	019·8	020·1	019·9	019·8	019·7	019·6	019·9	019·1	020·4	020·5	020·5	020·3	020·1	020·0	018·5
21	019·6	019·3	018·8	018·4	018·3	018·2	017·8	017·8	017·5	017·3	016·8	016·4	015·8	015·3	014·8	014·9	014·4	014·5	014·5	014·7	014·9	015·0	015·0	014·8	016·6
22	014·7	014·3	014·1	013·6	013·2	012·6	012·3	011·6	010·8	010·0	009·6	008·9	008·5	008·2	008·2	008·0	008·0	008·0	008·0	007·5	007·1	006·8	006·0	005·3	010·0
23	004·3	003·3	002·2	000·9	000·0	998·8	999·0	999·4	999·3	999·4	999·6	999·7	000·4	001·2	001·9	002·6	003·1	004·2	004·9	005·8	006·5	007·1	007·7	008·1	002·4
24	008·6	009·1	009·5	010·0	010·5	010·9	011·2	011·6	012·1	012·4	012·4	012·4	012·4	012·2	012·1	011·9	012·0	012·4	012·3	012·4	012·5	012·4	012·3	012·7	011·5
25	013·4	013·8	014·3	015·2	015·7	016·1	017·0	017·9	018·6	019·0	019·6	020·0	020·1	020·2	020·5	020·6	020·8	021·4	021·3	021·8	021·5	021·6	021·6	021·9	018·7
26	022·2	022·3	022·4	022·6	023·1	023·6	024·1	024·4	024·9	025·2	025·4	025·2	025·0	024·8	024·7	024·8	024·8	024·8	025·0	025·0	025·3	025·0	025·0	024·8	024·3
27	024·6	023·9	023·7	023·5	023·5	023·3	023·0	022·7	022·8	023·2	022·9	022·8	022·8	022·3	021·9	022·1	021·6	021·6	021·2	020·7	020·6	021·2	021·3	021·4	022·5
28	021·6	021·8	021·8	021·9	022·2	022·5	022·9	023·6	024·2	024·8	025·3	025·5	025·3	025·2	025·0	024·8	025·0	024·9	024·7	023·9	023·4	022·7	022·2	021·4	023·6
29	020·9	020·1	018·8	017·3	016·1	014·7	013·8	014·2	014·8	015·4	016·6	016·7	016·8	016·8	016·9	017·2	017·7	017·0	017·4	016·6	016·0	015·2	014·8	013·8	016·6
30	012·4	010·5	009·3	007·7	005·9	004·7	003·1	001·8	000·7	999·5	998·3	997·0	995·7	994·3	992·6	992·3	991·7	992·1	991·9	991·3	991·0	991·1	990·7	990·6	998·7
31	990·2	989·6	989·5	989·2	988·9	988·1	988·0	987·9	987·5	987·2	987·0	987·0	986·5	986·4	986·8	987·6	988·1	988·8	989·8	990·4	991·0	991·2	991·6	991·8	988·7
Mean (Station Level)	1010·37	1010·21	1009·95	1009·82	1009·78	1009·81	1009·93	1010·19	1010·42	1010·59	1010·65	1010·59	1010·36	1010·17	1010·02	1009·93	1009·81	1009·93	1010·03	1010·11	1010·28	1010·34	1010·29	1010·22	1010·16
Mean (Sea Level)	1012·03	1011·87	1011·61	1011·48	1011·44	1011·47	1011·59	1011·85	1012·08	1012·25	1012·31	1012·25	1012·02	1011·83	1011·68	1011·59	1011·47	1011·59	1011·69	1011·77	1011·94	1012·00	1011·95	1011·88	1011·82
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, 1935

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 (Station Level)	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	992·1	992·2	992·3	992·4	992·8	993·6	994·5	995·6	996·2	997·5	998·3	999·0	999·1	999·0	999·0	999·0	998·6	998·6	998·1	998·3	997·8	997·8	997·3	996·8	996·4
2	995·9	994·3	992·2	991·2	990·8	992·0	993·2	994·9	996·0	996·9	998·1	998·8	998·8	999·3	999·4	999·7	000·1	999·9	999·3	999·1	998·5	997·3	996·1	994·9	996·6
3	992·4	990·3	988·0	985·7	984·4	982·9	982·1	982·8	982·3	982·2	981·4	980·1	979·2	978·2	977·9	977·8	978·2	978·2	978·5	978·6	978·9	979·6	979·3	979·8	981·9
4	980·0	980·8	981·9	983·4	985·0	986·6	987·8	989·7	990·9	992·2	993·9	994·7	995·5	996·5	997·5	998·3	999·0	999·6	000·2	000·2	000·0	999·9	999·2	998·3	992·6
5	997·1	996·5	995·7	996·0	997·0	998·0	998·9	999·8	000·7	001·4	002·1	002·7	002·9	003·1	003·3	003·5	003·9	003·9	004·1	004·1	004·1	003·9	003·4	002·9	001·1
6	002·7	002·2	001·8	001·4	001·6	001·6	001·9	002·2	002·5	002·5	002·6	002·8	002·9	002·6	002·6	002·4	002·5	002·6	002·3	002·1	001·7	001·5	001·2	000·7	002·2
7	000·0	999·6	998·9	998·1	997·3	997·0	996·5	996·3	996·1	995·8	995·5	994·8	994·1	993·2	992·4	991·9	991·2	990·8	990·6	989·9	989·9	989·8	990·2	990·9	994·4
8	991·8	992·8	994·6	995·7	996·6	997·2	997·9	998·6	998·8	998·6	998·2	997·4	996·6	995·2	994·0	992·0	990·4	989·3	987·4	988·2	988·4	988·3	988·1	987·8	993·6
9	987·1	986·6	986·1	985·6	984·8	983·5	982·0	981·4	981·0	981·4	981·6	981·7	982·3	983·4	985·0	986·4	987·9	989·1	990·1	991·0	992·4	993·2	994·0	995·2	986·2
10	995·7	996·2	996·8	997·6	998·2	999·0	999·9	000·9	002·0	002·7	003·4	003·8	004·3	004·8	005·3	006·0	006·7	007·2	007·6	008·1	008·3	008·4	008·5	008·4	003·1
11	008·1	008·0	007·3	006·8	006·1	005·2	004·2	003·2	002·4	001·0	999·5	997·6	995·6	994·1	995·6	995·9	995·9	996·2	996·3	996·4	996·9	997·1	997·5	997·3	000·4
12	997·3	997·3	997·3	997·4	997·6	997·8	998·1	998·1	998·6	998·4	998·2	997·8	997·1	996·6	996·0	995·4	994·9	994·2	993·7	993·6	993·2	992·8	992·3	992·1	996·2
13	991·8	992·8	994·4	996·1	997·4	998·1	998·8	999·1	999·1	999·5	000·5	001·2	001·6	001·7	001·7	001·6	001·7	001·4	001·1	000·4	999·6	998·7	997·6	996·6	998·8
14	995·5	996·9	996·8	997·0	997·2	997·5	997·8	998·1	999·0	999·2	999·3	999·6	999·3	998·9	998·4	998·1	997·6	997·3	997·0	996·6	996·3	995·7	995·1	994·9	997·5
15	994·6	993·8	993·3	992·9	992·6	992·2	992·2	992·4	992·8	993·1	993·1	992·9	992·8	992·5	992·3	992·3	992·6	992·7	992·8	992·8	992·9	992·9	992·9	993·0	992·9
16	992·4	992·1	991·9	991·5	991·5	991·2	991·1	991·1	991·4	991·3	991·0	990·6	990·3	990·1	989·9	989·9	990·0	990·3	990·6	990·7	991·1	991·5	991·7	991·9	991·1
17	992·0	992·1	992·0	991·9	991·8	992·1	992·2	992·3	992·4	992·9	993·1	993·6	993·8	994·4	995·9	997·6	999·6	000·9	001·9	002·9	003·3	003·7	004·2	004·6	996·0
18	004·9	005·1	005·4	005·6	005·9	006·1	006·3	006·7	006·7	006·6	006·6	006·2	005·7	005·2	004·6	003·9	003·1	002·2	001·5	001·0	000·0	999·0	998·0	996·4	004·0
19	995·0	993·1	992·4	990·6	989·2	987·8	986·7	985·7	985·5	986·7	986·8	986·4	985·6	984·7	985·9	986·9	988·0	989·1	989·9	990·5	990·8	991·2	991·4	991·8	988·9
20	991·9	992·0	992·1	992·0	992·1	992·7	993·0	994·2	995·3	996·0	996·6	996·8	997·0	997·6	998·4	999·2	000·0	000·8	001·3	001·2	001·5	001·5	001·4	001·4	996·7
21	000·7	000·7	000·6	000·5	000·5	000·6	001·1	001·2	001·5	002·1	002·6	002·9	002·9	003·2	003·7	004·3	004·4	004·5	005·0	005·5	005·9	006·2	005·9	006·3	002·9
22	006·4	006·3	006·2	006·1	006·1	006·0	006·2	006·2	006·2	006·3	006·7	006·5	006·2	005·8	006·0	006·4	006·8	007·4	007·6	007·6	007·7	008·2	008·4	008·7	006·7
23	008·6	008·7	008·8	008·8	008·9	009·2	009·5	010·1	010·6	011·2	011·5	011·4	011·3	011·3	011·3	011·6	012·5	012·9	013·8	014·3	015·1	015·7	016·1	016·3	011·5
24	016·6	016·8	017·1	017·4	017·8	018·2	018·7	019·5	020·2	020·8	021·4	021·3	021·2	021·1	021·3	021·9	022·2	022·4	022·9	022·9	022·9	022·8	023·1	023·1	020·4
25	022·9	022·4	022·0	021·2	020·9	020·5	020·8	020·4	019·9	019·4	018·7	017·5	016·6	015·6	015·1	014·6	013·7	013·7	013·3	012·8	012·5	012·2	011·8	011·5	017·3
26	010·8	010·2	009·9	009·7	010·8	011·4	011·8	012·5	013·0	013·4	014·0	014·1	014·0	013·9	013·9	014·1	014·5	014·8	015·1	015·6	015·7	016·0	016·0	016·0	013·3
27	015·9	015·8	015·6	015·4	015·4	015·1	015·1	015·0	014·9	014·4	013·9	012·7	012·1	011·0	009·6	009·1	008·6	008·0	007·4	006·5	006·2	005·9	005·5	005·2	011·7
28	004·7	004·3	004·0	003·5	003·4	003·4	003·4	004·4	005·2	005·7	006·8	007·2	007·5	007·3	007·7	008·3	008·2	008·9	009·0	009·3	009·4	009·6	009·8	009·7	006·6
29	010·1	010·0	009·7	009·1	008·2	008·3	008·1	008·2	008·5	008·6	008·7	008·3	008·1	007·7	007·4	007·5	007·3	006·7	006·2	006·3	006·0	005·6	005·1	004·8	007·8
30	004·1	003·0	001·9	000·8	000·4	000·0	999·4	998·9	998·1	996·8	995·1	992·6	989·4	986·8	985·6	985·9	986·5	987·8	988·0	988·3	988·2	988·1	988·2	988·0	993·8
Mean (Station Level)	999·97	999·73	999·57	999·38	999·41	999·49	999·64	999·98	1000·26	1000·49	1000·64	1000·43	1000·13	999·83	999·89	1000·05	1000·22	1000·38	1000·43	1000·49	1000·51	1000·47	1000·31	1000·18	1000·08
Mean (Sea Level)	1001·63	1001·39	1001·23	1001·04	1001·07	1001·15	1001·30	1001·64	1001·92	1002·15	1002·30	1002·08	1001·78	1001·48	1001·54	1001·70	1001·88	1002·04	1002·09	1002·15	1002·17	1002·13	1001·97	1001·84	1001·74

354. VALENTIA OBSERVATORY: H_b = 13·7 metres

DECEMBER, 1935

Day (Station Level)	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	988·2	987·6	987·1	985·8	985·4	985·2	985·2	985·8	986·0	986·4	987·7	988·2	988·8	988·9	989·7	991·0	991·3	991·5	991·8	991·9	992·1	991·8	992·2	992·3	988·7
2	992·8	993·0	993·1	993·7	994·4	994·7	995·1	995·6	996·6	996·8	997·4	997·3	997·5	997·9	998·5	999·0	999·1	999·4	999·4	999·1	998·9	998·4	997·6	997·7	996·7
3	996·8	996·0	995·2	994·8	993·8	993·3	992·9	992·9	993·1	993·0	993·2	993·1	993·2	993·3	993·8	995·1	996·8	998·0	999·1	000·1	000·9	002·0	002·4	003·0	996·0
4	003·4	003·5	003·3	002·6	002·4	001·7	001·2	000·5	000·2	999·7	998·9	997·5	996·3	994·9	993·9	994·5	994·6	995·4	995·7	996·7	998·3	999·6	000·4	001·2	999·1
5	002·3	003·2	004·4	005·7	006·8	007·7	009·2	010·1	011·1	011·7	011·9	012·2	012·3	012·4	012·5	012·9	013·0	013·3	013·1	012·5	012·3	011·9	010·4	009·5	009·9
6	007·0	007·0	007·4	008·0	008·6	008·6	008·5	009·3	010·1	010·5	011·1	011·1	011·0	010·9	011·0	011·6	012·1	012·8	012·4	012·4	012·5	012·6	012·3	011·5	010·4
7	011·7	011·6	011·0	010·5	010·0	009·4	009·1	009·3	009·2	009·3	009·5	009·3	009·4	010·0	010·7	011·3	011·7	012·6	012·9	013·2	014·0	014·3	014·3	014·3	011·1
8	014·4	014·3	014·5	014·7	014·9	015·4	015·2	015·3	015·6	016·2	016·4	016·4	015·9	015·6	015·7	016·2	016·5	016·6	017·1	017·5	017·3	018·4	018·5	018·6	016·0
9	018·6	019·1	020·0	020·8	021·3	022·2	022·6	023·4	024·1	025·5	025·9	025·8	026·4	026·8	027·0	027·8	028·6	028·9	029·5	030·4	030·8	031·1	031·6	031·7	025·6
10	031·8	032·0	032·3	032·4	032·5	032·9	033·2	033·8	034·8	035·3	035·5	035·3	034·9	034·7	034·6	034·6	034·7	034·8	034·8	034·9	034·9	034·9	034·8	034·6	034·1
11	034·1	033·7	033·4	033·0	032·5	032·4	032·1	031·9	032·1	032·1	031·9	031·6	031·0	030·8	030·7	030·8	030·8	030·8	030·7	030·7	030·7	031·0	031·1	031·0	031·8
12	031·0	030·5	030·6	030·5	030·5	030·5	030·7	030·9	031·2	031·4	031·2	030·8	030·5	030·2	030·2	030·3	030·5	030·6	030·6	030·6	030·7	030·4	030·2	030·0	030·6
13	029·3	029·2	029·1	029·0	028·7	028·4	028·3	028·3	028·4	028·4	028·1	027·7	027·0	026·2	025·9	025·7	025·3	024·9	024·5	024·3	023·9	023·1	022·8	022·0	026·8
14	021·1	020·2	019·2	018·0	016·6	015·3	014·3	013·4	012·2	011·3	010·1	008·6	007·8	007·2	007·4	007·5	007·7	007·9	007·8	007·7	007·8	008·0	008·3	008·4	011·7
15	008·1	008·2	008·0	007·8	007·4	007·0	006·7	006·6	006·7	006·6	006·6	006·7	006·4	006·2	006·1	006·8	006·7	006·6	006·8	007·3	007·2	007·6	007·7	007·8	007·1
16	008·0	008·0	008·1	008·0	007·9	007·9	008·3	008·6	008·6	008·7	008·7	008·3	007·9	007·1	006·7	006·2	005·6	005·4	004·8	004·2	003·6	003·0	002·7	002·3	006·7
17	002·0	002·0	002·2	002·8	003·4	004·0	005·0	005·7	006·8	007·7	008·5	008·8	009·0	009·4	009·7	010·3	010·8	011·5	011·9	011·7	011·9	011·9	012·0	011·8	007·8
18	011·5	010·7	009·9	009·2	008·3	007·1	006·2	005·6	005·0	004·0	003·0	001·7	000·3	999·5	998·8	998·2	998·4	998·4	998·6	999·0	999·3	999·7	000·2	000·5	003·3
19	000·6	001·3	002·2	002·6	002·8	003·5	003·7	004·6	005·6	005·6	006·1	006·6	006·3	007·0	007·0	007·8	008·3	008·8	009·5	009·5	009·4	009·7	010·2	009·8	006·0
20	009·7	009·0	009·0	008·7	008·4	008·2	007·9	008·0	007·7	007·4	007·3	007·2	006·8	006·6	006·8	007·2	007·3	007·7	007·7	008·1	008·2	008·6	008·8	009·0	008·0
21	008·7	008·9	009·1	008·9	008·7	008·6	008·6	009·0	009·4	010·2	010·4	009·9	009·3	009·2	009·1	009·0	008·9	009·0	009·1	008·9	009·1	008·9	008·7	008·4	009·1
22	008·4	008·0	007·9	007·7	007·4	007·2	007·1	007·2	007·4	007·3	007·3	007·3	006·7	006·3	006·1	006·3	006·3	006·3	006·3	006·3	006·1	005·9	005·8	005·0	006·9
23	004·8	004·4	004·2	003·7	002·9	002·1	001·2	000·4	999·9	998·9	997·8	996·3	995·0	993·3	992·4	991·3	990·9	989·6	988·3	987·1	985·7	984·7	983·3	982·2	995·5
24	981·0	979·7	978·2	977·8	975·9	975·2	975·3	974·8	975·0	975·7	976·0	975·7	975·6	976·0	976·6	976·7	976·4	976·6	976·2	976·1	976·3	975·8	975·5	975·0	976·5
25	974·6	974·1	973·6	973·3	972·4	972·1	971·9	971·7	971·7	971·6	971·4	970·3	969·8	968·8	968·3	967·9	967·5	966·9	966·7	966·4	965·9	965·6	965·5	965·3	969·9
26	965·3	965·1	965·1	964·8	964·3	964·3	964·6	965·0	965·4	965·6	965·7	965·6	965·8	966·2	967·0	967·7	968·2	968·7	969·5	970·2	970·7	971·2	971·7	972·0	966·9
27	972·3	972·7	973·2	973·7	974·1	974·3	975·0	976·0	976·6	977·7	978·7	979·1	979·0	979·4	979·8	980·5	981·0	981·9	982·4	982·9	983·2	983·5	984·0	984·2	978·3
28	984·4	984·8	985·3	985·6	986·0	986·5	987·2	988·4	989·2	990·0	990·7	991·1	991·1	991·5	992·0	992·7	993·2	993·6	993·8	994·3	994·7	995·0	995·3	995·0	990·3
29	995·3	995·8	995·6	995·6	995·0	994·7	994·5	994·2	993·2	992·2	990·9	988·5	985·9	982·0	979·1	977·2	977·1	977·3	977·7	978·3	978·7	978·7	978·4	977·6	986·8
30	975·9	974·6	972·7	970·2	967·9	967·0	967·2	968·1	970·4	973·5	976·2	978·6	980·9	982·8	984·0	985·2	985·7	986·7	987·5	987·7	988·2	987·9	987·7	986·5	978·7
31	983·5	981·6	980·1	979·4	979·2	978·8	979·1	979·5	980·1	980·1	980·3	980·0	979·8	979·5	979·3	979·3	979·4	979·5	979·3	979·4	979·6	979·4	979·5	979·5	979·9
Mean (Station Level)	1002·47	1002·25	1002·10	1001·91	1001·63	1001·49	1001·52	1001·74	1002·05	1002·27	1002·40	1002·15	1001·86	1001·63	1001·63	1001·89	1002·08	1002·32	1002·43	1002·56	1002·67	1002·73	1002·71	1002·51	1002·13
Mean (Sea Level)	1004·14	1003·92	1003·77	1003·58	1003·30	1003·16	1003·19	1003·41	1003·72	1003·94	1004·07	1003·82	1003·53	1003·30	1003·30	1003·56	1003·75	1003·99	1004·10	1004·23	1004·34	1004·40	1004·38	1004·18	1003·80
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

355 VALENTIA OBSERVATORY: H_b = 13·7 metres 1935

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 012·02	mb 011·83	mb 011·65	mb 011·49	mb 011·44	mb 011·48	mb 011·59	mb 011·77	mb 011·95	mb 012·07	mb 012·15	mb 012·06	mb 011·90	mb 011·71	mb 011·59	mb 011·56	mb 011·58	mb 011·67	mb 011·77	mb 011·93	mb 012·09	mb 012·15	mb 012·12	mb 012·04	mb 011·82
Sea Level	013·69	013·50	013·32	013·16	013·11	013·15	013·26	013·44	013·62	013·73	013·81	013·72	013·56	013·37	013·25	013·22	013·24	013·33	013·43	013·59	013·76	013·82	013·79	013·71	013·48

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

356 VALENTIA OBSERVATORY: H_b = 13·7 metres 1935

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.	1030·07	+0·17	-0·03	-0·06	-0·19	-0·31	-0·50	-0·47	-0·29	+0·03	+0·25	+0·53	+0·29	-0·01	-0·34	-0·40	-0·28	-0·13	+0·04	+0·19	+0·29	+0·31	+0·30	+0·34	+0·29
Feb.	1006·48	+0·29	+0·14	+0·01	-0·32	-0·33	-0·22	-0·19	+0·13	+0·44	+0·61	+0·62	+0·54	+0·28	-0·15	-0·52	-0·57	-0·59	-0·45	-0·31	-0·11	-0·01	+0·16	+0·24	+0·30
Mar.	1020·10	+0·38	+0·29	+0·04	-0·18	-0·19	-0·22	-0·17	-0·04	+0·04	+0·04	+0·05	+0·03	-0·06	-0·33	-0·49	-0·56	-0·47	-0·23	+0·03	+0·26	+0·40	+0·51	+0·47	+0·42
Apr.	1010·25	+0·36	+0·17	-0·03	-0·18	-0·28	-0·25	-0·11	+0·07	+0·17	+0·29	+0·38	+0·32	+0·22	+0·02	-0·19	-0·48	-0·52	-0·54	-0·39	-0·08	+0·16	+0·25	+0·31	+0·32
May	1020·52	+0·34	+0·10	-0·04	-0·16	-0·24	-0·15	-0·06	+0·06	+0·08	+0·10	+0·09	+0·01	-0·10	-0·23	-0·28	-0·38	-0·45	-0·38	-0·22	-0·01	+0·36	+0·54	+0·56	+0·47
June	1008·29	-0·07	-0·35	-0·62	-0·71	-0·61	-0·56	-0·42	-0·26	-0·09	0·00	+0·12	+0·20	+0·22	+0·20	+0·22	+0·18	+0·22	+0·24	+0·30	+0·34	+0·46	+0·50	+0·33	+0·17
July	1021·68	+0·13	-0·05	-0·27	-0·40	-0·37	-0·29	-0·17	-0·08	+0·01	+0·03	+0·07	+0·09	+0·11	+0·08	+0·02	-0·07	-0·12	-0·14	-0·02	+0·08	+0·29	+0·39	+0·36	+0·31
Aug.	1017·12	-0·08	-0·30	-0·39	-0·53	-0·57	-0·39	-0·15	+0·03	+0·14	+0·20	+0·26	+0·20	+0·20	+0·18	+0·12	+0·04	-0·01	-0·05	-0·04	+0·19	+0·38	+0·31	+0·19	+0·09
Sept.	1008·42	+0·11	-0·01	-0·11	-0·18	-0·20	-0·09	+0·08	+0·20	+0·32	+0·50	+0·53	+0·45	+0·24	+0·06	-0·30	-0·40	-0·43	-0·41	-0·43	-0·21	-0·03	+0·09	+0·14	+0·09
Oct.	1011·82	+0·08	-0·07	-0·33	-0·44	-0·46	-0·42	-0·29	-0·02	+0·22	+0·41	+0·48	+0·43	+0·21	+0·03	-0·11	-0·18	-0·29	-0·16	-0·05	+0·04	+0·22	+0·29	+0·25	+0·19
Nov.	1001·74	-0·17	-0·37	-0·56	-0·74	-0·71	-0·62	-0·47	-0·12	+0·16	+0·39	+0·55	+0·35	+0·05	-0·25	-0·18	-0·01	+0·16	+0·33	+0·39	+0·45	+0·47	+0·44	+0·29	+0·16
Dec.	1003·80	+0·21	+0·01	-0·14	-0·31	-0·58	-0·71	-0·67	-0·44	-0·12	+0·12	+0·26	+0·02	-0·26	-0·47	-0·47	-0·19	0·00	+0·26	+0·39	+0·53	+0·65	+0·71	+0·70	+0·51
Year	1013·48	+0·15	-0·04	-0·21	-0·36	-0·41	-0·37	-0·26	-0·07	+0·11	+0·24	+0·32	+0·24	+0·09	-0·10	-0·21	-0·24	-0·22	-0·12	-0·01	+0·15	+0·31	+0·38	+0·35	+0·28

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

357 VALENTIA OBSERVATORY: H_b = 13·7 metres 1935

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.
1	029·7	020·6	026·2	016·5	001·4	978·7	024·1	019·8	015·5	012·4	009·4	997·6	021·0	013·8	023·9	018·5	008·1	000·2	005·6	999·8	999·2	991·8	992·6	985·0
2	036·7	029·7	021·1	015·0	011·2	001·4	026·1	023·9	012·6	007·5	997·8	996·3	022·1	013·4	026·5	023·6	007·6	002·2	999·9	975·1	000·1	990·7	999·6	992·2
3	036·6	033·3	020·4	015·7	025·3	010·1	025·8	022·4	007·6	004·9	996·6	995·0	025·7	022·1	026·6	025·8	008·1	007·2	988·8	973·7	994·9	977·2	003·0	992·8
4	035·9	033·3	017·8	013·6	025·3	023·8	022·4	014·5	014·4	007·3	995·8	990·8	028·6	025·5	026·2	024·1	009·8	007·1	997·7	988·8	000·3	979·8	003·5	993·9
5	033·3	020·2	018·0	010·6	030·4	024·9	016·2	011·7	025·1	014·4	002·7	994·1	027·3	024·5	028·0	024·1	015·2	009·3	003·5	997·7	004·3	995·5	013·3	001·2
6	022·1	018·7	028·9	015·4	031·7	030·4	012·6	996·8	031·6	025·1	001·7	988·2	024·8	021·3	029·2	027·6	019·7	015·1	013·8	003·5	002·9	000·7	012·9	005·9
7	021·8	020·5	030·3	028·8	031·1	028·9	999·6	997·3	031·4	029·4	005·1	983·9	021·3	016·3	027·6	018·1	018·9	013·0	013·6	002·3	000·7	989·8	014·5	008·7
8	023·1	020·0	029·1	025·7	031·5	030·0	000·1	987·5	029·9	027·9	015·8	005·1	016·3	013·4	018·4	015·6	015·4	011·7	006·5	002·5	998·8	986·8	018·6	014·3
9	026·6	023·1	025·9	024·4	032·0	027·0	992·7	977·9	029·1	022·7	015·3	003·8	013·9	010·9	019·9	018·0	016·7	015·3	005·0	986·4	995·2	980·8	031·8	018·5
10	026·4	019·5	024·8	022·0	027·5	025·4	995·3	978·8	024·3	019·0	003·8	992·1	023·5	013·6	019·1	014·1	016·3	009·6	009·3	992·9	008·6	995·2	035·5	031·7
11	019·5	008·6	022·0	010·8	033·1	027·0	007·7	995·3	021·7	019·4	001·0	991·9	024·6	022·7	014·1	005·9	009·6	999·2	018·5	009·3	008·4	994·1	034·6	030·6
12	021·6	016·9	012·4	003·3	033·0	027·0	007·4	003·8	022·5	020·1	002·7	000·8	022·7	018·7	019·0	006·2	002·2	997·6	023·1	018·5	998·7	992·1	031·4	030·0
13	024·2	017·6	005·8	999·2	027·0	020·0	006·6	999·4	023·4	022·4	002·6	998·4	023·7	017·1	020·7	018·8	003·8	998·1	021·4	012·8	001·7	991·8	030·0	022·0
14	030·4	024·1	016·3	014·2	020·1	008·8	009·5	994·6	028·8	021·6	003·3	998·4	026·4	023·6	020·1	018·9	004·8	995·2	023·0	020·0	999·7	994·9	022·0	007·1
15	034·0	030·3	014·2	006·0	008·8	991·0	009·5	999·7	028·8	022·0	006·8	002·9	026·2	022·6	018·9	016·1	996·8	989·6	021·2	018·4	994·9	992·1	008·4	006·1
16	036·9	033·5	017·4	997·4	001·3	989·8	999·7	984·8	027·5	020·0	010·0	006·3	022·6	018·1	016·2	014·9	996·5	963·5	028·7	020·9	993·0	989·8	008·7	002·3
17	037·8	036·2	020·9	016·3	011·4	001·3	005·9	996·0	020·4	012·4	009·8	001·7	018·2	014·1	015·4	013·5	003·7	979·8	028·3	025·7	004·6	991·8	012·2	001·9
18	039·3	037·6	016·3	001·1	010·5	004·8	005·3	996·4	021·1	016·1	014·7	002·6	014·1	008·3	018·1	014·4	005·6	990·7	027·0	008·1	006·7	996·4	011·8	998·1
19	039·5	036·3	002·9	989·4	008·4	002·9	999·7	995·5	016·1	009·2	014·1	007·5	008·3	996·7	018·6	017·2	007·0	991·4	014·5	009·0	996·4	985·5	010·2	000·5
20	042·4	039·5	989·4	981·4	013·7	008·4	995·5	991·7	016·9	008·1	008·7	002·9	019·2	999·0	017·2	008·0	019·2	006·9	020·6	014·4	001·7	991·8	009·8	006·6
21	043·3	041·7	988·9	977·7	013·3	007·7	998·0	991·0	025·9	016·9	010·2	002·5	021·9	017·1	013·6	006·6	018·7	013·1	020·1	014·3	006·3	000·4	010·4	008·4
22	042·0	039·4	985·2	978·5	010·3	002·9	013·0	998·0	026·7	021·4	018·6	007·2	023·8	021·9	011·4	003·8	017·8	010·1	014·8	005·3	008·7	005·7	008·4	005·0
23	039·8	037·1	985·3	980·4	017·4	008·5	023·6	013·0	021·4	018·6	023·2	018·6	025·0	022·3	012·5	005·9	018·0	008·3	008·1	998·7	016·4	008·4	005·0	982·2
24	037·1	015·7	985·3	963·1	023·7	017·4	024·3	022·9	021·2	020·1	022·6	014·6	029·3	025·0	021·4	012·5	012·9	005·0	012·7	008·1	023·2	016·3	982·2	974·7
25	015·7	003·1	000·6	965·8	026·1	023·4	023·3	021·1	020·9	018·1	014·6	006·5	028·8	026·0	022·6	017·8	019·1	012·9	022·0	012·7	023·1	011·5	975·0	965·3
26	026·4	009·9	001·6	979·3	026·7	025·8	022·6	019·7	019·8	018·3	009·2	004·1	026·4	022·7	017·8	002·1	015·6	007·7	025·4	021·9	016·1	009·7	972·0	964·2
27	031·0	026·4	980·4	974·7	028·7	025·4	026·4	022·3	019·5	016·2	021·7	009·2	022·7	019·1	004·4	000·1	008·7	006·4	024·8	020·6	016·0	005·2	984·2	971·9
28	030·0	027·0	990·0	980·3	029·9	027·7	027·8	026·1	016·2	014·2	026·0	021·6	022·3	019·3	007·1	999·6	009·2	004·1	025·5	021·1	009·6	003·2	995·3	984·2
29	027·6	026·5	---	---	030·5	029·0	027·6	022·3	014·5	011·0	026·0	020·2	025·0	022·1	007·1	005·2	009·3	002·0	021·4	013·6	010·2	004·7	995·8	977·0
30	026·6	021·5	---	---	029·5	022·1	022·3	015·5	011·4	010·3	023·6	021·0	024·7	021·6	005·2	002·4	002·2	999·9	013·8	990·5	004·8	985·6	988·2	967·0
31	028·5	024·8	---	---	022·1	019·6	---	---	010·9	009·4	---	---	021·6	017·6	008·5	003·7	---	---	991·8	986·3	---	---	986·5	978·6
Mean	1031·15	1025·57	1009·91	1000·24	1021·71	1015·20	1012·35	1004·66	1021·20	1016·66	1010·45	1002·86	1022·65	1017·75	1017·91	1013·00	1010·55	1002·41	1014·53	1005·58	1004·85	995·31	1006·69	997·67

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.

† See page 23.

U

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, 1935

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	84·8	84·8	84·7	84·9	85·0	84·9	84·8	85·0	85·0	84·9	85·0	85·1	85·0	84·9	85·0	85·0	84·9	84·7	84·8	84·9	84·9	84·4	84·6	84·4	84·9
2	84·2	84·1	83·9	83·5	83·5	83·4	83·4	83·5	83·5	83·5	83·7	83·9	84·1	84·0	83·9	83·6	83·2	83·0	83·0	82·9	82·8	82·7	82·8	82·8	83·5
3	82·7	82·6	82·8	82·8	82·9	82·8	82·8	82·9	82·2	82·3	82·4	83·5	83·8	84·1	84·5	84·7	84·5	84·3	84·0	84·2	83·9	83·0	82·8	82·4	83·3
4	82·5	82·0	82·0	82·0	81·9	82·0	82·2	82·0	81·7	81·8	82·2	82·5	82·9	82·3	82·0	81·9	81·5	81·4	81·4	81·3	81·3	81·0	81·0	81·0	81·9
5	80·9	80·9	80·9	80·6	80·9	81·0	81·0	80·7	80·7	81·1	82·4	82·9	82·9	82·9	82·7	82·6	82·5	82·2	81·5	81·5	81·4	81·4	81·0	81·1	81·6
6	81·0	81·4	81·3	81·6	81·8	81·9	81·0	80·8	79·2	78·9	78·3	78·4	78·6	78·5	78·2	77·9	76·7	75·7	75·2	74·7	74·2	74·0	74·2	73·4	78·4
7	72·9	73·2	72·0	73·0	73·0	73·5	74·0	74·0	74·5	75·0	75·6	76·5	77·4	77·8	78·0	78·0	77·4	77·2	77·2	77·0	76·2	76·0	75·0	74·4	75·3
8	74·0	74·1	74·0	74·9	75·8	76·1	77·0	78·6	78·4	79·1	79·4	79·2	79·0	79·4	79·5	79·8	79·0	78·5	78·1	78·8	78·8	77·9	77·6	77·0	77·6
9	76·5	75·9	75·4	74·5	74·0	74·3	74·0	74·0	74·7	75·5	76·9	77·7	79·0	80·0	80·1	80·2	80·0	80·0	79·9	79·9	80·2	80·0	80·1	80·1	77·6
10	80·6	80·9	81·0	81·0	80·6	80·8	80·7	80·7	80·2	81·0	81·7	81·9	82·1	82·0	81·9	81·6	81·4	81·6	81·6	81·7	81·7	81·9	81·4	81·4	81·3
11	82·0	82·2	82·2	82·5	82·5	82·9	82·4	81·7	81·5	79·9	81·0	80·6	80·4	79·4	79·8	79·4	79·8	80·4	80·0	79·9	80·2	81·0	81·1	81·0	81·0
12	80·5	80·8	80·0	79·0	79·1	80·4	80·1	80·4	80·0	81·0	80·7	80·4	80·4	80·5	80·8	82·0	83·0	83·2	83·0	83·0	83·0	82·9	82·9	83·1	81·2
13	83·5	83·7	83·8	83·6	83·4	83·5	83·5	83·5	83·4	83·4	84·0	84·3	84·0	83·7	83·5	83·5	83·9	84·0	83·9	83·9	84·0	83·0	83·4	83·0	83·6
14	83·0	82·8	82·5	82·5	82·4	82·2	82·1	82·0	82·0	82·1	82·5	82·5	82·6	83·0	82·5	82·2	82·0	82·0	82·1	82·0	82·0	81·9	81·2	81·0	82·3
15	81·2	81·2	81·9	82·0	82·0	82·0	82·2	82·0	82·0	81·7	82·4	82·9	82·8	82·9	82·1	82·0	81·4	81·5	81·5	81·6	82·0	82·0	81·9	81·8	81·9
16	82·0	81·8	81·9	81·7	81·6	82·0	82·0	81·9	81·9	81·8	82·0	82·6	83·0	82·9	82·9	82·5	82·2	82·2	82·2	82·0	81·8	81·8	82·1	82·0	82·1
17	81·8	81·9	81·5	81·4	81·4	81·2	81·4	81·5	81·3	81·4	82·0	82·0	82·1	82·2	82·3	82·2	81·9	81·8	81·8	81·9	81·9	81·6	82·0	81·9	81·8
18	81·5	81·3	81·3	81·5	81·0	80·0	78·6	77·9	78·1	78·9	79·0	80·0	80·4	80·4	80·8	80·2	80·2	80·2	80·0	79·1	78·9	79·0	78·6	77·4	79·9
19	77·6	77·5	76·9	77·0	76·9	78·4	79·1	79·4	79·5	79·6	79·3	79·4	79·6	79·6	79·8	79·7	79·7	79·7	79·0	79·0	79·0	79·3	79·2	79·0	78·9
20	79·0	79·0	78·8	78·5	78·4	78·1	78·0	78·0	78·0	78·0	78·2	78·5	78·6	78·9	78·6	78·4	78·4	78·4	78·5	78·4	78·2	78·0	78·0	77·9	78·4
21	77·7	77·5	77·5	77·4	77·2	77·0	77·0	76·8	76·5	76·1	76·0	76·2	76·5	76·5	76·9	76·9	76·9	76·9	76·8	75·5	75·0	75·0	74·3	74·0	76·5
22	74·3	74·5	74·9	75·0	75·8	76·1	76·9	76·9	76·7	77·0	77·8	78·3	79·0	79·9	80·0	80·0	79·6	79·3	79·1	79·0	79·0	79·0	78·9	78·5	77·6
23	78·4	78·3	78·4	78·4	78·4	78·4	78·5	78·6	78·4	78·5	79·0	80·0	81·1	82·2	82·3	82·3	82·1	82·5	82·5	82·1	82·0	81·9	82·0	82·0	80·3
24	81·8	81·4	81·3	81·4	81·7	82·0	82·0	82·1	82·1	82·1	82·6	82·7	82·9	82·9	83·0	83·0	83·0	83·1	83·4	83·7	83·8	83·5	83·3	83·3	82·6
25	83·4	83·4	83·1	83·0	82·0	82·0	81·5	81·9	80·4	81·1	80·5	81·2	81·4	80·8	79·3	80·8	79·9	80·7	80·9	81·8	81·8	81·7	80·3	81·1	81·5
26	81·0	80·5	80·9	79·9	79·8	80·0	80·1	79·7	79·6	80·5	80·8	79·9	80·4	81·0	80·6	80·4	80·3	80·0	80·0	79·9	79·9	79·8	79·5	79·2	80·2
27	79·3	79·1	79·1	79·6	79·6	79·5	79·0	78·0	77·8	78·0	78·4	79·0	79·0	79·0	78·9	78·9	78·5	78·1	77·5	77·6	77·2	76·9	76·9	76·9	78·5
28	76·2	76·0	76·1	76·3	76·3	76·3	76·3	76·6	77·0	77·1	78·4	79·2	80·1	80·4	80·4	80·3	79·9	79·7	79·8	79·9	80·0	80·1	79·8	79·6	78·4
29	79·5	79·8	79·9	80·4	81·0	80·8	80·6	80·2	79·8	80·0	80·0	80·4	81·3	81·5	81·6	81·4	80·9	79·0	79·0	78·2	79·1	79·2	78·8	(78·8)	80·1
30	(79·0)	(79·6)	(80·2)	(80·4)	(80·5)	(80·7)	81·2	81·2	80·9	81·3	82·5	82·7	83·0	82·8	82·9	82·8	82·5	82·4	82·4	81·5	81·0	81·1	81·4	81·0	81·4
31	80·4	80·1	80·6	80·1	80·2	80·0	79·5	80·0	79·6	80·8	81·1	81·3	81·2	81·4	81·6	80·7	80·4	80·4	80·0	80·4	80·3	80·1	80·9	80·6	80·5
Mean	80·1	80·1	80·0	80·0	80·0	80·1	80·1	80·1	79·9	80·1	80·5	80·8	81·1	81·2	81·2	81·1	80·9	80·8	80·6	80·6	80·5	80·4	80·2	80·0	80·4

359. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres FEBRUARY, 1935

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	81·0	81·4	81·7	81·9	81·7	81·5	82·0	81·9	82·0	82·2	82·4	82·6	82·9	83·0	83·0	83·1	83·0	83·1	83·2	83·2	83·2	83·4	83·4	83·3	82·4
2	83·7	83·7	83·9	83·9	83·9	83·9	83·9	83·9	83·9	83·6	83·1	83·2	83·2	83·4	83·6	83·2	83·0	83·0	82·5	82·4	82·1	82·0	81·9	83·6	83·3
3	84·0	84·0	84·0	84·0	84·0	84·1	84·2	84·5	84·5	84·9	84·8	84·9	84·9	85·0	85·0	84·8	84·8	84·4	84·7	84·8	84·7	84·8	84·8	84·7	84·5
4	84·7	84·5	84·1	84·2	84·2	84·1	83·4	82·7	82·1	82·1	82·4	83·0	83·4	83·0	82·1	82·0	81·8	81·5	80·9	80·9	80·5	80·8	80·8	80·9	82·6
5	80·6	80·9	81·1	81·0	81·1	81·4	81·3	81·3	81·4	82·0	82·6	82·4	82·5	82·2	82·1	82·7	83·2	83·2	82·7	82·8	81·9	81·2	81·1	80·1	81·8
6	80·9	80·9	81·0	81·0	81·0	81·1	81·2	81·1	81·0	81·2	81·0	81·2	81·1	81·1	81·0	80·9	80·3	80·0	79·4	79·0	79·0	77·9	77·0	76·6	80·3
7	75·6	75·2	74·0	73·5	73·2	73·2	72·6	72·5	72·9	73·3	76·4	78·5	78·5	79·0	78·9	79·1	78·7	78·0	77·8	77·0	76·1	75·6	74·5	73·7	75·8
8	73·9	73·8	72·7	72·7	72·5	72·2	73·0	72·0	72·8	72·9	74·9	76·6	77·4	78·4	79·0	79·2	78·7	76·5	75·5	74·9	74·8	73·8	73·9	72·9	74·8
9	73·1	73·4	73·1	73·0	73·9	72·4	72·7	72·1	73·0	73·2	75·7	77·6	78·9	79·4	79·5	79·5	79·2	78·2	77·0	76·1	76·5	77·2	78·3	79·0	75·8
10	79·0	78·9	79·0	79·0	79·0	79·1	79·2	79·2	79·6	80·0	80·2	80·6	80·9	81·0	81·1	81·0	81·0	81·0	81·0	81·0	81·0	80·9	81·0	80·9	80·2
11	81·0	81·2	81·1	81·5	81·5	81·5	81·9	81·6	81·2	81·6	82·1	82·4	82·5	82·8	82·7	82·8	82·5	82·3	82·4	82·6	83·0	82·9	82·8	82·8	82·1
12	82·2	82·0	81·7	81·9	81·8	81·4	81·7	81·1	80·7	81·3	82·5	82·6	83·4	83·2	83·1	83·1	83·0	83·0	82·9	82·9	82·9	83·0	83·0	82·4	82·4
13	82·5	82·8	82·2	82·6	83·8	84·0	84·3	84·1	84·1	84·2	84·4	84·4	84·8	84·0	84·1	84·1	83·9	83·2	83·4	83·5	83·2	82·9	82·9	82·9	83·6
14	82·9	81·9	82·0	82·0	81·4	81·7	81·9	81·5	82·0	82·0	84·2	82·9	83·0	83·2	83·0	82·7	82·7	82·2	81·6	81·4	81·0	81·0	81·1	81·4	82·1
15	82·2	82·1	81·9	82·0	83·9	84·0	84·2	84·2	84·2	84·4	84·6	84·9	85·0	85·0	85·0	85·0	85·0	84·7	84·9	85·0	85·1	85·2	85·0	85·0	84·2
16	85·3	85·2	85·2	85·3	85·2	85·1	85·1	85·0	85·0	84·0	84·2	84·3	84·0	84·1	83·4	83·3	82·9	82·9	82·3	82·4	82·0	82·3	82·1	81·8	83·9
17	82·5	82·2	82·7	82·3	82·5	81·8	82·2	82·1	82·1	83·5	83·9	84·1	84·5	84·5	84·1	84·1	83·7	82·9	83·0	82·6	82·4	82·5	82·8	83·1	83·0
18	83·5	83·0	82·9	82·9	83·8	84·1	84·2	84·4	84·5	84·9	84·9	85·0	85·0	85·0	84·5	84·6	84·8	84·5	84·4	84·4	84·2	84·4	84·1	84·3	84·2
19	84·1	84·0	83·9	83·9	82·9	83·0	82·8	81·8	81·7	81·9	81·9	82·3	82·9	83·0	82·4	82·2	82·4	82·2	82·4	83·0	82·7	82·9	83·0	83·1	82·8
20	83·5	83·8	84·3	84·3	84·4	84·1	83·8	83·3	83·3	83·8	84·1	84·0	82·0	83·0	83·1	81·9	82·2	82·0	80·6	80·4	80·9	81·6	81·9	81·7	82·9
21	81·3	80·7	80·1	80·7	81·0	81·9	81·5	80·7	80·9	80·2	81·9	81·0	81·6	81·0	79·9	79·1	79·0	78·0	78·5	78·6	78·4	78·0	77·9	78·4	80·1
22	78·9	78·9	78·8	79·6	78·8	78·7	79·0	78·0	79·0	79·8	80·1	79·4	80·0	77·9	78·8	78·8	78·0	77·8	76·9	77·2	77·0	77·1	78·0	77·5	78·5
23	77·6	76·9	75·0	75·5	75·2	75·1	75·4	75·1	75·9	76·9	77·1	79·0	79·7	79·6	79·9	79·7	79·3	78·8	78·3	78·8	80·2	79·3	78·0	77·6	77·7
24	77·5	77·4	77·6	78·4	77·8	77·8	78·1	79·0	79·7	80·0	81·0	80·8	80·1	79·5	79·8	80·3	79·6	79·4	78·8	79·7	79·8	79·7	79·6	77·4	79·1
25	77·0	77·0	78·0	78·5	78·0	78·1	78·1	78·0	78·1	77·9	77·9	77·8	77·8	78·1	78·2	78·1	78·0	77·7	77·3	77·3	76·6	76·0	75·0	74·3	77·5
26	73·8	73·1	72·9	74·9	76·1	76·2	76·9	76·8	77·5	78·8	79·5	80·3	80·9	80·6	80·7	80·8	81·0	81·6	81·9	81·0	79·0	78·9	79·3	79·4	78·3
27	79·4	78·5	78·0	78·5	79·5	79·6	79·0	79·8	79·7	81·1	80·1	81·5	82·2	82·0	81·3	81·6	81·8	80·2	80·9	80·1	80·5	80·5	80·0	80·8	80·2
28	80·6	80·4	79·9	79·8	80·0	79·9	79·4	79·0	78·8	76·8	78·0	78·3	79·6	78·6	79·2	79·7	80·0	79·7	79·0	79·0	79·0	79·2	80·3	80·4	79·4
Mean	80·4	80·3	80·1	80·3	80·4	80·4	80·4	80·2	80·4	80·7	81·2	81·6	81·9	81·8	81·7	81·7	81·6	81·1	80·9	80·8	80·6	80·5	80·5	80·3	80·8
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 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, 1935**

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	80·5	80·1	79·0	79·0	79·0	78·7	78·8	78·9	79·3	80·3	81·1	82·4	83·0	83·2	83·0	82·6	82·0	81·5	81·0	81·6	81·2	81·2	81·2	81·0	80·8
2	81·1	81·2	81·3	81·3	81·0	81·0	80·8	79·8	80·0	81·5	82·2	83·0	83·1	83·1	83·0	83·1	82·6	81·2	81·0	81·2	81·5	81·2	81·0	80·9	81·5
3	81·6	81·8	81·2	81·2	80·4	81·1	80·2	80·4	80·3	81·0	81·0	81·1	81·5	82·1	82·0	82·0	81·6	81·2	80·5	81·0	80·2	80·6	80·0	79·0	81·0
4	78·1	77·0	76·3	75·9	75·3	76·1	76·3	76·8	79·1	80·9	82·0	82·7	83·0	83·2	83·4	83·1	82·9	82·0	81·4	81·9	82·1	81·9	80·7	80·7	80·1
5	80·5	79·9	80·0	79·9	79·8	79·1	78·4	78·4	79·0	80·9	82·4	83·6	84·0	84·0	84·1	84·0	83·8	83·3	83·0	82·8	82·7	83·0	82·8	83·0	81·7
6	83·0	82·9	82·1	82·0	81·0	81·0	81·0	80·9	81·9	82·4	83·2	83·7	83·7	83·7	83·6	83·1	82·6	82·2	81·0	81·1	81·0	81·0	80·8	81·4	82·1
7	81·1	81·0	81·0	80·9	80·9	80·8	80·3	81·0	82·5	83·0	83·0	83·8	84·1	84·8	84·1	83·8	83·7	83·0	82·5	82·4	82·3	82·0	82·0	82·0	82·3
8	81·9	81·9	81·9	81·9	81·4	81·1	81·1	81·3	81·5	81·9	81·9	82·4	83·0	83·1	82·9	82·9	82·0	81·5	81·4	81·4	80·9	80·3	79·4	79·1	81·6
9	79·5	79·1	79·4	79·8	79·4	78·9	78·0	77·6	78·0	78·2	78·1	78·0	78·2	78·4	78·7	78·0	77·4	77·1	76·1	75·6	75·9	75·4	75·5	75·2	77·8
10	75·1	75·2	75·1	75·0	75·1	75·1	75·1	75·4	75·5	75·8	76·2	76·8	77·2	76·9	77·2	77·1	77·0	76·9	76·4	76·1	77·2	77·3	77·3	77·0	76·2
11	76·8	76·2	76·0	75·9	75·4	75·1	75·5	75·7	76·0	77·3	78·1	78·9	79·6	80·0	80·8	80·8	81·0	80·4	78·9	79·0	78·8	78·0	77·5	78·1	77·9
12	79·1	78·9	79·2	79·1	79·5	79·6	79·6	80·0	80·0	80·2	80·6	81·0	81·5	81·7	81·5	81·1	81·0	80·4	80·0	79·9	79·9	79·8	80·0	80·0	80·1
13	80·2	80·3	80·4	80·5	80·5	80·3	80·2	80·0	80·5	80·9	81·4	81·9	82·0	82·2	82·1	82·1	81·9	81·4	81·0	80·5	80·1	79·8	79·0	79·5	80·8
14	79·2	79·6	79·8	79·1	79·2	79·0	79·1	78·9	79·4	80·5	81·2	81·7	82·0	82·1	82·0	81·8	80·9	80·1	79·5	79·4	79·8	79·8	80·0	79·9	80·2
15	80·0	80·9	80·5	80·5	80·9	81·0	81·2	81·8	82·0	82·2	82·9	83·0	82·8	82·4	82·7	82·3	82·4	82·3	82·1	82·0	81·8	81·8	81·9	82·1	81·8
16	81·9	81·6	82·1	82·0	82·0	82·0	82·0	82·0	82·4	82·4	83·2	84·0	83·9	83·5	83·2	82·1	81·4	81·2	81·0	80·5	81·7	81·7	81·4	81·6	82·1
17	81·5	81·6	81·5	81·5	81·7	81·4	81·4	81·2	81·9	82·2	82·6	83·3	83·3	83·1	83·3	83·0	82·8	82·3	81·8	82·0	82·0	81·4	81·5	82·0	82·1
18	82·4	82·6	83·2	83·3	83·3	83·4	83·5	83·6	83·8	83·9	84·0	84·1	84·2	84·1	84·2	84·5	84·4	84·2	84·0	84·0	84·0	84·0	84·0	84·0	83·7
19	84·0	84·0	83·7	83·3	83·4	83·6	83·8	83·8	83·9	83·9	84·0	84·1	84·4	84·5	84·5	84·5	84·0	83·9	83·8	84·0	83·8	83·2	82·0	82·0	83·8
20	82·3	81·9	82·1	82·0	81·2	81·6	81·2	81·0	82·8	84·0	84·3	84·4	84·2	84·6	83·9	83·8	83·4	83·2	82·9	82·9	82·9	82·8	82·9	82·8	82·9
21	82·9	82·8	82·7	82·2	82·2	82·3	83·0	83·0	83·3	83·4	83·5	83·4	83·6	83·5	83·5	84·0	84·0	83·7	83·9	83·4	83·7	82·7	82·8	83·0	83·2
22	83·0	82·8	82·4	82·9	82·8	82·1	81·2	82·1	81·2	81·9	82·9	83·5	84·0	83·9	82·0	82·3	82·3	83·1	82·9	82·8	82·7	82·7	82·8	82·9	82·6
23	82·9	83·0	82·4	83·3	83·7	84·1	84·0	84·2	84·6	84·2	84·7	85·0	84·9	85·2	84·8	85·0	85·0	84·8	84·9	84·7	84·7	85·0	85·0	84·8	84·3
24	84·8	84·6	84·1	84·0	84·0	83·9	84·2	84·4	84·5	84·6	84·9	85·0	85·0	85·0	84·9	84·4	84·5	84·5	84·0	83·9	83·9	83·9	84·0	83·3	84·4
25	83·6	83·6	83·7	83·6	83·5	83·5	83·4	83·7	84·0	84·0	84·2	84·2	84·4	84·5	84·3	84·5	84·3	84·0	83·8	83·8	83·5	83·4	83·4	83·3	83·8
26	83·2	83·0	83·0	82·8	82·7	82·7	82·7	82·8	83·0	83·2	83·3	83·2	83·5	83·5	83·2	82·9	82·8	82·4	81·9	81·4	81·4	81·5	81·3	81·3	82·7
27	81·3	81·2	81·0	80·1	79·5	78·4	78·6	79·3	80·8	81·2	81·8	83·5	83·8	83·4	84·2	85·0	84·3	84·0	82·4	81·2	81·3	80·3	79·8	79·2	81·5
28	78·5	78·8	79·8	80·4	80·1	79·9	79·7	79·5	80·0	80·9	80·5	81·5	82·4	83·2	83·5	83·5	83·2	82·7	81·5	80·4	80·9	81·3	81·1	79·9	81·0
29	78·5	77·6	78·9	77·9	78·3	78·8	79·5	80·1	80·9	81·9	82·5	83·0	83·6	84·5	84·5	83·8	83·4	83·0	82·6	82·4	82·3	82·2	82·0	82·0	81·4
30	81·8	81·8	81·5	81·4	81·2	81·2	81·0	81·2	81·8	81·9	82·5	82·9	82·9	82·8	83·0	82·8	82·4	82·1	81·9	81·3	81·0	80·1	80·6	80·9	81·8
31	81·0	81·3	81·4	81·4	81·7	82·0	82·3	83·0	83·5	84·0	84·3	84·4	85·0	85·1	84·4	84·1	84·0	83·9	83·6	83·5	83·6	83·6	83·3	82·9	83·2
Mean	81·0	80·9	80·9	80·8	80·6	80·6	80·6	80·7	81·2	81·8	82·2	82·7	83·0	83·1	83·0	82·8	82·5	82·2	81·7	81·6	81·6	81·4	81·2	81·1	81·6

361. **VALENTIA OBSERVATORY:** North Wall Screen: h_t = 1·3 metres **APRIL, 1935**

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	82·5	82·1	82·2	82·0	81·8	81·4	81·4	81·3	82·0	82·1	82·7	82·8	83·0	83·0	83·0	82·9	82·8	82·0	81·5	81·3	81·1	80·9	81·2	81·1	82·0
2	81·0	80·9	81·0	80·9	80·7	80·0	80·4	81·2	81·2	81·4	81·6	82·0	82·5	82·7	82·6	82·5	82·2	81·9	81·0	80·7	80·5	80·5	80·7	80·6	81·3
3	79·8	79·4	79·2	79·0	78·6	78·2	78·0	78·9	80·0	81·0	81·1	81·7	81·9	82·7	82·1	82·0	81·8	81·4	80·9	80·8	80·3	80·5	80·6	81·0	80·4
4	80·9	80·6	80·3	80·9	81·1	81·0	80·7	81·4	81·7	81·6	81·8	82·0	82·3	82·5	82·1	82·3	81·6	81·3	81·0	80·5	80·3	80·0	80·0	79·6	81·2
5	80·0	80·3	80·5	80·7	80·8	80·7	80·5	81·0	81·0	82·0	83·0	81·4	83·2	81·5	81·4	81·9	81·7	80·8	80·5	80·4	80·5	80·3	80·0	80·1	81·0
6	80·1	79·8	79·5	79·5	79·4	79·5	79·8	80·6	81·8	82·2	82·8	82·2	81·4	81·5	81·9	82·4	82·1	82·9	83·2	83·1	82·9	82·8	82·8	82·3	81·5
7	82·4	82·2	82·0	81·9	81·9	81·2	80·6	80·9	81·8	82·5	83·0	83·6	83·2	83·5	83·1	83·0	83·3	83·0	82·0	82·1	81·8	80·6	80·6	79·9	82·1
8	80·0	80·0	79·5	79·3	80·8	80·7	81·5	81·8	82·5	83·0	83·7	83·9	83·4	83·1	82·4	81·4	81·2	81·5	82·5	83·1	83·2	83·6	84·0	83·7	82·0
9	83·5	83·5	83·4	82·9	83·1	83·3	83·2	84·1	84·5	85·1	86·0	85·7	85·2	85·5	84·2	83·9	83·7	84·2	84·7	84·5	84·7	84·7	84·5	84·0	84·2
10	83·2	83·2	83·2	82·9	83·0	83·1	83·5	84·0	83·8	84·8	85·2	85·2	85·9	85·9	85·4	85·0	84·0	83·5	83·2	82·5	83·2	82·4	81·9	82·1	83·8
11	82·1	81·9	81·5	81·6	81·4	81·6	80·9	82·4	83·2	83·2	84·0	84·3	84·5	84·8	84·7	84·6	83·9	83·4	82·4	81·2	81·6	80·5	80·2	80·0	82·5
12	80·3	79·9	79·3	79·0	78·4	79·0	80·4	81·0	82·0	82·4	83·4	84·0	84·5	85·0	85·0	84·9	84·1	83·1	82·9	82·0	81·4	82·0	80·0	79·6	81·8
13	78·7	78·9	80·0	80·1	80·3	79·8	80·0	81·9	83·0	83·3	84·3	84·2	84·9	85·5	84·0	84·6	83·4	82·5	81·8	80·5	80·2	79·7	79·6	80·1	81·7
14	79·9	80·3	80·1	80·9	80·4	82·3	82·8	83·0	82·4	83·1	83·0	82·5	83·0	83·6	84·2	84·8	84·1	84·0	83·9	83·3	82·5	82·4	82·4	82·9	82·5
15	82·1	82·1	81·0	80·3	81·0	80·0	80·3	81·1	82·5	83·1	84·0	84·4	84·4	84·2	84·6	83·9	83·4	83·1	81·2	81·2	80·3	80·7	80·7	80·9	82·1
16	80·0	79·3	79·5	79·9	79·1	78·3	79·8	80·9	81·5	80·9	82·1	83·1	81·4	81·1	81·5	82·7	81·1	80·9	81·0	80·3	80·2	80·1	80·9	80·5	80·7
17	80·0	81·0	80·7	81·0	80·7	80·1	81·4	82·0	82·1	82·1	82·6	82·5	82·9	83·5	84·0	83·8	83·8	83·4	83·0	82·7	82·6	82·4	82·4	82·3	82·2
18	82·0	82·5	81·6	80·9	81·0	81·9	83·2	83·6	84·0	84·4	85·0	85·5	85·4	86·0	85·4	84·6	84·2	83·5	82·4	82·0	81·9	82·1	82·1	82·0	83·2
19	82·0	82·0	81·1	81·6	80·9	80·4	80·3	82·0	83·6	84·2	84·4	85·1	85·0	85·2	84·7	85·2	85·0	84·0	83·8	83·1	83·0	83·2	82·9	82·5	83·1
20	82·5	82·2	82·1	81·9	81·1	80·0	80·9	82·4	83·5	84·1	84·1	85·2	85·4	83·5	85·0	86·1	85·4	84·8	84·5	83·6	83·0	82·2	81·4	80·8	83·2
21	80·3	80·2	80·3	80·5	81·1	81·5	82·0	82·7	83·0	83·7	84·2	83·4	84·0	84·0	84·1	84·0	83·1	83·0	82·7	82·4	82·3	82·0	82·1	82·0	82·4
22	81·8	81·9	82·0	82·1	82·0	82·0	82·2	82·7	82·1	82·2	82·8	83·2	82·9	83·1	82·9	83·2	82·9	82·8	82·4	82·5	82·4	82·4	82·5	82·3	82·5
23	81·9	82·0	81·8	81·6	81·5	81·2	81·2	81·6	81·9	82·3	82·7	82·7	82·9	82·6	83·0	83·3	83·0	82·8	82·1	81·8	81·5	81·1	80·8	80·3	82·0
24	79·4	79·1	79·4	78·9	78·1	77·9	79·2	80·8	81·9	81·9	82·4	83·4	83·5	84·1	84·6	84·6	84·5	84·4	83·9	82·9	81·9	80·9	80·3	79·7	81·6
25	78·7	78·0	77·9	78·5	78·0	77·0	79·5	83·0	84·2	84·5	85·9	86·6	87·0	86·9	86·9	86·8	86·0	85·2	84·3	83·5	83·2	82·3	81·1	80·8	82·7
26	80·0	78·9	79·8	78·7	80·0	78·4	81·0	82·3	84·6	85·9	87·1	87·3	87·1	88·0	87·5	87·0	86·7	86·4	85·1	83·7	82·3	82·1	81·0	80·0	83·4
27	79·6	79·1	79·3	78·9	79·1	79·1	81·5	84·0	86·5	86·8	87·4	88·7	89·1	89·5	89·5	89·1	88·0	87·3	86·4	85·0	83·9	83·0	81·8	81·6	84·3
28	80·4	79·9	79·3	79·9	78·8	78·5	80·4	83·3	85·4	87·0	86·3	86·7	87·0	87·3	87·4	87·1	87·0	86·5	85·8	84·2	83·1	82·7	81·6	80·8	83·6
29	80·0	79·4	79·4	78·7	78·4	78·8	80·0	82·1	85·5	86·5	87·1	87·7	87·9	87·8	87·0	87·2	86·5	85·6	85·0	84·5	84·3	84·1	84·1	84·0	83·7
30	84·0	83·8	83·8	83·8	83·5	83·6	83·9	84·5	84·9	85·3	85·5	85·5	84·2	84·7	85·0	84·7	84·8	85·1	84·6	84·2	83·9	84·0	83·8	84·0	84·4
Mean	81·0	80·8	80·7	80·6	80·5	80·3	81·0	82·1	82·9	83·4	84·0	84·2	84·3	84·4	84·3	84·3	83·8	83·5	83·0	82·5	82·1	81·9	81·6	81·4	82·4
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

362. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — MAY, 1935

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	83·7	84·1	83·3	83·4	84·0	84·1	84·7	84·8	85·1	85·0	85·5	85·3	85·9	85·8	85·4	85·2	85·2	85·1	85·0	85·0	85·0	84·8	84·6	84·6	84·8
2	84·4	84·8	84·8	84·8	84·8	84·7	84·9	85·0	85·1	85·1	85·7	85·3	85·4	85·1	85·1	85·2	85·0	85·0	84·9	84·9	84·9	84·8	85·0	85·0	85·0
3	85·1	84·7	84·5	84·3	84·0	84·7	84·8	85·2	85·7	85·7	85·8	85·3	85·7	86·0	85·3	85·2	85·1	85·0	84·4	84·1	83·7	83·8	83·7	83·2	84·8
4	83·2	83·0	82·9	82·2	81·4	80·9	82·2	84·2	34·3	84·6	84·7	84·9	85·4	85·8	85·1	84·9	84·8	84·3	84·1	83·9	83·8	83·6	82·6	82·0	83·7
5	82·6	82·9	82·5	83·1	82·1	81·6	83·1	85·2	86·0	86·6	87·0	86·9	86·0	86·3	86·0	86·8	86·4	85·9	85·2	84·3	83·5	83·0	81·4	81·2	84·4
6	81·0	79·9	79·1	79·0	79·2	79·0	82·6	84·1	86·4	85·0	85·9	85·3	86·2	87·4	86·6	87·2	86·3	87·0	86·2	85·3	85·0	84·2	83·1	82·9	83·9
7	82·0	81·0	81·0	80·3	80·8	81·9	82·2	83·6	84·6	85·7	86·0	85·9	86·4	86·8	86·8	87·0	86·5	86·4	86·5	85·8	85·3	84·4	84·0	83·3	84·3
8	82·4	82·4	82·4	82·4	82·2	82·4	84·7	86·5	88·3	89·9	89·7	90·2	91·9	92·9	89·9	90·4	90·4	88·2	86·4	85·6	85·0	84·4	84·0	83·5	86·5
9	82·2	81·0	80·1	80·2	79·0	79·9	81·2	83·9	85·9	87·9	89·5	90·3	90·9	91·1	90·5	89·2	88·3	87·5	87·3	85·9	85·1	83·8	83·8	82·7	85·3
10	82·6	82·0	81·9	81·6	81·0	80·8	82·8	83·4	84·5	85·2	86·2	87·0	88·0	88·2	88·7	88·8	89·4	89·1	88·5	87·1	85·9	85·4	85·1	85·3	85·3
11	85·0	84·2	83·4	82·2	81·6	81·7	84·4	86·8	88·3	88·9	89·2	89·0	90·4	91·2	91·8	90·9	89·0	88·8	88·1	86·2	85·0	83·9	83·2	82·4	86·5
12	81·9	81·3	80·8	80·3	80·4	82·0	84·0	86·9	89·0	89·8	91·0	91·5	91·9	91·9	91·2	90·6	90·0	89·2	87·5	85·8	85·6	86·1	85·4	85·2	86·6
13	84·4	83·8	83·6	82·3	81·9	82·1	83·1	85·0	85·7	85·5	87·0	87·4	87·0	86·4	86·5	85·5	85·6	84·7	84·2	83·8	83·5	83·1	83·4	82·9	84·6
14	82·3	82·3	82·8	81·9	82·5	82·8	83·2	83·8	84·2	84·2	84·8	85·2	85·8	86·0	86·0	86·2	85·9	85·4	84·8	83·2	80·9	80·0	79·1	77·4	83·5
15	77·0	76·3	76·0	75·6	75·8	76·5	79·2	83·1	85·3	85·3	85·0	85·1	85·5	84·4	84·0	84·5	84·6	85·1	83·7	83·2	82·8	82·3	80·9	80·2	81·7
16	80·2	80·0	79·6	79·7	79·4	79·2	79·0	79·9	80·5	80·3	81·0	81·9	82·4	82·4	82·8	83·0	83·0	82·3	81·1	80·4	79·9	80·1	80·8	80·9	80·8
17	81·2	80·8	80·6	80·7	81·0	81·8	80·1	80·3	79·5	80·5	80·8	81·0	81·2	82·1	82·1	82·0	82·2	82·6	82·0	82·0	81·6	81·0	80·5	80·2	81·2
18	80·1	79·9	79·7	78·9	78·0	80·0	80·0	81·2	82·0	81·6	82·2	82·9	82·7	83·0	83·8	84·0	83·4	83·3	83·0	83·0	82·9	83·0	83·5	83·6	81·8
19	82·8	83·2	83·0	82·9	83·0	83·1	83·5	84·4	84·2	84·4	85·3	85·6	85·6	84·5	85·2	84·9	85·1	84·7	84·0	83·8	83·1	82·8	82·8	83·0	84·0
20	83·0	82·4	82·2	82·4	82·9	82·8	83·2	83·2	83·1	83·4	83·0	83·2	83·7	83·6	83·9	83·3	83·2	84·1	83·3	83·0	82·4	82·1	82·4	82·6	83·0
21	82·5	82·1	82·5	82·2	81·5	82·2	83·3	84·0	84·8	85·7	85·6	85·3	86·8	87·5	88·0	88·2	88·2	87·8	87·1	85·4	84·0	83·6	83·0	82·7	84·7
22	82·2	81·8	81·0	80·9	79·9	80·1	82·2	84·9	86·9	87·2	88·0	88·1	88·0	88·0	88·0	87·6	86·2	86·0	85·4	85·0	84·1	84·3	84·2	83·9	84·7
23	83·2	83·5	82·9	82·0	81·7	83·1	83·7	84·3	83·0	83·9	84·9	85·0	86·1	87·0	87·5	88·2	88·2	87·0	86·2	85·3	84·0	83·7	83·4	82·9	84·6
24	83·0	82·0	81·4	81·4	80·9	81·8	84·6	86·9	87·9	87·7	88·2	89·0	88·8	89·1	89·0	89·2	88·1	88·0	87·0	86·6	86·4	86·3	86·7	86·9	86·0
25	86·3	85·8	85·0	83·6	83·4	83·7	85·1	87·0	88·4	88·3	89·0	89·7	90·2	90·4	89·9	90·5	91·3	91·0	90·6	88·5	87·7	87·4	87·0	87·0	87·8
26	87·2	86·9	87·0	86·6	86·4	86·9	88·0	88·5	89·8	90·7	90·2	91·3	89·1	88·9	88·2	88·3	88·1	87·0	86·5	85·5	85·0	84·0	83·0	81·3	87·4
27	81·0	80·4	80·3	79·1	79·4	81·0	83·3	85·4	88·1	88·5	89·4	89·6	90·3	90·2	89·8	89·0	89·5	89·3	88·0	87·3	86·5	85·5	84·2	84·3	85·7
28	83·2	82·4	82·2	82·2	82·3	82·3	84·4	87·5	88·5	89·5	88·7	89·4	89·4	89·6	89·2	88·3	88·1	87·8	87·4	86·3	85·0	83·7	83·3	82·9	86·0
29	82·2	82·1	81·1	80·9	81·4	82·2	83·2	84·2	86·8	88·1	88·1	88·2	88·3	88·3	87·8	87·6	87·5	87·0	86·6	86·0	85·2	84·8	84·1	83·4	85·2
30	82·7	82·0	82·3	82·3	81·7	82·7	84·2	85·0	86·4	87·9	88·5	88·4	88·5	88·2	88·4	87·4	87·6	87·1	86·8	86·4	86·2	86·3	86·2	86·1	85·7
31	86·0	85·9	85·9	85·9	85·7	85·6	85·6	85·5	87·0	88·8	88·2	89·5	90·2	89·4	89·6	89·5	89·0	87·9	87·3	86·2	85·5	85·5	85·4	85·7	87·1
Mean	82·8	82·4	82·1	81·8	81·6	82·1	83·2	84·6	85·7	86·2	86·6	86·9	87·2	87·3	87·2	87·1	86·8	86·4	85·8	85·0	84·3	83·9	83·5	83·2	84·7

363. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — JUNE, 1935

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	85·2	84·6	83·9	84·3	84·7	86·0	86·1	86·2	86·7	86·8	88·4	88·7	88·9	87·3	87·9	87·6	87·6	86·9	87·1	87·0	86·3	86·0	86·4	86·1	86·5
2	85·2	85·0	84·8	84·2	83·6	83·4	86·0	86·0	87·0	88·0	87·9	87·8	87·9	87·4	84·8	85·1	86·0	86·0	86·0	85·2	84·0	84·0	83·8	84·2	85·6
3	84·3	83·7	84·0	83·5	84·2	84·2	84·5	83·6	85·2	85·8	86·5	87·3	85·9	85·3	85·1	86·6	87·5	86·6	85·9	85·0	85·0	84·1	84·4	85·0	85·1
4	84·5	84·5	83·4	83·5	83·2	84·0	84·0	84·1	84·0	84·4	85·7	85·5	86·0	87·0	86·2	86·2	85·5	86·0	85·4	85·2	85·0	85·0	84·8	84·3	84·9
5	84·5	84·4	84·4	84·5	84·1	84·8	85·0	85·1	85·9	86·8	86·7	87·4	87·9	87·7	87·9	88·0	88·2	87·4	87·2	86·1	85·0	84·6	84·8	84·7	86·0
6	84·7	84·0	84·4	84·8	85·0	85·1	86·0	86·0	86·4	87·0	87·5	87·9	88·3	89·1	88·0	87·4	87·5	87·1	86·8	86·4	86·3	85·8	83·8	84·1	86·2
7	84·2	84·4	83·5	83·9	82·8	83·5	83·6	86·0	86·1	86·5	87·6	88·0	87·2	86·1	87·1	87·0	86·4	85·9	85·9	85·5	85·0	84·4	85·0	83·9	85·4
8	83·5	84·5	84·2	84·5	83·9	84·1	85·1	86·1	86·4	87·0	87·0	87·5	87·7	87·9	88·0	87·9	86·2	86·0	86·2	85·3	84·8	83·3	83·1	83·0	85·6
9	83·5	83·3	83·6	83·6	83·4	84·1	84·8	86·9	87·2	87·0	88·0	88·0	88·0	88·2	87·8	88·0	87·2	86·8	85·1	85·3	85·0	84·8	84·6	84·8	85·8
10	84·1	84·6	85·0	85·0	84·8	84·6	84·6	84·6	84·9	85·0	85·1	85·3	85·5	85·5	85·9	85·9	85·6	85·2	85·6	85·2	85·1	85·1	85·0	85·1	85·1
11	85·0	84·4	84·4	84·4	84·6	84·8	84·6	84·5	85·0	85·1	86·0	86·1	85·1	86·8	87·6	87·2	86·4	85·3	85·6	85·4	84·0	83·5	83·5	83·1	85·1
12	83·1	83·1	83·0	82·7	82·6	83·3	84·1	85·3	85·0	86·8	86·4	86·4	87·0	87·1	87·1	86·0	86·0	85·2	85·4	84·6	83·6	82·2	82·1	83·0	84·6
13	83·2	82·4	83·0	83·0	83·2	83·4	84·1	86·1	87·1	87·4	86·9	86·8	86·9	84·7	85·0	84·5	83·5	82·9	83·2	83·4	83·1	83·0	83·0	83·3	84·3
14	82·4	82·1	82·1	81·3	81·8	82·0	84·8	85·0	86·1	87·8	86·6	87·4	87·9	88·0	87·5	88·2	88·3	87·3	87·1	86·9	85·9	84·2	83·8	83·7	85·3
15	83·4	83·7	83·7	84·0	83·9	84·5	85·1	85·9	86·9	86·6	87·3	87·5	87·3	87·9	87·9	88·0	87·8	87·0	86·2	86·0	85·7	85·7	85·8	85·5	85·9
16	85·2	85·1	85·1	85·2	85·3	85·3	85·5	86·0	86·0	86·8	87·3	87·7	88·1	88·1	88·1	88·4	87·9	87·9	87·2	86·5	85·9	85·6	85·5	85·0	86·5
17	84·3	83·9	83·5	83·9	84·1	85·1	85·9	86·4	85·7	85·9	85·9	86·1	85·6	87·0	87·5	88·1	87·9	87·0	86·9	87·0	86·9	86·9	87·1	86·7	86·0
18	86·6	86·7	86·8	86·8	86·8	86·7	86·9	87·3	87·1	87·2	87·4	87·6	88·1	89·5	90·1	90·9	89·0	88·7	88·3	87·8	87·3	87·2	87·1	87·0	87·7
19	87·0	87·2	87·4	87·2	87·2	87·1	87·1	87·2	87·3	87·3	87·6	87·4	87·7	87·6	88·0	88·0	88·1	87·5	87·2	87·0	87·0	86·8	86·8	86·8	87·3
20	87·0	87·2	87·3	87·6	87·5	87·4	87·5	88·1	88·6	89·0	89·5	89·2	89·4	90·0	89·8	89·3	89·1	88·4	87·9	87·4	87·6	87·6	88·0	87·9	88·2
21	87·8	87·8	87·9	87·9	87·0	86·9	86·8	87·0	88·0	88·5	89·3	89·0	89·8	89·9	89·9	90·5	90·0	89·4	88·1	88·0	88·0	88·1	88·1	88·3	88·4
22	87·9	87·8	88·1	88·2	88·1	88·0	88·1	87·9	87·6	88·0	88·2	85·9	87·6	89·0	89·0	89·0	89·3	88·7	87·8	87·0	86·4	86·0	85·5	85·1	87·7
23	85·0	84·2	83·8	82·4	83·1	84·2	86·1	89·4	87·7	88·4	88·5	89·1	89·2	89·2	89·7	90·3	89·9	89·1	88·8	87·8	86·8	86·0	85·0	85·9	87·1
24	84·9	84·4	83·9	84·0	84·3	86·0	87·0	88·4	88·3	89·9	88·2	87·9	87·9	88·0	87·7	87·4	87·2	87·3	87·2	87·1	87·2	87·2	87·0	87·0	86·8
25	86·5	86·4	86·4	86·5	87·1	86·9	87·0	87·0	87·9	88·1	88·4	89·3	90·5	91·7	91·7	91·7	91·6	91·3	90·8	90·4	89·5	88·0	87·4	87·3	88·7
26	87·2	87·6	87·6	87·0	86·9	86·9	87·2	87·3	87·4	87·5	88·1	87·2	87·0	87·0	87·3	87·5	87·0	86·8	86·4	86·3	86·2	86·2	86·1	85·9	87·0
27	85·8	85·7	85·6	85·7	85·4	86·0	86·4	87·2	89·4	89·7	90·1	88·5	88·1	87·6	87·9	88·0	87·8	87·9	87·6	87·4	87·3	87·3	87·3	87·2	87·3
28	87·2	87·3	87·3	87·2	87·2	87·2	87·3	87·9	88·3	89·1	89·4	90·2	90·6	90·0	89·8	90·1	89·6	89·3	88·7	88·3	87·9	87·1	87·3	87·3	88·4
29	87·2	86·9	86·8	86·7	86·9	87·0	86·5	87·3	87·7	88·5	89·1	89·6	89·7	90·5	90·9	90·1	89·5	88·6	88·4	87·4	87·1	86·4	85·3	85·0	87·9
30	85·3	84·4	84·3	84·6	84·7	85·0	86·3	87·0	87·4	87·4	87·9	88·2	89·0	88·8	88·9	89·1	89·0	88·2	87·8	87·2	86·4	85·2	84·0	83·5	86·7
Mean	85·2	85·0	85·0	84·9	84·9	85·3	85·8	86·4	86·8	87·3	87·6	87·7	87·9	88·0	88·0	88·1	87·8	87·3	86·9	86·5	86·0	85·6	85·4	85·3	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. - Initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is printed 75·0

364. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres JULY, 1935

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

365. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres. AUGUST, 1935

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

366. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres SEPTEMBER, 1935

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	84·9	85·0	85·2	84·9	85·0	85·1	85·1	85·8	85·8	86·0	86·5	86·8	87·1	87·3	88·1	88·0	87·4	87·2	87·0	86·9	86·6	86·6	86·9	87·0	86·3
2	86·6	87·0	87·0	86·9	86·2	85·9	86·0	86·8	87·4	87·6	88·5	89·4	89·5	89·9	88·9	89·0	89·0	88·5	87·6	86·5	86·3	86·2	86·5	86·1	87·5
3	85·9	85·4	85·1	85·0	85·3	85·4	85·4	86·3	87·7	88·4	89·7	89·1	89·0	88·7	88·9	88·4	88·4	87·6	87·1	86·3	85·8	86·1	86·0	86·0	87·0
4	85·2	85·5	86·0	85·6	85·2	85·9	86·8	87·4	88·0	88·6	87·8	88·2	89·2	89·3	89·7	88·5	87·0	86·7	86·5	86·2	86·6	86·9	86·9	87·0	87·1
5	86·8	86·9	86·0	86·9	85·6	85·4	85·2	86·0	87·3	87·8	87·6	87·0	87·4	87·4	87·7	87·7	88·0	87·8	87·8	86·5	86·4	86·5	85·8	86·0	86·8
6	85·9	84·4	84·2	83·8	83·2	83·2	83·5	85·4	86·7	88·0	88·4	89·0	89·5	89·6	89·6	89·4	89·3	88·8	88·2	88·2	88·4	88·4	88·5	88·6	87·1
7	88·5	88·7	88·9	88·8	88·7	88·9	89·0	89·3	90·0	90·1	91·0	91·0	91·1	91·3	91·0	90·9	90·4	90·0	89·2	88·6	88·7	88·9	88·9	89·0	89·6
8	89·1	89·1	89·4	89·4	89·3	89·3	89·4	89·9	90·2	90·6	90·2	90·4	90·4	89·3	89·7	90·5	90·0	90·0	89·0	88·5	88·1	87·0	87·0	86·1	89·3
9	86·9	87·2	87·2	87·0	86·7	85·9	86·3	86·3	87·0	88·3	89·0	89·8	90·4	90·3	90·6	91·0	89·7	89·4	89·3	89·1	89·0	89·1	89·1	88·9	88·4
10	88·2	88·9	89·3	89·5	89·6	89·7	89·7	90·1	90·2	90·6	89·8	90·0	89·0	88·8	89·0	89·0	89·3	89·0	89·0	88·7	89·0	89·0	89·0	88·9	89·3
11	88·8	88·6	88·9	88·9	87·6	87·5	87·9	88·0	88·3	89·1	90·2	90·2	90·2	91·0	89·8	89·2	89·6	89·4	89·4	89·3	88·9	89·6	89·5	89·1	89·1
12	89·3	88·7	88·2	88·1	87·6	87·7	87·9	88·9	89·3	89·7	89·2	89·1	89·2	90·0	90·0	88·0	88·2	88·9	88·5	88·3	88·0	87·5	87·3	87·2	88·6
13	87·0	87·7	87·1	86·9	87·0	87·4	86·6	87·6	88·4	88·3	89·2	90·0	90·0	90·4	89·7	90·1	90·0	89·0	88·7	88·6	88·7	88·8	86·8	86·9	88·4
14	87·2	87·4	87·4	87·4	87·5	87·2	87·3	87·9	87·6	88·4	89·0	88·2	89·2	89·9	89·8	89·5	89·0	88·5	88·1	87·9	88·0	88·3	88·2	88·0	88·2
15	87·9	87·6	87·4	87·2	86·4	86·4	86·0	86·2	87·0	87·8	88·4	87·0	88·9	88·7	88·6	88·1	87·2	86·9	86·3	86·9	96·7	86·0	86·2	86·5	87·2
16	86·4	86·4	86·4	86·2	86·0	85·9	85·4	85·4	85·9	85·4	85·2	85·7	84·4	84·2	85·8	87·3	86·2	85·4	85·0	85·0	84·2	84·0	84·2	84·9	85·5
17	85·3	86·0	86·2	86·2	86·2	86·3	86·7	86·9	86·8	87·5	87·7	88·1	88·0	88·0	85·5	86·2	86·9	86·7	86·3	86·3	86·2	86·2	86·2	86·2	86·6
18	85·2	85·1	85·9	86·0	86·0	85·7	85·4	85·8	86·2	87·3	87·2	87·8	87·9	87·2	87·0	86·9	86·9	87·2	88·2	88·8	88·9	89·0	89·2	89·2	87·0
19	88·9	88·5	88·2	88·0	87·6	87·1	87·1	87·4	87·3	87·4	88·1	88·1	88·4	87·8	88·1	87·9	87·3	87·1	86·9	86·6	86·8	86·6	86·4	86·3	87·6
20	85·8	85·5	85·3	85·2	85·0	84·1	84·0	85·1	86·0	87·1	87·5	88·0	88·5	88·4	88·1	88·1	88·0	87·1	85·6	85·0	83·9	83·5	83·6	83·9	86·0
21	83·8	83·4	84·2	84·4	85·5	84·9	84·3	84·4	85·0	85·8	86·9	87·3	87·2	87·8	88·5	88·0	87·1	86·6	86·0	85·7	85·4	85·7	85·4	85·0	85·7
22	84·8	85·1	84·4	84·6	84·0	83·4	82·8	83·9	84·1	85·2	86·0	86·2	85·8	85·0	85·4	84·4	84·7	85·9	85·7	85·5	85·3	85·4	85·0	84·3	84·9
23	84·0	83·5	83·9	83·5	82·5	81·6	81·2	82·0	85·1	86·3	86·6	86·9	87·0	86·2	85·8	85·0	84·8	84·9	85·2	86·0	86·4	87·1	87·3	87·4	84·9
24	87·3	87·2	87·1	87·0	87·0	87·1	87·2	87·4	87·2	87·7	88·0	87·9	88·2	88·0	87·4	87·6	86·9	86·5	86·4	86·5	86·0	86·2	86·0	86·2	87·1
25	86·2	86·0	86·1	85·8	85·9	85·4	85·2	86·0	86·0	86·7	87·3	87·5	88·2	88·1	87·9	87·5	87·0	85·9	84·2	84·9	85·1	85·6	86·0	86·5	86·3
26	86·4	86·0	86·0	86·2	86·3	86·7	86·9	87·2	87·8	87·9	88·2	88·6	88·8	88·7	89·0	88·9	88·1	87·9	87·5	87·0	86·9	86·2	86·5	86·4	87·3
27	86·2	86·5	86·8	87·0	87·1	87·1	87·0	87·0	87·5	88·3	88·5	88·6	88·9	88·4	88·4	88·4	88·0	87·5	87·3	86·9	87·0	86·5	86·4	86·2	87·4
28	85·9	85·9	85·6	85·5	85·4	85·0	85·0	85·1	85·3	86·1	86·8	87·0	87·4	87·4	87·3	87·1	86·9	86·0	84·2	84·0	83·0	82·1	81·2	80·6	85·4
29	80·8	81·2	82·9	83·1	83·0	83·5	84·9	85·4	85·7	85·6	86·0	85·7	85·9	86·0	86·9	87·0	86·9	85·9	85·8	85·2	84·2	85·0	84·7	84·2	84·7
30	85·0	84·4	83·2	82·8	83·8	84·3	83·4	84·7	85·0	85·1	85·4	83·8	85·2	85·8	85·0	85·6	86·0	85·9	85·9	85·0	85·6	84·4	85·4	85·0	84·8
Mean	86·3	86·3	86·3	86·3	86·1	86·0	86·0	86·5	87·1	87·6	88·0	88·1	88·3	88·3	88·2	88·1	87·8	87·5	87·1	86·8	86·7	86·6	86·5	86·5	87·0

367. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres OCTOBER, 1935

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

368. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres NOVEMBER, 1935

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	80·0	80·1	80·0	79·9	79·5	79·8	78·7	78·9	79·6	80·9	80·8	81·8	81·9	82·3	81·2	81·6	80·4	81·4	81·9	81·2	81·2	81·3	81·5	82·2	80·7
2	82·5	83·0	83·4	81·8	82·2	82·2	82·0	82·5	81·5	82·5	81·9	82·4	83·2	83·1	83·0	83·0	82·9	82·6	83·0	83·6	83·8	84·5	85·0	85·1	82·9
3	85·4	85·5	85·9	86·0	86·5	85·9	85·5	84·0	84·1	84·7	85·0	85·1	85·0	85·0	84·3	84·3	83·5	83·9	83·8	84·0	84·2	84·2	84·2	83·2	84·8
4	82·6	83·0	83·0	83·1	83·2	83·2	83·0	83·2	83·2	84·0	84·0	83·9	83·9	84·0	84·3	84·1	83·8	83·2	83·4	83·2	83·0	83·0	82·3	82·1	83·3
5	82·1	82·1	82·3	83·5	83·4	83·1	83·4	82·4	82·1	82·5	82·2	82·2	82·9	82·6	82·9	81·4	81·4	81·0	80·0	80·6	80·8	80·0	80·6	80·3	82·0
6	80·8	79·2	81·0	80·2	79·6	80·3	80·9	81·1	81·2	82·0	82·9	82·9	82·5	82·6	81·8	82·2	81·6	81·0	80·5	80·4	79·7	79·8	79·9	80·0	81·0
7	79·4	79·0	79·2	79·3	80·0	80·4	80·1	79·6	80·0	80·2	80·5	81·3	82·4	82·5	82·3	80·7	80·7	80·7	80·9	80·7	80·5	80·9	80·6	79·9	80·5
8	78·5	80·0	80·2	80·2	79·9	79·0	79·0	78·5	78·9	79·5	81·0	81·0	81·9	82·1	82·0	82·0	82·0	81·4	81·7	80·4	81·8	81·6	81·3	81·8	80·6
9	81·5	81·3	81·5	80·9	79·9	79·6	79·9	80·4	80·0	79·8	80·1	80·3	81·0	81·0	81·5	81·7	81·9	81·4	81·2	82·0	82·1	81·9	81·3	81·5	81·0
10	82·0	81·1	82·0	82·3	82·0	82·3	81·7	82·3	82·3	(82·6)	83·1	83·4	83·8	83·6	83·4	83·2	82·9	83·0	83·0	83·0	82·4	82·3	81·5	80·4	82·5
11	79·3	78·1	78·1	77·9	78·5	80·7	81·7	82·0	82·0	82·2	82·4	82·7	82·9	83·0	81·1	80·6	80·2	80·0	80·5	80·0	79·6	80·0	78·8	80·2	80·5
12	79·1	80·1	79·9	80·0	80·0	80·0	78·2	77·0	78·0	77·0	78·0	79·3	80·5	80·0	80·0	79·5	78·9	78·3	79·0	79·0	78·2	78·3	78·9	78·5	79·0
13	78·7	79·5	79·8	80·3	80·7	81·0	81·0	81·0	81·0	81·5	82·2	82·6	81·3	82·0	82·1	82·0	81·4	81·3	81·9	82·0	81·9	82·7	82·9	83·1	81·3
14	83·2	81·0	81·2	81·9	81·4	81·2	80·0	80·9	79·3	79·5	80·2	80·9	80·6	81·7	81·0	80·8	79·6	79·2	79·3	79·8	79·9	79·1	79·0	78·5	80·5
15	78·4	78·0	78·1	78·0	77·9	77·8	78·3	77·8	78·8	78·7	80·4	81·3	80·1	79·9	80·0	80·0	79·1	79·6	78·7	78·3	78·1	77·5	78·8	78·8	78·8
16	78·2	78·3	78·0	78·1	78·3	77·2	77·4	77·5	77·9	77·4	78·1	78·8	79·0	79·9	80·1	79·0	78·7	77·2	76·6	76·0	75·6	75·8	74·3	75·0	77·7
17	75·2	75·4	75·4	76·7	76·4	79·1	79·9	81·2	81·8	82·0	82·3	81·6	82·0	82·4	82·7	82·3	81·4	81·4	81·6	81·5	81·8	81·3	81·9	81·5	80·2
18	82·0	82·1	82·0	82·0	81·4	81·7	81·4	81·3	81·3	81·3	82·3	82·6	82·4	82·0	81·9	81·4	80·6	80·6	81·2	81·0	81·4	81·4	81·6	82·0	81·6
19	82·2	82·4	82·0	81·8	82·2	82·4	82·9	83·1	83·1	81·4	81·0	81·0	81·6	81·2	81·3	80·4	80·0	79·8	79·1	79·2	78·2	78·1	78·7	78·4	81·0
20	78·0	80·0	80·0	80·5	80·8	80·9	80·5	80·8	80·6	80·5	81·3	81·9	82·3	82·2	81·4	81·0	80·0	79·2	79·0	89·2	78·5	78·4	79·2	80·2	80·2
21	81·2	81·6	81·8	81·9	81·7	81·4	81·2	81·5	81·9	82·1	82·3	82·8	83·4	83·4	83·0	82·7	82·0	82·0	81·6	81·4	81·0	80·3	81·1	81·0	81·8
22	80·8	80·0	78·6	80·1	80·0	80·4	79·7	80·0	81·0	81·3	82·2	83·0	83·0	83·2	83·4	83·3	83·0	82·6	82·0	81·9	81·6	81·8	82·2	82·4	81·5
23	82·2	82·0	82·0	81·8	81·4	81·4	81·7	81·5	81·8	82·0	82·0	82·4	82·6	82·8	82·2	81·8	81·0	80·5	80·0	80·0	80·1	80·0	80·0	80·0	81·4
24	80·0	79·5	79·2	77·6	75·9	74·8	74·4	74·1	74·3	74·6	75·5	77·0	79·0	79·6	80·0	79·3	77·3	76·3	76·0	75·8	76·1	75·2	74·4	73·9	76·8
25	74·1	74·4	75·4	75·8	78·0	76·5	78·4	78·2	78·5	79·2	80·7	81·0	81·3	81·3	81·8	81·8	81·9	82·0	81·7	81·7	82·0	82·2	82·3	81·8	79·5
26	81·8	82·0	82·2	82·4	82·0	82·0	82·0	81·3	81·6	81·8	82·0	82·0	82·0	82·3	82·1	82·0	81·9	82·0	81·4	81·4	81·5	81·3	81·7	81·6	81·9
27	81·5	81·9	82·0	81·7	81·3	80·9	81·1	80·8	81·1	81·2	81·9	82·1	81·8	82·0	82·0	82·4	83·4	84·0	84·0	84·0	84·1	84·2	84·2	84·3	82·4
28	84·3	84·2	84·3	84·4	84·6	84·5	84·4	83·8	83·5	83·4	83·2	83·3	83·0	82·8	83·0	82·6	82·7	82·7	82·5	82·5	82·4	82·4	82·0	82·0	83·3
29	82·0	82·0	81·8	82·4	82·4	82·5	82·5	82·9	82·3	82·3	82·1	82·6	82·0	82·7	82·5	81·4	80·4	81·0	81·4	81·3	82·0	82·0	82·2	81·6	82·0
30	81·6	80·2	81·1	81·3	81·3	81·4	82·0	82·0	81·9	81·9	82·6	82·9	83·0	83·4	84·1	84·0	83·9	83·3	83·4	83·7	83·8	83·5	83·3	83·2	82·6
Mean	80·6	80·6	80·7	80·8	80·7	80·8	80·8	80·7	80·8	81·0	81·5	81·9	82·1	82·2	82·1	81·7	81·3	81·1	81·0	81·0	80·9	80·8	80·9	80·8	81·1

369. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres. DECEMBER, 1935.

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	82·1	81·3	81·3	80·9	81·0	81·0	81·2	81·0	81·4	81·4	80·9	81·1	81·4	81·8	80·9	80·5	81·0	81·0	79·1	80·4	80·0	80·9	79·3	80·2	80·9
2	79·9	79·4	80·0	80·0	79·4	79·9	81·0	80·3	80·3	81·3	81·4	81·4	81·6	81·9	81·5	81·0	81·0	81·2	80·8	80·8	81·1	80·0	80·3	80·6	80·7
3	80·6	79·6	79·7	78·7	78·8	78·0	78·3	78·7	78·7	78·9	79·0	79·0	79·4	79·3	79·0	79·0	78·5	78·4	79·0	79·0	79·0	78·6	78·2	79·7	79·0
4	79·0	79·4	79·3	79·7	79·6	77·5	77·0	79·0	78·9	78·6	80·2	79·0	77·9	79·8	78·9	78·0	78·1	78·0	78·0	78·5	77·9	78·3	78·2	79·7	78·7
5	79·8	79·0	80·0	79·0	79·1	79·3	78·6	79·1	79·6	79·8	81·0	81·0	81·1	80·4	80·9	80·0	80·1	79·4	79·4	79·1	79·2	79·9	79·9	80·4	79·8
6	80·7	81·7	82·0	81·6	81·6	81·5	81·0	80·2	80·9	81·4	81·5	81·4	81·8	81·9	82·0	81·9	81·8	81·5	81·6	81·6	81·6	81·7	81·0	80·9	81·4
7	80·2	80·1	79·5	79·4	79·3	80·6	81·1	81·7	81·9	81·9	81·9	82·3	82·7	82·5	82·9	82·4	82·0	82·0	82·1	82·2	82·4	82·5	82·4	82·4	81·6
8	82·4	82·7	82·9	82·8	82·7	82·7	82·7	82·5	82·5	82·7	83·0	83·1	83·0	83·1	82·9	83·0	82·9	82·8	82·8	82·5	82·5	82·0	81·8	81·8	82·7
9	81·0	80·9	81·6	81·0	80·5	80·0	80·6	81·0	80·9	80·7	81·1	82·0	82·2	82·1	80·9	80·8	79·0	77·4	76·5	76·1	76·5	75·9	75·0	74·4	79·7
10	74·2	74·8	73·9	74·2	74·2	74·1	73·0	73·9	75·0	77·0	78·9	79·7	80·1	80·4	80·1	79·4	78·0	77·0	76·2	76·0	75·1	75·4	75·9	75·3	76·3
11	74·2	74·3	75·0	74·9	75·0	75·2	74·9	75·1	74·8	74·9	75·8	76·2	76·9	77·3	77·5	77·6	77·7	77·6	77·8	78·1	77·9	78·0	78·1	78·2	76·3
12	78·4	78·3	78·5	78·5	78·5	78·4	78·0	78·0	78·1	78·2	78·3	78·4	78·9	79·1	78·9	79·0	79·0	78·8	79·0	79·0	78·7	78·5	78·4	78·3	78·5
13	78·2	78·4	78·4	78·5	78·5	78·6	78·5	78·5	78·4	78·1	78·0	78·0	78·1	78·2	78·1	78·0	77·9	77·8	77·6	77·5	77·1	77·1	77·0	76·9	78·0
14	76·7	76·8	77·0	77·9	78·3	78·3	79·2	79·4	79·9	80·4	81·2	81·9	82·2	82·6	81·7	82·0	81·9	81·9	81·3	81·5	81·6	81·4	81·4	81·0	80·2
15	81·0	81·0	80·8	81·0	81·1	81·3	81·0	81·0	80·1	80·3	79·8	79·0	79·1	79·2	79·2	78·0	79·5	80·0	80·3	79·5	79·9	79·2	79·9	80·2	80·1
16	80·2	79·7	79·5	79·4	79·7	80·0	79·8	79·9	79·9	80·0	80·4	80·5	80·5	80·4	80·5	79·8	79·5	79·0	78·5	78·4	78·5	78·4	79·0	79·0	79·6
17	78·1	78·3	77·3	77·9	78·0	77·0	76·7	77·0	77·5	78·7	79·1	79·9	80·0	80·0	80·0	79·2	77·6	76·4	75·3	75·0	75·0	75·0	74·9	74·6	77·5
18	77·5	79·0	79·2	79·6	79·5	80·0	80·0	80·0	79·8	80·0	79·9	80·0	80·6	80·6	80·4	80·9	81·0	81·1	81·1	81·0	80·6	80·4	80·2	79·9	80·0
19	80·0	80·0	80·2	80·2	79·9	79·9	79·9	80·0	79·0	78·7	78·0	78·2	78·1	78·5	78·2	77·4	77·1	77·1	76·5	76·0	75·3	76·3	76·3	75·9	78·3
20	75·8	74·6	76·6	76·7	76·6	76·8	76·6	76·9	77·0	77·0	77·4	77·9	78·2	78·0	77·8	77·2	77·0	77·0	75·5	74·0	74·0	74·7	73·7	75·2	76·4
21	76·0	75·6	74·5	73·5	76·1	76·0	75·3	75·5	72·6	73·0	73·8	75·6	76·5	77·9	78·0	77·8	77·0	75·0	73·0	72·5	73·2	73·2	72·9	72·5	74·9
22	73·1	72·9	72·7	73·0	74·0	72·2	71·9	73·1	73·0	73·0	74·5	75·4	77·1	77·8	76·4	77·5	76·0	75·9	74·6	74·5	74·9	75·2	75·8	76·4	74·5
23	77·2	77·4	77·7	77·9	77·9	77·6	77·9	77·0	77·9	78·4	78·8	79·7	79·5	79·8	80·0	80·1	80·0	80·4	80·0	79·5	79·2	79·4	79·1	79·1	78·8
24	79·0	79·0	79·1	78·9	79·2	79·7	80·0	80·2	80·5	80·5	81·2	81·5	81·4	82·0	81·4	80·9	81·0	81·3	81·0	80·2	80·7	80·0	80·4	80·4	80·4
25	80·2	80·4	80·4	80·5	81·0	81·0	80·7	80·5	80·0	81·0	80·6	82·0	82·2	82·0	82·1	82·0	82·3	82·5	82·6	82·8	82·7	82·9	82·8	82·8	81·5
26	82·4	82·3	82·5	82·6	82·6	82·1	82·2	81·5	81·9	82·1	82·8	82·9	82·7	82·5	82·3	82·1	82·0	82·1	82·1	82·0	81·9	82·0	81·9	82·0	82·2
27	82·0	81·9	81·8	81·4	80·9	80·9	80·8	80·7	80·0	80·0	80·5	80·5	80·1	80·9	80·9	80·2	79·2	78·7	78·5	78·0	76·4	76·7	75·9	75·6	79·8
28	75·0	75·2	75·9	75·4	76·0	76·9	76·5	77·0	77·0	77·2	79·1	79·5	80·4	80·0	79·6	79·2	78·7	78·4	77·1	76·3	75·9	75·6	75·0	74·8	77·2
29	75·1	75·0	75·0	75·2	76·0	77·3	77·2	78·3	79·3	80·0	80·6	81·1	81·0	81·1	81·5	82·0	82·1	82·9	82·5	82·0	82·0	81·8	81·5	80·9	79·5
30	80·6	81·0	80·9	81·2	81·4	81·7	81·9	81·8	81·1	81·3	81·7	82·0	81·6	82·3	82·1	82·0	81·9	81·9	82·0	82·1	81·5	81·1	81·5	81·7	81·6
31	81·7	81·4	82·4	83·0	82·7	82·4	82·2	81·2	81·2	81·4	81·5	80·9	82·0	81·1	80·9	80·9	81·0	80·4	80·4	79·8	81·0	81·0	81·2	81·0	81·4
Mean	78·8	78·8	78·9	78·9	79·0	79·0	78·9	79·0	79·0	79·3	79·7	80·0	80·3	80·5	80·2	80·0	79·7	79·5	79·1	78·9	78·8	78·8	78·7	78·8	79·3
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: 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 1935

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
82·89	82·78	82·71	82·66	82·60	82·67	82·97	83·41	83·82	84·21	84·63	84·91	85·14	85·23	85·16	85·03	84·74	84·41	84·05	83·73	83·48	83·28	83·14	83·01	83·78

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 1935

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
		°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.	280·44	-0·40	-0·42	-0·47	-0·47	-0·46	-0·34	-0·37	-0·38	-0·57	-0·34	+0·06	+0·39	+0·68	+0·79	+0·75	+0·71	+0·48	+0·37	+0·25	+0·16	+0·11	-0·03	-0·15	-0·34
Feb.	280·83	-0·40	-0·56	-0·74	-0·52	-0·40	-0·44	-0·40	-0·60	-0·43	-0·17	+0·38	+0·79	+1·05	+0·97	+0·90	+0·86	+0·72	+0·31	+0·03	-0·05	-0·20	-0·29	-0·35	-0·48
Mar.	281·83	-0·58	-0·68	-0·73	-0·82	-0·95	-1·00	-1·01	-0·91	-0·41	+0·14	+0·59	+1·07	+1·33	+1·44	+1·35	+1·20	+0·91	+0·53	+0·05	-0·10	-0·08	-0·28	-0·47	-0·54
Apr.	282·45	-1·46	-1·62	-1·74	-1·81	-1·90	-2·09	-1·42	-0·36	+0·50	+0·98	+1·53	+1·77	+1·85	+1·96	+1·86	+1·87	+1·39	+1·02	+0·53	-0·01	-0·33	-0·59	-0·86	-1·08
May	284·74	-1·92	-2·30	-2·59	-2·93	-3·13	-2·67	-1·48	-0·09	+0·93	+1·43	+1·85	+2·13	+2·48	+2·60	+2·42	+2·31	+2·07	+1·69	+1·03	+0·24	-0·42	-0·83	-1·22	-1·56
June	286·44	-1·29	-1·43	-1·50	-1·53	-1·55	-1·21	-0·66	-0·03	+0·36	+0·83	+1·17	+1·24	+1·42	+1·56	+1·57	+1·63	+1·32	+0·83	+0·50	+0·08	-0·37	-0·84	-1·03	-1·08
July	288·55	-1·53	-1·59	-1·78	-1·89	-2·01	-1·75	-0·82	-0·04	+0·50	+0·87	+1·30	+1·58	+1·80	+1·91	+1·97	+1·85	+1·57	+1·08	+0·71	+0·13	-0·50	-0·84	-1·13	-1·39
Aug.	288·39	-1·10	-1·09	-1·22	-1·33	-1·47	-1·45	-1·06	-0·37	+0·26	+0·83	+1·13	+1·36	+1·52	+1·70	+1·67	+1·41	+1·25	+0·85	+0·38	-0·19	-0·56	-0·73	-0·83	-0·93
Sept.	287·04	-0·69	-0·74	-0·72	-0·77	-0·96	-1·07	-1·08	-0·52	+0·02	+0·59	+0·96	+1·04	+1·29	+1·26	+1·20	+1·07	+0·77	+0·43	+0·02	-0·21	-0·37	-0·43	-0·50	-0·59
Oct.	284·23	-0·35	-0·49	-0·56	-0·61	-0·61	-0·63	-0·62	-0·56	-0·14	+0·05	+0·43	+0·74	+0·91	+0·90	+0·90	+0·69	+0·48	+0·28	+0·07	-0·02	-0·14	-0·28	-0·20	-0·26
Nov.	281·11	-0·44	-0·50	-0·36	-0·28	-0·33	-0·30	-0·32	-0·37	-0·28	-0·10	+0·37	+0·76	+0·97	+1·11	+0·95	+0·62	+0·15	-0·05	-0·13	-0·19	-0·24	-0·33	-0·31	-0·35
Dec.	279·27	-0·52	-0·55	-0·41	-0·44	-0·29	-0·33	-0·39	-0·25	-0·28	+0·02	+0·46	+0·75	+1·00	+1·20	+0·98	+0·76	+0·48	+0·26	-0·15	-0·34	-0·43	-0·46	-0·57	-0·47
Year	283·78	-0·89	-1·00	-1·07	-1·12	-1·18	-1·11	-0·81	-0·37	+0·04	+0·43	+0·86	+1·14	+1·36	+1·45	+1·38	+1·25	+0·97	+0·64	+0·28	-0·04	-0·29	-0·49	-0·64	-0·76

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

372 VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres 1935

Month	Jan.		Feb.		Mar.		Apr.		May		June	
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	85·1	84·3	83·5	80·6	83·3	78·7	83·2	80·8	85·9	83·2	89·1	83·7
2	84·4	82·6	84·0	81·8	83·8	79·0	83·1	79·9	85·9	84·3	88·3	83·3
3	84·7	82·1	85·0	83·9	82·1	79·0	82·8	77·4	86·2	83·2	87·5	83·4
4	82·9	80·9	84·7	80·3	83·5	75·3	82·7	79·6	85·8	80·7	87·0	83·2
5	83·0	79·9	83·3	80·1	84·4	78·1	83·4	79·6	87·2	81·1	88·4	84·0
6	81·9	73·4	81·4	76·0	83·9	80·7	83·3	79·3	87·4	78·9	89·1	83·6
7	78·1	72·0	79·1	72·4	84·9	80·1	83·6	79·9	87·1	80·3	88·0	82·6
8	79·8	73·8	79·2	71·8	83·1	79·1	84·1	79·1	93·0	81·8	88·0	82·9
9	80·5	73·7	79·7	72·1	80·0	75·2	86·1	82·8	91·5	79·0	88·7	83·0
10	82·1	80·1	81·2	78·6	77·4	74·9	86·1	81·6	89·8	80·2	85·9	84·0
11	83·0	78·0	83·1	80·9	81·0	75·0	85·0	80·0	92·0	81·0	87·9	83·1
12	83·2	78·9	83·4	80·4	81·8	78·0	85·3	78·3	92·0	80·0	87·6	82·0
13	84·3	83·0	84·8	82·1	82·3	78·5	85·5	78·3	87·6	81·4	87·8	82·3
14	83·1	80·9	82·2	80·9	82·2	78·5	84·8	79·9	86·4	77·4	88·6	81·1
15	83·0	81·0	85·2	81·4	83·5	79·9	85·0	79·8	85·5	75·4	88·3	83·3
16	83·0	81·5	85·4	81·3	84·1	80·5	83·7	78·0	83·2	79·0	88·4	85·0
17	82·4	81·1	84·7	81·6	83·4	81·1	84·0	79·1	82·8	79·5	88·2	83·4
18	81·9	77·4	85·0	82·8	84·5	82·0	86·2	80·8	84·1	78·0	90·9	86·5
19	79·9	76·1	84·4	81·4	84·5	81·9	85·4	80·2	86·2	82·1	88·3	86·5
20	79·1	77·9	84·5	80·4	84·7	80·9	86·1	79·8	84·1	82·0	90·3	86·3
21	77·9	73·7	81·9	77·9	84·3	81·9	84·5	79·8	88·4	81·5	90·8	86·6
22	80·0	74·0	80·9	76·7	84·4	80·4	83·8	81·2	88·3	79·4	89·5	85·1
23	82·7	78·2	80·6	74·8	85·4	82·1	83·4	80·2	88·3	81·6	90·5	82·1
24	83·8	81·0	81·0	77·2	85·2	83·2	84·8	77·8	89·5	80·9	88·9	83·2
25	83·5	79·0	78·3	74·3	84·7	83·3	87·1	77·0	91·5	83·2	92·1	86·2
26	81·4	78·8	82·2	72·7	83·7	81·3	88·3	78·2	91·3	81·3	88·1	85·9
27	79·7	76·6	82·4	78·0	85·1	78·2	89·8	78·6	90·9	79·0	90·3	85·4
28	80·6	76·0	80·9	76·8	83·8	78·2	87·6	79·5	90·1	81·7	90·9	87·0
29	81·8	78·1	-	-	84·5	77·5	87·9	78·2	88·6	80·8	91·0	85·0
30	83·2	(78·8)	-	-	83·0	80·0	85·7	83·4	89·0	81·5	89·2	83·4
31	81·7	79·4	-	-	85·3	80·9	-	-	90·2	85·1	-	-
Mean	82·0	78·5	82·6	78·5	83·5	79·5	85·1	79·6	88·1	80·8	88·9	84·1

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

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

† see page 23.

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, 1935.

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	91	91	91	90	90	90	91	90	90	91	90	90	90	91	90	90	93	94	94	94	93	96	94	96	91·6	12·3
2	98	97	94	95	95	96	96	96	95	96	94	94	97	93	94	94	96	95	95	95	95	94	94	95	95·1	12·1
3	95	96	95	96	95	96	96	94	95	95	95	94	90	93	86	85	89	92	94	97	90	91	89	91	93·0	11·7
4	92	92	87	88	88	87	84	77	73	71	70	69	67	67	68	68	67	67	70	69	69	72	72	71	75·6	8·6
5	73	73	73	77	75	82	86	90	91	96	86	75	82	87	87	80	76	74	77	70	67	67	72	78	78·9	8·8
6	81	79	84	81	80	81	76	83	82	72	65	65	61	62	65	58	72	70	79	84	82	81	78	89	75·2	6·7
7	88	89	89	88	88	89	85	85	83	82	84	80	77	73	76	72	80	80	80	82	85	78	82	82	82·5	5·9
8	81	79	81	75	70	78	82	74	78	75	79	86	91	93	88	84	90	93	90	91	91	89	90	92	84·0	7·1
9	93	91	93	93	98	94	98	94	91	93	90	89	88	85	84	82	81	81	84	83	82	79	77	83	87·9	7·5
10	77	81	85	85	85	86	83	83	84	85	83	83	79	78	78	81	82	81	79	77	77	84	92	81	82·1	9·0
11	80	76	83	80	80	76	83	87	81	86	72	74	65	73	73	73	64	62	71	74	69	68	72	71	74·9	8·0
12	70	68	71	78	76	64	70	73	79	72	82	91	94	94	93	88	83	86	87	87	87	89	92	95	81·5	8·9
13	93	92	90	93	95	94	94	93	94	94	89	88	87	91	92	90	83	80	82	82	77	92	85	89	89·3	11·4
14	87	89	94	94	95	95	96	95	95	96	94	94	91	84	92	91	92	95	92	93	92	92	92	90	92·5	10·8
15	94	94	87	86	84	83	81	83	80	78	80	75	76	75	80	80	82	83	81	81	76	78	80	80	81·7	9·3
16	78	81	87	89	91	87	86	87	87	87	87	86	82	86	86	86	86	83	72	84	84	76	71	71	83·5	9·7
17	76	73	73	73	71	73	73	70	73	73	73	70	72	72	71	72	73	74	72	73	73	77	71	68	72·5	8·2
18	70	70	70	67	72	75	75	81	82	75	84	72	68	68	67	72	70	70	71	76	74	70	74	80	72·8	7·2
19	78	79	85	84	87	80	81	73	72	71	75	72	73	76	73	74	74	74	84	84	84	78	82	79	78·0	7·3
20	82	78	79	79	78	83	78	78	76	78	75	76	73	72	75	78	77	77	77	78	78	76	80	78	77·5	7·0
21	79	79	79	77	80	82	77	80	78	81	83	81	83	82	78	78	75	73	75	80	82	84	91	90	80·0	6·3
22	91	91	84	89	86	90	85	85	88	92	87	87	87	80	81	81	78	79	76	76	70	70	74	79	83·0	7·1
23	82	80	80	82	82	85	82	83	86	86	85	85	83	74	75	76	81	69	67	73	77	80	84	78	79·8	8·2
24	76	82	82	86	78	77	80	81	81	84	79	82	84	86	86	86	86	86	85	84	85	91	94	90	83·5	10·0
25	88	85	80	70	84	81	81	66	74	70	72	69	63	62	74	59	72	64	64	60	63	64	82	71	72·0	8·0
26	72	79	71	74	78	75	70	72	74	51	47	72	58	44	50	53	53	51	49	52	49	50	51	53	60·7	6·2
27	55	55	55	51	54	50	63	68	71	71	66	60	63	62	62	59	62	68	74	73	73	77	78	80	64·0	5·8
28	81	81	81	82	83	83	83	83	80	82	80	81	76	76	79	82	87	88	88	88	90	91	91	91	83·4	7·5
29	94	93	94	94	94	94	93	91	86	81	85	89	87	86	78	86	88	90	91	94	91	93	91	90	89·7	9·1
30	91	93	94	93	94	96	98	98	96	99	98	96	95	96	94	94	95	95	95	93	76	67	73	78	91·8	10·1
31	80	83	79	76	82	81	81	77	83	73	70	69	75	66	71	83	85	82	85	82	85	87	81	86	79·1	8·2
Mean	82·3	82·9	82·9	82·7	83·5	83·3	83·5	82·9	83·2	81·8	80·6	80·5	79·3	78·3	78·9	78·5	79·7	79·2	80·0	80·9	79·5	80·0	81·6	82·1	81·2	†8·5
Vapour Pressure*	mb. 8·3	mb. 8·4	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·5	mb. 8·6	mb. 8·5	mb. 8·6	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·3	mb. 8·4	mb. 8·2	mb. 8·2	mb. 8·3	mb. 8·2	mb.	

374. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres. — FEBRUARY, 1935

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	79	78	70	74	81	84	77	88	86	86	91	91	89	92	92	92	94	95	91	91	93	93	93	95	87·1	10·3
2	92	93	93	92	93	93	94	94	95	95	94	84	84	81	83	84	87	87	86	83	87	92	93	95	89·7	11·3
3	90	90	89	89	90	90	89	85	85	81	87	89	89	88	88	85	84	86	81	81	85	85	85	84	86·7	11·8
4	81	83	89	89	90	92	94	94	95	96	92	91	91	80	86	87	89	88	89	85	88	78	75	73	87·5	10·5
5	70	76	75	78	75	79	71	75	78	78	75	82	70	78	86	88	87	78	77	76	76	77	68	74	76·9	8·7
6	72	60	63	60	60	64	69	71	65	67	60	58	63	61	63	60	65	65	66	70	69	71	73	73	65·4	6·7
7	77	79	83	82	87	87	86	86	82	79	75	55	62	57	62	65	61	69	68	75	74	79	82	87	74·7	5·6
8	84	84	86	84	86	83	83	81	84	82	84	75	76	69	57	63	70	75	75	82	84	84	84	82	79·1	5·5
9	85	84	85	83	79	86	84	85	83	85	80	76	72	71	71	74	81	80	84	88	88	82	80	76	81·0	6·1
10	78	78	79	81	79	78	79	79	78	74	73	74	73	73	77	76	75	76	76	78	78	76	76	75	76·6	7·8
11	78	75	78	78	77	76	73	84	91	91	84	82	82	76	77	76	80	87	88	89	87	87	87	87	81·8	9·5
12	91	88	88	84	87	86	83	89	89	93	83	80	82	78	79	78	80	86	88	91	92	95	96	92	86·5	10·2
13	92	89	93	94	95	97	96	95	95	97	95	95	90	87	87	85	79	79	82	81	84	84	87	86	89·5	11·4
14	84	89	81	78	81	77	68	67	67	76	72	63	72	72	74	76	73	80	79	82	86	86	86	88	77·3	8·9
15	87	87	89	97	94	94	94	95	95	93	94	90	91	91	94	93	91	93	90	90	89	89	90	90	91·6	12·2
16	86	87	86	85	87	88	88	89	90	89	89	83	73	70	72	71	74	69	70	57	71	73	72	76	78·8	10·3
17	72	75	75	75	72	81	78	75	75	76	75	75	74	75	79	76	77	80	82	79	86	82	76	80	77·0	9·4
18	81	87	89	94	92	94	94	91	88	90	90	89	89	89	95	94	90	88	86	86	85	82	85	82	88·7	11·8
19	84	87	89	90	89	91	88	88	88	76	76	72	73	72	79	83	84	84	83	83	86	87	88	92	83·6	10·1
20	93	90	91	91	91	89	85	83	82	77	76	75	80	79	84	87	79	73	80	77	73	71	62	64	81·1	9·9
21	74	73	77	75	68	62	65	75	63	77	71	83	68	72	77	84	85	84	80	75	78	83	76	75	74·8	7·5
22	71	65	66	60	72	73	69	78	75	60	70	71	71	86	75	73	83	79	80	79	77	76	60	68	72·5	6·6
23	65	69	82	74	79	84	75	80	82	80	82	72	67	68	73	76	71	73	80	76	63	71	80	79	75·0	6·4
24	79	77	78	82	82	79	83	82	76	77	72	71	73	78	80	85	86	88	88	78	77	77	77	80	79·4	7·5
25	82	84	84	77	83	80	75	76	72	71	61	56	55	52	47	51	51	50	58	51	57	66	64	67	65·7	5·5
26	68	77	71	67	62	63	59	60	66	72	77	74	73	80	83	86	88	89	88	79	87	87	84	86	75·7	6·7
27	79	82	84	77	78	84	87	88	86	82	86	81	72	65	70	73	68	83	73	86	80	80	85	75	79·6	8·1
28	76	79	74	74	70	74	78	75	72	87	84	77	64	68	72	63	61	72	72	75	81	78	68	64	73·5	7·1
Mean	80·4	80·9	81·7	80·9	82·1	82·4	80·9	82·4	81·5	81·7	80·3	77·3	75·6	75·3	77·2	78·0	78·3	79·9	80·0	79·4	80·9	80·0	79·7	80·2	79·9	†8·7
Vapour Pressure*	mb. 8·3	mb. 8·3	mb. 8·2	mb. 8·3	mb. 8·4	mb. 8·5	mb. 8·3	mb. 8·4	mb. 8·4	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·5	mb. 8·7	mb. 8·3	mb. 8·8	mb. 8·6	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·3	mb. 8·3	mb. 8·2	mb. ‡8·5	
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 temperatures and the mean relative humidities. †Mean of the column. ‡Mean of the row.

375. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — MARCH, 1935

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	65	69	75	74	76	86	87	87	83	83	86	84	79	75	76	69	70	70	73	66	69	69	69	64	75·2	8·0
2	68	70	65	69	63	72	72	76	70	74	71	69	72	69	66	72	73	78	79	78	77	83	86	88	72·8	8·1
3	91	81	78	70	74	70	69	67	70	71	72	71	65	57	56	60	65	71	77	72	82	77	77	82	72·0	7·7
4	85	84	87	85	91	88	88	87	90	83	86	76	74	78	73	78	75	76	81	80	83	74	90	90	82·3	8·3
5	88	90	91	91	90	94	94	94	94	90	88	83	83	84	85	85	85	85	86	87	89	87	88	87	88·3	9·9
6	87	88	91	89	92	89	88	89	88	79	73	68	69	67	68	68	70	71	73	72	73	76	75	74	78·5	9·1
7	72	72	71	69	60	55	60	60	74	73	74	70	69	67	73	71	65	64	65	67	70	72	68	67	68·0	8·0
8	62	63	67	63	66	68	64	67	64	61	59	57	55	56	61	58	61	59	61	61	63	68	66	62	62·3	7·0
9	61	56	62	57	64	62	54	56	52	51	51	46	51	49	45	46	47	50	51	57	51	57	58	61	54·0	4·7
10	62	61	62	65	64	62	64	59	60	62	63	57	62	56	57	59	58	53	58	68	66	65	63	66	61·2	4·7
11	64	68	66	68	66	64	61	62	64	62	60	57	56	55	57	55	56	57	57	57	64	69	68	68	61·7	5·3
12	68	69	67	69	68	70	67	69	69	69	68	71	67	64	64	64	64	67	70	67	67	67	67	69	67·5	6·8
13	69	69	72	70	70	73	73	71	68	67	67	65	65	63	61	60	65	66	65	65	71	73	74	75	68·1	7·2
14	75	76	74	76	69	70	69	72	68	65	61	60	60	58	60	59	60	65	64	65	61	66	69	70	66·4	6·8
15	71	67	72	77	73	72	71	71	72	71	69	70	70	76	74	80	76	79	77	73	78	73	77	73	73·4	8·3
16	78	83	84	86	84	84	84	86	82	87	84	79	81	85	93	84	81	83	81	85	70	65	67	66	81·1	9·4
17	69	73	69	66	64	67	69	66	65	68	71	70	70	66	66	68	64	70	74	71	74	87	92	91	70·7	8·2
18	92	92	96	95	96	95	94	94	94	94	94	94	97	95	92	85	84	85	87	87	85	81	79	77	90·5	11·6
19	79	76	82	86	85	84	83	83	82	83	81	84	83	83	85	86	89	89	90	87	90	91	91	93	84·9	11·0
20	92	91	93	92	94	92	91	92	88	84	83	82	79	80	83	83	87	89	89	91	92	95	92	94	88·6	10·8
21	95	94	92	96	96	89	87	88	88	91	91	94	93	94	94	92	89	92	89	93	91	84	89	88	91·3	11·4
22	87	87	87	79	83	83	83	71	82	87	76	71	63	67	74	80	79	74	75	70	73	68	69	67	76·9	9·2
23	74	78	84	88	87	85	87	85	85	92	88	89	90	87	88	89	88	86	84	85	86	83	83	84	85·3	11·4
24	83	82	89	89	87	89	92	96	95	95	94	93	93	93	91	95	88	87	87	89	89	89	85	86	89·8	12·1
25	87	85	80	84	87	84	87	87	87	87	86	86	88	88	89	88	89	90	92	90	94	94	94	94	88·0	11·4
26	94	95	94	94	94	94	94	92	92	89	92	89	88	87	86	84	87	87	88	89	89	89	89	91	90·4	10·9
27	93	89	90	91	93	94	93	96	93	94	89	88	81	81	84	76	79	83	84	88	89	90	90	94	88·4	9·8
28	93	93	93	93	94	90	90	93	88	85	86	81	76	74	75	81	82	84	84	90	86	86	85	87	86·4	9·3
29	93	92	91	94	94	90	91	90	83	76	74	73	74	69	74	73	76	76	79	80	82	78	81	86	82·1	9·1
30	83	83	83	81	82	83	83	83	78	78	80	74	75	76	74	76	76	76	76	81	82	84	85	85	79·9	9·1
31	85	84	84	84	83	81	83	80	81	77	78	81	80	82	89	92	93	93	95	95	97	95	96	94	86·6	10·8
Mean	79·5	79·3	80·3	80·3	8 ·3	8 ·0	79·7	79·7	79·0	78·3	77·3	75·2	74·5	73·6	74·6	74·7	74·9	76·0	77·1	77·6	78·5	78·5	79·4	79·8	77·8	†8·9
Vapour Pressure*	mb. 8·5	mb. 8·5	mb. 8·6	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·3	mb. 8·4	mb. 8·6	mb. 8·9	mb. 9·0	mb. 9·1	mb. 9·1	mb. 9·1	mb. 9·2	mb. 9·1	mb. 8·9	mb. 8·8	mb. 8·7	mb. 8·7	mb. 8·8	mb. 8·7	mb. 8·6	mb. 8·6	mb. ‡8·7	

376. VALENTIA OBSERVATORY: North Wall Screen h_t = 1·3 metres. — APRIL, 1935.

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	95	93	95	89	88	86	87	82	78	66	61	63	62	62	62	63	64	61	60	60	58	61	63	66	72·5	8·3
2	69	69	73	72	73	72	73	67	65	61	56	54	54	53	52	55	60	59	62	62	65	67	64	72	63·6	7·0
3	84	84	84	79	75	78	78	75	71	64	66	64	62	65	70	66	66	70	71	73	76	74	76	75	72·7	7·5
4	73	82	82	81	78	82	85	82	78	86	84	87	80	71	80	83	87	74	73	77	70	70	67	70	78·5	8·5
5	66	62	64	68	82	90	93	89	89	86	80	79	73	77	73	67	65	75	77	76	73	74	78	81	76·3	8·2
6	84	84	83	87	87	86	87	85	76	71	73	83	84	79	80	82	91	80	74	73	73	70	70	72	79·9	8·9
7	69	72	73	74	74	79	85	86	88	78	75	72	72	72	73	68	71	74	73	76	74	80	82	83	75·7	8·7
8	79	85	91	87	78	80	73	74	76	74	67	68	70	68	74	81	82	78	78	80	91	84	81	74	78·2	9·0
9	76	80	72	74	75	75	84	75	77	73	74	77	86	77	88	89	92	93	93	95	93	93	89	81	82·4	11·0
10	78	76	78	75	80	83	81	75	76	73	74	68	67	66	62	65	75	79	84	87	83	75	77	75	75·6	9·8
11	72	66	65	65	67	65	72	70	60	70	65	71	60	65	58	57	49	58	69	71	66	70	69	69	65·5	7·8
12	64	62	66	69	74	70	58	59	56	55	43	46	41	42	62	56	51	57	58	65	67	73	85	90	60·8	6·9
13	90	88	88	90	90	86	85	81	74	74	74	77	62	63	73	62	66	70	74	79	83	81	83	83	78·3	8·8
14	83	86	86	86	88	78	76	74	78	73	72	80	75	77	73	76	78	76	77	82	80	80	82	74	78·9	9·4
15	77	75	79	86	83	85	86	85	80	73	69	73	66	71	67	64	71	71	83	78	86	75	72	67	76·1	8·8
16	74	75	75	73	76	92	84	73	74	72	81	79	79	83	78	74	82	73	75	74	79	77	67	76	76·7	8·1
17	82	75	75	69	76	74	77	65	72	80	71	79	75	71	62	64	67	70	73	70	73	74	76	83	72·9	8·5
18	80	80	87	89	89	89	91	93	89	86	83	83	83	81	82	85	85	90	89	92	89	92	93	93	87·0	10·8
19	89	88	89	87	88	91	91	87	68	65	70	64	72	74	76	72	68	75	82	84	80	78	84	89	79·7	9·8
20	88	92	92	88	89	90	93	87	73	76	81	79	77	76	75	68	68	73	71	79	86	84	82	88	81·5	10·2
21	88	89	89	89	86	83	86	84	84	72	72	82	75	71	75	75	84	79	82	82	83	87	86	87	82·1	9·7
22	88	88	87	87	84	86	83	83	86	80	82	78	83	86	83	86	83	82	86	83	82	82	79	80	83·8	9·9
23	83	78	78	78	74	74	73	69	66	63	61	60	61	60	56	59	61	60	66	67	71	71	64	69	67·8	7·8
24	76	71	66	74	82	79	74	68	63	61	62	62	65	64	62	61	64	60	64	71	80	85	83	88	69·8	7·8
25	90	89	89	85	86	92	93	80	75	76	70	65	64	64	67	69	75	73	83	74	81	83	86	86	79·0	9·5
26	85	88	88	90	74	82	82	76	68	66	65	64	75	76	78	76	78	75	79	83	87	86	90	90	79·1	10·0
27	91	94	94	94	96	91	87	81	55	51	50	54	58	58	60	65	66	67	73	78	81	84	87	87	75·1	10·1
28	91	87	94	87	91	93	93	92	85	79	82	81	79	81	84	80	81	83	89	90	91	91	92	92	86·9	11·1
29	94	93	94	91	94	91	93	95	86	81	77	82	75	76	77	76	76	80	83	83	83	85	86	83	84·9	10·9
30	87	85	87	87	88	87	83	80	76	77	76	75	88	93	86	86	85	85	85	86	89	87	90	84	84·6	11·4
Mean	81·5	81·2	82·1	81·7	82·2	83·0	82·9	79·1	74·7	72·1	70·5	71·6	70·8	70·7	71·6	71·0	73·0	73·3	76·2	77·7	79·1	79·1	79·4	80·2	76·9	†9·1
Vapour Pressure*	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·5	mb. 8·5	mb. 8·5	mb. 8·9	mb. 9·1	mb. 9·1	mb. 9·1	mb. 9·3	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·6	mb. 9·5	mb. 9·4	mb. 9·3	mb. 9·4	mb. 9·2	mb. 9·1	mb. 9·0	mb. 8·9	mb. 8·8	mb. ‡9·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	12	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.

377. VALENTIA OBSERVATORY: North Wall Screen h_t (height of thermometer bulbs above ground) = 1·3 metres MAY, 1935

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	91	86	90	87	85	85	81	84	87	89	86	88	89	91	94	93	94	94	93	91	91	93	94	94	89·4	12·4
2	95	90	90	91	91	93	91	95	93	93	92	91	95	91	97	95	95	91	91	90	89	85	83	84	91·5	12·8
3	83	84	86	91	93	85	85	87	85	82	83	80	71	69	79	76	75	75	79	81	74	72	79	81	80·7	11·2
4	76	74	70	83	82	88	89	74	67	68	64	66	61	66	75	83	85	87	87	90	92	93	94	93	79·2	10·2
5	92	92	94	94	96	95	94	86	81	82	79	78	78	76	81	80	78	81	87	88	88	89	93	92	86·4	11·6
6	89	91	94	94	94	99	98	93	86	91	90	95	90	90	88	88	88	85	87	88	82	89	89	89	90·4	11·8
7	93	90	90	94	92	92	95	93	88	81	78	78	83	87	86	88	86	90	90	91	94	93	92	93	89·0	11·9
8	95	92	92	93	91	95	93	86	80	75	77	72	56	54	70	71	74	76	85	88	88	88	87	91	82·1	12·7
9	89	88	94	91	96	93	98	97	89	77	56	54	53	55	60	67	76	76	66	66	68	71	65	69	76·0	10·9
10	71	76	74	77	78	79	74	70	47	62	61	47	47	47	46	44	39	41	45	56	58	59	58	56	59·1	8·5
11	58	61	70	78	78	78	77	70	57	51	51	58	49	54	57	64	69	69	70	77	80	82	84	86	67·2	10·4
12	86	88	89	91	91	86	83	70	62	53	49	51	71	74	78	78	73	76	77	81	82	66	73	70	75·3	11·7
13	65	64	68	66	59	60	62	58	68	63	58	56	59	61	61	70	67	68	74	72	74	76	75	74	65·7	9·0
14	80	86	79	81	71	70	70	69	74	75	65	60	55	45	41	45	39	40	45	66	73	79	84	85	65·5	8·3
15	85	88	88	89	89	90	88	82	63	61	64	64	62	83	81	82	79	64	64	67	62	65	64	66	75·0	8·4
16	62	65	65	61	68	67	59	59	58	57	50	49	49	45	50	50	57	60	68	72	79	84	71	75	61·5	6·5
17	81	88	90	90	89	80	84	65	64	48	47	45	46	44	45	48	44	49	52	47	40	40	42	45	59·5	6·5
18	44	51	49	56	61	56	66	61	58	64	60	57	55	62	56	62	64	61	62	66	64	67	70	75	59·7	6·8
19	82	79	78	80	83	83	80	76	83	71	75	71	72	88	72	69	73	73	76	77	83	83	83	84	77·9	10·2
20	84	88	79	80	80	79	81	79	86	81	82	84	79	80	76	83	87	79	83	86	83	84	82	82	82·0	10·1
21	80	83	80	80	81	76	71	62	63	55	61	62	55	53	50	49	45	45	46	60	60	56	57	52	62·4	8·6
22	48	46	59	55	62	71	70	59	59	45	41	45	44	40	37	42	52	55	61	64	66	74	75	74	55·5	7·6
23	74	64	64	72	68	66	69	60	66	56	56	57	54	54	52	46	47	50	53	62	63	65	68	65	60·6	8·3
24	67	74	78	77	73	77	70	57	51	55	55	56	57	55	58	55	57	58	66	70	69	75	71	64	64·4	9·6
25	61	54	55	68	65	69	64	55	53	59	51	54	55	58	58	58	54	52	54	66	62	62	62	66	58·9	9·9
26	64	68	67	70	66	67	64	63	62	60	61	65	68	73	71	72	74	77	79	83	80	80	87	89	70·8	11·6
27	88	90	91	93	93	89	83	85	76	63	50	56	68	69	63	64	69	66	73	82	82	85	85	85	77·1	11·3
28	87	88	89	88	92	89	89	80	74	74	72	72	75	68	74	76	76	78	77	83	85	87	89	89	81·3	12·2
29	91	89	96	93	94	95	94	88	80	74	73	71	73	74	75	74	73	77	76	78	84	85	86	88	82·6	11·7
30	87	87	89	91	91	91	89	89	85	76	76	73	70	77	78	82	82	85	87	89	90	91	91	93	84·9	12·5
31	93	93	93	93	94	93	93	93	82	75	76	69	69	75	70	68	64	70	74	77	73	73	77	71	80·0	12·9
Mean	78·7	79·3	80·3	82·2	82·1	81·8	80·8	75·7	71·8	68·3	65·8	65·3	64·8	66·4	67·1	68·5	68·9	69·3	71·8	75·9	76·1	77·1	77·7	78·1	73·9	†10·3
Vapour Pressure*	mb. 9·5	mb. 9·4	mb. 9·3	mb. 9·3	mb. 9·2	mb. 9·4	mb. 10·1	mb. 10·3	mb. 10·5	mb. 10·4	mb. 10·3	mb. 10·4	mb. 10·5	mb. 10·8	mb. 10·9	mb. 11·0	mb. 10·9	mb. 10·7	mb. 10·6	mb. 10·6	mb. 10·2	mb. 10·1	mb. 9·9	mb. 9·7	mb. ‡10·2	

378. VALENTIA OBSERVATORY: North Wall Screen h_t = 1·3 metres JUNE, 1935

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

*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

379. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres JULY, 1935

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

380. VALENTIA OBSERVATORY: North Wall Screen h_t = 1·3 metres AUGUST, 1935

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

381. VALENTIA OBSERVATORY: North Wall Screen h_t (height of thermometer bulbs above ground) = 1·3 metres SEPTEMBER, 1935

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

382. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres OCTOBER, 1935

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

383. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres — NOVEMBER, 1935

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

384. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres — DECEMBER, 1935

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

385. VALENTIA OBSERVATORY: North Wall Screen: h_t = 1·3 metres 1935

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	% 83·3	% 83·3	% 83·5	% 83·5	% 83·9	% 84·0	% 83·5	% 82·2	% 81·0	% 79·7	% 78·3	% 77·3	% 76·7	% 76·4	% 76·9	% 77·2	% 78·0	% 78·9	% 80·2	% 81·0	% 81·8	% 82·1	% 82·4	% 82·8	% 80·7
Vapour Pressure in Millibars*	mb 10·2	mb 10·1	mb 10·1	mb 10·0	mb 10·0	mb 10·1	mb 10·2	mb 10·4	mb 10·5	mb 10·6	mb 10·7	mb 10·8	mb 10·8	mb 10·9	mb 10·9	mb 10·8	mb 10·7	mb 10·6	mb 10·6	mb 10·4	mb 10·4	mb 10·3	mb 10·2	mb 10·2	mb 10·4

* 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. 1935

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	81·2	+1·5	+1·6	+1·6	+1·5	+2·2	+2·1	+2·2	+1·7	+1·9	+0·6	-0·6	-0·7	-1·9	-2·9	-2·3	-2·6	-1·4	-1·9	-1·1	-0·2	-1·6	-1·1	+0·5	+1·0
February	79·9	+0·1	+0·7	+1·5	+0·7	+2·0	+2·3	+0·8	+2·4	+1·5	+1·7	+0·4	-2·6	-4·2	-4·5	-2·6	-1·8	-1·4	+0·2	+0·4	-0·2	+1·3	+0·5	+0·2	+0·7
March	77·8	+2·1	+1·9	+2·9	+2·8	+2·7	+2·4	+2·1	+2·0	+1·3	+0·6	-0·5	-2·6	-3·4	-4·3	-3·3	-3·3	-3·1	-2·1	-1·0	-0·5	+0·3	+0·3	+1·2	+1·5
April	76·9	+4·5	+4·2	+5·1	+4·7	+5·2	+6·0	+5·9	+2·1	-2·2	-4·8	-6·3	-5·2	-6·1	-6·1	-5·2	-5·8	-3·8	-3·5	-0·6	+0·9	+2·4	+2·4	+2·7	+3·5
May	73·9	+4·6	+5·2	+6·3	+8·1	+8·1	+7·8	+6·8	+1·7	-2·1	-5·7	-8·2	-8·6	-9·1	-7·5	-6·8	-5·3	-4·9	-4·5	-1·9	+2·2	+2·3	+3·4	+4·0	+4·4
June	84·1	+4·5	+4·9	+4·4	+3·8	+4·2	+4·2	+2·9	+0·2	-1·2	-2·3	-4·5	-5·7	-5·3	-4·1	-4·7	-5·2	-3·7	-2·2	-1·5	-0·6	+1·3	+3·4	+3·5	+3·4
July	83·4	+4·9	+5·4	+5·4	+4·6	+4·9	+4·3	+2·9	-0·6	-2·7	-3·4	-3·7	-4·1	-4·6	-4·6	-4·4	-4·8	-5·2	-3·5	-3·4	-0·3	+2·2	+2·9	+3·3	+4·5
August	83·6	+3·3	+3·6	+3·6	+4·2	+4·6	+4·6	+3·9	+1·5	0·0	-2·6	-3·8	-4·8	-4·9	-6·6	-6·6	-4·4	-4·5	-2·8	-0·6	+0·5	+2·4	+3·0	+3·4	+3·2
September	85·4	+1·1	+1·3	+1·3	+1·6	+2·4	+3·3	+3·4	+3·1	+2·6	-0·3	-0·7	-1·9	-3·1	-3·5	-3·1	-3·3	-2·6	-1·6	-0·4	-0·2	+0·2	-0·5	+0·2	+0·7
October	83·1	+1·6	+1·1	+0·6	+1·2	+0·9	+1·3	+0·5	+0·8	+0·6	-0·4	-1·7	-2·6	-3·1	-2·5	-3·2	-2·7	-0·6	+0·2	+1·6	+1·1	+1·9	+2·1	+0·2	+1·2
November	80·5	+1·0	+0·7	+0·8	+0·3	+0·6	+0·9	+1·2	+1·3	+2·0	+1·9	+0·1	-1·5	-2·1	-2·5	-2·7	-1·7	0·0	-0·1	+1·3	-0·1	-0·5	-0·8	-0·8	+1·0
December	79·3	+0·3	0·0	-0·8	-0·4	-0·4	0·0	+0·5	+1·5	+1·9	+1·7	-0·1	-0·8	-0·5	-2·6	-1·5	-1·2	-1·7	-0·3	+1·0	+0·8	+0·7	+0·6	+1·1	0·0
Year	80·7	+2·5	+2·6	+2·7	+2·8	+3·1	+3·3	+2·8	+1·5	+0·3	-1·1	-2·5	-3·4	-4·0	-4·3	-3·9	-3·5	-2·7	-1·9	-0·5	+0·3	+1·1	+1·4	+1·6	+2·1

† 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 1935

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 47·3	mm 44·6	mm 60·4	mm 80·3	mm 57·7	mm 56·4	mm 57·4	mm 59·0	mm 59·7	mm 42·8	mm 44·3	mm 63·1	mm 61·3	mm 53·5	mm 57·3	mm 57·0	mm 54·6	mm 44·9	mm 59·3	mm 57·9	mm 49·1	mm 34·0	mm 48·0	mm 54·2	mm 1304·1
Duration	hr 34·5	hr 35·7	hr 45·3	hr 47·9	hr 44·6	hr 37·2	hr 41·9	hr 33·8	hr 39·0	hr 27·7	hr 27·3	hr 29·3	hr 31·9	hr 28·2	hr 32·3	hr 31·4	hr 30·5	hr 29·2	hr 36·9	hr 33·4	hr 32·5	hr 30·3	hr 34·2	hr 33·6	hr 828·6

NOTES ON RAINFALL

388. VALENTIA OBSERVATORY 1935

Notable Falls of the Year:-

There was no "Noteworthy Fall" during the year.
The maximum hourly value was 10 mm which fell from 11h to 12h on June 26th.
The maximum daily value was 38 mm on June 26th.

Details of the greatest continuous falls are as follows:-

Date	Amount	Duration
	mm	hrs
Feb. 26th.	29	7·2
June 22nd.	28	12·3
June 26th.	38	15·3
Nov. 11th.	20	7·9

Wet Periods:-

There were 4 "Rain Spells" (i.e., periods of 15 or more consecutive days on each of which 0·2 mm or more of rain fell) April 4th to 22nd, June 1st to 15th, Sept. 8th - 24th and Sept.28th - Oct 13th, and 2 "Wet Spells" (i.e. periods of 15 or more consecutive days on each of which 1 mm or more of rain fell) - Feb. 18th - Mar.5th and Oct.29th - Nov 20th.

Dry Periods:-

There was no occurrence of an "Absolute Drought", Partial Drought or Dry Spell during 1935.

Rate of Rainfall (Jardi Recorder)

The highest instantaneous rate of rainfall was 124 mm/hr at 02h 14m on August 21st.
The maximum rate exceeded 50mm/hr on 32 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, 1935

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	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·2	·1	...	...	...	0·8	3·8	4
2	...	...	...	...	...	·1	...	(···)	(·1)	(···)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·3	0·7	...
3	...	·1	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·1	1
4	...	(⌓)	(⌓)	(·1)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
5	...	...	...	...	...	...	...	...	·3	·2	...	...	...	...	·2	...	...	...	...	...	...	...	·1	·2†	1·0	1·0	6
6	·3	·3	·2	·1	·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	1·4	1·6	12
7	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	(⌴)	(⌴)	(·1)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌓)	(⌓)	0·2	...	...
8	(⌓)	(⌓)	(·1)	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	·3	·5	...	...	...	...	...	...	...	·1	·2	...	1·2	1·6	4
9	...	...	...	...	...	(⌴)	(⌴)	(·1)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1†	...	...	0·1	0·1	15
11	...	...	...	...	·2	...	1·2	1·7†	1·6	1·3	...	...	...	·1	...	·8	·2	...	·1	·2	·6	...	·3	...	8·3	4·0	47
12	·1	...	...	·4	...	...	·1	·8†	·4	...	...	·1	·4	·4	·3	...	...	...	...	...	·3	·5	·2	·5	4·5	5·7	28
13	...	...	·1	·3	·3†	...	·1	(···)	(···)	(·1)	(···)	(···)	(···)	(·1)	(···)	(···)	...	...	...	...	...	·7	...	...	1·7	3·5	7
14	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	...	...	...
22	(⌴)	(⌓)	(⌓)	(·1)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·1	3
25	...	...	...	...	...	...	...	·4	·3	...	·1	...	·1	·1	·1	...	...	·1	...	...	...	...	·3	·9†	2·4	1·3	24
26	·2	·1	...	·1	·6	...	·3†	·1	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	1·6	1·0	17
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	·2	·4	·1	·3	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	3·1	2
30	...	...	...	...	...	...	·1	·1	·1	·4	·2	...	·3†	...	...	...	...	...	...	·1	...	...	...	...	1·3	2·8	6
31	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	...	0·3	0·3	3
Sum	0·8	0·9	0·6	1·5	1·8	0·2	2·1	3·3	2·9	2·0	0·3	0·1	1·2	1·2	0·6	0·8	0·3	0·3	0·3	0·6	1·0	1·4	1·1	1·9	27·2	31·9	
Total Duration	hr 0·8	hr 1·9	hr 1·5	hr 2·5	hr 2·1	hr 0·6	hr 2·5	hr 1·6	hr 2·1	hr 1·4	hr 0·5	hr 0·2	hr 1·8	hr 1·7	hr 0·9	hr 0·2	hr 0·3	hr 1·1	hr 1·1	hr 1·6	hr 1·5	hr 1·8	hr 0·9	hr 1·3	hr 31·9		

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

390. VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

FEBRUARY, 1935

Day	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		
	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	·3	...	·2	·2	·1	...	...	·1	...	...	1·1	1·8	2
2	...	...	...	...	...	...	·1	·1	·1	·2	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·6	1·6	4·1	3
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	·1	·2	·4	...	·1†	·3	·1	...	...	...	...	...	·2	·2	·1	...	...	...	...	...	...	...	1·7	3·7	5
5	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	·8	·6	·4	...	...	·2†	...	...	...	...	2·1	2·2	6
6	·3†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·1	12
7	...	...	...	...	...	...	(⌴)	(·1)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
8	...	...	...	...	...	...	(⌴)	(⌴)	((·2)	(⌴)	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	(⌴)	0·2	...	...
9	(⌴)	(⌴)	(⌴)	(⌴)	(⌴)	(⌴)	(⌴)	(⌴)	(·1)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	·1	·3	·1	...	·1	2·8†	...	3·7	1·7	66
12	·2†	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9	·8	·2	·1	·5	·1	3·1	3·5	6
13	...	·1	2·6	4·5†	1·5	·2	·3	·1	·1	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	9·5	4·9	10
14	...	1·5†	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	0·4	37
15	...	...	1·1	1·3	2·0†	·2	·3	(·1)	(·1)	(···)	(·1)	(···)	...	...	...	...	...	...	...	...	...	...	...	...	5·2	4·2	10
16	...	...	...	...	...	...	...	...	...	2·2†	·1	·1	·1	...	·6	·1	...	...	...	...	...	...	...	·1	3·3	1·9	35
17	...	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·3	0·2	8
18	...	...	·7	·4†	·1	·1	...	...	...	...	...	...	...	...	1·1	1·1	...	...	...	...	...	...	...	...	3·5	4·2	8
19	...	...	·2	2·8	4·1†	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	·2	2·0	11·0	4·8	30
20	2·9	2·5	2·0	3·2	1·6	·8	·6	...	...	...	...	...	1·4	...	·3	·9	...	...	...	...	...	·8†	·4	...	17·4	7·3	31
21	...	·3	·5	1·0	·7	·1	...	...	·2	...	·2	·5†	...	·3	·3	·8	·2	...	...	...	·2	...	...	...	5·3	2·2	33
22	...	...	...	...	·1	...	...	...	·4	...	...	...	·1	·6†	...	...	...	·1	...	...	...	...	...	...	1·3	1·0	9
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·5	·7†	...	...	...	2·5	1·2	19
24	...	...	...	...	...	...	1·6†	·4	...	·2	...	...	·1	...	·2	·6	1·5	...	...	...	·7	·5	...	...	5·6	3·1	36
25	·3	·1	1·3†	·4	1·4	·9	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·4	5·6	9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	2·5	1·4	1·6	1·9	2·6	9·8†	8·8	·7	·5	·3	30·4	8·1	91
27	...	...	...	...	...	·8	1·7	·2	...	...	1·0	...	...	...	...	·1	...	·5	...	1·0†	·7	·7	1·3	·1	8·1	4·1	48
28	...	...	·2	...	...	...	...	...	...	1·1†	...	...	...	...	·4	...	...	·2	...	...	...	1·5	...	...	3·4	1·5	10
29																											
Sum	3·8	4·5	8·9	13·8	12·0	4·3	5·6	1·4	1·6	3·7	1·4	0·6	1·8	1·5	6·6	5·8	4·0	3·1	4·2	13·4	12·1	4·7	6·0	3·2	128·0	71·8	
Total Duration	hr 1·7	hr 1·6	hr 5·4	hr 6·0	hr 6·9	hr 4·0	hr 5·1	hr 2·0	hr 1·8	hr 1·8	hr 0·9	hr 0·3	hr 1·4	hr 1·2	hr 4·1	hr 3·9	hr 2·6	hr 1·7	hr 2·7	hr 3·2	hr 3·6	hr 3·5	hr 3·6	hr 2·6	hr 71·8		
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 (5mm/hr or more).

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, 1935

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	·7	1·8	2·0	·8	·1	·9†	...	...	...	...	...	...	...	...	...	...	·1	...	6·6	4·6	12
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9†	1·0	1·1	10
3	1·9	·2	·6	...	·1	...	...	...	·5†	·3	·1	...	...	...	...	...	...	...	·2	...	·1	...	...	...	4·0	1·9	25
4	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	1·5	3·8†	4·1	9·5	2·2	41
5	2·0†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	0·9	20
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·5	·3	·7	·3	·2	·9†	·5	1·4	·6	5·5	8·7	5
16	...	·1	·3	·6	·2	...	·2	...	·2	·6	...	...	...	...	·4	2·7†	1·7	·7	1·0	1·3	...	...	...	...	10·0	9·0	11
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	0·4	2·1	4
18	·1	·3	·1	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	0·8	2·4	3
19	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	0·3	0·9	...
21	...	...	...	...	...	...	...	...	...	...	...	·3	1·1	·8	1·5†	·2	...	...	...	...	...	...	...	...	3·9	3·6	5
22	...	...	·6	...	...	...	·1	·7†	1·4	·3	·8	·2	...	...	...	·7	...	...	...	...	...	...	...	...	4·8	1·6	68
23	...	...	1·6	2·3†	·2	...	...	...	...	...	...	...	·2	·3	...	...	...	...	...	...	...	...	...	...	4·6	2·7	10
24	...	...	...	...	...	...	...	...	·4	·3	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·3	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	·3	·2	·3	1·0	2·2	4
Sum	4·0	0·6	3·2	2·9	0·6	0·2	1·0	2·5	4·5	2·4	1·5	1·7	1·4	1·1	1·9	4·1	2·0	1·5	1·5	1·5	1·1	2·4	5·9	6·2	55·7	46·2	
Total Duration	hr 2·4	hr 1·4	hr 2·0	hr 1·8	hr 1·1	hr 0·2	hr 1·5	hr 1·1	hr 2·7	hr 2·0	hr 1·7	hr 1·2	hr 1·3	hr 1·3	hr 2·0	hr 2·1	hr 2·0	hr 2·2	hr 1·9	hr 2·0	hr 1·4	hr 1·6	hr 4·3	hr 5·0	hr 46·2		

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

392. VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

APRIL, 1935

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	0·8	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	·1†	·3	·2	...	·2	·2	...	·1	...	·1	...	...	...	...	...	·2	...	...	...	...	...	...	...	1·4	1·2	14
5	...	...	...	...	...	...	...	...	·1	...	...	1·1†	·3	...	...	...	...	...	...	...	...	...	...	...	1·5	0·3	28
6	...	...	...	·1	...	...	...	·1	·1	...	...	·3	1·9	2·6	2·3	2·6	3·5†	...	...	...	...	...	...	...	13·5	5·6	24
7	...	...	...	...	...	...	·7†	·1	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	0·8	15
8	...	1·1	...	...	...	·2	...	...	...	...	...	...	...	...	·2	1·3	2·0	1·7†	...	·4	1·3	...	...	...	8·2	4·6	24
9	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·5	1·6	2·2	2·4	1·0	2·0	1·8†	·2	·1	·4	12·3	6·9	25
10	...	·1	·1	1·2†	...	·1	...	·1	...	...	...	...	...	...	...	...	·5	1·1	·7	·2	...	...	·1	...	4·2	2·4	49
11	...	·1	...	...	...	...	·4†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·4	12
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3†	1·7	6·0	1·6	23
13	...	...	·4	...	·1	...	...	...	...	...	...	...	...	...	·2	...	·2†	...	...	·2	...	·2	...	...	1·3	0·6	13
14	·6	·6	·8	2·0†	1·9	·2	·1	·1	·2	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	6·7	3·2	22
15	·2	·2	1·0†	...	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	·4	...	·4	·6	...	...	3·0	1·4	13
16	·3	...	·3	...	...	·8	...	...	·5	·2	·1	·9	·9	1·4	·6†	·2	·3	·1	...	·4	·2	·5	...	·5	8·2	3·6	30
17	·2	·4	·6	...	·3	1·4†	·1	...	...	·2	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	4·1	1·7	41
18	...	...	·2	·9	1·6	·8	·7	·3	...	...	...	...	...	...	...	...	...	·2	1·9†	·4	...	·3	...	·8	8·1	6·7	24
19	·3	...	...	...	...	...	...	...	...	...	...	...	...	·7†	·6	...	...	·1	1·2	...	...	...	·2	·1	3·2	1·8	32
20	·3	1·2†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	...	...	...	2·4	1·6	5
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·2†	...	...	0·4	0·2	6
22	...	...	·7	...	...	...	...	...	2·2†	·4	·1	...	·2	·7	·1	·1	·1	...	·2	·4	...	·2	...	·1	5·5	2·0	20
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·1	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌓)	(⌓)	...	...	...
28	(⌓)	(⌓)	(⌓)	(·1)	(⌓)	(⌓)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌓)	(⌓)	0·1	...	...
29	(⌓)	(⌓)	(·1)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	1·2	·8	...	...	·2	...	...	...	...	...	·1	...	2·3	2·4	4
Sum	2·1	3·8	4·5	4·5	4·0	3·7	2·2	0·7	4·0	0·8	0·3	3·2	4·8	6·2	4·5	5·8	9·4	5·6	5·4	4·2	4·4	2·3	4·8	3·6	94·8	50·1	
Total Duration	hr 2·2	hr 1·8	hr 2·4	hr 1·9	hr 2·1	hr 2·3	hr 2·0	hr 1·1	hr 1·9	hr 0·3	hr 0·3	hr 0·9	hr 2·5	hr 3·0	hr 2·5	hr 3·2	hr 4·5	hr 2·6	hr 3·1	hr 2·7	hr 2·1	hr 1·2	hr 1·9	hr 1·6	hr 50·1		
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 (5mm/hr or more.)

x

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, 1935

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	...	·3	1·5	·2	·2	...	...	·2	...	·2	·1	·5	2·0†	·7	...	1·4	2·4	·7	1·1	·2	...	...	...	11·9	9·2	39
3	...	·1	...	3·3†	1·7	...	·3	...	...	...	·7	1·0	·2	...	...	·2	...	...	...	·1	·2	...	...	...	7·8	5·7	16
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	·5†	·1	...	...	...	...	1·1	2·7	7
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	·2	·2	...	·1	·1	...	...	...	...	...	...	...	...	...	0·6	0·7	3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	0·3	0·4	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7†	...	...	...	0·7	0·2	23
17	...	·2	·3	·9	·5	...	1·0†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	3·0	8
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	·8	·3	·6	·2	...	...	·1	...	...	...	...	...	...	·4	...	...	...	...	·2	...	...	1·2†	·3	·1	4·2	2·0	20
20	...	·3	...	...	...	...	...	...	1·0†	...	·4	·5	...	...	...	·6	·7	·1	·2	1·1	...	...	...	...	4·9	2·7	11
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	1·0	0·9	1·2	5·2	2·4	0·2	1·4	...	1·2	...	1·5	1·8	0·7	2·5	0·9	1·3	2·3	2·5	1·6	2·4	1·1	1·2	0·3	0·1	34·4	26·6	
Total Duration	hr 0·7	hr 0·7	hr 0·9	hr 2·6	hr 2·6	hr 0·7	hr 1·1	hr ...	hr 0·6	hr ...	hr 1·5	hr 1·6	hr 0·5	hr 1·0	hr 0·9	hr 2·1	hr 2·5	hr 1·1	hr 1·8	hr 1·7	hr 1·4	hr 0·3	hr 0·2	hr 0·1	hr 26·6		

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

394. VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

JUNE, 1935

Day	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		
	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	·8	1·6†	·1	·1	...	...	...	1·5	·3	...	5·2	3·1	18
2	2·7	·3	...	...	...	...	...	...	...	...	...	...	...	...	2·3†	·8	·6	...	...	·3	·3	...	...	...	7·3	2·5	63
3	...	·3	...	...	...	...	·6	1·9	·1	·5	·6	...	4·2†	·5	1·0	...	...	...	·3	...	...	·2	...	...	10·2	4·7	58
4	·7	·1	...	...	·7	·2	·4	·6	1·4	·2	...	·3	1·9†	...	·4	...	1·1	...	...	...	·5	...	...	·3	8·8	5·7	41
5	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	8
6	...	·4	·8	·9	1·1	3·2	1·9	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	1·8†	...	11·7	7·8	20
7	·3	...	...	·9	1·9	·2	...	·1	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·8†	4·5	2·1	23
8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	2
9	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·5†	·5	·5	·7	1·8	1·7	5·9	4·9	31
10	·6	·3	·2	...	...	...	...	...	...	...	...	...	·5	1·3	3·8	3·7†	1·7	1·6	·3	1·0	·2	·7	·8	·1	16·8	12·1	15
11	·2	·6	·5	·3	·2	·2	·8	·2	...	...	...	...	...	·3	...	...	...	·1	3·1†	...	·1	...	1·7	·3	8·6	5·5	81
12	...	...	...	...	...	...	·3†	...	·1	...	...	...	...	...	...	·7	·4	·6	...	...	·1	...	·1	...	2·3	1·0	16
13	...	·6	·1	·2	...	·6	...	...	...	...	...	·3	...	4·0†	1·2	·5	·1	1·5	·4	·5	...	...	...	·4	10·4	4·9	40
14	·4	·3	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·6†	1·6	3·1	14
15	...	·5	·5	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	·6†	...	...	...	...	...	1·8	0·4	23
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	·3	·2	·2	...	1·6†	·2	...	...	...	·2	·7	1·1	1·0	1·2	·4	·2	7·3	7·2	9
18	·1	...	...	...	...	...	...	...	·1†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	6
19	...	·1	·5	5·9†	·6	·1	·1	·1	2·2	1·3	6·2	5·3	1·5	·3	...	·2	...	...	...	...	...	...	...	·2	24·6	11·4	70
20	·8	2·0	3·4†	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·6	8·0	5·4	68
21	·7	·4	1·0	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8†	4·8	10·7	5·5	15
22	1·5	·5	1·1	·4	·6	·8	3·4	4·9†	5·0	1·8	·4	1·6	...	...	...	...	...	...	...	...	...	...	...	...	22·0	10·7	21
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	...	...	...	...	...	...	...	0·6	0·2	10
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	1·0	6·6	4·3	·5	2·2	10·2†	4·6	1·0	·8	1·6	1·5	·7	1·0	1·0	·7	·2	...	...	37·9	15·3	45
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·0	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	8·2	6·4	8·4	9·9	5·9	5·3	8·5	15·1	13·5	4·9	9·6	17·7	14·5	8·4	10·3	9·1	6·1	4·9	6·9	4·4	3·4	5·5	10·3	10·0	207·2	115·4	
Total Duration	hr 5·5	hr 7·0	hr 8·1	hr 6·5	hr 6·2	hr 3·2	hr 6·4	hr 6·1	hr 4·8	hr 4·3	hr 3·0	hr 2·4	hr 4·1	hr 4·5	hr 4·2	hr 3·6	hr 3·1	hr 4·1	hr 4·3	hr 4·2	hr 4·3	hr 5·1	hr 6·0	hr 4·4	hr 115·4		
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	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 (5mm/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, 1935

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	...	0·2	0·5	...
2	...	·2	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·3	...
3	...	...	...	...	...	...	...	...	·1	·1	·1	·1	...	...	...	...	...	...	...	...	·1	...	...	...	0·5	0·8	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	0·2	1·1	...
5	·1	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	0·7	3·7	...
6	·2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	·1	2·7	·8	·2	·1	·1	...	·2	·2	·3	·1	1·8†	·3	·2	·1	7·2	8·0	21
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	·4	·9	1·0	·7	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	3·4	4·4	1
14	...	·3	·9†	·7	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	2·3	8
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	·1	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·5	0·8	...
17	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4	1
18	·1	·8†	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·6	2·0	14
19	·1	·1	·8	·3	·9	1·5	·9	·2	...	...	...	·3†	...	...	...	...	·2	·1	·3	·3	·2	·1	...	...	6·3	7·3	9
20	...	...	·1†	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3	10
21	...	...	...	...	...	...	...	·1	1·6†	2·4	2·1	·2	·1	...	...	·1	...	...	...	...	...	...	·1	·1	6·8	7·1	10
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	0·6	0·4	2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	·1	·1	0·8	1·7	2
27	·1	·1	·1	·1	·1	·3	·2	...	·1	...	...	...	...	...	...	...	...	...	·3	·2	...	·1	...	·1	1·8	6·5	2
28	·1	...	...	·1	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	0·6	3·5	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	0·7	1·7	2·3	1·4	2·1	1·9	1·6	1·2	2·9	3·3	5·3	1·9	0·5	0·1	0·1	0·1	0·5	0·3	0·9	1·2	2·3	0·6	0·6	1·4	34·9	52·8	
Total Duration	hr 3·0	hr 4·4	hr 4·9	hr 3·8	hr 2·8	hr 2·1	hr 2·5	hr 1·5	hr 2·7	hr 2·4	hr 2·8	hr 2·7	hr 2·3	hr 0·5	hr 0·6	hr 0·6	hr 0·6	hr 0·6	hr 1·2	hr 1·2	hr 1·8	hr 1·6	hr 2·3	hr 3·9	hr 52·8		

† 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, 1935

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		
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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	·3	·3	0·8	1·9	1
5	·7†	·6	...	...	·2	...	·1	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	2·6	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	0·1	...	...
7	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	...	0·6	0·9	1
8	·5†	·1	...	·8	2·8	1·8	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·0	3·4	16
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·3	1
11	·4	...	·3	·1	...	...	...	...	...	...	·8	1·1	·2	...	·3	...	·7	2·9†	2·6	·6	·3	·5	·2	·4	11·4	9·3	14
12	3·0†	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	1·7	19
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·2†	...	...	0·3	0·2	11
14	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3	...
15	...	...	...	...	...	...	·2	·3	...	...	...	...	...	...	...	...	...	...	·1	·2	·7†	·2	·8	·3	2·8	5·0	11
16	...	...	1·2†	·4	·5	·2	·8	·1	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	3·5	5·1	11
17	...	...	...	·1	·1	1·0	1·4†	...	...	...	...	...	...	·1	·4	...	...	...	...	·1	·1	·1	...	...	3·4	3·9	37
18	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·2	0·3	2
19	...	...	...	·3	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	1·1	2·7	3
20	·1	·1	·1	·2	·3	·3	·1	·2	·1	...	...	...	...	...	...	...	...	·1†	·9	·4	·4	·1	...	...	3·4	10·2	5
21	...	·7	8·2†	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·1	2·1	124
22	...	...	...	...	...	...	...	...	...	...	·2	·8†	1·3	...	...	·9	1·7	·4	·9	4·2	3·2	1·7	...	...	15·3	7·6	26
23	...	...	...	...	...	...	...	·2	·3	...	...	·1	...	...	·1	...	...	3·1†	1·5	·2	·5	·6	·4	·7	7·7	2·7	68
24	...	·3	·2	·1	...	...	1·8†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	0·9	18
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	·4	...	...	...	...	·4	2·4	1·5	·9	1·6	1·8	3·6†	·2	...	...	...	...	·5	...	...	...	...	·4	13·7	7·9	20
27	·2	...	...	3·3	·7	...	·3	·1	...	...	2·9	·1	...	·1	...	·7	...	...	·1	·4	·7	...	·2	5·2†	15·0	3·4	68
28	1·5	1·5	·9	1·0	1·0	1·3	·7	·2	·1	...	...	...	2·6†	·7	...	·1	...	...	·2	...	...	...	...	...	11·8	6·0	68
29	...	...	·3	·7	...	...	...	...	·6†	...	·1	...	...	...	...	...	·8	...	...	...	...	...	...	...	2·5	0·6	35
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1†	...	...	...	...	...	...	...	...	1·1	0·1	68
Sum	6·6	3·8	11·2	8·2	6·5	4·6	6·8	3·5	2·7	0·9	5·6	3·9	7·7	1·1	0·8	3·0	3·2	6·6	6·9	6·4	5·9	3·6	2·5	7·5	119·5	79·1	
Total Duration	hr 4·2	hr 3·3	hr 3·7	hr 6·9	hr 6·6	hr 3·6	hr 4·3	hr 3·6	hr 1·9	hr 1·0	hr 2·3	hr 2·7	hr 1·9	hr 0·8	hr 1·0	hr 1·1	hr 1·6	hr 2·6	hr 5·5	hr 4·4	hr 4·9	hr 3·8	hr 4·3	hr 3·1	hr 79·1		
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 (5mm/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, 1935

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†	·8	·2	·1	...	·1	...	...	...	...	...	...	...	...	...	3·9	3·5	5
2	...	...	...	...	2·5	·2	·1	...	...	...	...	...	...	...	·9	...	...	...	...	·2	...	...	...	1·5†	5·4	1·5	54
3	1·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·2	26
4	...	...	·1	...	·1	·5	...	...	...	...	·3	·5	...	...	...	·6†	1·0	1·4	...	...	...	...	...	...	4·5	2·2	26
5	...	...	...	...	...	...	...	...	...	...	·8†	·9	·3	...	...	...	...	...	...	...	...	...	...	...	2·0	2·2	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	·2	·7	1·8	5·1	3·1†	·2	...	...	...	...	...	...	...	...	11·1	4·0	22
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·1†	1·0	2·7	2·9	6
10	...	...	...	...	...	...	...	...	·3	·1	·7	1·0	1·6	2·9	·9	·7	·1	·4	1·8	·2	1·8†	·8	·3	...	13·6	8·6	20
11	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	1·7†	·1	·1	...	...	...	...	...	...	...	2·2	2·2	64
12	...	·2	·7	...	...	...	...	...	...	...	·1	·2	...	...	...	·6	1·9†	1·4	·1	...	...	...	...	...	5·2	2·9	21
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	3·4†	·3	3·9	0·6	76
14	...	...	...	·2	...	·3	...	...	·6	...	...	1·3†	...	...	...	...	...	...	...	·1	...	...	·6	·5	3·6	1·4	94
15	·1	...	...	·2	·6	·5	1·9	·5	1·4	·2	...	1·5	·2	...	...	·2	...	...	·1	...	1·6†	·4	·7	...	10·1	3·2	77
16	...	...	...	...	·4	...	...	...	...	...	1·3	1·6	2·5	3·5	2·5	1·4	1·1	4·3†	·1	...	·1	...	...	·4	19·2	7·1	59
17	...	·7	·1	...	...	...	...	...	...	...	·2	...	...	...	·3	·8†	·1	·1	...	...	...	...	...	...	2·3	0·9	44
18	1·2†	...	...	...	...	...	...	·1	·1	...	·1	...	...	...	·5	·7	1·9	·4	·2	·3	2·5	·2	·3	·2	8·7	6·9	34
19	...	...	...	...	...	·1	...	...	·1†	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·2	0·5	0·5	10
20	·6	1·3†	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	2·7	19
21	...	...	...	...	...	1·2†	·9	1·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	3·8	5
22	...	...	...	...	...	...	...	5·6†	1·1	...	·4	·6	·8	...	...	·4	...	...	...	...	...	...	...	...	8·9	1·7	67
23	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·9	·7	1·3	·2	·9	1·6	...	·5	1·8†	8·8	8·3	22
24	·1	·2	·1	·1	·1	·1	·1	·1	·1	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	1·1	8·7	1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	·2	·9	·7	·9	2·0	1·6	1·8†	·8	·4	·9	·6	·6	·6	...	...	·1	·1	...	...	...	...	...	12·2	12·0	25
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3	...
28	·5	·6	·3	·3	·1	...	·3†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·7	8
29	...	...	...	...	...	...	...	...	...	·3	·5	3·0	3·5	1·9†	...	...	...	...	...	1·3	1·3	...	...	·1	11·9	5·5	23
30	...	·7	...	·4	·1	...	·9†	...	·1	...	...	·8	...	·1	·1	...	...	...	...	...	...	1·0	·1	·1	5·0	2·0	43
Sum	3·6	3·7	1·7	2·1	4·6	4·0	6·3	9·1	7·0	2·9	5·8	13·2	11·4	14·3	11·7	6·6	6·9	9·5	2·6	3·6	8·9	3·0	7·1	6·1	155·7	99·5	
Total Duration	hr 3·2	hr 3·6	hr 3·6	hr 2·9	hr 3·5	hr 4·7	hr 4·0	hr 4·2	hr 5·9	hr 2·7	hr 5·1	hr 6·5	hr 5·8	hr 5·2	hr 6·0	hr 4·2	hr 4·5	hr 5·1	hr 2·6	hr 2·5	hr 3·8	hr 2·8	hr 3·2	hr 3·9	hr 99·5		

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

398. VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

OCTOBER, 1935

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	·2	·2	·3	...	...	...	...	·3	...	·2	·9†	...	...	...	...	...	...	...	...	·4	·1	3·5	1·8	84
2	·1	·6	2·9	2·1	·7	·5	...	...	...	...	·3	·4	·1	1·1	·1	·6	2·1†	...	1·3	·2	...	...	...	...	13·1	5·4	51
3	...	·7†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·0	0·3	14
4	...	·2	...	1·7	·9	·9	...	...	·2	...	·5	2·3	3·1†	·1	·4	·6	...	...	1·7	·2	·1	·1	...	...	13·0	4·6	44
5	...	·8	...	·1	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	1·2	...	·1	·6	·8†	...	3·8	1·4	36
6	·3	·1	...	...	...	...	...	...	...	...	·1	·5†	·5	·1	·3	...	...	...	...	...	...	...	...	...	1·9	1·3	18
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·3	·6	2·2†	2·3	·1	...	7·5	4·7	29
8	...	·4	·8	...	·1	...	·2	...	·3	·1	·4†	...	·3	·4	...	...	...	...	...	·1	...	·9	·2	...	4·2	2·0	56
9	...	...	·5	·7	·8	1·0	·1	·1	·1	·2	·2	·2	...	1·5	2·2†	1·3	1·4	1·2	·2	·2	...	...	...	·2	12·1	12·4	17
10	...	...	...	·1	·2	·6	...	·5	...	...	...	...	...	...	...	...	...	...	·6†	...	·1	·6	...	1·2	3·9	1·9	24
11	·1	...	...	·9†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·2	52
12	·1	·2†	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4	14
13	...	...	...	...	·2	...	...	...	...	·2	·3	1·0	·9	·6†	·2	...	...	·1	...	·2	...	·1	...	...	3·8	4·9	10
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	·1	...	...	...	·1	·3	·2	·1	·1	...	...	·1	·1	...	...	...	...	...	...	...	·1	·2	...	...	1·4	7·5	3
16	...	...	...	...	...	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	2·6	2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·3	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·8	1·5†	·2	...	...	...	2·8	1·7	32
19	...	...	...	...	...	...	...	·1	·3	·2	·4	...	...	...	...	·5†	...	...	·2	...	·4	...	...	...	2·1	1·2	20
20	...	·1	1·5	·5	·6	·1	·2	1·9†	·1	·4	·1	...	·3	·1	...	...	...	·2	...	...	·2	...	...	...	6·3	2·5	46
21	...	...	...	...	...	·3	·2	·5	·7	·1	·1	...	·1	...	·8	·7†	·3	...	·1	·2	...	...	...	...	4·1	6·6	11
22	...	...	...	...	...	...	...	·1	·8	1·2	2·4†	1·1	·3	·3	·7	1·5	2·2	1·0	·5	·2	·1	...	...	...	12·4	11·5	13
23	·1	...	·1	...	·1	1·9	1·0	2·0	·3	...	...	...	...	...	·8	·1	...	...	·4†	...	...	·2	...	...	7·0	5·8	28
24	...	...	1·0†	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	·1	·3	·2	2·3	4·1	2·4	42
25	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	0·6	1·4	3
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	·3	·2	...	·2	·1	...	...	...	...	·3	·2	...	...	1·7†	...	·4	...	·3	·2	3·9	2·8	27
30	...	...	...	1·2	...	·1	...	...	·1	...	·1	...	...	·3	...	2·7†	1·3	·7	·2	·1	·1	·1	...	...	7·0	3·6	69
31	...	...	...	...	·2	...	·1	...	...	...	...	...	...	...	·2	·2	...	·6†	...	...	...	...	...	...	1·3	0·6	19
Sum	1·0	3·1	7·5	7·5	4·2	6·6	2·4	5·4	3·4	2·6	5·4	5·6	5·9	5·4	6·0	8·4	7·3	5·1	10·2	3·5	4·1	5·6	2·2	4·4	122·8	92·0	
Total Duration.	hr 2·2	hr 1·4	hr 3·6	hr 3·4	hr 4·1	hr 6·6	hr 5·5	hr 5·7	hr 5·5	hr 2·3	hr 3·1	hr 3·7	hr 3·7	hr 3·3	hr 4·1	hr 4·5	hr 3·5	hr 3·8	hr 5·3	hr 3·4	hr 3·6	hr 4·9	hr 2·2	hr 2·3	hr 92·0		
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 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, 1935

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	·6	·1	1·6	·4	1·4†	·7	·1	·1	·2	...	...	1·1	1·4	3·0	·2	·6	1·6	·1	·1	...	...	13·6	4·1	72
2	...	·1	·5	3·6	·1	·2	...	...	·9†	...	·6	·6	·1	·1	...	...	...	...	·6	...	...	...	...	...	7·4	2·7	43
3	...	...	...	...	...	2·5	6·4†	3·9	1·6	...	...	·2	·2	...	·7	·3	1·4	·5	1·0	1·6	...	...	·1	·7	21·1	6·6	37
4	4·1†	·3	·9	·4	...	...	...	·1	·4	...	...	...	...	...	...	...	·6	·5	...	...	...	·3	...	·3	7·9	3·7	18
5	...	1·2	1·2	3·5†	...	...	...	...	...	·1	...	...	...	...	...	...	·2	...	1·0	1·5	·1	...	...	...	8·8	3·2	54
6	·5	...	·1	1·4†	·7	·2	...	...	...	·3	...	·1	...	...	·2	...	...	...	·1	·1	...	...	·9	...	4·6	1·9	43
7	...	...	...	·1	...	4·4	2·5	...	...	...	·1	·2	...	...	·9	3·2	...	...	3·4†	2·0	·4	...	·7	·1	18·0	4·7	63
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	2·0	3·5	2·0†	·1	...	...	...	8·5	3·5	24
9	...	...	·1	·9	...	·7†	...	·7	1·9	·6	...	·2	...	...	...	...	...	·1	·2	...	...	·4	·1	·5	6·4	3·1	34
10	·5	1·3†	·4	·7	·4	1·2	2·8	·1	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	2·9	75
11	...	...	...	...	...	...	...	...	·8	2·3	1·3	4·3	4·0	3·1	2·6	1·4	·2	·2	...	·9	·1	...	·5†	...	21·7	8·5	25
12	·2	...	...	...	...	...	...	...	·4	...	...	...	...	·1	...	·4	1·9†	·1	...	·3	...	·1	...	·8	4·3	1·5	31
13	·3	·7	1·2	·2	...	...	...	...	...	·9†	...	...	·5	·1	...	·1	...	·2	·7	·1	...	...	·1	·1	5·2	2·7	30
14	·3	3·1†	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·1	...	·1	...	1·6	7·7	2·3	53
15	·2	...	...	·6	·8	...	...	...	·7†	(·4)	...	(·2)	...	(·4)	(·2)	(·3)	(·7)	(·1)	(·3)	...	(·4)	...	·3	...	5·6	3·4	27
16	·2	·7	...	·6†	·3	...	·1	·1	1·1	2·0	...	...	...	·1	...	...	·5	...	...	...	...	...	...	...	5·7	3·0	24
17	·2	...	...	·5	...	1·1	·1	2·5	·8	1·8†	...	·7	·7	·3	...	...	...	·2	1·7	1·6	·2	·3	...	·1	12·8	3·4	44
18	...	...	...	...	·1†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	5
19	...	...	·1	·5	·3	1·7	2·4	1·9	1·0	3·0†	·9	...	...	...	...	·7	...	·1	·8	·1	·5	...	...	·6	14·6	8·7	71
20	·7†	·3	·3	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·5	0·7	25
21	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·2	·1	...	·1	...	·3	0·6	0·9	4
26	1·4	...	...	·2	·3†	...	...	...	...	...	...	...	·1	...	...	...	...	...	·1	...	...	...	...	...	2·1	1·6	15
27	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·4	·7	·9	·2	·2	·7	2·1	1·5†	1·1	·1	1·3	9·4	9·7	14
28	·4	·2	·1	·1	·3	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·3†	...	1·7	4·4	12
29	·2	...	...	...	...	...	...	...	·3	·2	...	...	...	...	...	·2	1·1†	·2	·1	·1	...	...	...	·1	2·5	1·9	34
30	...	1·3	·4	2·0†	·4	·5	...	·2	·3	1·5	...	...	1·1	2·2	·7	...	...	...	...	...	...	...	...	...	10·6	4·4	48
Sum	9·2	9·2	5·9	15·9	3·9	14·2	14·8	11·0	11·0	13·8	3·0	6·8	6·8	6·9	7·1	8·9	10·7	4·6	16·2	15·2	3·4	2·5	3·1	6·6	210·7	93·8	
Total Duration	hr 4·6	hr 5·2	hr 5·2	hr 5·2	hr 2·4	hr 4·8	hr 4·0	hr 3·3	hr 5·1	hr 5·3	hr 2·4	hr 2·3	hr 2·9	hr 4·0	hr 3·9	hr 4·1	hr 4·2	hr 3·8	hr 5·9	hr 5·9	hr 2·2	hr 1·9	hr 1·9	hr 3·3	hr 93·8		

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

400. VALENTIA OBSERVATORY: H_r = 9·1 metres + 0·5 metre

DECEMBER, 1935

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	·2	·9	1·3	1·0	·8	...	...	...	·8†	·4	...	...	...	...	...	...	·7	·6	·3	...	·4	·2	8·1	5·8	51
2	·5	...	1·2	·3	...	·2	·1	...	·2	...	...	...	·3†	...	...	·2	...	...	·2	...	...	·1	·2	...	3·5	1·2	27
3	...	·3	...	1·4	·4	2·4†	·3	1·8	·7	·5	·7	·6	·4	·1	·5	·2	·3	...	·5	·5	...	·2	·4	·1	12·3	8·7	23
4	·1	...	...	...	...	1·5†	...	...	...	·2	...	·4	·5	·1	·2	...	·1	...	·7	...	·6	·6	1·3	...	6·3	2·9	18
5	...	...	·1	·4	·3	·3	·5†	·2	...	·2	...	...	...	...	...	...	...	·9	·2	...	...	...	...	·3	3·4	2·4	16
6	1·8	3·0	·1	·2	...	...	·1	·7†	·7	·8	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	7·5	2·9	42
7	...	...	...	...	...	...	...	...	·1	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·6	2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	·1	1·4	1·7	2·2†	1·4	·7	...	·1	...	...	...	·2	...	...	...	...	·2	8·0	5·7	12
15	...	...	·1	·1	...	...	·2	...	·3	·5†	·1	·3	·1	...	...	·1	...	...	...	...	...	...	·4	...	2·2	1·4	20
16	...	...	·1	...	·2†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3	5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	·1	·1	·9	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·5	3
19	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	0·3	1·3	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	(⌴)	...	...	...
21	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·3	·8	1·2	2·8	4·2	4
24	1·0	1·2	·5	·3	1·1	...	·5	·2	1·3†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·2	6·2	14
25	...	...	...	...	...	...	·1	·4	...	...	...	...	...	·2	·9	·2	...	...	...	...	·1	...	·6†	·2	2·7	1·9	30
26	·5†	...	...	...	...	·5	·1	·2	...	...	...	...	·6	...	·2	·6	·2	...	·1	...	...	...	...	...	3·0	1·5	39
27	...	...	·5	...	1·0†	...	...	1·7	·1	·4	·5	1·2	1·1	...	...	...	...	...	...	...	...	...	...	...	6·5	3·4	12
28	...	...	...	...	·1	·2	...	...	...	·2	...	·8†	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·1	6
29	...	...	·2	...	...	...	...	...	...	...	...	...	·7	2·9	4·8	1·7	1·3	...	...	...	...	...	...	·9†	12·5	4·4	54
30	1·2†	·2	·9	2·4	5·3	4·6	2·3	·2	·1	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	17·4	7·0	30
31	1·2	·8	1·0	·7	...	...	·1	·2	...	...	...	·6	...	1·5†	·1	·1	...	...	...	·2	...	...	...	...	6·5	3·8	37
Sum	6·3	6·0	5·0	6·7	89·7	10·8	5·1	5·8	5·0	5·5	4·6	6·6	4·6	4·8	6·8	3·1	1·9	0·9	2·6	1·5	1·4	1·2	4·1	3·2	113·2	69·4	
Total Duration	hr 4·0	hr 3·2	hr 4·0	hr 4·4	hr 4·2	hr 4·1	hr 3·3	hr 3·6	hr 4·0	hr 4·2	hr 3·7	hr 4·8	hr 3·7	hr 1·7	hr 2·1	hr 1·8	hr 1·1	hr 0·5	hr 1·2	hr 0·6	hr 1·9	hr 1·8	hr 3·4	hr 2·1	hr 69·4		
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	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

401. VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12·8 metres — JANUARY, 1935

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	--	--	--	--	--	0·1	1
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
4	--	--	--	--	--	...	·4	·9	·8	·6	·7	...	...	--	--	--	--	--	3·4	43
5	--	--	--	--	--	...	...	...	...	·3	...	...	...	--	--	--	--	--	0·3	4
6	--	--	--	--	--	...	·9	1·0	1·0	·9	·6	·8	·1	--	--	--	--	--	5·3	67
7	--	--	--	--	--	...	·1	·1	...	...	...	...	...	--	--	--	--	--	0·2	3
8	--	--	--	--	--	...	·1	·5	...	...	·1	...	...	--	--	--	--	--	0·7	9
9	--	--	--	--	--	...	·2	...	...	·1	...	...	...	--	--	--	--	--	0·3	4
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
11	--	--	--	--	--	...	...	·1	·3	·5	·6	·2	...	--	--	--	--	--	1·7	21
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
14	--	--	--	--	...	...	·1	·2	·1	·1	...	...	...	...	--	--	--	--	0·5	6
15	--	--	--	--	...	...	·9	1·0	1·0	·9	·2	...	...	...	--	--	--	--	4·0	49
16	--	--	--	--	...	...	...	...	...	...	·1	·1	...	...	--	--	--	--	0·2	2
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
18	--	--	--	--	...	...	1·0	1·0	1·0	·7	·4	·3	·1	...	--	--	--	--	4·5	54
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
20	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
21	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
23	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
24	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1
25	--	--	--	--	...	...	...	·5	·4	·4	·1	...	...	...	--	--	--	--	1·4	16
26	--	--	--	--	...	...	·8	·2	...	·7	...	·1	·4	...	--	--	--	--	2·2	25
27	--	--	--	--	...	·4	1·0	1·0	·6	·3	·6	·1	·3	...	--	--	--	--	4·3	49
28	--	--	--	--	...	...	...	...	·4	·4	...	...	...	...	--	--	--	--	0·8	9
29	--	--	--	--	...	·4	·8	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	7·2	81
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
31	--	--	--	--	...	...	·1	...	...	...	·1	·1	...	...	--	--	--	--	0·3	3
Sum	--	--	--	--	...	0·8	6·5	7·5	6·6	6·9	4·5	2·7	2·0	...	--	--	--	--	37·5	
Mean	--	--	--	--	...	·03	·21	·24	·21	·22	·15	·09	·06	...	--	--	--	--	1·21	15

402. VALENTIA OBSERVATORY: H_s = 12·8 metres — FEBRUARY, 1935

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
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
2	--	--	--	--	...	...	...	...	...	...	·1	·1	...	...	--	--	--	--	0·2	2
3	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
4	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
5	--	--	--	--	...	·4	·5	...	...	...	...	...	...	...	--	--	--	--	0·9	10
6	--	--	--	--	...	·6	·2	·8	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	6·7	72
7	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	--	--	--	6·5	69
8	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	--	--	--	--	7·9	84
9	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	--	--	--	--	7·2	76
10	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
12	--	--	--	--	...	·2	·6	·2	·9	1·0	·6	·5	...	...	--	--	--	--	4·0	41
13	--	--	--	--	...	...	...	...	...	...	...	·4	·7	...	--	--	--	--	1·1	11
14	--	--	--	--	...	·4	1·0	1·0	1·0	1·0	·3	...	...	...	--	--	--	--	4·7	48
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
16	--	--	--	--	...	...	...	...	...	·2	·5	·5	·4	...	--	--	--	--	1·6	16
17	--	--	--	--	...	·2	...	·2	·7	·1	...	·5	·1	...	--	--	--	--	1·8	18
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
19	--	--	--	...	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1
20	--	--	--	...	...	·7	·1	...	...	·1	·1	·2	·4	...	...	--	--	--	1·6	16
21	--	--	--	...	...	·2	·4	·6	1·0	·7	·4	...	...	...	...	--	--	--	3·3	32
22	--	--	--	...	·1	·5	·5	·7	·2	·1	1·0	·2	·1	...	...	--	--	--	3·4	33
23	--	--	--	...	...	...	...	...	...	...	·3	·5	...	·3	...	--	--	--	1·1	11
24	--	--	--	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	--	0·1	1
25	--	--	--	...	...	...	...	...	...	·4	·8	1·0	1·0	·5	...	--	--	--	3·7	35
26	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
27	--	--	--	...	·3	·3	·2	·6	1·0	·9	·7	·2	·1	...	...	--	--	--	4·3	40
28	--	--	--	...	...	·3	·7	·2	1·0	·7	·6	1·0	·7	...	...	--	--	--	5·2	49
Sum	--	--	--	...	0·4	6·0	7·3	7·3	9·8	9·2	9·5	8·8	6·0	1·1	...	--	--	--	65·4	
Mean	--	--	--	...	·01	·21	·26	·26	·35	·33	·34	·31	·21	·04	...	--	--	--	2·34	24
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

403. VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12·8 metres. MARCH, 1935

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	...	·4	·5	·1	·6	·1	...	...	--	--	--	1·9	18
2	--	--	--	...	·3	·7	1·0	1·0	·2	·3	1·0	·7	·5	·1	...	--	--	--	5·8	53
3	--	--	--	...	·2	·6	·6	·7	·7	1·0	1·0	1·0	·6	·4	...	--	--	--	6·8	62
4	--	--	--	...	...	·5	·9	·9	·9	·8	·4	1·0	·9	·2	...	--	--	--	6·5	59
5	--	--	--	...	·3	·1	1·0	1·0	·7	·1	·4	·2	...	...	...	--	--	--	3·8	34
6	--	--	--	...	·1	·9	·1	...	·1	...	·3	·2	...	...	...	--	--	--	1·7	15
7	--	--	--	...	·5	1·0	·3	·6	1·0	1·0	·9	·2	1·0	·7	...	--	--	--	7·2	64
8	--	--	--	...	...	...	...	·7	1·0	1·0	·9	·8	·2	...	...	--	--	--	4·6	41
9	--	--	--	..	·2	·5	·2	·7	·7	·9	1·0	1·0	1·0	1·0	...	--	--	--	7·2	64
10	--	--	--	...	...	...	...	·5	·8	·4	·2	...	...	·1	...	--	--	--	2·0	18
11	--	--	--	...	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	9·2	80
12	--	--	--	...	...	...	...	...	...	·3	1·0	·5	·1	·2	...	--	--	--	2·1	18
13	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
14	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	...	--	--	--	8·5	73
15	--	--	--	...	...	...	...	·1	...	...	...	...	...	...	...	--	--	--	0·1	1
16	--	--	--	...	·1	...	...	...	...	...	...	...	...	...	...	--	--	--	0·1	1
17	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	·3	·2	...	...	...	--	--	--	6·3	53
18	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
19	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
20	--	--	--	...	·5	1·0	·9	1·0	·6	·9	1·0	·4	·1	...	...	--	--	--	6·4	53
21	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
22	--	--	...	...	...	...	·4	·6	1·0	·8	·2	·3	·1	·2	...	...	--	--	3·6	30
23	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
24	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
25	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
26	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
27	--	--	...	·1	...	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	7·9	63
28	--	--	...	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	7·9	63
29	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
30	--	--	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	0·1	1
31	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
Sum	--	--	...	0·1	3·7	8·2	8·8	12·8	13·1	13·0	12·7	11·2	8·5	6·1	1·5	...	--	--	99·7	
Mean	--	--	...	·00	·12	·26	·28	·41	·42	·42	·41	·36	·27	·20	·05	...	--	--	3·22	27

404. VALENTIA OBSERVATORY: H_s = 12·8 metres APRIL, 1935

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	·4	·4	·6	·9	·1	·6	·9	·4	...	--	--	4·6	36
2	--	--	...	·3	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	·6	·8	·5	...	--	--	9·9	77
3	--	--	...	·1	...	·5	·1	1·0	·6	·5	·2	·5	·5	·4	...	...	--	--	4·4	34
4	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
5	--	--	...	...	...	·1	·1	·4	·1	·9	1·0	1·0	·1	·1	...	...	--	--	3·8	29
6	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
7	--	--	...	...	·1	·2	...	...	...	...	...	·3	·8	1·0	·9	...	--	--	3·3	25
8	--	--	...	·1	·7	·5	...	...	...	...	...	...	...	...	...	...	--	--	1·3	10
9	--	--	...	·1	·9	·3	·9	·8	...	...	...	...	...	...	...	...	--	--	3·0	22
10	--	--	...	...	·3	·4	·7	·8	·5	·8	·8	·1	...	...	...	...	--	--	4·2	31
11	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	11·6	86
12	--	--	...	...	...	...	·5	...	·2	...	·2	·1	·1	...	...	...	--	--	1·1	8
13	--	--	...	·3	·6	·7	·8	·5	·4	·8	·7	·7	·8	·7	·3	...	--	--	7·3	53
14	--	--	...	...	·2	·7	·2	·3	·3	·9	·9	1·0	·7	·7	·4	...	--	--	6·3	46
15	--	--	...	...	...	·3	·4	·4	·5	...	·6	·5	·1	·2	·2	...	--	--	3·2	23
16	--	--	...	·2	·1	·8	·1	·3	·5	...	·1	·2	·1	·2	·1	...	--	--	2·7	19
17	--	--	...	·1	·5	·5	·1	·1	·2	·4	·8	·9	·9	·4	·3	...	--	--	5·2	37
18	--	--	...	...	...	...	...	·4	·8	·8	·7	...	...	...	...	...	--	--	2·7	19
19	--	--	...	·3	·9	·9	·6	...	·5	·1	·2	...	...	...	...	...	--	--	3·5	25
20	--	...	·4	1·0	·8	·8	·4	·6	·9	·9	·8	·7	1·0	·4	·8	·6	...	--	10·1	72
21	--	...	...	·2	...	·4	·8	·7	·7	·3	·9	1·0	·6	·7	·8	...	...	--	7·1	50
22	--	...	...	...	...	·1	...	·3	·7	·2	·6	...	·3	...	...	...	...	--	2·2	15
23	--	...	...	...	...	...	·8	·2	...	...	...	·6	1·0	1·0	1·0	·4	...	--	5·0	35
24	--	...	·3	·4	1·0	1·0	1·0	1·0	·5	·2	1·0	1·0	1·0	1·0	·9	·6	...	--	10·9	76
25	--	...	·1	1·0	1·0	·2	·8	1·0	1·0	1·0	·6	·1	·1	...	...	...	...	--	6·9	48
26	--	...	·3	1·0	1·0	1·0	1·0	1·0	·8	·5	1·0	·7	·3	1·0	1·0	·5	...	--	11·1	77
27	--	...	·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	·7	...	--	13·5	93
28	--	...	·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	·7	...	--	13·4	92
29	--	...	...	...	·9	1·0	1·0	·7	1·0	·3	·5	...	...	...	...	...	...	--	5·4	37
30	--	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	--	0·1	1
Sum	--	...	2·6	7·8	13·2	14·1	14·4	14·9	14·6	13·2	16·3	13·5	12·6	12·5	10·6	3·5	...	--	163·8	
Mean	--	...	·09	·26	·44	·47	·48	·50	·49	·44	·54	·45	·42	·42	·35	·12	...	--	5·46	40
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

405. VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12·8 metres — MAY, 1935

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	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
4	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
5	--	...	·3	1·0	1·0	·7	·4	·1	·5	·2	·3	...	·9	1·0	1·0	·9	...	--	8·3	55
6	--	...	·9	1·0	1·0	1·0	·4	·5	·5	1·0	1·0	·7	·9	·4	·8	·8	...	--	10·9	72
7	--	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	·1	...	--	0·5	3
8	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	·9	·2	...	--	13·0	86
9	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	·5	·7	·1	·2	...	--	9·7	64
10	--	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·3	...	--	13·2	86
11	--	·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	·8	...	--	13·9	91
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	1·0	·9	...	--	14·3	93
13	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	...	...	...	...	...	...	...	--	6·5	42
14	--	...	...	·1	·5	...	·5	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	--	9·9	64
15	--	·1	·8	1·0	·8	·5	·9	...	...	·3	...	·2	·7	·7	·7	·4	...	--	7·1	46
16	--	...	...	...	·3	·6	·6	1·0	1·0	1·0	1·0	·9	1·0	·6	...	·1	...	--	8·1	52
17	--	...	...	...	·3	·8	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	·8	·9	...	--	10·6	68
18	--	...	...	·5	·7	·1	·2	·1	·4	·4	·4	·4	·6	·3	...	...	...	--	4·1	26
19	--	...	·1	·3	·1	...	·4	·6	·3	...	·6	·3	·4	1·0	·3	·1	...	--	4·5	29
20	--	...	·2	...	·5	·2	...	...	...	...	...	...	...	...	...	...	...	--	0·9	6
21	--		·7	1·0	1·0	1·0	1·0	·3	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	--	13·0	82
22	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·1	·5	·3	...	--	11·9	75
23	--	·4	1·0	1·0	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·7	1·0	·2	--	13·8	87
24	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·9	·8	·4	...	...	...	...	--	10·0	63
25	--	·3	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·9	·2	...	--	12·2	76
26	--	·1	·7	1·0	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	1·0	·8	1·0	·5	...	--	12·7	79
27	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	1·0	1·0	·8	...	...	13·7	85
28	...	...	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	88
29	...	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	·7	·5	·7	·5	·8	...	...	...	8·7	54
30	...	...	...	...	...	·6	·2	...	·1	...	...	...	...	...	...	...	...	...	0·9	6
31	...	...	...	...	...	·6	·2	·5	·7	·7	·9	1·0	1·0	1·0	1·0	1·0	·5	...	9·1	56
Sum	...	2·5	13·9	17·9	19·6	19·9	19·8	18·6	19·0	19·3	19·6	17·7	19·6	17·6	16·7	12·5	1·5	...	255·7	
Mean	...	·08	·45	·58	·63	·64	·64	·60	·61	·62	·63	·57	·63	·57	·54	·40	·05	...	8·25	53

406. VALENTIA OBSERVATORY: H_s = 12·8 metres — JUNE, 1935

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	·6	·1	·3	·3	·1	·7	·7	...	...	...	...	...	...	...	...	...	3·1	19
2	...	...	·8	·7	·9	1·0	1·0	1·0	1·0	·7	·2	·3	·1	·1	·1	·5	...	...	8·4	51
3	...	...	...	...	·1	...	...	·5	·1	...	...	·1	·3	·9	...	·2	...	...	2·2	13
4	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	1
5	...	·1	...	...	...	·4	·9	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	10·0	61
6	...	...	...	...	...	...	·1	·4	·1	·8	·9	·8	·5	·5	·6	·2	...	...	4·9	30
7	...	...	...	·3	·8	·3	·8	·6	·9	·7	·6	·6	·9	·6	·3	·9	·1	...	8·4	51
8	...	...	·7	·9	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	·4	·5	·7	·8	·1	...	11·8	72
9	...	·1	·1	·7	·7	·4	·9	·6	·9	·4	·6	·5	·3	...	...	...	...	...	6·2	37
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	·1	·6	·3	·1	·7	·9	·4	·2	·1	·3	...	...	3·7	22
12	...	...	·2	·9	·2	·4	1·0	·7	·9	1·0	·6	·4	·2	·4	·3	...	...	...	7·2	43
13	...	...	·2	1·0	1·0	1·0	1·0	·2	...	...	...	...	...	...	...	...	...	...	4·4	27
14	...	...	·8	·9	·5	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	·7	·8	·5	·7	...	12·7	76
15	...	...	...	·2	·7	·2	·3	1·0	1·0	·9	1·0	1·0	1·0	1·0	·5	·5	·1	...	9·4	57
16	...	...	...	...	·4	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	1·0	·2	...	10·7	64
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	·1	1·0	1·0	·3	...	...	...	...	...	2·4	14
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	·4	·5	·2	...	·2	·1	...	...	...	...	...	...	1·5	9
21	...	...	...	...	...	·2	·5	1·0	·5	1·0	·9	1·0	1·0	1·0	·3	·1	...	...	7·5	45
22	...	...	...	...	...	...	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	·8	...	...	6·3	38
23	...	·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	·8	...	15·6	94
24	...	...	·3	·7	·8	·5	·1	...	...	...	...	...	...	...	...	...	...	...	2·4	14
25	...	...	...	...	...	...	...	·1	...	·9	1·0	·5	·3	·5	·7	·2	...	...	4·2	25
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	·6	·3	...	·3	...	...	...	...	...	...	...	...	...	...	1·2	7
28	...	...	...	...	...	...	...	·4	·3	·7	·1	·1	·3	·1	·1	...	...	...	2·1	13
29	...	...	...	·1	·4	·4	·5	1·0	1·0	·9	·9	·2	...	...	...	...	...	...	5·4	32
30	...	...	·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	·6	...	14·5	87
Sum	...	1·3	5·6	8·5	10·3	9·8	12·5	15·5	13·8	14·7	15·8	14·5	12·0	11·3	9·3	8·8	2·6	...	166·3	
Mean	...	·04	·19	·28	·34	·33	·42	·52	·46	·49	·53	·48	·40	·38	·31	·29	·09	...	5·54	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 period 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, 1935

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	·3	·8	1·0	1·0	·8	·2	...	...	...	...	...	...	...	...	4·4	27
2	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·1	1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	·1	·1	·1	·4	1·0	1·0	1·0	·4	·1	...	...	4·2	25
7	...	·5	1·0	1·0	·9	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	13·7	83
8	...	...	·1	·6	1·0	1·0	1·0	1·0	·6	·9	1·0	1·0	1·0	·1	...	·3	...	...	9·6	58
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	·6	·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	·8	...	14·3	87
11	...	·7	1·0	1·0	1·0	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	15·1	92
12	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	1·0	·7	...	...	14·2	87
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	·8	·3	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	11·8	73
15	...	·2	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·3	·1	...	...	11·9	73
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	·3	·3	1·0	1·0	1·0	1·0	·9	·2	...	...	·5	·3	...	...	6·5	40
18	--	...	...	·2	·1	...	·5	·1	...	·1	·7	·3	·2	·2	...	...	...	--	2·4	15
19	--	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	--	0·3	2
20	--	...	·6	·1	·1	·2	·7	·3	1·0	1·0	1·0	1·0	1·0	·6	1·0	·8	·4	--	9·8	61
21	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
22	--	...	...	...	...	...	...	...	·4	1·0	·9	1·0	·7	·9	·5	...	...	--	5·4	34
23	--	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	--	0·1	1
24	--	...	·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	·3	--	13·9	88
25	--	·4	·6	·9	·9	1·0	1·0	1·0	1·0	1·0	·1	1·0	1·0	·8	·2	·3	...	--	11·2	71
26	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
27	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
28	--	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	--	0·5	3
29	--	...	·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	·8	·4	--	14·0	90
30	--	·4	1·0	1·0	1·0	1·0	·7	·7	...	·2	...	...	·6	·4	·8	1·0	·3	--	9·1	59
31	--	...	·6	·8	1·0	1·0	1·0	·9	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·2	--	13·4	86
Sum	...	3·0	8·7	11·4	11·9	12·5	15·1	14·2	13·9	14·4	14·0	14·5	14·4	12·7	11·9	10·0	3·3	...	185·9	
Mean	...	·10	·28	·37	·38	·40	·49	·46	·45	·46	·45	·47	·46	·41	·38	·32	·11	...	6·00	37

408. VALENTIA OBSERVATORY: H_s = 12·8 metres — AUGUST, 1935

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	1·0	1·0	·7	·8	·5	·9	·9	·8	1·0	1·0	·7	...	--	10·3	67
2	--	...	...	...	...	...	...	...	·6	·3	...	...	·1	·8	·8	·1	·2	--	2·9	19
3	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·1	·1	...	--	11·8	77
4	--	...	...	...	...	...	...	·1	·3	·8	...	·6	...	...	...	...	...	--	1·8	12
5	--	...	...	...	...	...	·5	·1	...	...	...	·1	·1	·1	...	...	...	--	0·9	6
6	--	...	·8	·7	...	...	...	·4	·9	·1	...	...	...	·7	·9	·5	...	--	5·0	33
7	--	...	...	·1	...	...	·1	...	...	...	·1	·9	·9	·6	·7	...	...	--	3·4	22
8	--	...	...	...	...	...	...	...	...	·1	1·0	1·0	1·0	·8	1·0	...	...	--	4·9	33
9	--	...	...	·1	·7	1·0	1·0	·7	1·0	1·0	1·0	·8	·3	·7	·5	·1	...	--	8·9	59
10	--	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	--	0·2	1
11	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
12	--	...	...	...	...	·4	1·0	·8	·7	·3	·5	1·0	·3	·6	·6	·7	...	--	6·9	47
13	--	...	...	...	·7	·1	·3	...	·3	·7	·9	·2	·3	·5	·2	·1	...	--	4·3	29
14	--	...	...	...	...	·1	·3	·7	·3	·9	1·0	1·0	·9	·2	·4	·5	...	--	6·3	43
15	--	...	...	...	·3	·7	·2	·1	·2	...	...	...	...	...	...	...	...	--	1·5	10
16	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
17	--	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	--	0·1	1
18	--	...	...	...	...	·2	·1	·1	...	·1	·7	·1	...	...	...	...	...	--	1·3	9
19	--	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	--	0·3	2
20	--	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	--	0·1	1
21	--	...	·3	·9	·7	1·0	1·0	·9	·7	·8	·9	1·0	1·0	·9	1·0	·2	...	--	11·3	79
22	--	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	--	0·3	2
23	--	...	...	·3	·5	·8	...	...	...	·1	·4	...	·1	...	...	...	...	--	2·2	16
24	--	--	...	...	...	·7	...	·1	·2	...	·2	·3	·3	·8	·6	·3	--	--	3·5	25
25	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	11·4	81
26	--	--	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	--	--	0·2	1
27	--	--	...	·8	·7	·8	·6	·6	·9	·8	·8	·6	·7	·7	·3	...	--	--	8·3	60
28	--	--	...	·2	·2	·4	1·0	1·0	·7	·7	·6	·7	·9	·3	...	·3	--	--	7·0	51
29	--	--	·1	·4	·5	·7	·6	·6	·6	·9	·7	·8	...	·4	·8	·1	--	--	7·2	52
30	--	--	...	...	...	·2	·8	·8	·8	1·0	1·0	1·0	1·0	1·0	1·0	·4	--	--	9·0	66
31	--	--	...	...	·1	·6	·2	·1	·2	·5	·1	...	·6	1·0	·8	·2	--	--	4·4	32
Sum	--	0·1	2·5	5·7	7·4	10·9	10·7	9·9	11·2	11·6	13·1	13·2	11·3	12·7	10·9	4·3	0·2	--	135·7	
Mean	--	·00	·06	·18	·24	·35	·35	·32	·36	·37	·42	·43	·36	·41	·35	·14	·01	--	4·38	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

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, 1935

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	·7	...	...	...	...	--	--	0·9	7
2	--	--	...	·3	·9	·6	·6	·9	·1	·4	...	·3	·5	·9	·4	...	--	--	5·9	44
3	--	--	...	·1	·6	·1	·5	·6	·4	...	·1	·4	·2	...	...	...	--	--	3·0	22
4	--	--	...	·2	·5	·7	·6	·1	·6	·9	...	...	...	...	...	...	--	--	3·6	27
5	--	--	...	...	...	...	...	...	...	...	...	...	·2	·3	·6	·2	--	--	1·3	10
6	--	--	...	...	·6	·1	·2	...	·2	...	·1	·1	...	...	...	...	--	--	1·3	10
7	--	--	...	...	...	·5	·7	1·0	1·0	1·0	1·0	·7	·8	·2	·2	...	--	--	7·1	54
8	--	--	...	...	...	...	...	...	...	...	...	...	·4	...	·2	...	--	--	0·6	5
9	--	--	...	...	...	·1	1·0	·6	·9	·5	·3	·7	·3	...	...	...	--	--	4·4	34
10	--	--	...	...	·2	·3	...	...	...	...	...	...	...	...	...	...	--	--	0·5	4
11	--	--	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	--	--	0·2	2
12	--	--	...	·5	·2	...	...	...	...	·6	·5	·2	...	...	...	...	--	--	2·0	16
13	--	--	...	...	·2	...	...	·5	1·0	1·0	·9	·7	1·0	·9	...	...	--	--	6·2	48
14	--	--	...	...	...	·1	·1	·6	·6	·7	·8	·9	1·0	·5	...	...	--	--	5·3	42
15	--	--	...	...	...	·2	...	·2	·4	1·0	·9	·7	·8	·3	·2	...	--	--	4·7	37
16	--	--	...	...	...	...	...	...	...	...	...	...	·5	...	...	...	--	--	0·5	4
17	--	--	...	...	·3	·4	·6	·8	·8	·7	·7	·4	·4	·7	·1	...	--	--	5·9	47
18	--	--	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	--	--	0·1	1
19	--	--	...	...	...	·3	·7	·6	·5	·6	·7	·2	·3	...	...	...	--	--	3·9	31
20	--	--	...	...	·2	·8	·9	·9	·2	·7	1·0	·9	1·0	·8	...	...	--	--	7·4	60
21	--	--	...	...	...	...	...	...	...	...	...	·4	...	...	·1	...	--	--	0·5	4
22	--	--	...	...	...	...	·1	·4	·9	·2	·6	·3	·5	·7	·2	...	--	--	3·9	32
23	--	--	--	·1	·9	1·0	·8	·5	...	...	...	...	...	...	...	...	--	--	3·3	27
24	--	--	--	...	...	...	...	...	·1	·1	·2	·5	·4	...	...	--	--	--	1·3	11
25	--	--	--	...	·2	·6	1·0	·8	1·0	1·0	1·0	·9	1·0	·6	·2	--	--	--	8·3	69
26	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
27	--	--	--	...	...	...	·1	...	...	...	...	...	...	...	...	--	--	--	0·1	1
28	--	--	--	...	...	...	...	·2	·5	·9	·9	1·0	1·0	1·0	·2	--	--	--	5·7	48
29	--	--	--	...	...	...	...	...	...	...	...	·3	·4	·3	...	--	--	--	1·0	9
30	--	--	--	...	·3	·5	·5	·3	·2	·7	·9	·7	1·0	·6	...	--	--	--	5·7	49
Sum	--	--	...	1·3	5·1	6·3	8·4	9·2	9·4	11·0	10·8	11·0	11·7	7·8	2·4	0·2	--	--	94·6	
Mean	--	--	...	·04	·17	·21	·28	·31	·31	·37	·36	·37	·39	·26	·08	·01	--	--	3·15	25

410. VALENTIA OBSERVATORY: H_s = 12·8 metres OCTOBER, 1935

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
	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%
1	--	--	--	...	...	·5	·3	·4	·8	·7	1·0	·7	·9	...	...	--	--	--	5·3	46
2	--	--	--	...	·1	·1	...	·2	·1	...	·3	·2	·4	...	...	--	--	--	1·4	12
3	--	--	--	...	·3	...	·9	1·0	1·0	1·0	·6	·1	...	...	...	--	--	--	4·9	43
4	--	--	--	...	...	...	...	...	...	·3	·1	...	...	...	...	--	--	--	0·4	4
5	--	--	--	...	·1	1·0	1·0	1·0	·7	·8	·6	·6	·8	...	...	--	--	--	6·6	58
6	--	--	--	...	·2	·9	·3	·6	·1	...	·6	·5	·1	...	...	--	--	--	3·3	29
7	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
8	--	--	--	...	·2	·5	·7	·9	·7	·9	·6	·3	·7	...	...	--	--	--	5·5	49
9	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
10	--	--	--	...	·4	·8	·8	·9	·5	·8	·6	·2	·2	·3	...	--	--	--	5·5	50
11	--	--	--	...	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	·6	·8	...	--	--	--	8·6	79
12	--	--	--	...	·1	...	...	...	...	...	...	...	...	...	...	--	--	--	0·1	1
13	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
14	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
15	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
16	--	--	--	...	...	·1	·2	1·0	·8	1·0	1·0	1·0	1·0	·8	...	--	--	--	6·9	65
17	--	--	--	...	...	...	...	...	·1	·4	...	...	...	...	...	--	--	--	0·5	5
18	--	--	--	...	...	...	...	...	...	...	·3	·1	...	...	...	--	--	--	0·4	4
19	--	--	--	...	...	·2	·5	·6	·7	·8	·6	·5	·3	...	...	--	--	--	4·2	40
20	--	--	--	...	·1	·2	·4	·8	·6	·8	·7	·6	·5	·1	...	--	--	--	4·8	46
21	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
22	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
23	--	--	--	...	...	·1	·4	1·0	·9	·7	·1	·1	...	·2	...	--	--	--	3·5	34
24	--	--	--	...	·1	1·0	·9	·2	·8	·9	·5	·2	...	...	...	--	--	--	4·6	45
25	--	--	--	--	...	...	·9	·5	·8	...	...	...	...	...	--	--	--	--	2·2	22
26	--	--	--	--	...	...	...	...	...	...	·5	...	...	...	--	--	--	--	0·5	5
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
29	--	--	--	--	...	...	·1	·7	·4	·8	·5	·7	·2	...	--	--	--	--	3·4	35
30	--	--	--	--	...	...	...	...	...	·2	...	...	...	...	--	--	--	--	0·2	2
31	--	--	--	--	...	·2	·7	·3	·6	·4	·6	·3	·7	...	--	--	--	--	3·8	39
Sum	--	--	--	...	1·9	6·5	9·1	11·1	10·6	11·5	10·2	7·1	6·4	2·2	...	--	--	--	76·6	
Mean	--	--	--	...	·06	·21	·29	·36	·34	·37	·33	·23	·21	·07	...	--	--	--	2·47	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

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, 1935

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	...	·4	·6	·3	·1	...	...	...	--	--	--	--	1·6	17
2	--	--	--	--	...	...	·3	·7	·6	·6	·5	·1	·1	...	--	--	--	--	2·9	30
3	--	--	--	--	...	...	...	...	·1	·1	·1	...	...	...	--	--	--	--	0·3	3
4	--	--	--	--	...	...	...	...	...	...	·1	·5	·1	...	--	--	--	--	0·7	7
5	--	--	--	--	...	·1	·7	·4	·8	·8	·8	·9	...	...	--	--	--	--	4·5	48
6	--	--	--	--	...	·1	·4	·6	·6	...	...	...	...	...	--	--	--	--	1·7	18
7	--	--	--	--	...	·1	·1	...	·8	·9	·2	...	...	...	--	--	--	--	2·1	23
8	--	--	--	--	...	·7	1·0	·2	·6	·5	·5	...	...	...	--	--	--	--	3·5	38
9	--	--	--	--	...	...	...	·1	...	·1	·2	·5	·6	...	--	--	--	--	1·5	16
10	--	--	--	--	...	...	...	...	·3	1·0	·5	·8	...	...	--	--	--	--	2·6	29
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
12	--	--	--	--	...	...	...	·6	·8	·5	...	·1	...	...	--	--	--	--	2·0	22
13	--	--	--	--	...	...	·3	·4	·6	·6	·2	·1	·2	...	--	--	--	--	2·4	27
14	--	--	--	--	...	·2	·6	·5	·5	·6	·7	·5	·4	...	--	--	--	--	4·0	45
15	--	--	--	--	...	...	·6	·9	·1	·1	...	·2	...	...	--	--	--	--	1·9	22
16	--	--	--	--	...	...	...	·3	·4	·4	·5	·8	...	...	--	--	--	--	2·4	27
17	--	--	--	--	...	...	...	...	...	·1	·2	·3	...	...	--	--	--	--	0·6	7
18	--	--	--	--	...	·1	...	·7	1·0	1·0	·2	...	·1	...	--	--	--	--	3·1	36
19	--	--	--	--	...	...	...	...	...	·8	·4	...	...	...	--	--	--	--	1·2	14
20	--	--	--	--	...	·2	1·0	1·0	1·0	·9	...	...	·2	...	--	--	--	--	4·3	50
21	--	--	--	--	...	...	·5	·1	·7	·4	...	·2	·3	...	--	--	--	--	2·2	26
22	--	--	--	--	...	...	·6	...	...	...	·4	...	...	...	--	--	--	--	1·0	12
23	--	--	--	--	...	...	·2	1·0	1·0	1·0	1·0	1·0	·4	...	--	--	--	--	5·6	67
24	--	--	--	--	...	...	·5	...	...	·1	1·0	1·0	·3	...	--	--	--	--	2·9	35
25	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1
26	--	--	--	--	...	...	·1	·2	...	...	·2	·2	...	...	--	--	--	--	0·7	8
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
28	--	--	--	--	...	...	·7	·5	·7	...	...	...	...	...	--	--	--	--	1·9	23
29	--	--	--	--	...	...	...	·2	·7	·3	·6	·2	...	...	--	--	--	--	7·0	25
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
Sum	--	--	--	--	...	1·7	7·7	8·8	11·9	11·1	8·4	7·4	2·7	...	--	--	--	--	59·7	
Mean	--	--	--	--	...	·06	·26	·29	·40	·37	·28	·25	·09	...	--	--	--	--	1·99	23

412. VALENTIA OBSERVATORY: H_s = 12.8 metres — DECEMBER, 1935

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	·2	·6	·7	·2	...	·1	--	--	--	--	--	1·9	24
2	--	--	--	--	--	...	...	·6	·6	·8	·8	·5	...	--	--	--	--	--	3·3	41
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
4	--	--	--	--	--	...	·2	·4	·6	·1	·1	...	...	--	--	--	--	--	1·4	18
5	--	--	--	--	--	...	·7	·4	·5	...	...	...	...	--	--	--	--	--	1·6	20
6	--	--	--	--	--	...	·3	·1	·3	·7	1·0	·5	...	--	--	--	--	--	2·9	37
7	--	--	--	--	--	...	...	...	...	...	·1	·4	...	--	--	--	--	--	0·5	6
8	--	--	--	--	--	...	...	...	·4	1·0	·3	...	...	--	--	--	--	--	1·7	22
9	--	--	--	--	--	...	...	...	·9	·7	·4	·6	·5	--	--	--	--	--	3·1	40
10	--	--	--	--	--	...	·8	1·0	1·0	·9	·2	...	·1	--	--	--	--	--	4·0	51
11	--	--	--	--	--	...	·8	1·0	·4	·1	...	...	...	--	--	--	--	--	2·3	30
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
15	--	--	--	--	--	...	·1	·1	...	...	·5	...	...	--	--	--	--	--	0·7	9
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
17	--	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	·2	--	--	--	--	--	5·9	77
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	...	·6	·8	·7	...	...	...	--	--	--	--	--	2·1	27
21	--	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	·4	--	--	--	--	--	6·2	81
22	--	--	--	--	--	...	·7	·9	·1	...	...	...	...	--	--	--	--	--	1·7	22
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
24	--	--	--	--	--	...	·3	·9	1·0	·4	·6	·2	...	--	--	--	--	--	3·4	44
25	--	--	--	--	--	...	·4	·4	·8	...	...	...	...	--	--	--	--	--	1·6	21
26	--	--	--	--	--	...	...	...	·1	·5	...	·1	...	--	--	--	--	--	0·7	9
27	--	--	--	--	--	...	...	...	...	·1	·1	·3	·3	--	--	--	--	--	0·8	10
28	--	--	--	--	--	...	...	...	·1	·3	...	...	...	--	--	--	--	--	0·4	5
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
30	--	--	--	--	--	...	...	·1	...	·1	1·0	·2	...	--	--	--	--	--	1·4	18
31	--	--	--	--	--	...	...	·2	·5	·4	...	...	...	--	--	--	--	--	1·1	14
Sum	--	--	--	--	--	...	5·9	8·9	10·7	9·5	7·3	4·8	1·6	--	--	--	--	--	48·7	
Mean	--	--	--	--	--	..	·19	·29	·35	·31	·24	·15	·05	--	--	--	--	--	1·57	20
Annual Totals	...	6·9	33·3	52·7	73·5	96·7	126·2	138·7	144·6	145·4	142·2	126·4	108·8	84·0	63·3	39·3	7·6	...	1389·6	
Annual Mean	...	·02	·09	·14	·20	·26	·35	·38	·40	·40	·39	·35	·30	·23	·17	·11	·02	...	3·81	31
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

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	230	7·2	235	7·8	230	7·1	235	7·7	245	8·4	250	9·1	250	8·5	255	9·4	260	10·2	250	8·7	250	8·1	255	8·0
2	250	4·3	230	3·9	230	3·8	235	2·9	240	2·7	265	4·4	270	2·2	---	...	270	1·6	255	1·0	210	1·9	210	2·6
3	170	4·0	185	3·1	220	3·2	215	2·8	265	3·6	265	2·1	235	2·5	200	2·9	195	3·1	195	3·1	190	2·9	220	2·2
4	345	4·6	345	4·1	350	4·5	350	4·5	355	4·7	355	5·6	345	5·2	345	7·2	350	7·6	355	6·7	5	6·0	355	6·3
5	345	6·6	350	6·4	355	5·8	355	4·5	360	3·5	360	3·2	355	2·5	---	...	---	...	200	2·2	310	4·8	290	5·0
6	350	10·1	350	11·4	355	11·1	360	11·0	5	10·1	5	8·9	30	6·5	40	4·8	60	5·9	50	8·6	55	8·0	50	5·3
7	70	1·4	---	...	---	...	50	1·3	50	2·0	---	...	---	...	45	2·1	50	2·6	45	2·5	30	1·0	50	1·2
8	50	1·5	55	1·6	45	1·0	45	1·9	40	1·5	40	2·3	150	4·3	140	7·4	140	8·6	140	9·1	140	7·5	160	7·4
9	55	1·3	50	1·3	---	...	50	1·4	55	2·0	55	1·7	60	1·8	55	1·6	55	1·9	60	1·3	60	1·4	---	...
10	205	6·0	205	6·2	210	6·6	200	6·5	210	6·7	205	7·0	205	7·1	200	6·5	195	6·9	200	7·4	210	8·0	215	8·3
11	205	11·0	220	13·5	215	14·0	215	15·0	220	16·9	215	16·3	215	18·0	220	15·6	250	13·3	270	11·8	270	12·3	275	13·5
12	300	13·2	305	11·5	315	12·4	320	12·1	320	13·0	320	11·4	320	9·9	320	9·0	315	9·0	310	7·3	320	8·4	310	6·1
13	295	10·3	300	10·4	310	9·7	310	9·2	315	10·0	320	9·4	315	9·6	315	9·7	310	9·5	310	10·0	320	11·6	325	10·7
14	325	7·2	320	7·8	320	8·5	330	8·0	330	6·1	330	5·1	330	6·9	330	7·1	325	4·5	320	6·7	320	3·2	325	5·6
15	---	...	---	...	130	3·2	110	3·3	135	4·1	110	3·5	125	3·5	140	3·2	140	3·4	145	4·2	150	4·6	165	6·3
16	150	6·5	165	5·1	175	4·1	175	3·5	170	2·9	145	4·0	140	4·6	155	2·5	150	1·6	45	1·3	50	1·5	145	3·1
17	115	3·0	130	3·0	90	3·1	80	3·2	80	3·6	75	3·5	75	3·0	100	4·0	95	3·5	80	2·7	95	3·5	95	3·8
18	100	2·7	75	2·7	80	3·0	85	3·7	95	3·2	120	4·0	70	3·0	60	2·5	80	3·0	85	3·3	80	2·6	55	1·6
19	90	3·3	75	3·2	70	2·8	60	3·0	60	2·6	75	2·5	90	2·6	110	4·5	110	3·5	100	3·0	75	3·5	75	3·7
20	95	2·0	95	2·1	80	2·1	90	2·0	65	2·5	60	3·5	65	5·7	70	5·9	75	5·9	65	5·2	70	6·5	50	5·3
21	50	2·9	60	2·2	60	2·6	60	2·8	60	3·0	65	3·0	35	4·7	70	3·2	40	3·7	40	5·3	40	6·0	40	5·4
22	40	2·1	50	2·9	50	2·5	55	2·0	---	...	60	1·0	60	1·6	---	...	---	...	---	...	50	1·3	---	...
23	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	50	1·4	---	...	---	...
24	280	4·4	275	4·8	295	4·8	280	3·7	270	5·5	270	7·0	265	7·1	270	7·3	270	7·3	270	7·6	270	8·0	265	8·3
25	265	12·6	265	12·1	280	10·7	280	12·0	295	10·9	290	11·6	295	12·8	295	13·0	295	13·3	295	13·7	290	14·7	295	14·5
26	345	15·2	345	14·1	340	12·6	350	13·7	355	12·3	355	11·5	360	12·6	360	12·2	5	10·8	10	11·9	10	12·5	10	10·5
27	10	7·8	10	8·2	10	9·0	10	9·0	10	7·8	10	8·9	15	8·4	20	5·5	30	4·3	50	4·0	35	5·5	45	5·5
28	60	1·1	55	1·8	50	2·0	60	1·2	60	1·4	55	1·3	60	1·5	60	1·8	65	1·6	55	2·2	140	2·0	150	1·7
29	50	2·1	60	1·2	---	...	---	...	---	...	35	2·0	35	3·0	70	4·5	70	4·3	80	2·8	---	...	205	1·2
30	160	2·0	160	2·7	180	3·2	175	3·8	180	3·1	180	3·2	180	3·0	180	1·4	60	1·0	---	...	260	2·9	265	4·6
31	340	7·2	360	4·5	335	6·3	350	4·9	345	6·1	350	5·0	360	4·5	345	4·8	350	5·3	340	4·7	320	5·1	310	5·0
Mean	---	5·3	---	5·2	---	5·2	---	5·2	---	5·2	---	5·3	---	5·4	---	5·2	---	5·1	---	5·2	---	5·4	---	5·3

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	260	7·0	260	7·2	265	8·5	265	8·8	250	8·7	255	8·4	260	10·0	255	9·1	255	8·4	255	9·5	245	9·0	245	9·5
2	250	11·8	255	11·2	250	12·7	255	11·1	255	9·9	255	10·4	255	9·4	260	9·3	260	8·4	270	6·6	310	6·5	305	6·7
3	255	10·5	260	11·1	260	11·1	255	10·4	255	10·4	255	11·1	255	10·2	250	10·7	250	10·4	255	11·9	255	11·3	250	11·5
4	255	11·4	250	11·3	255	11·2	255	11·0	260	11·2	260	11·5	260	9·2	310	2·6	340	2·8	340	3·1	335	1·0	---	...
5	320	4·9	320	3·4	320	4·9	310	5·2	305	5·3	305	5·2	300	5·7	300	4·6	290	4·9	280	5·5	270	7·0	260	8·5
6	5	10·0	360	10·7	355	10·8	360	11·8	360	12·0	5	10·2	10	11·2	5	10·0	5	10·6	5	10·1	30	5·4	25	8·2
7	60	2·7	55	1·8	135	1·2	65	1·5	50	2·8	50	2·7	40	2·5	55	3·0	---	...	40	1·3	85	2·4	85	3·9
8	55	1·6	60	1·1	50	2·4	55	1·9	55	1·5	45	3·2	50	2·2	55	2·3	50	3·0	55	1·5	---	...	---	...
9	60	2·1	60	1·8	60	2·4	65	1·2	70	1·0	60	1·3	60	1·3	60	1·2	65	1·8	65	1·8	60	1·7	55	1·4
10	145	5·1	150	4·0	145	5·1	150	4·0	150	4·8	150	5·0	155	6·3	170	6·2	160	4·8	185	5·2	185	6·2	190	7·3
11	195	6·9	200	7·1	195	6·9	195	6·9	200	8·0	190	8·5	200	9·0	195	9·8	185	10·5	185	10·9	185	11·5	185	11·5
12	235	8·6	245	7·8	255	6·4	250	5·8	240	6·1	245	5·8	240	5·2	250	3·7	215	3·2	225	3·3	215	4·8	215	6·0
13	235	6·0	225	5·9	220	5·6	180	5·6	250	7·4	250	10·5	250	10·8	250	10·4	250	8·7	240	8·4	240	8·9	240	8·5
14	255	6·0	275	5·3	285	4·7	290	5·9	280	5·7	285	5·1	290	7·4	290	5·9	290	6·2	285	5·5	275	5·9	270	6·0
15	185	7·1	195	8·5	180	8·7	170	11·4	180	10·6	230	11·1	225	11·0	230	11·2	230	11·0	225	11·2	225	12·6	225	12·4
16	225	14·5	225	14·0	225	13·3	225	14·2	220	14·7	215	15·0	215	15·0	210	15·8	210	16·6	215	15·9	235	12·4	230	14·7
17	280	7·1	270	8·4	270	9·0	270	8·1	255	7·5	260	6·6	250	7·1	240	7·2	235	7·2	230	7·2	240	8·5	235	9·5
18	205	11·0	195	11·2	200	10·6	195	11·6	195	11·4	210	9·9	210	10·2	210	10·8	210	10·9	205	11·4	205	12·9	210	13·4
19	200	13·8	205	12·9	205	12·9	200	12·0	220	9·8	215	4·5	320	4·3	320	2·5	340	1·9	340	4·0	350	4·0	345	1·6
20	190	15·1	190	14·7	195	14·0	195	13·1	210	13·4	210	8·2	220	9·7	210	8·7	220	10·0	225	10·0	220	10·5	220	10·1
21	270	9·7	270	10·3	240	8·7	260	11·2	255	12·2	255	14·3	245	13·0	270	11·3	260	11·2	260	9·7	255	8·6	250	10·4
22	10	7·7	360	9·1	355	7·6	340	9·5	340	9·6	325	8·2	320	8·5	315	7·8	290	3·6	285	5·3	275	6·0	265	5·4
23	350	1·2	55	1·1	---	...	50	3·4	50	2·9	50	1·3	50	2·0	60	1·4	---	...	---	...	45	1·1	50	1·4
24	195	4·3	185	4·6	180	4·1	210	5·1	185	4·4	160	5·2	165	5·0	130	6·6	125	6·7	130	6·6	130	6·4	130	8·4
25	55	5·7	10	4·3	10	7·2	15	10·4	15	13·7	20	15·2	25	16·1	20	15·4	25	13·9	20	12·5	20	11·2	15	13·9
26	75	1·8	320	1·2	125	2·4	140	3·7	140	7·0	145	6·7	150	9·5	150	10·0	155	10·7	155	11·2	165	11·3	165	13·5
27	170	5·6	185	4·6	195	4·8	180	5·7	185	5·6	190	6·6	195	8·1	195	6·2	180	6·7	190	8·0	205	10·8	255	9·5
28	275	11·6	285	8·0	265	8·9	280	7·3	270	8·0	275	8·8	285	7·1	280	7·9	290	8·1	270	6·6	---	...	310	6·5
Mean	---	7·5	---	7·2	---	7·4	---	7·8	---	8·1	---	7·9	---	8·1	---	7·6	---	7·3	---	7·3	---	7·1	---	7·9
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	

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, 1935

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	
250	7·7	255	7·7	250	6·9	250	6·8	245	4·7	190	3·9	205	3·8	225	4·5	250	5·0	255	5·3	260	4·9	260	6·1	7·0	1
210	2·7	225	2·8	225	2·8	215	2·4	250	1·2	---	...	---	...	175	3·0	170	4·0	170	4·2	175	4·4	175	3·7	2·7	2
230	5·5	235	5·6	(275)	5·9	(275)	7·5	(270)	7·8	270	6·9	285	3·6	290	6·1	335	6·7	350	5·4	355	5·4	345	5·2	4·5	3
350	7·0	355	7·1	350	6·6	360	6·5	355	6·9	345	6·7	345	6·0	345	6·3	345	7·2	345	6·7	345	5·7	350	6·0	6·1	4
300	5·7	300	5·9	310	5·5	345	9·8	345	10·7	350	11·9	350	12·2	350	10·1	355	10·1	345	10·8	340	10·0	345	9·0	6·5	5
50	6·7	40	5·8	35	6·0	35	5·5	50	4·5	70	3·1	50	2·4	35	2·0	---	...	---	...	---	...	---	...	5·8	6
---	...	---	...	---	...	---	...	---	...	---	...	50	1·5	70	1·2	60	1·0	60	2·0	55	2·1	50	2·0	1·2	7
150	8·8	150	8·7	150	9·3	130	6·2	45	3·3	40	1·6	---	...	---	...	---	...	---	...	---	...	---	...	4·0	8
---	...	180	1·5	170	3·0	175	4·0	230	3·8	190	3·5	195	4·3	200	3·7	200	5·0	190	5·0	185	5·4	190	4·9	2·6	9
210	8·8	210	9·0	210	8·8	210	8·9	205	8·6	210	8·5	205	9·4	210	9·7	210	9·7	210	9·4	210	10·5	215	11·3	8·2	10
270	13·7	290	12·6	290	11·4	285	12·8	290	11·7	300	12·6	300	11·0	300	11·4	295	11·7	295	11·5	295	12·4	300	13·4	13·2	11
320	4·4	335	2·3	320	3·8	305	4·4	315	6·4	300	9·6	290	8·3	285	8·6	280	9·1	280	8·7	280	8·1	290	9·5	8·6	12
330	12·1	335	11·1	330	9·3	335	9·1	330	9·9	330	10·1	330	10·9	330	10·0	325	10·4	335	10·4	335	8·7	325	8·5	10·0	13
335	5·4	350	5·1	350	6·5	350	5·5	345	5·0	350	4·6	355	3·6	355	1·9	---	...	---	...	---	...	---	...	4·8	14
180	6·8	180	6·1	175	5·7	165	4·7	165	4·2	160	4·2	170	4·5	160	4·1	145	5·9	145	5·6	160	8·2	175	5·0	4·3	15
165	3·0	180	1·5	175	2·3	165	2·8	160	3·2	115	2·5	90	3·0	115	2·3	130	1·4	110	1·3	90	3·1	95	3·7	2·9	16
110	3·4	115	3·3	120	2·5	120	2·9	100	3·7	105	5·0	110	2·9	105	3·4	110	3·3	110	3·2	105	3·9	100	3·6	3·4	17
90	3·1	75	1·8	70	2·0	70	2·7	80	3·0	80	2·9	80	3·0	90	3·2	85	3·1	85	4·1	90	3·7	---	...	2·9	18
65	2·9	75	3·5	75	2·6	65	2·3	95	2·5	90	2·7	75	1·5	90	2·1	60	1·4	90	2·5	110	3·1	100	2·3	2·8	19
55	5·1	60	5·1	55	3·5	65	3·4	60	2·3	80	2·3	80	2·3	80	1·8	40	3·1	50	3·8	60	2·0	60	2·1	3·6	20
45	4·8	40	4·8	50	4·5	45	4·7	55	5·6	60	4·6	80	3·7	130	2·2	120	1·5	---	...	145	1·0	50	1·5	3·5	21
---	...	---	...	40	1·3	---	...	65	1·0	60	1·1	---	...	55	1·4	50	1·8	50	1·5	70	1·5	---	...	1·2	22
---	...	(320)	2·4	295	2·1	310	2·6	325	1·1	300	2·8	320	3·5	300	3·1	290	2·6	275	3·3	275	3·6	285	3·7	1·6	23
260	9·2	265	8·6	270	9·0	265	8·3	250	8·4	255	10·2	255	10·6	260	11·1	260	12·7	260	12·6	270	11·9	265	11·8	8·3	24
295	16·4	295	17·2	320	17·3	325	17·6	325	18·0	325	16·7	330	18·1	325	17·0	330	17·3	330	16·7	330	15·1	345	14·5	14·7	25
10	10·3	10	10·6	10	11·8	10	10·8	10	10·6	10	10·7	10	11·1	10	10·8	10	9·5	10	10·8	10	9·9	10	8·8	11·5	26
25	5·6	40	5·8	45	5·0	25	4·1	30	4·1	40	3·5	60	1·9	320	1·3	70	1·9	---	...	70	1·0	---	...	5·0	27
170	3·0	165	4·5	170	4·8	160	5·4	155	5·0	155	5·4	155	5·2	155	5·4	150	3·5	150	2·0	45	1·0	50	1·2	2·7	28
210	2·3	275	3·0	295	2·9	330	2·9	(330)	2·6	---	...	---	...	70	1·4	60	1·9	150	1·0	155	1·1	60	2·0	1·9	29
275	3·7	270	3·3	280	3·0	320	3·4	335	2·5	330	3·9	330	5·0	345	8·6	345	6·9	340	6·5	345	7·0	350	7·7	3·9	30
300	5·6	295	5·6	295	4·5	280	6·2	310	4·5	310	4·7	310	4·0	300	4·9	270	5·2	280	3·7	275	5·0	275	5·6	5·1	31
---	5·7	---	5·6	---	5·5	---	5·7	---	5·4	---	5·4	---	5·1	---	5·3	---	5·3	---	5·2	---	5·1	---	5·0	5·3	

FEBRUARY, 1935

°	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	9·8	245	9·2	250	9·1	245	10·0	250	9·0	255	9·2	260	9·7	255	10·0	255	9·8	255	10·2	255	10·5	255	9·0	9·1	1
300	6·7	305	5·6	300	4·5	285	4·4	300	4·5	305	4·3	300	4·7	305	3·7	270	2·4	270	1·3	180	2·4	170	5·4	6·8	2
260	12·8	260	13·3	260	13·4	260	12·3	255	11·0	260	11·9	260	12·5	260	11·5	260	11·4	255	10·5	255	11·2	255	11·1	11·4	3
270	1·0	360	3·0	350	4·0	360	4·5	360	3·5	355	4·2	345	6·1	355	5·6	355	2·9	330	4·0	330	5·1	340	4·7	5·6	4
265	9·3	255	10·6	260	11·6	260	13·5	265	13·1	290	11·0	320	10·8	325	12·1	345	10·2	355	9·4	5	9·5	355	10·2	8·2	5
55	8·3	20	5·9	15	7·1	25	5·4	30	5·3	35	7·3	35	9·2	30	5·1	125	3·5	110	3·2	---	...	40	2·8	7·7	6
120	2·9	170	2·3	205	2·8	265	2·5	355	2·6	---	...	---	...	---	...	60	1·8	60	1·3	50	2·0	50	2·2	2·0	7
---	...	280	1·8	310	2·5	320	3·0	290	2·3	250	1·0	75	1·4	55	1·4	65	2·0	60	1·8	65	1·3	55	2·3	1·8	8
190	2·0	(215)	2·7	(210)	2·5	(200)	2·6	(180)	2·5	160	3·5	155	3·8	50	1·8	55	2·4	40	1·6	135	2·5	140	5·0	2·2	9
195	8·0	195	7·6	195	8·1	200	7·7	200	7·6	200	7·5	205	6·9	210	7·3	210	7·4	200	6·2	200	6·9	195	6·5	6·3	10
185	11·1	190	10·9	195	11·9	200	12·3	195	12·5	195	12·6	205	13·1	205	12·8	205	12·4	215	11·4	225	9·8	225	10·5	10·4	11
215	6·5	215	7·2	205	8·6	200	9·9	195	9·5	200	9·5	200	10·0	205	11·5	205	10·6	205	9·0	210	7·9	240	6·9	7·2	12
240	8·4	245	9·9	240	8·4	245	9·6	250	9·4	265	8·6	265	7·7	255	8·8	255	7·2	260	7·5	265	6·2	260	5·9	8·1	13
270	6·2	260	6·4	260	6·7	255	6·2	250	7·3	260	6·1	240	4·4	230	4·7	185	4·1	180	4·3	170	4·9	165	5·1	5·7	14
225	12·5	225	13·1	225	12·2	225	12·5	225	12·4	220	12·0	225	11·7	225	12·6	225	13·6	225	13·6	225	13·5	225	13·5	11·7	15
235	14·3	245	15·7	245	17·6	275	16·5	290	12·5	305	10·6	320	10·5	305	9·6	310	9·1	295	9·1	295	8·0	290	7·2	13·2	16
235	10·1	230	10·0	235	9·8	230	9·4	225	9·4	220	8·2	215	8·1	215	8·3	215	8·8	210	8·9	205	9·5	200	8·9	8·5	17
210	13·5	210	13·4	210	14·4	210	14·0	210	13·7	210	13·5	210	13·8	215	13·6	215	14·6	210	14·4	210	14·5	210	13·0	12·6	18
75	1·4	170	3·2	180	5·5	185	7·2	180	8·0	190	9·1	195	9·2	200	10·0	190	10·9	185	12·5	185	14·0	185	14·1	7·9	19
225	10·0	210	9·7	215	9·9	250	9·5	230	8·4	265	8·4	205	4·1	225	5·7	245	7·6	265	7·6	260	9·2	260	11·4	10·0	20
260	11·3	265	8·1	255	8·2	225	4·2	175	3·0	50	2·5	170	3·1	85	3·1	75	4·0	50	5·5	60	7·2	35	5·9	8·2	21
240	6·2	300	3·9	240	2·4	300	1·5	65	3·1	40	1·7	45	1·5	20	2·8	10	2·8	20	1·5	315	4·1	25	1·7	5·1	22
230	2·7	220	4·7	215	6·5	220	6·0	235	5·7	215	4·6	210	4·8	260	6·3	265	8·6	270	9·1	285	4·6	200	4·1	3·5	23
110	7·6	95	10·5	90	9·7	95	6·0	230	1·5	50	1·7	225	5·3	270	11·0	275	9·8	290	7·1	295	6·9	30	5·9	6·3	24
15	11·7	15	10·5	15	10·6	10	10·3	360	7·9	5	8·0	30	6·2	20	4·9	25	5·0	35	4·4	60	2·1	70	2·3	9·3	25
170	14·6	165	15·1	170	15·4	170	16·5	165	16·3	170	16·6	170	16·9	170	16·8	235	7·7	160	5·0	160	6·6	160	7·2	10·2	26
260	9·0	255	9·4	255	10·0	260	8·3	240	10·6	240	10·8	245	10·2	245	9·2	265	11·0	270	10·8	275	9·5	275	9·3	8·3	27
300	6·9	280	9·6	270	4·0	285	7·0	285	7·1	265	6·2	260	8·0	275	6·1	300	6·3	290	6·5	295	5·3	280	7·3	7·1	28
---	8·0	---	8·3	---	8·5	---	8·3	---	7·8	---	7·5	---	7·7	---	7·7	---	7·4	---	7·1	---	7·0	---	7·1	7·7	
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

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	270	7·9	270	9·0	230	6·5	225	5·0	205	5·2	185	5·3	190	6·2	175	9·0	155	10·6	155	10·9	165	9·4	190	8·5
2	300	9·7	300	7·6	300	6·9	295	7·1	300	7·3	300	6·0	295	5·4	285	3·4	225	2·9	275	2·7	260	4·0	255	4·2
3	185	6·4	260	5·3	300	7·7	310	8·6	310	7·7	305	6·6	305	8·5	315	7·2	330	6·4	300	8·1	310	5·5	300	6·6
4	190	2·3	60	1·6	60	2·2	55	2·0	55	2·8	60	2·5	60	1·2	60	1·9	170	4·5	175	5·7	185	6·2	220	8·6
5	250	4·5	260	1·5	245	2·3	240	2·0	240	1·9	200	1·9	---	...	65	1·3	50	1·9	185	1·7	210	2·7	220	5·1
6	220	5·0	225	5·5	215	3·6	215	3·6	205	3·4	185	3·5	185	4·0	175	3·8	175	3·6	200	4·2	210	5·0	190	5·3
7	145	8·0	140	6·4	145	7·6	140	7·5	115	6·6	90	6·1	90	7·0	90	5·7	120	6·2	150	8·6	145	10·6	145	9·7
8	140	8·2	130	8·1	135	8·1	150	12·0	140	9·0	130	5·2	130	6·2	140	7·2	135	8·1	135	10·1	135	10·6	135	11·0
9	100	8·2	95	6·7	95	5·6	105	9·5	105	8·3	100	10·5	105	8·8	100	7·7	100	9·0	100	10·0	95	10.0	105	9·1
10	65	4·3	55	4·8	50	6·3	55	6·7	65	6·6	55	5·8	50	5·5	50	4·0	45	5·4	55	5·1	60	5·6	50	6·4
11	55	6·5	45	5·6	50	5·1	50	5·0	70	3·7	75	4·1	65	8·3	65	9·0	70	7·0	65	5·0	50	3·5	45	5·0
12	90	4·6	90	3·7	95	4·7	90	3·9	100	4·9	105	4·2	90	3·7	95	4·9	95	5·6	100	5·0	105	6·5	115	6·2
13	125	7·0	135	6·4	145	5·9	135	6·2	130	6·7	125	7·1	115	7·3	115	7·6	125	6·1	130	5·1	140	7·0	140	7·5
14	105	5·7	115	4·5	95	4·8	100	5·7	105	7·0	105	6·5	115	5·2	105	5·3	95	6·2	100	6·1	115	6·7	125	6·6
15	100	8·0	105	8·1	100	9·4	95	8·9	95	7·5	95	7·4	100	8·6	120	9·9	120	8·4	135	10·2	135	10·6	140	10·0
16	100	9·1	90	8·1	100	6·8	110	5·5	90	5·7	90	5·4	95	5·3	95	5·8	95	5·1	100	4·5	130	3·1	145	3·8
17	300	9·3	300	9·6	305	8·8	305	7·5	305	7·6	300	8·0	300	7·2	300	6·9	310	4·6	300	4·9	295	4·9	275	4·5
18	160	8·2	160	7·9	165	7·1	170	8·1	175	8·5	170	7·8	170	9·2	170	9·3	170	9·0	170	9·9	170	9·4	170	9·9
19	170	11·0	165	10·7	160	11·8	170	11·6	155	11·7	155	11·8	150	12·8	150	12·9	150	11·8	145	10·8	145	12·4	150	13·5
20	170	3·4	175	4·2	175	3·9	174	3·4	170	3·5	160	3·9	165	3·9	160	2·7	155	4·9	165	5·0	180	5·2	180	6·6
21	185	5·0	180	5·4	180	6·4	180	6·2	185	5·4	180	6·2	170	8·0	170	6·6	175	7·7	180	8·0	185	7·7	185	7·7
22	205	7·3	205	7·2	205	7·8	205	8·6	205	8·4	205	9·4	205	7·9	200	8·5	240	8·8	235	7·8	240	8·0	255	10·2
23	255	9·0	250	9·0	245	8·1	230	8·3	230	10·2	230	12·3	235	13·0	235	12·1	235	12·1	235	12·8	230	12·9	230	12·2
24	265	8·4	260	6·6	215	4·5	220	4·6	225	4·4	205	3·2	220	3·7	220	5·1	230	6·9	230	7·7	230	8·5	230	8·0
25	205	7·2	215	7·6	215	6·8	205	6·2	210	6·5	205	6·2	205	6·2	200	6·6	210	7·3	210	6·7	205	6·8	205	6·6
26	210	6·2	210	5·2	225	3·4	220	3·7	215	4·1	210	3·5	220	2·8	195	2·9	180	3·7	185	3·4	185	2·9	185	3·2
27	---	...	100	1·7	105	1·1	---	...	---	...	65	1·0	---	...	---	...	---	...	---	...	---	...	275	1·4
28	---	...	50	1·5	35	1·5	---	...	70	2·7	70	2·4	100	1·3	180	1·0	---	...	---	...	325	3·6	325	1·7
29	45	1·2	50	2·3	40	1·5	40	2·5	50	2·4	50	1·9	35	1·7	40	1·5	45	1·0	---	...	65	1·6	60	1·3
30	---	...	195	1·1	225	2·3	210	2·5	185	2·4	195	1·8	185	3·0	205	2·3	205	3·2	205	3·4	225	2·9	195	3·1
31	200	3·4	210	4·0	195	3·3	210	3·2	230	3·2	230	3·4	245	3·7	255	3·8	260	4·5	260	3·4	265	4·3	265	6·0
Mean	---	6·0	---	5·7	---	5·5	---	5·7	---	5·7	---	5·5	---	5·7	---	5·7	---	5·9	---	6·1	---	6·4	---	6·8

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	330	4·0	360	2·5	355	1·6	350	3·6	355	4·4	360	3·7	20	4·2	20	5·3	15	4·5	360	7·0	350	7·3	350	8·3
2	10	10·0	15	6·8	10	5·1	5	4·4	10	3·6	40	3·1	40	3·0	30	3·5	25	5·0	10	5·5	20	6·4	20	6·3
3	60	4·3	40	1·8	70	1·3	---	...	75	1·4	75	3·1	---	...	---	...	45	1·1	30	1·7	30	3·2	20	3·3
4	310	4·2	320	4·9	320	5·6	330	6·6	340	8·4	335	7·9	330	7·8	330	7·8	340	7·5	320	9·0	320	8·5	320	9·3
5	345	6·7	340	6·8	335	6·4	320	6·5	320	6·7	315	6·2	305	5·2	300	5·1	290	5·3	270	4·9	275	6·3	290	7·0
6	---	...	---	...	55	1·4	50	1·3	60	1·8	40	2·0	50	2·2	155	3·4	130	3·4	135	5·4	135	7·5	140	7·8
7	250	9·9	250	8·5	255	8·5	255	6·8	260	5·8	250	4·5	215	4·3	195	4·2	270	2·8	210	2·9	210	2·6	220	2·5
8	180	5·0	235	6·2	215	4·2	225	4·9	240	5·8	230	6·6	245	8·0	260	7·9	265	6·7	260	4·7	260	4·5	225	4·1
9	225	12·3	215	11·7	210	11·9	210	10·7	225	11·4	225	10·6	215	8·6	220	10·0	220	10·3	210	11·0	215	11·4	205	10·6
10	230	14·7	220	14·0	225	13·5	215	13·6	210	13·2	210	11·7	210	12·9	225	12·7	225	13·0	225	14·3	220	14·3	220	15·2
11	295	7·0	295	6·6	295	6·1	295	6·1	290	5·8	290	5·5	285	5·4	295	4·5	285	4·7	295	4·1	280	4·0	270	3·6
12	75	5·2	80	4·0	85	4·0	80	3·4	70	2·7	95	3·5	90	1·9	65	2·7	40	3·2	65	3·8	110	3·1	130	3·8
13	---	...	155	1·8	160	5·0	165	5·8	165	6·1	180	4·8	180	4·8	190	4·4	215	6·5	205	7·5	210	8·1	210	8·0
14	200	5·5	190	6·6	175	6·5	205	6·9	225	8·0	245	10·3	255	12·3	270	11·1	290	10·0	285	11·4	300	9·2	305	8·1
15	280	5·2	270	5·8	280	4·6	250	1·5	260	3·7	170	2·2	170	3·3	165	2·2	175	3·5	210	4·2	225	4·4	230	4·7
16	270	4·7	260	6·8	240	5·5	240	7·5	230	9·2	200	6·3	235	7·1	235	7·6	240	7·9	230	9·7	230	6·8	240	8·7
17	300	8·8	295	9·4	315	9·4	325	10·8	320	8·6	330	9·3	310	6·1	305	9·6	315	10·0	320	10·5	325	11·0	325	11·1
18	290	5·5	270	5·8	260	5·8	180	3·4	160	4·7	160	6·0	245	5·8	240	5·8	240	5·4	260	6·4	260	6·7	260	6·3
19	275	5·1	270	4·6	290	1·2	260	2·3	270	2·4	180	2·4	180	1·0	145	1·0	160	2·5	150	2·8	150	3·0	150	3·4
20	---	...	---	...	---	...	---	...	95	1·7	100	2·5	50	1·4	45	1·2	50	1·4	290	1·6	270	1·7	260	3·5
21	60	1·2	60	2·2	335	1·2	---	...	300	1·1	40	2·1	50	2·5	340	3·6	330	4·1	340	5·2	360	4·0	345	6·2
22	340	8·4	340	8·8	340	7·8	340	7·0	340	8·1	345	7·6	340	9·4	345	9·0	350	9·6	345	9·2	345	10·3	350	12·2
23	10	8·1	10	8·8	10	7·6	360	6·5	355	6·3	5	7·3	5	5·5	360	5·7	10	4·2	15	6·3	20	7·8	20	7·9
24	65	2·9	60	2·5	30	3·4	40	2·6	60	2·5	30	2·7	45	1·8	30	2·9	30	5·0	25	6·0	15	6·2	20	5·4
25	110	1·0	55	1·6	---	...	70	1·1	---	...	---	...	---	...	360	1·8	60	4·8	50	6·2	45	5·1	60	5·6
26	---	...	55	1·6	70	1·0	60	1·3	70	3·8	65	2·2	15	1·0	---	...	35	2·0	65	3·0	130	2·9	295	1·6
27	50	2·1	---	...	---	...	40	1·8	65	2·2	---	...	---	...	---	...	45	1·2	355	4·1	345	3·0	30	2·5
28	---	...	55	1·1	---	...	50	1·2	---	...	45	1·3	45	1·0	---	...	---	...	270	1·0	270	2·6	270	2·9
29	---	...	50	1·5	---	...	---	...	55	1·8	55	1·0	---	...	---	...	190	2.0	180	2·4	210	1·8	270	3·0
30	185	3·0	180	3·5	180	4·5	170	4·8	165	5·0	175	4·9	190	5·5	190	5·5	185	5·4	180	5·7	170	6·4	170	7·1
Mean	---	4·9	---	4·9	---	4·5	---	4·5	---	4·9	---	4·7	---	4·5	---	4·7	---	5·1	---	5·9	---	6·0	---	6·3
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, 1935

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	
265	8·7	270	10·5	270	11·3	295	12·4	300	15·0	320	14·0	330	14·2	330	13·4	325	12·2	315	10·0	315	9·1	310	8·8	9·7	1
215	4·9	230	4·7	225	6·1	220	5·2	215	4·7	185	3·7	160	4·4	160	5·0	155	5·4	165	4·7	175	6·6	205	6·7	5·4	2
305	6·9	300	7·3	315	8·4	305	6·2	295	6·3	265	4·5	265	4·9	280	7·1	270	5·9	270	5·3	290	3·3	325	3·1	6·4	3
225	9·0	230	9·0	230	8·5	230	8·2	230	8·0	215	7·0	205	6·4	220	6·5	225	6·9	225	7·2	265	5·5	265	4·8	5·4	4
230	6·0	220	5·3	225	6·4	255	5·4	230	5·1	225	5·4	215	5·2	175	5·6	170	5·7	210	5·0	190	4·3	220	5·5	3·8	5
180	5·6	180	6·2	180	6·3	180	6·2	180	5·2	165	5·1	155	4·9	150	6·3	150	6·5	140	5·6	140	4·5	140	5·9	4·9	6
140	9·1	150	10·4	160	10·0	155	4·2	360	4·2	50	2·9	50	4·1	150	3·9	150	6·5	145	6·6	140	7·3	145	9·3	7·0	7
135	10·8	140	9·3	135	8·1	140	9·2	140	9·1	140	9·6	135	7·4	125	6·7	110	6·5	100	6·1	95	6·7	90	8·0	8·4	8
95	9·9	120	9·7	105	8·6	105	9·2	105	6·1	105	5·4	100	6·1	80	6·6	80	5·1	70	3·0	90	3·5	90	3·8	7·5	9
45	8·2	50	6·0	55	4·8	45	6·5	50	5·6	55	5·1	70	3·3	50	1·9	25	4·3	25	7·5	30	8·6	50	7·0	5·6	10
55	4·6	50	3·3	45	4·2	55	4·0	55	3·9	85	3·3	90	4·3	90	5·0	110	6·1	115	4·7	75	3·4	70	4·6	5·0	11
130	5·3	125	6·0	110	6·7	110	7·2	120	5·8	130	6·1	125	5·9	140	5·4	130	5·9	130	5·6	130	6·2	135	7·1	5·5	12
140	6·6	150	6·3	155	7·6	140	6·8	160	5·7	160	6·2	150	7·2	110	5·1	105	5·9	90	6·7	90	5·0	100	5·0	6·4	13
125	5·6	125	6·4	150	6·7	145	6·7	125	5·9	105	5·8	110	6·3	115	6·8	115	7·9	105	8·1	120	6·4	90	8·5	6·3	14
135	11·2	130	10·9	135	10·4	140	9·9	135	11·7	130	9·1	125	7·8	125	8·5	120	9·6	115	9·6	105	10·0	110	9·5	9·4	15
165	4·5	170	4·5	180	4·7	225	6·0	290	9·8	305	8·1	315	8·9	315	8·7	300	8·5	305	9·9	300	10·0	295	9·8	6·7	16
270	4·8	270	5·0	270	4·3	220	4·2	220	4·2	190	4·5	180	4·5	170	5·3	160	9·1	155	9·3	145	6·3	155	7·6	6·4	17
175	10·0	175	10·6	170	11·2	165	11·5	155	12·2	155	12·3	160	12·3	155	11·4	155	11·6	165	10·8	175	10·0	175	11·0	10·0	18
150	12·3	165	11·7	175	11·2	175	10·8	175	9·7	175	8·5	180	7·7	190	8·0	195	7·6	215	5·0	190	3·4	160	4·5	10·1	19
185	6·1	185	6·4	185	7·5	180	7·7	180	7·0	180	6·3	180	5·5	185	4·6	175	5·0	170	5·0	155	6·4	160	5·9	5·2	20
185	7·9	190	7·9	195	7·4	200	6·7	205	6·5	210	5·9	210	6·4	210	7·2	210	7·5	205	7·7	200	5·8	205	7·1	6·8	21
260	11·7	255	12·1	260	11·5	260	10·3	265	9·2	265	8·9	270	9·5	270	10·7	270	10·3	260	9·9	260	10·2	260	10·2	9·3	22
245	11·5	250	11·6	255	11·7	250	10·3	260	10·0	260	9·7	250	8·8	250	8·5	250	8·0	260	9·4	255	9·3	255	8·4	10·4	23
235	8·2	235	7·7	230	7·6	220	7·1	210	6·1	200	6·6	185	5·6	185	5·4	185	7·0	195	7·1	215	8·0	210	7·4	6·5	24
210	6·8	210	6·5	230	6·0	225	6·1	220	5·8	210	5·7	205	5·0	210	4·8	195	5·0	200	4·8	205	5·5	205	5·5	6·2	25
210	3·3	210	3·6	180	3·1	185	4·0	180	3·4	180	3·2	175	3·5	175	3·4	175	3·0	190	1·7	160	2·3	185	1·5	3·4	26
295	2·5	335	3·3	335	2·9	305	2·4	325	3·2	245	2·2	195	2·2	---	...	---	...	---	...	---	...	---	...	1·3	27
330	3·7	310	3·9	305	3·8	315	3·0	275	3·5	265	2·7	165	3·0	155	2·6	---	...	325	1·4	10	2·2	30	1·8	2·1	28
25	1·0	240	1·2	275	2·4	280	3·0	280	3·4	270	2·0	275	1·5	285	1·0	315	1·0	275	1·4	---	...	---	...	1·6	29
185	3·7	205	4·3	225	4·4	225	4·5	225	4·3	220	3·9	200	3·5	195	3·1	185	3·5	190	3·2	190	3·0	200	3·7	3·1	30
270	4·8	275	5·3	275	3·3	270	3·1	275	3·2	270	3·3	270	3·0	270	3·0	275	2·7	280	1·6	320	2·7	340	3·0	3·5	31
---	6·9	---	7·0	---	7·0	---	6·7	---	6·6	---	6·0	---	5·9	---	5·9	---	6·2	---	5·9	---	5·7	---	6·0	6·1	

APRIL, 1935

°	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	
345	9·0	350	9·3	350	9·9	350	9·4	350	9·8	360	9·7	10	9·4	10	8·0	10	9·0	5	8·5	5	8·6	5	10·0	7·0	1
20	5·0	20	5·2	10	5·5	15	7·0	20	5·8	10	5·7	20	5·4	15	6·3	10	7·3	10	6·9	5	6·2	10	4·5	5·6	2
320	3·9	320	4·6	310	4·3	325	5·4	330	6·2	335	6·6	340	5·3	340	4·0	335	3·3	350	3·0	355	2·1	320	3·4	3·1	3
320	10·2	320	9·9	320	10·0	320	9·9	330	10·1	355	8·6	355	8·3	360	7·6	360	7·4	360	7·1	360	7·0	360	6·9	7·9	4
300	6·9	320	11·0	350	9·7	345	8·8	325	8·1	330	7·8	355	5·9	350	5·1	345	3·9	330	3·0	25	1·0	---	...	6·0	5
160	8·3	135	8·9	115	9·9	130	10·9	135	7·8	230	7·9	250	11·1	260	11·6	255	12·1	260	11·7	260	11·6	260	10·6	6·7	6
270	2·1	270	2·3	280	2·8	310	4·4	270	4·0	270	4·4	290	4·3	270	4·2	260	5·0	230	3·8	195	3·8	180	3·9	4·5	7
180	4·8	170	6·2	155	7·0	145	7·2	130	7·9	110	7·8	110	11·3	140	11·2	175	9·0	230	8·5	225	9·5	220	11·6	7·1	8
205	10·2	200	10·7	185	8·5	185	8·2	170	6·9	175	9·2	180	10·2	185	11·3	190	12·2	190	14·6	190	13·3	210	15·2	10·9	9
220	15·4	220	15·5	220	16·4	225	15·9	225	15·0	225	14·9	235	11·4	240	8·1	255	7·5	290	7·9	305	7·2	305	6·2	12·7	10
275	4·0	270	4·1	270	3·7	270	3·3	300	2·9	330	2·8	325	3·2	---	...	85	2·2	90	5·2	85	4·4	80	3·8	4·3	11
165	3·5	150	3·6	165	4·2	165	4·9	155	5·1	145	5·4	130	6·2	120	5·7	105	5·8	100	5·7	245	4·3	245	1·8	4·1	12
210	7·2	210	7·7	225	7·7	225	7·8	210	8·3	200	7·7	200	7·1	230	5·9	180	4·8	185	5·6	180	6·4	175	6·9	6·1	13
320	7·2	320	6·5	300	5·8	280	5·6	275	5·6	280	4·6	270	4·9	270	5·8	275	5·9	285	5·5	285	3·6	270	5·6	7·2	14
225	5·0	215	5·4	200	5·9	220	6·6	230	5·4	220	5·0	235	4·7	270	5·4	275	3·6	300	3·2	290	4·8	275	4·5	4·4	15
240	8·1	245	7·1	265	8·0	270	9·2	320	8·8	355	7·9	350	11·9	355	12·3	340	9·0	330	9·6	320	10·0	300	9·7	8·3	16
320	10·8	315	11·3	310	10·6	320	9·8	315	9·8	310	8·5	310	8·3	305	7·1	300	8·0	300	8·6	300	7·0	295	6·1	9·2	17
260	6·1	225	7·0	225	7·9	225	6·4	230	7·5	225	6·2	235	5·9	210	3·5	175	3·9	170	5·2	220	4·6	220	3·0	5·6	18
115	3·9	115	4·1	125	5·1	135	5·0	105	4·3	95	5·4	95	4·1	85	3·8	90	3·4	90	4·1	80	3·6	75	3·5	3·4	19
270	3·7	335	3·9	320	3·5	320	3·1	50	2·9	110	3·8	160	2·5	90	1·7	30	1·2	---	...	---	...	---	...	1·9	20
335	6·3	330	6·5	340	7·6	330	8·1	340	8·5	335	8·0	345	6·7	335	6·1	335	6·4	340	9·5	345	7·8	340	8·1	5·1	21
350	12·9	350	14·0	360	12·2	360	10·9	355	11·4	350	12·7	360	10·1	360	8·2	5	8·0	5	11·5	5	11·0	5	10·9	10·1	22
20	6·8	20	7·2	20	6·5	20	6·7	20	6·7	15	6·8	15	7·0	10	6·2	10	5·3	15	6·6	15	5·7	30	4·0	6·6	23
10	5·1	5	5·2	10	6·3	15	6·6	360	7·6	10	7·5	15	6·8	30	4·0	80	1·8	---	...	---	...	---	...	4·0	24
45	6·7	50	6·2	45	4·1	180	2·2	130	4·0	80	5·0	150	4·2	165	4·8	155	3·5	160	1·9	75	1·0	75	1·1	3·1	25
250	2·8	225	3·9	260	4·5	255	4·0	255	2·9	265	3·7	220	4·0	180	2·5	180	1·9	---	...	60	1·1	55	1·7	2·3	26
175	2·4	290	2·3	205	3·4	205	5·2	215	3·4	260	3·9	185	1·7	---	...	---	...	---	...	---	...	55	1·2	1·9	27
265	3·5	265	3·7	265	3·7	265	4·1	265	3·8	260	2·7	250	1·6	---	...	---	...	---	...	---	...	55	1·0	1·7	28
230	4·9	225	5·1	175	4·8	215	4·5	175	5·0	180	5·4	190	5·0	180	4·7	190	4·4	170	3·5	135	3·4	180	4·5	3·0	29
170	6·9	185	6·2	160	6·5	175	5·8	170	6·2	170	7·2	165	6·6	170	4·8	165	5·3	160	5·3	160	4·8	160	6·0	5·5	30
---	6·5	---	6·8	---	6·9	---	6·9	---	6·7	---	6·8	---	6·5	---	5·7	---	5·4	---	5·6	---	5·2	---	5·2	5·6	
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

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 January, 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	155	5·8	140	5·2	150	5·6	145	5·0	140	5·7	130	6·2	130	7·3	135	6·9	115	4·6	145	7·3	145	7·6	145	5·7
2	180	5·8	155	7·2	160	8·0	160	8·4	160	7·1	165	6·9	165	6·7	165	6·7	170	6·6	165	6·5	155	6·4	150	7·5
3	130	5·8	105	4·2	100	4·8	115	3·9	120	1·3	145	5·5	155	5·5	130	4·9	155	3·8	120	4·0	130	2·9	120	5·2
4	90	1·0	---	...	75	1·2	---	...	---	...	---	...	60	1·2	50	3·5	50	4·1	30	3·9	50	5·7	55	5·3
5	---	...	---	...	---	...	160	3·6	165	2·7	160	1·7	160	1·6	---	...	---	...	---	...	220	1·0	275	1·6
6	60	1·4	55	1·0	---	...	55	2·2	60	1·5	50	1·2	---	...	---	...	---	...	265	2·4	265	1·0	270	2·4
7	55	1·0	50	1·0	---	...	---	...	---	...	---	...	50	1·0	---	...	20	1·1	---	...	310	1·0	330	3·7
8	---	...	- -	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	260	1·6	255	2·4
9	---	...	55	1·2	55	2·5	65	1·1	50	2·5	55	2·8	45	1·6	---	...	---	...	270	1·4	40	3·4	40	7·9
10	80	1·0	---	...	50	1·6	---	...	60	2·7	80	1·1	50	3·6	65	7·1	25	6·4	50	6·5	50	6·9	45	6·7
11	75	5·3	75	5·3	345	4·5	20	1·0	---	...	---	...	---	...	200	1·1	265	1·0	280	1·0	55	2·4	40	4·8
12	---	...	---	...	---	...	50	1·3	45	1·4	---	...	---	...	---	...	---	...	---	...	50	2·5	45	4·9
13	90	4·2	80	4·2	75	5·2	70	4·5	80	4·7	75	4·1	70	4·4	80	3·5	80	4·1	70	4·0	70	4·3	100	3·5
14	10	1·6	10	1·1	360	4·2	360	4·1	5	5·3	10	4·0	10	5·9	15	5·0	20	3·7	30	5·4	55	6·5	40	6·9
15	55	2·5	50	1·6	50	3·3	50	2·9	50	3·0	55	1·9	55	1·0	45	1·0	260	1·9	290	4·3	285	5·1	290	5·4
16	40	4·8	40	5·0	55	5·8	50	6·2	30	6·2	45	5·2	45	7·9	45	7·7	45	7·7	30	8·0	25	8·1	20	6·5
17	280	2·9	230	2·6	250	1·4	160	1·0	330	2·7	330	4·9	310	9·0	10	12·5	10	13·5	10	13·6	10	13·8	10	13·2
18	10	10·1	10	9·0	10	7·4	20	4·6	40	2·5	50	2·2	35	3·7	345	3·0	40	3·2	330	5·3	315	5·6	320	5·6
19	275	6·3	270	6·8	265	8·5	275	6·1	275	5·0	290	5·0	300	5·0	280	5·8	275	6·0	290	5·4	275	6·5	275	7·0
20	335	5·5	340	6·0	360	5·0	345	4·8	340	4·9	345	5·3	340	4·5	340	4·6	25	3·3	15	4·1	10	6·1	25	7·5
21	65	6·5	80	4·8	80	4·9	65	6·3	80	5·7	65	4·3	40	4·4	55	5·1	50	6·8	55	8·1	40	8·1	40	7·7
22	50	2·5	50	3·8	55	4·3	90	1·3	75	3·6	75	2·5	45	1·8	40	1·9	285	1·0	55	3·4	50	5·1	10	5·8
23	70	2·8	100	2·8	95	2·2	95	1·9	80	2·4	65	5·0	50	4·6	50	3·9	45	5·3	50	9·8	40	10·2	40	8·9
24	70	4·7	---	...	---	...	---	...	25	1·0	---	...	---	...	50	2·1	60	4·5	40	5·4	60	6·3	45	6·5
25	75	5·4	70	5·0	70	4·7	60	3·1	90	1·6	---	...	---	...	65	5·4	50	4·7	50	4·8	55	5·0	55	7·4
26	80	3·0	70	2·5	80	2·5	30	1·4	45	2·5	30	1·7	70	1·2	350	1·7	310	1·3	80	1·0	285	3·0	215	3·4
27	50	1·0	---	...	---	...	50	1·7	---	...	---	...	---	...	---	...	---	...	---	...	310	2·4	320	3·8
28	65	1·2	60	1·5	60	1·6	---	...	---	...	---	...	---	...	200	1·0	300	1·2	310	1·8	270	2·7	275	2·5
29	60	1·1	---	...	60	1·7	60	1·9	55	1·9	55	1·1	---	...	175	2·9	170	3·6	180	3·4	190	5·4	185	6·6
30	155	1·2	20	1·0	---	...	---	...	50	1·3	---	...	150	1·0	---	...	---	...	300	1·1	290	2·0	275	3·7
31	---	...	---	...	---	...	175	1·6	185	2·0	165	3·3	175	3·0	185	2·8	185	2·3	190	2·5	195	5·2	185	5·9
Mean	---	3·1	---	2·8	---	3·1	---	2·7	---	2·7	---	2·6	---	2·9	---	3·4	---	3·4	---	4·1	---	5·0	---	5·7

418. 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	135	7·1	115	5·3	80	3·8	95	5·4	95	5·4	105	6·3	110	8·0	110	8·0	100	7·4	90	6·5	140	8·8	145	8·5
2	170	6·1	210	5·0	210	5·4	210	5·6	200	5·2	195	4·9	195	5·7	205	8·0	195	9·2	185	9·8	190	10·6	190	11·5
3	195	8·3	190	8·3	190	7·7	185	7·9	185	7·8	185	7·8	180	8·1	175	8·2	165	8·6	180	9·4	175	9·9	180	11·2
4	145	6·0	140	5·9	75	4·3	65	4·6	90	6·3	80	5·0	80	5·2	85	5·0	95	4·9	95	5·1	65	5·1	75	3·5
5	50	2·7	35	3·0	40	1·4	20	1·6	60	1·0	340	1·9	340	3·5	340	4·7	330	5·2	330	5·6	335	5·7	310	4·4
6	190	5·0	175	5·5	155	6·7	165	6·5	155	8·5	155	9·6	150	10·2	170	10·3	200	9·1	210	8·9	215	8·7	230	7·6
7	180	7·4	190	7·2	185	6·0	175	5·6	155	6·9	155	4·5	155	5·4	210	4·5	230	5·2	260	6·0	275	7·0	265	8·1
8	275	8·7	275	8·6	265	8·3	270	9·7	285	6·7	270	7·4	270	8·0	270	8·1	265	8·1	260	8·2	265	8·2	265	8·2
9	185	5·1	200	4·8	195	5·8	195	7·2	190	7·4	185	6·9	190	9·1	190	10·1	190	11·2	185	11·0	185	11·1	185	10·6
10	165	7·9	155	7·2	150	6·4	150	6·1	145	6·3	90	4·5	100	4·9	90	5·0	90	5·5	105	7·3	85	3·8	90	5·0
11	(295)	5·8	(310)	9·1	(315)	8·9	(310)	7·2	(295)	7·4	(290)	8·8	(295)	9·2	300	9·5	300	8·9	290	9·6	285	9·1	275	9·0
12	240	4·1	235	4·4	270	5·1	240	5·0	240	4·9	235	4·7	240	5·0	235	5·6	220	5·7	240	6·5	240	7·5	235	7·4
13	210	6·0	210	5·3	210	6·0	215	6·1	210	5·9	230	4·8	210	5·8	205	6·7	195	7·6	190	8·0	180	8·2	170	6·7
14	140	2·8	---	...	65	1.0	---	...	175	2·4	60	1·0	---	...	260	3·8	240	4·8	270	5·4	255	5.4	260	5·1
15	185	2·3	195	2·3	210	2·6	270	3·2	275	3·0	280	2·4	290	4·2	280	5·0	275	6·2	285	5·4	275	7·4	275	6·9
16	300	5·7	295	4·9	295	5·2	295	5·5	300	5·5	300	5·4	295	5·2	295	5·5	295	5·1	295	6·0	300	5·9	290	6·5
17	190	2·3	175	2·1	55	1·2	155	1·9	140	2·1	150	3·3	140	3·5	135	4·5	135	5·6	130	7·0	115	5·6	110	6·3
18	245	6·6	245	6·9	255	7·6	255	7·7	260	7·2	270	5·1	265	4·7	260	5·5	255	5·1	260	5·6	260	5·8	260	6·0
19	170	7·0	165	7·3	165	8·0	165	7·1	180	5·9	175	6·8	180	7·3	180	6·3	180	7·2	180	8·3	185	7·3	180	6·9
20	170	9·8	175	10·1	190	10·3	210	11·4	215	9·1	225	9·3	220	7·5	225	7·4	230	7·2	210	7·0	210	7·7	215	8·1
21	190	12·0	195	11·7	200	11·1	210	10·9	210	5·5	230	4·4	230	4·8	230	4·9	230	5·4	210	6·5	215	7·0	220	8·1
22	160	6·2	160	6·4	145	7·5	135	5·3	160	6·6	150	7·2	150	6·7	170	4·9	160	5·1	170	5·5	180	6·3	290	4·0
23	---	...	50	1·0	---	...	40	1·5	---	...	---	...	---	...	---	...	325	3·0	335	3·0	320	3·4	305	3·7
24	---	...	165	1·2	---	...	---	...	---	...	40	3·0	15	3·5	15	4·8	5	6·4	10	6·0	15	7·3	35	5·7
25	35	10·1	30	10·9	35	9·0	20	9·9	30	9·7	40	7·8	40	7·1	30	9·9	20	8·4	25	8·9	30	8·9	30	5·3
26	340	4·8	345	3·8	315	1·0	255	1·0	310	1·8	305	1·3	315	1·0	80	1·1	---	...	---	...	190	2·0	215	2·8
27	305	4·9	300	4·2	300	3·7	300	2·8	275	2·2	255	2·0	255	2·8	245	3·4	220	4·2	235	4·5	220	5·3	215	5·7
28	205	5·5	210	7·1	210	7·0	210	7·0	215	5·8	210	4·9	190	4·6	190	4·6	180	5·6	185	5·7	190	6·4	185	7·0
29	180	6·1	185	5·0	180	5·9	165	6·5	160	6·6	170	7·1	170	7·7	170	7·1	180	8·2	180	8·0	175	8·2	180	9·2
30	330	2·4	10	1·7	5	1·0	360	1·8	20	3·0	35	1·9	5	2·5	360	3·1	340	3·8	330	3·9	320	4·7	330	5·0
Mean	---	5·7	---	5·6	---	5·3	---	5·4	---	5·2	---	5·0	---	5·4	---	5·9	---	6·3	---	6·6	---	6·9	---	6·8
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

MAY, 1935

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	
145	6·2	150	6·8	150	6·4	155	6·2	150	6·2	150	6·3	150	6·5	155	7·6	160	7·6	165	8·0	170	7·0	175	6·7	6·4	1
155	7·0	150	7·1	165	5·9	170	5·7	165	5·5	160	5·0	150	4·5	135	5·5	135	5·9	140	6·9	140	5·6	135	6·0	6·4	2
130	8·1	105	7·0	105	5·5	100	4·6	90	4·0	95	4·7	90	4·7	85	4·7	80	3·4	75	3·1	90	2·2	---	...	4·3	3
85	5·2	65	5·5	60	4·7	60	3·1	---	...	---	...	325	1·0	---	...	---	...	---	...	---	...	170	1·1	2·1	4
280	3·4	270	3·2	270	3·9	270	4·0	270	3·8	275	2·9	275	2·2	---	...	---	...	---	...	55	1·6	---	...	1·8	5
265	1·2	265	1·7	270	3·2	270	3·8	270	2·4	270	1·5	270	1·6	325	1·8	335	1·6	---	...	---	...	---	...	1·5	6
315	3·0	270	1·0	---	...	275	1·1	330	2·1	350	2·2	300	1·8	290	1·2	195	1·0	---	...	---	...	---	...	1·1	7
40	5·0	40	6·5	160	7·5	160	5·8	170	3·1	280	2·8	345	3·3	330	1·7	350	1·0	---	...	---	...	---	...	2·0	8
40	6·7	25	6·4	35	6·3	60	4·9	180	6·5	200	4·2	100	2·7	105	6·3	110	5·8	90	4·4	70	1·5	85	2·6	3·5	9
55	5·6	60	6·1	50	6·5	105	6·4	100	4·9	110	4·9	100	4·0	75	1·8	85	4·1	80	5·4	80	5·3	80	5·9	4·4	10
55	6·5	60	7·9	50	7·1	30	4·6	270	4·5	215	3·5	235	3·6	220	2·3	---	...	---	...	---	...	---	...	2·9	11
55	6·0	60	5·9	215	4·5	255	4·0	235	3·4	250	2·9	210	3·6	170	5·2	160	2·9	95	5·0	90	5·4	90	4·3	2·8	12
140	4·1	135	3·9	180	3·9	215	4·2	210	4·5	210	3·6	190	2·5	245	2·5	255	2·2	255	1·8	170	1·8	5	3·5	3·7	13
45	5·9	40	6·0	45	6·5	40	6·4	35	6·2	45	6·1	45	5·7	175	3·4	155	1·9	170	1·5	---	...	55	1·4	4·4	14
290	5·5	290	7·2	295	6·8	320	8·2	340	10·5	5	9·8	5	11·6	5	13·4	5	14·3	10	13·4	25	10·8	30	9·3	6·4	15
25	5·8	35	5·3	25	5·9	330	5·9	325	5·9	325	5·8	325	6·1	20	3·9	20	2·9	5	1·5	315	2·2	310	2·3	5·5	16
10	14·1	10	12·0	10	13·0	5	12·2	360	12·8	5	10·8	5	11·7	5	11·1	5	11·4	10	10·5	25	9·7	10	10·0	9·6	17
325	5·8	310	5·0	310	5·7	295	5·6	285	6·0	290	6·7	285	6·2	285	5·4	285	5·3	290	4·6	270	5·7	270	7·0	5·5	18
270	7·1	275	6·1	275	6·8	320	6·4	315	5·6	310	5·9	330	6·1	345	6·0	340	6·3	345	6·2	355	5·6	340	5·4	6·1	19
20	8·9	20	9·2	25	8·6	30	6·2	55	6·7	55	5·0	60	5·9	65	4·0	65	6·4	85	5·1	75	5·1	65	7·2	5·8	20
45	7·8	45	8·5	55	8·5	60	8·2	70	8·9	65	8·8	55	7·2	50	4·6	55	3·0	50	2·0	---	...	50	1·4	5·9	21
10	6·7	15	6·9	15	6·0	10	6·2	360	6·7	360	7·4	360	6·2	360	6·1	55	4·0	50	3·2	55	4·4	65	5·9	4·4	22
35	7·3	40	6·9	35	7·6	40	7·0	45	6·8	30	8·6	45	7·5	45	6·0	70	6·8	85	5·6	70	5·1	60	5·2	5·8	23
15	7·0	10	8·0	5	8·5	10	8·4	5	8·2	5	7·9	10	5·7	25	2·4	30	1·8	40	1·7	15	1·5	60	3·5	4·1	24
55	7·7	45	7·7	15	7·2	355	7·6	360	6·8	15	6·4	50	6·9	45	3·7	70	6·0	70	6·6	75	6·0	80	4·4	5·2	25
265	4·7	280	4·8	280	6·4	280	5·0	270	4·5	280	5·1	285	3·6	295	2·5	---	...	---	...	---	...	55	1·5	2·7	26
275	3·5	275	3·8	275	4·2	285	4·0	280	2·7	280	2·3	280	2·6	270	1·0	160	1·2	155	1·4	150	1·5	---	...	1·7	27
280	3·6	180	4·9	180	4·5	280	4·7	285	4·4	285	3·2	280	1·9	290	1·2	---	...	---	...	185	1·4	60	1·0	2·0	28
185	7·5	185	6·6	185	6·6	160	7·4	175	8·0	180	7·4	180	7·5	170	7·5	180	5·9	170	5·1	170	1·0	---	...	4·2	29
275	2·9	280	3·5	280	3·2	290	3·5	280	3·4	280	3·5	280	2·3	290	1·3	---	...	---	...	---	...	---	...	1·6	30
190	5·8	195	6·6	190	7·5	195	6·8	185	7·5	185	7·7	185	7·4	180	7·1	165	5·1	135	4·6	115	4·6	125	5·3	4·4	31
---	6·0	---	6·1	---	6·1	---	5·7	---	5·6	---	5·3	---	5·0	---	4·3	---	3·9	---	3·6	---	3·2	---	3·4	4·1	

JUNE, 1935

°	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	9·5	140	8·3	145	9·0	140	8·5	135	8·4	140	10·1	140	10·5	135	9·2	125	8·8	120	7·7	125	7·5	150	7·3	7·7	1
185	11·7	190	12·1	195	10·8	190	9·9	190	10·8	195	10·7	195	10·5	195	9·8	195	7·9	200	7·9	190	7·1	195	7·9	8·5	2
190	8·4	195	7·8	205	7·5	205	9·3	215	10·6	210	9·4	200	7·1	190	6·1	185	6·1	160	5·5	160	6·4	160	6·2	8·1	3
60	3·3	45	5·2	80	4·8	65	4·8	50	5·3	45	5·8	45	5·7	50	5·6	45	5·0	20	6·5	30	6·0	45	3·8	5·1	4
285	5·7	295	5·9	310	5·1	285	5·8	285	5·2	275	5·1	280	4·2	265	3·2	230	2·5	175	3·1	170	3·6	180	4·1	3·9	5
235	6·9	225	8·0	210	8·9	215	11·5	220	8·8	190	6·7	180	7·2	180	7·9	175	7·3	165	8·2	180	8·5	170	6·6	8·0	6
275	7·6	290	7·7	300	7·6	305	7·9	300	8·7	295	8·4	290	8·8	280	8·6	275	9·5	280	9·1	275	9·2	265	10·2	7·4	7
265	8·2	265	7·7	265	6·9	270	5·9	250	6·0	240	5·8	240	6·3	235	5·1	205	4·7	180	4·6	175	4·7	180	4·6	7·0	8
185	12·5	185	11·7	185	11·9	185	11·5	185	10·8	185	10·5	180	10·0	160	10·8	160	10·9	165	8·9	170	7·6	170	8·1	9·4	9
75	5·9	80	5·2	80	2·4	---	...	55	2·0	65	3·2	45	1·7	---	...	340	1·0	---	...	(330)	2·6	(335)	2·7	4·1	10
280	8·4	270	7·7	265	9·1	265	9·2	255	8·8	260	7·7	265	6·2	255	7·7	245	6·2	235	5·1	245	5·6	240	4·8	7·9	11
235	8·0	235	7·9	235	8·6	210	7·8	205	7·1	210	6·7	220	6·9	230	6·2	220	5·2	190	4·5	205	4·5	200	5·0	6·0	12
165	8·6	160	7·4	135	7·6	180	8·9	215	7·6	230	6·9	190	5·8	220	6·8	205	6·0	190	4·6	170	3·3	145	4·0	6·4	13
260	5·7	250	5·8	265	5·2	255	5·5	255	5·5	260	4·9	255	5·0	255	4·2	225	3·6	210	3·0	195	2·7	185	2·6	3·6	14
275	6·4	275	7·3	275	6·9	280	6·1	285	6·0	285	6·1	295	5·5	300	5·3	300	5·5	300	5·2	295	5·0	300	5·5	5·1	15
290	5·8	285	6·2	295	6·3	285	6·5	285	6·3	295	5·4	300	4·8	300	4·0	295	3·1	290	2·6	275	3·3	230	2·1	5·1	16
110	8·0	110	9·4	120	7·5	130	9·0	130	8·6	145	6·9	160	6·6	190	5·5	210	6·1	210	5·8	220	7·0	240	6·5	5·5	17
260	6·5	265	6·4	265	6·3	260	5·6	240	5·3	230	5·2	230	3·8	195	3·7	175	4·2	180	4·6	185	5·4	180	6·4	5·7	18
185	8·0	185	7·8	200	8·6	215	8·6	215	7·2	210	6·3	210	6·7	205	6·8	195	7·7	180	8·7	175	9·0	175	9·7	7·5	19
215	8·1	210	8·5	210	7·6	190	7·3	190	7·4	190	7·7	180	7·3	175	7·0	160	6·7	170	7·7	165	8·8	180	11·7	8·4	20
195	7·5	200	7·4	190	7·2	185	6·7	180	7·2	190	6·1	190	6·2	190	4·3	180	2·7	115	3·4	135	2·6	145	5·2	6·6	21
---	...	275	2·0	275	3·0	280	3·8	280	2·9	275	3·0	280	2·5	325	1·5	---	...	---	...	---	...	---	...	3·9	22
310	4·5	325	4·8	320	6·9	330	7·4	335	6·8	345	6·1	335	6·3	340	6·5	350	5·2	5	2·8	125	1·1	90	1·0	3·3	23
20	6·7	20	7·0	5	6·7	10	6·7	15	6·6	10	5·3	15	6·4	25	7·3	20	7·2	40	7·5	50	7·7	35	8·0	5·1	24
35	4·3	35	4·7	40	6·1	40	4·4	50	4·9	50	4·9	50	4·0	55	3·3	---	...	325	3·7	340	4·7	360	3·9	6·5	25
275	2·1	270	1·7	265	1·5	255	2·3	260	3·2	305	3·3	315	4·6	315	5·4	315	5·8	315	5·5	315	4·9	315	5·2	2·8	26
210	6·8	210	7·0	215	7·1	215	7·1	215	7·1	225	6·3	220	5·4	215	6·0	210	6·0	215	6·3	215	5·9	215	5·7	5·1	27
180	7·4	180	7·4	195	6·1	205	5·3	185	6·5	190	6·1	180	7·0	180	7·7	175	5·2	175	5·6	175	6·7	170	7·4	6·2	28
175	9·3	180	8·5	180	7·2	180	5·7	185	5·6	185	5·4	190	4·1	300	3·0	295	3·3	330	1·2	15	1·0	---	...	5·9	29
315	4·5	305	4·5	315	4·9	320	4·8	310	3·8	295	4·1	300	3·9	305	2·8	305	1·2	---	...	---	...	50	1·5	3·0	30
---	6·9	---	7·0	---	6·8	---	6·8	---	6·7	---	6·3	---	6·0	---	5·7	---	5·2	---	5·0	---	5·1	---	5·3	6·0	
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

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	---	...	55	1·5	50	1·5	50	1·8	50	1·6	---	...	---	...	170	2·9	180	3·3	205	5·0	205	5·1	190	6·0
2	190	3·2	215	3·0	220	4·3	220	4·4	225	4·3	225	3·7	215	3·4	245	3·6	255	4·3	250	4·2	255	4·2	250	4·4
3	260	1·8	230	2·7	220	3·0	210	2·7	225	3·4	180	3·2	210	3·9	215	4·7	210	5·7	195	5·7	185	6·2	210	6·9
4	245	7·3	245	6·4	250	7·2	250	7·4	250	6·0	250	6·2	260	5·4	255	4·5	260	6·1	260	6·6	260	6·8	255	8·2
5	215	4·6	220	4·2	225	5·5	245	6·0	245	5·2	215	4·3	220	4·4	235	5·0	235	5·9	245	7·4	250	6·9	250	7·6
6	---	...	---	...	275	1·6	285	1·0	---	...	---	...	---	...	---	...	---	...	---	...	280	1·1	275	2·3
7	85	2·9	100	1·1	115	4·0	130	3·4	135	2·4	130	6·6	120	6·3	115	4·9	115	4·8	110	5·3	130	7·2	130	8·9
8	130	8·0	145	10·6	135	8·1	130	8·0	130	6·9	130	7·7	130	8·2	135	9·6	135	7·3	150	8·2	160	7·3	175	7·6
9	160	6·1	165	5·9	165	5·9	150	5·1	155	5·4	150	6·4	140	6·1	150	8·3	145	9·4	145	9·9	155	9·4	160	8·1
10	10	1·3	---	...	---	...	---	...	---	...	---	...	---	...	265	2·7	275	3·7	275	3·7	270	3·9	270	4·0
11	10	1·9	15	2·0	50	1·9	55	2·1	55	2·2	55	1·2	---	...	15	1·6	55	1·0	260	1·2	345	3·0	315	2·3
12	55	1·0	---	...	55	1·5	55	2·5	---	...	55	2·1	---	...	---	...	220	1·7	200	3·0	180	4·3	180	5·5
13	170	6·1	180	7·8	175	7·9	175	9·4	175	9·5	170	8·6	175	8·5	170	8·9	170	8·5	180	8·4	180	8·3	185	7·3
14	355	5·0	355	7·4	10	7·0	60	6·0	15	5·5	360	4·6	360	5·9	5	6·2	15	7·3	20	7·7	15	7·5	10	7·1
15	170	1·1	---	...	---	...	---	...	---	...	50	1·1	---	...	---	...	325	2·6	315	2·8	310	4·3	305	3·2
16	230	3·3	230	3·6	235	4·4	255	4·8	230	3·6	250	5·0	245	4·5	235	4·5	230	4·7	235	5·0	240	5·6	245	5·7
17	275	3·4	300	3·4	295	4·7	300	4·7	295	4·7	290	4·3	290	4·3	290	5·1	285	5·0	290	4·8	300	5·1	280	6·1
18	185	2·7	240	3·3	230	2·9	280	3·9	260	3·9	305	5·0	320	3·2	310	5·0	310	4·6	335	5·3	305	5·0	320	6·0
19	190	4·4	185	4·7	190	6·0	185	7·4	180	8·2	185	8·6	195	9·3	230	8·5	235	6·8	245	8·4	245	6·2	240	8·0
20	335	7·6	345	10·7	350	9·4	340	9·9	330	9·6	330	9·6	330	9·0	320	8·5	315	7·9	320	8·8	320	9·4	325	8·4
21	270	3·5	240	3·7	230	3·0	220	3·2	220	3·7	225	4·0	175	4·9	180	5·2	175	6·7	170	8·0	165	8·2	210	7·6
22	240	2·4	220	1·9	190	2·0	205	2·1	190	2·2	165	3·1	160	2·7	170	3·2	170	3·9	165	4·8	165	4·4	160	5·4
23	185	4·4	185	4·6	170	6·1	190	4·7	185	5·1	175	5·8	170	6·0	175	6·3	170	7·0	165	8·1	180	7·1	170	5·9
24	20	6·8	15	5·9	10	6·0	15	6·4	25	5·7	40	5·6	50	5·8	40	5·7	15	7·1	20	7·0	10	7·0	5	5·7
25	---	...	345	1·3	25	1·1	20	1·4	35	1·1	---	...	350	2·8	350	4·7	345	5·2	335	4·5	330	4·2	325	6·0
26	345	3·2	355	2·5	330	1·4	320	1·4	315	2·0	295	1·0	285	1·8	260	3·6	250	3·8	240	3·6	245	3·9	205	3·5
27	245	4·9	225	4·8	230	5·3	235	5·5	230	5·2	250	6·4	255	6·5	240	5·8	235	6·0	225	5·5	240	7·4	240	7·6
28	265	5·6	270	5·0	270	4·7	270	4·7	280	3·9	295	4·9	305	3·9	300	4·1	305	3·9	310	4·0	300	4·5	305	4·7
29	335	4·5	340	3·5	360	5·2	5	4·4	5	4·1	5	4·2	15	2·6	10	3·7	355	3·8	360	5·0	350	4·6	350	5·1
30	---	...	---	...	---	...	---	...	---	...	50	1·1	---	...	---	...	---	...	275	1·3	265	2·4	260	3·6
31	50	1·0	---	...	40	1·0	50	1·2	80	1·5	180	1·0	---	...	---	...	---	...	270	1·0	190	1·1	180	2·5
Mean	---	3·5	---	3·7	---	4·0	---	4·1	---	3·9	---	4·1	---	4·0	---	4·5	---	4·8	---	5·3	---	5·5	---	5·8

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	55	2·0	55	1·2	55	1·6	---	...	---	...	50	1·4	60	1·0	---	...	---	...	320	1·9	320	3·1	320	2·9
2	360	5·3	15	4·8	20	4·0	340	3·9	360	3·9	360	5·5	350	6·3	360	6·7	5	6·8	10	5·9	25	4·9	15	5·3
3	20	1·8	---	...	345	3·2	25	1·2	350	1·0	360	2·8	360	1·0	340	3·2	330	3·5	320	3·8	330	2·9	325	3·4
4	---	...	---	...	---	...	---	...	180	1·0	---	...	---	...	230	1·2	220	2·5	220	3·8	225	4·3	250	4·1
5	190	2·5	210	3·2	205	2·6	210	2·5	185	1·5	180	1·5	---	...	230	1·0	255	1·3	260	2·2	265	1·2	265	2·6
6	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	305	1·1	300	1·5	280	1·6
7	---	...	---	...	---	...	---	...	---	...	---	...	---	...	40	1·7	---	...	215	1·9	280	3·1	270	3·1
8	210	3·3	190	3·3	205	3·2	230	5·0	225	4·0	220	3·3	220	3·4	335	4·2	340	7·7	345	8·4	340	7·8	340	7·7
9	---	...	---	...	300	1·2	---	...	---	...	---	...	200	1.0	---	...	250	1·4	270	3·3	270	3·2	270	3·7
10	210	6·3	220	6·6	215	6·4	220	6·2	225	6·5	215	6·2	210	5·7	215	6·3	210	7·4	210	8·5	210	8·2	215	7·8
11	210	5·9	205	6·1	205	6·3	200	5·5	200	5·2	200	5·2	180	4·9	190	5·4	175	5·7	175	5·9	175	5·0	175	5·5
12	25	6·4	30	11·6	30	9·0	30	10·0	30	11·0	30	11·1	30	10·5	35	11·8	40	11·2	50	7·6	30	7·5	20	7·2
13	5	6·2	5	6·1	360	5·5	360	4·0	5	2·9	20	1·2	20	1·3	360	3·2	340	4·5	340	5·1	325	5·3	330	5·2
14	310	3·8	---	...	355	1·0	315	1·2	---	...	---	...	265	2·3	270	2·5	295	3·7	255	3·2	270	3·1	275	3·7
15	155	4·0	155	4·3	160	4·9	155	5·0	160	5·4	155	5·1	165	5·0	155	5·4	170	5·8	180	7·0	180	7·6	180	7·8
16	170	5·1	180	4·2	175	5·0	175	4·8	180	4·7	170	4·1	175	4·0	175	4·0	175	4·7	180	3·6	180	4·7	180	4·6
17	175	2·6	180	2·6	170	3·1	180	2·9	180	3·0	185	2·9	185	3·0	180	4·3	190	4·1	185	4·8	190	5·0	190	4·6
18	250	2·8	265	3·1	265	3·2	265	2·2	270	3·1	280	3·2	280	2·9	275	2·1	270	2·5	265	2·4	270	2·5	270	3·1
19	185	2·9	185	3·0	185	3·3	185	3·5	180	3·0	175	4·4	180	4·8	195	4·9	200	4·8	210	5·1	205	5·4	190	4·9
20	170	9·0	175	9·0	180	8·5	180	7·6	180	6·5	180	6·4	175	6·5	180	7·2	195	7·2	190	7·0	185	7·5	180	8·3
21	175	10·0	180	10·5	270	7·4	270	4·2	295	5·5	300	5·1	300	4·7	290	3·7	280	4·7	280	5·2	275	5·4	270	5·5
22	200	4·9	185	6·5	190	7·2	185	6·5	185	6·9	185	8·2	185	9·6	185	9·7	185	10·4	185	10·3	180	9·8	180	9·8
23	30	1·1	50	2·0	55	1·1	60	1·4	---	...	55	1·7	50	1·0	---	...	---	...	270	1·5	275	2·8	270	3·2
24	345	5·7	350	6·0	345	5·2	345	5·2	350	6·6	355	6·3	360	6·7	360	6·4	355	7·3	355	7·2	345	7·8	350	7·7
25	360	8·7	360	8·1	360	8·9	360	9·0	360	7·9	5	7·8	5	6·9	5	6·5	5	7·2	10	7·4	360	7·0	335	7·9
26	200	4·3	215	4·5	225	5·9	230	6·2	230	7·4	230	7·5	230	7·0	230	7·0	230	7·5	230	8·0	225	9·0	225	9·5
27	325	4·8	310	5·9	330	5·7	300	4·6	320	3·8	300	5·0	300	5·6	315	5·2	320	6·2	320	6·7	320	5·0	305	6·5
28	290	1·5	320	1·8	350	3·2	360	4·3	20	4·9	320	1·5	---	...	360	1·2	355	4·4	355	5·8	5	4·5	320	4·1
29	15	2·7	360	2·7	360	2·8	325	2·8	---	...	170	1·5	300	2·4	295	3·4	280	4·7	270	5·2	245	4·8	265	5·7
30	255	8·1	240	5·5	240	5·5	235	4·6	200	4·1	185	4·0	190	3·0	175	2·6	190	2·0	225	2·2	275	2·2	280	3·4
31	60	1·0	55	1·4	50	1·2	---	...	---	...	50	1·1	50	1·2	---	...	---	...	255	1·1	260	2·8	260	3·4
Mean	---	4·0	---	4·1	---	4·1	---	3·8	---	3·7	---	3·8	---	3·7	---	4·0	---	4·6	---	4·9	---	5·0	---	5·3
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) = 17 metres + 13 metres

JULY, 1935

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	
180	6·8	175	6·6	175	6·7	170	6·9	190	6·1	200	6·0	215	4·9	215	4·5	190	3·1	195	4·0	190	3·5	185	3·4	3·9	1
255	4·5	255	4·9	255	4·8	255	4·2	265	4·8	260	4·9	255	4·1	265	4·0	265	3·9	265	3·4	275	1·9	270	2·4	3·9	2
220	6·9	230	6·8	245	7·1	220	6·3	245	6·8	240	6·1	230	5·1	215	4·5	215	4·9	230	6·0	245	6·7	250	9·2	5·3	3
255	8·4	245	8·4	245	7·9	250	8·0	245	8·1	245	6·8	245	6·5	250	5·8	245	5·9	245	5·4	225	5·0	220	5·0	6·6	4
260	6·2	265	5·1	270	5·0	270	4·2	265	3·6	265	3·0	260	2·6	260	2·1	275	2·7	310	3·0	285	1·9	---	...	4·5	5
275	2·3	270	2·8	180	4·2	195	5·3	200	5·4	195	5·1	180	4·8	190	3·8	195	2·2	180	1·0	---	...	---	...	2·0	6
120	6·9	125	6·1	140	6·0	145	5·9	90	5·9	100	6·4	105	6·4	90	4·9	60	4·8	60	6·2	110	6·9	85	9·3	5·6	7
215	7·6	200	7·2	185	7·5	190	7·1	180	7·5	160	5·7	170	6·4	170	6·4	175	4·8	175	3·6	150	4·5	145	5·7	7·1	8
165	8·3	175	7·0	175	5·1	220	3·6	265	3·0	275	2·9	290	3·0	315	2·2	315	2·0	345	1·0	330	2·4	55	2·3	5·4	9
270	4·9	275	4·8	270	5·0	270	4·9	300	4·4	315	4·6	310	3·4	305	3·5	310	2·2	---	...	5	1·1	15	1·2	2·6	10
325	3·6	270	4·1	270	3·7	270	3·7	270	2·9	275	3·0	275	3·4	290	1·9	---	...	---	...	60	1·7	50	1·4	2·1	11
175	7·2	190	6·6	180	7·4	180	7·2	190	6·2	180	7·0	180	7·1	185	6·5	175	5·3	170	5·1	170	5·8	170	6·6	4·2	12
190	6·7	225	5·1	235	4·2	275	3·1	270	4·1	340	6·6	350	8·6	350	8·5	360	6·6	355	6·4	355	7·2	360	5·6	7·2	13
10	6·7	360	7·0	360	7·5	360	7·5	5	7·1	5	6·5	5	6·0	360	5·7	350	4·4	35	2·7	45	1·6	---	...	5·9	14
300	4·5	310	4·9	315	4·5	280	4·1	270	4·1	275	4·2	275	3·4	275	2·9	230	2·9	235	3·4	235	3·5	260	4·4	2·7	15
235	5·6	235	5·6	225	6·6	225	6·8	230	6·7	245	6·4	245	5·5	250	5·1	255	6·1	260	5·0	280	4·4	260	4·0	5·1	16
280	5·7	275	5·7	275	5·1	275	4·5	275	5·2	275	3·1	270	4·9	245	4·0	230	3·6	280	3·5	270	1·1	170	1·3	4·3	17
280	5·4	280	6·5	275	6·0	305	5·6	295	5·4	295	4·0	270	4·1	275	4·6	270	5·6	265	5·6	230	3·8	195	3·2	4·6	18
235	6·8	225	8·7	225	8·5	225	7·9	225	8·0	225	7·4	230	6·6	225	6·0	230	5·6	275	3·6	310	5·0	330	6·5	7·0	19
325	8·5	325	8·4	320	8·3	315	7·0	310	6·2	305	5·2	305	4·9	300	5·1	300	4·5	295	3·5	295	3·7	285	3·7	7·4	20
230	6·9	250	7·6	250	7·4	255	7·8	255	6·7	255	5·6	260	4·7	265	3·3	255	2·2	260	2·6	255	3·7	255	4·1	5·2	21
165	5·9	190	6·0	175	7·0	175	8·0	180	7·7	175	7·2	180	6·1	185	5·6	195	5·0	180	5·5	175	7·2	185	5·7	4·8	22
160	6·4	165	6·7	170	6·5	170	6·3	175	4·9	210	3·0	210	1·6	340	3·5	345	4·2	5	2·6	75	3·2	20	4·0	5·2	23
360	6·7	360	7·0	360	7·4	360	7·9	360	7·4	340	7·2	345	8·0	350	6·4	360	4·4	5	3·8	5	3·5	55	1·4	6·1	24
325	5·2	325	6·3	330	6·2	325	6·0	325	6·3	325	6·7	330	5·9	335	4·9	340	5·1	345	4·5	350	3·1	345	3·3	4·0	25
215	4·7	245	4·7	250	5·9	255	4·8	255	4·8	250	5·5	250	6·3	255	5·7	265	5·8	265	5·3	255	5·1	250	4·1	3·9	26
240	7·9	240	8·3	245	8·5	250	8·5	245	7·8	250	8·0	255	9·0	255	7·8	260	7·0	260	6·5	265	6·2	270	5·2	6·7	27
280	3·4	270	2·1	265	2·8	265	4·0	270	3·6	275	4·0	285	5·0	310	5·3	310	4·9	320	5·0	325	4·2	320	4·0	4·3	28
355	5·8	350	5·6	350	4·9	345	6·6	345	6·6	355	5·7	360	3·6	25	2·4	50	1·0	160	1·4	195	1·3	---	...	4·0	29
275	2·7	270	2·4	265	3·4	270	3·1	270	3·1	275	2·5	280	1·7	---	...	---	...	---	...	140	1·1	---	...	1·4	30
300	2·2	315	3·0	280	2·9	310	2·8	325	3·4	335	4·8	320	3·2	305	1·6	---	...	---	...	---	...	50	1·7	1·6	31
---	5·8	---	5·9	---	6·0	---	5·8	---	5·6	---	5·3	---	5·1	---	4·5	---	3·9	---	3·6	---	3·6	---	3·6	4·7	

AUGUST, 1935

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	
320	4·6	330	5·1	320	4·0	335	7·2	340	5·7	330	5·6	340	5·6	350	4·6	350	5·0	355	4·8	360	5·5	355	5·3	3·3	1
15	5·1	20	6·3	360	6·2	360	5·5	340	5·4	345	6·5	355	5·2	360	4·9	360	4·1	360	4·8	360	4·4	10	2·9	5·2	2
310	5·0	315	5·0	315	5·8	325	6·3	330	5·4	325	4·8	320	4·3	320	3·2	---	...	40	1·5	---	...	---	...	3·0	3
255	5·0	255	5·5	250	5·2	255	4·9	255	4·7	250	3·9	205	2·8	215	2·7	210	2·7	190	2·8	175	2·4	165	3·4	2·7	4
265	2·9	265	3·6	260	2·7	260	2·7	260	3·1	260	2·8	275	2·4	320	1·0	---	...	---	...	---	...	---	...	1·9	5
320	2·8	320	3·0	270	3·0	265	3·3	270	3·0	280	2·0	270	2·1	270	1·7	---	...	---	...	---	...	---	...	1·3	6
275	3·5	240	4·0	245	3·4	245	4·7	240	4·1	235	3·9	220	3·5	185	3·4	175	4·1	165	4·9	175	4·7	195	3·0	2·5	7
345	5·3	350	5·1	335	7·8	340	9·2	340	8·8	340	8·3	350	7·5	355	5·0	360	4·8	360	3·8	5	3·0	5	1·4	5·5	8
260	4·8	265	4·9	265	5·1	265	5·6	250	5·7	255	5·8	235	5·0	225	4·4	230	4·0	225	4·8	225	4·9	210	5·1	3·2	9
210	8·1	215	9·6	215	9·0	205	8·1	205	7·7	205	7·5	205	6·7	200	7·1	200	7·4	200	7·0	210	6·5	205	6·1	7·2	10
180	5·9	185	6·5	180	6·4	175	7·0	170	6·8	170	5·9	155	5·8	130	4·9	85	3·3	65	3·6	60	4·2	35	2·8	5·4	11
20	7·3	15	8·6	10	9·1	5	8·6	10	8·1	5	7·7	5	7·5	10	8·7	10	6·7	15	7·6	10	6·7	5	6·4	8·7	12
320	4·4	325	5·8	310	4·9	305	5·2	315	3·8	310	3·7	330	4·1	320	4·7	340	3·2	320	2·5	350	1·5	315	2·2	4·0	13
275	3·4	275	4·8	280	4·1	275	3·8	235	4·0	240	3·7	220	3·5	215	3·6	180	2·4	155	2·9	150	3·2	145	3·8	2·9	14
185	7·9	190	8·4	185	7·7	180	7·5	180	7·3	180	7·3	175	7·1	175	6·9	170	6·9	175	6·8	180	6·4	180	5·4	6·4	15
175	4·7	185	5·0	185	4·8	195	3·5	220	3·9	230	4·0	235	3·0	220	1·8	220	2·5	195	2·7	175	1·6	170	3·2	3·9	16
185	4·2	185	4·8	200	4·4	230	3·7	225	4·4	215	4·4	215	3·8	190	3·0	200	3·1	200	3·3	215	3·2	265	4·7	3·7	17
270	3·4	275	3·6	275	3·2	275	3·6	275	2·4	270	2·2	---	...	190	1·4	185	1·5	205	1·7	195	2·0	180	2·7	2·6	18
170	5·0	180	7·5	185	8·2	190	7·4	185	7·4	180	7·7	175	7·2	185	5·8	180	4·9	185	4·5	175	5·4	170	7·2	5·3	19
180	8·5	175	8·5	180	8·7	185	8·4	180	8·6	175	9·1	170	8·3	180	8·4	180	8·4	180	7·6	170	7·5	170	8·7	8·0	20
265	5·0	260	5·1	265	5·1	235	5·3	235	5·6	225	5·4	210	5·1	190	4·0	185	4·0	190	4·7	190	4·6	190	5·5	5·5	21
175	8·2	185	10·0	190	8·1	190	8·0	185	8·4	180	7·6	175	5·5	255	3·5	270	1·5	15	1·1	---	...	---	...	6·8	22
300	2·9	300	3·6	315	4·0	325	5·2	320	5·4	340	5·8	325	6·4	330	6·7	335	5·8	345	5·9	350	5·8	340	5·0	3·3	23
345	7·7	345	8·5	350	8·6	345	9·2	350	8·3	350	10·0	350	9·0	10	4·9	10	5·2	360	6·6	5	7·9	355	7·5	7·1	24
335	9·0	335	8·2	330	8·2	330	6·8	325	6·2	320	6·0	320	3·5	300	2·1	290	2·5	260	3·4	230	3·5	185	3·6	6·5	25
230	9·2	235	8·5	255	6·4	330	6·3	330	7·0	320	5·2	325	9·1	330	7·5	330	7·3	330	6·5	315	5·3	345	4·1	6·9	26
320	6·9	315	7·1	320	7·6	315	6·2	310	6·5	310	5·8	320	5·6	340	5·4	345	5·3	5	3·2	350	3·4	310	3·2	5·5	27
310	6·0	340	6·9	335	6·5	340	8·4	320	8·5	335	7·6	345	6·4	350	6·3	355	5·2	340	5·3	350	4·7	360	3·4	4·7	28
275	6·2	275	6·0	265	6·8	270	7·1	255	7·6	270	6·9	270	7·7	265	7·8	250	7·3	265	6·7	265	8·0	265	7·5	5·2	29
275	3·7	275	3·5	275	3·5	270	3·3	270	3·0	275	2·7	275	2·0	310	1·1	---	...	50	1·2	55	1·1	50	1·3	3·1	30
255	3·7	270	3·5	275	2·0	270	3·4	255	3·6	270	3·0	265	2·1	235	1·5	170	2·9	175	2·4	50	1·2	---	...	1·9	31
---	5·5	---	6·0	---	5·8	---	6·0	---	5·8	---	5·6	---	5·1	---	4·5	---	4·0	---	4·0	---	3·9	---	3·8	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

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	---	...	35	1·2	80	1·7	---	...	35	2·8	70	2·2	50	2·2	85	3·2	---	...	45	1·1	40	2·7	60	5·1
2	290	2·9	275	3·5	265	4·4	265	4·0	265	3·5	235	3·1	225	3·2	210	2·6	220	3·8	265	4·2	275	2·1	225	5·5
3	210	3·3	170	3·9	185	2·5	180	2·7	185	2·5	180	2·1	175	2·7	165	2·2	180	2·7	210	3·5	230	5·0	225	4·4
4	---	...	200	1·0	270	2·1	265	1·8	200	1·0	280	1·8	270	2·6	260	4·4	260	4·8	255	5·1	260	4·8	255	4·8
5	290	3·8	280	3·3	235	2·9	255	2·9	255	2·5	190	2·3	180	1·4	50	1·0	165	1·9	165	3·1	180	1·4	---	...
6	---	...	---	...	---	...	---	...	50	1·5	45	1·5	50	1·8	---	...	40	1.0	175	1·9	180	2·8	180	4·3
7	115	4·8	105	4·8	115	4·1	110	4·5	100	5·0	90	4·0	110	5·9	105	5·6	120	5·2	120	5·6	130	6·0	115	7·5
8	100	10·7	100	9·7	100	8·5	130	7·5	120	8·0	115	8·4	120	8·3	130	9·7	130	8·5	140	9·9	135	7·2	140	6·4
9	---	...	---	...	---	...	---	...	80	1·4	80	1·1	70	1·0	190	1·5	45	1·9	200	1·5	175	3·6	175	4·1
10	165	4·1	150	6·4	155	8·5	165	7·2	165	7·9	165	7·7	165	9·5	170	9·6	165	10·0	165	9·7	165	9·4	165	9·7
11	85	8·2	80	7·9	85	5·5	135	4·1	175	5·3	180	5·7	165	6·8	170	5·1	155	4·0	145	4·1	105	3·3	115	3·0
12	80	1·8	80	4·3	75	2·9	85	4·4	85	3·0	200	1·3	175	1·9	130	1·4	170	4·1	175	5·5	185	6·2	195	3·1
13	230	7·5	230	8·2	235	8·6	235	7·8	225	7·0	220	8·0	210	7·2	215	8·5	210	9·3	210	9·3	205	10·4	210	10·0
14	225	9·9	220	11·2	220	12·0	230	11·2	230	12·3	230	12·0	230	10·9	230	10·4	240	11·1	240	9·8	235	10·9	245	10·0
15	195	10·7	210	10·4	225	11·1	220	10·8	220	10·7	230	8·2	230	9·9	230	11·0	240	12·5	265	13·8	265	12·4	270	12·6
16	255	11·0	250	10·4	250	10·8	245	9·6	255	7·8	240	7·6	230	6·1	225	5·5	220	4·8	205	5·0	155	4·3	160	5·6
17	300	9·5	295	10·2	300	10·1	300	10·3	295	9·9	295	9·6	295	9·6	295	8·5	280	8·2	275	9·5	270	9·4	265	10·0
18	270	10·0	265	7·6	260	7·9	265	9·0	260	8·4	245	7·5	240	7·0	240	6·1	225	6·3	225	7·5	220	8·0	210	8·5
19	225	12·5	230	12·0	230	12·5	235	11·7	235	12·5	245	12·1	245	13·0	250	13·0	250	13·1	250	13·4	255	12·4	250	11·9
20	175	3·5	260	3·8	175	2·1	185	2·1	220	1·0	225	2·4	225	3·3	205	3·5	230	4·0	255	5·2	260	4·7	260	5·0
21	45	2·2	35	1·0	90	2·5	90	1·2	105	2·7	115	4·0	90	4·6	70	5·5	80	5·4	30	2·1	90	1·4	280	1·2
22	---	...	---	...	---	...	195	1·9	205	1·6	190	1·1	50	1·1	45	1·6	45	2·1	200	3·5	235	5·2	275	5·0
23	---	...	---	...	---	...	---	...	---	...	---	...	50	1·3	---	...	45	2·2	160	5·2	170	5·7	175	7·2
24	220	5·1	195	4·0	190	(2·5)	200	(4·0)	190	(3·5)	180	(3·7)	185	(4·1)	215	4·0	220	4·7	225	5·0	240	5·3	255	7·3
25	345	3·5	340	3·2	340	3·2	350	4·7	345	4·6	350	4·2	355	3·5	360	3·0	335	2·5	330	2·5	305	2·0	320	2·4
26	155	8·4	160	8·7	160	9·1	165	8·5	160	8·9	160	8·8	155	9·2	160	8·8	160	8·8	170	7·2	180	5·7	180	4·8
27	195	5·1	175	5·3	190	4·2	195	4·7	205	5·1	205	5·0	205	4·1	200	4·0	205	4·6	210	5·3	210	5·8	215	5·9
28	160	1·7	180	1·5	165	2·5	175	1·1	---	...	---	...	---	...	---	...	---	...	---	...	250	1·5	275	2·9
29	---	...	55	1·4	170	4·5	175	4·2	180	5·0	180	4·6	185	5·6	190	8·0	185	8·0	180	9·7	180	9·7	180	10·9
30	270	6·4	280	7·6	285	7·0	275	4·2	270	7·6	255	8·7	275	8·0	265	9·8	260	9·5	265	10·2	260	10·4	265	8·6
Mean	---	5·0	---	5·1	---	5·2	---	4·9	---	5·1	---	5·0	---	5·2	---	5·3	---	5·5	---	6·0	---	6·0	---	5·9

422. 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	275	9·7	280	8·9	290	9·2	290	9·8	300	8·9	305	8·5	305	8·6	305	8·1	320	8·5	320	8·3	320	7·9	325	8·4
2	195	6·6	185	9·0	190	9·7	180	9·1	180	8·0	295	7·8	295	8·1	285	6·4	275	5·9	270	5·8	270	7·7	255	7·3
3	150	3·6	125	3·8	80	4·4	85	4·6	80	4·5	65	3·8	40	4·1	50	5·5	40	6·7	25	5·3	20	6·4	30	5·8
4	50	2·8	35	3·6	10	5·6	360	7·6	15	6·7	15	7·9	5	9·6	10	9·4	5	9·4	10	9·2	15	7·8	10	7·0
5	5	9·2	360	8·7	355	10·4	350	10·8	355	9·4	350	7·9	345	6·7	340	8·1	350	7·2	345	9·1	340	10·1	345	9·7
6	5	6·5	20	5·4	10	4·7	5	6·1	360	5·7	355	6·4	5	5·6	360	4·9	360	5·2	340	5·4	355	5·3	345	7·0
7	---	...	---	...	---	...	45	1·2	55	1·2	50	1·4	50	1·7	50	1·8	165	3·2	170	5·0	190	6·6	190	6·9
8	285	7·0	300	6·9	285	4·4	295	5·0	280	6·5	290	6·4	280	5·1	265	5·5	270	7·0	270	8·5	270	7·1	270	7·9
9	255	5·5	230	5·5	230	5·5	240	4·2	165	2·7	165	4·1	170	5·7	190	5·5	200	8·4	205	7·6	235	6·1	255	6·0
10	315	5·9	310	5·8	295	7·3	290	9·0	285	8·7	285	8·5	285	9·4	285	7·6	275	9·0	280	8·6	275	9·8	275	9·1
11	180	1·0	270	4·4	280	4·0	290	3·5	265	4·4	300	3·9	300	3·0	295	2·0	285	3·1	290	4·2	270	(4·0)	270	(4·5)
12	275	3·5	275	3·9	330	3·2	(330)	2·3	(310)	3·0	(270)	4·9	(230)	3·0	185	2·7	210	2·7	225	2·9	255	4·8	220	5·0
13	190	7·1	190	7·4	190	8·1	190	8·5	190	9·2	185	9·8	185	10·0	180	9·6	180	10·8	185	10·4	180	12·4	185	12·2
14	260	2·5	220	2·0	195	2·8	240	3·0	185	2·9	180	3·2	190	3·0	185	2·6	185	2·8	185	3·0	200	3·3	205	3·6
15	185	6·2	185	5·7	185	5·8	185	7·4	185	8·4	180	8·8	175	9·0	180	8·8	180	8·5	180	9·5	185	9·5	200	11·0
16	245	2·9	255	3·0	250	1·4	220	1·3	230	1·1	260	1·2	300	2·5	330	3·9	330	2·7	320	4·9	320	5·6	320	4·4
17	185	4·0	190	4·5	190	4·8	190	5·0	195	5·2	195	5·9	200	5·6	210	5·6	220	6·3	225	6·2	220	6·4	225	7·0
18	245	5·5	240	5·7	230	5·0	225	5·5	225	6·0	230	6·5	220	6·5	210	6·2	215	6·6	200	7·8	200	9·9	200	10·0
19	275	11·4	275	12·5	280	12·3	285	11·2	290	10·8	295	11·8	295	11·2	295	11·9	295	12·3	300	11·0	310	10·4	310	11·5
20	330	12·9	345	11·2	350	11·8	350	9·9	25	7·0	360	8·5	15	7·6	355	8·5	350	5·8	10	7·4	360	7·3	345	7·9
21	350	4·2	345	3·9	335	3·2	340	3·9	10	2·7	350	1·7	45	1·0	165	1·0	170	2·1	170	2·5	175	2·8	230	4·7
22	---	...	---	...	60	1·1	45	1·0	55	1·0	165	2·4	160	5·0	160	6·0	165	7·5	170	7·4	180	6·0	210	6·1
23	165	5·5	180	4·5	180	6·2	180	6·1	180	7·1	180	7·9	210	7·5	230	5·1	200	3·4	215	5·0	245	7·0	250	8·1
24	300	5·0	300	5·3	300	5·1	300	5·4	305	4·1	315	2·2	300	2·2	290	1·8	180	1·5	---	...	215	1·5	---	...
25	320	3·9	350	5·2	345	5·4	330	6·8	340	6·1	330	5·1	350	5·6	350	4·1	345	3·4	340	3·9	330	4·9	330	4·9
26	230	1·3	250	1·4	280	3·0	270	2·6	295	4·5	320	1·7	300	1·1	265	1·5	245	1·6	260	4·1	280	2·6	250	1·5
27	260	6·6	255	7·9	250	8·3	255	8·5	250	7·4	240	6·4	240	8·0	240	8·9	250	10·8	260	10·6	260	9·2	260	9·7
28	270	9·5	270	8·6	270	7·5	275	8·0	270	8·4	270	7·9	270	7·8	275	6·5	275	6·6	280	5·8	275	4·7	275	5·7
29	250	11·2	250	10·9	245	9·7	245	10·3	230	10·0	230	11·1	235	12·0	255	10·9	270	6·8	285	9·5	290	10·4	290	10·0
30	245	8·2	235	8·1	230	9·2	235	9·5	230	10·1	235	12·1	230	12·2	230	12·1	230	11·6	230	12·0	225	12·9	230	12·5
31	260	9·7	235	8·4	255	8·9	275	8·7	225	7·9	235	7·4	240	9·1	240	9·3	235	7·9	240	10·6	225	10·1	235	10·6
Mean	---	5·8	---	5·9	---	6·1	---	6·3	---	6·1	---	6·2	---	6·4	---	6·2	---	6·3	---	6·8	---	7·1	---	7·3
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	

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, 1935

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	
15	4·7	20	5·8	15	5·6	360	6·5	345	5·0	330	4·9	325	3·1	305	2·4	295	1·8	305	2·0	300	1·9	290	3·1	2·9	1
225	5·3	215	6·4	225	6·2	225	6·1	225	5·9	225	5·8	225	5·4	205	4·9	200	4·1	195	3·9	210	3·9	205	3·5	4·3	2
270	3·2	270	4·4	275	2·4	270	3·1	260	4·4	325	2·0	265	1·0	210	1·5	220	2·3	---	...	---	...	200	1·0	2·7	3
260	6·8	260	6·2	255	5·7	250	5·6	300	2·9	290	1·5	---	...	---	...	290	2·4	285	3·7	285	4·0	285	4·4	3·3	4
---	...	320	1·7	325	3·2	335	4·5	5	5·5	340	5·4	335	4·5	340	4·4	355	3·2	335	2·4	320	2·0	---	...	2·7	5
180	4·1	180	4·8	180	4·4	180	4·7	180	4·6	170	4·5	155	4·6	130	4·1	110	3·7	115	3·4	120	4·2	115	4·8	2·9	6
125	9·1	110	8·5	110	8·6	110	7·6	120	8·1	105	7·9	100	8·7	85	8·6	80	7·3	85	8·0	90	9·7	100	9·7	6·9	7
160	4·9	190	3·9	255	1·3	---	...	270	2·5	270	2·2	270	1·8	---	...	---	...	---	...	---	...	---	...	5·1	8
180	4·8	180	5·6	180	5·8	180	6·8	180	6·2	170	4·8	140	4·1	155	6·5	150	6·7	155	6·4	155	6·3	155	6·2	3·7	9
175	9·1	170	8·6	160	7·2	160	8·7	170	7·2	175	7·6	160	7·0	160	8·0	145	6·8	135	6·1	135	5·9	95	5·8	7·8	10
110	3·9	100	3·2	85	4·5	320	2·4	315	1·8	320	2·2	---	...	85	1·6	85	2·2	80	3·1	80	4·6	70	3·7	4·0	11
205	5·5	190	7·9	180	7·9	180	8·3	175	7·1	260	7·0	270	5·6	265	7·4	255	6·6	240	7·0	235	6·9	230	7·0	5·2	12
215	10·0	200	11·1	205	10·6	210	9·7	205	9·5	205	9·5	195	9·8	195	10·8	200	11·0	190	11·1	205	13·5	220	10·8	9·5	13
240	10·8	235	10·9	230	9·9	225	10·1	220	9·5	205	9·1	200	7·9	195	8·1	190	9·0	180	10·4	180	12·8	190	13·5	10·6	14
265	11·7	260	12·1	255	11·8	260	10·8	255	10·4	255	10·8	250	10·2	255	11·3	260	11·1	250	10·4	255	10·4	255	10·9	11·1	15
110	7·1	80	7·6	90	11·0	95	12·8	195	9·2	175	8·3	170	3·5	330	6·7	330	14·5	330	17·2	320	14·7	305	9·1	8·8	16
260	9·7	265	9·6	275	8·8	270	6·6	265	9·5	275	9·7	275	8·0	275	10·1	270	10·7	270	9·9	270	10·6	265	9·6	9·5	17
205	9·1	200	10·6	190	9·5	190	11·4	185	12·1	185	11·6	195	11·5	195	11·0	200	12·1	210	14·1	210	14·4	225	14·7	9·8	18
255	11·5	250	10·0	250	9·1	245	8·7	240	9·0	240	9·4	240	8·7	235	6·2	240	6·0	230	5·4	235	4·5	220	3·9	10·1	19
260	4·4	255	4·5	265	3·4	270	4·1	260	3·8	260	2·6	205	2·0	180	2·4	50	1·7	50	1·7	30	1·5	35	1·0	3·1	20
315	1·5	305	1·0	275	1·0	315	2·7	325	4·1	320	3·5	325	2·8	350	2·9	340	1·2	340	1·8	320	2·5	---	...	2·5	21
270	5·6	330	6·3	340	9·0	340	8·0	335	4·3	330	3·8	325	7·1	330	5·4	335	4·4	325	4·3	325	2·9	325	1·9	3·7	22
175	8·0	175	7·8	170	7·3	170	9·0	150	8·6	150	9·1	155	9·7	150	9·9	155	7·9	210	5·5	215	5·5	225	6·3	5·0	23
260	7·7	275	6·6	285	6·5	300	6·5	325	5·4	325	6·4	335	6·2	340	6·8	355	6·1	360	4·2	360	5·2	360	3·2	5·2	24
280	2·5	275	3·1	260	2·5	270	2·9	280	2·3	250	1·2	---	...	150	3·1	140	2·7	140	4·1	150	5·2	145	6·2	3·1	25
190	4·6	195	4·5	215	4·8	225	(3·0)	245	4·1	240	3·7	240	2·3	170	3·0	170	4·1	190	4·4	185	5·0	195	4·6	6·0	26
215	5·4	215	5·9	210	5·1	210	5·3	215	4·8	210	3·5	175	2·6	170	2·9	165	3·4	165	3·2	175	1·4	170	1·5	4·3	27
265	3·4	265	4·1	270	4·5	270	4·7	265	4·4	265	4·1	230	2·3	190	2·5	190	2·4	---	...	---	...	---	...	2·0	28
175	9·8	180	9·3	275	4·3	275	5·1	265	6·7	240	5·5	220	4·6	235	7·3	230	4·8	205	3·9	285	5·0	280	6·5	6·0	29
245	7·0	260	9·7	260	9·8	260	9·8	275	8·2	275	9·5	275	9·4	270	9·6	275	9·3	275	10·1	275	8·1	270	10·0	8·7	30
---	6·4	---	6·7	---	6·4	---	6·5	---	6·2	---	5·9	---	5·2	---	5·7	---	5·7	---	5·6	---	5·8	---	5·5	5·7	

OCTOBER, 1935

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	
325	8·2	315	7·6	315	7·5	325	7·8	320	6·3	315	4·0	300	2·9	290	2·1	190	2·3	180	3·1	220	4·7	180	4·8	6·9	1
255	6·7	235	7·9	280	5·6	285	7·4	285	6·9	230	4·9	230	4·5	220	5·4	185	4·3	225	5·1	180	4·0	165	4·2	6·6	2
360	4·7	325	4·0	360	3·5	355	3·8	350	3·7	60	2·7	80	1·8	30	2·7	65	4·6	30	3·9	25	4·0	20	4·0	4·2	3
360	8·8	350	12·9	350	13·2	350	12·7	350	12·5	345	12·5	340	10·9	350	9·1	5	9·0	355	6·7	10	7·4	10	9·2	8·8	4
340	8·6	340	7·9	335	7·9	330	7·7	315	6·9	320	5·5	325	2·3	350	4·4	350	4·1	355	4·5	20	4·0	15	5·5	7·4	5
350	7·2	340	6·1	5	4·7	355	6·3	350	6·0	345	5·6	355	5·4	360	2·6	30	1·0	---	...	60	1·2	---	...	4·8	6
190	8·2	185	8·7	185	9·6	190	9·4	190	9·2	190	10·0	195	9·6	195	10·0	200	11·8	270	6·1	260	6·1	270	7·6	5·7	7
260	8·0	270	9·7	260	7·7	255	8·2	255	8·1	275	6·9	260	8·3	265	6·4	260	6·5	220	4·5	225	5·3	235	6·2	6·8	8
235	4·0	220	4·2	225	3·9	170	2·4	140	3·7	165	8·2	230	12·6	320	8·4	325	6·4	320	7·6	305	6·5	310	6·0	5·9	9
275	9·5	270	9·4	280	8·0	270	9·0	275	8·2	265	8·4	255	7·4	270	4·8	275	3·1	265	2·8	260	6·2	285	3·5	7·5	10
275	(5·2)	280	4·5	275	(4·6)	275	5·0	280	5·1	285	4·7	270	4·1	265	5·1	285	5·4	265	5·3	285	4·0	290	4·3	4·1	11
225	5·2	225	6·4	230	6·0	230	5·4	230	5·6	220	4·6	200	4·2	210	5·2	200	5·0	210	5·8	205	6·0	195	5·5	4·5	12
190	12·5	190	12·1	205	12·0	225	9·7	230	7·9	235	6·4	250	5·4	280	4·1	265	3·6	265	3·1	290	2·8	280	3·4	8·3	13
205	4·4	200	4·5	185	4·1	205	3·5	190	4·0	175	4·5	175	4·1	185	4·8	180	4·8	185	4·5	185	6·5	180	6·6	3·8	14
200	10·6	200	10·6	200	9·4	200	9·4	205	9·5	205	8·9	215	8·5	225	7·7	225	6·8	230	5·6	230	5·4	225	3·5	8·1	15
320	5·1	325	5·2	315	5·1	315	4·4	300	3·1	305	3·2	---	...	---	...	180	2·0	180	1·6	150	1·4	170	4·2	3·0	16
230	7·3	240	7·4	250	8·1	260	7·0	260	5·5	260	5·9	265	5·1	260	5·5	260	6·9	260	6·2	270	6·0	255	6·9	6·0	17
205	11·1	205	11·4	205	12·7	210	13·4	210	14·6	215	14·9	220	15·0	230	13·9	275	9·7	275	12·1	270	12·0	280	11·6	9·7	18
315	11·5	315	(12·3)	315	(12·1)	320	(12·6)	320	12·2	320	12·7	325	11·9	325	12·5	330	12·0	330	12·7	330	12·2	330	12·7	11·9	19
5	7·7	345	8·5	355	7·6	350	9·4	345	9·4	350	7·4	360	5·6	355	5·9	350	7·0	5	4·8	355	4·5	360	5·1	7·9	20
215	4·2	270	3·6	265	2·9	285	3·2	285	3·5	300	2·8	330	2·5	350	1·4	340	3·5	5	3·2	325	1·1	---	...	2·8	21
280	6·6	270	4·7	290	2·2	290	2·0	280	1·9	275	1·7	265	1·5	---	...	170	(1·0)	185	(1·4)	205	(2·0)	175	(2·2)	3·0	22
270	8·6	295	7·9	295	7·8	320	6·4	305	3·8	285	6·6	290	7·2	295	6·9	295	7·2	295	6·7	295	7·1	290	5·5	6·5	23
265	3·4	220	4·0	225	3·8	200	3·6	170	3·7	175	3·5	165	4·1	165	4·3	175	5·0	160	6·0	165	5·4	160	3·9	3·6	24
320	4·9	310	4·8	315	4·0	310	3·0	290	1·8	250	1·7	215	3·0	230	3·5	180	4·1	170	2·6	185	1·7	255	1·8	4·0	25
220	2·5	250	5·4	270	3·0	275	3·3	265	5·0	260	6·0	260	6·0	255	7·0	260	7·3	250	6·9	245	6·3	250	7·9	3·9	26
260	8·9	255	11·2	260	10·4	260	10·0	260	10·2	260	9·8	260	10·6	260	11·4	260	12·2	260	10·4	260	10·2	265	11·5	9·5	27
270	6·5	265	7·4	265	7·0	265	7·7	265	7·7	265	7·1	260	6·9	250	8·4	245	8·9	250	9·9	245	9·6	250	10·2	7·7	28
295	9·9	290	10·0	280	9·9	290	10·3	285	11·1	280	9·0	275	10·4	285	9·4	270	10·2	265	10·5	265	10·1	265	9·3	10·1	29
230	13·5	230	12·9	230	12·9	240	12·6	245	9·0	270	9·7	270	10·6	255	8·5	275	9·0	270	9·4	250	9·9	270	9·2	10·7	30
230	10·6	225	11·2	235	10·9	240	10·3	235	8·1	240	8·6	230	7·0	225	4·2	195	5·0	205	5·0	190	5·6	195	4·5	8·3	31
---	7·6	---	7·9	---	7·4	---	7·3	---	6·9	---	6·7	---	6·4	---	6·0	---	6·1	---	5·8	---	5·8	---	5·9	6·5	
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

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	200	5·0	170	4·9	180	5·6	200	4·4	185	4·0	255	4·5	185	3·2	170	3·8	170	3·8	175	3·8	230	5·0	210	5·1
2	160	8·9	150	8·2	145	10·0	165	10·2	170	9·1	210	12·0	215	10·2	220	9·0	215	7·5	185	5·8	195	6·2	200	7·1
3	135	13·5	130	14·8	130	16·3	130	17·5	130	17·4	135	16·9	135	14·5	145	13·3	150	10·7	140	11·2	135	12·2	135	12·5
4	70	5·8	65	4·7	60	3·7	55	2·5	50	1·4	90	1·2	360	3·3	350	2·3	350	2·2	335	2·4	320	5·5	315	7·7
5	175	4·8	185	6·3	175	6·0	165	5·9	290	8·2	300	9·4	285	9·3	290	8·1	295	8·5	295	7·8	285	9·0	280	9·6
6	255	9·0	235	5·9	230	6·7	250	6·7	240	7·5	280	6·0	260	6·8	240	5·8	235	5·9	235	5·7	265	7·5	270	5·6
7	190	3·9	185	3·9	185	4·6	180	5·0	180	4·9	240	5·0	220	4·2	200	2·3	180	3·5	220	2·5	240	3·2	180	3·1
8	---	...	20	(3.3)	20	(4·9)	20	5·1	55	3·9	50	1·5	50	1·7	---	...	---	...	---	...	---	...	---	...
9	265	9·5	245	8·9	270	9·7	275	8·1	180	4·6	175	4·4	190	5·0	195	6·9	185	8·4	155	6·5	155	2·9	100	3·0
10	345	9·0	355	9·3	350	9·8	345	9·7	340	10·3	355	9·4	355	9·9	355	7·7	360	7·6	360	8·4	360	8·6	335	10·1
11	185	1·4	65	1·2	50	2·0	50	1·6	70	1·7	155	4·4	160	6·5	170	5·8	175	6·2	180	6·4	170	7·2	165	7·6
12	300	5·5	270	7·6	275	7·2	280	5·9	275	6·2	265	6·0	260	6·1	180	3·9	175	4·8	175	4·5	165	3·9	175	3·6
13	190	3·7	240	5·6	320	7·5	325	10·4	325	10·3	320	8·8	290	7·3	280	7·9	255	8·5	285	7·1	280	9·0	280	8·5
14	205	11·7	270	6·8	220	4·4	265	7·5	270	7·6	265	6·9	235	4·7	235	4·4	190	4·7	170	4·1	165	4·0	230	6·9
15	190	4·9	165	4·6	165	5·9	210	5·2	165	3·8	165	4·6	230	5·4	180	4·9	220	5·1	220	6·7	190	4·1	215	5·1
16	175	6·1	185	3·6	200	5·0	200	4·0	190	3·9	220	2·7	170	3·9	170	4·8	165	4·3	180	2·7	140	2·8	165	4·0
17	50	2·2	50	1·9	45	2·0	50	1·5	45	2·1	285	1·9	280	1·5	275	4·4	280	6·5	280	7·6	290	8·4	295	9·5
18	330	7·2	330	7·0	325	5·8	325	4·9	310	5·8	305	3·4	320	4·1	320	3·4	300	4·3	330	1·0	(280)	3·0	(275)	3·0
19	135	9·6	135	10·0	140	12·0	130	11·7	125	12·1	125	10·8	130	12·0	130	14·0	130	13·5	190	7·6	190	5·6	195	6·6
20	160	5·0	150	6·9	145	7·4	140	8·0	135	9·4	135	9·5	125	8·3	90	7·7	70	6·1	85	5·3	70	4·3	90	4·8
21	5	4·7	10	5·4	5	6·7	360	6·4	360	5·8	20	5·0	30	2·9	50	2·5	55	4·8	60	6·1	65	4·6	70	3·1
22	95	4·9	100	4·1	75	2·5	110	4·8	85	4·1	105	4·4	100	4·3	90	2·9	90	3·9	90	4·5	90	4·5	100	4·8
23	85	4·8	80	5·8	85	5·7	90	5·5	80	6·4	80	6·6	90	6·8	80	4·9	95	6·0	100	5·8	85	4·5	100	4·7
24	80	4·4	70	1·2	65	1·3	65	1·4	40	1·6	60	1·7	55	2·5	50	1·5	---	...	---	...	---	...	---	...
25	65	1·7	50	1·8	45	1·3	150	1·6	145	3·9	155	4·5	150	5·4	165	5·1	175	4·5	160	6·8	185	6·8	185	8·6
26	215	(9·2)	215	(9·0)	220	(10·2)	225	(9·9)	280	(7·8)	295	(7·6)	285	(6·3)	290	(7·3)	290	(6·0)	270	(7·2)	270	6·6	260	7·1
27	270	4·8	260	5·1	255	4·8	260	4·6	240	5·1	225	3·5	225	4·2	180	3·4	190	4·1	185	4·2	195	5·5	200	7·4
28	225	8·4	225	8·1	230	8·0	230	7·7	235	8·1	240	10·5	240	9·7	260	8·6	265	6·9	295	7·7	285	6·8	290	6·5
29	275	6·2	280	5·8	240	5·7	240	7·4	230	7·6	245	8·6	240	7·8	255	9·2	260	8·4	265	8·3	260	8·1	275	8·2
30	245	10·2	245	9·9	245	9·0	255	9·9	260	10·1	270	9·9	265	9·9	260	10·3	255	10·1	245	10·5	230	11·7	230	12·4
Mean	---	6·2	---	6·1	---	6·4	---	6·5	---	6·5	---	6·4	---	6·3	---	5·9	---	5·9	---	5·6	---	5·7	---	6·2

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	280	11·9	300	10·5	295	9·8	295	9·0	300	8·0	300	8·4	295	8·6	295	9·7	295	9·8	295	10·0	300	11·2	300	10·5
2	300	11·7	315	10·8	300	10·6	300	10·8	310	11·6	315	10·1	300	11·3	300	11·3	310	11·2	300	9·4	295	11·3	290	11·4
3	265	4·0	270	4·8	275	(4·0)	285	(4·0)	70	1·7	20	2·5	325	(2·5)	310	1·9	295	(4·5)	315	(4·0)	320	4·5	310	6·0
4	320	10·0	320	7·2	290	7·9	280	5·5	260	6·9	315	3·1	205	2·9	240	4·6	250	6·7	240	5·6	260	6·4	250	7·2
5	325	13·8	340	10·9	340	10·6	335	10·6	335	9·8	350	8·5	330	9·5	350	8·9	340	8·2	360	6·4	330	6·3	335	5·8
6	210	5·5	210	8·5	330	8·4	320	9·4	310	9·8	310	8·2	305	7·4	305	8·9	310	8·2	310	7·5	305	7·4	305	7·7
7	175	3·3	60	1·1	50	1·5	60	1·7	80	1·8	170	4·5	160	5·0	165	4·9	180	4·5	190	4·6	175	5·3	175	5·4
8	285	6·3	270	6·4	270	6·6	270	7·6	275	6·2	270	6·8	270	7·1	270	6·4	270	5·5	280	5·4	285	5·9	290	6·1
9	355	4·5	185	1·4	15	3·0	60	1·0	---	...	---	...	55	2·0	45	1·1	55	1·9	---	...	---	...	---	...
10	65	1·1	55	1·2	30	1·4	---	...	---	...	---	...	45	1·4	35	1·0	60	1·0	60	1·0	105	1·9	110	2·4
11	---	...	---	...	60	1·1	80	2·7	60	3·3	105	3·0	85	2·8	65	3·3	80	3·6	50	1·4	---	...	---	...
12	65	3·5	75	3·6	80	5·2	80	4·7	85	6·4	85	5·0	75	2·4	35	1·0	30	1·6	50	2·0	---	...	---	...
13	35	4·7	30	5·8	35	5·6	35	5·8	30	5·9	35	6·4	40	6·2	20	4·9	25	4·8	30	4·2	45	2·7	40	2·2
14	---	...	145	1·6	150	1·9	145	4·8	150	6·6	160	7·8	180	6·7	190	7·5	190	8·4	190	7·9	200	8·0	220	8·7
15	320	5·1	320	5·0	315	4·9	300	6·1	300	7·4	295	8·0	295	8·2	300	8·9	300	9·4	300	9·0	310	7·2	315	8·1
16	310	6·9	305	7·7	305	6·7	305	6·8	305	6·1	305	6·2	305	6·6	310	5·1	320	5·5	300	5·8	315	5·0	295	4·3
17	70	2·0	60	2·0	75	2·0	50	4·9	60	3·7	45	2·7	80	2·4	50	2·1	15	1·8	25	2·3	15	3·7	20	3·2
18	110	3·4	135	5·3	130	6·9	130	7·4	130	7·0	140	7·3	125	8·4	125	8·4	105	7·5	125	8·2	120	8·9	115	9·0
19	75	9·1	70	8·4	75	8·1	75	7·5	85	6·5	65	5·3	75	6·1	80	5·2	75	5·5	75	6·7	70	8·1	70	8·3
20	75	4·2	80	4·7	80	3·5	90	5·1	80	5·7	80	4·5	85	5·1	85	5·1	80	5·5	80	5·1	85	5·0	95	5·6
21	80	5·5	80	5·7	10	1·4	---	...	85	4·3	85	5·0	85	4·8	80	4·5	85	4·7	85	2·4	50	1·0	40	1·1
22	55	1·9	50	2·5	60	2·8	50	3·6	55	3·5	60	2·2	55	2·2	55	2·9	50	2·9	45	3·9	45	2·6	---	...
23	90	4·4	95	5·9	105	6·4	100	7·1	115	7·7	110	6·8	115	8·3	100	7·5	105	5·9	105	6·6	100	7·7	115	8·6
24	125	10·5	120	12·2	120	13·5	115	13·0	110	14·2	100	14·5	100	10·4	105	7·1	130	3·9	155	4·5	200	3·9	200	3·4
25	85	5·2	55	4·4	80	5·2	80	3·2	80	4·8	80	5·7	110	6·5	100	4·6	90	3·1	120	3·0	105	3·8	125	5·2
26	160	7·8	165	7·0	155	6·8	160	7·4	160	7·5	170	7·2	165	6·2	170	5·6	170	4·9	160	6·3	165	6·5	175	6·6
27	215	4·9	220	3·8	210	2·0	215	3·0	195	2·5	180	2·1	175	2·8	195	1·0	---	...	---	...	275	3·4	310	3·4
28	55	1·1	---	...	---	...	50	1·6	---	...	---	...	50	1·4	55	1·7	---	...	---	...	---	...	---	...
29	35	1·3	---	...	---	...	---	...	120	1·4	130	2·5	150	4·0	150	4·7	130	5·3	140	7·0	140	7·6	140	9·9
30	185	7·3	180	7·9	160	8·4	145	9·5	150	9·4	145	8·3	150	4·8	140	1·6	20	1·6	330	6·4	325	9·6	320	9·7
31	155	6·7	145	7·5	150	7·7	205	8·3	210	8·4	210	8·4	215	8·3	230	6·6	225	7·2	200	6·5	205	6·8	210	5·5
Mean	---	5·4	---	5·3	---	5·3	---	5·6	---	5·8	---	5·6	---	5·6	---	5·1	---	5·0	---	5·0	---	5·3	---	5·4
Annual Mean	---	5·2	---	5·1	---	5·2	---	5·2	---	5·2	---	5·1	---	5·2	---	5·3	---	5·4	---	5·7	---	5·9	---	6·2
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

NOVEMBER, 1935

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	
180	5·7	190	5·7	195	6·4	180	5·0	170	7·4	170	6·9	175	7·5	170	9·4	155	6·0	155	6·5	175	6·0	160	8·1	5·6	1
200	7·0	205	8·5	195	6·5	190	7·1	185	7·1	165	5·8	160	5·5	150	8·6	140	8·0	140	10·0	140	11·1	140	13·2	8·4	2
135	12·7	145	13·1	145	13·5	145	13·0	145	12·9	145	12·2	145	12·6	140	11·8	140	12·8	135	10·1	115	8·9	95	7·2	13·0	3
325	8·0	330	7·8	325	7·0	320	6·3	315	5·4	300	6·9	300	6·9	295	5·7	290	3·4	270	3·4	185	3·2	180	3·2	4·6	4
285	8·5	275	10·0	270	10·1	275	9·0	270	8·5	245	7·2	255	6·5	250	7·1	245	7·2	235	7·3	240	7·1	235	7·1	7·9	5
260	6·1	265	3·4	235	5·8	230	3·6	225	4·2	180	4·5	190	4·1	195	3·9	175	3·4	165	3·7	175	4·0	200	3·6	5·4	6
250	5·6	230	6·0	225	4·8	240	5·9	200	4·2	210	4·4	185	3·9	190	2·5	170	1·3	---	...	20	(2·5)	---	...	3·7	7
180	2·4	220	3·8	200	5·4	180	6·2	175	7·5	195	7·8	190	7·8	330	6·0	295	7·2	295	8·0	290	7·4	275	8·3	4·2	8
75	2·7	45	5·1	40	6·2	15	6·2	5	7·7	5	7·5	355	7·4	350	8·9	5	9·0	355	8·5	360	9·7	350	9·2	6·9	9
340	10·1	335	11·1	340	9·7	335	8·6	340	8·0	340	6·6	340	5·4	330	4·0	330	3·1	315	4·2	300	2·4	300	1·0	7·7	10
160	7·6	160	6·1	325	9·2	320	9·4	325	10·5	330	9·2	325	8·9	305	9·1	295	9·0	315	7·0	310	6·5	300	4·4	6·2	11
215	4·9	215	5·5	205	5·5	200	6·2	210	4·6	175	5·8	205	5·5	210	7·2	195	5·2	180	5·5	165	7·0	190	5·7	5·6	12
280	7·8	270	6·9	265	6·8	250	6·7	235	6·0	225	4·8	225	5·9	210	6·8	200	6·6	200	8·1	200	9·9	205	10·9	7·6	13
210	5·7	195	6·9	200	6·6	215	6·0	190	5·7	175	5·5	210	7·1	215	5·8	190	6·1	210	4·9	185	3·6	220	5·0	5·9	14
210	4·2	175	3·7	230	6·5	220	5·4	230	4·9	180	4·8	175	3·8	175	4·3	180	3·6	190	4·0	200	5·0	210	6·5	4·9	15
155	5·0	175	4·7	185	4·1	190	2·4	200	2·2	165	1·3	50	1·5	50	1·6	55	1·7	55	1·8	60	1·1	55	1·0	3·2	16
305	8·2	310	9·2	320	10·4	335	9·9	345	9·2	350	6·4	330	5·6	330	5·8	330	5·9	325	7·1	330	7·3	325	7·7	5·9	17
270	3·1	250	3·5	230	2·9	205	2·0	185	3·6	130	4·1	135	5·0	140	5·0	145	6·0	140	7·5	140	7·0	135	7·2	4·6	18
190	9·4	180	11·5	230	10·0	235	7·3	235	5·3	210	4·4	205	5·1	170	4·8	175	4·8	190	5·1	180	5·1	160	5·6	8·5	19
100	7·0	60	4·7	70	4·1	45	3·4	65	4·6	85	4·4	60	4·3	55	6·2	10	3·4	5	(2·7)	40	(1·4)	10	3·4	5·5	20
65	2·6	100	3·3	105	3·4	110	3·2	100	4·5	115	6·5	110	6·3	120	4·7	105	5·7	90	4·8	95	6·5	110	7·1	4·9	21
105	5·2	100	5·3	100	6·8	100	5·8	110	6·2	95	3·9	85	3·0	80	3·6	75	4·5	80	3·1	80	3·9	105	3·5	4·4	22
90	5·5	90	5·0	75	5·3	80	6·8	75	5·0	75	5·6	75	5·8	75	6·6	70	6·5	75	1·4	75	2·8	70	2·1	5·2	23
60	(1·2)	80	2·5	80	2·0	95	3·4	85	3·4	45	2·1	---	...	---	...	55	1·1	55	2·0	25	2·3	45	2·1	1·7	24
185	8·2	200	7·0	210	7·2	210	7·0	210	8·1	210	9·2	220	9·2	220	8·8	215	9·0	215	10·0	220	9·8	230	11·3	6·5	25
260	6·7	265	7·9	265	9·0	270	7·1	270	7·4	270	7·3	270	6·8	265	7·3	265	6·6	260	5·2	285	4·9	280	5·1	7·3	26
200	7·7	190	7·0	180	6·9	165	8·6	200	6·6	215	7·4	220	7·1	215	8·2	225	9·3	225	7·7	225	8·2	225	8·6	6·3	27
285	7·1	270	5·2	275	5·0	280	5·6	280	4·3	290	4·6	285	4·7	285	4·7	275	5·1	265	6·0	270	5·5	270	5·2	6·7	28
265	9·6	270	9·4	275	10·3	275	9·2	265	9·3	255	8·0	260	9·3	265	10·5	270	9·0	265	10·3	260	12·8	260	11·1	8·8	29
225	13·6	230	15·1	240	16·1	260	16·2	270	12·5	280	11·9	280	9·9	270	11·7	275	11·9	275	11·6	280	11·6	275	10·5	11·5	30
---	6·6	---	6·8	---	7·1	---	6·7	---	6·6	---	6·2	---	6·1	---	6·4	---	6·1	---	5·9	---	6·1	---	6·2	6·3	

DECEMBER, 1935

°	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	11·0	300	11·8	300	11·7	295	11·9	300	11·8	295	12·1	305	11·7	300	12·1	305	13·1	300	12·5	305	12·1	300	11·4	10·9	1
295	11·3	300	11·0	300	10·4	305	9·4	305	8·5	310	7·7	300	7·2	300	6·6	295	7·0	310	6·1	295	4·8	290	5·0	9·4	2
325	6·1	330	7·7	330	6·8	345	8·6	15	7·4	355	5·2	325	6·7	320	8·8	320	9·0	330	10·8	360	8·2	320	9·8	5·8	3
235	7·1	275	9·5	270	9·0	295	9·3	305	6·4	305	7·5	320	6·6	320	9·4	340	11·5	330	11·6	335	10·8	325	13·0	7·7	4
320	5·5	315	3·7	295	4·6	300	4·4	295	4·6	325	5·1	280	3·5	275	3·2	185	2·7	185	3·2	185	4·6	210	6·5	6·7	5
310	6·6	300	7·9	305	7·6	310	6·8	310	7·0	320	5·5	305	6·0	320	4·4	305	4·0	305	4·1	300	2·0	180	3·0	6·7	6
190	5·5	305	5·5	305	6·9	305	5·8	305	5·1	285	3·7	260	3·8	280	4·8	290	6·9	290	6·3	290	6·1	265	5·0	4·5	7
275	6·0	280	7·2	280	6·1	300	6·6	300	6·0	295	6·1	300	7·1	310	6·1	320	5·8	335	4·2	355	4·0	350	5·7	6·1	8
95	1·8	110	2·3	170	1·5	---	...	---	...	60	1·6	50	2·5	55	1·3	75	1·2	---	...	45	1·0	55	1·6	1·4	9
315	1·2	95	2·0	85	2·7	90	2·8	30	1·2	40	1·0	55	1·5	---	...	20	1·2	---	...	45	1·6	---	...	1·3	10
---	...	---	...	---	...	65	1·3	320	1·3	340	1·0	80	3·9	50	4·0	65	3·9	80	4·7	75	4·3	80	3·8	2·2	11
70	2·0	40	3·1	50	4·5	45	3·6	40	3·2	40	3·6	30	4·2	30	6·5	30	6·2	30	5·2	30	5·3	35	4·7	3·7	12
20	2·6	10	2·9	10	2·6	40	1·7	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	3·0	13
230	7·9	295	4·5	320	5·6	320	4·3	320	5·3	320	5·4	330	4·4	325	4·7	320	7·4	320	7·0	320	6·3	330	6·6	5·8	14
320	8·2	310	9·1	305	8·4	305	9·4	300	8·1	300	9·3	300	9·1	300	10·1	305	9·2	300	9·6	305	7·4	300	7·9	8·0	15
290	3·8	300	3·1	295	3·1	305	1·4	---	...	65	1·2	50	1·8	40	2·0	30	1·1	75	2·6	80	3·7	75	2·3	4·1	16
355	2·9	325	3·4	330	2·5	360	2·0	85	2·2	---	...	50	1·3	55	1·9	45	2·2	190	1·7	60	1·1	---	...	2·3	17
115	10·1	105	11·7	90	10·8	105	14·4	100	11·3	75	9·1	70	8·4	65	8·1	65	6·8	60	8·6	65	8·6	70	8·9	8·5	18
80	6·8	85	6·1	75	4·7	65	5·3	55	5·1	55	4·4	60	2·4	75	2·2	75	1·9	85	4·4	85	4·4	80	4·8	5·7	19
90	5·5	80	5·2	80	5·7	75	5·4	80	4·5	95	4·0	85	4·2	75	3·6	30	1·8	75	3·8	75	4·3	75	4·4	4·6	20
---	...	155	2·4	140	3·4	135	3·8	110	3·6	110	3·0	40	1·8	40	2·5	110	1·8	60	1·1	40	2·9	55	2·5	2·9	21
90	2·5	90	3·5	90	1·9	85	3·1	90	2·7	20	1·7	55	1·8	30	2·7	360	1·0	20	1·1	---	...	90	1·2	2·3	22
125	9·3	130	12·4	135	10·1	135	10·5	135	10·9	130	12·0	135	11·4	135	14·3	130	13·2	130	12·6	130	11·9	135	11·6	9·3	23
190	3·8	180	4·7	180	4·8	160	3·9	140	4·4	140	5·0	125	3·9	90	3·4	90	4·7	80	5·5	75	6·0	90	5·2	6·9	24
125	3·7	125	6·3	125	5·8	150	5·2	140	6·0	145	6·5	145	6·6	140	6·5	150	8·0	150	8·1	140	9·1	160	7·7	5·6	25
205	6·5	205	6·5	215	6·4	220	6·5	220	5·7	215	5·6	225	7·3	225	6·4	220	4·9	220	4·8	215	4·8	210	4·1	6·2	26
170	1·3	185	1·2	200	1·5	---	...	180	1·8	165	1·0	60	1·1	55	2·0	55	1·0	60	1·3	---	...	---	...	1·8	27
30	1·1	335	1·2	175	1·1	---	...	175	1·2	---	...	55	1·3	50	1·5	---	...	50	1·7	45	2·1	40	2·4	1·0	28
150	10·7	140	10·2	140	13·4	140	14·2	180	10·0	210	10·2	220	11·1	220	10·2	200	8·1	200	8·2	200	7·5	185	7·2	6·9	29
320	9·5	310	7·0	315	6·2	300	4·7	275	2·2	215	2·0	255	4·5	255	6·9	235	4·5	215	4·4	200	4·9	185	5·8	6·1	30
175	5·0	185	7·0	195	7·0	190	6·8	185	5·9	185	4·0	165	4·8	175	4·1	155	5·5	150	5·9	150	6·0	135	4·5	6·4	31
---	5·4	---	5·8	---	5·7	---	5·6	---	5·0	---	4·7	---	4·9	---	5·2	---	5·1	---	5·2	---	5·1	---	5·1	5·3	
---	6·4	---	6·6	---	6·6	---	6·5	---	6·2	---	6·0	---	5·7	---	5·5	---	5·3	---	5·2	---	5·1	---	5·2	5·6	
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

0 - 1h 1st Jan.1936 95 4·7

425. VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres 1935

Day	Jan. Max. in a Gust	Jan. Time of Gust	Feb. Max. in a Gust	Feb. Time of Gust	Mar. Max. in a Gust	Mar. Time of Gust	Apr. Max. in a Gust	Apr. Time of Gust	May Max. in a Gust	May Time of Gust	June Max. in a Gust	June Time of Gust	July Max. in a Gust	July Time of Gust	Aug. Max. in a Gust	Aug. Time of Gust	Sept. Max. in a Gust	Sept. Time of Gust	Oct. Max. in a Gust	Oct. Time of Gust	Nov. Max. in a Gust	Nov. Time of Gust	Dec. Max. in a Gust	Dec. 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	17	8 10	19	14 30	30	17 40	15	17 40	13	6 55	19	18 30	11	15 40	10	18 05	11	15 05	19	3 55	17	19 50	33	18 55
2	8	0 35	19	0 55	20	0 10	15	0 15	13	3 10	20	13 45	8	17 00	11	7 00	14	14 15	17	1 40	26	23 15	27	0 35
3	13	19 50	22	14 50	19	6 10	9	17 20	17	12 40	17	10 45	15	23 15	9	15 00	9	10 20	11	9 00	33	6 45	21	23 25
4	13	20 50	20	2 30	14	12 35	18	14 55	12	13 30	14	6 10	14	2 45	9	13 55	11	10 35	21	13 50	15	12 10	23	15 55
5	20	18 40	25	19 50	11	0 40	18	13 30	8	12 40	11	13 20	12	11 10	7	1 05	9	16 05	18	2 10	20	11 20	23	0 05
6	19	1 20	20	1 30	11	20 45	15	15 30	7	15 20	21	6 55	9	16 35	7	14 45	10	23 00	14	11 50	16	0 25	24	1 40
7	5	9 25	7	11 55	19	13 25	17	0 30	7	11 30	20	23 50	17	23 20	8	21 30	17	22 05	20	20 45	13	15 15	15	20 45
8	15	9 40	5	23 50	21	12 05	22	18 50	12	14 30	17	1 50	19	1 15	13	9 30	18	0 15	18	19 05	16	20 45	14	4 05
9	9	22 25	7	23 45	21	13 45	28	23 25	13	12 00	22	13 05	17	9 45	10	17 30	12	19 55	21	17 50	20	24 00	9	0 00
10	20	22 25	13	11 55	15	23 45	28	14 15	13	7 55	13	0 00	9	13 55	15	13 45	17	11 35	20	7 05	21	2 10	6	10 55
11	31	6 35	22	15 15	17	7 00	15	6 35	13	14 20	19	5 50	7	13 55	12	7 25	15	0 35	14	3 15	19	16 45	9	5 05
12	27	0 15	19	19 15	14	22 40	13	20 40	10	13 10	13	17 30	12	17 45	22	1 15	14	15 45	13	1 00	15	5 50	11	19 55
13	21	12 25	18	5 55	15	5 10	15	21 30	10	10 35	17	15 15	16	3 40	11	0 40	23	22 45	21	10 40	20	2 50	11	6 00
14	14	2 15	14	7 35	15	21 10	21	9 30	12	11 55	10	13 10	13	2 20	8	0 30	24	23 10	13	23 55	21	1 00	15	11 55
15	11	11 40	23	20 00	20	13 15	12	19 40	20	21 00	13	9 20	9	12 15	14	13 25	25	9 05	18	12 55	14	14 30	21	19 50
16	11	0 25	30	15 20	19	16 35	19	20 00	14	10 35	12	4 00	12	17 15	9	0 30	30	21 10	10	10 10	12	0 05	20	1 15
17	8	17 20	17	14 30	18	2 40	20	14 10	23	10 45	16	15 10	10	11 40	9	8 55	22	22 10	13	15 05	22	12 45	9	4 40
18	12	22 15	25	22 35	20	17 45	13	14 30	17	0 05	14	2 35	12	9 05	9	17 20	28	23 15	28	17 10	18	23 40	23	15 40
19	11	8 05	26	22 40	22	6 55	12	0 25	17	1 10	16	23 20	16	9 30	12	17 10	23	1 50	25	17 45	25	7 05	15	1 05
20	9	10 15	25	3 05	12	15 45	7	12 10	15	13 25	20	3 45	18	1 25	16	14 55	9	9 50	22	2 35	19	5 20	13	11 25
21	11	11 05	27	4 30	13	11 30	15	21 35	17	17 05	19	3 30	13	15 10	17	1 45	10	8 25	9	0 25	14	23 10	9	1 10
22	5	1 35	19	4 10	21	13 25	21	13 30	11	17 40	13	2 35	13	22 45	19	9 20	13	15 05	11	12 10	13	14 05	7	23 50
23	10	17 55	18	21 25	22	6 15	14	0 35	17	10 30	11	15 20	12	9 25	12	21 25	16	19 15	17	14 25	13	6 30	25	17 55
24	21	21 55	18	13 15	15	12 00	12	10 00	13	14 35	18	22 50	14	9 25	15	17 50	13	13 20	13	2 25	8	0 05	25	4 30
25	37	14 10	28	6 20	14	1 20	11	12 55	13	15 20	20	1 50	11	13 55	16	2 25	11	4 55	13	6 05	19	23 35	17	22 30
26	27	0 20	30	18 05	9	0 25	8	9 40	10	14 55	11	0 20	10	18 45	17	18 15	15	2 35	14	23 45	20	2 25	15	18 30
27	16	3 35	27	10 40	6	13 35	8	17 00	7	14 15	12	14 05	15	14 55	15	10 00	10	11 15	21	20 35	15	20 10	9	4 00
28	8	19 25	19	0 10	7	13 25	6	14 10	9	14 10	12	19 00	11	19 00	15	15 15	7	16 10	17	23 25	19	7 05	4	22 30
29	9	7 25	-	- -	5	16 25	8	23 30	11	12 20	15	9 35	10	15 25	17	16 15	17	11 20	23	17 00	23	12 55	27	14 55
30	15	19 15	-	- -	7	15 00	12	17 35	6	11 10	9	15 00	6	15 10	12	0 45	21	13 35	23	15 15	32	15 05	18	4 55
31	13	15 10	-	- -	9	13 05	-	- -	12	17 55	-	- -	7	17 40	9	15 15	-	- -	20	11 30	-	- -	17	2 35

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

426. VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres 1935

MONTH	DISTRIBUTION OF WIND SPEED: More than 17·1 m/s. Dates of Occurrence	More than 17·1 m/s. Duration	10·8 to 17·1 m/s. No. of Days	10·8 to 17·1 m/s. Duration	5·5 to 10·7 m/s. Duration	1·6 to 5·4 m/s. Duration	Less than 1·6 m/s. Duration	No Record Duration	EXTREME VELOCITIES: Highest Hourly Wind Veer From N.	Highest Hourly Wind Speed	Highest Hourly Wind Mid Time day	Mid Time h	Highest Gust Speed	Highest Gust Dates day	Dates h	Dates m
		hr		hr	hr	hr	hr	hr	°	m/s	day	h	m/s	day	h	m
Jan. ..	11th,25th	7	9	78	205	333	121	0	330	18	25	19	37	25	14	10
Feb. ..	16th	1	19	156	306	164	45	0	245	18	16	15	30	16	15	20
Mar. ..	-	-	7	51	373	273	47	0	300	15	1	17	30	1	17	40
Apr. ..	-	-	9	60	287	289	84	0	220	16	10	15	28	9	23	25
May ..	-	-	2	19	233	304	188	0	5	14	15	21	23	17	10	45
June ..	-	-	7	24	410	237	49	0	185	13	9	13	22	9	13	05
July ..	-	-	-	-	288	358	98	0	345	11	20	2	19	8	1	15
Aug. ..	-	-	1	5	263	362	114	0	35	12	12	8	22	12	1	15
Sept. ..	16th	1	7	62	271	294	92	0	330	17	16	22	30	16	21	10
Oct. ..	-	-	13	77	368	258	41	0	220	15	18	19	28	18	17	10
Nov. ..	2nd	2	9	47	371	263	37	0	130	17	4	3	33	3	6	45
Dec. ..	-	-	9	53	293	283	115	0	100	15	24	6	33	1	18	55
Year ..	5 days	11	92	632	3668	3418	1031	0	330	18	Jan. 25	19	37	Jan. 25	14	10

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. 1935

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

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

428. VALENTIA OBSERVATORY 1935

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	82·9	77·2	75·8	78·9	82·3	80·2	79·6	82·1	82·4	81·7	75·3	78·9
2	82·3	82·1	77·9	75·9	83·9	81·0	86·3	84·2	84·0	82·1	78·3	75·2
3	81·3	80·8	77·9	73·6	83·0	80·4	84·3	80·3	82·4	77·9	79·5	75·6
4	78·3	82·7	73·2	76·8	80·2	80·9	87·6	81·8	81·8	77·7	80·7	73·2
5	77·9	77·0	76·3	77·2	80·3	82·7	86·6	87·0	83·1	78·6	80·0	74·3
6	77·3	77·6	78·6	77·1	75·2	81·8	85·1	87·5	80·9	79·2	76·1	77·6
7	67·7	70·1	76·9	76·4	76·9	80·4	81·9	84·2	86·6	74·6	75·9	76·1
8	70·9	67·7	76·1	75·8	81·3	79·9	86·2	88·0	86·8	79·4	74·2	78·7
9	71·5	68·2	73·3	79·8	-	79·4	84·7	82·4	83·4	78·7	77·0	76·4
10	78·4	74·2	73·1	79·1	-	81·9	81·0	86·3	86·4	79·7	78·6	69·1
11	79·0	79·8	71·3	76·7	75·6	83·2	78·9	88·8	86·3	77·9	75·2	68·7
12	76·4	78·9	74·7	71·7	75·7	80·3	77·4	84·1	84·1	79·7	74·1	76·7
13	81·4	80·8	78·1	76·9	78·4	78·5	83·4	84·8	83·6	82·6	75·2	77·3
14	80·9	78·7	74·8	75·9	77·7	78·0	84·7	82·4	84·6	83·3	77·1	74·3
15	78·1	78·7	76·4	76·9	73·7	80·1	78·7	85·3	83·2	83·0	74·2	77·6
16	80·2	83·8	79·2	75·7	77·6	82·4	85·7	88·2	82·4	84·6	73·3	75·8
17	79·9	78·6	79·1	76·9	77·4	80·2	83·3	88·6	81·9	77·9	72·1	73·0
18	75·9	80·2	80·2	79·6	73·1	85·2	84·3	86·7	82·1	84·1	77·8	71·2
19	72·2	80·4	81·9	76·6	80·2	86·3	83·7	86·3	85·1	80·8	75·7	78·3
20	77·3	81·3	78·7	74·6	79·3	85·8	84·2	88·4	80·8	76·9	74·6	70·3
21	76·2	76·8	79·7	74·3	78·6	85·9	83·2	84·2	80·7	77·5	73·6	68·6
22	70·9	76·4	78·6	79·3	74·1	86·4	87·2	82·4	80·2	78·3	73·1	68·9
23	76·9	71·8	79·6	79·8	76·5	78·7	87·5	80·1	78·0	83·9	77·3	72·3
24	78·0	74·1	81·6	72·9	75·3	78·6	84·8	85·2	83·6	76·3	71·2	76·5
25	79·8	75·6	80·7	72·8	77·6	84·8	78·8	83·8	80·6	79·6	70·5	76·9
26	77·6	67·3	81·8	74·7	83·4	85·8	81·7	83·6	78·7	82·3	78·4	80·6
27	77·2	74·8	76·3	76·9	74·0	83·7	88·0	81·1	84·8	84·0	78·0	78·7
28	73·8	77·0	75·2	74·7	77·0	86·4	87·8	80·6	83·0	85·4	82·6	72·5
29	78·8	-	74·7	75·2	77·1	85·1	86·3	78·7	77·5	85·4	78·4	72·3
30	76·1	-	79·8	81·6	78·0	79·0	78·7	82·1	79·0	79·6	78·1	78·3
31	77·1	-	76·8	-	84·1	-	80·9	78·1	-	76·9	-	78·7
Mean	77·2	76·9	77·4	76·5	78·2	82·1	83·6	84·1	82·6	80·3	76·2	74·9

Mean for May is for 29 days only.

Annual Mean 278·8.

429. VALENTIA OBSERVATORY JANUARY, 1935

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	St	St	10	10	10	10	10	10	J	J	I	I	h	I	d$_0$	d$_0$	d$_0$	...	d	●^{0}	cp●^{0}, oid$_0$ *a* : oid$_0$ *p* : oi●^{0}, id$_0$ *n*.
2	St	St	St	10	10	9	9	10	10	I	F	J	J	J	I	d$_0$	d$_0$	...	...	...	d$_0$	oid$_0$, c *a* : c, o *p* : oid$_0$, o *n*.
3	St	St: Stcu	St	10	6	10	9	10	7	I	1	1	1	J	J	...	...	...	...	...	...	oid$_0$, p●^{0}, bc *a* : c, o *p* : op●^{0}, bc *n*.
4	St: Stcu	Cu: Stcu: Ci	Stcu: Ci	7	5	6	9	9	6	k	1	1	1	1	1	...	...	...	...	...	...	⌓ early, c, bc *a* : bc, c *p and n*.
5	Stcu	Cu: Stcu: Ci	Cunb: Cu	10	10	7	10	5	7	k	I	1	J	k	k	...	d$_2$	...	●^{0}	...	...	c, oid$_2$d$_0$ *a* : cp●^{0}● *p* : bc, cp●^{0}● *n*.
6	Stcu	Cu: Stcu	Stcu	7	8	4	5	1	0	k	1	1	m	1	1	...	...	...	...	...	...	cp●ш, bc(), *a* : bc(), b *p* : bc⌓, b⊔ *n*.
7	St: Stcu	St: Stcu	St: Stcu	10	9	9	9	9	6	k	m	m	1	1	k	...	...	...	...	...	...	c⊔ early *a* : cloudy *p* : c, bc⌓ *n*.
8	St: Stcu	St: Stcu	St: Acu: Cicu: Ci	10	9	9	9	6	3	1	1	h	1	1	J	...	...	d	...	...	...	b⊔ early, cp●^{0} *a* : cidd$_2$, bc *p* : bcp●^{0} *n*.
9	St: Stcu: Acu	Stcu	Stcu	2	9	9	9	9	9	1	1	1	m	m	1	...	...	...	...	...	...	bc⊔, c *a* : cloudy() *p* : cloudy *n*.
10	Stcu	St: Stcu: Ci	St: Stcu	3	9	9	9	10	9	1	1	1	k	k	1	...	...	...	d$_0$	...	...	bc, c *a* : c, cid$_0$ *p* : cid$_0$, cp●^{0} *n*.
11	St: Frnb	Cunb: Frnb: Stcu	Cunb: Frnb	10	9	6	9	10	10	J	k	1	k	k	k	●	▲	...	...	...	●	ci●^{0}●ш, cp▲q *a* : bc, cp▲q *p* : cp●q, bc *n*.
12	Cunb: Frnb	St	St: Frnb: Nbst	8	9	10	10	10	10	k	k	h	J	J	h	...	...	d$_2$	...	...	●^{0}	cp▲^{0}●^{0}ш, oid$_2$ *a* : oid$_2$, c *p* : ci●^{0} *n*.
13	St: Frnb	St	St: Stcu	10	10	10	10	10	9	J	J	I	I	J	J	d$_0$	...	...	...	...	...	ci●^{0}, oid$_0$ *a* : oi●^{0}d$_0$, c *p* : ci●^{0}, c *n*.
14	St	St: Stcu	St: Stcu	10	10	9	9	9	9	J	I	1	1	1	1	...	d$_0$	...	...	...	...	c, oidd$_0$, c *a* : c, cid$_0$ *p* : c, bc ⌓ *n*.
15	St: Stcu	Cu: Stcu: Ci	St: Stcu: Ci	10	8	7	9	9	9	k	1	m	m	m	1	...	...	...	...	...	...	c, bc *a* : cloudy *p and n*.
16	St: Stcu	St: Stcu	St: Stcu	7	10	9	9	10	10	1	1	1	1	1	1	...	...	...	...	...	...	cloudy throughout.
17	St: Stcu	St: Stcu	St: Stcu	10	9	9	10	10	10	1	1	1	1	1	k	...	...	...	...	...	...	cloudy throughout.
18	Stcu: Acu	Cu: Stcu	St: Stcu	4	3	2	7	9	3	1	k	1	1	k	J	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c, bc *n*.
19	St	St: Stcu	St: Stcu	10	10	10	10	10	10	I	J	J	J	J	J	...	...	...	...	...	...	bc, c *a* : cloudy *p and n*.
20	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	10	J	J	J	J	I	I	...	...	...	...	...	...	cloudy *a* : c, cz$_0$ *p* : cz$_0$ *n*.
21	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	3	I	I	J	k	k	k	...	...	...	...	...	...	czo *a* : cloudy *p* : c, bc⊔ *n*.
22	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	10	J	J	J	k	k	J	...	...	...	...	...	...	bc⌓, c *a* : cloudy *p and n*.
23	St: Stcu	St: Stcu	Stcu	10	10	10	9	9	10	J	J	k	k	k	k	...	...	...	...	...	...	cloudy throughout.
24	St: Stcu	St: Stcu	St: Stcu	10	9	10	10	10	10	k	k	k	J	k	J	...	...	...	...	...	...	cloudy *a and p* : ci●^{0}, c *n*.
25	St: Stcu	Cunb: Frnb	Cunb: Frnb	10	9	9	9	9	9	J	J	J	J	J	J	●^{0}	●^{0}	...	●^{0}	●^{0}	●^{0}	ci●^{0}ш, cp●^{0} *a* : cp▲^{0}ш, cp●^{0} *p* : cp▲^{0}●^{0}ш, [cp▲●q *n*.
26	Cunb: Frnb	Cunb: Stcu	Cu: Stcu	8	9	7	9	5	5	k	1	1	1	1	1	...	...	...	...	...	...	cp▲●q, bcy *a* : cp●^{0}, bcy *p* : bcy *n*.
27	St: Stcu	St: Stcu	St: Stcu	7	8	9	7	9	10	1	1	m	m	m	1	...	...	...	...	...	...	cy, bc *a* : c, bc *p* : cloudy *n*.
28	St: Stcu: Acu: Ast	St: Stcu: Ci	St: Stcu	10	10	9	9	10	10	k	1	1	k	J	J	●^{0}	...	...	...	...	d$_0$	ci●^{0}, c *a* : cloudy *p* : c, cid$_0$ *n*.
29	St	Ci	Frst: Acu: Ci	6	1	3	5	7	6	J	m	m	m	m	J	...	...	...	...	...	...	c●^{0}, b() *a* : bc(), c *p* : c, bc *n*.
30	St	St	St: Stcu	10	10	10	10	9	7	I	E	F	G	J	k	d$_0$	d	d	...	...	...	c, od$_2$df *a* : od, c *p* : cid$_0$, c *n*.
31	Stcu	St: Stcu	St: Stcu	3	9	10	9	7	3	1	1	1	k	k	k	...	...	●^{0}	...	...	...	cp●^{0}, bc, c *a* : cp●^{0} *p* : cp●^{0}, bc *n*.
Mean Cloud Am'nt.				8·5	8·6	8·4	9·0	8·7	7·7													

430. VALENTIA OBSERVATORY FEBRUARY, 1935

Day	Cloud Forms 7h	Cloud Forms 13h	Cloud Forms 18h	Cloud Amount 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: Frnb	St	10	10	10	10	10	10	J	J	I	J	h	h	...	...	...	...	d	●^{0}	cp●^{0}, c *a* : cidd$_2$ *p* : oi●^{0}, oid *n*.
2	St	St: Stcu	St: Stcu	10	10	10	9	10	10	h	G	J	k	J	I	d	d$_0$	...	...	...	d$_0$	odd$_0$ *a* : od$_0$, c *p* : oid$_0$, oi●^{0} *n*.
3	St	St	St: Stcu	10	10	10	10	10	10	I	J	J	I	J	J	d$_0$	...	...	...	...	...	oid$_0$, c *a* : oid$_0$, c *p* : cloudy *n*.
4	St: Frnb	St: Stcu	St: Stcu	10	10	10	10	9	9	I	J	1	k	k	k	●^{0}	...	...	●^{0}	...	●^{0}	c, o●^{0}, id$_0$ *a* : ci●^{0}, c *p* : cp●^{0}, bc *n*.
5	St: Stcu	St: Stcu	Cunb: Frnb: Ci	3	2	10	10	9	7	1	1	k	J	k	1	...	...	●^{0}	●^{0}	...	...	bc, ci●^{0} *a* : c●^{0}, c *p* : cp▲^{0}●^{0}ш, c *n*.
6	Cunb: Stcu	Cu	Frcu: Ci	7	3	3	2	2	3	1	1	m	m	m	m	...	...	...	...	...	...	c, bc *a* : bc, b() *p* : bc(), b⌓ *n*.
7	---	Acu: Ci	Acu	0	0	3	8	9	7	1	m	m	m	m	k	...	...	...	...	...	...	b⊔, bcy *a* : bcy, c *p* : c, b⌓ *n*.
8	---	Ci	Acu	0	3	2	2	1	0	k	k	1	1	1	J	...	...	...	...	...	...	b⊔, bc *a* : bcy, b *p* : b⌓, b⊔ *n*.
9	---	Cu: Stcu: Acu: Ci	Cu: Stcu: Cist:Ci	0	1	1	6	7	10	1	1	1	1	k	k	...	...	...	...	...	...	b⊔, b *a* : bcy, c *p* : bc⌓, o *n*.
10	St: Stcu	Frst: Stcu	Frst: Stcu: Nbst	10	10	10	10	10	10	k	k	1	1	k	k	...	...	...	...	...	...	cloudy throughout.
11	Frst: Stcu	St: Stcu: Ast	St: Frnb	10	10	10	10	10	10	k	J	k	J	J	J	...	...	...	...	●^{0}	...	ci●^{0}, c *a* : c, ci●^{0} *p* : ci●^{0} and p●^{0}, bc *n*.
12	Frnb: Stcu	Frst: Cu: Ci	St: Stcu	9	3	5	7	10	10	J	1	1	1	k	I	...	...	...	...	●^{0}	d	cp●^{0}, bc *a* : bc, ci●^{0} *p* : c●^{0}, od, c *n*.
13	Frnb	St: Stcu	Cu: Stcu: Acu	10	10	10	9	6	7	h	J	k	k	k	J	●^{0}	...	...	...	...	...	c, o●●^{0}, cid *a* : cid, bc *p* : bc, c *n*.
14	Cu: Stcu	Cu: Ci	St: Stcu: Ast	3	9	3	9	10	10	k	1	1	1	1	1	...	●^{0}	...	...	...	...	cp●●^{0}, bc *a* : bc, c *p* : cloudy *n*.
15	Frnb	St: Frnb	St	10	10	10	10	10	10	h	I	I	I	h	I	●^{0}	...	d	d	d	d$_0$	c●●^{0}, cid *a* : odd$_0$ *p* : od, id$_0$ *n*.
16	Frst: Frnb	St: Frnb: Acu	St: Cu: Frnb	10	10	9	8	7	1	h	h	k	J	J	J	d$_0$	●^{0}	...	...	...	...	oid$_0$●^{0}ш *a* : ci●^{0}, cp●●^{0}ш *p* : cp●^{0}, b, cp●^{0} *n*.
17	St: Frnb: Stcu	St: Stcu: Acu: Ci	St: Cu: Acu: Ci	9	5	5	9	7	9	J	1	k	k	k	k	...	...	...	...	...	...	cp●^{0}, bc *a* : bc, c *p* : cp●^{0} *n*.
18	St: Frnb	St	Frnb: Stcu	10	10	10	10	9	10	J	I	J	h	I	J	...	d$_0$	d$_0$	●	...	...	ci●^{0}, oid$_0$ *a* : oid$_0$●, odш c *p* : cloudy ш *n*.
19	St: Frnb:Stcu:Acu	St: Stcu: Ast	Frnb: Stcu	9	9	10	10	10	10	k	J	1	1	k	k	...	...	...	...	...	...	c●●^{0}, cp●^{0} *a* : c, cp●^{0} *p* : cp●, шc● *n*.
20	St: Frnb: Stcu	Frnb: Stcu	Frnb: Stcu	10	2	9	9	9	10	J	J	k	k	k	k	...	...	...	...	...	...	c●ш until 5h then ci●^{0}, bc *a* : ci●^{0}, cp●^{0} *p* : cp●^{0}▲ *n*.
21	Cunb: Stcu	Cunb: Stcu	Frnb: Nbst	9	6	7	9	10	10	k	k	1	1	1	J	...	...	...	...	...	●^{0}	cqш☇p●▲ *a* : cp●▲, c *p* : ci●^{0} *n*.
22	Cu: Stcu: Acu	Frnb: Nbst	Cunb: Cu: Ci	7	3	10	6	7	3	k	1	J	1	1	1	...	...	●^{0}	...	...	...	c, bcp● *a* : cp●^{0}, bc, cp▲^{0} *p* : c, bc *n*.
23	Cu: Stcu: Acu	St: Stcu: Ast	Cunb: Frnb: Ci	9	9	10	6	6	2	1	m	1	1	m	1	...	...	...	...	...	...	bc⌓ early, c *a* : cp●^{0}, bc *p* : bcpr▲☈, bc *n*.
24	Frnb	St: Frnb: Acu: Ci	St: Cu: Stcu	8	9	9	9	9	10	1	k	k	J	1	J	...	●^{0}	●^{0}	...	...	●	bc, cp●^{0} *a* : cp●^{0}●^{2}, c *p* : ci●^{0}● *n*.
25	Frnb: Nbst	Cu: Stcu: Ci	Cu: Ci	10	9	4	1	3	1	h	1	1	m	m	m	✱^{0}	...	...	...	...	...	o✱^{0}ш, bcy *a* : bc, by *p* : bc, by *n*.
26	Frst: Acu:Cist:Ci	St: Stcu: Ast	St: Frnb:Stcu:Nbst	8	10	9	10	10	10	1	1	1	J	I	I	...	...	...	●	●	●	b, c *a* : c●●^{0}, ш●^{2}▲^{2} 14h to 21h then cp● *n*.
27	St: Frnb	Cunb: Ast	Cunb: Frnb	8	5	6	9	9	10	k	1	k	k	k	J	...	...	...	...	...	●^{0}	cp●qш, bc *a* : bcp●^{0}▲^{0}, c *p* : cp●▲, c●^{0} *n*.
28	St: Frnb	Cunb: Frnb	Frnb: Stcu	9	7	9	2	7	10	k	1	1	1	1	k	...	...	●^{0}	...	...	●	cp●^{0}, cp●▲q *a* : cp●^{0}, p✱, cp▲^{0} *p* : cp●^{0}▲^{0} *n*.
Mean Cloud Am'nt.				7·6	7·0	7·6	7·9	8·1	7·8													
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, 1935

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:Ast	St: Stcu	St: Stcu	10	10	9	9	9	5	J	k	k	k	k	l	●°	●°	...	...	...	...	c, o●° 6h—9h then cp● *a* : cp●°ш, c *p* : cp●°ш, bc *n*.
2	Cunb: Stcu	Cu: Stcu: Acu: Ci	St: Stcu: Acu: Ci	5	4	9	7	8	9	l	l	l	l	l	k	...	...	...	...	...	...	bc, c *a* : cp●°, c *p* : c, ci●°● *n*.
3	Cunb: Frnb: Stcu	Cunb: Stcu: Acu	Cu: Stcu	6	5	6	3	7	3	l	l	l	l	l	l	...	...	...	...	...	...	cp●°●, bc *a* : bc, c *p* : cp●°, bc *n*.
4	Cunb: Stcu:Ci	Cu: Stcu: Ci	Cu:Stcu: Aculent:Ci	5	8	7	8	8	9	l	m	m	l	l	l	...	...	...	...	...	...	bc, cp●° *a* : c, bc *p* : c, o●²● 22h—24h.
5	St: Acu	St: Cu: Stcu	St: Stcu: Acu	6	7	9	8	9	10	l	l	l	l	k	k	...	...	...	...	...	...	o●, bc, c *a* : cloudy *p and n*.
6	St: Stcu: Ci	Stcu: Ci	St: Stcu: Cist:Ci	5	5	9	9	9	3	k	l	m	m	m	m	...	...	...	...	...	...	c⌓ early, bc *a* : c() *p* : c(), bc *n*.
7	Cu	Cu: Frcu	Frcu: Ci	1	9	2	9	1	1	m	m	m	m	l	l	...	...	...	...	...	...	by, c() *a* : bc(), c *p* : b, bc *n*.
8	St: Stcu	Stcu	Stcu	6	6	5	7	4	6	l	l	l	l	m	l	...	...	...	...	...	...	b, bcy *a* : bc, cy *p* : bc, c *n*.
9	St: Stcu	Cu: Stcu	Cu	7	2	4	3	1	6	l	l	l	l	l	l	...	...	...	...	...	...	bc, cy *a* : bc, by *p* : bcy, c *n*.
10	Cu: Stcu	Cu: Stcu	Cu: Stcu: Acu	9	10	6	9	8	10	k	k	k	k	k	k	...	...	...	...	...	...	cloudy *a* : bc, cy *p* : cloudy *n*.
11	Frcu: Acu	Frcu	---	1	2	1	1	0	1	J	k	k	k	k	J	...	...	...	...	...	...	c, by *a* : by *p* : by, c *n*.
12	St: Stcu	St: Stcu	St: Stcu	10	10	9	5	7	10	J	J	J	J	J	J	...	...	...	...	...	...	cloudy *a* : bc, c *p* : cloudy *n*.
13	Frst: Stcu:Acu	Stcu: Ast	Acu: Ast:Cist:Ci	9	9	10	10	9	9	k	k	k	J	J	J	...	...	...	...	...	...	cloudy *a and p* : c[T], bc *n*.
14	Ci	Frcu: Ci	Cu: Stcu: Ci	3	0	1	1	6	7	J	J	J	J	J	J	...	...	...	...	...	...	bc⌓ early, by *a* : by, bc *p* : bc, c *n*.
15	St: Stcu:Ast	St: Stcu: Ast	St: Frnb: Nbst	10	10	10	10	10	10	J	J	k	J	J	J	...	...	●°	●°	●°	●	cp●° *a* : cp●°, o●°● 15h—24h.
16	St: Frnb: Nbst	St: Stcu: Ast	St: Frnb: Ast	10	7	10	10	10	9	J	J	l	I	J	J	●°	●°	...	●°	●°	●°	ci●°, c *a* : c, c●°● 14h—18h *p* : ci●°, c *n*.
17	St: Cu: Acu: Ci	Cu: Cist: Ci	Stcu: Acu: Ast	8	3	5	9	9	10	l	l	l	m	l	J	...	...	...	...	...	●°	c, bc *a* : bc, c *p* : c, oi●° *n*.
18	St	St	St: Stcu	10	10	10	10	10	9	G	h	I	h	k	k	d_0	d_0	d_0	d_0	...	...	oi●°d_0 *a* : oid_0, c *p* : cloudy *n*.
19	St: Stcu: Ast	St: Stcu	St: Stcu	10	10	9	10	10	9	k	J	J	J	J	J	...	...	...	...	...	...	cid_0, ci●° *a* : cloudy *p* : ci●°, b *n*.
20	St: Stcu: Acu: Ci	St: Cu: Stcu	St: Stcu	6	3	6	8	9	10	l	l	l	l	l	I	...	...	...	...	...	d_0	b⌓ early, bc *a* : bc, c *p* : c, oid_0d *n*.
21	St: Stcu: Acu	St: Frnb	Frst: Stcu: Ast	9	10	10	10	9	9	k	l	I	k	J	J	...	...	●°	...	...	...	c, c●° *a* : c●° 12h—15h then c *p* : cloudy *n*.
22	Cu: Stcu: Acu	Cunb: Cu: Acu: Ci	St: Cunb: Stcu	4	9	5	9	6	2	l	J	l	J	l	l	...	●	...	●	...	...	cp●●², c *a* : cp●▲, bc *p* : bc *n*.
23	St: Stcu	St	St: Stcu	10	10	10	10	9	9	h	I	I	I	J	k	d_0	d_0	...	...	...	...	bc, c● 2h—4h, oid_0● *a* : oi●°, c *p* : cloudy *n*.
24	St	St	St: Stcu	10	10	10	10	9	10	I	h	J	I	k	J	d_0	d	...	●°	...	...	c, oid_0●° *a* : ci●°, c *p* : cloudy *n*.
25	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	10	k	J	J	I	I	h	...	d_0	...	d_0	...	d_0	cid_0 generally.
26	St	St: Stcu	St: Stcu	10	10	10	10	10	10	I	J	k	k	k	J	...	...	...	...	...	...	oid_0, c *a* : cloudy *p and n*.
27	Stcu: Acu: Ci	Cu: Stcu: Acu:Ci	Acu: Ci	6	10	2	3	1	1	l	G	m	l	l	l	...	...	...	...	...	...	bc⌓, of, bc *a* : bc, b *p* : b⌓ *n*.
28	St: Stcu	Frcu: Ci	Ci	9	9	1	1	1	9	J	J	k	k	k	k	...	...	...	...	...	...	bc⌓ early, c, bc *a* : bc, b *p* : c, b⌓ *n*.
29	St: Stcu	St: Stcu	St: Stcu	10	10	9	9	10	10	l	l	l	l	l	k	...	...	...	...	...	...	b⌓ early, c *a* : cloudy *p and n*.
30	St: Stcu	St: Stcu	St: Stcu	10	10	10	9	9	8	k	l	l	l	l	l	...	...	...	...	...	...	⌓ early, cloudy *a and p* : c, bc *n*.
31	St: Stcu	St: Stcu	St	9	9	9	10	10	10	l	l	k	I	F	h	...	...	...	d_0	d_0	d_0	cloudy *a* : c, od_0 *p* : oidf, cp●° *n*.
Mean Cloud Am'nt.				7·5	7·6	7·2	7·6	7·4	7·5													

432. VALENTIA OBSERVATORY APRIL, 1935

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	Cu: Stcu: Acu	Cunb: Stcu	9	9	5	9	6	3	l	l	l	l	l	l	...	...	...	...	...	...	cp●°, bc *a* : c, bc *p* : c, b *n*.
2	Cu: Stcu	Cu	Cu: Cist: Ci	8	4	4	2	4	2	l	l	m	m	m	m	...	...	...	...	...	...	b, c, bcy() *a* : bcy() *p* : bc(), bc *n*.
3	Cu: Stcu	St: Cu: Stcu: Ci	Cu: Stcu: Acu: Ci	3	5	8	9	8	4	m	m	m	m	m	l	...	...	...	...	...	...	bc⌓ c() *a* : cp●°, c() *p* : c(), bc *n*.
4	St: Frnb: Acu	St: Frnb: Stcu	Cunb: Frnb:Stcu	10	10	10	10	9	4	l	J	J	J	l	l	...	...	...	●°	...	...	cp●° *a and p* : c, bc *n*.
5	Cu: Stcu: Acu	Cunb: Frnb	Cunb:Stcu:Acu:Cist	5	9	9	4	9	9	m	k	l	m	l	l	...	...	...	...	...	...	bc, cp●°, cp▲● *a* : cp●●°, bc(), cp●° *p* : cloudy *n*.
6	St:Stcu:Acu:Ast	St: Frnb: Nbst	St: Frnb	10	10	10	10	10	2	l	l	I	I	J	k	...	...	●	●	...	...	cp●° *a* : c● 12h to 17h *p* : c, bc *n*.
7	Cunb:Frnb:Acu:Ast	St: Stcu: Ast	Cu:Ci	8	9	9	9	2	7	k	l	l	l	m	m	●	●°	...	...	...	...	bc, ci●, cp●° *a* : cp●°, bc *p* : bc, c *n*.
8	Cunb: Frnb: Acu	Frst: Ast	St: Frnb: Ast	8	9	10	10	10	10	l	l	l	k	m	k	●°	...	...	●°	...	...	cp●●°q, c *a* : c, c●°● 15h to 18h *p* : ci●, bc *n*.
9	St: Cu: Frnb:Acu	St: Frnb	Frnb	6	9	10	10	10	10	J	k	k	J	h	h	...	...	...	●°	●	...	bc, cp●° *a* : ci●, c●°● 14h to 20h, then cp●qш *n*.
10	Cunb:Cu:Frnb:Acu	St: Cu: Stcu	St: Frnb	8	7	8	9	10	9	J	k	k	k	J	J	...	...	...	...	●	...	cqp●●°, ш bc *a* : bc ш, ci●°● *p* : ci●, p●°, bc *n*.
11	St:Cunb:Stcu:Ci	Cu: Frcu: Ci	Cu: Ci	5	2	2	3	1	6	l	l	m	m	m	l	...	...	...	...	...	...	cp●°●, b *a* : bcy() *p* : bc, b⌓ *n*.
12	Ast:Cicu:Cist	Acu: Ast	Stcu: Acu: Ast	9	9	10	9	9	10	l	m	m	m	m	l	...	...	...	...	...	...	b⊔, cy() *a* : cy() *p* : c, c●, bc *n*.
13	St:Stcu:Cist:Ci	Cunb: Cu: Ci	Cu:Frnb:Acu: Ast	7	3	6	5	8	3	l	l	l	l	l	l	...	...	...	...	...	...	bc, cp●°, bc *a* : cp●°●, c *p* : cp●°, bc *n*.
14	Cunb: Cu:Frnb:Ci	St: Cunb: Stcu	Cu: Stcu: Acu	9	6	9	3	7	6	k	l	l	l	l	l	...	...	...	...	...	...	ci●, cp●° *a* : bc, cp●° *p* : cp●°, bc *n*.
15	Cu:Stcu:Acu:Cist	St: Cu: Stcu	Cunb:Frcu:Acu:Cist	9	9	9	8	8	8	l	l	l	l	l	k	...	...	...	...	...	...	cp●●°, c *a* : cloudy *p* : cp●q, bc *n*.
16	Cunb:Frnb:Ast:Ci	St: Frnb	Cunb: Frnb	9	7	10	9	9	8	l	l	k	k	l	k	...	...	●	▲	...	...	cp▲●q generally.
17	Cunb: Frnb:Ast:Ci	Frnb: Stcu	Cunb: Stcu: Ci	9	4	9	7	9	6	l	l	l	l	l	k	...	...	...	...	...	...	cp▲●°, p●✱ *a* : c, bc *p* : bc, c *n*.
18	St: Frnb: Stcu	St: Cu: Ci	Frnb: Ast	10	8	4	9	10	10	J	k	k	k	I	J	●°	...	...	...	●°	●°	c, c●●° 2h to 8h, bc *a* : bc, ci●° *p* : ci●°, p● *n*.
19	Cu:Stcu: Acu: Ci	St: Stcu: Ci	St: Cu: Frnb	8	8	9	9	9	9	l	l	k	l	l	l	...	...	●°	...	●°	...	cp●°, bc, cp●° *a* : cp●●° *p* : cp●, ci●° *n*.
20	Cunb:Stcu:Acu	Cunb:Stcu: Ci	Cunb: Stcu: Ci	2	3	4	7	7	8	l	l	l	l	m	l	...	...	...	...	...	...	ci●°, b, bc *a* : bc, c *p* : ci●°, bc *n*.
21	Cunb:Stcu:Aculent:Ci	Cunb:Stcu:Acu:Cist	Cunb: Cu: Ci	8	9	9	5	3	8	l	l	l	l	l	l	...	...	...	...	...	...	bc, cp●°, c *a* : cp●°, bc *p* : bc, cp●° *n*.
22	Cunb: Frnb:Stcu	Frnb	Cu: Frnb:Stcu	9	9	9	9	9	10	k	J	J	J	J	J	...	...	●	●°	...	●°	cp●●° generally.
23	St: Stcu	Stcu: Ast	Cu:Stcu:Cist:Ci	9	9	10	9	7	6	l	l	l	l	l	l	...	...	...	...	...	...	cp●°, c *a* : cloudy *p* : c, b *n*.
24	Cu:Stcu:Acu:Ci	Stcu	Ci	5	5	9	6	1	1	m	m	l	l	m	l	...	...	...	...	...	...	b⌓, bc *a* : c, b *p* : b, b⌓ *n*.
25	Stcu	Cu: Stcu	Cu: Frnb: Acu	2	8	4	7	9	8	l	l	m	m	m	l	...	...	...	...	...	...	b⌓ early, c, bc *a* : bc, c() *p* : c, b *n*.
26	Stcu:Aculent	Cu: Stcu	Cu: Stcu	2	1	5	6	2	1	m	l	l	l	l	k	...	...	...	...	...	...	b⌓ early, bc *a* : bc *p* : bc, b⌓ *n*.
27	---	Acu	Frcu: Ci	0	0	1	1	1	1	l	l	m	m	m	l	...	...	...	...	...	...	b⌓, by *a* : by *p* : by, b⌓ *n*.
28	---	Frcu: Cicu	Cicu: Ci	0	1	1	1	3	1	k	k	k	k	k	J	...	...	...	...	...	...	b⌓ early *a* : b, bc *p* : bc, b⌓ *n*.
29	Cist	Cu: Cist	Cu: Acu: Ast	3	9	9	9	9	10	k	k	J	J	I	I	...	...	...	...	...	...	b⌓, c *a* : c, cz_0 *p* : cz_0 *n*.
30	St: Stcu	St: Stcu	St: Cu: Stcu: Ci	9	10	10	10	8	10	J	J	I	I	J	I	...	...	●	...	...	...	cz_0, c *a* : ci●●°, c *p* : c, cp●°, c *n*.
Mean Cloud Am'nt.				6·6	6·7	7·4	7·1	6·9	6·3													
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.						

433. VALENTIA OBSERVATORY — MAY, 1935

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	St	St	10	9	10	10	10	10	k	l	J	I	k	J	...	...	d$_0$	●	...	d$_0$	cp●^{0}, c a : oid$_0$, od●, o p : oid$_0$, cp● n.
2	Frst: Frnb: Acu	St	St: Stcu	9	10	10	10	10	10	J	J	J	k	J	J	...	...	...	●^{0}	●	●^{0}	cp●, oid$_2$ a : oi●^{0}, o●^{0}● 16h to 20h, then ci●^{0}, cp● n.
3	Frst: Frnb: Nbst	Frst: Stcu: Ast	St: Stcu	10	10	10	10	10	9	l	l	l	k	k	k	●^{0}	...	●^{0}	●^{0}	...	...	c●^{2}, ci●^{0} a : ci●^{0}, o●^{0}, c p : ci●^{0}, c n.
4	St: Stcu:Acu:Cicu	Stcu: Acu: Ast	St: Stcu	9	9	10	10	10	10	l	l	l	J	J	J	...	...	...	●^{0}	●^{0}	...	c, ci●^{0} a : c, c●^{0} 15h—20h, then c n.
5	Cu: Stcu	Cu: Stcu	Cu	3	5	9	9	1	1	I	J	k	k	l	k	...	...	...	...	...	...	bcz$_0$, c a : c, b p : b⌓ n.
6	Ci	Cu: Acu: Ast: Cist	Acu: Cicu: Ci	1	2	6	7	8	1	k	k	k	k	k	k	...	...	...	...	...	...	b⌓ early, bc a : bc, c p : c, b⌓ n.
7	St: Stcu	St: Ast	Frst: Acu	9	10	10	10	9	8	l	k	k	k	l	l	...	●^{0}	●^{0}	●^{0}	...	...	b⌓ early, ci●^{0} a : cp●^{0}, ci●^{0}, c p : c, bc⌓ n.
8	Ci	Cu: Ci	Cu: Frcu: Ci	1	1	1	6	4	1	l	l	I	J	J	J	...	...	...	...	...	...	bc⌓, byz$_0$ a : byz$_0$, bc p : bc, b⌓ n.
9	Cu: Ci	Cu: Acu	Stcu	3	1	1	9	9	2	E	J	k	k	I	J	...	...	...	...	...	...	b⌓, bcf, b a : by, cz$_0$ p : cz$_0$, bc n.
10	Cu	Frcu	Frcu:Aculent:Cicu:Ci	1	1	1	1	2	2	J	k	k	l	l	k	...	...	...	...	...	...	bc⌓ early, by a : by, bcy p : bcy, b⌓ n.
11	---	---	Aculent	0	0	0	1	1	1	k	k	J	J	J	J	...	...	...	...	...	...	
12	Cu: Acu: Ci	Cu	Cu	1	1	1	3	1	9	m	l	J	k	k	k	...	...	...	...	...	...	b⌓ early, by a : by, bc p : b, b⌓ n.
13	---	Stcu	Frst: Stcu	0	3	9	9	10	9	k	k	l	l	l	k	...	...	...	...	...	...	b⌓ early, byz$_0$ a : byz$_0$, c p : b, c n.
14	Cu: Stcu: Acu	Cu: Cicu: Ci	Frcu: Ci	8	6	6	1	1	1	m	J	m	m	m	m	...	...	...	...	...	...	c, bc, cy a : cy, c p : cloudy n.
15	Cu: Acu	Stcu:Acu:Ast: Ci	Cunb: Cu: Stcu	2	7	8	9	7	6	m	m	m	k	l	k	...	...	...	...	...	...	c, bcp●^{0}, bc a : bc, by() p : by(), b n.
																						b⌓ early, bcy, cp●^{0} a : cp●^{0} p : c, bc n.
16	Stcu:Acu:Cicu:Ci	Cu: Stcu: Cist	Cu: Stcu	9	9	7	3	9	9	l	l	m	m	m	m	...	...	...	...	...	...	bc, cy a : bcy, c p : cp●, c n.
17	St:Frnb:Stcu:Nbst	Cunb: Cu	Cunb: Cu	10	7	3	5	5	3	k	l	m	m	m	m	...	...	...	...	...	...	ci●, cp●^{0}, bcy() a : bcy() p : bcy(), b n.
18	Cunb:Stcu:Acu:Ci	Cunb:Stcu:Acu:Ast	Cu: Stcu: Ast	7	9	9	9	9	10	m	m	m	m	m	m	...	...	...	...	...	...	by, c, cp▲^{0} a : cy, c p : cp●^{0}, ci●^{0} n.
19	St: Stcu	St: Cu: Stcu: Acu	St: Cu: Stcu	9	9	9	9	8	9	l	l	k	l	l	k	...	...	...	...	...	●	cp●●^{0}, c a : cp●●^{0} p and n.
20	St: Cunb: Stcu	Frnb:Cunb:Stcu	Frnb:Cunb:Ast:Ci	8	9	9	10	9	7	J	k	J	J	k	k	...	...	...	●	...	...	cp●●^{0}, ci● a : ci●, cp●●^{0} p : cp●●^{0}, bc n.
21	Frcu: Aculent	Cu: Stcu	Cu: Ci	1	1	4	4	1	1	k	k	l	l	l	m	...	...	...	...	...	...	bc, by a : bcy, by p : by() n.
22	Acu	Frcu: Ci	Acu: Ci	1	1	1	4	6	5	k	k	l	l	l	l	...	...	...	...	...	...	by, bc a : by, bcy p : bcy, b n.
23	Frcu:Aculent: Ci	Stcu: Acu: Ast: Ci	Cu: Acu:Cicu: Ci	2	7	8	6	4	1	l	l	l	l	l	l	...	...	...	...	...	...	b, c a : cy, bcy p : bcy, b n.
24	---	Frcu: Acu: Ci	Acu: Ast	0	0	7	8	9	10	l	l	l	l	l	l	...	...	...	...	...	...	b⌓ early, bc a : cy, c p : cloudy n.
25	Frcu: Ci	Acu: Ci	Cu: Acu:Cicu: Ci	8	2	1	4	7	7	l	l	l	l	l	l	...	...	...	...	...	...	c, bcy a : by, cy p : bcy, c n.
26	Acu	Cu: Stcu	Cu: Stcu	3	1	5	4	3	3	k	k	k	k	k	J	...	...	...	...	...	...	c, by, bc a : bc p : bc, b⌓ n.
27	---	Cu: Stcu	Frcu	0	1	2	5	1	2	J	k	l	l	l	J	...	...	...	...	...	...	b⌓ early, bc a : bc, c, b p : bc, b⌓ n.
28	---	Frcu	---	0	0	1	1	0	1	J	k	k	J	J	I	...	...	...	...	...	...	b⌓ early a : b, bz$_0$ p : bz$_0$, b⌓ n.
29	St: Stcu	Frcu: Ci	Frcu:Acu: Cicu:Ci	9	8	8	9	8	10	G	I	J	J	k	k	...	...	...	...	...	...	b⌓, ofe, bc a : cloudy p : c, b⌓ n.
30	Stcu: Ast	Frcu: Stcu: Acu	St:Stcu:Acu:Ast	10	9	9	10	9	10	J	J	k	J	J	J	...	...	...	...	...	...	b⌓ early, c a : cloudy p and n.
31	St: Stcu: Nbst	St: Cu: Stcu	Frcu: Ci	10	9	9	8	1	4	J	k	k	k	l	l	●^{0}	...	...	...	...	...	ci●^{0}, c a : c, bc, b p : bc, b n.
Mean Cloud Am'nt.				5·0	5·1	5·9	6·6	5·9	5·5													

434. VALENTIA OBSERVATORY — JUNE, 1935

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: Aculent	St: Cu: Stcu: Acu	St: Stcu	8	9	9	10	10	10	l	l	l	k	k	I	...	...	...	●^{0}	●^{0}	●	b, cp●^{0} a : ci●●^{0} p and n.
2	Cunb:Cu:Stcu:Acu	St: Ci: Stcu	St: Cunb: Stcu	6	4	8	7	9	7	l	l	l	l	l	k	...	...	...	...	...	...	cp●●^{0}, bc, c a : cp●^{2}●, c p : cp●, c n.
3	St:Frnb:Acu:Ast	St: Frnb	Cu: Frnb: Stcu	9	10	10	10	9	9	k	J	k	k	k	J	●^{0}	●^{0}	...	...	...	●^{0}	cp●, ci●●^{0} a : ci●●^{2}●^{0}, c p : ci●^{0}, c n.
4	St: Frnb: Nbst	Frnb: Stcu: Ast	St: Frnb: Stcu	10	10	10	10	10	9	k	k	l	l	l	k	●	●^{0}	...	●^{0}	...	...	ci●, o●^{0}, c a : cp●^{2}, i●^{0}, c p : ci●^{0}, p●^{0}, c n.
5	St: Stcu: Acu:Ast	Cu: Stcu	Cu: Ci	9	9	5	5	5	9	k	k	l	l	l	l	...	...	...	...	...	...	cp●^{0}, bc a : bc, c p and n.
6	St: Frnb	St: Cu: Stcu	Frst:Cu:Stcu:Acu	10	10	6	3	6	9	J	J	l	l	l	k	●^{0}	...	...	...	...	...	c, o●●^{2}●^{0} 2h to 8h, c a : c, bc p : bc, cp● n.
7	Cunb:Frnb:Acu:Ci	Cunb:Stcu:Acu:Ci	Cunb:Frnb:Stcu	9	7	5	8	9	6	J	k	l	k	l	l	●^{0}	...	...	...	...	...	ci●p●, bc a : bc, cp●^{0} p : cp●^{0}, c n.
8	Cunb: Cu: Acu	Cu: Ci	Cu	6	3	4	5	5	3	m	m	m	m	m	m	●^{0}	...	...	...	...	...	cp●^{0}, bc a : bc p and n.
9	Cu	Cu: Acu	Frst: Cu: Acu	8	9	9	9	9	10	l	l	l	l	l	k	...	...	...	●^{0}	...	●^{0}	bc, cp●●^{0}, c a : cp●^{0} p : c●^{0}● 19h to 24h.
10	Frnb:Stcu:Ast	Frnb:Stcu:Ast	Frnb: Nbst	10	10	10	10	10	10	l	l	k	I	J	J	●^{0}	●^{0}	●	●	●^{0}	●^{0}	o●^{0}, ci●^{0}● a : c●^{2}●●^{0} 13h to 24h.
11	Frnb: Nbst	St: Stcu	Cunb: Frnb: Ci	10	10	10	7	9	5	J	J	l	l	k	l	●^{0}	...	...	...	●	...	ci●●^{0}, cp●^{0} a : cp●^{0}, bc, cp● p : cp●●^{2}, c n.
12	Cunb: Cu: Acu	Cunb:Cu:Stcu: Ci	Cunb: Frnb: Ast	7	7	6	9	9	3	m	l	l	l	l	l	...	...	...	●^{0}	●^{0}	...	bcp●●^{0} a : cp●●^{0} p : cp●^{0}, bc n.
13	Cunb: Cu: Stcu	St: Stcu: Ast	St: Nbst	3	6	10	9	10	9	k	l	l	k	k	l	...	...	...	...	●^{0}	...	bc, cp●, c a : c●^{2}●^{0}, ci● p : c●^{0}, cp● n.
14	Cunb: Cu: Acu	Cunb: Cu	Cunb: Cu: Ci	6	3	4	5	4	3	m	m	m	m	m	m	...	...	...	...	...	...	cp●^{0}, bc a : bcp●^{0} p and n.
15	Cunb:Cu:Frnb:Stcu	Cunb: Frnb	Cu: Stcu: Acu	9	7	9	3	7	9	l	l	k	l	l	l	...	...	●^{0}	...	...	...	cp●●^{0} a : cp●^{0}, bc p : cp●●^{0} n.
16	St: Cu: Stcu	Cu	Cu: Stcu	7	7	4	7	5	7	k	k	l	l	k	k	...	...	...	...	...	...	cp●^{0}, bc a : bc, c p and n.
17	St:Frcu:Acu: Ast	St: Stcu: Ast	Frst:Frnb:Stcu:Ast	9	10	10	10	10	10	l	l	J	m	I	F	...	●^{0}	●^{0}	...	●^{0}	d$_0$	bc⌓, ci●●^{0} a : ci●^{0}, c(), ci●^{0} p : o●^{0}, i●^{0}d$_0$ n.
18	St	St: Stcu	St: Stcu: Acu	10	10	9	9	10	10	J	J	J	k	k	J	...	...	...	...	...	...	od$_0$, oi●^{0}, id$_0$ a : oid$_0$, c p : c, oid$_0$ n.
19	St	St	St	10	10	10	10	10	10	E	I	I	h	I	J	d	●	●^{0}	d$_0$	...	...	oid$_0$, ●^{0}●^{2}, df, o●●^{2}●^{0} 8h to 14h, then od$_0$, c p : [oid$_0$, oi●^{0} n.
20	St: Stcu: Acu	St:Cu:Stcu:Acu	Frst: Frnb: Nbst	9	9	9	9	10	10	J	J	k	k	J	k	...	...	...	...	...	...	o●●^{0}, ci●^{0}, c a : cloudy p : c, c●^{0} n.
21	St: Stcu	Cu:Stcu:Acu: Ci	Cu:Stcu: Acu: Ci	9	9	8	7	9	10	k	k	l	l	l	l	...	...	...	...	...	...	o●, i●^{0}, c a : cloudy p : c, o●^{2} 22h to 24h.
22	St: Frnb	St: Stcu	Frcu: Acu: Cicu	10	10	9	5	2	8	J	J	m	m	m	m	●	●	...	...	...	...	o●^{2}● until 11h, then c a : c, bc() p : b(), c n.
23	Frcu: Acu	Cu: Frcu: Ci	Acu: Ci	1	3	3	2	3	4	m	m	m	m	m	m	...	...	...	...	...	...	c, b⌓, bc a : b, bc p : bc n.
24	Frst:Acu:Cicu:Ci	Frcu: Acu: Ast	Frst: Acu: Ast	8	8	9	10	10	10	l	l	l	l	k	k	...	...	...	...	...	...	bc, c a : c, ci●^{0} p : cloudy n.
25	St: Stcu	St: Cu: Stcu	Frst: Cu: Stcu	9	9	8	3	4	5	k	k	J	J	J	J	...	...	...	...	...	...	cloudy a : c, bc p and n.
26	Frnb: Nbst	St	St	10	10	10	10	10	10	h	I	I	I	I	I	●^{0}	●	●^{0}	●^{0}	●	●^{0}	c, o●●^{2}●^{0} 6h to 22h, then cloudy.
27	Frst:Stcu:Acu:Ast	St	St	9	9	10	10	10	10	l	l	I	J	J	h	...	...	d$_0$	...	...	d$_0$	cloudy a : oid$_0$, o p : oid$_0$ n.
28	St: Stcu	St: Stcu	St: Stcu	10	10	9	9	9	9	I	h	k	l	l	m	...	d$_0$	...	...	...	...	oid$_0$, c a : cloudy p : c, oid$_0$ n.
29	St: Stcu	Cu:Stcu: Acu: Ci	St: Stcu	10	9	4	9	10	4	I	l	l	k	J	k	d$_0$	...	...	...	...	...	oid$_0$, bc a : bc, c p : cid$_0$, bc⌓ n.
30	Cu: Cicu	Cu	Cu: Acu: Ci	3	4	1	1	1	1	l	l	l	l	l	l	...	...	...	...	...	...	bc, c, b a : fine p : b, b⌓ n.
Mean Cloud Am'nt.				8·1	8·0	7·6	7·4	7·8	7·6													
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.						

435. VALENTIA OBSERVATORY JULY, 1935

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: Acu	St: Stcu	St: Stcu	9	9	9	10	10	10	l	l	l	I	J	J	…	…	…	…	…	…	bc⌓, c *a* : c, cid$_0$ *p* : cid$_0$, c *n*.
2	St: Stcu: Nbst	St: Stcu	St: Stcu	10	10	10	10	10	10	J	J	k	J	k	k	…	…	…	d$_0$	…	…	ci●^{0}, cid$_0$ *a* : cid$_0$, c *p* : cloudy *n*.
3	St: Stcu: Ast	St	St	10	10	10	10	10	10	k	J	h	J	G	G	…	d	…	…	d$_0$	d$_0$	cp●^{0}, cid, od *a* : oid$_0$ *p and n*.
4	St: Stcu	St: Stcu	St	9	10	9	10	10	10	J	J	J	k	I	I	…	…	…	…	d$_0$	d$_0$	oid$_0$, c *a* : c, oid$_0$ *p* : oid$_0$, oi●^{0} *n*.
5	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	10	k	k	J	J	h	h	…	…	…	…	…	d$_0$	ci●^{0}, c *a* : cloudy *p* : cm$_0$, cid$_0$ *n*.
6	St	Frst: Cu: Stcu	Frst:Stcu:Aculent	9	10	8	5	5	10	J	k	l	l	k	k	…	…	…	…	…	…	cp●^{0}, oid$_0$, c *a* : c, bc *p* : c, b *n*.
7	Frcu: Cicu: Ci	Frcu:Acu:Cicu:Ci	Frcu:Acu:Cicu:Ci	5	7	4	4	6	7	l	m	m	m	m	m	…	…	…	…	…	…	b, bc() *a* : bcy() *p* : bcy(), c *n*.
8	Frcu:Aculent:CicuCi	Frcu: Cu: Stcu	St: Stcu	4	1	4	3	9	9	l	l	k	k	k	k	…	…	…	…	…	…	c, b *a* : bc, c *p* : cp●^{0}, bc *n*.
9	St: Stcu:Acu:Ast	St	St	9	10	10	10	10	10	m	k	h	G	I	I	…	…	d	d	●^{0}	●	bc, cid, ci●●^{0} 10h to 13h, then odd$_0$ *p* : o●●^{0}, ci●^{0} *n*.
10	St: Stcu	Cu: Stcu: Acu: Ci	Cu: Ci	5	1	6	6	5	3	l	l	m	m	m	m	…	…	…	…	…	…	ci●^{0}, b, bc *a* : bc() *p* : bc(), b *n*.
11	St: Stcu: Cicu:Ci	Cu: Ci	Frcu: Acu	2	2	1	1	1	1	l	l	m	m	m	m	…	…	…	…	…	…	b, bc *a* : b() *p* : b(), b *n*.
12	Frcu: Acu: Ci	Frcu: Ci	Frcu: Acu: Ci	1	1	2	2	1	3	l	m	m	m	m	l	…	…	…	…	…	…	b⌓, bc() *a* : bc() *p* : b(), c *n*.
13	St: Frnb	St	St: Stcu	10	10	10	9	10	9	I	h	h	J	J	k	●^{0}	●^{0}	●	…	…	…	c, o●^{0} 6h to 11h *a* : od●^{0}, c, cid$_0$ *p* : cid$_0$, c *n*.
14	Cu: Stcu: Acu	Cu: Cist: Ci	Cu: Cist: Ci	8	5	7	4	4	3	m	m	m	m	m	m	…	…	…	…	…	…	c●^{0}, cp●, bc *a* : c, bc *p* : bc⌓ *n*.
15	Frcu:Acu:Cicu:Ci	Cu:Acu:Ast: Ci	Cu: Stcu: Acu: Ci	6	5	4	7	7	10	m	l	m	m	m	l	…	…	…	…	…	…	bc⌓, c() *a* : c() *p* : cloudy *n*.
16	Frst: Frnb: Ast	St: Stcu	St: Stcu	10	10	10	10	10	10	k	k	h	h	J	I	…	…	d$_0$	d$_0$	…	…	cp●^{0} *a* : cd$_0$, c *p* : cid$_0$, cp●^{0} *n*.
17	Cu: Stcu: Acu	Cu: Ci	St: Cu: Stcu: Ci	9	9	4	7	9	10	m	l	m	m	l	l	…	…	…	…	…	…	cp●^{0}, bc *a* : bc, cp●^{0} *p* : cp●^{0}, c *n*.
18	Frst: Cu: Stcu	St: Cu: Stcu	Frst: Stcu	9	9	9	9	9	10	m	J	l	l	l	l	…	…	…	…	…	…	cp●●^{0}, c *a* : cloudy *p* : c, ci●^{0} *n*.
19	Frnb	St: Stcu: Ast	St: Cu: Stcu	10	9	9	9	9	9	G	k	k	k	k	k	●^{0}	…	…	…	…	…	c●^{0}, cp●●^{0} *a* : c, cp● *p* : cp●●^{0} *n*.
20	Cunb: Cu: Stcu	Cu: Ci	Cu: Stcu: Acu: Ci	9	7	3	6	4	5	l	l	l	m	l	l	…	…	…	…	…	…	cp●^{0}, bc *a* : bc *p* : bc, c *n*.
21	St: Stcu: Ast	St	St	10	10	10	10	10	10	l	I	h	I	h	h	…	●	d$_0$	…	d$_0$	…	cp●^{0}, c● 8h to 10h, od *a* : odd$_0$, oid$_0$ *p* : oid$_0$d *n*.
22	St: Stcu	St: Stcu: Acu	Frst:Acu:Cicu:Ci	10	10	8	7	5	10	I	k	l	l	m	h	…	…	…	…	…	…	oid$_0$, c *a* : c, bc *p* : bc, om *n*.
23	St	St	St: Stcu	10	10	9	9	10	9	G	G	h	k	J	J	d$_0$	…	…	…	…	…	om, oid$_0$, c *a* : cid$_0$, c *p* : cp●^{0}, c *n*.
24	Cu: Stcu: Acu: Ci	Frcu: Ci	Frcu: Ci	3	4	1	1	1	1	m	m	m	m	m	l	…	…	…	…	…	…	c, b() *a* : b() *p* : b(), b *n*.
25	Cu: Stcu: Acu: Ci	Cu: Acu: Ci	St: Cu: Cist: Ci	7	4	6	4	9	4	m	m	m	m	m	l	…	…	…	…	…	…	b⌓, bc() *a* : bc(), c *p* : c, bc() *n*.
26	St: Stcu: Acu:Cicu	St	St: Stcu	8	10	10	10	10	10	k	k	I	E	J	I	…	…	d	…	…	d$_0$	bc⌓, c, ci●^{0} *a* : oid$_0$, of, c *p* : c, oid$_0$●^{0} *n*.
27	St:Stcu	St	St	9	10	10	10	10	10	J	I	J	h	h	G	…	●^{0}	…	…	…	d	c●^{0}, oi●^{0}, o *a* : overcast *p* : oi●^{0}, od *n*.
28	St	St	St	10	10	10	10	10	10	h	h	h	h	G	h	d$_0$	…	d$_0$	d$_0$	…	d$_0$	oid$_0$, c *a* : oid$_0$, ofe *p* : o, od$_0$ *n*.
29	Cu: Stcu	Frcu: Stcu	Ci	3	2	1	1	1	1	l	l	m	m	m	m	…	…	…	…	…	…	c, b *a* : b() *p* : b(), b⌓ *n*.
30	Ci	Frcu: Stcu	Stcu: Ci	4	1	8	9	7	6	m	m	m	m	m	m	…	…	…	…	…	…	b⌓, bc() *a* : c(), c *p* : c, b⌓ *n*.
31	Cicu: Ci	Frcu: Acu: Ci	Frcu: Ci	7	7	4	5	1	4	l	m	m	l	l	l	…	…	…	…	…	…	b⌓, c, bc *a* : bcy *p* : b, bc *n*.
Mean Cloud Am'nt.				7·6	7·2	7·0	7·0	7·2	7·5													

436. VALENTIA OBSERVATORY AUGUST, 1935

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	Cu: Stcu: Acu	Cu: Acu	9	3	4	4	2	2	J	J	k	l	k	l	…	…	…	…	…	…	bc⌓, c, bc *a* : bc *p and n*.
2	St: Stcu	Cu: Stcu: Acu	Cu: Stcu: Acu: Ci	9	10	9	9	5	8	l	k	m	m	m	m	…	…	…	…	…	…	bc, cp●^{0} *a* : c, bc() *p* : c(), bc *n*.
3	Cu: Ci	Cu: Ci	St: Cu: Acu: Ci	2	2	2	5	9	6	m	m	m	m	m	l	…	…	…	…	…	…	b, bc() *a* : bc *p* : c(), bc *n*.
4	St: Stcu	Cu: Stcu: Acu: Ci	St: Stcu: Acu: Ast	10	9	7	8	10	10	m	m	m	l	l	I	…	…	…	…	…	d$_0$	cloudy *a* : c, cp●^{0} *p* : c, oid$_0$, o●^{0} *n*.
5	St	St: Stcu	St: Stcu	10	9	9	9	9	9	F	J	k	k	k	l	…	…	…	…	…	…	o●^{0}, odf, cid$_0$ *a* : cid$_0$, c *p* : cloudy *n*.
6	Frst: Stcu	Cu: Stcu	Cu: Stcu: Acu: Ci	3	9	3	9	6	10	l	l	l	k	m	D	…	…	…	…	…	…	c, bc *a* : bc, c *p* : bc, ofe *n*.
7	St	St: Stcu	Cu: Stcu: Acu: Ci	9	9	10	7	8	10	I	k	k	l	l	J	…	…	…	…	…	d$_0$	ofe, c *a* : c, bc *p* : c, cid$_0$●^{0} *n*.
8	St: Frnb	St: Stcu	Cu: Stcu: Ci	10	9	9	6	6	10	J	J	l	m	m	l	●^{0}	…	…	…	…	…	ci●^{0}, c●^{2}●^{0} 3h to 7h, c *a* : c, bc *p* : bc, c *n*.
9	St: Stcu	Cu: Ast: Acu: Ci	Cu: Stcu: Acu: Ci	9	7	5	7	7	9	l	l	l	l	l	l	…	…	…	…	…	…	bc⌓, c *a* : bc, c *p* : cloudy *n*.
10	St: Stcu	St: Stcu	St: Stcu	9	8	10	10	10	10	l	l	k	I	I	I	…	…	…	d$_0$	d$_0$	…	cloudy *a* : c, cid$_0$ *p* : oid$_0$ *n*.
11	St:Frnb:Stcu	St: Stcu	St: Frnb: Stcu:Ast	9	10	10	10	10	10	J	J	k	J	J	G	…	…	…	…	…	●^{0}	od$_0$, ci●^{0}, c *a* : ci●^{0}, o●●^{2}●^{0} 16h to 18h *p* : c, o●●^{0} 18h to 22h, then ci●^{0} *n*.
12	Cu:Frnb:Stcu:Ast	Cu: Stcu	Cu: Stcu	9	9	5	4	4	5	l	l	l	l	l	l	…	…	…	…	…	…	ci●●^{2}●^{0}, c *a* : c, bc *p* : bc, c *n*.
13	St: Stcu	St: Cu: Stcu	St: Cu: Stcu	8	9	6	9	7	8	m	m	m	l	l	l	…	…	…	…	…	…	cloudy *a* : c, bc, cp●^{0} *p* : bc, cp●^{0} *n*.
14	St: Stcu	Cu: Stcu: Ci	St: Stcu	10	9	5	4	9	10	m	l	m	m	m	l	…	…	…	…	●^{0}	…	cp●^{0}, bc *a* : bc, cp●^{0} *p* : cp●^{0}, c *n*.
15	St: Frnb: Stcu	St: Stcu	St	9	8	9	10	10	10	I	l	l	J	h	G	●^{0}	…	…	d$_0$	d	d	ci●^{0}, c *a* : c, oid$_0$d *p* : od, od●, oi● *n*.
16	St	St: Stcu	St: Stcu	10	10	10	10	9	10	E	G	k	J	J	I	d	d$_0$	…	…	…	…	od$_0$, oi●●^{0}, odf, c *a* : cid$_0$ *p* : cid●, of *n*.
17	St: Frnb	St	St: Stcu: Acu: Ast	10	10	10	10	9	10	I	J	J	I	k	G	…	d$_0$	d$_0$	●^{0}	…	d$_0$	of, p●^{2}●, oid$_0$ *a* : oid$_0$, ci●^{0}, c *p* : c, od$_0$, cid$_0$ *n*.
18	St	St: Stcu	St: Stcu: Ast	9	9	9	9	10	10	J	k	k	l	m	l	d$_0$	…	…	…	…	…	oid$_0$, cp●^{0}, c *a* : c, cp●^{0} *p* : ci●^{0}, c *n*.
19	St: Stcu	St	St	10	10	10	9	10	10	k	G	k	J	h	G	…	d$_0$	d$_0$	d$_0$	d$_0$	d	c●^{0}, cd$_0$, oid$_0$ *a* : oid$_0$ *p* : od$_0$d, c *n*.
20	St	St: Stcu	St	10	9	9	10	10	10	h	J	l	l	G	I	d	…	…	…	●^{0}	●^{0}	od●, od$_2$, c *a* : c, o●^{0} *p* : o●^{0}, c *n*.
21	Cu	Cu: Ast: Acu: Ci	Cu: Ci	6	3	7	4	3	2	l	l	l	l	l	m	…	…	…	…	…	…	c●^{2}● 2h to 4h, bc *a* : c, bc *p* : b, bc *n*.
22	Cu: Stcu: Acu	St: Frnb: Nbst	St: Frnb: Nbst	8	9	10	10	10	10	k	k	J	J	k	h	…	…	…	●^{0}	●^{0}	●	bc, ci●^{0} *a* : ci●●^{0}, o●^{0}● 16h to 21h, then cloudy *p and n*.
23	Cunb: Cu: Acu	St: Stcu: Ast	Cunb: Frnb: Nbst	7	7	9	9	9	9	k	k	k	l	J	k	…	…	●^{0}	…	●	…	c, cp●^{0}, ci●^{0} *a* : cp●^{0}●^{2}, ci● *p* : ci●, cp●, bc *n*.
24	Cu: Frnb	St: Stcu	St: Stcu	9	7	9	9	6	3	k	l	l	l	l	l	…	…	…	…	…	…	bc, cp●, c *a* : c, bc *p* : bc *n*.
25	Cu: Ci	Cu: Stcu:Cist: Ci	Frcu: Cist: Ci	4	7	8	1	9	10	l	l	m	m	m	m	…	…	…	…	…	…	bc, c *a* : c, b, c *p* : cloudy *n*.
26	St	St: Frnb	St: Cu: Frnb	10	10	10	10	9	3	I	h	h	I	J	l	●^{0}	●^{0}	●	…	…	…	c, cp●df, o●●^{0}●^{2} 7h to 13h, then ci●^{0}, c *a and p* : cp●, i●^{0}, bcp● *n*.
27	Cunb	Cunb: Cu: Acu	Cu: Acu: Ast: Ci	5	7	3	8	9	5	l	l	m	l	l	l	…	●^{0}	…	…	…	…	cp●^{2}●^{0}q, bc *a* : bcp●^{0}●, c *p* : bcp●●^{2} *n*.
28	Cunb: Frnb	Cunb	Cu: Acu: Ast: Ci	9	7	7	7	5	6	l	l	m	l	l	l	●	…	…	…	…	…	c●^{0}● until 7h, then cp●●^{0}, bc *a* : cp▲^{2}●^{2}q, cp●●^{0}, bc *p* : cp●, bc *n*.
29	Cunb: Stcu	Cunb: Stcu	Cu: Stcu: Acu	5	4	4	8	4	7	l	m	m	m	l	l	…	…	…	…	…	…	bc, cp●q, bc *a* : bcp●^{0}, cp●q, bc *p* : c, bc *n*.
30	St: Stcu	Frcu: Stcu: Acu	Cu: Stcu	9	9	2	1	4	1	m	m	m	m	m	m	…	…	…	…	…	…	bc, c *a* : c, b *p* : bc, b⌓ *n*.
31	St: Stcu	St: Cu: Stcu	St: Cu: Stcu: Acu	6	8	8	9	7	2	l	l	l	l	l	l	…	…	…	…	…	…	b⌓, c *a* : c, cp●^{2}, c *p* . c, b⌓ *n*.
Mean Cloud Am'nt.				8·1	7·9	7·4	7·6	7·6	7·6													
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.						

437. VALENTIA OBSERVATORY — SEPTEMBER, 1935

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: Ast	Frnb: Ast:Acu	Cu: Stcu: Acu: Ast	10	10	9	8	9	9	m	1	1	m	k	1	...	●	●^{0}	...	...	...	b⌓, cp●^{0}, o● 8h to 11h *a* : ci●^{0} *p* : ci●^{0}, bc *n*.
2	Cu: Frnb: Stcu	St: Cu: Stcu	St: Cu: Stcu: Acu	7	6	9	9	8	9	1	1	m	1	1	1	...	...	...	...	...	...	cp●, ci●●^{0}, bc *a* : cp●, bc *p* : cp●, c *n*.
3	St: Stcu: Acu: Ci	Cu: Stcu: Ast: Acu	Frst:Stcu:Acu: Ci	9	9	9	9	9	7	1	1	m	m	m	m	...	...	...	...	...	...	cp●●^{0}, c *a* : c◯ *p* : c◯, c *n*.
4	Cumb: Cu:Stcu:Acu	Cu: Stcu: Acu	St: Stcu	9	7	7	9	9	2	1	1	m	m	k	1	...	...	...	...	...	...	cp●●^{0}, bc *a* : bc, cp●, c● *p* : c, bc⌓ *n*.
5	St: Stcu: Acu:Ast	St: Stcu: Ast	Cu: Stcu: Acu	9	10	10	9	4	4	1	1	J	1	m	m	...	...	●^{0}	...	...	...	bc⌓, c, c●^{0} *a* : ci●^{0}, bc, *p* : bc *n*.
6	Cu: Stcu: Acu:Cicu	Cu: Ast: Acu	Cu:Stcu: Ast: Acu	8	9	9	9	9	9	k	1	m	m	m	1	...	...	...	...	...	...	bc⌓, c *a* : cp●^{0}, c *p* : cloudy *n*.
7	St: Stcu: Acu	Frcu: Acu:Cicu:Ci	Cu:Stcu:Aculent:Cicu	9	8	4	5	7	6	1	1	m	m	m	m	...	...	...	...	...	...	c, bc *a* : bc◯, c◯y *p* : c◯y, bc *n*.
8	Frnb:Acu: Ast:Ci	Frst: Frnb: Nbst	Frst: Ci	9	10	10	9	8	3	J	k	I	J	J	J	d_0	d_0	●	●	...	...	bc, cid$_0$●^{0} *a* : c●^{0}●●^{2} 12h to 15h, c *p* : c, bc, cf *n*.
9	St: Ci	Cu: Stcu: Acu: Ci	Frst: Ast: Acu	9	9	9	9	9	10	h	J	1	1	1	1	...	...	...	...	...	●^{0}	cf, c *a* : cloudy *p* : c, c●^{0} 21h to 24h *n*.
10	St: Stcu: Acu	St: Stcu: Nbst	Frnb: Nbst	9	9	10	10	10	10	k	J	k	I	J	I	d_0	●^{0}	●^{0}	●^{0}	●	●	cid$_0$, ci●●^{0} *a* : ci●^{0}, o●^{0}● 13h to 19h, then ci●, c *n*.
11	St: Aculent	St: Stcu: Ast	St: Stcu: Ast	9	10	10	10	9	9	J	k	m	k	1	1	d_0	...	...	...	...	...	cid$_0$, c *a* : c◯, cp●^{2}●, c *p* : c, bc *n*.
12	St: Stcu: Cicu:Ci	Stcu: Ast: Acu: Ci	St: Stcu: Acu	8	10	9	10	9	5	1	1	k	k	k	k	...	...	...	...	...	...	bc, cp●, ci●^{0} *a* : c, ci●^{0}●, cp●^{0} *p* : cp●^{0}, bc *n*.
13	Frcu: Stcu	St: Cu	St: Cu: Stcu: Acu	1	8	5	9	8	9	k	k	k	J	k	k	...	...	...	...	...	...	b, bc, cp●^{0} *a* : bcp●, c *p* : cp●^{0}, c●^{2}<, bc *n*.
14	St: Stcu: Acu	Cunb	Cu: Acu:Ci	8	8	3	7	9	10	k	J	k	k	k	k	...	...	...	...	...	...	bc, cp▲●^{0}, cp●^{0}●^{2} *a* : bc, c *p* : cp●^{0}●q, c *n*.
15	Frst: Cumb: Frnb	Cunb: Cu: Frnb	Cu: Stcu: Acu	8	9	8	8	6	9	k	J	k	k	k	k	...	●	●	...	...	●	cp●●^{2}q↯ *a* : cp●●^{0}, bc *p* : cp●^{2}●, c *n*.
16	St: Stcu:Acu:Ast	St: Stcu: Ast	St: Frnb	9	10	10	10	9	10	1	1	k	I	J	J	...	...	●^{0}	●	...	●^{0}	bc, cp●, o●^{0}●^{2}● 10h to 15h, then ↯bc, c●^{2} *a and p* : ci●^{0} [q↯, cp● *n*.
17	Frst: Cumb: Stcu	Cunb: Stcu	Cunb: Frnb	8	8	5	5	9	4	k	k	1	1	k	1	●	●^{0}	...	...	●^{0}	...	cp●●^{0} *a* : bcp●●^{0} *p* : cp●^{0}, bc *n*.
18	St:Cunb:Stcu:Acu	St: Stcu: Ast	St: Frnb	9	10	10	10	10	10	k	k	k	h	G	G	...	●^{0}	...	●^{0}	●^{0}	●^{0}	bc, cp●^{0} *a* : cp●^{0}, o●^{0}● 15h to 21h, then ci●^{0}↯ *n*.
19	Frst : Stcu	Cu	Cu: Stcu:Acu:Ast	9	7	2	9	9	8	J	J	1	k	1	1	...	...	...	...	...	...	cp●^{0}, bc *a* : cp●^{0}, bc, c *p* : c, ci●^{0} *n*.
20	Frst:Stcu:Cist:Ci	Cu:Acu:Cist: Ci	Cu:Stcu: Acu: Ci	5	3	7	7	9	4	k	1	1	1	1	1	...	...	...	...	...	...	c●, ci●^{0}, bc *a* : cloudy *p* : bc, c *n*.
21	Frnb: Nbst	Frst:Stcu:Nbst	Cu: Stcu: Ast:Acu	10	10	10	9	9	3	J	1	1	1	1	1	●	...	d_0	...	...	...	c, c●^{0}● 5h to 9h, then c *a* : cid$_0$, c *p* : c, bc, b⌓ *n*.
22	St: Stcu: Acu	St:Cunb:Stcu:Acu	Cunb: Cu	8	9	9	9	4	4	k	k	k	1	1	1	...	...	●	...	...	...	b⌓, ci●^{2}● *a* : cp●^{2}●●^{0}, bc *p* : bc, b⌓ *n*.
23	Stcu: Acu: Ci	St: Stcu: Ast	Frnb: Nbst	5	7	10	10	10	10	1	1	1	k	I	I	...	...	●^{0}	●^{0}	●^{0}	●^{0}	b⌓, c *a* : cp●^{0}, ci●^{0}, o●●^{0} 16h to 21h, then ci●, cd$_0$ *p and* [*n*.
24	St	St: Stcu	St: Cu: Stcu	10	10	10	9	9	3	h	G	k	k	J	1	d^0	d^0	...	...	...	...	od$_0$ until 9h, then oid$_0$ *a* : cid$_0$, cp●^{0} *p* : cp●^{0}, bc *n*.
25	Cu:Stcu: Acu:Ci	Cu: Cist: Ci	Cu:Acu:Cist:Ci	7	4	7	7	6	3	1	1	m	m	m	m	...	...	...	...	...	...	bc, c *a* : c◯, bc◯ *p* : bc⌓, c *n*.
26	St: Frnb	St: Frnb	Frnb	10	10	10	10	10	10	J	I	J	J	I	J	●^{0}	●^{0}	●^{0}	...	●^{0}	...	c, c●^{0}● 3h to 14h, then ci●^{0} *a and p* : oi●^{0}, o *n*.
27	St: Stcu: Acu: Ci	St: Cu: Ast	St:Stcu:Acu: Ast	9	9	10	10	9	10	k	k	k	k	k	k	...	...	...	...	...	...	o, c *a* : cloudy *p* : c, ci●^{0} *n*.
28	St: Frnb	Cu: Ast: Acu	Cu	10	9	6	3	3	1	J	J	1	1	m	1	...	...	...	...	...	...	o●^{0}, cp●, bc *a* : bc *p* : bc, b⌓ *n*.
29	St: Cu: Ast	Frst: Frnb	Frst: Cu: Acu: Ci	8	10	10	9	8	10	1	1	I	k	k	J	...	...	●	...	...	...	b⌓, c, o●^{0}●^{2}● 10h to 14h, then c *a and p* : cp●^{0}, ci●, bcp [●^{0} *n*.
30	Cunb: Cu:Frnb:Acu	Cunb: Stcu	Cunb: Cu	6	4	5	5	4	4	k	1	1	1	1	1	...	...	...	...	...	...	bc, cp▲^{2}●^{2}, cp● *a* : bcqp●●^{0}, bc *p* : bcqp●^{0}● *n*.
Mean Cloud Am'nt.				8·2	8·4	8·1	8·4	8·0	6·8													

438. VALENTIA OBSERVATORY — OCTOBER, 1935

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	Frst:Cunb:Stcu:Acu	Cunb:Frnb:Acu: Ci	Cu:Stcu:Acu:Ci	8	5	9	9	9	10	k	1	k	1	1	k	...	...	▲^{2}	...	...	...	bcp●^{0}●^{2}●, cp● *a* : cp▲^{2}●^{2}, c *p* : c, cp● *n*.
2	Frst: Cunb:Stcu	Cunb:Frnb:Stcu	Frnb	3	10	9	9	10	4	k	1	k	J	k	k	...	●^{0}	...	▲	●	...	cp●^{0}, c● 2h to 5h, cp●●^{0} *a* : cp▲●q *p* : cp●^{2}●^{0}, bc *n*.
3	Stcu:Acu: Ast:Ci	Cu: Stcu: Ci	St: Stcu	8	7	3	9	4	7	1	1	1	1	1	1	...	...	...	...	...	...	bcp●, c, bc *a* : c, bc *p* : bc, cp●^{0} *n*.
4	Cu: Stcu: Acu	Cumb: Frnb	Frnb: Stcu	9	9	9	10	9	10	1	1	k	J	k	J	...	...	...	●	●^{0}	●	ci●, cp● *a* : ci●^{2}●, cp●^{0} *p* : cp● *n*.
5	Cu: Stcu	Cu: Stcu	Cu: Stcu: Acu	4	2	4	7	8	8	1	1	1	1	1	1	...	...	...	...	●^{0}	...	cp●●^{0}, bcp●^{0} *a* : bc, cp●●^{0} *p* : cp●^{0}● *n*.
6	St: Stcu	Cu: Frnb	Frst: Cu: Stcu	7	8	9	9	9	5	1	1	k	1	1	1	...	●^{0}	●	●^{0}	...	...	bc, cp●^{0} *a* : cp●●^{0}, c *p* : c, bc⌓ *n*.
7	Frcu: Acu	St: Stcu: Ast	Frnb	7	10	10	10	10	10	m	m	1	1	h	h	...	...	...	...	●^{0}	●	bc⌓, cp●^{0} *a* : c, ci●^{0}● *p* : o●^{0}●^{2}● 17h to 22h, then cp●^{0} *n*.
8	Cumb: Cu: Frnb	Cunb: Acu	Frst: Cu: Acu: Ci	7	7	3	9	4	8	1	1	1	1	1	1	●^{0}	...	...	...	...	...	cp●●^{0}, bc, bcp▲● *a* : cp●, bcp●^{0} *p* : bc, cp● *n*.
9	Frnb: Nbst	St: Ast	St: Frnb	10	10	10	10	10	10	J	J	k	I	h	h	●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	●^{0}	o●^{0}● 2h to 6h, then ci●^{0}● *a* : o●●^{2}●^{0} 13h to 19h, then [ci●^{0} *p and n*.
10	Cu: Frnb	St: Cu: Stcu	Cu: Stcu: Acu	7	3	7	7	8	10	1	1	1	1	1	k	...	...	...	...	...	●	bc, cp●^{0}●, bc *a* : bc, cp●^{0} *p* : cp● *n*.
11	Cu:Stcu:Cicu:Ci	Cu	Cu	6	3	2	3	1	7	1	1	m	m	m	1	...	...	...	...	...	...	bcp●, bc◯ *a* : bc◯, b *p* : b, c *n*.
12	Stcu	St: Cu: Stcu	St: Stcu	8	10	9	10	10	10	1	1	1	1	1	1	...	...	...	...	...	...	cp●^{0}, c *a* : cloudy *p and n*.
13	St: Frnb: Stcu	St: Frnb	St: Frnb	10	10	10	10	10	9	k	k	J	k	J	J	...	●^{0}	●^{0}	...	...	...	cp●^{0}, ci●^{0} *a* : c●●^{0}, c *p* : ci●^{0}, c *n*.
14	St: Stcu	St: Stcu	Frst: Stcu	10	10	10	10	10	10	k	k	1	k	k	k	...	...	...	...	...	...	cloudy *a and p* : c, cid$_0$ *n*.
15	St	St	St	10	10	10	10	10	10	h	J	h	h	h	h	d	d_0	d_0	d_0	d_0	d_0	cid$_0$, o●^{0}, cid$_0$ *a* : od$_0$, cid$_0$ *p* : cid$_0$, od●, od *n*.
16	St	Frcu	St: Frcu: Acu	10	9	1	1	4	5	G	1	m	1	1	k	d	...	...	...	...	...	od, bc, b *a* : b, bc *p* : bc, bc⌓ *n*.
17	St: Frst:Acu:Ci	St: Stcu: Ast	St: Stcu: Ast	7	9	9	10	10	10	1	J	k	J	J	J	...	...	...	...	...	...	bc⌓, c *a* : cloudy *p* : c, cid *n*.
18	St: Stcu	St	St: Frnb	10	10	10	9	10	5	k	k	h	J	k	J	...	...	d_0	...	●^{0}	...	cloudy *a* : od$_0$, c, ci●↯ *p* : ci●^{0}↯, cp●^{2}●, bc *n*.
19	St: Cu: Stcu	Cu: Frcu	Cu: Stcu	5	9	3	6	6	5	k	J	k	k	k	k	...	●	...	...	...	...	bc, cp●●^{0}↯ *a* : bcy, cp●●^{0}↯, bc *p* : bcp▲●q↯, bc *n*.
20	Cu: Frnb	Cunb:Cu:Frnb:Acu	Cu: Frnb: Ci	4	7	4	5	8	9	1	1	1	1	m	1	...	...	...	...	...	...	bcp●●^{2}q, cp●^{0}● *a* : bc, cp●q *p* : cp●●^{0} *n*.
21	Frnb: Ast	St: Stcu: Ast	St	10	10	10	10	10	6	1	k	J	I	h	1	●^{0}	●^{0}	...	...	...	...	c, c●^{0} 5h to 9h, then ci●^{0} *a* : cid, ci●^{0} *p* : odf, oid, bc *n*.
22	St	St	St	10	10	10	10	10	10	I	h	F	F	E	h	...	●	●^{0}	●^{0}	d	d_0	oid$_0$, o●●^{0} 8h to 18h *a and p* : odf, od$_0$ *n*.
23	St: Frnb	Cu: Acu	Cunb: Cu	10	9	3	10	3	2	G	J	1	k	1	1	●	...	...	...	...	...	oid$_0$, o●●^{0} 5h to 8h, then p●^{0}, bc *a* : bc, cp●q *p* : bc, cp▲● [*n*.
24	Cunb: Cu: Frnb	Cu: Acu: Ci	St: Stcu: Ast	6	1	7	7	10	10	1	1	m	m	1	I	...	...	...	...	●^{0}	●^{0}	bcp▲●, b *a* : cp●q, bc, ci●^{0} *p* : c●^{0}, ci● *n*.
25	Cu: Acu	Cu:Stcu:Ast:Acu	St: Stcu: Ast	7	7	9	10	10	10	1	1	1	1	1	J	...	...	...	...	...	●^{0}	cp●^{0}, bc *a* : cloudy *p* : ci●^{0}, cid$_0$ *n*.
26	St	St: Stcu	St	10	10	9	10	10	10	h	I	J	J	G	h	...	...	...	...	...	...	cid$_0$, c, om$_0$ *a* : of, c *p* : om, oid$_0$ *n*.
27	St: Stcu: Nbst	St: Stcu	St: Stcu	10	10	10	10	10	10	J	J	h	I	h	J	...	...	...	...	...	...	cid$_0$, c *a* : c, cid$_0$ *p* : cloudy *n*.
28	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	10	h	h	I	I	J	J	d_0	d_0	...	...	d_0	d_0	c, cid$_0$ *a* : cid$_0$, c, cid$_0$ *p* : cid$_0$, od$_0$ *n*.
29	St	Cu: Ci	Frnb	10	9	4	5	9	4	G	J	1	1	k	1	●^{0}	●^{0}	...	...	●	...	cid, o●^{0}, cp●^{0} *a* : bcp●^{0}, cp●q↯ *p* : bc, cp●●^{0} *n*.
30	St: Stcu	St: Stcu	Frnb: Nbst	10	10	9	10	10	10	k	k	J	J	J	J	...	...	...	...	...	●^{0}	cp●●^{0} *a* : cp●, o●^{2}●q↯ 15h to 18h *p* : cp●^{0}, bc *n*.
31	Cunb: Cu	Cu: Acu: Ast: Ci	Cunb: Frnb	4	4	6	4	9	6	k	1	1	1	k	1	...	...	...	...	●	...	bc, cp●^{0}, bc *a* : bcp●q *p* : cp●^{0}, bc *n*.
Mean Cloud Am'nt.				8·0	8·0	7·4	8·4	8·4	8·1													
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.						

439. VALENTIA OBSERVATORY — NOVEMBER, 1935

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	Cunb: Cu: Stcu	Cunb: Stcu:Acu:Ci	Cu: Frnb: Ast	6	8	8	9	10	10	1	1	1	1	1	k	...	...	...	...	...	...	bci●, cp▲●, c *a* : cp▲^{2}●^{2}, cp● *p* : cp●^{2}●, c *n*.
2	Cunb: Cu: Stcu	Cunb: Stcu:Acu:Ci	Cu:Stcu: Acu: Ci	6	8	9	9	7	6	1	1	m	1	m	1	...	...	...	...	...	...	cp●●^{2}, bcp▲●, cp●^{0} *a* : cp●^{0} *p* : cp●, bc, c *n*.
3	Frnb: Nbst	St: Stcu	St: Frnb	10	10	9	9	9	8	I	1	1	J	J	k	●	...	...	●	●^{0}	...	c, c●^{2}●q 5h to 9h, then cp● *a* : cp●●^{0} *p* : ci●, p●^{0}● *n*.
4	St: Stcu: Acu	St: Cu: Stcu	St: Frnb	6	7	9	6	9	9	J	k	k	k	J	k	...	...	...	...	...	...	ci●●^{0}, c, cp●^{0} *a* : c, bcp●^{0}●, c *p*▲ : cp●^{0}, ci●^{0} *n*.
5	Cunb: Cu: Stcu	Cu: Stcu:Acu	Cunb: Cu: Stcu	6	4	3	2	5	5	k	1	1	1	1	1	...	...	...	...	...	...	o●●^{2} 1h to 4h, then bcp●^{0} *a* : bcp●^{0} *p* : cp●, bcp●^{0} *n*.
6	Frst: Stcu: Acu	St: Frnb: Nbst	St: Stcu: Ast	2	6	9	10	10	4	1	1	1	1	1	1	...	...	...	...	...	...	bcp●●^{2}, cp● *a* : cp●^{0}, c *p* : cp●^{0}●, bc *n*.
7	St: Cunb: Frnb	Cunb:Stcu:Acu:Ast	St: Stcu	9	6	4	10	9	7	J	1	1	k	1	k	●	...	...	...	...	...	bc, c●^{2}●, bcp●●^{0} *a* : bcp●, ci●^{2} *p* : ci●^{2}, cp●, ci●^{0} *n*.
8	St: Stcu: Acu	Cu: Acu	St: Frnb: Nbst	5	1	4	9	10	9	m	1	m	m	I	k	...	...	...	...	●	...	c, b, bc *a* : bc, c●●^{2}●^{0} 16h to 20h, then c to bc *p and n*.
9	St:Cunb:Frnb:Nbst	St: Stcu	Cu: Stcu: Acu	9	10	9	7	3	9	k	J	1	1	1	k	...	●	...	...	...	...	cp●●^{2}●^{0}, ci● *a* : cp●^{0}, bc *p* : bcp●, cp▲● *n*.
10	St: Cunb: Frnb	St: Cunb: Stcu: Ci	St: Cu: Stcu: Acu	10	9	6	7	9	8	J	1	k	k	k	k	●	...	...	...	...	...	cp●, c●^{2}●, cp●●^{0}, bc *a* : bc to c *p and n*.
11	St: Stcu	St: Frnb:Nbst	St: Cu: Stcu	10	10	10	10	6	8	k	J	I	J	k	1	...	●	●	●^{0}	...	...	bc⌓, ci●, c●●^{0} 8h to 16h, then cp●, bc, cp▲● *n*.
12	Cunb:Stcu:Acu:Ast	Cunb: Cu: Acu	Cunb:Cu:Stcu	8	9	5	9	4	4	1	k	m	1	1	1	...	●	...	●	...	...	bc, cp●●^{0}, bc *a* : cp▲^{0}, cp●, cp▲^{2}●^{2}, bc *p* : bc, cp●●^{0} *n*.
13	St:Stcu: Acu: Ast	Cunb:Stcu: Acu:Ci	St: Cu: Stcu	10	10	9	9	9	9	k	k	1	1	1	k	●^{0}	●^{0}	...	...	...	...	ci●●^{0}, bcp●●^{0}, cp▲● *a* : cp●^{0}, bc *p* : c, cp●●^{0} *n*.
14	St: Cu: Frnb:Acu	Cu: Stcu	Cunb: Frnb	9	9	4	5	9	9	1	1	m	m	1	k	...	●^{0}	...	...	▲^{0}	●^{0}	ci●^{2}, cp●^{0}, bc *a* : bc, cp▲^{0}●^{0} *p* : ci●, cp▲● *n*.
15	St:Cu:Frnb	Cunb:Frnb:Stcu	St: Stcu	9	8	9	9	9	3	k	k	1	1	1	1	...	●^{0}	...	...	...	...	cp●●^{0}, cp▲● *a* : cp●●^{0} *p* : cp●, bc, cp●^{0} *n*.
16	St: Cunb: Stcu	Cu:Stcu: Ci	Cu: Stcu	4	9	5	7	2	1	1	J	m	m	m	1	...	●	...	...	...	...	cp●●^{0}, bc, ci●, bc *a* : bc, c(), bcp●^{0} *p* : bc()⌓, bc⊔, cp [●^{0} *n*.
17	St: Cunb: Frnb	Cu: Frnb: Stcu	Cu: Frnb: Stcu	9	9	9	9	9	4	k	k	k	k	k	1	●	...	...	●^{0}	●^{0}	...	cp●●^{0}, c *a* : cp●●^{0}q *p* : ci●, bc, cp●●^{0} *n*.
18	St: Cu: Stcu: Acu	Cu: Stcu: Acu	Stcu: Acu	7	7	2	9	1	9	k	1	1	1	m	1	...	...	...	...	...	●^{0}	c, cp●^{0}, bc *a* : bc, c(), b() *p* : bc, cp●^{0} *n*.
19	St: Frnb:Nbst	Cu: Stcu	St: Stcu	10	10	5	9	9	3	J	h	1	1	k	k	●	●^{2}	...	...	●^{0}	...	cp●^{0}, o●^{0}●●^{2}q 3h to 11h *a* : bc, cp●^{0} *p* : cp●^{0}, bc, [cp▲● *n*.
20	Cu: Stcu	Cu:Acu: Cist:Ci	Acu: Ci	1	3	9	9	1	1	1	1	m	1	1	1	...	...	...	...	...	...	cp▲●, b, bc *a* : c, bc, b *p* : b, bc, c *n*.
21	St: Stcu	St: Stcu	Frcu: Acu	10	9	6	9	1	0	J	J	k	1	1	1	...	...	...	...	...	...	ci●^{0}, c, bc *a* : bc, c, b *p* : b *n*.
22	Cu: Cist: Ci	St: Stcu	St: Stcu	3	8	9	9	7	2	1	m	k	J	J	k	...	...	...	...	...	...	b, bc, cid$_0$ *a* : bc, c *p* : c, bc *n*.
23	St: Stcu	Frcu	Stcu	9	9	1	1	1	10	k	k	k	k	k	J	...	...	...	...	...	...	bc⌓, c, bc *a* : bc, b *p* : b, bc, o, c *n*.
24	---	Stcu	Stcu	0	1	9	2	9	1	k	k	k	k	k	k	...	...	...	...	...	...	bc, b⊔, c *a* : c, bc, c *p* : c, b, bc⌓ *n*.
25	St: Stcu	St: Stcu	St: Stcu	7	7	9	10	10	10	1	1	1	1	k	k	...	...	...	...	...	...	bc⌓, b⊔, cid$_0$ *a* : ci●^{0}, c *p* : ci●^{0} *n*.
26	St: Stcu	St: Stcu	St: Stcu	6	6	9	10	9	4	1	1	1	1	1	1	...	...	...	●^{0}	...	...	ci●●^{0}, bc, cp●^{0} *a* : cp●^{0}, c *p* : cp●^{0}, bc, c *n*.
27	St:Stcu:Acu: Ast	St: Stcu: Ast	St	10	10	10	10	10	10	1	1	J	I	h	h	...	...	●^{0}	●^{0}	d	●^{0}	cp●^{0}, c, ci●^{0} *a* : ci●^{0}, c●^{0}● 13h to 16h, then od *p* : od, [oi●●^{0} *n*.
28	St: Frnb	St:Stcu:Acu: Ast	St: Stcu	10	8	9	10	9	9	J	k	1	k	1	1	●^{0}	...	...	...	...	...	o●^{0}, op●^{0}, bc *a* : cloudy *p* : c, bc, cp●^{0} *n*.
29	St: Stcu	St: Frnb:Stcu	St: Frnb: Nbst	7	9	9	7	10	10	k	J	k	1	J	k	...	●	●^{0}	...	●	...	cp●●^{0}, bc *a* : cp●^{0}● *p* : cp●q, cp●^{0} *n*.
30	St:Cunb:Frnb:Ast	St: Frnb	Frst:Stcu:Acu:Ast	9	10	10	10	10	10	k	I	J	J	J	J	...	●	●^{0}	●^{0}	...	...	cp●^{2}●●^{0}q *a* : c●^{0}●q 12h to 15h, then ci●^{0} *p* : cloudy [*n*.
Mean Cloud Am'nt.				7·2	7·7	7·3	8·0	7·2	6·4													

440. VALENTIA OBSERVATORY — DECEMBER, 1935

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	Cunb: Cu:Frnb	Frst:Cunb:Stcu:Ci	Cunb:Frnb: Acu	9	8	6	5	7	7	J	k	k	1	k	k	...	...	●^{0}	...	...	...	c, ci●^{0}q, o●, cp▲^{0}●^{0}▲● *a* : bcp●^{0}q, c *p* : cp▲●q [*n*.
2	St: Cu: Frnb	Cu	Cunb: Frcu	7	4	4	6	3	5	J	1	1	1	1	1	▲^{0}	...	...	...	...	...	cp▲●▲^{0}●^{0}q, bcp●^{0} *a* : bcp▲●q, bc *p* : bcp▲●, [cp●^{0} *n*.
3	St: Frnb	Frnb: Stcu	Cunb: Stcu: Ast	10	10	9	9	9	9	J	J	J	k	1	1	●^{0}	●^{0}	●	...	...	...	oi●^{0}, c●^{0}, cp● *a* : cp▲●, cp●^{0}, c *p* : c, p▲● <q, c *n*.
4	Cunb: Stcu	Frnb	Frnb: Stcu	6	5	10	10	10	7	k	1	J	1	k	k	...	...	▲	...	●	▲	bcp●^{0}, cp▲●q, cp●^{0}● *a* : cp▲●▲^{0}●^{0}q *p* : cp●, [cp▲●q, ci●, bc *n*.
5	St: Cunb: Frnb	St: Stcu: Ast	St: Stcu: Ast	10	8	10	10	10	10	J	J	1	1	k	k	▲	●^{0}	●^{0}	...	●	...	bc, cp▲●q, cp●^{0}, bc *a* : cp●^{0}, c, ci● *p* : c, o● *n*.
6	St: Stcu	Cu	Cu	7	9	3	7	3	10	k	k	1	1	1	k	...	▲	...	...	...	...	o●q, cp●●^{0}, cp▲●, cp●^{0} *a* : bc, c, bc *p* : cloudy *n*.
7	St:Stcu:Acu: Ast	St	St: Stcu	9	10	10	4	9	9	J	J	J	k	1	1	...	d$_0$	●	...	...	...	c, bc⌓, cid$_0$, od● *a* : od●, bc, c *p* : c, bc⌓, c *n*.
8	St: Stcu	Cu: Stcu: Acu	Cu: Stcu: Acu: Ci	9	9	4	7	8	3	J	k	k	k	k	k	...	...	...	...	...	...	c, bc *a* : bc, c *p* : bc *n*.
9	St: Stcu: Acu	Acu: Cicu: Ci	Acu	9	9	3	6	1	1	k	1	m	m	m	m	...	...	...	...	...	...	b, bc⌓, c *a* : bc(), b⌓ *p* : b⌓, b⊔ *n*.
10	---	Ci	Acu: Ci	0	0	4	8	7	1	1	1	1	1	1	k	...	...	...	...	...	...	b⊔, bc *a* : bc, c *p* : c, bc⌓, b⊔ *n*.
11	---	Stcu	St: Stcu	0	0	9	10	10	10	k	1	1	k	J	J	...	...	...	...	...	...	b⊔, bc, c *a* : cloudy *p and n*.
12	St: Stcu	St: Stcu	St: Stcu	10	10	10	10	10	10	J	J	J	J	J	J	...	...	...	...	...	...	cloudy throughout.
13	St: Stcu	St: Stcu	Stcu	10	10	10	10	10	10	k	k	k	k	k	J	...	...	...	...	...	...	cloudy *a* : c, o *p* : o, c *n*.
14	St: Stcu	St: Stcu	Cu: Stcu	10	10	9	9	9	3	k	h	J	k	1	1	...	●	...	...	...	...	c, c●●^{0} 8h to 13h *a* : cp●^{0}, c *p* : cp●^{0}, bc, cp● *n*.
15	St:Cunb:Frnb:Acu	Cu: Frnb: Acu	Cu: Frnb	7	9	8	5	8	10	1	k	k	1	1	1	...	...	...	...	...	...	bc, cp●^{0}● *a* : cp●^{0}, bc, cp▲q *p* : cp●^{0} *n*.
16	Frst: Cu:Frnb:Ci	St: Stcu: Ast	St:Stcu:Acu: Ast	9	9	9	9	9	10	J	1	1	1	1	1	●^{0}	...	...	...	...	...	cp●^{0}, c *a* : cp●^{0}, c *p* : cloudy *n*.
17	St: Stcu	Cu: Ci	Ci	2	9	1	1	3	4	1	1	m	m	m	1	...	...	...	...	...	...	c, bc⌓, cp●^{0}, bc *a* : b, bc() *p* : bc⌓, bc⊔ *n*.
18	St: Stcu: Ast	St: Stcu: Ast	St: Stcu: Ast	10	10	10	9	9	7	1	I	m	m	m	1	...	●^{0}	...	...	...	...	c, ci●^{0}, c● 9h to 12h *a* : c()q *p* : c(), cp●^{0}, bc *n*.
19	St:Stcu: Acu: Ast	St: Stcu	Stcu: Acu: Ast	10	10	10	10	9	0	1	k	k	k	k	k	...	...	●^{0}	●^{0}	...	...	c, cid$_0$ *a* : cid$_0$, c●^{0}, c *p* : c, b⌓, b⊔ *n*.
20	St:Stcu: Acu: Ast	Acu: Ci	Acu: Ci	4	7	7	7	2	2	k	m	m	m	m	1	...	...	...	...	...	...	b⊔, bc, c *a* : cy(), c, bc *p* : bc⌓, bc⊔ *n*.
21	Acu: Ast: Ci	Cu: Ci	Cu: Stcu: Ci	3	4	3	5	2	1	1	m	m	m	m	1	...	...	...	...	...	...	bc⊔, bc *a* : bc *p* : bc⌓, b⊔ *n*.
22	Cu: Stcu	Stcu: Cist:Ci	Stcu: Cist: Ci	3	7	9	10	8	7	1	1	k	k	k	k	...	...	...	...	...	...	b⊔, c, bc, c *a* : cloudy *p* : c⌓, c⊔ *n*.
23	Cu: Stcu	Stcu: Ast	Frnb: Stcu: Ast	2	9	10	10	10	10	1	1	1	J	k	J	...	...	...	...	...	●^{0}	bc, c *a* : c, ci●, cq *p* : cq, o●^{0} from 20h *n*.
24	St: Frnb	Cu: Stcu	St: Ast: Acu	10	10	3	7	7	3	J	1	1	1	1	1	●	●	...	...	...	...	o●●^{0}q to 5h, then oi●●^{0}, cid$_0$ *a* : bc, c *p* : c, bc, c *n*.
25	Cu: Frnb: Stcu	Cu: Stcu: Acu	Cu:Frnb:Acu: Ast	9	8	9	9	9	8	k	m	m	1	1	1	●	...	...	...	...	...	bc, cp●, c() *a* : c, cp●●^{0}, c *p* : c, cp●^{0}● *n*.
26	St: Frnb	Cu: Frnb: Acu:Cicu	Cu: Frnb	7	8	6	7	9	8	k	k	1	k	k	k	●	...	...	...	...	...	cp●^{0}●, bc *a* : cp●●^{0} *p* : c, cp●^{0}, c *n*.
27	St: Cu: Stcu	St: Stcu: Ast: Acu	St: Stcu: Ci	8	9	8	8	6	1	k	k	1	1	1	k	...	●^{0}	...	...	...	...	cp●^{0}●, ci●^{0} *a* : ci●, c●^{0}● from 10h *a* : cp●^{0}, bc *p* : bc, b *n*.
28	St: Stcu: Acu	Stcu: Ast: Acu: Ci	Stcu: Ast: Acu	5	8	7	9	9	1	k	J	1	1	k	k	...	...	...	...	...	...	bc, cp●^{0}, ci●^{0} *a* : cloudy *p* : c, bc, b⌓ *n*.
29	St: Stcu	St: Frnb: Nbst	St: Stcu: Ast	7	9	10	10	8	7	k	m	J	J	J	k	...	...	●	●	...	...	bc, cp●^{0}, c *a* : c●●^{0}q 12h 30m to 17h *p* : c, b, cp▲● *n*.
30	St: Frnb	St: Stcu	St: Stcu: Acu: Ci	10	9	9	3	9	9	J	k	k	k	J	J	●	...	...	...	...	...	cp●, c●^{0}● 2h to 6h, then ci●, cp●^{0} *a* : c, bc, c *p* : cp●^{0}, c *n*.
31	St: Frnb	Frst: Cu: Ci	St. Stcu	9	7	4	9	7	7	J	k	k	k	k	1	●^{0}	...	...	...	...	...	ci●●^{0}, cp●^{0}●, bc *a* : bc, cp▲^{2}●^{2}, cp●^{0} *p* : c, cp●^{0}, bc *n*.
Mean Cloud Am'nt.				7·1	7·9	7·2	7·7	7·4	6·1													
Mean Annual Cloud Am'nt.				7·5	7·5	7·4	7·7	7·5	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.						

M.O. 390
(Kew)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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
1937

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 this volume. The photographs were taken in 1935. For the early history of the Observa-

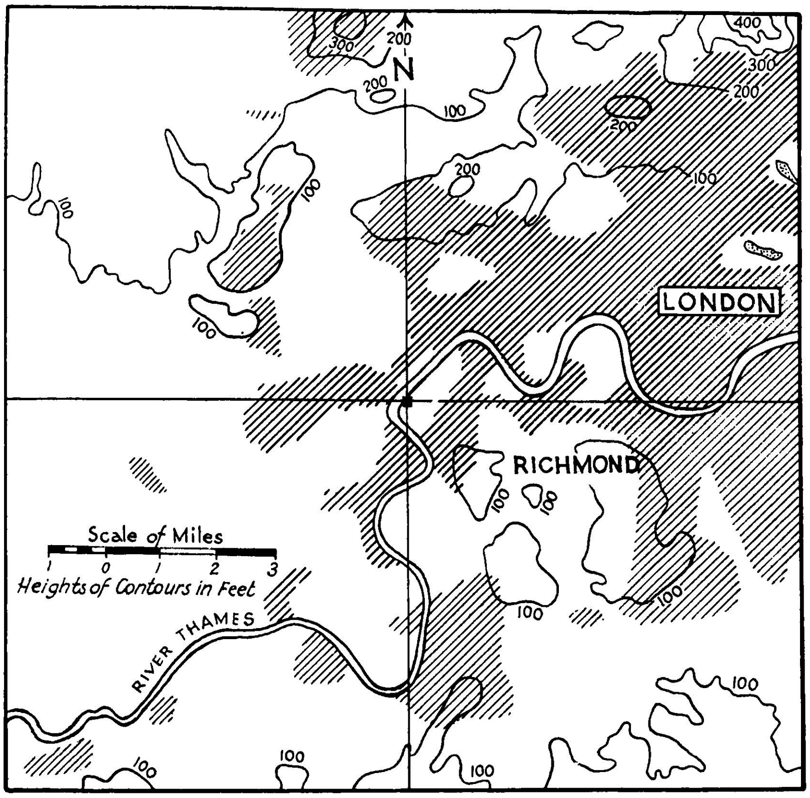


FIG. 19.—CONTOURED MAP SHOWING SURROUNDINGS OF KEW OBSERVATORY.

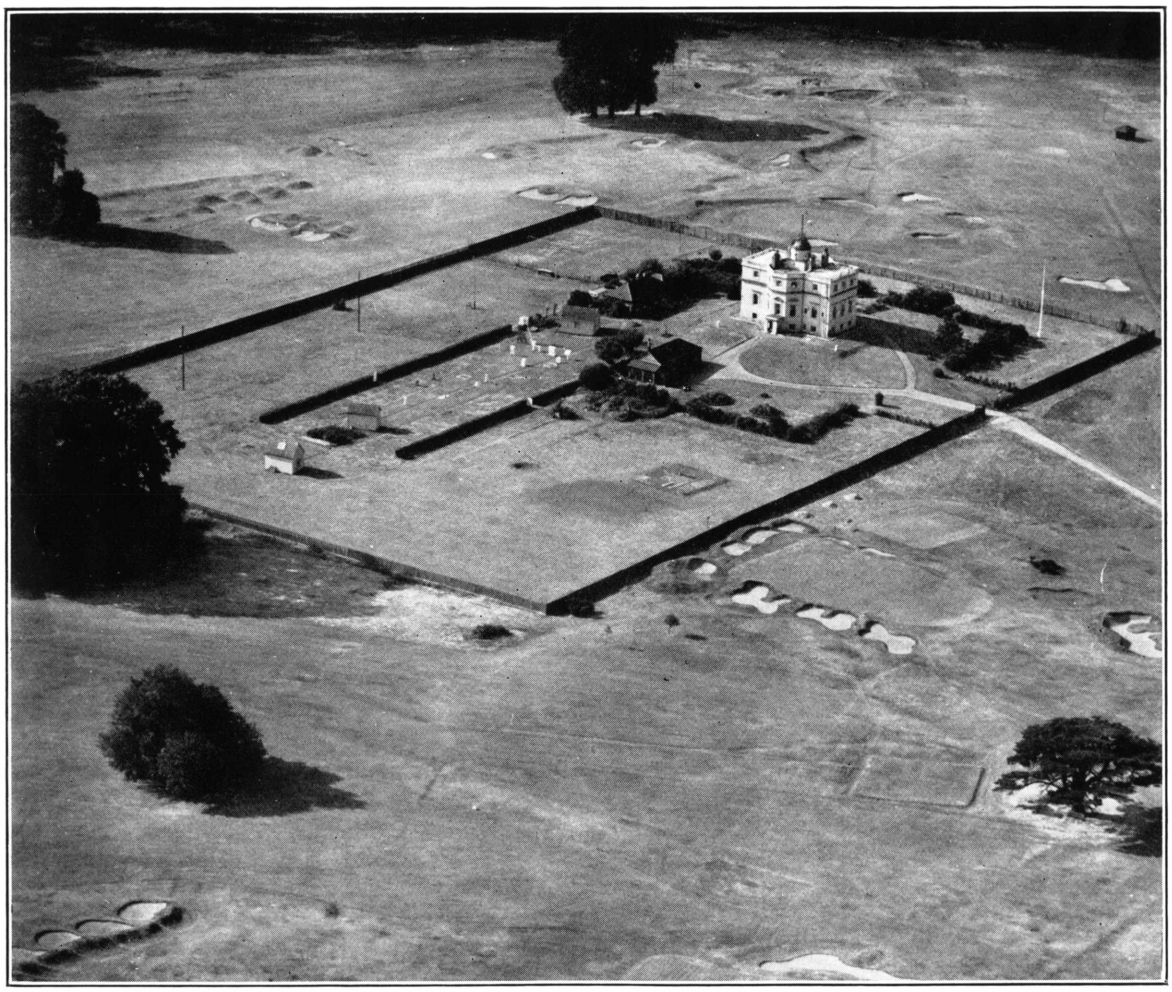


FIG. 20.—AERIAL PHOTOGRAPH FROM S.E., AUGUST, 1935.

To face p. 354

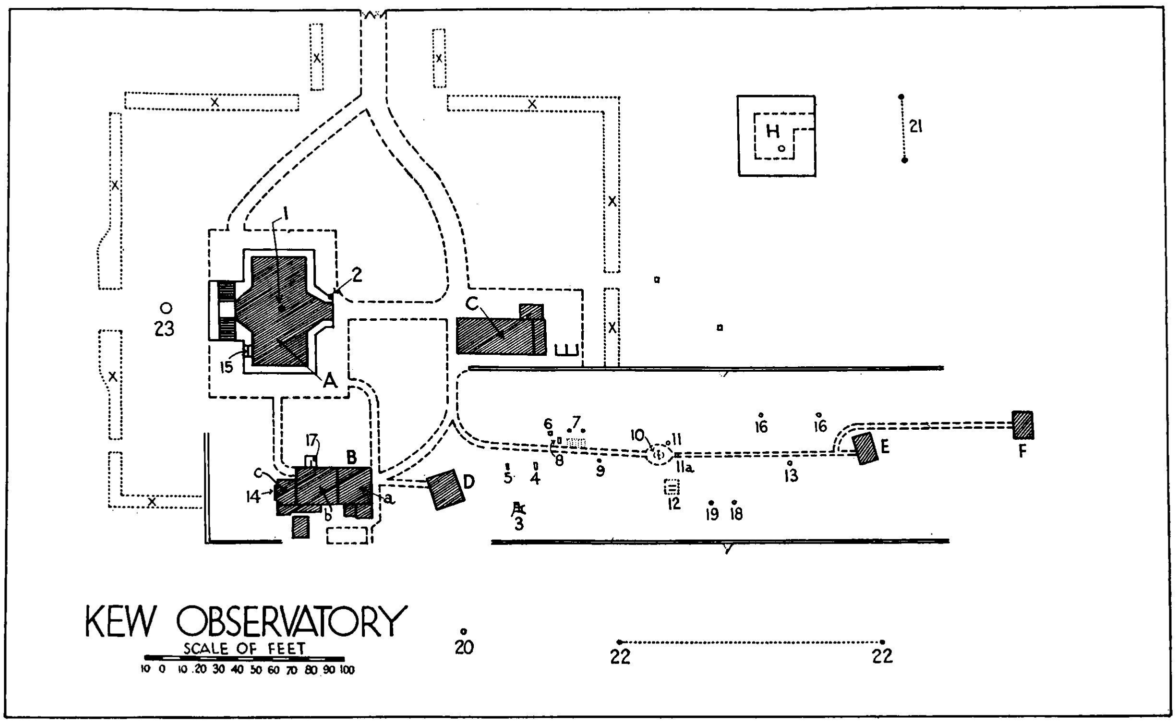


FIG. 21.—SITE PLAN.

FIG. 22.—GENERAL VIEW FROM S.W., SEPTEMBER, 1935.

A.—MAIN OBSERVATORY BUILDING. B.—CLINICAL HOUSE.
a.—UPPER AIR SECTION. b.—ELECTROGRAPH ROOM. c.—NORTH ANNEXE.
C.—WORKSHOP. D.—EXPERIMENTAL HUT. E.—OLD MAGNETIC HUT.
F.—NEW MAGNETIC HUT. H.—UNDERGROUND LABORATORY. X.—SHRUBBERY.
1.—DINES PRESSURE TUBE ANEMOMETER. 2.—CAMPBELL STOKES SUNSHINE RECORDER.
3.—HIGH STEVENSON SCREEN. 4.—STEVENSON SCREEN.
5.—BESSON COMB NEPHOSCOPE. 6.—GLAISHER STAND.
7.—EARTH THERMOMETERS. 8.—EARTH THERMOGRAPH.
9.—PILLAR. 10.—BLACK BULB THERMOMETERS.
11.—RAINGAUGE. 11a.—BECKLEY AUTOGRAPHIC RAINGAUGE.
12.—GRASS MINIMUM THERMOMETERS. 13.—THEODOLITE PILLAR.
14.—OWENS AIR FILTER AND POLLUTION GAUGE. 15.—NORTH WALL SCREEN.
16.—POLLUTION GAUGES. 17.—ELECTROGRAPH COLLECTOR.
18.—STORM GAUGE. 19.—RAINFALL CHRONOGRAPH.
20.—POINT DISCHARGE MAST. 21.—POSTS FOR STRETCHED WIRE APPARATUS.
22.—MASTS FOR POTENTIAL GRADIENT OBSERVATIONS UP TO 10 METRES.
23.—JARDI RATE OF RAINFALL RECORDER.

tory reference may be made to papers by S.P. Rigaud*, R.H. Scott†. C. Chree‡ R.S. Whipple††, and O.J.R. Howarth‡‡.

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 + C·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 $g = 981{\cdot}199 \mathrm{cm/sec}^2$. This is the value given by pendulum observations.†††

---

*Observatory, London 1882, p.279.

†London, Proc. roy. Soc., 39, 1885 pp. 37-86.

‡London, Rec. Roy. Soc., 1897

††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.* There were 20 hours in the year 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 and the scale value was 1 mm. = 0·3336°A; for the wet-bulb, the old Falmouth wet-bulb tube (no number) was in use and the scale value was 1 mm. = 0·290°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.

---

*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. The photo-thermograph was completely overhauled between May 20th and 25th; during this period the mercury in steel thermograph was temporarily housed in a second North Wall Screen.

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. 464 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 1935, 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 1½ m. 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 of the Beckley gauge 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 azimuths in which the sun can rise and set are 1° and 3° respectively.

Solar Radiation.- For previous years 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 in the Year Book. From 1934 these observations have been supplemented by daily totals of radiation recorded by the Gorczynski pyrheliograph. 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/cm². (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"

The Ångström instruments in use are by Rose, Stockholm. No. 24 was in use throughout the year. The ammeter is No. 68956, which was certified at the National Physical Laboratory in 1919.† The readings are evaluated according to Ångström's original instructions.†† To bring the readings into

---

*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.

†In view of the discovery by Marten (Berlin, Ber.Meteor. Inst., 1928, p.64) that errors are likely to be caused by temperature changes produced in a microammeter when sunshine falls on it, it may be noted that the instrument used at Kew is always in shadow.

††London, Report of the International Meteorological Committee, St.Petersburg, 1899, p.57.

accordance with the scale adopted by the Smithsonian Institution, a correction of + 3·5 per cent. would be required.‡

The Moll thermopile of the Gorczynski 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 given in joules/cm^2 (1 joule = ·239 calorie).

<u>Wind Speed and Direction</u>.-

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.

<u>Earth Temperature</u>.- 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.

<u>Minimum Temperature on the Grass</u>.- 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.

---

‡R.E. Watson, London, Met. Off., Geophys. Mem., 3, No. 21, 1923.
*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 1934.

Control barometer	Newman 34
Control Dry Bulb Thermometer	No. 666
Control Wet Bulb Thermometer	No. 788
Recording Beckley Raingauge	1
Jardi Rate of Rainfall Recorder	M.O. 3/32
Control Raingauge (8-inch)	M.O. 1271
Measuring Glass for the Control Raingauge ..	1693 & 1589
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 barograph	"

Thermometer Corrections, 1934.

	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	-0·1	12	+ ·1	273	·0	273	+ ·1	22	·0
	32	-0·1	32	·0	280	·0	280	+ ·2	32	·0
	52	-0·1	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 year was warm, especially in the summer months.

The lowest reading of the "grass minimum" thermometer was 261·1°A (10·6 °F) on Dec. 22nd.

The lowest temperature in the North Wall Screen, 268·9 °A (24·6°F) was recorded between 8h. and 9h. on Dec. 23rd.

Dec. 23rd was an "ice day" the maximum temperature in the North Wall Screen being 271·8°A (29·8°F).

The maximum temperature in the same screen was 302·5°A (85·1°F) on July 14th.

There were 14 days on which the maximum temperature exceeded 300° A(80·6 °F).

The rainfall for the year was 7% above the normal.

The heaviest fall occurred on July 2nd, 28 mm.

The sunshine for the year, 1511 hours was 46 hours in excess of the normal.

The excess was greatest in July.

The highest wind velocity recorded in a gust was 31 m/s (69 mi/hr) on Sept. 17th.

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 t is the time in hours since midnight the inequality is given by the expression

$$c_1 \sin (15t^\circ + \alpha_1) + c_2 \sin (30\, t^\circ + \alpha_2) + \ldots\ldots\ldots\ldots\ldots\ldots,$$

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.

*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	
	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
January	·07	·02	317	315	·35	·31	149	151	·17	·17	339	346	·06	·07	184	202
February	·27	·05	161	73	·30	·36	148	146	·15	·12	350	340	·03	·03	90	108
March	·41	·11	339	38	·45	·40	152	149	·08	·07	321	332	·06	·04	14	25
April	·42	·28	192	31	·41	·40	152	151	·05	·03	188	185	·04	·04	14	353
May	.33	.32	36	27	·39	·35	146	148	·07	·09	164	161	·02	·02	279	319
June	·15	·30	20	17	·33	·32	143	143	·10	·09	153	160	·01	·01	56	260
July	·52	·26	15	16	·33	·31	141	140	·11	·10	145	153	·00	·01	-	281
August	·35	·21	6	20	·38	·34	141	144	·08	·06	140	155	·05	·04	305	309
September	·37	·12	188	6	·38	·40	146	152	·01	·01	261	350	·06	·04	331	332
October	·18	·06	253	76	·45	·38	151	160	·10	·09	354	359	·02	·01	291	22
November	·25	·03	80	124	·23	·34	142	160	·12	·13	3	358	·04	·03	126	183
December	·37	·08	123	137	·28	·31	169	152	·17	·15	355	353	·09	·07	220	205
Arithmetic Mean	·31	·15	-	-	·35	·35	-	-	·10	·09	-	-	·04	·03	-	-
Year	·06	·14	51	29	·35	·35	148	150	·03	·03	3	359	·01	·01	294	280
Winter	·17	·03	122	111	·29	·33	152	152	·15	·14	351	350	·04	·05	180	208
Equinox	·16	·14	226	32	·42	·39	150	153	·03	·04	327	345	·04	·03	352	359
Summer	·33	·27	18	20	·36	·33	143	144	·09	·08	150	157	·02	·02	301	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		$\alpha 1$		c_2		α_2		c_3		α_3		c_4		α_4	
	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926	1935	1871-1926
	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°
January	·92	·99	229	221	·36	·43	28	35	·12	·17	204	208	·02	·01	314	3
February	1·26	1·53	218	221	·55	·57	36	34	·09	·12	228	211	·06	·06	193	169
March	2·70	2·45	217	222	·57	·63	37	40	·03	·07	313	334	·14	·11	179	197
April	2·51	3·21	230	226	·29	·48	49	51	·18	·22	18	24	·08	·07	207	218
May	3·61	3·72	227	227	·29	·15	31	74	·31	·31	14	35	·09	·04	20	20
June	3·28	3·72	231	226	·06	·02	50	84	·29	·26	26	35	·08	·10	77	33
July	4·19	3·68	221	225	·11	·06	53	50	·39	·29	26	31	·08	·07	40	28
August	4·16	3·54	221	226	·25	·34	58	52	·36	·30	35	28	·04	·03	271	218
September	2·80	3·22	229	228	·52	·71	42	49	·27	·14	42	24	·11	·16	210	213
October	2·05	2·32	227	229	·66	·76	43	50	·09	·10	281	248	·14	·12	208	200
November	1·26	1·39	221	226	·55	·57	62	44	·23	·18	232	232	·04	·02	289	141
December	·81	·90	231	226	·39	·40	34	41	·14	·16	191	215	·05	·04	46	38
Arithmetic Mean	2.46	2·56	-	-	·38	·43	-	-	·21	·19	-	-	·08	·07	-	-
Year	2·45	2·56	225	226	·38	·42	43	45	·10	·08	19	17	·02	·02	194	195
Winter	1·06	1·20	224	223	·45	·49	41	39	·14	·15	215	217	·01	·01	273	121
Equinox	2·51	2·80	226	226	·51	·64	43	47	·11	·09	17	4	·11	·11	200	207
Summer	3·80	3·67	225	226	·17	·14	46	59	·33	·29	25	32	·05	·04	35	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. Up to August 1933 the level recorded was that of the surface of the water in a pipe passing through the floor of the basement. From August 17th 1933 to December 20th 1934 the float rested on the bottom of the well, the water being lower than at any previous time since the installation of the apparatus. From November 1933 to December 1934 observations were made on the site of a pump in the garden, about 25 metres west of the well in the basement. The zero of the scale of height is at the same level as that of the well in the basement. According to measurements made in January 1935 the height of the bench-mark above this zero was 750 cm. The height of the bench-mark, which is on the east wall of the observatory, above the (Newlyn) datum of the Ordnance Survey was determined in 1932 as 23·245 feet = 763 cm. Accordingly the height of the zero above Ordnance datum is 13 cm. In 1935 the well in the basement was used except during the period Aug. 23rd-Oct. 3rd when it was again dry.

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	7·7	7·9	7·1	7·8	6·8	6·9	5·5	6·3	7·1	7·0	7·5	7·6	7·1

Mean Amount of Cloud for the Year at the Six Observation Hours.

Hour ..	7h	9h	13h	15h	18h	21h
Cloud ..	7·1	7·5	7·8	7·5	6·7	5·9

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, Conductivity and Air-Earth Current.- Since 1909 and current flowing from air to earth has been estimated by the method developed by C.T.R. Wilson.* Until the end of 1930 the observations incorporated in the Year Book were made with an electrometer set up on a tripod. The current received by a small plate mounted on the electrometer was measured, as well as the strength of the electric field over this plate. From these measurements the effective conductivity of the air was deduced and hence the strength of the current in the natural electric field.

It was always realised that this scheme was not entirely satisfactory. The construction of an underground laboratory has facilitated an improvement. The current which is now measured is that flowing into a plate which 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. A detailed description of the installation has been published in a Geophysical Memoir† prepared by Mr. F. J. Scrase. The electrometer is calibrated once a month by means of Weston standard cells. Since the beginning of 1932 absolute measurements on fine afternoons at 14h 30m of potential gradient, air-earth current and conductivity have all been made with this apparatus.

The potential gradient, F, is given in volts per centimetre by the formula,

$$F = 4\pi(9\times10^{11})\ Cv/A,$$

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. A minor alteration was made to the apparatus on 11th October 1933 when a shutter was fitted to the electrometer system so that the latter can be completely screened from the compensator whilst readings are being made. This involved a slight change in the capacity from 6·00 to $5{\cdot}91 \times 10^{-11}$ farads. The diameter of the test plate is 20·8 cm. The mean strength of the electric field is derived from five observations made at intervals of about 6 minutes.

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

*Cambridge Proc. Camb. Phil. Soc., 13, 1906, p. 184.
†London, Met. Off., Geophys. Mem., No. 60, 1934.

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 1935 the mean value of the current for the year, allowing equal weight to each month is 112×10^{-18} amp. cm.$^{-2}$ This is somewhat higher than the corresponding values for other years, the mean value for the period 1912 to 1934 being 100×10^{-18} amp. cm.$^{-2}$ The mean value of the conductivity for the year is 38×10^{-18} ohm.$^{-1}$ cm.$^{-1}$ whilst the mean of corresponding values for the period 1912 to 1934 is 37×10^{-18} ohm.$^{-1}$ cm.$^{-1}$

Potential Gradient.- Two changes in the system by which potential gradient is estimated were made in 1932.

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. By the application of a factor the potential gradient at a specified site is deduced.

Up to Feb. 10th, 1932 the point at which the potential was measured was where the jet from a water dropper broke into spray. On that date a radio-active collector was substituted for the water dropper. The collector is 1·21 m. from the window and 1·87 m. above ground level. A collector freshly coated with polonium is now installed every six months. The adoption of the radio-active collector in place of the water dropper eliminates the risk of failure of the apparatus owing to frost.

The second change of practice was in the system adopted for standardization. Previously the absolute observations were made at a site in the Observatory garden, the potential at points one metre and two metres above the ground being determined with the aid of a lighted fuse carried by a long insulated rod and connected to an electrostatic voltmeter.

As from the beginning of 1932 the electrograph has been standardized by means of the observations of the field strength over the test plate of the Wilson apparatus at the underground laboratory. 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.

Owing to this change of practice there is a discontinuity in the published record of potential gradient. Amended values of the monthly and annual means of potential gradient for earlier years have been published in Mr. Scrase's memoir. The amended figures represent more closely the potential gradient in the open. The correction to be applied was + 12 per cent.

The control observations are now taken at 14h 30m. From the observations the factor is derived by which the potential gradient recorded by the electrograph must be multiplied to obtain the potential gradient in the open.

The mean factor for the year was 2·73. 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 36.6 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. As a negative potential gradient hardly ever occurs except when rain is in the neighbourhood, character 0 occurs on dry days and character 2 on days with continuous rainfall. 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 185: 138: 41. The corresponding figures for 1935 are 141: 161: 63.

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.

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 lines, and that the sign of the mean value was uncertain.

The extreme hourly values in Table 542 are 1255v/m at 9h on Dec.17th and -1310 at 3h on Apr. 7th. The former value is representative of foggy conditions. The extreme negative gradient was associated with moderate 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. In 1935 as in 1934 there were numerous occasions when negative potential gradient occurred in fine weather. This phenomenon, which has not yet been explained, happened with wind from North-East and mostly at night. The result was that the number of days with no negative potential gradient was reduced. The treatment of the months in which there were not 10 quiet days is shewn in the following list.

	Calendar Days	Other Spells	Total
Feb.	9	1	10
Apr.	6	1	7
Oct.	8	2	10
Nov.	6	2	8
Dec.	8	1	9

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.

All the inequalities 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 9h., the lower minimum at 4h. 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 v/m	Range v/m	Max. hr.	Min. hr.	Year	Mean v/m	Range v/m	Max. hr.	Min. hr.	Year	Mean v/m	Range v/m	Max. hr.	Min. 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					

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; (retrospectively) January 1, 1928; August 1, 1930; January 1, 1931; June 1, 1931; and March 1, 1933.

During 1935 the highest estimate of pollution was 6·1 mg/m³, this value occurring on December 23rd from 18h to 19h. There were 20 days on which the pollution reached 1·0 mg/m³; the number of hours credited with 1·0 mg/m³. or more being 74. The months in which these days and hours occurred are given in the accompanying table.

	days	hours
Jan.	3	13
Feb.	1	2
Mar.	3	7
Nov.	3	3
Dec.	10	49
Year	20	74

Table 544 gives for each month mean hourly values derived from all the days for which complete records were obtained. There were 360 such days in the year. The highest and lowest of these hourly values are underlined.

Table 545 gives diurnal inequalities derived from the date 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

*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/m^3.

	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Jan.-Feb.	·29	·25	·22	·40	·18	·24	·32	·25	·44	·19
Mar.-Apr.	·30	·10	·18	·27	·13	·15	·26	·17	·19	·15
May-June	·08	·07	·09	·05	·05	·06	·09	·10	·10	·05
July-Aug.	·07	·05	·05	·06	·07	·07	·05	·08	·08	·05
Sept.-Oct.	·19	·17	·15	·10	·13	·25	·15	·21	·10	·07
Nov.-Dec.	·26	·21	·25	·21	·29	·33	·29	·43	·30	·27
Year	·20	·14	·15	·18	·14	·18	·19	·21	·20	·13

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 occurrs 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 1935 the principal maximum was in the evening from January to May 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.

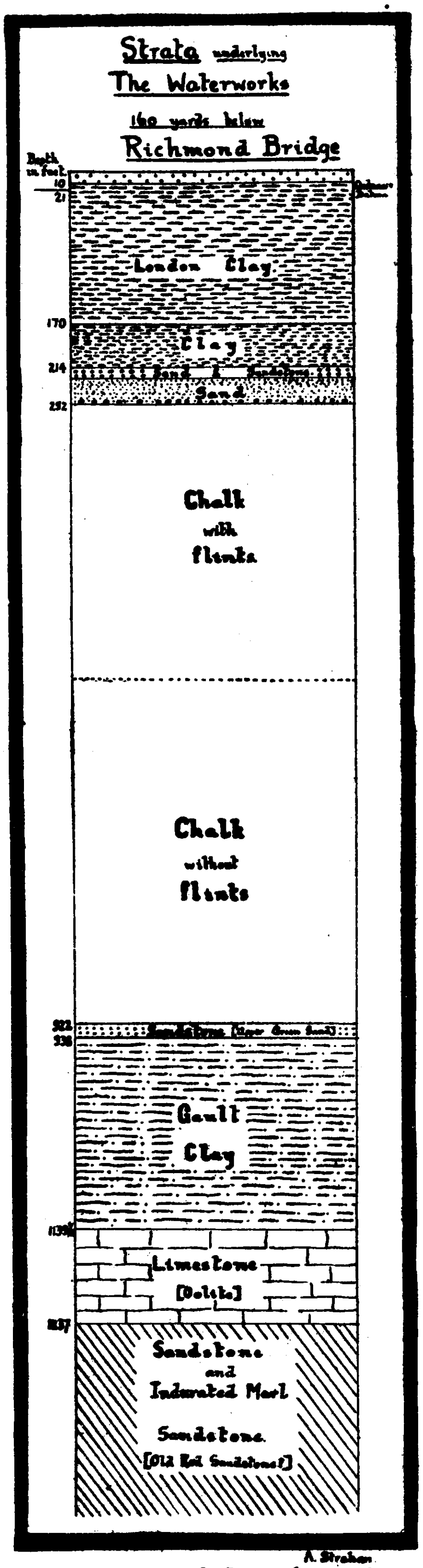
SEISMOLOGY.

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 séismographes, 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.



A. Strahan

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 Galtizin'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_1), 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 1935, and it has been assumed that the constants had not changed from the values determined in September, 1934. The pendulums were adjusted on January 29th, June 24th and November 1st, 1935 to counter slight tilting of the pillar.

In the following table are summarized 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	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 Wood-Anderson seismograph was also in operation throughout 1935. A complete description of this instrument appears in the Bulletin of the Seismological Society of America, XV,1 Mar. 1925. The moving system is very small, that of the Kew instrument consisting of a small copper mass of dimensions 25·4mm x4·8 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 moving mass. The instrument is housed in the old magnetograph room beside the Galitzin pendulums, and is oriented to record the N-S component. The approximate constants during 1935 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 amended 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 (1μ=0·001 mm.), of the components of the true displacement of the ground from the position of rest. Displacements 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 formulae, 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

$$= \frac{T_p}{2\pi}\left[\left(\frac{\pi}{2} + \text{Arctan}\,\frac{2u_1}{u_1^2-1}\right) + \text{Arctan}\,\frac{2u(1-\mu^2)^{\frac{1}{2}}}{u^2-1}\right]$$

each inverse tangent being taken as between 0 and π

(2) Magnification of records

$$= \frac{kA\,T_p}{\pi\ell}\;\frac{1}{(1+u^2)(1+u_1^2)\,\{1-\mu^2 f(u)\}^{\frac{1}{2}}}$$

in these formulae T is the period of the earth wave considered, T, T, and μ are as defined on p.367.

$$u = \frac{T_p}{T},\quad u_1 = \frac{T_p}{T_1}\quad \text{and } f(u) = \left[\frac{2u}{1+u^2}\right]^2$$

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, Ottowa, 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 letter 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 231. The phases being sufficiently well defined, estimates of the epicentral distances were obtained for 72 shocks, whilst in 10 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 13 earthquakes which produced a disturbance at the observatory with an amplitude exceeding 0·1mm. in a horizontal component. These earthquakes originated, in the sea of Marmora (January 4th), in the Mediterranean Sea near the coast of Tripoli (April 19th), in Northern Formosa (April 20th), around Quetta (May 30th), in the Pacific Ocean east of Formosa (September 4th), near Northern Japan (September 11th and October 18th), in new Guinea (September 20th), in the Pacific Ocean off Japan (October 12th), in the Pacific Ocean off Central America (December 14th), in the Solomon Islands (December 15th), south of the Riu-Kiu Islands (December 17th) and in the Indian Ocean off Western Sumatra (December 28th).

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

*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, and previously at Eskdalemuir, have hitherto been 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) have shown* that the vertical is more reliable than either of the horizontal components for such tabulations. 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 vertical component has therefore been adopted from the beginning of 1935. The results obtained for 1932 shewed that, within the accuracy of the measurements, the annual means of amplitude and period were equal for the three components.

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	5·4	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 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 amplitudes and the period of the oscillations, the ratio varying from 1·2 for microseisms of period $4\frac{1}{2}$ 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 compo-

* A. W. Lee, London, Met. Off., Geophys. Mem., 7, No. 66, 1935.

nents. Values obtained by interpolation or from the horizontal seismograms are bracketed in the tables.

The mean values of amplitude and period, together with the maximum amplitudes, for each month of 1935 are given below:-

Kew Observatory. Microseisms of Vertical Component. 1935.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Mean Period. (sec.).	6·5	6·3	6·3	5·2	5·1	4·9	5·0	4·8	5·2	6·1	6·5	6·1	5·7
Mean Amplitude (μ)	1·7	2·6	1·3	0·7	0·2	0·2	0·2	0·2	0·6	1·4	1·8	1·9	1·1
Maximum Amplitude (μ)	(12·1)	6·3	4·8	3·3	0·7	1·1	0·8	1·8	3·6	10·6	8·8	5·1	(12·1)
Day and hour of Maximum Amplitude	25;18	21;12	1;0	11;12	15;0	{8;0 24;12}	{16;6 16;18}	23;12	19;18	19;6	30;12	1;0	Jan 25;18

For comparison, the following table gives the monthly means of amplitude and period of the N-S component microseisms at Kew from 1926 to 1934.

Kew Observatory. Microseisms of North-South Component. 1926-34.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
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

The means of amplitude and period for the several hours are given in the following table. The values given are for the vertical component during 1935, and the average values for the N-S component from 1926 to 1934.

Hour (G.M.T.)		0h.	6h.	12h.	18h.
Z. (1935)	Amplitude (μ).	1·09	1·05	1·07	1·07
	Period (sec).	5·65	5·66	5·64	5·67
N-S (1926-34)	Amplitude (μ).	1·10	1·09	1·06	1·08
	Period (sec).	5·46	5·45	5·42	5·45

These figures indicate that there is no regular diurnal variation in the amplitude or period of the microseisms recorded by the Z and N-S components at Kew Observatory.†

† F.J.W. Whipple and A.W. Lee, "Studies in Microseisms," "London; Mon. Not. R. Astr. Soc., Geophys. Supp." 2, No. 7, 1931.

441. KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres JANUARY, 1935

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 (Station Level)	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	019·6	020·0	020·3	020·4	020·9	020·8	020·8	020·7	021·0	020·9	020·2	019·7	019·0	018·6	018·6	018·6	018·8	019·1	019·6	020·4	021·0	021·4	022·3	022·5	020·2
2	023·4	024·2	024·7	025·2	025·4	025·7	025·8	026·3	027·2	027·8	027·9	027·9	027·5	027·6	028·2	028·9	029·6	030·1	030·7	031·3	031·7	031·9	032·1	032·6	027·9
3	032·4	032·3	032·3	032·6	032·5	032·4	032·5	032·5	032·7	032·7	032·7	031·8	031·0	030·4	030·1	029·3	029·0	028·9	028·6	028·1	027·8	026·7	026·7	026·2	030·6
4	025·5	024·7	024·6	024·3	024·1	023·9	023·6	023·5	023·3	023·3	023·1	022·4	021·7	021·5	021·7	021·8	022·0	022·0	022·0	022·1	022·0	021·8	021·6	021·5	022·9
5	021·3	021·0	020·8	020·2	019·9	019·7	019·5	019·5	019·2	019·2	019·3	018·7	017·8	017·4	016·6	016·4	016·2	015·7	015·1	014·7	014·2	013·8	013·5	013·1	017·8
6	012·5	012·4	011·8	011·7	011·3	011·4	011·6	011·8	012·2	012·5	012·8	012·5	012·3	012·3	012·7	012·9	013·0	013·2	013·3	013·4	013·4	013·6	014·0	014·2	012·6
7	014·2	014·6	014·6	014·6	014·7	015·0	015·5	015·7	016·3	016·7	016·4	016·4	016·3	016·3	016·6	016·7	016·9	017·4	017·5	017·7	017·9	017·9	018·4	018·5	016·3
8	018·4	018·6	019·0	019·5	019·8	019·9	020·6	021·2	022·0	022·4	022·7	023·0	022·9	023·1	023·6	023·9	024·6	025·1	025·6	025·8	026·2	026·4	026·4	026·5	022·6
9	026·7	026·8	026·9	027·2	027·2	027·4	027·6	027·9	028·8	029·0	029·2	029·0	028·5	028·1	028·4	028·5	028·6	028·8	029·2	029·5	029·9	030·1	030·1	030·2	028·4
10	030·3	030·4	030·6	030·5	030·3	030·4	030·6	031·0	031·6	031·7	031·6	031·1	030·9	030·9	030·9	030·9	030·9	030·9	030·7	030·2	030·4	030·2	029·6	029·6	030·7
11	028·8	028·8	027·9	026·9	025·9	025·7	025·0	024·6	024·1	023·6	022·4	020·7	019·2	018·1	016·8	014·8	013·6	014·2	013·6	012·8	012·6	012·4	012·2	011·6	020·2
12	011·3	011·0	010·4	009·8	009·2	008·5	008·4	009·0	009·3	009·6	009·8	010·0	010·0	010·3	011·1	011·9	012·7	013·4	013·8	014·3	014·3	014·7	015·2	014·6	011·3
13	014·4	014·6	014·4	013·4	013·4	013·7	013·4	013·3	012·8	013·5	013·0	012·5	012·0	012·1	011·8	011·2	011·0	010·8	010·6	010·6	010·2	009·7	009·8	009·8	012·3
14	009·8	010·5	010·9	011·3	011·5	012·0	012·7	013·7	014·6	015·4	016·1	016·6	017·4	017·8	018·7	019·5	020·4	021·2	022·1	023·1	023·6	024·2	024·9	025·8	016·9
15	026·2	026·9	027·7	028·0	028·4	028·8	029·6	029·8	030·9	031·5	031·7	031·6	031·6	031·6	031·9	032·6	032·9	033·1	033·5	033·8	034·2	034·4	034·6	034·8	031·1
16	034·8	034·7	034·7	034·7	034·5	034·6	034·6	035·0	035·5	035·9	036·0	035·9	035·5	035·5	035·3	035·5	035·6	035·7	035·8	035·7	035·6	035·9	035·9	036·2	035·3
17	035·9	035·9	035·7	035·6	035·2	035·4	035·1	035·3	035·9	036·1	035·9	035·7	035·0	034·3	034·2	034·1	033·9	033·8	033·7	033·7	034·0	034·0	034·0	034·0	034·9
18	033·9	034·0	034·1	034·7	035·1	035·1	035·3	035·9	036·7	036·9	037·1	037·0	036·6	036·7	036·7	036·9	036·8	037·1	037·2	037·2	037·2	037·2	037·2	037·2	036·2
19	036·9	036·6	036·6	036·5	036·6	036·5	036·8	036·9	037·2	037·3	037·4	037·2	036·9	036·4	036·4	036·5	036·7	036·9	037·2	037·5	037·8	038·0	038·1	038·0	037·0
20	038·0	037·9	037·8	037·9	038·0	038·0	037·9	038·0	038·4	038·6	038·7	038·2	038·0	037·7	037·2	037·2	037·6	038·0	038·0	038·0	038·4	038·4	038·4	038·2	038·0
21	037·8	037·8	037·4	037·2	037·0	036·8	037·0	037·8	037·9	037·9	037·5	037·1	036·6	036·1	036·0	036·3	036·2	036·4	036·7	037·0	036·9	036·7	036·2	036·1	037·0
22	035·9	035·6	035·5	035·2	034·9	034·7	034·9	035·0	035·4	035·6	035·6	035·2	035·0	034·7	034·6	034·7	034·9	035·1	035·0	035·2	035·1	035·0	034·9	034·8	035·1
23	034·6	034·3	034·1	033·9	033·6	033·2	033·5	033·8	033·7	033·7	033·6	033·3	032·6	031·7	031·0	030·8	030·9	031·1	031·3	031·5	031·7	031·5	030·5	030·1	032·6
24	029·8	029·5	029·4	029·3	028·8	028·0	027·7	027·5	026·9	026·8	026·0	025·0	023·6	022·7	021·8	020·6	020·2	019·7	018·2	017·3	016·4	014·9	012·6	010·8	023·5
25	009·7	008·2	006·8	003·7	002·3	000·3	998·9	996·8	995·5	994·5	993·6	992·2	991·2	990·2	988·6	988·2	987·4	987·1	986·6	985·9	984·7	984·6	985·0	985·6	994·2
26	986·3	986·5	986·6	987·2	988·8	990·9	992·9	994·8	995·8	997·0	997·8	998·7	999·2	000·2	000·7	002·7	004·3	005·7	006·7	007·9	008·7	009·6	010·6	011·0	998·2
27	011·7	012·4	012·6	012·6	013·7	013·9	014·1	014·7	015·5	016·4	017·0	017·0	017·0	017·3	017·7	018·5	018·7	018·8	019·4	020·0	020·9	021·7	022·0	022·3	016·7
28	022·4	022·6	023·2	023·5	023·6	024·0	024·5	024·9	025·1	025·6	025·8	025·6	025·4	025·0	025·0	024·9	025·0	025·1	025·2	025·0	024·9	024·7	024·8	024·7	024·6
29	024·4	024·3	024·1	024·0	024·0	024·4	024·4	024·7	025·0	025·3	025·2	025·1	024·8	024·6	024·7	024·6	024·7	025·0	025·2	025·4	025·4	025·3	025·3	025·5	024·8
30	025·1	024·6	024·4	024·0	023·6	023·1	022·9	023·1	022·9	022·6	022·3	021·4	020·8	019·9	019·3	018·9	018·7	018·2	018·0	017·8	017·5	017·1	017·0	016·8	021·0
31	016·6	016·5	016·5	016·6	016·7	017·0	017·4	018·2	019·3	019·9	020·2	020·2	020·4	020·4	020·3	020·2	020·8	021·2	021·0	021·5	021·3	021·2	020·8	020·5	019·3
Mean (Station Level)	1023 ·50	1023 ·49	1023 ·43	1023 ·30	1023 ·25	1023 ·26	1023 ·39	1023 ·64	1023 ·96	1024 ·19	1024 ·15	1023 ·83	1023 ·44	1023 ·21	1023 ·14	1023 ·18	1023 ·31	1023 ·51	1023 ·58	1023 ·69	1023 ·74	1023 ·71	1023 ·70	1023 ·65	1023 ·55
Mean (Sea Level)	1024 ·81	1024 ·80	1024 ·74	1024 ·61	1024 ·57	1024 ·58	1024 ·70	1024 ·95	1025 ·27	1025 ·50	1025 ·45	1025 ·13	1024 ·74	1024 ·51	1024 ·44	1024 ·48	1024 ·62	1024 ·82	1024 ·89	1025 ·00	1025 ·05	1025 ·02	1025 ·01	1024 ·97	1024 ·86

442. KEW OBSERVATORY: H_b = 10·4 metres FEBRUARY, 1935

Day (Station Level)	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	020·5	020·4	019·9	019·8	019·7	018·9	018·6	017·9	017·3	016·6	015·9	015·3	014·3	013·8	013·1	012·9	013·1	012·9	013·0	012·3	011·8	011·1	011·1	010·4	015·7
2	009·7	009·5	008·8	008·7	008·3	007·3	006·6	006·3	007·0	007·5	007·9	007·8	007·8	008·7	009·8	010·7	012·0	013·2	013·8	015·0	015·7	016·6	017·4	017·8	010·4
3	018·5	019·2	019·1	019·0	018·9	018·9	018·4	018·3	017·5	017·0	016·1	014·7	013·2	012·2	011·4	011·4	011·1	011·4	011·4	011·4	011·6	011·9	011·9	011·8	015·0
4	011·5	011·1	010·7	010·2	009·6	009·0	009·0	010·3	011·2	012·0	012·4	012·6	012·8	012·6	012·8	013·0	012·9	012·9	012·5	012·1	011·9	011·6	010·8	010·7	011·5
5	010·4	010·4	010·3	010·5	010·6	010·6	011·0	011·6	011·6	012·0	012·1	011·8	011·6	010·8	010·3	009·8	009·7	008·9	007·9	006·6	004·9	003·6	001·1	998·7	009·3
6	996·4	994·9	993·8	993·1	994·0	994·8	995·9	998·9	001·6	004·3	006·4	008·5	009·9	011·6	013·1	014·9	017·5	018·8	020·1	021·2	022·1	023·0	023·4	023·9	007·9
7	024·1	024·6	024·7	025·0	025·6	025·9	026·2	026·9	027·1	027·0	027·1	027·0	026·8	026·2	026·1	026·0	026·2	026·5	026·5	026·6	026·6	026·5	025·9	025·6	026·1
8	025·4	025·0	024·8	024·1	024·7	024·8	024·9	025·0	025·3	025·4	025·4	024·9	024·8	024·7	024·4	024·5	024·5	024·6	024·7	024·8	024·6	024·6	024·5	024·5	024·8
9	024·4	023·9	023·7	023·6	023·6	023·7	023·7	023·9	024·3	024·4	024·1	024·3	024·3	023·8	023·3	023·7	023·9	024·1	023·8	023·5	023·5	023·7	024·0	024·2	023·9
10	024·1	024·1	023·9	023·8	023·9	023·9	024·1	024·4	024·6	024·6	024·6	024·0	023·6	023·0	022·9	022·8	022·9	023·2	023·4	023·6	023·5	023·6	023·5	023·6	023·7
11	022·9	022·7	022·5	022·1	022·0	021·8	021·9	022·0	022·4	022·5	022·8	022·6	022·0	021·6	021·1	020·9	020·9	021·3	022·0	021·4	021·1	020·9	020·4	019·5	021·8
12	018·9	018·2	017·4	016·6	015·9	015·6	015·2	014·8	014·2	013·9	013·7	013·3	012·5	011·7	011·2	011·2	011·6	012·0	012·3	012·4	012·2	011·9	011·7	011·5	013·9
13	010·8	010·2	009·6	008·8	007·6	006·9	005·8	005·0	004·1	003·6	003·0	002·0	001·0	999·9	000·1	000·2	000·4	000·6	000·7	000·5	000·3	000·2	000·3	000·6	003·7
14	001·2	001·8	002·3	002·6	003·1	003·2	003·9	004·6	005·5	006·4	006·9	007·5	007·7	008·4	009·2	010·6	011·6	012·9	014·3	014·9	015·7	016·4	016·5	016·6	008·2
15	016·9	016·6	016·7	017·2	016·6	016·5	016·3	015·6	015·0	014·4	012·8	010·6	008·9	007·7	006·9	006·4	005·7	005·6	005·5	005·6	005·1	005·3	005·4	005·6	011·0
16	005·8	005·8	006·0	005·6	005·5	005·7	005·9	006·4	006·2	006·2	005·8	004·9	004·4	003·2	001·7	000·7	999·4	998·4	999·1	999·7	999·9	001·8	004·5	007·9	003·7
17	010·3	012·2	013·6	014·9	016·4	017·2	018·3	019·6	020·0	020·7	021·6	021·6	021·7	021·5	021·6	021·7	022·0	022·2	022·7	022·9	022·7	022·7	022·7	023·3	019·4
18	023·0	022·6	022·4	021·9	021·9	022·6	022·6	022·7	022·6	022·4	022·0	021·4	020·6	019·8	019·4	018·4	019·0	018·6	018·4	017·9	017·6	016·9	016·5	015·9	020·5
19	015·4	014·9	014·4	013·5	012·8	012·5	012·0	011·9	012·0	011·9	011·6	010·8	010·5	010·5	010·9	010·7	009·9	009·8	009·7	009·9	009·7	009·2	008·2	007·1	011·4
20	006·8	006·5	005·3	004·0	003·6	002·5	002·1	001·6	000·7	000·2	998·8	997·5	996·4	994·9	994·0	994·0	993·8	993·4	992·8	992·4	992·1	991·9	991·5	990·6	998·2
21	989·6	988·4	986·9	986·6	987·2	987·6	988·6	990·2	990·8	991·3	991·8	991·8	991·7	991·6	991·6	991·7	991·9	992·7	992·6	992·6	991·9	990·7	989·2	987·6	990·3
22	985·7	983·5	981·0	978·6	976·7	974·8	974·4	974·3	973·9	974·0	973·9	973·8	976·3	978·4	978·9	979·5	980·1	980·4	980·4	979·8	979·2	978·2	977·8	976·6	978·2
23	975·9	975·9	976·4	976·6	977·5	977·7	978·3	978·9	979·5	980·5	981·6	982·2	982·5	982·8	983·3	983·8	984·5	985·1	985·7	986·3	986·9	987·5	988·2	988·8	981·7
24	989·2	989·7	990·2	990·3	990·6	990·9	991·5	991·7	991·5	991·4	991·3	990·7	989·1	987·7	986·4	984·4	982·2	979·6	977·2	975·0	973·0	972·2	972·6	972·7	985·4
25	972·6	972·5	972·5	972·6	972·6	972·3	971·9	971·7	971·5	970·8	971·3	973·6	975·2	976·5	977·5	978·6	980·1	981·5	982·7	983·6	984·8	985·7	987·1	988·5	976·7
26	989·7	991·2	992·4	994·2	995·6	997·1	998·9	000·5	002·0	003·2	004·0	004·6	005·2	006·1	006·2	006·8	007·3	007·6	008·2	008·1	007·3	007·3	006·0	004·6	001·9
27	003·9	002·2	001·1	999·3	997·7	996·1	994·6	993·5	991·6	991·1	989·9	988·6	988·1	988·3	988·1	988·0	988·3	988·5	988·5	988·4	987·8	987·6	987·5	987·4	992·3
28	987·3	986·8	986·3	986·2	985·8	985·9	985·8	985·7	985·7	986·0	985·9	985·7	985·3	984·7	984·1	983·8	983·6	983·7	984·0	984·2	984·3	984·7	985·2	986·0	985·3
Mean (Station Level)	1006 ·82	1006 ·60	1006 ·31	1006 ·06	1006 ·00	1005 ·68	1005 ·94	1006 ·22	1006 ·31	1006 ·47	1006 ·45	1006 ·23	1006 ·01	1005 ·81	1005 ·69	1005 ·75	1005 ·93	1006 ·09	1006 ·21	1006 ·17	1005 ·99	1005 ·97	1005 ·89	1005 ·79	1006 ·14
Mean (Sea Level)	1008 ·10	1007 ·88	1007 ·59	1007 ·34	1007 ·29	1007 ·17	1007 ·23	1007 ·51	1007 ·59	1007 ·76	1007 ·73	1007 ·50	1007 ·28	1007 ·08	1006 ·96	1007 ·03	1007 ·21	1007 ·36	1007 ·49	1007 ·45	1007 ·27	1007 ·26	1007 ·17	1007 ·08	1007 ·42
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, 1935

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 (Station Level)	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	986·8	987·6	988·5	989·4	990·4	991·6	992·8	993·8	994·2	994·4	993·6	992·9	992·1	990·5	989·9	989·1	988·6	988·7	988·5	988·4	988·4	988·8	989·5	990·8	990·3
2	992·5	994·5	996·4	998·1	000·5	001·2	002·7	004·4	005·5	006·6	007·8	008·6	009·5	010·0	010·6	011·3	011·8	012·6	013·3	013·9	014·2	014·6	014·7	015·0	006·6
3	015·0	014·7	014·6	014·6	014·6	014·7	015·1	015·1	015·3	015·4	015·5	015·3	015·3	015·4	015·6	015·7	016·2	017·3	017·7	018·3	018·9	019·4	019·8	020·1	016·1
4	020·8	021·6	022·0	022·7	023·3	023·9	024·6	025·4	025·8	025·7	026·0	026·3	026·1	026·0	026·1	026·1	026·3	026·8	027·4	027·6	027·7	027·7	027·7	027·8	025·3
5	028·0	028·1	027·8	027·8	027·9	028·0	028·4	028·3	028·5	028·7	028·7	028·1	027·6	027·7	027·9	027·7	027·7	027·8	028·4	028·7	028·9	029·0	028·9	029·1	028·2
6	029·0	029·0	028·8	028·9	028·9	028·9	029·3	029·4	029·8	030·0	030·2	030·2	030·2	030·2	030·4	030·6	030·8	031·2	032·0	032·4	032·8	033·0	033·1	033·6	030·4
7	033·8	033·4	033·5	033·3	033·4	033·8	034·5	034·8	035·4	035·4	035·3	035·3	035·1	034·9	034·9	034·8	035·2	035·8	036·6	036·9	037·1	037·1	037·2	037·1	035·1
8	037·0	036·8	036·6	036·2	036·5	036·7	037·0	037·5	037·4	037·3	037·4	037·4	037·0	036·4	036·4	036·1	035·8	035·6	035·3	034·9	034·8	034·9	034·9	035·2	036·3
9	035·6	035·7	035·3	035·1	035·1	034·8	034·9	034·6	034·0	033·2	032·4	031·7	030·7	029·7	029·1	028·7	028·0	027·9	027·7	027·4	027·2	027·0	026·7	026·5	031·4
10	026·0	025·7	025·3	024·8	024·6	024·4	024·3	024·1	023·7	023·4	022·9	022·4	022·3	020·9	020·9	020·1	020·6	020·8	020·7	021·1	021·0	021·2	021·2	021·6	022·8
11	021·7	021·7	021·9	021·7	022·6	023·0	023·8	024·5	025·5	026·4	026·9	027·1	027·4	027·6	028·3	028·8	029·7	030·6	031·0	031·5	032·0	032·2	032·5	032·7	026·9
12	033·1	033·0	032·8	033·0	033·1	033·3	033·8	033·7	033·8	033·6	033·0	032·6	031·8	031·4	031·2	030·8	030·8	030·7	030·9	031·1	031·1	031·0	030·6	030·0	032·1
13	029·5	029·1	028·7	028·6	028·4	028·0	028·3	027·7	027·3	027·1	026·8	026·1	025·2	024·1	023·4	023·0	022·9	023·3	023·3	023·3	023·2	022·8	022·7	022·0	025·8
14	021·7	021·1	020·4	019·9	019·7	019·0	018·7	018·5	018·2	017·6	017·4	017·0	016·3	015·9	015·7	015·6	015·7	015·8	016·0	016·0	016·1	015·9	016·1	016·0	017·6
15	015·8	015·4	015·0	014·6	014·5	014·4	014·7	014·6	014·5	014·0	013·3	012·5	011·5	010·3	009·3	008·3	007·6	007·5	007·0	006·5	005·7	004·9	004·3	002·9	011·1
16	002·4	001·5	000·5	999·7	999·5	999·3	999·3	999·4	999·3	999·1	999·0	998·9	998·4	998·1	998·2	998·0	998·4	998·7	998·7	998·7	998·9	998·9	998·9	998·9	999·3
17	999·0	999·1	999·2	999·3	999·5	000·5	001·2	002·2	003·3	004·1	004·7	005·0	005·7	005·9	006·7	007·5	008·0	009·2	010·5	011·3	012·0	012·7	013·4	013·9	005·3
18	014·7	014·9	015·1	015·2	015·9	016·6	017·1	017·7	018·2	018·4	018·5	018·5	018·4	018·4	018·2	017·9	017·8	018·0	018·5	018·9	018·9	019·1	018·9	018·9	017·5
19	018·8	018·3	017·9	017·8	017·7	017·9	018·0	018·0	018·3	018·1	017·8	017·5	017·0	016·2	015·8	015·2	015·0	014·9	014·8	014·8	014·9	014·7	014·7	014·5	016·7
20	014·0	013·5	013·1	013·0	013·0	013·1	013·6	014·0	014·6	014·8	014·6	014·4	013·9	013·9	013·6	013·6	013·8	014·5	015·0	015·6	015·9	016·3	016·5	016·4	014·3
21	016·4	016·3	016·0	015·8	016·0	016·5	016·5	016·6	016·5	016·4	015·9	015·7	015·0	014·5	014·0	013·8	013·8	014·0	014·5	014·7	014·6	014·6	014·4	013·7	015·3
22	013·6	013·4	012·8	012·4	012·3	011·8	011·9	011·7	011·5	011·5	011·5	011·2	010·7	009·9	009·1	008·7	008·8	009·7	009·6	009·7	010·3	010·4	010·4	010·5	011·0
23	010·6	010·6	010·6	010·9	011·6	012·1	012·7	012·8	012·8	013·0	013·0	013·0	012·1	011·2	010·4	010·3	010·0	009·8	010·7	011·0	011·7	012·3	012·8	012·8	011·6
24	013·6	013·9	014·8	015·2	016·2	016·8	017·7	018·9	020·1	020·9	021·7	021·9	022·4	022·8	023·1	023·2	023·8	024·6	025·2	025·5	025·8	025·9	025·8	025·7	020·8
25	025·4	025·5	025·4	025·2	025·4	025·8	025·9	025·9	025·9	026·0	026·1	026·2	026·0	025·8	025·5	025·5	025·5	025·7	025·8	026·1	026·4	026·5	026·4	026·3	025·8
26	026·3	026·4	026·3	026·5	026·5	026·7	026·9	027·0	027·4	027·3	027·1	026·8	026·2	025·7	025·3	025·0	024·9	024·9	024·9	025·5	025·6	025·5	025·6	025·7	026·1
27	026·1	025·8	025·4	025·8	025·9	026·1	026·8	027·1	027·3	027·5	027·6	027·7	027·7	027·7	027·6	027·6	027·8	028·0	028·3	028·5	029·0	029·3	029·7	029·8	027·4
28	029·7	029·7	029·7	029·6	029·6	029·6	029·4	029·0	029·3	029·1	028·7	027·9	027·7	026·8	025·9	025·5	025·4	025·5	025·7	025·7	025·6	025·0	024·8	024·7	027·6
29	024·7	024·4	023·9	023·9	023·9	024·0	024·6	025·0	025·5	025·8	026·5	027·1	027·7	028·0	028·3	028·4	028·9	029·5	030·1	030·4	030·7	030·8	031·0	031·2	027·1
30	031·3	030·8	030·6	030·1	029·8	029·8	029·5	029·2	028·8	028·2	027·7	026·8	026·1	025·1	024·2	023·8	023·2	022·6	022·1	021·6	021·0	020·9	020·6	020·4	026·2
31	020·1	019·4	018·9	018·6	018·3	018·1	017·9	017·9	017·9	017·1	017·0	016·1	015·9	015·2	014·8	014·2	014·3	014·4	014·9	015·3	015·1	015·1	014·9	014·8	016·6
Mean (Station Level)	1019 ·77	1019 ·71	1019 ·61	1019 ·60	1019 ·83	1020 ·01	1020 ·38	1020 ·61	1020 ·83	1020 ·84	1020 ·79	1020 ·59	1020 ·29	1019 ·88	1019 ·69	1019 ·51	1019 ·58	1019 ·88	1020 ·16	1020 ·36	1020 ·50	1020 ·56	1020 ·60	1020 ·60	1020 ·15
Mean (Sea Level)	1021 ·08	1021 ·01	1020 ·91	1020 ·91	1021 ·13	1021 ·32	1021 ·69	1021 ·91	1022 ·13	1022 ·14	1022 ·08	1021 ·87	1021 ·57	1021 ·16	1020 ·97	1020 ·79	1020 ·86	1021 ·17	1021 ·45	1021 ·66	1021 ·80	1021 ·86	1021 ·90	1021 ·90	1021 ·44

444. KEW OBSERVATORY: H_b = 10·4 metres APRIL, 1935

Day (Station Level)	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	014·4	014·1	013·6	013·4	013·5	013·6	013·6	013·4	013·1	013·0	012·4	012·1	011·8	011·4	010·8	010·7	010·7	010·6	010·4	010·6	010·5	010·3	011·0	010·8	012·2
2	011·0	010·9	010·9	011·0	011·4	011·7	012·4	012·5	013·1	013·4	013·7	013·7	013·7	013·7	013·9	014·5	014·7	014·8	015·2	015·3	015·2	015·1	014·9	014·7	013·3
3	014·8	014·5	014·3	014·2	014·6	014·7	014·9	015·0	015·5	015·6	015·8	015·8	016·0	016·0	015·8	016·2	016·7	016·8	017·0	016·9	016·7	016·6	015·9	015·7	015·6
4	014·9	014·0	013·0	012·2	011·4	010·5	009·6	008·0	007·2	006·3	006·0	005·2	004·6	004·1	003·7	003·1	003·0	003·5	004·1	004·8	005·0	005·0	005·0	005·0	007·3
5	005·2	005·5	005·3	005·4	005·4	005·7	005·9	005·9	005·7	005·6	005·6	005·6	005·0	004·6	004·4	003·8	003·9	003·9	004·0	004·1	004·2	004·3	004·6	004·9	004·9
6	005·2	005·8	006·3	006·6	006·8	007·1	007·7	008·0	008·1	008·3	008·5	008·5	008·2	008·3	008·5	008·6	008·5	008·4	008·3	008·1	007·6	006·9	006·1	005·1	007·5
7	004·1	002·3	000·3	999·0	998·4	998·4	999·0	000·4	001·2	002·0	002·7	002·7	002·3	002·0	002·4	001·9	001·7	001·5	000·7	000·3	999·7	998·7	997·4	995·6	000·8
8	993·4	993·7	995·7	997·6	999·1	000·6	001·0	001·7	002·6	003·3	003·7	003·7	004·7	004·5	004·3	004·2	004·3	004·3	004·1	004·0	003·6	002·9	002·2	000·8	001·6
9	999·7	998·2	997·8	998·2	998·9	999·8	000·6	000·9	001·0	000·9	001·1	001·1	001·6	001·7	001·8	002·5	002·8	002·8	002·8	003·1	003·0	002·7	001·8	001·0	001·1
10	000·2	999·4	998·6	998·6	997·8	997·6	997·6	997·3	997·2	997·5	997·8	998·2	998·3	998·4	998·3	998·7	999·5	999·9	000·6	000·7	000·6	000·6	000·7	000·8	999·0
11	000·6	000·7	000·6	000·9	001·0	001·4	002·4	002·8	003·9	004·8	005·3	005·6	006·0	006·5	006·9	006·9	007·6	008·0	008·8	008·9	008·8	008·7	008·5	008·4	005·0
12	007·7	007·0	006·1	004·8	004·1	004·0	003·7	003·7	002·9	003·1	003·1	002·9	003·1	003·4	003·8	004·3	005·1	006·1	007·6	008·9	010·0	010·8	011·6	012·5	005·8
13	012·9	013·5	014·3	014·8	014·9	015·8	016·0	016·0	015·9	015·7	015·5	014·8	013·9	013·2	012·4	011·7	011·0	010·2	009·9	009·8	009·0	007·8	007·2	006·5	012·7
14	005·8	005·0	004·6	004·2	004·0	004·1	004·4	004·7	004·7	004·7	004·5	004·6	004·8	004·7	005·1	005·1	005·5	005·7	005·9	006·8	006·9	007·3	007·9	008·2	005·3
15	008·9	009·0	009·3	009·7	010·4	011·0	011·5	011·6	011·9	011·7	011·4	011·3	010·9	010·2	009·7	009·3	008·9	008·7	008·3	007·7	007·0	006·0	004·3	001·9	009·3
16	999·3	996·8	994·2	992·2	990·7	990·3	990·7	992·2	993·5	994·0	994·6	995·1	995·4	995·7	995·4	995·3	994·8	994·9	994·7	994·7	994·4	993·7	993·2	992·7	994·3
17	992·3	992·0	991·5	991·0	990·9	991·0	991·0	991·4	991·9	992·4	993·0	993·1	993·2	993·5	993·5	993·8	994·3	994·8	995·3	995·8	995·7	995·8	996·0	996·3	993·4
18	996·6	997·0	997·4	997·8	998·7	999·5	000·3	000·7	001·4	001·9	002·6	003·0	003·6	003·5	003·7	003·8	003·6	003·3	003·4	003·5	003·2	003·2	003·1	002·9	001·4
19	002·4	001·9	002·3	002·4	002·7	003·6	004·5	005·2	005·7	006·4	006·6	006·6	006·8	007·1	006·8	007·1	007·5	007·6	007·8	008·5	008·4	008·4	008·0	007·7	005·8
20	007·2	006·6	005·7	005·1	004·6	004·3	003·6	002·8	002·1	001·5	001·6	001·3	001·5	000·7	999·8	999·5	999·4	999·4	999·6	000·2	999·9	999·9	999·7	999·6	002·1
21	999·5	999·6	999·2	998·9	998·6	998·6	998·8	998·9	998·5	998·9	999·3	999·6	999·5	999·5	999·3	999·4	999·6	999·7	000·3	000·7	000·8	001·0	001·3	001·4	999·6
22	001·8	001·8	002·3	002·6	002·8	003·3	003·6	004·4	004·5	004·7	004·9	005·0	005·1	005·4	005·4	005·6	005·9	006·6	007·2	007·9	008·5	009·1	009·4	009·6	005·1
23	009·8	009·9	010·0	010·6	011·0	011·7	012·5	012·7	012·9	013·2	013·3	013·2	013·3	013·4	013·3	013·2	013·2	013·7	014·7	015·6	015·9	016·2	016·7	016·8	013·1
24	017·0	017·1	017·4	017·5	017·9	018·5	018·6	018·9	019·1	019·5	019·6	019·8	019·9	019·6	019·2	019·2	019·1	019·2	019·6	019·8	019·8	020·0	019·8	019·8	018·9
25	019·6	019·5	019·4	018·7	018·6	018·7	018·6	018·5	018·4	018·3	017·7	017·5	016·9	016·8	016·7	016·6	016·6	016·5	016·6	016·6	016·6	016·6	016·9	017·0	017·7
26	016·9	016·8	016·7	016·3	016·5	017·2	017·8	018·0	018·1	018·6	018·5	018·5	018·5	018·6	018·7	018·7	018·8	018·9	019·0	019·8	020·2	020·4	020·7	020·8	018·4
27	020·9	020·9	021·0	021·0	021·6	021·8	021·9	022·0	022·2	022·4	022·5	022·6	022·8	022·9	022·8	022·8	022·8	022·9	023·3	024·0	024·3	024·5	024·7	024·8	022·6
28	024·9	024·9	025·0	025·0	025·3	025·7	025·7	025·9	026·2	026·4	026·5	026·6	026·7	026·6	026·6	026·1	026·0	026·2	026·7	026·8	027·1	027·2	027·5	027·4	026·2
29	027·3	027·0	026·8	026·7	026·7	026·8	026·7	026·7	026·6	026·3	025·7	025·5	025·1	024·5	023·9	023·3	022·9	022·7	022·6	022·6	022·9	022·9	022·8	022·4	025·0
30	022·0	021·9	021·5	021·3	021·3	021·5	021·5	021·2	020·9	020·7	020·5	020·1	019·9	019·4	019·0	018·7	018·9	019·0	019·2	019·7	020·2	020·7	020·7	020·8	020·5
Mean (Station Level)	1008 ·54	1008 ·24	1008 ·04	1007 ·92	1007 ·99	1008 ·28	1008 ·54	1008 ·71	1008 ·87	1009 ·04	1009 ·13	1009 ·11	1009 ·10	1009 ·00	1008 ·86	1008 ·82	1008 ·91	1009 ·02	1009 ·26	1009 ·54	1009 ·52	1009 ·44	1009 ·32	1009 ·06	1008 ·85
Mean (Sea Level)	1009 ·83	1009 ·53	1009 ·32	1009 ·21	1009 ·27	1009 ·57	1009 ·82	1009 ·99	1010 ·14	1010 ·31	1010 ·40	1010 ·37	1010 ·37	1010 ·26	1010 ·13	1010 ·08	1010 ·17	1010 ·29	1010 ·53	1010 ·82	1010 ·80	1010 ·72	1010 ·60	1010 ·35	1010 ·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.

445. KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres MAY, 1935

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	020·9	020·9	021·2	021·3	021·6	022·2	022·6	023·1	023·3	023·3	023·6	023·5	023·4	023·3	023·3	023·2	023·0	023·1	023·0	023·2	023·3	023·4	023·4	023·4	022·7
2	023·2	023·2	022·8	022·7	022·6	022·7	022·7	022·7	022·4	022·3	022·1	021·8	021·6	021·2	020·5	020·1	019·6	019·5	019·3	019·5	019·4	019·1	018·9	018·6	021·3
3	017·8	017·5	016·9	016·6	016·4	016·4	016·1	015·9	015·5	014·7	014·5	013·9	013·3	012·5	011·8	011·6	011·4	011·5	011·6	011·8	012·0	012·1	011·7	011·5	014·1
4	011·2	010·8	010·6	010·3	010·5	010·6	010·6	010·7	011·2	011·2	010·9	011·0	011·4	011·6	012·0	012·4	012·5	013·0	013·6	013·9	014·5	014·6	015·2	015·6	012·0
5	015·7	015·8	016·0	016·1	016·3	016·6	017·1	017·6	017·7	017·8	018·0	018·3	018·3	018·3	018·2	018·4	018·6	019·0	019·8	020·4	020·7	021·5	021·9	022·0	018·2
6	022·1	022·2	022·4	022·6	023·3	023·7	023·9	024·4	024·6	024·7	024·7	024·6	024·3	024·3	024·3	024·3	024·4	024·6	025·2	025·5	025·6	025·8	026·0	026·1	024·2
7	026·4	026·6	026·6	027·0	027·2	027·3	027·3	027·7	027·7	027·8	027·6	027·6	027·5	027·4	027·4	027·3	027·3	027·4	027·7	028·4	029·2	029·7	029·8	029·9	027·7
8	029·7	029·7	029·6	029·5	029·6	029·6	030·0	030·2	030·3	030·4	030·3	030·2	029·7	029·1	028·6	028·5	028·3	028·0	028·2	028·4	028·6	028·8	028·7	028·5	029·3
9	028·3	027·9	027·3	026·8	026·4	026·3	026·1	026·0	025·6	025·3	025·0	024·6	023·8	023·3	022·7	022·6	022·4	022·5	022·7	022·8	022·6	022·6	022·6	022·3	024·7
10	021·8	021·4	021·1	020·9	021·2	021·0	020·6	020·6	020·4	020·1	020·0	019·8	019·5	019·5	019·3	018·9	019·0	019·1	019·2	019·8	019·8	020·1	020·7	020·7	020·2
11	020·6	020·4	020·3	020·2	020·2	020·3	020·1	020·1	020·0	019·8	019·6	019·2	019·1	018·7	018·3	018·3	018·3	018·4	018·7	019·2	019·9	020·6	020·7	020·7	019·7
12	020·6	020·7	020·6	020·5	020·4	020·6	021·0	021·0	021·1	021·2	021·0	020·8	020·7	020·5	020·3	020·3	020·4	020·5	020·8	021·1	021·8	022·0	022·3	022·3	020·9
13	022·2	022·1	021·9	021·8	021·9	022·2	022·5	022·6	022·7	022·3	022·3	022·2	022·1	021·7	021·1	020·7	020·3	020·0	019·5	019·5	019·4	019·1	018·6	017·9	021·2
14	017·6	016·8	016·2	015·7	015·6	015·6	015·6	015·8	016·3	016·7	017·1	017·1	017·2	017·3	017·5	017·5	017·6	017·7	018·1	018·1	018·2	017·7	016·9	015·9	016·9
15	015·6	015·4	015·5	015·7	015·9	016·3	016·8	017·0	017·3	017·4	017·3	017·2	016·7	016·2	015·9	015·7	015·5	015·5	015·3	015·2	015·2	015·0	015·1	015·1	016·0
16	015·1	015·0	014·9	015·1	015·6	015·9	016·5	016·9	017·4	017·5	017·6	017·6	017·6	017·6	017·4	017·6	017·8	018·1	018·1	018·2	018·4	017·9	017·8	017·6	017·0
17	016·8	016·0	015·4	014·8	014·2	013·6	013·1	012·4	011·5	010·7	009·9	009·3	008·4	007·6	007·3	007·4	007·4	007·5	007·6	008·2	008·7	008·9	008·9	009·0	010·8
18	009·1	009·2	009·3	009·5	009·9	010·5	010·7	010·9	011·0	010·8	010·7	010·7	010·7	010·8	010·9	011·2	011·3	012·2	013·0	013·4	014·3	014·3	014·3	014·4	011·3
19	014·3	014·2	014·1	013·9	013·8	013·8	013·8	013·7	013·6	013·4	012·7	012·7	012·6	011·8	011·3	010·8	010·7	010·8	010·8	011·2	011·5	011·7	011·8	011·8	012·6
20	011·7	011·6	011·6	011·6	011·7	011·8	012·6	013·1	013·2	013·6	013·7	013·8	014·1	014·7	015·4	015·7	015·9	016·3	016·6	017·0	017·6	017·9	018·1	018·4	014·3
21	018·7	018·7	018·9	019·2	019·5	019·9	020·3	020·6	020·7	020·7	020·9	021·0	021·1	021·1	021·2	021·4	021·7	021·8	022·4	022·8	023·5	023·7	023·7	023·7	021·0
22	023·6	023·4	023·2	022·9	022·8	022·9	022·9	022·9	022·7	022·7	022·3	021·5	020·9	020·4	019·5	018·9	018·7	018·7	018·5	018·5	018·4	018·2	017·7	016·9	020·9
23	016·6	015·7	015·3	014·8	014·5	014·5	014·1	013·6	012·9	012·7	012·2	011·9	011·9	011·9	011·9	012·2	012·6	012·9	013·2	013·7	014·1	014·0	013·9	013·8	013·6
24	013·6	013·3	013·5	013·4	013·4	013·5	013·9	014·3	014·3	014·2	014·0	014·0	014·1	014·1	014·2	014·2	014·2	014·7	014·9	015·1	015·7	015·8	015·6	015·0	014·3
25	014·7	014·7	014·8	014·8	014·9	014·9	015·2	015·6	015·8	015·9	015·9	015·8	015·7	015·7	015·7	015·7	015·7	015·9	016·3	016·9	017·8	018·2	018·5	018·7	015·9
26	018·7	018·8	018·8	018·9	018·9	018·8	019·0	019·1	018·9	018·8	018·6	018·4	018·0	017·6	017·5	017·4	017·1	017·2	017·5	018·3	018·9	019·3	019·4	019·5	018·5
27	018·9	018·9	018·8	018·7	018·7	018·8	018·8	018·7	018·5	018·3	017·9	017·7	017·2	016·9	016·4	016·2	015·3	015·3	015·6	015·7	015·8	015·8	015·7	015·4	017·3
28	015·1	015·2	015·2	015·0	015·0	015·0	014·9	014·9	015·0	015·3	015·1	014·9	014·8	014·8	014·4	014·3	014·1	014·2	014·4	014·7	015·0	015·0	015·0	014·6	014·8
29	014·5	014·3	014·1	014·0	014·1	014·1	013·9	013·8	013·8	013·6	013·1	012·7	012·2	011·4	010·8	010·7	010·3	010·2	010·3	010·6	011·2	011·4	011·6	011·5	012·5
30	011·2	011·1	010·8	010·8	010·7	010·7	010·7	010·9	010·9	010·8	010·7	010·5	010·4	010·3	010·1	010·1	010·1	010·5	011·1	011·6	012·2	012·5	012·7	012·8	011·0
31	012·9	013·0	013·0	013·1	013·2	013·4	013·9	014·0	014·3	014·7	014·7	014·7	014·7	014·7	014·5	014·4	014·3	014·1	014·1	014·2	014·5	014·5	014·5	014·5	014·0
Mean (Station Level)	1018·04	1017·89	1017·76	1017·68	1017·74	1017·85	1018·00	1018·09	1018·08	1018·02	1017·87	1017·71	1017·52	1017·30	1017·09	1017·03	1016·96	1017·10	1017·33	1017·64	1017·99	1018·10	1018·12	1018·00	1017·71
Mean (Sea Level)	1019·33	1019·17	1019·05	1018·97	1019·03	1019·14	1019·26	1019·37	1019·36	1019·29	1019·14	1018·97	1018·77	1018·56	1018·34	1018·29	1018·22	1018·36	1018·59	1018·91	1019·27	1019·38	1019·40	1019·29	1018·98

446. KEW OBSERVATORY: H_b = 10·4 metres JUNE, 1935

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	014·4	014·2	014·1	013·9	013·8	013·9	013·9	013·9	013·8	013·8	013·4	013·1	012·7	012·0	011·0	010·5	010·1	009·8	009·6	009·6	009·7	009·6	009·2	008·7	012·1
2	007·9	007·5	007·0	006·7	006·7	006·7	006·7	006·7	006·7	006·3	006·0	005·7	005·7	005·3	004·9	004·7	004·7	004·7	005·1	005·2	005·8	006·1	006·1	006·1	006·1
3	006·0	005·9	006·0	006·1	006·2	006·2	006·3	006·3	006·1	006·0	006·1	006·2	005·8	005·5	005·6	005·6	005·6	005·8	006·0	006·3	006·6	006·7	007·0	007·1	006·1
4	006·8	006·7	006·5	006·3	006·5	006·2	006·0	005·8	004·9	004·7	004·3	004·0	003·7	003·5	002·8	002·3	001·5	001·3	001·2	001·4	001·5	001·2	000·7	000·5	003·9
5	998·8	998·9	998·3	998·0	997·7	997·6	997·6	997·6	998·0	998·5	998·6	998·5	998·3	997·9	997·5	997·7	997·7	998·4	999·0	999·9	000·8	001·5	002·0	003·0	998·8
6	003·7	004·5	005·1	005·7	006·5	007·3	007·9	008·4	009·1	009·2	009·2	009·5	009·6	009·3	009·1	008·4	007·5	007·4	007·3	006·7	006·6	006·5	006·2	005·6	007·3
7	005·4	004·9	004·5	004·1	004·1	004·2	003·1	003·9	002·7	002·7	002·6	002·5	002·6	002·8	003·0	003·3	003·5	003·7	004·2	004·7	005·4	006·3	006·6	007·2	004·1
8	008·0	007·7	007·7	008·6	009·5	010·6	011·3	011·7	012·4	012·6	013·6	014·2	014·6	014·9	015·7	016·3	016·7	017·2	017·7	018·6	019·4	019·8	020·3	020·6	013·9
9	020·7	020·9	020·8	020·7	020·7	020·8	020·7	020·6	020·1	019·7	019·6	018·7	018·0	017·5	016·7	016·2	015·6	014·8	014·5	014·5	014·1	013·7	012·5	011·6	017·8
10	010·7	010·7	009·3	008·3	008·2	007·6	006·8	007·0	006·2	005·8	005·9	005·8	006·1	006·1	006·1	005·9	005·8	005·7	005·7	005·8	006·0	006·0	006·0	005·9	006·9
11	005·7	005·4	005·0	004·7	004·8	004·8	004·6	004·5	004·0	004·2	004·1	004·3	004·4	004·5	004·5	004·5	004·9	005·7	005·9	006·0	007·0	007·4	007·8	008·1	005·2
12	008·4	008·6	008·7	008·8	008·9	009·0	009·5	009·6	009·8	010·4	009·9	009·9	010·0	009·8	009·8	009·9	010·1	010·4	010·7	010·9	011·4	011·5	011·5	010·9	009·9
13	011·5	009·8	009·1	008·7	008·9	009·2	009·4	009·9	010·6	010·8	011·1	011·6	011·7	011·7	011·9	011·8	011·7	011·6	011·7	011·7	012·0	011·7	011·4	010·8	010·9
14	009·9	009·6	009·5	009·5	009·7	009·8	009·8	009·7	009·5	009·5	009·4	009·1	008·9	008·8	008·5	007·8	007·7	007·5	007·4	007·0	006·8	006·9	006·8	006·7	008·7
15	006·7	006·2	006·6	006·2	006·1	005·9	006·1	005·8	005·7	005·7	005·2	005·2	005·0	004·7	004·7	004·6	004·1	004·2	004·5	004·7	005·1	005·1	005·1	005·2	005·4
16	005·3	005·4	005·4	005·6	005·9	006·1	006·2	006·4	006·5	006·3	006·0	006·3	006·0	006·0	006·1	006·2	006·5	006·8	007·0	007·3	008·0	008·6	008·5	008·3	006·5
17	008·4	008·6	008·9	009·1	009·8	010·4	011·0	011·5	011·8	012·0	012·6	012·6	012·6	012·7	012·5	012·9	013·1	013·1	013·1	012·9	012·4	011·9	011·1	010·9	011·4
18	009·1	008·2	007·9	007·8	007·9	008·0	008·1	008·1	008·1	008·2	008·2	008·2	008·8	008·9	009·1	009·7	010·4	011·3	012·2	012·9	013·8	014·8	015·4	016·1	009·9
19	016·8	017·2	017·7	018·2	018·9	019·3	019·9	020·2	020·6	020·7	020·8	020·7	020·1	019·8	019·6	019·6	019·7	019·2	019·1	018·9	018·9	018·8	018·7	018·0	019·2
20	017·2	017·0	016·8	016·7	016·7	016·7	016·5	016·4	016·1	016·0	015·9	015·8	015·5	015·4	015·2	015·0	015·0	015·1	015·5	015·5	015·6	015·8	016·0	015·9	016·0
21	015·9	015·8	015·7	015·8	016·0	016·3	016·8	017·3	017·4	017·6	017·8	018·0	017·9	018·0	017·8	017·8	017·8	017·8	017·9	018·1	018·5	018·8	018·7	018·6	017·4
22	018·7	018·6	018·4	018·5	018·5	018·7	018·6	018·5	018·3	018·4	018·3	018·2	017·8	017·4	017·2	017·1	017·0	017·1	017·5	017·8	017·9	018·0	018·2	018·3	018·0
23	018·3	018·4	018·3	018·5	018·6	018·8	018·9	019·1	019·0	018·9	018·9	018·7	018·5	018·4	018·1	017·9	017·7	017·7	017·8	018·0	018·1	018·0	017·6	017·1	018·3
24	017·0	016·6	016·0	015·9	015·7	015·4	015·2	014·9	014·7	014·3	013·8	013·4	012·8	012·2	011·8	011·5	011·0	010·8	010·8	011·0	010·9	011·0	010·7	010·2	013·4
25	010·1	009·7	009·3	009·2	009·4	009·4	009·5	009·5	009·2	009·1	008·9	008·0	008·1	008·6	009·2	008·8	009·1	009·1	009·3	009·8	010·5	010·6	010·8	010·9	009·4
26	011·0	011·0	011·1	011·5	012·0	012·8	013·1	013·6	014·1	014·5	014·5	014·6	014·4	014·6	014·7	014·8	014·8	014·9	014·9	014·8	014·9	015·2	015·6	015·9	013·8
27	015·8	015·6	015·5	015·6	016·1	016·7	017·4	017·7	018·2	018·8	019·2	019·3	019·6	019·9	020·2	020·1	020·2	020·5	021·1	021·9	023·0	023·2	024·1	024·6	019·2
28	024·5	025·1	025·0	025·7	026·4	027·1	027·9	028·2	028·6	028·7	028·6	028·7	028·6	028·6	028·8	028·6	028·6	028·8	028·8	028·9	029·5	029·6	029·9	029·8	027·9
29	029·7	029·3	028·9	028·3	028·5	028·4	027·9	027·6	027·7	027·2	026·9	026·1	025·4	024·5	023·4	023·1	022·6	022·6	022·5	022·6	022·8	022·8	022·5	022·1	025·7
30	021·9	021·0	020·5	020·1	019·9	019·7	019·2	019·6	019·5	019·1	018·4	018·0	018·3	018·0	017·3	017·0	016·9	016·6	016·9	016·9	017·6	017·2	016·9	016·6	018·6
Mean (Station Level)	1012·14	1011·97	1011·79	1011·76	1011·95	1012·12	1012·20	1012·33	1012·31	1012·32	1012·26	1012·16	1012·05	1011·91	1011·76	1011·65	1011·59	1011·65	1011·83	1012·01	1012·35	1012·48	1012·46	1012·38	1012·06
Mean (Sea Level)	1013·40	1013·22	1013·05	1013·02	1013·21	1013·37	1013·45	1013·58	1013·55	1013·56	1013·49	1013·40	1013·28	1013·14	1012·99	1012·88	1012·82	1012·89	1013·07	1013·25	1013·60	1013·63	1013·72	1013·63	1013·30
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.

447. KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres JULY, 1935

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 (Station Level)	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	015·3	015·1	014·5	013·9	013·9	013·6	013·9	013·6	013·5	012·9	012·4	012·1	011·6	011·0	010·7	010·3	009·9	009·8	009·8	009·6	009·7	009·9	009·9	009·9	012·1
2	010·0	010·2	010·9	011·4	012·1	013·0	013·9	014·7	015·1	015·7	016·2	016·7	016·9	017·4	017·9	018·3	018·7	018·9	019·4	020·0	020·5	020·9	021·2	021·7	016·1
3	022·1	022·2	022·2	022·3	022·6	023·2	023·8	024·0	023·8	024·0	024·2	024·2	024·4	024·3	024·0	023·8	023·6	023·4	023·4	023·8	024·2	024·3	024·3	024·1	023·5
4	023·6	023·1	022·6	022·6	022·7	022·6	022·6	022·7	022·6	022·5	022·6	022·4	022·5	022·7	022·6	022·5	022·6	022·6	022·8	023·0	023·5	023·7	023·6	023·4	022·9
5	023·1	023·0	022·8	022·6	022·6	022·4	022·2	022·3	022·2	021·9	021·1	020·9	020·6	019·9	019·6	019·6	019·2	019·2	019·2	019·2	019·3	019·9	020·1	020·2	021·0
6	020·5	020·6	020·6	020·7	020·9	021·0	021·3	021·5	021·4	021·2	021·3	021·5	021·3	021·3	021·3	021·1	021·0	021·0	021·0	021·0	021·8	022·0	022·2	022·3	021·2
7	022·2	022·1	022·1	022·2	022·5	022·5	022·7	023·0	023·0	022·9	023·0	023·0	023·0	022·9	023·0	022·9	022·9	022·9	022·9	023·1	023·8	023·9	024·2	024·1	022·9
8	024·0	023·8	023·7	023·7	023·7	023·7	023·7	023·7	023·4	023·1	022·6	022·4	021·8	021·2	021·0	020·3	020·0	019·9	019·8	019·9	020·2	020·1	020·1	019·9	022·0
9	019·5	019·0	018·8	018·8	018·8	018·8	018·7	018·5	018·1	018·0	017·8	017·4	017·1	016·7	016·6	016·2	015·9	015·9	016·1	016·7	017·1	017·1	017·1	017·1	017·6
10	017·2	017·3	017·2	017·2	017·2	017·3	017·6	017·7	017·8	017·7	017·5	017·5	017·4	017·3	017·2	017·2	017·2	017·3	017·7	018·0	018·4	018·7	019·0	019·1	017·6
11	019·2	019·3	019·4	019·6	019·8	019·9	020·3	020·4	020·5	020·6	020·6	020·6	020·4	020·3	020·3	020·1	019·9	020·1	020·5	020·7	021·5	021·2	021·4	021·4	020·3
12	021·2	021·0	021·4	021·1	021·1	021·1	021·1	021·0	021·1	020·4	020·4	020·4	019·9	019·7	019·3	019·2	019·1	019·2	019·6	019·9	019·9	020·4	020·6	020·3	020·4
13	020·3	020·4	020·3	019·9	019·7	020·2	020·3	020·4	020·5	020·5	020·2	020·1	019·9	019·9	019·6	019·5	019·3	019·2	019·7	020·4	020·6	020·9	021·2	021·0	020·2
14	020·7	020·6	020·6	020·5	020·5	020·6	020·6	020·5	020·5	020·1	019·9	019·4	019·2	019·2	019·1	019·0	018·8	018·9	019·0	019·6	020·7	021·3	021·7	021·6	020·1
15	021·9	021·8	021·7	021·8	022·0	022·1	022·2	022·4	022·2	022·2	021·6	021·5	021·3	020·9	019·9	019·4	019·2	019·1	019·2	019·2	019·4	019·4	019·4	019·0	020·8
16	018·9	018·9	018·9	019·0	019·0	019·1	019·0	019·1	019·0	018·7	018·5	018·5	018·3	017·7	017·2	016·7	016·6	016·7	016·8	016·9	017·3	017·5	017·6	017·1	018·1
17	016·9	016·9	016·8	016·2	016·2	016·0	015·7	015·3	014·9	014·6	013·9	013·4	013·1	013·0	012·9	012·7	012·6	012·8	013·1	013·5	013·8	014·0	014·4	014·2	014·5
18	013·7	013·3	013·0	012·8	012·7	012·5	012·0	011·2	010·9	010·3	009·9	008·9	008·6	008·1	007·6	007·6	007·8	007·5	007·6	007·8	007·9	008·1	008·6	008·7	010·0
19	008·5	008·3	008·3	008·4	008·7	008·6	008·8	008·6	008·3	008·4	007·9	007·5	007·4	007·2	007·0	006·7	006·6	006·1	005·7	005·4	005·0	004·8	004·5	003·9	007·2
20	003·1	002·5	002·2	001·8	001·6	001·6	001·6	001·3	000·8	000·9	000·7	001·0	001·2	001·3	001·6	002·9	004·8	006·0	007·5	008·7	010·4	011·3	012·6	013·3	004·0
21	014·0	015·0	015·6	016·2	016·9	017·5	018·3	018·5	018·9	019·0	019·3	019·5	019·8	019·8	019·8	019·7	019·8	019·9	020·3	020·5	021·1	021·1	021·7	021·8	018·7
22	021·7	021·6	021·7	021·8	021·9	022·4	023·0	023·4	024·0	024·2	024·2	024·3	024·4	024·5	024·6	024·3	024·2	024·3	024·5	024·7	025·2	025·5	025·6	025·7	023·7
23	025·6	025·2	025·2	025·2	025·6	025·7	025·8	025·9	025·6	025·6	025·3	025·0	024·2	024·1	023·8	023·2	022·9	022·7	022·6	022·7	022·8	022·9	023·0	022·9	024·4
24	022·8	022·6	022·5	022·7	022·7	023·0	023·0	023·2	023·2	023·3	023·1	022·9	022·7	022·5	022·2	022·3	022·6	022·7	023·1	023·5	024·0	024·3	024·5	024·6	023·0
25	024·5	024·1	024·0	023·9	023·9	024·0	024·1	024·1	024·0	023·8	023·2	022·5	021·9	021·3	020·7	020·2	020·0	020·0	020·1	020·3	020·5	020·5	020·5	020·5	022·3
26	020·4	020·0	020·1	020·3	020·6	021·0	021·1	021·2	021·1	021·1	020·9	020·8	020·5	020·3	020·3	020·0	019·9	019·8	020·0	020·5	020·7	020·8	020·8	020·9	020·5
27	020·6	020·1	020·0	020·1	019·7	019·6	019·5	019·5	019·0	018·8	018·5	017·8	017·3	016·6	016·1	015·9	015·8	015·7	015·8	016·2	016·2	016·1	015·8	015·5	017·9
28	015·5	015·4	015·1	015·3	015·3	015·6	015·6	016·0	016·2	016·0	015·9	015·8	015·5	015·5	015·4	015·1	015·2	015·2	015·5	015·9	016·6	016·6	016·6	016·9	015·7
29	016·6	016·5	016·4	016·6	017·0	017·7	018·3	018·7	018·8	018·8	018·9	019·0	019·0	018·9	019·0	018·9	018·8	018·9	018·9	019·1	019·6	020·1	020·5	020·6	018·5
30	020·8	021·0	021·0	021·1	021·6	022·0	022·2	022·3	022·3	022·1	021·9	021·9	021·8	021·6	021·3	021·2	021·0	021·0	021·0	021·2	021·8	022·3	022·8	022·9	021·6
31	022·9	022·9	022·6	022·7	022·7	022·9	023·1	022·9	023·0	023·0	022·7	022·6	022·3	021·8	021·0	020·6	020·0	019·8	019·9	020·1	020·2	020·5	020·6	020·6	021·8
Mean (Station Level)	1018 ·95	1018 ·83	1018 ·78	1018 ·79	1018 ·91	1019 ·07	1019 ·23	1019 ·28	1019 ·22	1019 ·11	1018 ·91	1018 ·76	1018 ·56	1018 ·35	1018 ·15	1017 ·98	1017 ·93	1017 ·95	1018 ·15	1018 ·42	1018 ·83	1019 ·04	1019 ·23	1019 ·20	1018 ·73
Mean (Sea Level)	1020 ·20	1020 ·09	1020 ·04	1020 ·05	1020 ·17	1020 ·33	1020 ·48	1020 ·52	1020 ·46	1020 ·34	1020 ·14	1019 ·99	1019 ·78	1019 ·58	1019 ·37	1019 ·20	1019 ·15	1019 ·18	1019 ·37	1019 ·66	1020 ·07	1020 ·28	1020 ·48	1019 ·45	1019 ·97

448. KEW OBSERVATORY: H_b = 10·4 metres AUGUST, 1935

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 (Station Level)	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	020·1	019·7	019·6	019·7	019·7	019·7	019·4	019·5	019·4	019·2	019·0	018·8	018·4	018·3	018·1	018·0	017·9	017·9	018·2	018·8	019·1	018·9	019·0	019·1
2	018·9	018·8	018·8	018·8	018·9	019·3	019·5	019·7	019·8	019·9	019·8	019·8	019·7	019·5	019·5	019·1	018·9	019·0	019·3	019·9	020·3	020·8	020·9	021·0	019·5
3	021·0	020·9	020·7	020·8	021·0	021·3	021·7	021·8	022·0	022·1	022·1	022·1	022·1	022·1	021·8	021·4	021·5	021·7	021·9	022·3	022·7	022·9	023·2	023·3	021·8
4	023·2	023·1	023·0	023·0	023·0	023·1	023·4	023·8	023·9	023·5	023·3	023·1	022·8	022·6	022·2	022·0	022·1	022·1	022·3	022·9	023·2	023·5	023·7	023·8	023·0
5	023·9	024·0	024·0	024·2	024·9	025·2	025·9	026·0	026·2	026·3	026·1	026·0	025·7	025·6	025·4	025·4	025·3	025·1	025·2	025·4	025·9	026·2	026·7	026·8	025·4
6	026·9	027·1	027·3	027·4	027·6	027·9	028·2	028·6	028·7	028·6	028·3	028·0	027·9	027·8	027·4	027·0	026·5	026·4	026·5	026·7	026·8	026·7	026·6	026·5	027·4
7	026·5	026·2	026·0	025·8	025·8	025·9	025·8	025·7	025·3	025·0	024·2	023·8	023·1	022·2	021·6	021·1	020·5	020·0	019·8	019·9	019·9	019·9	019·7	019·0	023·2
8	018·3	017·9	017·3	017·1	017·0	016·9	016·6	016·6	016·2	015·6	014·9	014·2	013·9	013·2	012·9	012·1	011·9	011·9	011·9	012·0	012·1	012·0	012·0	011·7	014·6
9	011·3	011·3	011·3	011·2	011·2	012·0	012·3	013·1	013·4	014·0	014·5	014·9	015·2	015·5	015·7	015·7	016·1	016·4	017·1	017·6	018·2	018·5	018·8	019·0	014·6
10	019·1	019·4	019·8	019·9	020·0	020·1	020·4	020·4	020·3	020·2	020·1	019·4	019·1	018·4	018·1	018·0	017·7	017·3	017·4	017·7	018·1	018·0	018·0	018·0	019·0
11	017·8	017·7	017·3	017·1	016·8	016·9	016·8	016·3	016·0	015·4	015·1	014·5	014·0	013·0	012·4	011·7	011·0	010·2	010·0	010·1	010·2	009·8	009·7	009·3	013·9
12	008·8	008·0	007·9	007·4	007·1	007·1	007·1	007·0	007·4	007·0	006·6	005·8	005·5	005·5	005·4	005·5	006·2	006·9	007·3	008·0	008·6	008·7	009·0	009·0	007·2
13	009·1	009·3	009·8	010 0	010·8	011·3	011·7	012·0	012·2	012·5	012·3	012·1	012·3	012·7	012·7	012·7	012·9	013·0	013·2	014·1	014·6	014·6	014·7	014·9	012·2
14	015·1	015·1	015·1	015·4	015·8	016·1	016·4	016·4	016·6	016·7	016·9	016·9	017·0	017·1	017·3	017·3	017·4	017·5	017·7	018·1	018·4	018·9	019·1	019·2	016·9
15	019·1	019·2	019·2	019·2	019·4	020·0	020·3	020·7	020·8	020·8	020·7	020·6	020·3	020·2	020·2	020·0	020·0	020·0	020·0	020·1	020·3	020·2	020·4	020·5	020·1
16	020·3	020·2	020·1	020·1	020·3	020·3	020·4	020·6	020·5	020·2	020·0	020·0	019·9	019·9	019·4	019·1	019·2	019·1	019·2	019·4	019·4	019·6	019·7	019·6	019·9
17	019·4	019·3	018·9	018·9	018·7	018·9	019·0	019·0	018·9	018·0	018·2	018·1	017·8	017·6	017·3	017·1	016·7	016·6	016·7	016·9	017·0	017·0	017·1	017·0	018·0
18	017·1	017·0	016·9	016·8	016·8	016·9	017·0	017·2	017·3	017·3	017·3	017·2	017·1	017·0	016·7	016·5	016·3	016·4	016·5	016·9	017·0	017·3	017·3	017·2	017·0
19	017·2	017·1	017·2	017·4	017·6	018·0	018·6	019·0	019·1	019·2	019·3	019·2	019·0	018·6	018·6	018·3	018·2	018·1	018·5	018·9	019·7	019·9	020·2	020·4	018·6
20	020·8	021·1	021·0	021·0	021·1	021·4	021·6	021·8	021·9	021·8	021·4	021·1	020·7	020·3	019·9	019·4	018·9	018·9	019·1	019·2	019·0	018·8	018·7	018·4	020·3
21	018·0	017·6	017·0	016·4	016·1	016·1	015·8	015·7	015·3	015·1	014·6	014·0	013·5	013·2	012·9	012·9	013·1	013·2	013·2	013·6	013·7	013·3	013·3	013·2	014·7
22	013·1	012·9	012·6	012·1	012·1	012·1	012·0	012·0	012·1	012·0	011·4	011·1	010·7	010·3	010·3	010·3	010·2	010·3	010·4	010·5	010·9	011·0	010·9	010·7	011·4
23	010·6	010·5	010·1	010·1	009·8	010·2	009·9	009·9	009·5	009·8	009·5	009·5	009·2	008·7	009·0	009·0	009·0	009·1	009·3	009·8	009·8	009·5	009·3	009·2	009·6
24	009·1	009·0	008·2	007·9	007·9	008·1	008·3	008·0	007·4	007·1	007·1	007·0	006·8	006·9	006·9	007·1	007·9	008·8	009·8	010·7	011·8	012·1	012·4	012·8	008·6
25	013·3	013·3	013·3	013·4	014·0	014·4	015·0	015·4	015·6	015·7	015·6	015·6	015·5	015·4	015·3	015·1	014·9	014·9	015·1	015·0	015·2	015·0	014·3	014·0	014·7
26	013·8	013·2	012·3	012·1	011·8	011·7	011·8	011·3	011·4	011·0	010·2	009·4	009·0	008·0	007·0	006·2	005·7	005·3	004·9	004·3	003·6	002·7	001·9	001·0	008·6
27	999·7	998·7	997·5	997·1	996·8	996·9	997·2	997·5	997·8	998·0	998·1	998·2	998·2	998·0	997·9	997·7	997·8	997·8	997·8	998·1	998·4	998·5	998·2	998·0	998·0
28	997·8	997·7	997·3	997·1	997·0	997·1	997·3	997·7	997·6	997·4	997·4	997·3	997·1	997·0	997·1	997·1	997·4	997·7	998·4	999·3	999·9	000·0	000·4	000·6	997·9
29	000·7	001·0	001·3	001·8	002·1	002·3	002·7	003·0	003·4	003·3	003·5	003·9	004·2	004·4	004·8	005·2	005·6	006·4	006·9	007·8	008·6	009·0	009·2	009·4	004·4
30	009·6	009·8	009·8	009·8	009·8	009·9	010·1	010·2	010·6	010·3	010·2	009·9	009·5	009·6	008·7	007·4	005·3	003·8	003·7	004·1	004·4	004·9	005·4	005·6	008·1
31	005·6	005·5	005·4	005·4	005·4	005·5	005·8	006·4	006·8	007·2	007·6	007·7	008·1	008·5	009·0	009·3	009·3	009·7	010·4	010·8	011·2	011·7	011·9	012·0	008·0
Mean (Station Level)	1015 ·01	1014 ·90	1014 ·71	1014 ·65	1014 ·72	1014 ·92	1015 ·11	1015 ·23	1015 ·27	1015 ·17	1015 ·02	1014 ·82	1014 ·64	1014 ·43	1014 ·25	1014 ·03	1013 ·92	1013 ·92	1014 ·11	1014 ·46	1014 ·76	1014 ·84	1014 ·89	1014 ·84	1014 ·70
Mean (Sea Level)	1016 ·27	1016 ·16	1015 ·97	1015 ·91	1015 ·98	1016 ·18	1016 ·36	1016 ·48	1016 ·51	1016 ·41	1016 ·25	1016 ·05	1015 ·86	1015 ·65	1015 ·47	1015 ·25	1015 ·14	1015 ·14	1015 ·34	1015 ·70	1016 ·01	1016 ·09	1016 ·14	1016 ·09	1015 ·94
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

449. KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10·4 metres

SEPTEMBER, 1935

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	012·1	012·1	012·0	012·0	012·0	012·2	012·5	012·5	012·5	012·1	011·6	010·4	009·8	008·8	008·2	007·5	007·1	006·5	005·8	005·4	004·9	005·0	004·2	004·3	009·4
2	004·3	004·9	005·5	005·9	006·1	006·6	007·2	007·8	008·4	008·6	009·0	009·1	009·4	009·4	009·6	010·7	010·7	011·0	011·4	012·1	012·5	012·5	012·7	012·8	008·9
3	012·7	012·6	012·6	012·6	012·3	012·6	012·5	012·6	012·8	012·7	012·2	011·8	011·5	011·1	010·8	010·5	010·4	010·1	010·3	010·3	010·6	010·3	010·0	009·6	011·5
4	009·1	008·6	007·8	007·4	007·0	006·5	006·7	006·5	006·3	005·8	006·0	006·0	006·0	006·0	006·2	006·2	006·8	007·2	007·8	008·5	009·2	009·6	009·7	009·8	007·4
5	009·9	009·9	010·0	010·2	010·0	010·0	010·0	010·2	010·3	010·2	010·2	010·2	010·1	009·9	009·8	009·7	009·6	009·4	009·4	009·4	009·1	008·7	008·4	008·5	009·7
6	008·9	009·5	010·4	011·2	012·0	013·2	014·5	015·5	016·4	017·1	017·3	017·6	018·0	018·1	018·3	018·5	018·8	019·1	019·6	020·2	020·6	020·9	021·1	021·4	016·3
7	021·4	021·4	021·3	021·3	021·3	021·7	022·2	022·2	022·3	022·2	022·1	021·9	021·6	021·2	020·9	020·8	020·8	020·8	021·0	021·4	021·9	022·2	022·4	022·6	021·6
8	022·7	022·5	022·2	022·2	022·4	022·7	023·2	023·3	023·4	023·2	023·0	022·5	022·0	021·7	021·4	021·1	020·8	020·8	020·9	021·3	021·2	021·2	021·0	020·8	022·0
9	020·5	020·1	020·1	019·7	019·8	019·9	020·0	020·1	020·8	021·0	020·7	020·5	020·4	020·3	020·4	020·5	020·8	021·0	021·5	022·1	022·6	023·0	023·2	023·4	020·9
10	023·3	023·4	023·3	023·4	023·7	024·1	024·3	024·4	024·7	024·4	024·1	023·7	023·5	023·2	023·1	022·7	022·2	022·2	022·4	022·3	022·3	021·8	021·0	020·3	023·1
11	019·6	019·0	018·6	018·3	018·0	017·7	017·5	017·1	016·8	016·3	015·6	014·8	014·2	013·5	013·0	012·8	012·0	011·8	011·8	011·8	011·4	011·1	010·4	009·7	014·9
12	009·2	008·8	008·2	008·0	008·0	008·0	008·0	007·7	007·7	007·4	007·2	006·9	006·8	006·6	007·0	007·0	007·0	007·1	007·5	007·7	008·0	007·4	007·3	007·1	007·6
13	007·2	007·2	007·2	007·2	007·3	007·4	007·4	008·3	008·9	009·6	010·0	010·3	010·8	011·0	011·3	011·2	011·3	011·7	012·1	012·4	012·5	012·3	012·3	012·2	009·9
14	011·9	011·3	010·5	010·1	010·0	009·9	009·8	009·3	009·2	009·1	009·1	009·1	009·3	009·4	009·4	010·0	010·3	011·0	011·4	012·2	012·2	012·2	012·1	011·8	010·5
15	011·2	010·3	009·3	008·2	007·2	006·3	005·2	004·0	002·9	001·2	999·6	998·6	998·2	997·7	996·9	996·8	996·8	997·0	997·9	998·6	999·2	999·5	000·1	000·2	002·0
16	000·3	000·4	000·3	000·2	000·3	000·3	000·8	000·8	001·1	001·4	001·7	001·4	001·3	000·4	999·5	998·6	996·6	995·3	993·2	991·3	988·3	985·6	984·9	983·9	997·1
17	982·3	981·1	980·3	980·2	980·7	982·0	983·4	985·8	987·9	989·3	990·8	992·0	993·5	994·5	995·7	996·5	997·5	998·8	000·2	001·1	001·3	001·6	002·2	002·7	991·5
18	003·0	003·2	003·3	003·6	004·2	004·9	006·0	006·4	007·5	007·9	008·9	009·3	009·5	009·9	009·9	009·5	010·0	010·2	010·3	010·4	010·1	009·4	008·3	007·4	007·5
19	005·5	003·9	001·6	000·2	999·4	999·0	999·1	999·1	999·4	999·5	000·3	000·5	001·4	001·9	003·2	004·2	005·0	006·1	007·5	008·7	009·6	010·3	010·8	010·9	003·6
20	011·2	011·6	012·1	011·9	011·9	012·2	012·1	012·3	013·2	013·7	014·2	015·0	015·1	015·4	016·0	016·5	017·3	018·5	019·2	020·3	020·8	021·4	021·5	021·9	015·4
21	022·3	022·3	022·2	022·0	022·2	022·1	022·0	021·6	021·3	021·2	021·0	020·4	019·5	018·4	017·6	017·0	016·3	015·8	015·2	014·6	013·5	012·9	012·3	010·9	018·8
22	009·2	007·5	006·0	005·1	004·3	003·6	004·2	004·3	005·0	005·0	006·1	006·3	007·5	008·3	008·7	009·0	009·3	010·2	010·9	011·3	011·6	011·6	011·9	012·2	007·9
23	012·5	012·8	012·8	013·3	013·7	014·4	015·2	016·0	016·4	017·0	017·1	017·2	017·2	016·9	016·8	016·8	016·8	017·1	017·7	018·3	018·6	018·5	018·3	018·0	016·1
24	017·9	017·1	016·8	016·3	015·6	015·3	015·2	014·7	013·8	012·7	011·9	011·1	010·1	008·5	006·6	004·6	003·0	001·7	001·0	000·4	000·5	000·5	000·9	001·6	009·4
25	002·3	003·7	004·6	006·0	007·1	009·0	010·4	011·9	013·1	013·6	014·3	015·0	015·2	015·6	015·8	015·9	016·3	016·8	017·5	017·7	017·8	018·3	018·5	018·7	012·8
26	018·9	018·6	018·6	018·7	019·2	019·4	019·6	019·6	019·7	019·2	019·3	018·8	018·4	018·0	017·5	016·5	016·3	016·0	015·6	015·7	015·4	014·4	013·6	013·0	017·6
27	012·5	011·3	010·9	010·5	010·5	010·6	010·6	011·1	011·6	011·6	011·6	011·6	011·5	011·3	011·4	011·4	011·9	012·2	012·3	012·6	012·7	012·7	012·4	012·2	011·6
28	012·0	011·3	010·8	010·2	009·9	010·0	010·0	009·9	009·6	009·4	009·1	008·4	008·0	007·3	007·0	007·0	006·9	007·2	007·2	007·9	007·9	007·6	007·4	007·7	008·8
29	007·9	007·8	007·7	007·5	007·5	007·8	007·9	008·0	007·4	008·4	008·4	009·4	010·3	010·5	010·8	011·0	011·1	011·2	011·5	011·3	010·8	010·2	009·3	008·3	009·2
30	007·6	006·2	004·8	003·6	002·7	001·9	001·2	000·6	001·1	002·1	002·1	002·2	002·4	003·0	002·9	002·6	002·4	002·6	002·7	002·7	002·7	002·4	002·1	001·6	002·9
Mean (Station Level)	1010·98	1010·68	1010·39	1010·23	1010·21	1010·38	1010·62	1010·79	1011·05	1011·10	1011·15	1011·07	1011·08	1010·93	1010·86	1010·77	1010·74	1010·88	1011·09	1011·33	1011·33	1011·17	1011·01	1010·85	1010·87
Mean (Sea Level)	1012·24	1011·94	1011·65	1011·49	1011·47	1011·64	1011·88	1012·04	1012·30	1012·34	1012·39	1012·31	1012·32	1012·16	1012·09	1012·01	1011·97	1012·12	1012·34	1012·58	1012·58	1012·42	1012·27	1012·11	1012·12

450. KEW OBSERVATORY: H_b = 10·4 metres

OCTOBER, 1935

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	001·3	000·7	000·1	999·8	999·7	999·5	999·1	998·7	998·6	998·2	998·2	997·6	997·1	996·8	996·4	996·4	996·5	996·7	996·9	997·6	998·2	998·3	998·5	998·7	998·4
2	998·8	998·5	998·6	998·8	999·0	999·2	999·2	998·9	998·2	997·8	997·0	995·8	994·9	993·9	992·4	990·9	989·8	988·2	986·3	984·3	983·5	983·2	982·4	982·0	993·3
3	981·9	981·4	981·5	981·7	982·0	982·1	982·6	983·1	983·4	984·2	984·3	984·4	984·8	984·9	985·0	985·0	985·2	985·3	985·8	985·9	985·9	986·0	986·1	986·0	984·0
4	986·0	985·6	985·4	985·3	985·1	985·1	985·7	986·1	986·5	986·5	987·1	987·1	987·2	987·2	986·9	986·9	987·1	987·4	987·4	987·8	987·4	987·5	987·4	987·3	986·6
5	987·4	987·4	987·4	987·9	988·2	988·7	989·6	990·6	991·3	992·1	992·4	992·8	993·1	993·8	994·3	995·0	995·8	996·4	997·1	997·7	998·2	998·8	999·1	999·9	992·9
6	999·4	999·6	000·1	000·3	000·9	001·5	002·2	003·2	003·5	003·9	004·5	005·0	005·1	005·4	005·7	006·2	006·6	007·4	007·9	008·3	008·9	009·1	009·5	009·9	004·5
7	010·2	011·6	011·8	011·2	011·3	012·0	012·4	012·9	013·2	013·3	013·5	013·3	013·2	013·0	012·7	012·6	012·8	013·2	013·5	013·6	013·9	013·4	012·9	012·4	012·6
8	011·9	011·0	010·0	009·0	008·2	007·4	006·8	006·3	005·8	005·5	005·1	004·4	003·6	003·9	004·4	004·9	005·6	006·3	007·1	008·2	008·3	008·5	008·5	008·5	007·1
9	008·5	008·4	008·3	008·4	008·4	008·2	008·3	008·6	008·8	008·2	007·7	007·3	005·9	005·7	004·3	003·4	001·8	000·3	998·3	997·1	996·2	996·2	995·4	995·1	004·4
10	993·9	992·4	992·3	991·3	989·9	990·0	991·0	992·9	995·8	997·8	999·4	001·0	002·3	003·3	004·8	005·7	006·7	008·1	009·0	009·6	010·3	010·5	010·8	011·0	000·5
11	011·2	011·3	011·2	011·2	011·4	011·5	012·0	012·1	012·8	013·1	013·0	013·1	013·0	013·1	013·1	013·2	013·4	014·0	014·3	014·7	015·6	015·9	016·3	016·7	013·1
12	017·0	017·5	018·0	018·4	019·4	020·3	021·1	022·1	022·8	023·1	023·5	023·6	023·8	023·7	023·7	023·9	024·5	025·4	025·6	026·0	026·2	026·4	026·4	026·5	022·7
13	026·6	026·4	026·4	026·4	026·4	026·4	026·6	027·1	027·1	026·7	026·6	026·4	025·8	025·4	025·0	024·9	024·4	024·7	024·7	024·7	024·7	024·5	024·4	024·1	025·7
14	023·8	023·7	023·6	023·5	023·4	023·4	023·7	024·1	024·6	024·7	024·6	024·6	024·6	024·5	024·6	024·5	024·6	024·6	025·2	025·4	025·8	025·6	025·4	025·4	024·5
15	025·5	025·3	025·1	024·8	024·7	024·7	024·8	025·1	025·1	025·2	025·2	025·2	025·0	024·8	024·6	024·5	024·6	024·7	024·7	024·7	024·7	024·6	024·4	024·5	024·9
16	024·5	024·4	024·3	024·1	023·6	023·9	024·3	024·6	025·0	025·2	025·3	025·7	024·4	024·2	024·2	024·3	024·2	024·3	024·4	025·3	025·2	025·5	025·7	026·4	024·7
17	026·9	027·1	026·7	026·5	026·8	026·9	027·1	027·1	027·2	027·1	026·5	025·8	025·1	024·7	024·6	024·4	023·9	023·9	023·7	023·8	023·8	023·8	023·6	023·5	025·5
18	023·2	023·1	023·2	023·5	023·9	024·3	024·5	025·2	025·7	025·8	025·5	025·3	024·2	023·2	022·2	021·0	019·8	018·2	017·5	016·2	015·2	013·3	011·5	009·9	021·3
19	007·5	005·4	004·0	002·5	002·1	002·4	002·4	002·0	002·1	001·7	001·2	000·4	999·7	999·1	998·6	998·7	999·3	999·5	999·3	999·5	999·5	999·6	999·5	999·6	001·3
20	000·2	000·4	000·5	000·9	001·4	002·0	002·9	003·9	005·0	005·9	006·7	007·4	008·1	008·4	008·9	009·4	010·3	011·2	011·9	012·6	013·4	013·6	013·6	013·7	006·9
21	013·7	013·6	013·5	013·5	013·6	013·5	014·3	014·4	014·5	014·6	014·4	014·0	013·6	013·1	012·8	012·6	012·6	012·6	012·6	012·2	011·8	011·1	010·2	010·1	013·1
22	009·4	009·2	008·9	009·0	009·4	009·5	010·0	010·4	010·8	010·9	011·1	011·1	010·9	010·7	010·7	010·7	011·2	011·5	011·8	012·0	012·2	012·2	012·1	011·9	010·7
23	011·5	011·3	011·0	011·0	010·9	010·6	010·9	011·0	011·2	010·7	010·5	009·7	009·4	009·1	008·4	008·2	008·2	008·1	007·7	007·7	007·4	006·9	006·6	006·5	009·5
24	006·4	006·4	006·3	006·3	006·3	006·5	007·1	007·6	008·3	008·5	008·9	009·1	009·4	009·8	010·3	010·6	011·3	011·8	012·4	012·4	012·5	012·5	012·5	012·5	009·3
25	012·6	012·6	012·6	012·8	013·1	013·3	014·0	014·4	014·9	015·2	015·3	015·3	015·4	015·7	016·1	016·5	017·1	017·8	018·6	019·0	019·5	019·9	020·4	020·5	015·8
26	021·0	021·3	021·5	021·7	022·4	022·5	022·8	023·1	023·3	023·2	023·2	022·8	022·6	021·6	021·1	021·1	020·9	020·9	020·8	020·5	020·2	020·0	019·3	018·6	021·6
27	018·0	017·6	017·1	016·7	016·7	016·7	017·1	016·6	016·7	016·5	015·8	015·0	013·7	013·4	013·2	012·7	012·7	012·5	011·5	011·4	011·2	011·0	010·2	010·1	014·5
28	010·1	010·2	010·1	010·1	010·2	010·6	011·7	012·8	013·9	014·5	015·2	015·4	015·6	016·0	016·3	016·4	016·6	017·0	017·0	016·8	016·9	016·5	016·3	015·5	014·1
29	015·2	015·1	014·5	014·5	013·7	013·4	013·1	012·5	012·4	011·5	010·5	008·9	007·5	006·7	006·2	006·2	006·8	008·6	010·2	011·0	011·5	012·0	012·5	012·2	011·2
30	012·1	012·0	011·5	011·2	011·3	010·5	010·1	009·2	008·4	007·5	006·4	005·1	003·7	002·6	001·4	999·9	999·3	998·9	998·2	997·9	996·7	996·7	996·3	996·0	004·6
31	995·8	995·8	995·6	995·5	994·4	995·3	996·0	996·3	996·2	996·3	996·0	995·6	994·7	994·4	993·5	993·6	994·3	994·8	995·9	997·2	999·2	000·2	001·4	002·2	996·1
Mean (Station Level)	1009·40	1009·24	1009·07	1008·96	1008·96	1009·09	1009·46	1009·77	1010·10	1010·17	1010·15	1009·94	1009·59	1009·42	1009·24	1009·17	1009·29	1009·49	1009·59	1009·71	1009·82	1009·78	1009·65	1009·59	1009·53
Mean (Sea Level)	1010·67	1010·51	1010·34	1010·23	1010·23	1010·37	1010·74	1011·04	1011·37	1011·44	1011·41	1011·20	1010·85	1010·68	1010·49	1010·43	1010·55	1010·77	1010·85	1010·98	1011·09	1011·05	1010·92	1010·86	1010·79
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.) = 10·4 metres — NOVEMBER, 1935

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	002·6	003·0	002·9	002·5	002·3	001·9	001·3	001·3	001·6	002·1	003·3	003·9	005·3	006·5	007·9	008·9	010·1	011·2	011·8	012·6	013·3	013·6	013·4	013·4	006·3
2	013·3	012·9	012·4	011·8	011·5	011·6	011·8	011·9	012·3	012·7	012·5	012·5	012·7	012·6	012·9	013·0	013·4	013·8	014·3	014·5	014·6	014·6	014·4	014·4	013·0
3	014·1	013·4	013·0	012·5	012·1	011·3	011·0	010·5	010·0	009·5	008·5	007·6	007·2	006·4	005·5	005·2	005·0	004·6	004·5	004·2	003·7	003·7	003·8	003·6	008·2
4	003·5	003·0	002·6	002·8	002·5	002·4	002·1	001·8	001·6	001·6	001·3	000·8	999·5	999·6	999·3	999·2	999·1	999·3	999·3	999·3	999·2	999·2	999·2	999·2	000·8
5	999·3	999·3	999·3	999·4	999·6	000·0	999·5	999·8	000·0	000·3	000·3	000·3	000·3	000·1	000·3	000·4	000·8	001·2	001·5	002·1	002·7	003·4	004·3	004·8	000·7
6	005·3	005·7	006·1	006·6	006·8	007·3	007·6	008·1	008·3	008·3	008·1	007·6	007·1	007·0	006·6	006·6	006·8	006·9	007·3	007·4	007·4	007·5	007·3	006·9	007·1
7	006·4	006·2	005·9	005·0	004·6	003·9	003·4	002·9	002·1	001·0	999·5	998·1	996·4	994·6	992·5	990·6	988·9	988·5	988·8	989·4	991·1	992·5	993·4	994·4	997·8
8	995·0	995·4	995·7	996·2	996·3	996·6	996·9	997·4	997·7	998·0	998·1	997·8	997·7	997·5	997·4	997·4	997·3	997·1	997·0	996·9	996·5	995·8	995·2	994·5	996·7
9	994·2	993·6	993·3	992·7	992·5	992·0	991·6	991·3	990·5	991·1	991·9	992·4	992·5	992·7	993·3	993·9	994·7	995·5	995·7	996·2	996·2	996·3	996·7	997·3	993·6
10	997·6	998·3	998·5	999·3	999·8	000·0	000·2	000·3	000·8	001·2	001·7	001·9	002·1	002·5	003·2	003·7	004·5	005·1	005·6	005·9	006·3	006·5	006·7	007·1	002·2
11	007·3	007·4	007·4	007·4	007·8	007·8	008·5	008·9	008·8	008·9	008·9	008·7	008·3	008·0	007·7	007·5	007·0	006·7	006·0	005·2	004·4	003·3	002·4	001·3	007·0
12	000·0	999·0	997·6	996·8	996·8	997·7	999·0	000·1	000·8	001·6	002·3	002·6	002·8	003·1	003·6	003·7	004·4	004·6	004·8	004·9	005·0	004·6	004·6	004·3	001·8
13	004·2	003·5	002·6	001·8	001·6	001·1	000·8	000·5	000·5	000·6	001·2	001·0	000·7	001·2	001·5	002·1	003·3	004·2	005·2	005·6	006·7	007·8	008·5	008·7	003·0
14	009·3	009·5	009·7	009·7	009·6	009·5	009·5	009·5	009·6	009·6	009·6	009·5	008·9	008·6	008·5	008·5	008·5	008·1	008·0	008·1	008·0	008·0	007·8	007·6	008·9
15	007·1	006·6	006·2	005·4	005·1	004·3	003·5	002·7	002·4	002·4	002·1	001·1	000·7	000·7	001·4	002·1	002·3	002·6	002·6	002·6	003·2	003·2	003·4	003·2	003·3
16	002·9	002·6	002·2	001·9	002·1	001·5	001·9	001·8	001·7	001·6	001·5	001·0	000·4	000·2	999·5	999·0	997·9	997·3	996·9	995·9	994·8	993·9	992·9	990·6	999·5
17	988·6	987·2	986·0	984·5	983·2	982·5	981·7	981·3	980·4	979·8	979·3	979·3	979·2	979·9	981·4	982·3	983·4	984·4	985·4	986·2	987·0	987·5	988·5	989·4	983·7
18	990·2	990·8	991·0	991·4	992·2	993·0	993·9	994·4	995·2	995·8	996·6	997·2	997·4	998·0	998·6	999·1	999·9	000·4	001·4	001·8	002·4	002·6	003·0	003·4	996·8
19	003·6	004·0	004·1	004·4	004·6	004·7	004·7	004·6	005·0	004·6	004·0	003·4	002·9	002·1	001·5	000·6	000·6	000·4	000·5	000·3	000·1	999·7	999·6	999·4	002·4
20	999·3	998·8	998·5	998·4	998·2	998·3	998·5	998·6	998·5	998·5	998·3	998·0	997·0	996·6	996·7	996·6	996·5	996·5	996·4	996·5	996·6	997·0	997·2	997·9	997·7
21	997·8	000·8	000·4	001·0	001·2	002·2	002·7	003·5	003·6	004·4	004·9	004·7	004·6	004·6	004·8	005·2	005·4	005·6	006·1	006·4	006·8	007·1	007·5	007·9	003·9
22	008·0	007·8	008·0	008·2	008·4	008·5	008·8	009·1	009·6	009·9	010·1	010·0	009·9	009·8	010·0	010·2	010·5	010·7	011·1	011·2	011·2	011·5	011·6	011·7	009·7
23	011·5	011·6	011·6	011·6	011·7	011·7	011·9	012·4	012·4	012·6	012·7	012·7	012·5	012·5	012·5	012·6	012·8	013·2	013·7	014·2	014·5	014·9	015·4	015·3	012·8
24	015·4	015·5	015·5	015·6	015·9	016·5	016·7	017·3	017·9	018·2	018·5	018·5	018·5	018·4	018·7	018·9	019·4	019·9	020·2	020·5	020·7	021·2	021·4	021·5	018·2
25	021·4	021·4	021·4	021·4	021·4	021·8	021·9	022·1	022·4	022·5	022·7	022·5	021·6	020·9	020·4	020·3	020·0	020·0	019·8	020·0	020·0	019·7	019·4	019·0	021·1
26	018·6	018·3	017·4	016·6	016·4	016·3	016·0	015·7	015·2	015·0	015·3	014·9	013·8	013·9	013·7	013·8	013·9	013·8	014·1	014·6	014·8	014·6	014·7	014·6	015·3
27	014·6	014·5	014·5	014·5	014·7	014·6	014·9	015·6	016·1	016·2	016·3	016·1	015·6	015·6	015·7	015·7	015·6	015·5	015·5	015·1	014·1	013·5	012·5	011·6	015·0
28	010·4	009·0	007·2	006·1	005·3	004·4	003·9	003·4	002·9	002·5	001·8	001·0	999·9	999·7	000·2	001·1	001·6	002·4	002·9	003·6	004·1	004·5	005·3	005·4	003·8
29	005·7	006·9	007·5	007·4	007·7	007·9	008·0	008·4	008·5	009·3	009·2	008·8	008·3	008·1	007·4	007·4	007·3	007·2	007·0	006·8	006·5	006·6	006·6	006·7	007·5
30	006·4	006·4	005·9	005·3	004·6	004·0	003·4	003·1	002·4	001·6	001·0	000·4	999·2	998·0	996·9	995·8	994·3	991·8	988·7	985·3	982·2	982·1	982·2	983·2	997·3
Mean (Station Level)	1005 ·12	1005 ·08	1004 ·81	1004 ·61	1004 ·55	1004 ·51	1004 ·52	1004 ·61	1004 ·63	1004 ·71	1004 ·72	1004 ·48	1004 ·11	1003 ·98	1003 ·99	1004 ·05	1004 ·17	1004 ·28	1004 ·40	1004 ·44	1004 ·47	1004 ·55	1004 ·63	1004 ·61	1004 ·51
Mean (Sea Level)	1006 ·39	1006 ·36	1006 ·09	1005 ·88	1005 ·83	1005 ·79	1005 ·50	1005 ·89	1005 ·90	1005 ·98	1005 ·99	1005 ·74	1005 ·37	1005 ·24	1005 ·25	1005 ·31	1005 ·44	1005 ·55	1005 ·67	1005 ·71	1005 ·74	1005 ·82	1005 ·90	1005 ·89	1005 ·79

452. KEW OBSERVATORY: H_b = 10·4 metres — DECEMBER, 1935

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	983·3	983·4	982·5	981·4	980·8	980·4	980·5	980·7	980·2	979·7	979·8	979·9	979·5	980·0	979·8	979·6	979·9	980·8	980·4	980·5	980·6	981·0	981·4	982·4	980·8
2	983·0	983·3	983·2	982·8	983·2	983·2	983·5	984·1	984·4	985·1	985·4	985·5	985·6	985·8	986·2	986·9	987·6	988·1	988·9	989·2	989·6	990·5	990·6	991·0	985·9
3	991·1	991·2	991·4	991·3	990·8	990·6	990·5	990·4	990·1	989·8	989·7	989·2	988·6	988·5	988·3	988·2	988·2	988·4	988·5	988·8	989·2	989·6	990·4	990·8	989·7
4	991·3	991·9	992·5	992·5	992·8	993·0	993·3	993·9	994·7	995·5	996·3	996·9	997·1	997·2	997·4	997·4	997·4	996·9	996·5	996·1	995·4	994·5	993·9	993·6	994·9
5	993·4	993·2	993·1	993·5	994·0	995·4	996·8	999·3	000·6	002·2	003·5	004·4	005·2	006·1	007·5	008·2	009·2	009·8	010·2	010·5	011·1	011·1	010·6	011·0	003·0
6	010·5	009·9	009·5	009·1	009·2	008·4	007·6	007·2	007·1	006·4	005·6	005·3	004·5	004·2	004·2	004·5	004·6	004·9	005·9	006·5	007·1	007·7	008·2	008·5	007·0
7	008·8	009·1	009·5	009·9	010·3	010·5	010·9	011·6	012·2	012·5	012·5	012·5	012·4	012·3	012·2	011·8	011·8	011·7	011·6	011·3	010·9	009·7	010·4	009·6	011·1
8	009·2	009·2	008·9	009·5	009·4	009·6	009·6	010·4	010·3	009·9	009·8	009·4	009·2	008·8	008·6	008·4	008·6	009·1	008·9	008·9	008·9	008·9	009·0	009·0	009·2
9	008·8	009·0	009·4	009·5	010·2	011·2	012·3	013·6	014·9	016·5	017·0	017·7	018·0	018·5	019·4	020·1	021·0	022·1	022·7	023·8	024·4	025·1	025·5	025·8	017·0
10	026·4	027·1	027·5	027·7	028·3	028·4	028·8	028·8	029·1	029·3	029·3	029·2	028·9	028·5	028·9	028·5	028·7	028·6	028·5	028·0	027·7	027·5	027·7	027·6	028·3
11	027·5	027·7	027·0	026·5	026·6	026·6	026·6	026·8	027·5	027·6	027·6	027·4	028·0	026·9	026·9	027·0	027·1	027·2	027·3	027·4	027·6	027·5	027·5	027·4	027·2
12	027·3	027·2	027·3	027·1	027·1	027·3	027·4	027·6	027·7	027·9	027·7	027·4	026·7	026·3	026·4	026·5	026·7	026·9	026·9	026·9	026·9	026·8	026·7	026·6	027·1
13	026·2	026·0	025·8	025·8	025·8	026·1	026·2	026·1	026·2	026·1	025·7	025·0	024·4	023·7	023·3	023·2	022·9	022·8	022·6	022·5	022·1	021·9	021·7	021·2	024·4
14	020·5	020·3	020·2	019·7	019·4	019·1	018·9	018·8	018·7	018·6	018·3	017·6	016·7	016·1	015·5	014·9	013·7	013·5	012·9	012·3	011·6	010·8	010·1	008·9	016·4
15	007·7	007·1	006·1	004·9	004·0	003·6	003·4	003·0	003·0	002·8	002·5	001·9	001·0	000·5	999·7	999·7	000·0	000·1	000·3	000·6	000·5	000·5	000·4	999·5	002·4
16	998·4	997·6	997·9	998·1	998·2	998·5	998·3	997·8	997·9	998·0	998·2	998·1	998·2	998·6	000·4	000·9	001·7	002·5	002·9	003·3	003·4	003·2	003·0	002·7	999·8
17	002·5	002·5	002·0	001·5	001·3	001·1	001·2	001·3	001·5	001·6	001·3	000·7	000·6	000·9	001·5	002·1	003·0	004·0	004·8	005·6	006·9	007·6	008·4	009·0	002·9
18	009·5	010·5	011·5	012·0	012·2	012·5	012·9	013·4	013·6	013·7	013·5	013·5	012·7	012·2	011·8	011·7	011·3	010·7	010·5	010·1	009·7	009·5	008·8	008·3	011·5
19	007·6	007·3	007·0	006·6	006·4	006·4	006·5	006·6	006·9	007·2	007·1	006·6	005·8	005·6	006·2	006·6	006·7	006·8	007·2	007·3	007·5	007·6	007·7	007·6	006·9
20	007·5	007·7	007·7	007·7	007·8	008·1	007·7	008·4	008·7	009·0	008·9	008·2	007·5	007·1	007·1	007·2	007·2	007·3	007·5	007·5	007·4	007·2	007·3	007·2	007·7
21	007·2	007·2	007·4	007·4	007·1	007·3	007·6	007·8	008·2	008·4	008·2	008·0	007·6	007·7	008·0	008·2	008·4	008·5	008·7	008·8	008·7	008·7	008·8	008·7	008·0
22	008·6	008·6	008·6	008·5	008·1	007·7	007·6	007·8	008·2	008·1	007·9	007·4	006·8	006·6	006·8	006·7	006·7	006·7	006·8	007·3	007·4	007·3	007·2	007·1	007·6
23	007·0	007·0	007·1	007·0	006·9	006·6	006·9	007·1	007·3	007·3	006·9	006·8	005·9	005·5	006·0	005·5	005·3	004·4	004·4	004·4	003·8	003·3	002·4	001·0	005·8
24	999·9	998·9	998·2	996·9	996·1	994·2	993·3	993·1	992·6	992·3	990·2	989·5	988·5	988·3	988·0	987·8	987·8	987·8	987·5	987·2	987·1	986·7	986·1	985·2	991·3
25	984·5	984·3	983·6	983·2	982·5	982·9	983·0	983·2	984·1	984·5	984·8	984·6	984·1	984·1	984·0	983·9	984·0	984·0	983·8	983·2	982·4	981·6	980·9	980·0	983·5
26	978·8	977·8	977·0	976·0	975·0	974·5	974·0	974·1	974·0	974·1	974·1	974·1	974·7	976·5	978·3	979·4	980·4	981·5	983·0	984·0	984·1	984·5	984·7	984·8	978·2
27	984·8	984·9	984·7	984·1	982·6	980·5	979·8	979·6	979·4	979·0	979·1	978·7	978·8	980·8	983·4	985·5	986·9	987·8	989·3	990·1	990·0	990·0	989·5	988·8	984·0
28	988·4	987·5	986·1	984·8	983·5	983·0	983·5	984·3	984·7	985·4	985·5	986·0	986·0	986·4	987·7	988·9	990·1	991·1	992·1	992·8	994·0	995·0	996·1	997·1	988·2
29	998·0	998·4	998·9	999·4	999·5	000·2	000·8	001·4	001·4	001·8	001·7	001·4	001·0	000·9	000·9	001·1	001·0	000·7	000·2	999·4	998·1	997·2	995·8	993·7	999·8
30	993·2	992·9	993·1	993·2	993·0	992·8	992·7	992·7	992·4	992·2	991·1	990·0	988·6	987·7	986·7	985·4	984·2	983·6	983·5	984·1	984·9	986·1	987·5	989·2	989·3
31	990·7	992·5	993·7	994·5	994·8	994·9	994·5	994·2	993·6	992·5	991·7	990·8	990·2	990·3	990·5	991·0	991·7	992·2	992·6	992·7	992·3	992·1	991·7	991·2	992·3
Mean (Station Level)	1002 ·63	1002 ·62	1002 ·53	1002 ·33	1002 ·16	1002 ·08	1002 ·15	1002 ·42	1002 ·62	1002 ·74	1002 ·61	1002 ·38	1002 ·03	1002 ·02	1002 ·31	1002 ·48	1002 ·70	1002 ·91	1003 ·12	1003 ·26	1003 ·27	1003 ·25	1003 ·23	1003 ·05	1002 ·62
Mean (Sea Level)	1003 ·92	1003 ·91	1003 ·82	1003 ·62	1003 ·45	1003 ·37	1003 ·44	1003 ·71	1003 ·91	1004 ·03	1003 ·90	1003 ·66	1003 ·31	1003 ·30	1003 ·59	1003 ·76	1003 ·99	1004 ·20	1004 ·41	1004 ·55	1004 ·56	1004 ·54	1004 ·52	1004 ·34	1003 ·90
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

1935

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	012·66	012·52	012·36	012·25	012·28	012·38	012·55	012·73	012·86	012·92	012·86	012·68	012·46	012·27	012·17	012·12	012·17	012·31	012·49	012·66	012·81	012·63	012·82	012·73	012·54
Sea Level	013·94	013·80	013·64	013·53	013·56	013·66	013·83	014·00	014·13	014·19	014·12	013·94	013·72	013·53	013·43	013·38	013·43	013·57	013·76	013·95	014·08	014·10	014·09	014·01	013·80

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

1935

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
	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.	1023·55	-0·03	-0·05	-0·11	-0·24	-0·29	-0·28	-0·15	+0·10	+0·41	+0·64	+0·60	+0·26	-0·11	-0·35	-0·42	-0·38	-0·25	-0·05	+0·02	+0·13	+0·17	+0·14	+0·13	+0·09
Feb.	1006·14	+0·12	-0·05	-0·29	-0·49	-0·49	-0·56	-0·45	-0·12	+0·02	+0·24	+0·27	+0·09	-0·08	-0·22	-0·29	-0·17	+0·05	+0·26	+0·44	+0·45	+0·32	+0·35	+0·32	+0·27
Mar.	1020·15	+0·04	-0·06	-0·20	-0·24	-0·06	+0·09	+0·42	+0·61	+0·79	+0·76	+0·68	+0·43	+0·09	-0·36	-0·58	-0·80	-0·77	-0·50	-0·26	-0·10	0·00	+0·02	+0·02	-0·02
Apr.	1008·85	-0·21	-0·51	-0·73	-0·85	-0·79	-0·51	-0·26	-0·09	+0·05	+0·21	+0·30	+0·27	+0·25	+0·14	0·00	-0·05	+0·03	+0·13	+0·36	+0·63	+0·61	+0·52	+0·39	+0·12
May	1017·71	+0·24	+0·09	-0·02	-0·09	-0·03	+0·09	+0·23	+0·35	+0·35	+0·30	+0·15	0·00	-0·19	-0·39	-0·60	-0·64	-0·71	-0·55	-0·32	0·00	+0·36	+0·48	+0·50	+0·39
June	1012·06	+0·12	-0·06	-0·25	-0·28	-0·09	+0·08	+0·15	+0·29	+0·26	+0·27	+0·20	+0·10	-0·01	-0·15	-0·31	-0·42	-0·49	-0·42	-0·25	-0·07	+0·27	+0·39	+0·37	+0·28
July	1018·73	+0·27	+0·15	+0·10	+0·10	+0·22	+0·37	+0·52	+0·57	+0·50	+0·39	+0·19	+0·03	-0·18	-0·39	-0·60	-0·77	-0·83	-0·81	-0·62	-0·35	+0·05	+0·25	+0·44	+0·40
Aug.	1014·70	+0·19	+0·09	-0·09	-0·14	-0·06	+0·15	+0·35	+0·49	+0·54	+0·45	+0·31	+0·12	-0·05	-0·25	-0·42	-0·63	-0·72	-0·71	-0·51	-0·15	+0·17	+0·26	+0·32	+0·28
Sept.	1010·87	-0·05	-0·33	-0·61	-0·75	-0·76	-0·58	-0·32	-0·14	+0·14	+0·21	+0·27	+0·20	+0·23	+0·08	+0·03	-0·04	-0·06	+0·10	+0·33	+0·58	+0·59	+0·45	+0·30	+0·15
Oct.	1009·53	-0·12	-0·29	-0·45	-0·56	-0·56	-0·43	-0·06	+0·25	+0·57	+0·65	+0·62	+0·41	+0·07	-0·11	-0·29	-0·36	-0·25	-0·04	+0·06	+0·18	+0·29	+0·25	+0·11	+0·05
Nov.	1004·51	+0·32	+0·30	+0·06	-0·12	-0·15	-0·16	-0·13	-0·01	+0·03	+0·15	+0·18	-0·04	-0·38	-0·48	-0·45	-0·36	-0·21	-0·07	+0·07	+0·14	+0·19	+0·30	+0·41	+0·41
Dec.	1002·62	+0·13	+0·11	+0·01	-0·20	-0·38	-0·47	-0·41	-0·15	+0·04	+0·15	+0·01	-0·24	-0·60	-0·62	-0·34	-0·18	+0·03	+0·23	+0·43	+0·56	+0·56	+0·53	+0·49	+0·30
Year	1012·54	+0·09	-0·05	-0·21	-0·32	-0·29	-0·18	-0·01	+0·18	+0·31	+0·37	+0·31	+0·14	-0·08	-0·26	-0·36	-0·40	-0·35	-0·20	-0·02	+0·17	+0·30	+0·33	+0·32	+0·23

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

1935

Month	Jan.		Feb.		Mar.		Apr.		May		June	
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	021·1	018·5	020·6	010·3	994·5	986·0	014·8	010·3	023·7	020·8	014·5	008·7
2	032·6	022·5	017·8	006·1	015·0	990·8	015·3	010·8	023·4	018·6	008·7	004·6
3	032·8	026·0	019·2	011·7	020·1	014·5	017·0	014·1	018·6	011·3	007·1	005·4
4	026·2	021·5	013·0	008·9	027·8	020·1	015·7	003·0	015·6	010·3	007·2	000·5
5	021·6	013·1	012·1	998·7	029·1	027·5	006·0	003·8	022·0	015·6	003·0	997·5
6	014·2	011·2	023·9	993·0	033·6	028·7	008·7	005·1	026·1	022·0	010·0	003·0
7	018·5	014·1	027·2	023·9	037·2	033·3	005·1	995·6	029·9	026·1	007·2	002·5
8	026·5	018·4	025·6	024·1	037·5	034·8	004·7	993·0	030·4	028·0	020·6	007·6
9	030·2	026·5	024·5	023·4	035·7	026·5	003·1	997·8	028·5	022·3	021·0	011·6
10	031·8	029·3	024·8	022·8	026·5	020·1	001·0	997·1	022·3	018·9	011·6	005·6
11	029·6	011·6	023·6	019·5	032·7	021·6	009·0	000·5	020·7	018·1	008·1	004·0
12	015·3	008·2	019·5	011·1	033·9	030·0	012·5	002·8	022·3	020·1	011·6	008·1
13	014·7	009·7	011·5	999·7	030·0	022·0	016·2	006·5	022·4	017·9	012·0	008·7
14	025·8	009·7	016·6	000·6	022·0	015·6	008·2	004·0	018·4	015·5	010·8	006·7
15	034·8	025·8	017·3	004·9	016·0	002·9	011·9	001·9	017·5	015·0	006·8	003·9
16	036·2	034·5	007·9	998·0	002·9	998·0	001·9	990·2	018·4	014·9	008·6	005·2
17	036·3	033·6	023·3	007·9	013·9	998·9	996·3	990·8	017·6	007·1	013·2	008·3
18	037·3	034·0	023·3	015·9	019·2	013·9	003·9	996·3	014·4	009·0	016·1	007·7
19	038·1	036·2	015·9	007·1	018·9	014·5	008·5	001·8	014·4	010·7	021·0	016·1
20	038·8	037·1	007·1	990·6	016·5	012·9	007·7	999·2	018·4	011·5	018·0	014·9
21	038·2	035·9	992·8	986·7	016·7	013·7	001·4	998·5	023·8	018·4	018·9	015·7
22	036·1	034·6	987·6	973·9	013·7	008·6	009·6	001·4	023·7	016·9	018·8	017·0
23	034·8	030·1	988·8	975·8	013·0	009·8	016·8	009·6	016·9	011·8	019·1	017·1
24	030·1	010·8	991·7	972·0	025·9	012·8	020·0	016·8	015·8	013·3	017·1	010·2
25	010·8	984·1	988·5	970·7	026·6	025·1	019·6	016·5	018·7	014·5	010·9	007·4
26	011·0	985·6	008·4	988·5	027·5	024·7	020·8	016·3	019·5	016·9	015·9	010·9
27	022·3	011·0	004·8	987·4	029·8	025·4	024·8	020·8	019·5	015·1	024·6	015·4
28	025·8	022·3	987·4	983·6	029·8	024·7	027·6	024·8	015·3	014·1	029·9	024·5
29	025·5	023·8	-	-	031·2	023·8	027·4	022·4	014·6	010·1	029·8	022·1
30	025·5	016·7	-	-	031·4	020·4	022·4	018·7	012·8	010·0	022·1	016·6
31	021·6	016·4	-	-	020·4	014·2	-	-	014·8	012·8	-	-
Mean	1027 ·23	1019 ·77	1011 ·60	1000 ·60	1023 ·52	1016 ·64	1011 ·94	1005 ·68	1020 ·01	1015 ·73	1014 ·81	1009 ·58

Month	July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	016·6	009·6	020·6	017·8	012·6	004·2	001·6	996·3	013·6	001·2	983·5	979·5
2	021·7	009·9	021·0	018·7	012·8	004·2	999·3	982·0	015·0	011·5	991·0	982·4
3	024·5	021·7	023·3	020·7	012·9	009·6	986·5	981·3	014·4	003·6	991·4	988·1
4	024·1	022·3	023·8	022·0	009·8	005·7	987·9	985·0	003·6	999·0	997·5	990·8
5	023·4	019·1	026·8	023·8	010·3	008·1	999·9	987·3	004·8	999·2	011·2	993·0
6	022·3	020·2	028·8	026·4	021·4	008·5	009·9	999·9	008·4	004·8	011·0	004·1
7	024·2	022·0	026·6	019·0	022·6	020·7	013·9	009·9	006·9	988·5	012·6	008·5
8	024·1	019·8	019·0	011·7	023·4	020·7	012·4	003·6	998·1	994·4	010·5	008·4
9	019·9	015·8	019·0	011·1	023·4	019·6	008·8	995·1	997·3	990·5	025·8	008·8
10	019·1	017·1	020·6	017·3	024·8	020·3	011·0	989·4	007·1	997·3	029·4	025·8
11	021·6	019·1	018·0	009·3	020·3	009·7	016·7	011·0	009·0	001·3	027·7	026·5
12	021·5	019·0	009·3	005·4	009·7	006·5	026·5	016·7	005·2	996·3	027·9	026·3
13	021·2	019·1	014·9	009·0	012·6	007·1	027·2	024·1	008·7	000·3	026·6	021·2
14	021·8	018·8	019·2	014·9	012·5	009·0	025·9	023·4	009·8	007·6	021·2	008·9
15	022·5	019·0	020·9	019·1	011·8	996·7	025·7	024·4	007·6	000·6	008·9	999·5
16	019·2	016·5	020·6	019·0	002·0	983·9	026·4	023·6	003·2	990·6	003·4	997·5
17	017·1	012·5	019·6	016·6	002·7	980·1	027·4	023·5	990·6	979·2	009·0	000·5
18	014·2	007·1	017·4	016·3	010·5	002·7	025·9	009·9	003·4	989·4	013·9	008·3
19	008·9	003·9	020·4	017·1	010·9	998·9	009·9	998·1	005·6	999·4	008·3	005·6
20	013·3	000·6	021·9	018·4	021·9	010·9	013·7	999·6	999·4	995·9	009·1	007·0
21	021·8	013·3	018·4	012·8	022·4	010·9	014·7	010·1	007·9	997·9	008·9	007·1
22	025·7	021·6	013·2	010·2	012·2	003·5	012·3	008·9	011·7	007·8	008·7	006·6
23	025·9	022·6	010·7	008·7	018·7	012·2	011·9	006·5	015·4	011·5	007·4	001·0
24	024·6	022·2	012·8	006·6	018·0	000·3	012·6	006·2	021·5	015·3	001·0	985·2
25	024·7	019·9	015·8	012·8	018·7	001·6	020·5	012·4	022·9	019·0	985·2	980·0
26	021·3	019·8	014·0	001·0	019·7	013·0	023·5	018·6	019·0	013·7	984·8	973·9
27	020·9	015·4	001·0	996·8	013·0	010·2	018·6	010·0	016·5	011·6	990·2	978·6
28	016·9	015·0	000·6	996·9	012·2	006·9	017·6	010·0	011·6	999·5	997·1	982·8
29	020·7	016·3	009·4	000·6	011·6	007·3	015·5	005·8	009·5	005·4	002·0	993·7
30	023·0	020·7	010·6	003·4	008·3	000·5	012·2	996·0	006·7	981·7	993·7	983·5
31	023·2	019·8	012·0	005·3	-	-	002·2	993·5	-	-	995·1	989·2
Mean	1020 ·96	1016 ·76	1017 ·10	1012 ·54	1014 ·79	1006 ·45	1013 ·49	1005 ·23	1008 ·46	1000 ·47	1006 ·26	999 ·11
									Year	...	1015 ·92	1009 ·15

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.

† See page 23.

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, 1935

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	82·1	82·5	82·5	82·5	82·2	82·1	81·9	82·1	82·3	82·7	83·2	84·4	84·7	84·7	84·2	84·5	84·7	84·8	85·1	84·9	84·9	84·8	84·8	83·5
2	84·7	84·0	83·7	83·7	83·3	83·2	83·3	83·7	84·2	84·3	84·7	84·9	85·1	85·2	85·3	85·1	85·0	84·9	84·8	84·5	84·4	84·2	84·1	84·0	84·4
3	84·0	84·0	84·0	83·9	83·8	83·7	83·4	83·3	83·3	83·3	83·6	83·7	83·7	83·7	83·6	83·2	83·1	83·1	82·8	82·8	82·9	82·4	82·2	81·4	83·3
4	81·5	81·3	80·9	80·7	81·2	81·0	80·9	80·7	80·8	81·1	81·5	81·7	82·0	82·1	81·9	81·1	80·6	80·1	79·9	79·9	80·2	80·1	80·1	80·0	80·9
5	79·6	79·3	79·0	78·7	78·5	77·5	77·1	76·7	76·8	77·6	78·3	79·1	79·5	79·4	79·1	78·5	78·0	77·7	77·0	76·2	75·4	75·6	75·7	74·8	77·8
6	74·9	74·6	74·6	74·2	74·9	75·0	74·8	74·7	75·0	76·2	76·8	77·4	77·9	78·0	78·3	78·0	77·3	76·9	77·0	77·0	76·8	76·6	76·3	75·7	76·2
7	75·8	75·7	75·5	75·4	75·4	74·6	74·6	74·6	74·7	74·9	75·7	75·9	76·0	76·1	76·1	76·1	75·8	75·9	74·9	74·7	74·9	75·1	75·1	75·2	75·4
8	75·4	75·4	75·4	75·1	75·1	75·0	75·2	75·3	75·4	75·5	75·9	75·8	76·0	75·9	75·8	75·8	75·5	75·4	75·5	75·3	74·9	74·4	74·2	73·3	75·3
9	73·0	72·6	71·8	70·8	71·2	71·9	71·5	71·4	71·2	71·7	72·2	72·6	73·2	73·6	74·1	74·3	74·3	74·6	74·3	74·7	74·7	75·0	74·6	74·5	73·1
10	74·9	74·9	75·0	75·0	75·4	75·4	75·5	75·8	76·4	77·0	77·6	78·3	79·5	79·2	79·2	78·8	78·5	78·4	77·9	77·8	77·3	76·9	76·5	76·9	77·0
11	76·6	76·0	75·9	77·0	77·4	78·5	78·3	78·7	79·3	79·8	80·7	80·3	80·6	80·2	79·8	79·8	79·6	79·2	76·6	76·9	77·3	77·3	76·9	77·0	78·3
12	76·9	76·7	76·4	75·9	75·8	76·0	76·5	75·3	75·0	75·7	76·5	76·6	76·9	77·0	76·8	76·4	76·0	75·5	75·2	75·0	74·7	74·4	74·3	74·0	75·9
13	74·0	73·6	73·9	73·7	73·6	73·8	73·5	73·7	74·0	74·7	75·7	76·9	77·5	78·1	78·0	77·6	77·5	77·4	77·2	77·0	77·1	77·5	78·0	79·2	75·8
14	80·6	81·7	82·1	82·5	82·7	83·1	83·1	83·2	83·5	83·7	84·2	84·4	84·4	84·4	84·2	83·7	82·8	82·6	82·4	82·2	82·3	82·3	82·1	81·9	82·9
15	81·9	81·8	81·4	81·1	80·3	79·9	79·3	80·0	80·1	80·5	80·7	81·3	82·4	82·9	83·0	82·1	81·8	81·6	80·9	80·1	80·8	80·1	80·1	79·4	81·0
16	79·9	80·0	79·8	79·6	79·9	79·9	80·1	79·9	80·3	80·8	81·2	81·6	82·0	82·1	81·8	81·4	80·4	79·2	79·1	77·9	77·2	76·9	77·0	78·7	79·9
17	78·8	78·5	78·6	79·0	79·6	79·6	79·8	79·9	79·9	80·1	79·7	80·2	80·4	80·5	80·7	80·3	80·0	79·9	80·1	79·6	79·5	79·2	79·2	79·2	79·7
18	78·9	78·9	79·2	79·2	79·2	79·0	79·1	79·1	79·2	79·3	79·6	79·6	79·7	79·3	79·2	79·0	79·0	78·8	78·4	78·3	78·6	78·6	78·6	78·6	79·0
19	78·5	78·4	78·5	78·6	78·4	78·3	78·5	78·5	78·7	78·7	79·0	79·0	79·1	79·2	79·1	78·2	78·5	78·4	78·3	78·0	77·9	77·4	77·3	77·6	78·4
20	77·5	77·6	77·6	77·6	77·5	77·4	77·3	77·5	77·5	77·7	78·0	78·0	78·5	78·7	79·0	79·1	79·2	79·3	79·0	79·2	79·2	79·0	79·1	78·8	78·3
21	78·7	78·6	78·6	78·6	78·3	78·5	78·5	78·7	78·8	78·9	79·1	79·0	79·1	79·3	79·3	79·3	78·9	78·7	78·1	77·6	77·8	77·3	77·1	77·2	78·5
22	77·2	77·6	77·6	77·0	78·2	78·4	78·6	78·7	79·2	80·1	80·9	81·2	81·6	81·6	81·5	80·9	80·0	79·2	78·6	78·3	78·6	78·6	78·0	76·5	79·1
23	76·1	75·9	76·1	76·2	76·5	76·6	77·0	78·1	78·6	79·0	79·1	79·1	79·6	80·2	80·9	80·3	79·7	79·0	79·4	78·5	77·9	77·2	77·0	77·5	78·1
24	77·0	76·9	76·9	76·5	77·0	77·4	77·2	77·7	78·3	79·1	80·5	81·0	81·2	81·5	80·9	80·7	80·2	79·7	80·1	80·6	80·9	81·6	81·5	81·7	79·3
25	81·9	82·2	82·5	82·6	83·0	82·9	82·2	82·5	81·7	82·1	81·6	81·6	79·5	79·5	79·9	79·3	77·0	77·1	76·7	76·7	76·8	74·2	75·5	76·0	79·9
26	75·9	76·6	77·2	78·1	78·0	77·7	77·3	77·2	77·3	76·5	77·9	77·7	78·1	78·3	77·7	76·5	75·6	75·8	76·0	76·0	75·2	74·3	74·6	73·9	76·7
27	74·0	74·3	74·3	73·7	73·9	74·1	74·0	74·3	74·5	74·6	75·0	75·5	76·1	76·0	76·0	75·8	75·0	75·0	74·9	74·5	74·4	74·1	73·1	73·0	74·6
28	72·6	72·4	72·3	72·1	71·9	71·6	71·3	71·3	72·2	73·2	74·1	74·8	75·7	76·0	76·0	75·4	74·6	74·3	73·9	72·9	72·7	73·1	73·1	72·8	73·3
29	72·2	71·9	71·7	71·4	71·5	71·8	71·9	72·1	72·5	72·1	72·7	73·4	75·1	76·7	76·8	76·5	76·0	76·0	75·9	75·7	75·2	74·1	74·2	74·2	73·8
30	74·0	74·0	74·0	74·0	74·1	73·9	74·0	74·1	74·7	74·9	75·1	75·8	76·6	77·3	77·6	78·2	77·8	77·6	77·6	78·0	78·3	78·6	78·8	78·7	76·1
31	78·7	79·0	79·0	79·5	79·2	78·9	78·3	78·0	78·4	79·3	80·4	80·5	80·5	80·3	80·8	80·4	79·3	78·4	79·0	78·7	78·7	78·6	78·2	78·2	79·2
Mean	77·7	77·6	77·6	77·5	77·7	77·6	77·6	77·6	77·9	78·2	78·7	79·0	79·4	79·6	79·6	79·2	78·8	78·5	78·3	78·1	78·0	77·7	77·7	77·6	78·2

457. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres FEBRUARY, 1935

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

TEMPERATURE

Readings in degrees absolute at exact hours, Greenwich Mean Time

458. KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground)= 3·0 metres — MARCH, 1935

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	77·8	77·8	77·6	77·2	76·7	76·3	76·0	76·0	76·4	77·8	79·0	79·9	81·1	81·0	80·8	80·2	79·5	79·1	79·0	79·0	78·3	78·1	77·8	77·9	78·3
2	77·7	77·0	76·4	76·0	76·2	76·7	77·1	78·4	79·1	79·6	80·2	80·9	81·2	81·1	81·8	81·7	81·2	80·9	80·0	79·9	79·9	79·2	79·0	78·5	79·1
3	78·2	78·3	77·9	78·0	78·1	77·9	78·0	78·2	78·6	79·6	80·0	81·0	80·4	80·3	80·5	80·0	79·5	79·4	79·1	78·9	79·0	78·6	78·1	78·6	79·0
4	78·2	77·6	76·9	76·2	76·0	76·0	75·4	75·5	76·7	79·0	80·2	80·7	81·3	82·0	82·0	82·0	81·5	80·1	78·9	76·7	76·5	75·8	75·1	74·9	78·2
5	73·8	73·2	73·1	74·1	74·1	74·1	74·4	75·3	77·4	79·4	81·3	82·2	83·2	83·0	82·6	81·8	81·1	80·5	80·4	80·0	79·7	79·0	78·9	78·5	78·3
6	78·2	78·0	77·7	77·5	77·4	77·4	77·6	77·9	78·3	79·1	80·1	80·9	81·1	81·3	81·6	81·0	80·9	80·5	80·7	80·3	80·0	79·9	80·0	80·0	79·4
7	79·4	79·3	79·2	79·0	79·0	78·9	78·1	78·8	78·7	79·5	80·2	81·0	81·7	81·8	81·6	81·3	80·5	79·5	78·6	77·7	76·9	77·0	76·9	76·1	79·3
8	76·0	75·7	75·6	76·0	75·7	75·2	75·1	75·3	76·2	76·4	76·1	75·9	75·7	76·0	74·9	74·8	75·0	74·9	74·6	74·5	74·6	74·2	73·9	73·1	75·3
9	72·5	72·1	72·1	72·2	72·1	72·4	72·5	72·9	73·0	73·5	74·0	74·1	74·1	74·4	74·6	74·2	74·2	74·1	74·2	74·6	74·6	74·2	73·8	73·8	73·5
10	73·3	73·2	73·2	73·2	73·2	73·2	73·5	73·6	73·5	74·0	74·1	74·2	74·1	74·6	74·8	75·0	75·2	75·7	75·7	75·7	76·2	77·0	76·9	76·8	74·5
11	76·5	76·2	76·1	75·8	75·2	75·3	75·6	75·4	75·6	75·7	76·4	77·0	77·3	77·3	77·4	77·1	76·7	76·4	76·2	75·7	75·4	75·5	75·4	75·0	76·1
12	74·7	74·2	74·0	73·9	73·8	73·7	74·4	75·0	76·9	77·9	80·4	81·7	82·6	83·0	83·3	83·0	82·3	81·1	79·6	78·2	77·3	76·8	76·0	75·7	77·9
13	75·6	75·2	74·8	74·7	74·4	74·4	74·9	75·3	76·3	77·1	78·2	80·0	81·0	82·1	82·3	82·0	80·5	79·2	78·2	78·3	77·6	76·4	75·7	75·3	77·5
14	75·1	75·6	75·7	75·7	75·7	75·7	75·8	75·7	75·9	77·0	77·5	77·6	77·7	77·7	77·8	77·9	77·8	77·7	77·6	77·6	77·5	77·3	77·0	77·0	76·8
15	76·9	76·9	76·9	76·6	76·9	76·9	76·7	77·0	77·6	78·7	79·9	81·0	81·9	82·6	83·3	83·0	82·6	80·7	79·5	78·6	78·2	78·0	77·6	77·3	79·0
16	77·0	76·6	76·5	76·9	77·0	77·2	77·6	78·3	79·7	81·5	83·2	83·7	84·9	85·4	85·8	84·7	83·2	82·8	82·2	82·0	81·9	81·9	81·9	81·6	80·9
17	81·4	81·3	80·2	80·6	80·9	80·5	80·8	81·2	81·8	82·2	83·1	84·0	84·8	85·3	84·4	84·7	85·4	84·3	83·7	83·1	82·7	82·2	81·0	79·9	82·5
18	79·6	79·6	79·3	78·0	77·7	78·3	78·4	78·7	79·9	81·2	82·7	84·9	85·1	84·8	85·0	85·6	86·0	84·5	83·1	81·6	80·5	79·7	79·2	78·5	81·4
19	77·9	76·8	76·2	76·0	75·9	75·8	76·6	78·5	80·9	82·4	84·1	85·8	86·5	87·4	87·8	87·2	86·0	84·9	83·2	82·0	81·8	81·2	81·5	80·3	81·5
20	78·7	79·1	78·9	78·4	78·4	78·0	78·3	79·9	80·9	83·0	85·3	87·3	88·1	88·9	89·7	90·2	90·1	88·7	86·2	84·6	83·1	81·6	81·6	80·2	83·3
21	79·6	79·1	78·8	77·9	77·0	77·0	76·6	79·2	81·9	84·9	86·9	87·8	88·9	89·8	89·9	90·0	89·9	88·3	86·5	85·5	85·1	84·4	84·0	83·7	83·8
22	82·7	82·4	82·2	82·0	82·0	81·8	81·7	82·9	84·2	85·1	85·0	84·6	84·2	85·1	85·7	85·5	85·2	82·3	81·5	81·3	80·5	80·5	80·2	79·9	82·9
23	80·1	79·9	80·1	80·1	80·1	80·2	80·3	81·1	81·9	83·5	84·3	83·0	82·8	83·0	83·0	83·6	83·6	83·1	83·6	84·6	84·7	84·5	84·3	84·1	82·4
24	83·6	82·7	82·5	82·3	81·9	81·4	82·0	83·7	84·8	85·2	85·6	86·7	86·9	87·6	88·2	88·4	87·7	87·0	85·9	85·2	84·9	84·3	83·8	83·7	84·8
25	83·8	83·9	83·8	83·6	83·1	83·0	82·2	82·7	83·2	84·0	84·3	84·6	85·1	85·3	85·4	85·8	85·0	84·2	83·3	82·7	81·4	80·6	80·1	79·2	83·4
26	78·5	77·7	77·5	78·7	79·3	79·7	80·0	80·1	81·0	81·9	83·0	84·0	85·3	86·7	86·9	86·9	86·5	85·7	84·1	83·1	82·5	81·8	80·9	80·1	82·1
27	79·9	79·1	79·0	78·8	78·2	79·0	79·7	80·1	81·9	83·0	83·9	84·6	85·1	85·8	86·1	86·4	86·2	85·8	84·6	82·8	81·5	80·4	79·8	79·2	82·1
28	78·7	78·2	78·1	78·1	77·7	77·4	77·3	77·5	78·4	80·2	82·3	84·3	85·8	86·8	87·4	87·8	87·7	86·6	85·1	83·9	83·5	82·2	81·8	81·3	82·0
29	81·0	80·5	80·3	80·1	80·0	80·1	80·3	81·3	82·1	83·0	83·9	84·0	83·5	83·4	82·9	82·6	82·4	82·0	80·4	80·0	79·0	78·9	78·9	78·1	81·3
30	78·1	78·0	78·1	77·9	78·0	77·7	77·9	78·0	78·5	79·2	79·9	80·1	80·9	81·1	81·4	81·4	81·4	81·2	81·1	81·2	81·2	81·1	80·6	80·0	79·7
31	79·2	79·3	79·7	79·9	79·8	79·9	80·0	80·0	80·3	81·0	81·5	82·9	84·7	85·7	86·2	86·4	86·1	85·4	83·9	83·6	83·0	82·7	82·7	82·0	82·3
Mean	78·2	77·9	77·7	77·6	77·5	77·5	77·6	78·2	79·1	80·2	81·2	81·9	82·5	82·9	83·1	83·0	82·6	81·8	81·0	80·4	80·0	79·5	79·2	78·7	80·0

459. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — APRIL, 1935

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
	°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	81·4	81·7	82·0	81·9	81·9	82·0	82·1	82·2	82·0	82·8	83·6	83·8	84·0	84·0	83·2	83·0	82·7	82·4	82·1	81·8	81·0	78·3	78·1	82·1
2	78·0	77·4	77·0	76·7	76·6	76·7	76·8	77·9	78·6	79·5	79·9	80·0	81·2	81·1	80·0	79·0	79·0	79·3	78·0	77·7	77·8	76·9	76·1	75·9	78·3
3	75·7	75·6	75·1	74·9	74·6	74·9	75·2	76·1	77·0	78·1	78·9	79·3	78·0	78·0	79·2	78·0	77·7	77·1	76·5	76·0	75·9	75·6	75·3	75·4	76·6
4	75·2	75·2	75·1	74·9	75·0	75·2	75·9	76·7	77·4	79·2	78·0	78·1	79·3	77·0	77·2	76·7	76·5	75·7	75·1	74·7	74·4	74·1	74·1	74·1	76·1
5	74·1	74·1	74·0	73·9	73·8	73·6	73·7	75·3	77·1	78·5	79·7	78·9	79·2	80·3	79·1	80·1	79·9	78·1	77·0	77·0	76·6	76·8	76·0	75·5	76·8
6	75·2	75·0	74·8	74·8	74·0	74·2	75·7	77·1	78·2	79·9	81·0	81·7	82·7	83·1	83·3	83·1	82·7	82·0	81·0	80·9	80·5	80·0	79·9	79·5	79·1
7	79·2	78·9	78·9	78·9	79·9	80·2	80·5	80·5	80·8	81·9	83·7	83·9	85·2	86·0	83·2	82·4	81·9	81·7	81·2	81·1	81·2	81·1	81·1	80·9	81·4
8	81·0	81·0	80·1	80·0	79·0	78·9	79·7	81·0	82·1	82·5	83·0	83·2	81·0	82·4	83·1	84·4	83·9	83·8	83·4	82·8	82·3	80·8	80·3	80·1	81·7
9	80·1	80·9	82·0	83·1	83·9	83·8	84·0	84·6	84·5	85·2	85·5	86·3	86·3	86·3	86·7	86·0	85·5	85·0	84·9	84·8	84·8	85·1	85·0	85·2	84·5
10	85·3	85·4	85·4	85·3	85·2	84·8	84·2	84·3	84·5	85·2	86·6	86·5	86·8	87·0	87·0	86·3	86·0	85·4	84·5	84·2	83·9	82·9	82·7	83·0	85·1
11	82·9	82·7	82·6	82·5	82·5	83·0	83·6	84·3	83·9	83·0	83·9	85·4	86·7	86·5	86·7	86·4	86·3	85·4	83·7	82·1	81·3	80·2	78·7	78·1	83·5
12	77·4	77·0	76·7	77·6	78·2	78·2	79·0	79·5	80·2	81·0	82·0	82·8	83·1	83·6	84·2	84·6	84·0	83·0	81·6	80·5	79·6	78·8	78·2	77·5	80·4
13	77·0	76·5	76·0	75·4	74·3	74·6	75·4	77·7	79·9	81·5	82·6	83·7	83·8	84·2	83·6	83·5	82·5	82·0	81·5	80·3	79·7	79·3	79·3	79·3	79·7
14	79·4	79·4	78·3	78·7	78·4	78·2	78·3	78·9	80·1	81·1	82·6	83·2	82·8	84·3	82·3	84·1	84·3	82·6	81·6	81·0	79·9	79·2	79·0	78·1	80·7
15	77·4	76·5	76·3	76·2	76·7	76·6	77·0	78·1	80·0	81·9	83·2	84·9	85·5	86·3	85·2	85·7	83·9	83·7	83·1	82·4	81·9	81·0	80·8	80·9	81·0
16	81·1	81·1	81·5	81·8	82·3	82·6	83·0	81·7	81·5	82·9	84·0	83·0	82·2	81·4	83·0	83·4	82·7	82·1	81·4	80·4	80·1	80·0	79·1	79·2	81·8
17	78·7	78·5	78·1	78·0	77·8	77·9	79·8	81·4	79·2	81·2	82·2	83·2	83·6	84·5	85·1	84·7	83·6	82·3	81·6	81·0	80·4	80·2	80·0	80·1	80·9
18	80·2	80·6	80·6	81·1	80·7	81·0	81·6	82·1	83·0	83·7	84·6	85·0	85·5	86·5	85·7	83·7	82·3	83·2	82·9	82·7	83·0	83·3	83·3	83·2	82·8
19	83·0	83·0	82·9	82·8	82·8	82·9	83·3	84·1	85·1	85·6	85·7	86·6	86·9	85·5	86·2	86·1	85·9	85·6	84·5	83·6	82·7	82·5	82·0	82·1	84·2
20	82·1	82·1	82·4	82·6	82·4	82·4	83·4	84·9	86·9	87·5	86·1	85·7	84·8	85·0	86·1	86·4	86·5	85·2	83·9	82·5	82·5	81·6	81·2	81·1	83·9
21	81·1	81·6	81·6	81·0	81·4	82·5	83·5	84·6	85·8	86·0	85·9	85·5	85·8	86·3	86·8	86·5	86·8	85·6	84·4	83·1	82·0	81·3	81·8	81·8	83·9
22	81·9	81·9	81·0	80·4	80·0	81·0	82·2	83·2	83·9	84·5	84·6	86·0	86·3	85·1	85·7	86·3	85·8	87·1	85·0	83·0	81·8	80·9	79·9	79·2	83·3
23	79·0	78·5	78·0	78·9	77·5	77·5	80·2	83·0	84·6	85·2	86·8	87·5	87·0	87·0	88·1	88·6	88·7	87·5	85·9	84·9	84·3	83·9	83·1	82·1	83·6
24	82·1	81·1	80·3	80·3	79·9	80·9	81·9	82·3	82·7	82·8	82·7	82·4	82·7	83·1	84·1	85·0	85·0	83·8	82·4	81·3	80·6	79·6	78·7	78·0	81·9
25	77·5	77·6	77·8	78·0	78·4	78·7	79·2	79·9	80·3	81·2	81·7	82·0	82·9	81·9	81·3	81·2	81·3	81·7	81·9	82·0	81·9	81·9	81·7	81·6	80·5
26	81·3	81·2	81·1	81·0	81·0	81·1	81·2	81·9	82·4	82·4	83·0	83·4	84·1	84·3	84·3	84·9	84·3	83·2	81·6	81·2	81·0	80·6	80·3	80·1	82·2
27	80·0	80·0	79·8	79·7	79·8	79·9	80·1	80·7	81·2	81·7	82·0	81·7	82·2	82·5	82·4	82·3	82·4	82·2	81·9	81·4	81·0	80·6	80·5	80·0	81·1
28	79·8	79·7	79·6	79·7	79·8	79·6	79·9	80·3	80·6	81·1	81·9	82·1	82·6	82·9	83·3	83·7	83·6	83·3	82·9	82·2	82·3	82·0	80·9	80·7	81·4
29	80·1	80·0	80·2	80·1	80·0	80·2	81·4	83·2	83·7	85·1	86·0	86·7	86·2	88·0	88·7	88·7	88·5	87·6	86·9	85·7	85·0	84·0	82·9	82·2	84·2
30	81·3	80·8	79·9	79·9	79·3	79·2	79·8	80·9	82·5	84·2	86·1	86·6	86·9	88·1	87·7	87·9	87·2	86·0	85·1	83·1	82·2	82·2	82·1	81·9	83·4
Mean	79·6	79·5	79·3	79·3	79·2	79·4	80·1	80·9	81·7	82·5	83·2	83·6	83·8	84·1	84·1	84·1	83·7	83·1	82·3	81·5	81·1	80·6	80·1	79·8	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 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, 1935

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	81·2	81·1	80·9	80·3	80·1	80·0	79·9	80·4	80·5	81·0	81·3	82·5	82·3	82·4	82·2	82·3	82·0	81·4	80·3	79·7	79·0	78·4	78·2	80·9
2	78·6	78·2	77·3	76·4	76·5	78·2	81·3	83·2	84·6	86·0	86·9	87·8	88·4	88·9	89·1	89·0	87·9	87·4	86·4	85·2	84·4	83·6	83·0	82·2	83·7
3	82·0	82·2	82·7	82·7	81·7	82·0	84·4	86·5	87·5	88·3	89·1	90·1	90·5	90·9	90·9	90·8	89·2	87·4	86·3	85·1	84·4	84·4	84·1	83·9	86·1
4	83·9	83·9	83·4	83·3	83·2	83·7	84·4	85·7	86·9	88·8	89·7	90·6	90·9	90·2	89·6	89·6	90·6	89·7	87·9	85·9	84·7	83·6	83·1	82·6	86·5
5	82·5	82·2	82·3	81·9	81·3	81·8	83·7	86·1	88·3	90·1	90·7	91·6	93·0	93·8	93·7	93·2	93·4	92·6	91·5	90·5	87·8	86·5	85·9	85·4	87·9
6	84·4	83·6	83·2	82·8	83·0	84·6	86·7	88·6	90·8	92·9	93·6	94·6	95·3	95·6	96·1	96·2	96·1	95·7	94·2	91·7	89·9	88·1	86·3	85·6	90·0
7	86·2	85·9	85·1	84·0	83·0	82·7	83·6	85·0	85·8	86·6	88·3	88·9	89·8	89·9	90·3	90·1	88·7	87·7	86·7	84·9	82·9	82·2	82·1	82·2	86·0
8	82·2	82·4	82·4	82·2	82·2	82·5	82·6	83·0	83·0	83·5	84·4	85·2	85·9	86·5	86·7	85·9	85·6	85·1	84·1	83·4	83·1	82·6	82·1	81·9	83·7
9	81·8	81·7	81·5	81·4	81·3	81·5	81·7	81·2	81·9	82·9	84·4	85·3	86·5	87·3	87·6	87·7	87·3	86·3	84·7	83·7	82·9	82·1	81·2	80·7	83·5
10	80·7	80·9	80·9	80·6	81·0	81·9	83·0	84·7	86·3	87·6	88·3	89·0	89·2	89·6	89·9	89·9	89·5	88·9	87·1	85·5	84·2	81·4	80·8	81·0	85·1
11	81·2	81·7	81·6	80·9	80·6	80·9	81·6	82·8	84·3	86·0	88·0	89·3	90·4	90·5	91·3	91·2	91·1	90·6	87·9	85·7	83·5	81·7	81·0	80·7	85·2
12	80·8	81·1	81·4	81·9	81·8	82·0	82·1	82·0	82·5	83·1	83·2	84·0	84·6	84·6	84·1	84·1	83·3	82·7	82·2	81·1	80·9	80·2	79·1	79·0	82·2
13	78·9	78·2	78·0	77·5	77·3	78·3	79·5	80·2	80·7	81·6	81·8	82·0	82·5	82·8	82·9	83·3	83·2	83·5	83·1	80·6	79·5	79·0	78·6	78·0	80·5
14	77·5	77·2	77·3	77·5	77·9	77·9	78·0	77·6	78·9	79·1	78·8	80·5	80·5	79·8	80·4	80·0	79·7	78·7	78·7	77·9	77·3	77·8	78·2	78·2	78·6
15	77·7	78·1	78·3	78·3	77·7	77·7	79·2	80·8	81·8	82·7	82·2	81·5	84·3	84·4	84·4	85·0	85·0	85·1	84·9	81·9	81·3	81·0	79·0	79·2	81·3
16	79·4	79·2	79·0	79·5	79·0	78·7	78·1	78·2	79·1	80·1	80·6	80·7	80·5	80·5	81·2	81·0	80·0	78·7	79·1	77·8	77·4	76·3	75·5	74·8	79·0
17	74·5	73·9	73·0	72·1	73·0	74·5	76·1	78·5	80·3	82·0	82·1	82·7	83·7	83·2	82·4	81·4	81·8	82·1	81·2	80·0	79·5	78·9	78·9	78·3	78·9
18	77·9	77·1	76·1	75·9	75·8	76·7	78·9	80·1	81·1	81·7	82·7	83·0	82·3	81·1	82·8	81·9	82·0	79·9	79·9	79·0	77·3	77·2	76·9	76·3	79·4
19	75·8	75·1	74·7	74·3	74·8	75·9	78·1	80·1	81·3	82·0	83·0	81·8	80·9	80·9	82·0	82·4	82·6	82·0	82·5	82·0	81·7	81·6	81·1	81·1	79·8
20	81·0	81·0	81·1	80·9	81·0	81·7	82·4	84·0	84·7	83·2	86·2	85·7	84·8	84·0	82·6	81·9	81·9	82·2	82·2	81·8	81·7	81·6	81·5	81·1	82·5
21	80·6	80·2	79·5	79·0	79·2	80·5	81·6	82·4	83·4	84·2	85·1	85·3	85·5	86·0	85·9	85·7	85·2	84·9	84·1	83·1	81·7	80·8	80·4	80·1	82·7
22	79·6	79·2	79·0	78·8	79·1	79·7	80·7	81·1	81·9	82·3	83·2	83·8	84·3	84·4	84·7	84·5	84·1	83·5	82·5	82·0	81·2	80·3	80·1	79·3	81·7
23	79·4	79·9	79·4	79·6	80·2	80·8	82·2	84·1	86·2	87·9	89·3	90·2	90·5	90·6	90·4	89·6	89·8	88·4	87·6	86·9	84·7	84·2	84·2	83·9	85·3
24	83·8	83·8	83·7	83·6	84·1	84·6	85·4	87·9	88·2	89·5	90·7	91·0	91·8	92·0	92·2	91·9	91·3	89·9	88·3	86·6	84·9	83·9	83·9	83·9	87·4
25	84·2	83·5	83·6	83·3	83·2	83·2	83·2	83·7	85·2	86·1	87·2	89·9	91·0	91·8	92·2	92·3	92·1	91·3	90·5	87·8	84·9	83·3	82·5	81·7	86·6
26	81·1	81·0	80·9	80·8	80·8	81·0	82·1	83·1	84·7	85·7	87·0	88·3	89·8	90·9	91·0	91·2	91·0	90·0	88·4	86·2	83·8	82·4	81·9	81·7	85·2
27	81·1	80·9	80·7	80·9	80·9	81·0	81·3	81·9	83·1	84·4	85·2	86·4	87·9	86·7	86·7	86·8	88·0	88·2	88·0	87·4	87·3	87·1	86·6	85·9	84·7
28	84·8	84·0	83·7	83·6	83·9	84·7	84·9	86·0	86·8	87·1	87·1	89·0	91·2	90·2	90·1	91·9	90·9	90·9	90·6	89·5	88·0	87·1	87·4	86·2	87·5
29	85·3	84·7	83·4	82·7	83·0	83·5	84·4	84·9	86·0	86·7	88·3	89·8	90·7	92·0	92·4	92·8	92·8	92·6	91·1	88·7	86·8	85·0	83·8	83·4	87·3
30	83·1	83·0	83·0	82·9	82·9	83·0	83·1	84·0	85·4	87·0	89·8	91·0	92·4	92·8	93·0	93·7	91·3	89·3	88·8	87·8	87·1	86·0	86·0	85·8	87·1
31	85·3	84·6	84·0	83·0	82·9	82·6	82·7	82·4	82·9	83·1	83·6	84·0	84·7	84·7	84·7	85·3	85·3	85·6	85·4	85·2	85·2	85·2	85·1	85·1	84·3
Mean	81·2	81·0	80·7	80·4	80·4	80·9	81·8	82·9	84·0	84·9	85·9	86·6	87·3	87·4	87·5	87·5	87·2	86·5	85·7	84·4	83·2	82·4	81·9	81·5	83·9

461. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres JUNE, 1935

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
	°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	84·0	84·1	83·9	83·9	84·0	83·9	84·8	85·2	85·6	86·3	88·1	88·0	89·2	91·0	91·3	90·4	89·4	88·7	87·3	86·3	86·2	85·0	85·2	86·5
2	85·0	84·9	84·8	84·8	85·0	85·2	85·7	86·7	87·9	89·3	90·8	90·9	89·9	90·9	91·0	91·8	91·1	89·7	88·0	87·9	86·8	85·6	84·9	84·1	87·6
3	83·6	83·6	83·6	83·7	83·8	84·3	85·7	86·9	87·6	88·9	87·2	85·2	89·4	87·9	86·3	88·9	88·7	88·0	89·0	86·6	85·2	84·9	84·4	84·4	86·2
4	84·2	83·7	83·6	84·0	84·4	85·0	85·5	86·6	87·5	88·0	88·8	88·2	88·2	87·6	88·2	88·7	88·9	88·0	87·6	86·3	85·1	84·9	84·7	84·0	86·3
5	83·6	83·3	82·8	82·8	83·5	84·0	83·9	83·9	84·2	85·8	87·0	88·5	89·1	90·0	90·9	89·2	89·6	88·9	87·6	86·4	85·8	85·4	85·0	84·5	86·1
6	84·1	83·8	84·1	84·1	83·7	84·5	86·0	86·8	88·0	88·8	89·6	89·6	88·9	87·6	87·6	86·6	86·7	86·6	86·6	86·6	86·6	86·3	86·2	86·2	86·4
7	86·1	86·0	85·6	85·7	85·6	85·6	86·0	86·8	86·7	86·8	87·9	89·7	90·1	90·5	90·2	89·4	89·0	88·5	87·7	87·2	86·6	86·6	86·2	85·7	87·4
8	85·9	85·5	85·3	84·8	84·9	85·5	87·2	87·0	88·0	88·7	88·5	88·9	89·2	89·9	89·4	88·5	89·9	89·9	88·9	87·0	85·6	84·9	83·8	82·8	87·1
9	81·7	80·5	79·4	78·6	80·7	83·0	84·1	86·2	87·8	88·5	89·9	90·4	91·8	92·3	92·9	92·5	92·0	91·2	88·7	87·6	87·1	86·9	86·8	86·7	86·9
10	86·7	86·7	85·6	85·7	85·9	85·8	86·1	86·9	87·9	89·7	91·2	92·9	91·5	90·3	89·9	89·9	92·5	91·2	90·0	88·7	87·4	86·9	86·4	86·2	88·4
11	85·9	85·5	85·5	85·8	85·9	86·5	86·9	87·1	88·4	88·0	88·9	89·1	89·2	89·8	89·7	89·5	86·8	85·0	85·1	85·2	84·7	84·1	83·9	83·4	86·7
12	83·7	84·0	84·4	84·3	84·3	85·4	86·4	86·9	87·3	87·3	87·8	88·2	88·9	90·1	90·2	90·6	90·5	90·0	89·6	87·6	87·6	85·2	84·5	84·9	87·0
13	84·9	84·9	85·2	85·4	85·9	86·0	86·3	87·1	88·0	89·0	89·7	90·7	91·5	91·7	91·8	91·7	91·6	91·5	90·1	87·2	86·4	85·4	84·7	85·2	88·0
14	85·6	86·2	86·3	86·0	85·6	86·2	87·5	87·9	89·4	90·4	91·2	91·2	91·8	90·1	89·8	89·2	88·2	87·4	86·8	86·3	85·6	84·6	83·9	83·5	87·6
15	82·9	83·0	83·1	83·4	83·4	84·8	87·4	87·3	88·7	87·5	88·7	87·7	88·7	89·8	89·4	90·4	89·5	87·7	86·2	85·3	85·2	84·6	84·8	84·6	86·4
16	84·5	84·6	84·2	83·6	83·6	84·0	85·5	86·3	87·4	87·5	89·0	85·8	88·6	87·7	89·6	89·0	89·6	89·3	89·5	87·2	85·9	85·1	84·8	84·9	86·5
17	84·8	84·5	83·8	84·4	84·5	85·1	86·2	86·5	88·3	88·8	89·6	90·7	91·6	90·8	91·2	90·2	89·4	88·1	86·9	85·6	84·8	84·6	84·4	84·4	87·1
18	84·7	85·1	85·7	86·4	86·6	86·7	88·0	88·2	88·2	88·5	88·7	89·8	89·9	90·9	92·0	92·1	92·4	90·9	89·8	89·3	88·7	88·2	88·0	87·0	88·6
19	86·6	86·2	85·9	85·8	85·6	85·5	85·9	86·3	87·3	87·9	88·7	90·6	91·8	92·9	92·4	91·7	90·6	88·8	88·7	88·5	88·4	88·3	88·1	87·9	88·3
20	87·9	87·7	87·6	87·5	87·6	87·6	87·6	88·1	88·7	89·6	89·7	89·4	89·6	89·8	89·7	89·7	89·4	89·1	88·7	88·5	88·4	88·3	88·2	88·2	88·6
21	88·2	88·2	88·1	88·1	88·5	88·6	89·0	90·0	90·9	92·5	93·4	94·0	94·2	94·5	95·6	95·8	97·1	98·2	97·8	94·9	92·6	90·6	89·6	88·6	92·0
22	87·9	87·4	87·1	86·7	89·3	91·1	93·3	95·0	96·7	97·5	98·9	00·1	00·9	01·0	00·3	00·1	99·4	98·5	97·2	95·3	94·2	93·6	93·0	92·3	94·8
23	91·9	91·2	90·9	90·7	90·9	92·1	93·3	95·0	96·5	97·5	98·9	99·7	99·6	00·1	99·9	00·0	99·5	99·5	98·7	96·6	95·2	94·7	93·8	93·3	95·8
24	92·5	92·2	91·5	91·2	91·7	92·9	94·0	95·6	96·9	98·3	99·5	00·4	01·1	00·8	01·1	01·3	00·7	00·3	99·5	97·8	96·9	96·2	95·4	94·5	96·7
25	93·4	92·6	92·3	91·8	92·0	93·2	94·3	96·0	97·9	98·8	00·0	99·7	96·0	93·1	92·6	93·4	93·7	93·3	92·2	92·0	91·6	91·6	91·5	91·4	94·0
26	91·4	91·3	90·6	90·3	90·0	90·7	91·0	91·2	92·7	93·1	93·5	93·7	94·4	94·5	94·7	95·4	95·5	96·4	94·1	93·0	91·6	90·6	89·8	89·7	92·5
27	89·3	89·3	89·4	89·3	89·5	89·6	89·3	89·6	90·5	92·3	92·7	93·4	92·0	93·0	93·1	93·1	93·3	92·5	92·6	92·0	90·7	89·5	88·5	87·6	91·0
28	86·8	86·0	85·4	84·6	86·4	87·4	87·5	89·0	90·5	91·6	92·5	93·7	94·0	95·0	95·6	96·0	97·1	98·2	97·2	95·4	92·1	90·6	89·2	89·0	91·3
29	88·4	87·9	87·4	86·6	87·4	88·6	90·6	94·0	94·8	95·4	96·4	97·2	97·7	98·6	99·1	99·0	98·4	97·3	96·1	93·9	92·5	91·5	90·6	90·2	93·3
30	89·8	89·4	89·0	88·7	89·2	90·6	91·8	93·6	95·2	96·1	96·8	97·2	98·3	98·2	98·3	98·1	97·2	96·4	95·4	93·8	92·8	92·4	91·6	90·8	93·8
Mean	86·6	86·3	86·1	86·0	86·3	87·0	87·9	88·8	89·8	90·6	91·4	91·8	92·2	92·3	92·5	92·4	92·3	91·7	90·8	89·6	88·6	87·9	87·4	87·0	89·3
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.

462. KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres — JULY, 1935

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	90·2	89·8	89·0	88·2	89·2	89·6	90·4	91·4	92·9	94·6	95·6	96·7	96·8	98·1	98·0	98·3	97·2	96·6	95·2	94·4	92·7	92·4	92·3	92·2	93·4
2	91·2	91·1	89·8	89·6	89·5	89·1	89·0	90·6	91·6	92·2	92·7	93·8	94·7	94·2	93·9	94·2	94·2	93·9	92·9	92·1	91·1	90·6	90·6	90·3	91·8
3	89·7	89·3	89·3	89·2	89·0	89·0	88·8	89·7	90·8	91·4	92·0	92·6	93·5	94·3	94·5	95·6	95·9	95·2	94·4	92·2	90·8	89·7	88·7	88·7	91·5
4	88·8	88·9	88·9	88·9	89·2	89·8	90·7	91·3	92·5	93·4	94·1	94·9	95·2	95·7	96·7	96·5	96·5	96·3	95·0	94·2	93·0	92·6	91·9	91·6	92·7
5	90·8	90·2	89·8	89·2	90·1	90·2	91·0	91·2	91·5	92·5	93·0	93·0	94·0	94·2	94·7	95·0	94·6	93·9	92·6	92·2	91·4	90·7	89·9	89·7	91·9
6	89·3	88·7	87·7	87·3	86·9	87·4	87·9	88·6	88·7	89·7	90·5	91·0	91·7	92·5	93·6	93·8	94·2	94·3	94·4	92·5	91·2	90·0	89·0	87·9	90·4
7	87·0	85·6	85·5	84·0	85·0	85·9	87·0	88·5	91·2	92·5	94·0	94·5	94·7	95·2	95·2	95·3	95·0	94·5	93·4	91·4	89·9	89·3	87·6	87·0	90·4
8	86·2	85·3	85·0	84·7	85·6	87·5	88·3	89·7	90·8	91·1	92·1	92·5	93·2	93·6	93·7	94·0	94·2	93·2	92·6	90·5	89·1	88·5	88·3	87·7	89·9
9	87·5	87·2	87·0	86·9	87·2	88·5	89·9	91·6	93·5	95·3	95·8	96·8	98·1	98·2	98·7	99·1	99·1	97·2	96·0	94·4	92·5	92·0	90·6	89·3	93·0
10	88·4	88·4	87·1	86·5	87·3	89·2	89·9	91·9	94·1	96·0	96·9	97·6	98·3	99·0	99·2	00·0	00·7	99·3	97·2	95·5	94·2	93·5	92·6	92·0	93·9
11	91·2	90·9	90·5	89·6	90·3	91·7	92·1	93·1	94·6	96·0	97·2	98·2	98·2	96·2	96·1	98·0	97·9	97·1	96·1	95·4	94·0	93·2	92·3	91·5	94·2
12	91·1	90·9	90·4	89·7	89·5	89·9	90·2	92·0	93·4	94·3	95·0	96·3	98·0	99·1	99·7	99·4	99·0	98·5	97·2	94·3	94·0	93·2	92·7	92·0	94·1
13	91·5	90·7	89·7	89·6	90·0	91·2	92·6	94·3	96·3	98·1	99·5	00·6	01·5	01·8	01·7	01·5	01·0	00·3	99·0	97·1	95·7	94·3	93·3	91·8	96·0
14	91·6	91·5	90·1	89·2	89·8	90·8	92·6	94·4	96·3	98·3	99·3	00·2	01·0	01·5	02·0	02·2	02·1	01·7	98·7	96·9	95·1	94·4	93·8	92·3	<u>96·1</u>
15	91·7	90·9	90·0	88·6	88·2	89·2	90·6	91·6	93·0	94·5	96·2	97·6	98·5	99·4	00·2	99·8	00·4	00·3	99·7	97·2	95·3	94·1	93·2	92·7	94·7
16	92·1	91·5	91·0	90·3	90·4	90·4	90·6	91·7	93·3	94·1	95·2	96·0	96·6	97·1	98·0	98·6	98·7	98·0	97·0	94·6	92·9	91·7	90·5	89·6	93·8
17	88·8	88·5	88·0	87·9	88·2	88·9	90·1	90·5	91·7	92·3	93·5	94·2	94·5	95·0	94·7	95·0	94·5	93·2	92·1	91·3	90·4	89·5	88·3	87·2	91·2
18	86·4	85·9	86·0	86·1	86·4	87·1	88·2	89·0	90·2	91·9	91·7	91·0	90·1	90·6	92·3	89·7	88·4	91·0	90·6	90·0	88·4	87·2	87·2	86·3	88·8
19	85·1	84·9	84·8	85·0	85·3	86·1	87·5	89·6	90·3	91·0	92·0	92·5	92·7	91·8	91·0	90·4	89·7	89·6	88·9	88·8	88·4	88·3	87·7	87·9	88·7
20	88·1	87·7	87·8	87·8	87·9	88·2	88·9	90·3	91·3	91·6	92·5	92·2	93·0	93·2	92·8	89·9	88·5	90·5	90·5	89·2	87·8	86·8	86·6	85·9	89·6
21	85·4	84·8	84·3	84·0	84·4	85·7	86·6	87·9	89·1	89·6	90·4	91·1	91·5	91·9	92·0	92·6	91·7	91·2	90·5	89·9	89·2	88·9	88·5	88·2	<u>88·7</u>
22	87·7	87·8	87·9	87·9	88·0	88·5	89·1	90·3	91·5	91·3	92·6	92·9	93·3	94·1	94·6	95·4	94·9	94·6	94·3	93·6	93·1	92·6	92·0	91·6	91·6
23	91·3	90·4	89·0	87·9	87·6	89·6	91·0	92·8	94·5	94·9	95·6	96·3	96·8	98·3	98·1	98·5	98·3	97·6	97·1	94·1	92·1	91·0	89·5	89·2	93·4
24	88·6	87·9	87·8	87·0	86·9	87·8	89·9	91·9	94·5	96·0	96·6	98·3	98·0	99·2	99·6	98·3	97·9	96·9	96·0	94·9	93·4	93·3	92·1	91·0	93·5
25	90·0	89·4	88·6	88·1	88·0	88·9	89·6	90·5	91·1	92·1	93·9	95·3	96·0	96·9	97·4	97·9	98·0	97·9	96·0	93·5	91·7	90·9	89·1	89·7	92·6
26	89·4	89·0	88·6	87·9	87·7	88·5	89·5	90·1	91·1	91·6	93·2	93·7	94·5	95·3	95·9	96·1	95·7	95·5	94·5	93·0	92·0	89·9	88·1	88·0	91·7
27	88·6	87·3	87·2	87·1	87·6	88·4	89·7	91·0	92·8	93·3	94·0	94·9	95·4	96·4	96·9	97·0	96·5	95·4	93·5	92·8	92·0	91·2	91·0	91·2	92·1
28	91·6	91·6	91·6	91·0	90·6	90·6	91·3	91·8	92·4	93·6	94·5	95·3	96·2	96·5	96·7	97·4	96·4	97·1	96·3	94·2	92·4	92·2	92·0	91·2	93·5
29	91·1	91·1	91·0	90·6	90·1	89·6	89·3	89·1	89·5	90·2	91·0	91·9	92·4	92·9	93·2	93·2	93·4	93·3	92·4	90·6	89·7	89·1	88·6	88·1	90·9
30	87·1	85·9	85·3	84·2	83·9	84·6	85·4	87·0	88·6	89·6	90·7	91·6	92·7	93·1	93·7	94·0	94·1	94·0	93·3	91·5	90·2	89·1	88·1	86·6	89·4
31	85·6	85·0	84·2	83·2	82·5	84·0	86·2	88·3	90·0	90·6	91·4	92·1	93·0	93·9	94·3	95·0	95·0	95·1	93·9	90·2	88·7	86·7	85·9	84·9	89·2
Mean	89·1	88·6	88·2	<u>87·7</u>	87·8	88·6	89·5	90·7	92·0	93·0	94·0	94·7	95·3	95·8	96·1	<u>96·2</u>	95·9	95·6	94·6	93·0	91·7	90·9	90·1	89·5	92·0

463. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — AUGUST, 1935

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	84·6	83·9	83·8	83·8	83·0	86·0	86·7	88·2	88·8	89·6	90·6	91·6	92·7	92·9	93·5	93·3	93·3	92·7	92·0	90·3	88·9	88·0	86·6	85·5	88·8
2	85·2	84·6	84·3	83·8	83·6	84·9	86·6	88·5	89·6	90·7	91·4	92·8	93·5	94·9	94·7	95·1	95·2	94·2	92·9	90·7	89·3	87·6	86·8	86·0	89·4
3	85·5	84·8	84·2	84·1	84·0	85·1	86·3	86·8	87·6	88·3	89·0	89·6	90·7	91·5	93·1	93·9	94·0	92·4	91·3	90·3	89·2	88·4	87·1	86·4	88·5
4	85·9	85·0	83·7	85·4	85·0	85·8	87·2	88·1	89·9	91·4	92·6	93·6	93·9	94·4	95·5	96·4	94·7	93·6	94·4	91·9	90·6	89·7	87·9	87·2	90·1
5	86·2	86·4	85·5	85·2	85·1	86·2	88·0	90·1	92·3	93·9	94·7	95·7	97·4	97·7	98·1	98·6	98·1	96·4	96·6	93·7	94·3	93·0	91·3	90·0	92·2
6	88·8	88·7	87·6	88·2	87·5	88·5	90·1	91·6	93·8	95·9	97·1	98·0	98·9	99·9	99·7	99·6	00·0	00·0	99·0	96·3	94·6	93·4	91·3	90·3	94·1
7	89·4	89·0	88·5	88·5	87·9	89·0	91·0	92·5	94·4	95·5	97·5	98·9	99·9	01·5	01·4	00·1	01·1	98·9	98·1	96·1	94·7	93·4	91·8	91·2	94·6
8	90·7	90·0	89·3	88·7	88·4	90·1	92·2	94·0	94·9	96·0	97·9	99·3	01·4	01·3	01·6	00·6	00·2	99·6	97·8	96·8	95·9	94·6	93·3	92·6	<u>95·3</u>
9	92·1	91·5	91·5	91·4	91·0	90·3	90·9	91·0	91·7	93·0	93·2	93·3	93·3	93·8	94·1	94·8	94·9	94·8	94·1	91·4	90·0	90·4	88·9	86·8	92·1
10	87·1	86·6	85·9	85·3	85·0	86·1	87·1	90·3	92·1	94·0	95·3	96·3	97·0	97·9	98·4	99·0	99·4	99·3	97·6	94·6	92·7	91·5	90·1	89·6	92·4
11	89·1	88·5	87·7	87·6	86·6	88·3	89·7	91·1	91·6	92·7	94·3	95·6	95·7	96·5	97·3	98·2	99·4	99·4	96·2	94·2	92·7	91·9	91·1	90·3	92·7
12	89·2	87·7	86·7	86·1	86·1	86·9	88·4	89·6	91·6	93·1	94·2	94·3	95·4	95·7	94·6	93·5	91·4	89·8	89·2	88·7	88·6	87·7	87·2	87·2	90·2
13	87·2	86·9	86·0	85·2	84·7	84·5	85·6	86·9	88·0	89·2	89·8	90·9	90·9	91·9	92·4	92·4	92·2	91·8	91·0	89·6	88·2	86·3	86·1	85·3	88·5
14	84·4	84·3	83·5	82·5	82·5	83·4	84·4	87·2	89·2	89·6	90·5	91·5	91·9	91·9	92·3	92·7	92·3	91·8	91·5	90·4	90·3	90·0	89·5	89·1	88·5
15	88·8	88·7	88·1	87·7	87·5	87·6	87·7	88·4	89·7	91·2	91·3	92·4	92·7	92·7	93·2	93·2	93·3	92·6	92·0	90·6	90·6	90·2	89·9	89·2	90·4
16	88·2	87·7	86·6	86·1	86·3	87·5	88·8	89·8	91·0	92·3	92·5	91·7	92·3	92·0	94·6	94·0	93·2	92·9	92·3	91·8	91·2	90·9	90·2	89·1	90·5
17	87·7	87·3	87·0	86·4	85·5	86·2	87·7	89·7	90·9	91·8	92·9	94·2	94·9	95·2	94·9	95·0	95·2	94·5	93·2	92·2	92·0	91·6	91·0	90·4	91·1
18	90·2	88·8	88·7	88·4	88·5	88·8	89·7	90·8	91·8	92·4	93·7	94·2	93·5	93·5	94·9	94·6	93·8	94·2	92·4	91·0	89·9	89·6	88·7	87·8	91·3
19	87·9	87·6	87·2	87·1	87·0	88·1	88·5	87·5	88·8	90·8	91·8	94·3	95·2	95·9	96·9	97·3	97·7	97·0	95·4	94·2	93·0	91·8	91·2	90·2	91·7
20	89·7	89·4	89·0	89·4	89·2	89·4	90·2	91·7	93·4	95·3	96·4	97·5	98·6	99·7	00·1	99·2	99·7	98·5	96·4	94·0	92·4	91·0	89·7	88·7	93·7
21	89·6	89·7	89·0	88·9	88·5	88·4	91·6	94·4	96·5	97·6	98·8	99·8	00·6	01·0	00·9	00·9	99·3	00·1	97·2	94·6	93·0	92·7	91·8	91·0	94·8
22	90·4	89·2	89·0	88·6	88·5	88·7	92·3	95·5	97·2	97·8	99·7	01·0	01·4	01·7	01·1	00·3	99·6	99·5	97·3	94·5	93·4	92·3	90·8	89·4	95·0
23	88·8	89·1	88·1	89·2	88·1	88·1	87·5	88·0	89·9	90·7	91·3	90·1	91·0	93·6	93·4	93·1	92·2	91·6	91·2	90·6	89·7	89·4	89·1	89·3	90·1
24	89·3	89·3	89·3	89·5	89·6	89·6	89·5	89·5	89·5	89·7	90·0	89·8	90·2	90·4	91·1	90·4	89·1	88·3	88·1	88·0	87·7	87·7	87·4	87·2	89·2
25	87·0	86·4	85·9	85·5	85·9	85·7	86·4	87·9	89·8	90·4	91·5	92·6	93·0	93·0	94·3	94·3	94·9	94·5	92·5	90·6	90·2	89·7	90·7	89·0	90·0
26	89·4	89·1	89·0	88·0	88·0	88·2	87·9	88·2	88·4	89·1	89·6	90·8	92·5	93·9	94·7	96·2	96·9	94·9	93·6	92·4	91·6	91·0	91·0	91·0	91·0
27	91·0	90·9	90·7	88·0	88·2	87·9	88·9	89·4	88·3	88·8	89·2	89·0	89·3	89·8	90·2	90·5	89·9	89·7	88·5	87·0	85·9	85·1	84·5	83·5	88·7
28	82·9	81·4	81·0	81·0	80·6	81·5	83·6	85·0	86·2	87·2	88·0	89·0	89·7	89·3	90·8	91·1	88·1	88·8	87·3	86·6	85·2	84·6	83·7	82·8	<u>85·7</u>
29	82·6	82·1	81·7	82·2	82·6	82·3	83·1	84·6	86·4	87·6	88·7	89·0	90·0	89·5	90·3	90·6	90·9	89·1	88·1	87·1	86·8	86·2	85·7	85·1	86·3
30	85·0	84·9	84·7	84·5	84·5	84·9	86·0	87·3	88·6	89·4	89·3	89·8	89·9	88·3	86·4	86·3	86·3	86·7	87·0	87·3	88·4	88·5	88·8	89·0	87·1
31	88·8	89·3	89·4	89·5	89·1	89·3	90·1	90·8	91·8	92·7	92·1	93·3	93·4	93·6	92·9	93·0	93·1	91·7	90·8	90·3	90·2	90·1	89·9	89·7	91·0
Mean	87·8	87·4	86·9	86·6	<u>86·4</u>	87·0	88·2	89·5	90·8	91·9	92·7	93·5	94·2	94·7	95·1	<u>95·1</u>	94·8	94·2	93·1	91·5	90·7	89·9	89·1	88·4	90·8
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

BB

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, 1935

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	89·7	89·3	88·8	88·1	87·9	88·3	88·9	90·1	91·4	92·2	91·3	93·0	93·7	94·0	93·2	94·6	93·3	92·7	91·7	91·1	90·7	90·0	89·9	90·0	91·0
2	90·1	89·2	88·8	88·1	88·1	87·9	89·0	89·1	89·0	91·1	90·1	90·2	91·3	92·3	92·8	89·0	90·1	90·6	89·7	88·5	87·8	87·2	86·5	86·4	89·4
3	86·0	85·9	86·0	85·5	85·1	85·5	87·0	88·1	89·9	90·7	91·5	92·5	92·8	93·5	94·1	93·4	93·8	91·2	90·0	88·9	88·6	87·9	87·8	87·8	89·3
4	87·1	86·7	86·0	85·6	85·9	85·8	87·2	87·5	88·2	87·9	89·0	90·4	91·4	91·1	91·7	92·0	90·7	90·0	89·0	88·0	87·2	86·5	86·0	85·3	88·2
5	85·2	84·9	84·9	85·3	85·8	85·9	86·5	87·1	87·8	89·4	89·6	90·4	91·0	92·2	91·8	91·4	90·8	90·0	88·3	87·1	86·6	85·7	85·3	84·9	87·8
6	84·7	84·2	83·8	83·4	83·3	83·2	84·1	85·3	86·8	87·9	88·8	89·7	90·2	90·8	91·2	91·3	91·2	90·7	88·9	86·6	85·7	86·2	85·9	86·1	87·1
7	85·0	83·6	82·2	81·7	80·6	81·1	82·5	83·9	85·3	87·3	88·2	89·3	90·3	90·7	90·1	90·7	90·1	89·0	87·8	87·0	86·4	85·7	85·1	84·6	86·2
8	84·0	82·7	82·1	82·3	82·0	82·0	83·3	85·0	86·4	87·7	89·1	90·4	90·8	92·4	91·1	91·9	91·1	89·3	87·9	87·1	86·9	86·3	86·0	86·1	86·8
9	85·6	85·1	85·1	85·0	84·5	84·2	85·6	86·9	88·2	88·9	89·7	90·4	90·2	90·2	89·5	89·4	89·1	88·5	87·9	87·4	87·6	87·2	86·4	85·2	87·4
10	84·8	84·8	84·4	83·6	82·7	81·8	82·6	84·6	86·9	88·3	89·2	90·1	90·1	91·0	90·5	90·9	90·2	88·3	87·5	86·4	86·2	86·1	86·1	86·2	86·8
11	84·9	84·2	83·8	83·0	82·4	82·0	84·4	86·6	88·6	89·9	91·2	91·9	92·3	92·8	92·8	92·9	92·0	89·7	88·0	86·7	86·2	85·9	85·7	85·6	87·7
12	85·6	85·6	85·5	85·1	85·1	84·9	86·2	88·5	91·2	92·2	92·9	93·5	94·4	93·6	92·5	92·4	92·4	91·6	90·0	88·8	87·6	87·1	86·9	87·7	89·2
13	88·0	88·5	88·5	88·1	88·0	88·4	88·9	89·7	90·0	90·6	91·1	91·9	92·6	92·7	92·6	92·6	92·5	90·9	89·2	88·2	87·4	86·7	86·1	86·1	89·6
14	86·0	86·4	86·6	86·5	86·4	86·2	87·6	89·0	90·5	91·0	92·1	92·8	93·0	91·8	92·5	92·9	91·9	90·4	89·4	88·6	88·2	88·0	87·6	87·5	89·3
15	86·6	86·2	85·9	86·0	85·9	86·5	88·0	88·8	89·2	89·0	89·3	90·1	89·2	89·5	90·5	90·5	90·2	89·6	88·2	87·3	86·9	86·4	85·8	85·5	88·0
16	85·5	85·4	85·2	85·0	84·6	84·4	85·5	86·5	87·8	88·9	89·5	89·4	89·9	89·7	90·2	89·2	88·7	88·5	88·4	86·9	87·2	87·5	87·7	87·6	87·4
17	87·9	87·3	86·7	86·5	85·8	86·0	86·5	86·3	87·4	88·2	88·6	89·4	88·7	90·4	90·3	90·2	89·9	88·9	87·9	87·3	86·7	86·2	85·7	85·5	87·7
18	85·7	85·0	84·7	84·7	84·6	84·5	84·8	85·2	86·3	87·2	88·3	88·5	88·9	88·2	88·2	89·0	88·9	88·0	87·7	87·5	87·3	87·4	87·4	87·1	86·8
19	87·0	86·9	87·1	87·5	88·2	88·9	89·6	90·5	91·1	92·6	92·9	93·5	93·9	93·7	93·6	93·2	92·0	90·6	89·6	88·9	88·8	88·3	88·5	88·7	90·2
20	88·9	88·8	88·7	88·7	88·5	88·5	88·6	90·1	90·4	90·8	91·1	92·2	93·2	93·9	93·0	92·9	92·7	91·6	90·2	89·0	87·3	86·2	85·4	85·0	89·9
21	83·9	83·9	83·3	83·3	83·5	84·0	85·0	87·0	88·7	89·6	90·2	90·3	91·0	92·0	92·6	93·0	93·3	92·2	91·2	90·6	90·0	89·6	89·6	89·5	88·5
22	88·9	88·9	88·9	89·2	90·2	90·2	89·9	90·2	90·6	90·6	89·5	89·6	89·0	89·2	89·7	89·6	89·3	88·3	87·0	86·6	85·8	85·3	84·8	83·7	88·7
23	83·6	83·6	83·1	82·1	81·1	80·7	81·4	83·0	84·7	85·7	87·2	88·8	88·0	88·6	89·2	89·1	88·7	87·2	86·8	84·8	83·8	82·5	82·1	81·4	84·9
24	81·8	81·8	82·4	82·4	82·5	82·6	83·4	83·7	84·7	86·7	87·7	87·0	86·8	87·0	87·3	87·0	87·6	88·0	88·2	88·3	88·7	88·2	87·5	86·8	85·6
25	86·4	86·2	85·8	85·2	84·8	83·6	83·4	83·6	84·4	85·1	86·0	86·3	86·9	87·3	87·4	87·4	86·9	85·8	84·8	83·6	82·1	81·8	79·9	80·9	84·9
26	80·3	79·3	79·1	78·4	78·3	77·2	79·6	80·7	82·2	84·2	86·3	87·3	88·2	88·2	88·2	87·8	87·3	86·7	86·2	85·7	85·6	85·7	86·0	86·0	83·8
27	86·0	86·6	86·9	87·1	87·6	88·0	88·4	88·9	89·1	90·2	90·6	92·2	92·7	93·6	93·9	93·6	92·3	91·2	90·4	89·6	89·0	89·2	89·2	89·1	89·7
28	89·1	89·1	89·2	89·7	90·0	90·0	90·0	90·3	90·2	90·9	91·4	92·3	93·0	93·6	93·9	93·0	91·6	90·5	89·2	89·0	88·9	88·5	87·7	87·6	90·4
29	87·5	87·9	87·9	88·0	87·9	87·9	86·0	85·0	84·2	83·4	83·5	84·0	84·2	85·7	87·6	88·3	87·9	87·0	86·0	85·5	85·2	85·7	86·2	86·5	86·2
30	86·2	85·6	85·9	86·4	86·6	86·9	86·9	86·7	87·4	86·4	87·0	86·9	86·0	83·1	85·7	86·2	85·9	84·8	84·0	83·7	83·1	82·8	82·4	82·1	85·5
Mean	86·1	85·8	85·6	85·4	85·3	85·2	86·0	86·9	88·0	88·8	89·4	90·1	90·5	90·8	90·9	90·9	90·4	89·4	88·4	87·5	87·0	86·6	86·2	86·1	87·8

465. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres OCTOBER, 1935

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
	°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	81·9	81·8	82·0	82·1	82·2	82·9	84·1	85·6	86·6	87·0	86·8	85·6	86·1	86·9	86·0	85·3	84·6	84·4	84·3	84·2	83·8	83·1	82·8	84·2
2	81·6	81·2	80·5	80·3	79·6	79·0	79·6	81·2	82·6	83·4	85·0	86·4	86·6	86·5	86·1	86·0	84·8	84·0	84·5	84·6	85·3	85·0	84·3	84·0	83·4
3	83·4	82·9	82·5	82·9	81·5	81·0	82·0	82·8	84·8	84·7	84·7	85·0	84·8	84·9	84·6	84·6	83·9	83·1	83·4	83·0	83·0	83·2	83·2	83·1	83·5
4	83·3	83·4	83·3	83·6	84·0	84·6	84·6	85·4	86·5	86·9	86·4	87·4	87·7	87·0	87·2	87·6	87·0	86·4	85·7	85·0	84·3	84·2	84·5	84·4	85·4
5	84·0	84·1	84·2	83·9	83·7	83·0	82·7	83·5	84·5	85·1	86·5	86·7	87·3	87·2	87·4	86·8	86·1	85·5	84·8	84·3	83·6	83·3	82·6	81·6	84·7
6	81·3	81·8	81·0	79·8	79·6	80·0	80·9	80·8	81·4	82·4	83·4	84·2	85·8	86·2	86·0	86·5	85·8	84·2	82·4	81·2	81·1	80·5	79·9	80·1	82·4
7	79·6	78·7	78·7	78·6	78·0	77·6	77·9	78·4	79·0	81·0	83·5	85·6	86·6	87·4	87·4	87·5	86·4	85·3	84·0	83·0	82·4	81·4	80·8	81·0	82·1
8	81·0	80·7	80·7	82·5	82·7	83·2	83·7	84·3	84·6	84·0	83·4	83·6	84·1	84·5	85·2	84·9	84·4	83·0	82·5	81·9	81·7	81·5	81·2	81·2	82·9
9	81·3	81·9	82·2	81·7	81·2	81·3	81·7	82·5	84·0	84·9	86·0	86·0	87·0	86·7	86·5	86·2	85·9	86·1	86·5	87·2	87·7	87·4	87·4	87·9	85·0
10	88·3	88·2	87·9	87·9	88·0	87·3	86·4	85·2	85·1	85·5	85·9	86·4	86·7	87·0	87·1	86·6	85·7	84·8	83·7	83·1	82·8	82·4	82·3	82·2	85·8
11	82·2	82·1	82·2	82·0	81·9	81·4	81·3	82·4	83·8	84·9	85·9	86·5	87·6	86·6	86·4	86·5	85·5	84·2	83·4	82·4	81·9	81·0	80·4	79·8	83·5
12	79·4	78·9	78·3	77·8	77·6	77·4	76·7	78·8	80·7	82·1	84·3	85·2	86·0	87·0	86·8	86·8	85·7	84·0	82·4	81·7	81·1	80·5	80·4	80·1	81·7
13	80·0	79·5	79·9	78·9	79·6	78·7	78·7	80·3	82·5	84·2	85·5	86·4	86·5	86·7	87·0	86·4	85·7	84·9	83·9	83·1	82·5	82·5	82·6	83·3	82·8
14	83·1	83·2	83·5	84·0	84·2	84·3	84·6	85·0	85·6	86·4	87·5	87·5	88·0	88·1	88·0	88·0	87·4	86·4	85·5	85·2	85·2	85·5	85·6	85·1	85·7
15	85·2	85·4	85·2	85·2	85·6	85·6	85·9	86·4	87·4	87·5	87·8	88·0	88·2	88·5	88·3	88·2	87·6	87·4	87·2	87·1	86·9	86·5	86·0	85·8	86·8
16	86·1	86·1	86·1	86·0	85·6	85·9	86·0	86·0	86·4	87·0	87·9	88·5	89·2	89·6	89·7	89·4	88·9	88·5	88·0	87·8	87·7	87·7	87·6	85·4	87·4
17	85·6	85·5	85·4	85·1	84·8	84·2	83·0	83·9	85·2	86·2	87·1	87·7	88·1	88·5	88·2	87·2	86·4	85·9	85·4	85·1	84·7	84·0	83·8	84·0	85·7
18	84·0	84·1	84·1	84·6	85·0	84·2	83·5	83·7	84·7	85·1	85·5	85·6	86·5	87·2	87·4	87·1	86·5	86·0	86·1	86·0	85·9	85·3	85·0	85·0	85·3
19	84·9	85·2	85·5	85·5	85·6	83·4	83·1	83·4	84·3	84·8	85·0	85·6	85·6	85·6	85·0	84·6	83·7	82·9	82·4	82·0	81·8	81·5	81·3	80·9	84·0
20	81·3	81·3	81·3	81·0	81·0	80·7	80·7	80·8	81·3	81·6	82·0	82·0	82·0	81·9	81·8	81·7	80·3	79·3	78·2	77·4	76·4	75·7	75·3	75·0	80·1
21	74·0	73·6	72·9	72·3	72·2	71·6	72·6	73·9	74·3	76·3	78·6	79·6	80·4	81·3	81·5	81·2	80·0	78·5	77·9	77·5	78·3	79·0	78·6	78·6	76·8
22	78·4	78·4	78·1	78·4	78·4	78·5	78·6	78·7	78·7	79·6	80·1	80·2	80·6	81·1	81·3	81·6	81·6	81·2	80·6	80·0	78·3	77·9	76·9	76·6	79·4
23	75·4	75·3	75·6	75·5	75·7	74·9	75·6	76·4	79·2	81·5	82·5	83·3	83·9	84·0	83·6	82·6	81·0	79·9	79·9	80·0	80·2	80·5	80·5	80·3	79·4
24	80·2	80·0	80·1	80·1	80·1	79·9	79·9	80·3	81·2	82·2	83·1	83·4	83·4	82·6	81·8	81·4	80·9	80·6	80·0	80·1	80·3	80·1	80·0	79·7	80·9
25	79·6	79·6	79·3	79·3	79·3	79·6	78·8	78·5	80·1	81·6	82·5	83·0	83·9	83·7	83·7	83·0	81·8	80·9	79·9	78·9	77·9	76·7	76·3	75·5	80·2
26	75·0	74·6	74·0	74·0	73·5	73·3	72·9	73·3	74·0	75·3	78·0	80·0	82·1	83·2	83·3	83·0	82·9	82·9	83·0	83·1	83·2	83·8	84·1	85·3	78·9
27	85·0	85·2	86·2	86·6	86·9	86·7	86·5	86·4	87·0	87·2	87·4	88·1	88·4	88·8	88·1	87·7	87·2	87·2	87·2	87·6	87·7	87·7	87·8	87·7	87·1
28	87·6	87·7	87·7	87·7	87·7	87·9	88·1	89·0	89·1	89·3	89·3	88·8	89·5	89·3	89·7	89·5	88·9	88·8	88·5	87·3	87·1	87·2	87·6	87·6	88·4
29	87·6	87·6	87·5	87·3	87·0	86·9	87·0	87·6	88·0	88·0	88·0	88·4	88·5	87·6	88·1	88·1	87·5	85·6	84·4	83·6	82·8	81·6	81·2	80·8	86·4
30	80·2	79·7	79·8	79·3	79·0	78·9	79·7	80·8	82·4	83·7	84·7	85·2	85·1	85·0	84·7	84·7	84·9	84·9	85·0	84·8	84·8	84·6	84·6	84·9	82·9
31	84·9	85·0	85·4	84·6	84·6	84·0	83·9	84·0	85·3	86·1	86·6	87·5	87·6	86·3	86·9	87·0	87·1	87·1	87·2	86·0	85·4	85·1	84·7	84·5	85·7
Mean	82·1	82·0	82·0	81·9	81·8	81·5	81·6	82·2	83·2	84·0	84·9	85·4	85·9	86·0	86·0	85·8	85·1	84·3	83·8	83·4	83·1	82·8	82·6	82·4	83·5
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 written 75·0

466. KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres NOVEMBER, 1935

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	83·9	83·8	83·7	83·7	84·1	85·9	86·6	87·2	87·5	86·2	86·7	86·5	85·5	85·5	85·3	84·3	82·7	82·1	81·1	81·1	81·0	80·2	81·2	84·2
2	81·7	82·9	83·7	83·8	85·0	86·1	86·1	86·5	85·8	85·9	86·9	87·0	87·0	87·4	87·6	87·2	86·8	86·5	86·4	86·5	85·5	85·5	85·2	85·2	85·7
3	84·9	84·3	84·3	84·0	83·9	84·1	84·6	84·7	85·9	87·3	88·7	89·2	89·3	89·6	89·3	88·8	88·5	88·5	88·2	87·7	87·8	87·9	87·1	85·7	86·8
4	85·0	85·0	84·6	84·5	83·9	83·3	83·5	83·6	84·1	84·3	85·0	86·0	86·2	86·1	85·7	84·8	84·0	83·6	83·6	83·2	83·6	83·1	82·7	82·2	84·3
5	81·4	81·0	80·3	79·6	79·2	79·7	79·6	79·6	79·6	80·1	80·9	81·3	82·6	83·4	83·6	83·4	83·0	82·7	82·7	83·0	82·9	81·8	81·4	80·3	81·4
6	79·7	79·0	78·6	78·2	77·3	76·6	76·6	77·0	78·3	79·4	82·0	82·4	83·1	82·7	81·7	81·6	80·7	79·7	79·0	78·5	77·8	77·8	77·6	77·4	79·3
7	77·5	76·6	76·7	76·7	76·9	76·9	78·1	78·6	79·7	80·6	81·5	81·6	80·9	80·3	80·2	80·0	80·0	79·8	79·7	79·6	79·5	79·4	79·3	79·2	79·1
8	78·5	77·9	77·4	76·8	76·2	76·2	75·9	75·9	76·4	77·4	80·6	81·2	81·4	80·7	81·3	80·3	79·8	80·5	80·4	80·9	80·7	80·3	80·2	80·3	79·0
9	80·2	80·2	80·6	80·0	80·5	81·0	81·8	82·3	82·2	82·2	82·4	83·0	83·2	83·5	82·9	82·1	81·1	80·0	79·9	80·6	81·8	82·9	82·8	82·8	81·6
10	83·0	83·1	82·7	82·7	83·0	82·7	83·2	83·3	83·4	84·0	82·7	82·7	83·4	83·7	83·0	82·6	81·4	81·7	81·0	81·0	80·4	81·1	80·3	79·6	82·4
11	79·6	78·5	78·4	77·9	77·2	76·2	75·9	76·0	76·7	77·4	78·4	80·8	82·2	82·4	82·7	81·8	81·0	81·4	81·5	81·5	81·9	82·6	82·8	82·7	79·8
12	82·9	82·2	82·2	82·2	81·7	80·9	80·3	79·7	80·1	80·7	81·3	81·3	82·2	82·4	81·6	79·0	78·4	78·3	78·3	78·5	78·4	77·5	78·0	77·4	80·3
13	78·0	78·7	78·7	78·5	78·4	78·2	78·1	77·7	78·2	79·0	79·5	81·0	81·2	81·2	81·5	80·7	79·7	79·3	78·9	79·0	79·0	78·1	77·4	77·5	79·1
14	78·2	78·0	78·1	78·5	78·8	79·0	80·0	81·3	82·5	83·5	83·8	84·1	84·2	83·9	83·9	83·8	84·1	84·3	84·5	84·4	84·5	84·5	84·2	84·0	82·2
15	84·3	84·3	84·1	83·9	83·9	83·5	82·6	82·5	83·2	83·9	83·5	83·1	83·0	83·7	83·1	82·3	80·8	80·7	80·5	80·7	80·8	80·1	78·8	78·6	82·4
16	78·7	79·3	79·0	78·9	79·8	79·4	79·5	79·4	80·3	80·7	81·0	82·0	81·7	80·2	80·2	79·8	79·2	80·0	80·4	81·0	81·0	81·0	81·0	81·0	80·1
17	81·4	81·9	81·9	82·0	81·9	81·7	81·7	81·9	82·3	82·4	82·3	82·3	82·2	81·4	80·6	80·0	80·0	80·7	80·5	80·4	80·4	80·5	80·5	80·5	81·3
18	80·6	80·6	80·7	80·3	80·4	80·3	80·4	80·4	80·8	81·2	81·4	81·7	82·4	82·5	82·4	82·2	81·8	81·5	81·6	81·7	81·9	81·6	81·5	81·4	81·3
19	80·9	80·2	79·9	78·9	78·6	77·4	76·1	75·7	76·9	77·8	81·5	82·7	83·3	82·9	82·6	82·2	82·0	81·9	81·4	81·1	80·9	81·0	81·1	81·0	80·3
20	80·9	80·8	80·7	80·9	81·1	81·3	81·5	81·8	82·4	82·6	82·5	82·5	82·6	82·8	82·8	82·8	83·0	83·0	83·2	83·2	83·4	83·6	83·8	82·6	82·3
21	81·7	81·3	80·9	80·3	79·7	78·6	78·2	78·8	79·5	79·7	80·0	80·5	80·6	80·8	80·9	80·9	80·9	81·0	80·9	80·6	81·2	81·1	81·1	80·7	80·5
22	80·8	80·6	80·3	80·2	80·1	80·3	79·7	79·6	80·1	80·2	80·5	80·7	81·1	81·3	81·4	81·3	81·3	81·1	80·7	80·6	80·7	80·0	79·6	78·7	80·5
23	79·2	79·4	78·9	78·8	78·7	78·3	78·0	77·6	78·0	78·2	78·4	77·9	80·2	79·9	80·1	79·4	78·5	77·9	77·1	76·6	76·3	75·5	75·4	75·2	78·1
24	74·8	75·1	74·9	74·8	74·2	73·8	74·3	74·1	74·7	75·5	77·6	78·7	79·1	79·4	79·1	78·1	77·4	76·8	76·6	76·5	76·1	74·9	74·0	73·5	76·0
25	73·1	72·7	72·4	72·2	71·9	71·7	71·5	72·3	72·3	73·9	75·3	75·9	77·2	77·2	77·2	76·5	75·5	74·8	74·5	74·0	73·9	73·6	72·7	72·8	74·0
26	73·0	73·6	72·6	73·1	74·9	75·1	76·3	77·2	78·1	79·7	80·8	81·8	82·1	82·0	81·9	81·5	80·7	80·7	81·0	80·2	80·1	79·9	80·0	79·5	78·4
27	79·5	79·6	78·8	78·2	77·5	76·6	76·5	75·6	76·3	77·7	79·6	80·9	81·0	81·2	80·5	79·8	79·2	78·9	78·3	79·0	79·5	79·7	79·7	80·3	78·9
28	80·2	80·6	81·4	82·5	83·0	83·0	83·5	83·7	84·0	84·6	84·6	84·7	85·0	85·9	85·6	84·9	84·7	84·3	83·8	83·4	83·0	82·6	82·4	82·1	83·4
29	81·4	81·3	80·6	80·2	79·8	78·8	78·2	78·9	79·0	79·9	80·1	81·9	82·4	82·8	82·3	81·7	81·3	81·7	80·8	81·3	81·2	81·2	80·5	80·4	80·8
30	80·0	79·5	79·2	79·6	79·2	79·1	79·7	80·1	80·7	80·8	81·5	81·4	81·5	81·6	81·4	81·2	81·0	81·4	81·7	81·8	82·9	82·7	82·4	82·1	80·9
Mean	80·2	80·1	79·9	79·7	79·7	79·5	79·6	79·7	80·3	80·9	81·7	82·2	82·6	82·6	82·4	81·9	81·3	81·2	81·0	80·9	80·9	80·7	80·5	80·2	80·8

467. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres DECEMBER, 1935

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	81·4	81·1	81·1	81·1	80·9	81·1	80·0	79·2	79·1	79·5	79·7	80·0	80·7	80·4	80·1	79·9	79·4	78·2	78·7	78·6	78·6	78·5	78·6	78·4	79·8
2	78·5	77·7	77·6	77·2	76·9	76·9	76·9	76·8	77·2	78·7	79·4	79·9	80·2	80·2	79·9	79·4	78·7	78·2	78·0	77·3	77·4	77·4	76·9	77·1	78·1
3	76·8	76·8	76·2	76·2	75·6	75·6	75·0	74·9	75·4	76·8	77·6	78·3	78·6	78·7	78·6	77·5	77·0	76·3	76·0	76·0	75·6	75·3	74·9	75·0	76·5
4	75·0	75·0	75·4	75·2	75·7	75·9	76·1	76·9	77·3	77·0	77·5	77·9	79·1	79·6	79·2	78·2	76·6	75·6	75·0	74·1	73·4	73·8	74·0	74·5	76·2
5	75·1	75·7	75·8	75·8	75·7	75·6	75·5	75·5	75·5	76·0	76·3	77·3	78·0	78·2	78·0	77·3	75·7	75·0	74·5	73·7	73·3	73·3	73·2	73·4	75·6
6	73·1	73·4	73·6	73·9	74·3	74·6	74·7	75·1	75·2	75·9	76·4	76·6	77·4	78·2	78·5	78·0	77·9	77·7	77·7	77·6	77·5	77·2	77·3	77·0	76·1
7	76·6	75·8	75·0	73·5	74·2	74·6	74·5	73·4	73·0	73·2	73·6	73·9	74·2	74·9	75·2	75·4	75·4	75·5	75·3	75·2	75·3	76·0	76·1	77·0	74·9
8	76·9	76·3	76·0	75·6	75·9	76·4	76·2	75·9	75·7	76·6	79·2	79·5	79·8	80·6	81·2	80·2	80·2	79·4	79·0	79·0	79·0	79·2	79·1	78·6	78·1
9	78·2	78·0	77·9	77·4	77·4	78·1	78·3	78·4	78·5	78·6	79·6	79·6	79·7	79·6	79·6	79·9	79·7	79·5	79·0	78·9	79·1	78·8	78·4	78·4	78·8
10	78·4	78·4	78·5	78·5	78·1	78·3	78·4	78·4	78·3	78·4	78·8	79·1	79·1	79·0	78·9	78·7	78·5	78·2	78·0	78·3	78·6	78·7	79·0	78·9	78·5
11	78·9	78·9	79·0	79·0	78·9	78·7	78·7	78·6	78·6	78·7	78·9	79·0	79·0	79·0	78·9	78·8	78·7	78·7	78·6	78·6	78·6	78·5	78·4	78·2	78·8
12	78·0	77·8	77·9	77·7	77·6	77·7	77·7	77·6	77·6	77·7	77·8	77·7	77·9	77·3	76·5	76·1	75·9	76·0	76·0	76·0	75·9	76·0	76·1	76·0	77·1
13	75·2	75·1	75·5	75·6	75·6	75·3	75·1	75·1	74·7	74·9	75·1	75·4	76·0	76·2	76·5	76·4	76·2	76·0	76·0	75·9	75·9	75·9	75·8	75·7	75·6
14	75·6	75·5	75·5	75·5	75·4	75·3	75·3	75·3	75·3	75·2	75·0	74·9	74·4	74·6	74·6	74·6	74·0	73·6	73·5	73·2	73·4	73·5	73·9	74·1	74·7
15	73·9	74·0	74·4	74·9	75·5	76·0	77·2	77·9	78·2	78·5	78·8	79·1	79·7	80·2	79·7	79·5	78·6	77·4	76·9	75·8	75·3	74·8	74·1	74·4	76·9
16	74·9	75·6	76·0	75·2	75·1	75·1	75·9	77·2	78·3	79·3	79·9	80·5	80·6	80·3	77·9	77·9	77·6	76·8	76·4	76·1	75·5	75·1	74·5	75·1	76·9
17	75·2	75·2	74·6	74·0	74·2	72·5	72·1	72·0	71·8	71·3	71·7	73·0	75·3	75·4	75·3	75·3	75·3	75·7	75·4	75·0	74·3	74·4	74·6	74·9	74·1
18	75·0	75·0	74·7	74·7	74·3	74·4	74·0	73·2	73·1	73·7	74·3	74·8	75·2	75·4	75·2	74·8	73·8	73·5	73·0	73·1	73·3	73·7	74·2	74·4	74·2
19	74·5	74·6	74·9	75·1	74·7	74·7	74·6	74·5	74·7	74·8	75·0	75·2	75·3	75·4	74·8	74·4	74·1	73·9	73·9	73·7	73·4	72·7	73·4	73·7	74·4
20	73·8	73·9	73·9	74·2	74·5	74·4	74·1	73·4	73·0	73·0	73·2	73·0	73·5	74·7	74·8	74·2	73·0	72·2	71·5	70·8	71·0	70·8	70·9	70·7	73·1
21	70·3	70·3	70·0	70·0	70·5	70·5	70·6	70·7	71·3	71·6	72·6	73·2	74·0	74·5	74·7	74·0	73·4	72·8	82·1	71·8	71·3	71·2	71·0	70·9	71·8
22	70·9	70·9	70·4	70·5	70·1	69·9	69·9	69·8	69·7	70·5	71·6	73·2	74·7	75·6	76·3	74·2	73·4	72·7	72·1	71·6	71·6	71·4	70·7	70·3	71·7
23	70·1	69·7	69·7	70·0	69·6	69·1	69·3	69·3	69·1	69·1	69·9	70·1	69·6	69·6	70·1	70·1	70·4	71·1	71·0	70·7	70·7	71·7	71·7	71·2	70·1
24	71·0	71·3	71·7	72·1	73·0	73·4	73·7	73·6	74·1	74·6	75·0	75·7	76·1	76·5	76·9	77·3	78·5	78·6	78·8	79·2	79·1	79·1	79·2	79·2	75·6
25	79·2	78·9	78·5	78·4	78·5	79·4	79·0	78·9	79·2	80·3	81·2	81·6	82·1	81·9	82·1	82·0	81·9	81·9	81·5	82·0	81·5	81·6	81·6	81·4	80·6
26	81·1	81·1	81·1	80·7	81·0	81·2	81·2	81·3	81·5	82·0	82·6	82·8	83·3	83·2	83·2	82·7	82·6	82·8	82·7	82·6	82·6	82·5	82·5	81·9	82·1
27	82·1	82·6	82·8	82·6	82·6	82·4	82·4	82·3	82·4	83·3	83·6	83·0	83·0	82·4	82·4	82·0	81·9	82·0	81·8	81·6	81·4	81·5	81·6	81·6	82·3
28	81·6	81·5	81·4	81·5	81·8	82·6	83·0	83·0	83·2	83·4	82·5	82·6	83·2	82·1	81·4	81·0	80·5	80·4	80·3	79·8	79·6	79·1	78·7	79·3	81·4
29	79·0	78·8	78·7	78·6	79·0	79·0	78·6	78·5	78·4	79·8	80·4	80·9	81·0	81·0	80·7	80·3	79·7	80·0	80·4	81·3	81·5	81·2	81·3	81·3	79·9
30	81·5	81·7	81·7	82·0	82·4	82·4	82·5	82·4	82·8	83·4	82·4	83·3	82·8	82·8	82·3	81·9	81·9	82·2	82·1	82·1	82·0	82·1	82·1	82·1	82·3
31	81·9	82·0	81·6	81·7	81·7	81·2	81·4	81·6	81·9	82·4	82·7	82·8	82·9	83·0	83·4	83·0	82·4	81·9	81·6	81·7	81·3	81·6	81·5	81·4	82·0
Mean	76·6	76·5	76·5	76·4	76·5	76·5	76·5	76·5	76·6	77·0	77·5	77·9	78·3	78·4	78·3	77·9	77·5	77·2	77·0	76·8	76·7	76·7	76·6	76·6	77·0
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: 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 1935

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
82·02	81·81	81·60	81·44	81·42	81·60	82·07	82·71	83·53	84·33	85·09	85·67	86·12	86·33	86·43	86·28	85·88	85·33	84·66	83·90	83·38	82·94	82·55	82·25	83·72

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 1935

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
	°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.	278·22	-0·60	-0·64	-0·66	-0·71	-0·60	-0·63	-0·70	-0·61	-0·37	-0·01	+0·50	+0·52	+1·21	+1·37	+1·37	+1·03	+0·57	+0·34	+0·08	-0·13	-0·19	-0·44	-0·52	-0·59
Feb.	279·53	-0·60	-0·67	-0·79	-0·95	-1·16	-1·21	-1·19	-1·19	-0·77	-0·05	+0·66	+1·19	+1·53	+1·57	+1·74	+1·61	+1·08	+0·50	+0·19	-0·01	-0·12	-0·28	-0·46	-0·57
Mar.	279·96	-1·72	-2·01	-2·22	-2·32	-2·45	-2·48	-2·36	-1·76	-0·86	+0·23	+1·23	+1·99	+2·51	+2·94	+3·09	+2·99	+2·62	+1·84	+0·99	+0·41	-0·04	-0·50	-0·85	-1·31
Apr.	281·53	-1·90	-2·04	-2·24	-2·19	-2·29	-2·12	-1·45	-0·59	+0·13	+0·99	+1·69	+2·10	+2·31	+2·54	+2·58	+2·57	+2·19	+1·60	+0·73	-0·01	-0·45	-0·95	-1·45	-1·70
May	283·88	-2·64	-2·89	-3·15	-3·42	-3·44	-2·95	-2·02	-0·97	+0·13	+1·06	+1·97	+2·71	+3·42	+3·49	+3·65	+3·60	+3·28	+2·64	+1·81	+0·45	-0·70	-1·53	-2·04	-2·40
June	289·30	-2·66	-2·91	-3·15	-3·28	-2·94	-2·27	-1·40	-0·49	+0·56	+1·31	+2·10	+2·52	+2·89	+2·97	+3·13	+3·11	+2·95	+2·31	+1·48	+0·21	-0·76	-1·44	-1·99	-2·35
July	292·02	-2·98	-3·45	-3·93	-4·43	-4·26	-3·49	-2·58	-1·35	0·00	+0·98	+1·93	+2·68	+3·28	+3·78	+4·10	+4·19	+3·95	+3·62	+2·60	+1·02	-0·26	-1·07	-1·87	-2·47
Aug.	290·81	-2·91	-3·37	-3·89	-4·12	-4·38	-3·76	-2·60	-1·28	-0·03	+1·06	+1·94	+2·74	+3·40	+3·85	+4·25	+4·26	+3·98	+3·32	+2·21	+0·68	-0·19	-0·92	-1·75	-2·50
Sept.	287·80	-1·85	-2·12	-2·32	-2·51	-2·62	-2·63	-1·82	-0·91	+0·12	+1·00	+1·62	+2·34	+2·67	+2·98	+3·15	+3·09	+2·66	+1·66	+0·65	-0·22	-0·72	-1·10	-1·44	-1·59
Oct.	283·49	-1·35	-1·43	-1·50	-1·59	-1·67	-1·95	-1·88	-1·29	-0·28	+0·56	+1·38	+1·95	+2·42	+2·50	+2·49	+2·25	+1·56	+0·82	+0·30	-0·15	-0·42	-0·71	-0·95	-1·14
Nov.	280·82	-0·69	-0·78	-0·97	-1·12	-1·16	-1·38	-1·26	-1·08	-0·54	+0·11	+0·86	+1·41	+1·81	+1·80	+1·61	+1·06	+0·54	+0·38	+0·17	+0·13	+0·15	-0·04	-0·32	-0·58
Dec.	277·04	-0·48	-0·51	-0·56	-0·65	-0·58	-0·52	-0·53	-0·57	-0·46	0·00	+0·45	+0·83	+1·23	+1·36	+1·21	+0·86	+0·48	+0·19	-0·04	-0·21	-0·35	-0·37	-0·41	-0·38
Year	283·72	-1·70	-1·90	-2·11	-2·27	-2·30	-2·12	-1·65	-1·01	-0·20	+0·60	+1·36	+1·94	+2·39	+2·60	+2·70	+2·55	+2·15	+1·60	+0·93	+0·18	-0·34	-0·78	-1·17	-1·47

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 1935

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	85·2	81·9	82·6	77·6	81·3	75·9	84·3	78·0	82·6	78·0	92·1	83·8	98·4	88·2	94·0	82·9	94·7	87·7	87·4	81·7	87·5	80·0	82·1	78·0
2	85·3	83·2	87·5	78·9	81·9	75·8	81·6	75·9	89·6	75·9	92·2	84·1	95·0	88·9	85·4	83·0	92·9	86·4	86·8	78·9	87·6	81·2	80·6	76·5
3	84·1	81·4	84·3	78·1	81·1	77·8	79·8	74·5	91·3	81·4	89·6	83·4	96·0	88·5	94·9	83·6	94·1	85·1	85·6	80·5	89·6	83·9	78·7	74·7
4	82·2	79·6	83·9	79·9	82·6	74·8	80·2	74·0	90·9	82·6	89·8	83·5	97·1	88·8	96·8	83·6	92·1	85·3	88·2	83·2	86·7	82·2	79·6	73·4
5	80·1	74·8	82·7	76·9	83·6	72·8	80·7	73·3	94·0	80·9	91·0	82·6	95·6	89·1	99·2	84·8	92·6	84·6	87·7	82·7	83·6	79·0	78·2	73·1
6	78·3	74·1	79·2	75·6	81·7	77·3	83·7	73·9	96·2	82·8	89·7	83·4	94·7	86·7	00·2	86·9	91·4	83·1	86·6	79·4	83·2	76·5	78·5	73·1
7	76·3	74·4	77·3	73·2	81·8	76·1	86·1	78·8	90·5	82·1	90·6	85·5	95·6	83·6	01·5	87·5	90·0	90·4	87·7	77·5	81·6	76·5	77·0	72·9
8	76·2	73·3	75·4	72·5	76·4	73·0	84·4	78·8	86·9	81·9	90·4	82·8	94·6	84·3	02·1	88·2	92·4	81·9	85·4	80·6	81·4	75·4	81·3	75·1
9	75·1	70·0	75·6	71·8	74·7	72·0	87·0	80·0	87·8	80·7	93·0	78·4	99·3	86·7	95·0	86·6	90·5	84·0	87·9	81·1	83·7	79·4	79·9	77·2
10	79·7	74·4	80·1	73·8	77·1	73·1	87·1	82·2	90·1	80·5	93·1	85·4	00·7	86·4	99·5	84·9	91·2	81·8	88·3	82·1	84·0	79·6	79·2	77·8
11	80·8	75·7	82·8	77·6	77·5	75·0	87·0	77·7	91·6	80·4	90·1	83·4	98·7	89·2	99·9	86·6	93·1	81·5	87·6	79·8	82·9	75·5	79·1	78·2
12	77·2	74·0	82·5	79·2	83·3	73·6	84·7	76·4	85·1	79·0	91·2	83·4	99·9	89·4	95·7	86·0	94·7	84·6	87·1	76·7	83·0	77·3	78·2	75·6
13	79·2	73·1	83·7	79·3	82·3	74·3	84·4	74·2	84·1	77·0	92·1	84·5	02·0	89·5	92·9	84·3	93·2	86·1	87·1	77·6	81·6	77·0	76·6	74·6
14	84·6	79·2	84·0	78·8	77·9	74·9	84·9	77·9	82·1	77·1	91·9	83·5	02·5	89·0	93·0	81·4	93·7	85·8	88·3	83·0	84·6	77·5	75·7	72·9
15	83·2	79·3	85·9	76·8	83·3	76·5	87·0	76·0	85·3	77·4	90·7	82·4	00·7	88·1	93·6	87·3	90·9	85·5	88·6	84·7	84·4	78·3	80·3	73·8
16	82·2	75·9	85·7	81·7	86·1	76·5	84·0	79·1	81·3	74·8	90·4	83·4	99·0	90·2	94·6	85·6	90·4	84·4	89·8	85·4	82·3	78·4	80·9	74·2
17	80·8	78·5	83·8	78·8	85·4	79·9	85·2	77·8	84·2	72·0	91·6	83·7	95·3	87·2	96·1	84·9	90·4	85·3	85·5	82·5	82·4	79·8	75·9	71·1
18	79·7	78·3	83·4	79·0	86·1	77·5	86·5	80·1	83·6	75·7	92·7	84·4	92·5	85·9	95·0	87·7	89·2	84·4	87·6	83·3	82·5	80·0	75·5	72·9
19	79·2	77·2	83·1	81·0	87·8	74·4	87·5	81·5	83·1	74·1	93·0	85·5	93·2	84·6	98·0	86·5	94·1	86·8	85·8	80·9	83·3	74·9	75·5	72·7
20	79·3	77·3	84·4	81·8	90·3	77·6	87·5	80·9	86·8	80·9	90·1	87·5	93·5	85·9	00·3	88·3	94·0	85·0	82·4	75·0	83·9	80·7	75·0	70·7
21	79·4	77·0	83·2	79·1	90·1	76·4	87·4	80·9	86·1	78·9	98·3	88·0	92·9	83·9	01·2	87·5	93·6	83·0	81·6	71·0	82·6	78·2	75·0	69·9
22	81·7	76·5	82·3	74·5	85·8	81·5	87·2	79·2	84·9	78·7	01·6	86·5	96·0	87·6	01·8	88·0	91·0	83·7	81·7	76·5	81·4	78·7	75·7	69·3
23	80·9	75·8	80·3	73·7	84·8	79·8	89·3	76·9	90·8	79·2	00·5	90·5	99·0	87·4	93·8	87·5	89·7	80·6	84·1	74·5	80·2	75·2	71·8	68·9
24	81·7	76·0	80·9	73·6	88·5	81·4	85·3	78·0	92·3	83·6	01·8	91·2	99·6	86·6	91·1	87·2	88·7	81·4	83·6	79·7	79·4	73·5	79·3	70·9
25	83·1	74·2	80·1	76·3	86·0	79·2	82·9	77·4	93·1	81·7	00·7	91·4	98·2	87·7	95·0	85·1	87·9	79·8	83·9	75·4	77·3	71·3	82·2	78·4
26	78·4	73·5	79·5	73·9	87·2	77·4	85·0	80·1	91·3	80·7	96·4	89·6	96·6	87·6	96·9	87·9	88·6	76·8	85·3	72·7	82·2	72·3	83·5	80·6
27	76·3	73·0	81·4	74·6	86·5	78·0	82·7	79·6	88·3	80·7	94·2	87·6	97·7	86·9	91·1	83·5	94·1	85·9	88·8	84·9	81·2	75·5	83·7	81·3
28	76·1	71·2	81·9	77·6	87·9	76·9	83·7	79·5	92·2	83·2	98·7	84·5	97·6	90·4	91·1	79·9	94·1	87·3	89·7	87·0	85·9	80·1	83·5	78·7
29	76·9	70·8	-	-	84·0	78·1	89·3	79·8	93·0	82·6	99·7	36·6	93·8	87·9	90·9	81·7	88·4	83·2	88·5	80·8	82·8	78·2	81·5	78·2
30	78·8	73·8	-	-	81·5	77·6	88·9	79·1	93·8	82·8	98·5	88·7	94·4	83·9	90·5	84·4	87·5	82·1	85·6	78·9	83·5	79·0	83·5	81·2
31	80·9	77·8	-	-	86·7	79·1	-	-	85·6	82·3	-	-	95·3	82·4	90·4	88·1	-	-	88·0	83·7	-	-	83·5	81·2
Mean	80·1	76·0	82·1	77·0	83·6	76·6	85·2	78·1	88·3	79·7	93·9	85·3	96·9	87·2	95·9	85·5	91·7	83·8	86·6	80·1	83·2	77·8	79·1	75·1
																					Year		87·2	80·2

Note.- The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0.
† See page 23.

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, 1935

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	89	84	84	84	88	88	92	92	95	92	95	91	87	87	94	92	91	90	89	94	94	95	95	90·3	11·5
2	96	98	94	93	97	99	97	98	98	96	91	87	87	86	85	85	86	87	88	91	92	93	92	92	92·0	12·4
3	92	90	89	90	90	92	92	88	86	86	83	85	87	87	85	86	86	83	86	86	86	88	84	88	87·4	11·0
4	86	87	89	89	79	76	72	72	73	71	66	68	66	66	66	68	70	74	73	73	74	70	76	52	73·9	7·9
5	67	63	78	71	68	76	72	77	73	67	66	62	60	61	62	62	68	71	73	78	82	82	79	82	70·2	6·0
6	80	78	78	82	80	80	82	848	85	81	82	79	76	76	75	76	79	82	82	84	83	78	85	89	80·5	6·2
7	86	87	91	87	87	89	87	87	84	84	80	82	85	83	83	88	86	85	90	91	88	89	87	89	86·5	6·3
8	93	89	91	93	94	93	93	91	91	91	91	86	85	86	82	80	79	80	80	82	82	87	87	94	87·4	6·3
9	96	94	96	98	100	100	100	100	100	100	98	94	92	89	81	92	92	91	92	91	93	91	93	94	94·5	5·8
10	93	95	94	94	93	93	91	93	90	90	89	87	81	84	84	87	89	91	92	94	93	97	97	95	91·0	7·4
11	97	98	100	98	96	94	94	93	94	91	85	82	80	80	80	81	83	90	97	93	87	80	84	82	89·4	8·0
12	78	78	76	79	80	78	75	85	85	74	69	69	69	67	70	73	76	80	80	82	82	87	85	89	77·6	5·8
13	90	92	92	94	94	94	98	98	94	94	87	85	82	77	83	87	86	87	90	95	97	97	98	97	91·0	6·8
14	91	92	89	86	84	79	79	78	76	74	73	72	70	70	72	73	78	80	82	83	84	84	86	87	80·3	9·8
15	87	87	91	89	91	91	94	90	91	91	90	91	82	80	76	80	81	81	86	88	88	91	88	93	87·3	9·4
16	90	88	90	91	88	88	86	87	86	85	83	81	78	81	77	79	88	93	93	96	96	97	95	91	87·5	8·7
17	91	91	91	90	90	96	94	87	81	77	83	80	79	79	76	76	78	81	80	77	80	82	82	86	83·7	8·2
18	90	90	84	84	84	85	83	79	76	75	71	70	69	74	72	72	72	76	78	83	82	79	79	75	78·6	7·3
19	77	78	76	74	75	75	72	72	73	77	76	78	78	78	81	89	83	82	82	84	84	85	87	84	79·0	7·1
20	84	79	81	81	76	77	79	79	82	81	80	83	80	82	79	79	81	81	87	84	84	85	84	88	81·4	7·3
21	90	91	91	89	96	93	91	88	85	87	88	91	90	86	83	79	81	79	78	81	82	82	82	82	86·2	7·8
22	89	84	84	87	81	89	91	83	79	76	72	71	71	68	73	75	79	82	82	86	83	85	87	93	81·0	7·6
23	96	93	96	97	93	92	92	88	82	76	79	79	77	74	69	76	77	85	81	89	90	92	93	94	85·8	7·5
24	97	95	100	97	100	97	98	97	96	97	93	90	88	84	86	89	89	90	90	88	88	87	91	89	92·5	8·8
25	88	86	86	84	80	82	92	88	93	73	77	70	81	75	65	66	84	77	77	73	75	96	84	78	80·6	8·0
26	76	77	77	66	51	56	58	60	63	78	56	57	54	51	59	73	80	75	61	62	74	85	80	92	67·3	5·4
27	87	82	82	83	79	79	81	80	76	78	77	74	68	71	71	70	78	77	80	87	82	77	85	81	78·7	5·4
28	78	75	75	75	77	78	82	84	83	82	81	77	62	57	54	68	85	89	89	90	94	96	96	96	79·8	5·0
29	98	98	98	98	98	98	98	98	98	98	94	90	72	55	55	57	64	64	68	72	80	90	89	92	84·3	5·5
30	94	96	94	96	96	98	98	98	93	96	96	89	90	85	84	83	86	90	90	92	92	89	90	94	92·0	7·0
31	96	94	94	91	90	86	87	83	78	75	62	65	61	66	60	62	71	72	69	73	73	74	75	75	76·7	7·3
Mean	88·5	87·5	88·1	87·4	86·2	86·8	87·0	86·4	85·0	83·7	81·0	79·6	77·1	75·6	74·7	77·6	80·9	82·1	82·8	84·4	85·3	86·7	86·9	87·4	83·7	†7·6
Vapour Pressure*	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·4	mb. 7·3	mb. 7·4	mb. 7·4	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·4	mb. 7·5	mb. 7·4	mb. 7·4	mb. 7·3	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·4	mb. ‡7·4	

472. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres. FEBRUARY, 1935.

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	75	75	79	78	72	78	73	77	79	71	71	73	72	83	83	83	81	79	79	78	78	78	81	80	77·2	7·8
2	77	77	75	76	76	81	81	82	84	84	79	75	63	53	51	51	53	56	58	64	66	64	70	68	69·6	8·6
3	70	77	74	74	77	78	84	82	82	80	79	83	80	78	78	80	85	81	82	83	85	87	89	89	80·3	8·8
4	87	93	87	84	83	81	84	93	93	96	84	73	70	68	72	72	74	82	86	87	86	87	87	87	83·2	9·6
5	79	77	78	79	77	81	84	84	80	75	67	60	60	58	52	56	67	72	76	73	76	76	84	88	73·3	7·2
6	91	91	94	93	88	87	89	89	87	84	81	75	74	70	67	71	52	50	55	49	51	54	52	51	73·5	6·1
7	47	52	58	65	62	66	70	64	68	60	55	50	52	47	48	57	68	79	81	81	72	80	83	80	63·7	4·6
8	87	87	87	78	90	81	79	77	68	61	63	62	63	64	57	55	56	58	62	64	63	65	73	72	69·8	4·6
9	72	73	76	77	77	78	78	78	75	63	63	60	59	58	57	62	64	66	70	73	73	72	75	74	69·7	4·5
10	78	79	80	81	84	84	85	85	86	89	84	83	76	72	75	72	75	81	80	84	86	83	86	86	81·2	6·3
11	80	80	81	83	87	83	86	85	86	84	79	73	71	70	63	63	71	72	79	85	86	84	84	81	79·1	7·7
12	81	81	79	81	77	79	80	80	82	81	82	80	79	80	83	83	88	89	89	89	90	92	90	93	83·4	8·8
13	93	93	90	91	91	90	88	88	91	95	92	92	91	95	95	95	95	92	92	88	92	94	88	84	91·7	10·3
14	79	80	80	82	81	81	78	81	73	65	56	50	44	43	45	44	46	52	61	67	72	72	79	81	66·4	7·4
15	82	89	90	92	92	93	93	94	90	91	89	91	88	91	92	89	84	84	77	76	78	78	79	78	86·7	9·5
16	77	78	79	79	76	74	73	71	67	71	72	73	75	72	74	80	80	79	72	60	62	64	58	53	72·2	9·9
17	57	58	66	68	71	71	74	76	71	68	70	64	60	62	61	61	65	69	74	72	80	81	86	88	69·0	7·3
18	89	85	82	78	73	70	69	69	68	72	73	70	66	66	66	68	75	79	81	83	83	83	83	83	75·7	8·3
19	84	83	83	86	85	85	86	86	86	84	79	79	79	78	79	80	82	86	86	83	83	84	86	88	83·2	9·6
20	86	86	88	88	86	84	82	86	80	82	80	76	75	83	89	92	92	91	91	94	94	94	89	86	86·5	10·6
21	87	88	83	83	78	77	75	69	69	67	58	56	56	50	50	58	67	72	73	78	78	84	84	87	71·9	7·9
22	87	86	88	87	91	93	93	94	86	86	80	78	80	80	71	62	56	62	70	78	77	82	84	84	80·7	7·5
23	86	86	84	89	87	89	85	82	73	69	65	56	59	60	62	64	65	69	69	71	71	74	77	80	73·9	6·1
24	82	82	83	85	87	87	87	92	88	75	67	78	76	80	80	82	82	87	76	77	90	85	84	86	82·3	7·2
25	89	84	85	83	86	87	90	89	96	87	86	86	87	81	80	84	85	89	86	82	79	77	78	76	84·9	7·5
26	70	77	79	77	82	83	83	81	77	73	63	58	47	46	47	46	60	63	71	75	69	76	73	73	68·7	5·2
27	69	71	66	62	65	67	65	89	91	91	95	94	94	94	90	85	84	84	93	96	91	93	94	93	83·7	7·3
28	96	96	98	94	96	95	95	94	93	90	86	86	77	79	73	76	80	85	90	88	89	92	97	96	89·2	8·6
Mean	79·9	80·9	81·1	81·2	81·3	81·5	81·7	82·7	81·0	78·4	74·9	72·6	70·5	70·0	69·3	70·4	72·6	75·3	77·1	77·9	78·6	79·8	81·2	80·9	77·5	†7·7
Vapour Pressure*	mb. 7·4	mb. 7·5	mb. 7·4	mb. 7·4	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·5	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·5	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·5	mb. ‡7·5	
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

473. KEW OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres — MARCH, 1935

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	96	94	96	93	95	90	90	92	82	78	74	70	67	65	70	71	76	78	76	80	83	86	84	82·3	7·4
2	86	90	92	93	97	93	95	91	88	84	82	75	74	78	72	73	78	78	84	87	87	90	91	94	85·3	8·0
3	95	94	94	95	94	96	95	95	91	90	85	85	85	85	86	85	91	91	91	93	90	91	89	82	90·6	8·5
4	81	84	85	90	87	87	85	91	87	75	62	57	57	53	49	48	51	62	72	83	87	84	87	90	74·6	6·6
5	95	96	96	96	94	92	91	91	87	81	70	62	44	49	55	73	81	80	82	82	86	88	87	86	81·1	7·2
6	86	84	84	86	87	89	90	90	94	91	82	73	71	71	69	68	65	74	72	76	72	74	74	70	79·2	7·6
7	78	79	72	74	74	74	80	73	76	70	65	55	50	49	49	55	59	70	73	78	82	84	87	91	70·3	6·7
8	90	91	89	87	84	84	82	77	65	60	62	61	58	57	67	63	63	60	64	70	74	73	62	60	71·6	5·2
9	55	56	58	57	60	59	61	61	61	58	53	52	53	53	53	55	55	59	59	56	56	58	58	61	56·9	3·6
10	63	64	65	65	64	65	64	67	73	60	64	64	65	64	64	63	63	60	60	65	65	61	64	64	64·0	4·4
11	65	65	66	69	74	74	69	70	67	67	65	63	58	57	57	58	62	63	66	69	70	70	75	77	66·2	5·1
12	78	83	85	84	85	87	82	78	67	67	46	33	26	28	24	27	29	38	49	61	70	75	83	85	61·1	5·3
13	85	91	90	88	93	93	88	85	83	82	74	63	57	51	52	48	58	66	72	71	74	82	87	87	75·8	6·4
14	93	91	89	89	91	93	91	91	91	84	82	82	81	84	84	84	86	86	86	82	81	79	82	82	86·1	6·9
15	77	75	75	77	72	70	72	75	73	71	66	62	57	56	54	52	48	69	77	80	81	83	84	89	70·5	6·6
16	88	90	88	85	84	82	81	80	76	69	66	67	64	60	60	68	73	76	84	87	87	87	87	89	78·3	8·3
17	91	89	91	91	90	93	90	89	87	89	82	79	72	74	77	76	69	76	73	76	82	84	86	87	83·1	9·9
18	91	90	91	92	94	96	94	97	94	89	82	76	74	73	72	68	66	70	75	78	80	84	88	91	83·5	9·2
19	92	95	98	95	94	96	98	96	86	78	69	62	58	51	50	51	56	62	64	83	81	87	87	91	78·3	8·7
20	93	96	97	96	97	97	97	96	89	80	73	57	54	49	47	41	41	53	68	74	80	84	84	89	76·4	9·6
21	91	93	93	96	97	97	95	96	83	66	65	57	56	55	51	48	51	59	68	73	73	75	75	71	74·7	9·7
22	77	80	80	81	81	83	83	76	72	72	74	76	79	78	73	68	66	76	83	86	79	82	82	83	77·7	9·5
23	81	84	83	84	86	84	85	82	76	67	61	79	86	84	91	89	89	92	91	82	81	81	82	83	82·6	9·7
24	83	84	86	86	88	91	91	80	60	57	55	52	52	49	47	43	54	58	70	75	76	79	84	87	70·2	9·7
25	90	90	90	92	91	87	87	82	76	71	72	69	65	62	61	60	64	65	71	73	77	79	83	86	76·8	9·7
26	88	90	90	90	93	90	90	94	90	87	82	77	77	71	65	64	63	67	78	83	83	86	89	91	82·3	9·5
27	88	94	93	93	97	97	93	94	84	66	60	56	53	48	50	49	49	50	57	65	70	82	87	93	73·6	8·5
28	91	95	97	94	92	96	96	92	92	83	79	65	57	57	50	48	51	53	63	65	65	72	76	75	75·5	8·7
29	79	82	83	84	82	83	83	81	73	66	57	59	59	62	64	67	69	67	77	71	72	69	65	72	71·9	7·9
30	75	74	75	71	72	73	71	75	77	78	67	66	65	66	66	69	71	71	77	82	85	85	88	85	74·0	7·3
31	87	87	83	80	81	76	72	75	74	72	70	65	60	59	63	61	64	63	68	70	74	76	73	78	72·3	8·5
Mean	84·1	85·5	85·5	85·7	86·1	86·2	85·2	84·2	80·1	74·6	69·4	65·3	62·5	61·3	60·9	61·0	63·1	67·4	72·6	75·9	77·4	79·6	81·0	82·4	75·7	†7·7
Vapour Pressure*	mb. 7·4	mb. 7·4	mb. 7·3	mb. 7·3	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·4	mb. 7·5	mb. 7·6	mb. 7·5	mb. 7·5	mb. 7·4	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·6	mb. 7·7	mb. 7·8	mb. 7·8	mb. 7·7	mb. 7·7	mb. 7·7	mb. 7·6	mb. ‡7·5	

474. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — APRIL, 1935

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	Vapour Pressure*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	80	86	83	81	83	70	66	67	58	54	51	48	46	43	43	47	47	49	52	57	59	68	78	80	62·3	7·2
2	74	73	67	67	67	67	65	64	61	53	46	56	46	49	59	67	67	55	66	67	64	70	76	71	63·4	5·6
3	70	69	69	69	73	71	74	69	66	63	57	53	69	78	65	69	71	68	70	73	74	74	79	77	69·4	5·5
4	77	77	75	77	73	74	73	77	79	78	69	74	71	84	87	87	85	75	77	75	78	81	74	75	77·2	5·9
5	74	72	72	74	73	75	71	68	63	59	49	56	62	53	60	56	53	74	84	84	85	75	78	79	68·6	5·5
6	79	75	75	78	83	83	74	66	65	59	54	50	42	40	39	47	46	48	59	59	69	79	84	93	64·1	6·0
7	94	90	88	93	88	87	80	79	76	72	56	62	54	54	76	86	88	88	93	94	93	89	89	92	81·7	9·0
8	94	93	86	75	84	84	81	75	71	67	72	65	90	75	78	73	77	77	82	80	76	89	94	93	80·4	9·0
9	96	96	97	96	90	90	87	84	89	90	88	81	81	81	78	86	91	93	93	91	90	89	93	91	89·3	12·1
10	93	91	90	82	80	83	90	91	88	88	69	68	65	62	63	65	69	68	72	73	74	80	83	78	78·0	11·0
11	78	76	76	75	75	74	72	70	74	74	76	61	46	44	41	45	47	44	43	58	62	68	77	80	64·0	8·1
12	85	82	87	82	75	74	69	67	65	65	63	58	56	56	49	53	54	56	61	69	73	79	86	87	68·7	7·1
13	93	92	95	93	98	100	96	92	73	66	59	54	53	54	60	63	66	67	69	85	90	91	88	94	78·7	7·7
14	94	94	97	96	91	94	94	90	86	85	70	70	65	59	76	72	66	71	74	79	86	91	94	97	82·9	8·7
15	93	97	95	97	98	98	95	97	91	87	75	67	65	58	63	61	74	73	67	65	77	86	92	94	82·3	8·8
16	92	92	92	95	96	95	92	87	74	64	54	68	65	65	45	51	65	60	67	77	76	79	84	82	76·0	8·6
17	86	88	90	90	90	90	84	78	88	69	58	54	51	41	41	42	41	62	73	82	86	86	87	87	72·5	7·7
18	84	77	77	74	79	76	70	66	58	56	54	48	51	47	66	80	92	87	86	89	89	88	88	90	73·8	8·9
19	92	92	88	89	87	84	83	76	68	66	68	61	73	83	77	75	70	70	74	79	82	83	86	84	78·9	10·5
20	84	86	82	84	86	84	78	71	60	61	76	75	80	82	72	69	66	78	81	83	79	84	85	83	77·9	10·2
21	82	76	77	82	79	75	73	68	59	61	62	63	61	62	60	61	59	64	70	75	81	84	86	87	71·0	9·3
22	88	88	90	93	94	92	88	82	75	71	77	65	63	67	66	63	59	57	61	72	78	86	90	94	77·3	9·7
23	94	94	97	91	94	92	91	80	73	70	57	53	57	54	54	47	46	55	63	67	65	68	73	77	71·7	9·2
24	73	82	88	88	90	88	86	83	79	80	77	80	77	74	68	58	57	56	63	71	74	74	74	76	75·7	8·6
25	78	76	74	81	80	80	81	76	79	73	70	73	69	80	91	92	92	88	87	87	87	86	87	88	81·2	8·4
26	89	88	88	88	86	86	87	84	82	80	76	72	72	70	70	68	67	71	76	82	81	79	80	84	79·5	9·3
27	82	82	80	83	80	81	84	79	78	77	76	83	78	75	75	76	75	72	73	70	73	79	80	84	78·1	8·4
28	84	83	86	80	81	78	80	76	74	75	71	71	70	68	66	67	65	69	69	74	72	73	81	83	74·9	8·3
29	87	88	89	87	88	89	84	75	76	75	74	70	73	65	64	56	56	68	69	75	82	87	89	91	77·2	10·3
30	94	93	94	94	99	99	93	92	84	77	75	73	70	65	53	58	56	69	76	83	84	81	81	84	80·4	10·1
Mean	85·4	84·9	84·8	84·5	84·7	83·8	81·4	77·6	73·7	70·5	66·0	64·4	64·0	62·9	63·5	64·7	65·6	67·7	71·7	76·2	78·0	80·9	83·9	85·2	75·2	†8·5
Vapour Pressure*	mb. 8·3	mb. 8·2	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·2	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·2	mb. 8·3	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·5	mb. 8·4	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 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, 1935

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	81	85	83	85	91	93	88	88	89	85	81	84	82	82	78	79	79	62	60	61	64	67	66	72	78·8	8·4
2	74	78	82	88	90	83	73	60	61	55	53	50	48	46	47	46	47	53	56	56	57	61	64	74	62·5	8·0
3	70	70	61	53	61	71	59	47	40	34	32	29	24	22	18	32	38	40	44	54	61	63	67	70	48·4	7·3
4	71	71	73	73	74	73	71	65	61	52	45	41	44	46	45	49	56	57	72	77	83	89	91	92	65·0	10·1
5	94	93	95	95	96	95	91	85	71	63	64	55	50	51	48	50	47	52	59	67	81	85	87	90	73·5	12·5
6	93	94	95	96	94	87	75	60	48	34	32	29	30	31	31	31	34	38	49	46	49	61	71	75	57·9	11·2
7	72	65	65	70	78	82	80	65	66	60	53	46	43	44	49	50	58	63	69	66	71	74	70	70	63·7	9·5
8	72	69	67	71	66	65	70	67	66	68	67	63	60	60	59	64	63	63	68	70	72	70	73	73	66·9	8·6
9	73	72	74	74	75	77	74	83	81	70	54	48	43	37	35	39	29	23	37	48	55	58	66	72	58·3	7·4
10	76	75	73	76	75	72	64	56	50	49	41	39	37	32	30	28	27	32	37	48	53	78	78	79	54·3	7·7
11	81	78	78	82	79	76	73	68	61	56	48	36	39	40	37	35	37	36	47	57	72	77	75	77	60·3	8·6
12	78	77	74	72	72	62	60	56	55	53	55	49	44	45	49	47	48	45	48	57	57	62	69	70	58·5	6·8
13	72	75	75	78	79	74	68	57	55	52	49	51	43	42	46	44	48	45	47	65	71	76	77	76	60·9	6·3
14	78	79	77	78	71	86	90	86	81	72	72	64	61	60	52	52	58	60	60	59	76	73	68	68	70·2	6·4
15	79	82	82	80	87	89	81	67	59	54	57	66	47	42	38	35	36	40	41	63	74	67	72	76	62·9	6·9
16	69	72	72	77	75	74	75	68	59	56	53	53	51	44	43	47	57	60	53	62	74	78	84	88	64·1	6·0
17	85	85	90	91	94	87	79	68	46	40	44	41	43	41	49	54	46	46	44	53	54	62	59	65	61·5	5·7
18	65	69	73	74	70	67	59	56	54	46	40	37	45	58	50	58	51	67	70	81	80	85	85	93	63·3	6·1
19	91	96	93	94	95	93	86	73	70	61	58	73	85	86	87	89	87	88	89	86	88	84	88	89	84·6	8·4
20	93	94	94	94	96	91	89	80	79	82	73	78	81	81	87	92	93	93	93	93	95	95	94	92	88·7	10·5
21	92	92	92	93	93	86	80	74	70	58	52	54	52	49	49	50	49	52	53	59	65	67	68	67	67·9	8·2
22	70	71	72	71	69	68	63	61	59	56	53	51	49	50	48	49	49	53	55	56	57	60	64	71	59·3	6·7
23	74	77	79	81	79	79	75	72	63	58	53	50	45	43	44	45	47	51	54	58	62	66	68	70	62·3	8·9
24	70	70	71	72	71	70	68	61	58	52	49	46	45	43	42	42	43	47	50	58	70	75	77	77	59·3	9·7
25	76	82	82	82	84	84	87	88	87	84	76	69	56	49	43	43	43	44	45	59	72	76	78	78	69·4	10·8
26	82	81	76	76	78	76	72	69	67	61	60	60	54	53	51	53	53	55	59	65	76	82	84	83	67·6	9·6
27	86	86	88	86	86	85	84	84	79	76	75	75	70	81	82	88	83	81	78	81	82	84	83	88	82·0	11·3
28	91	89	91	92	89	87	89	88	84	87	90	88	77	80	81	64	72	61	61	66	71	77	62	64	79·7	13·2
29	63	67	76	82	83	82	79	79	78	72	72	68	65	63	63	59	57	57	59	70	77	78	83	85	71·1	11·6
30	86	87	86	86	87	87	86	83	80	77	68	63	57	53	48	52	60	63	55	52	56	64	56	64	69·5	11·2
31	72	80	84	87	89	89	88	89	86	86	84	83	79	79	79	82	83	81	85	87	88	89	89	90	84·0	11·2
Mean	78·4	79·4	79·8	80·9	81·4	80·3	76·6	71·1	66·5	61·6	58·2	56·1	53·2	52·7	51·9	53·2	54·1	55·1	57·9	63·9	69·8	73·6	74·7	77·4	67·0	†8·9
Vapour Pressure*	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·4	mb. 8·4	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·8	mb. 8·8	mb. 8·6	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·5	mb. 8·6	mb. ‡8·6	

476. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — JUNE, 1935

Day	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	21	21	22	23	24	Mean	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	89	87	89	90	90	93	88	87	85	82	71	71	66	57	58	62	69	72	77	82	83	90	88	79·7	12·3
2	90	91	93	93	93	96	92	92	87	77	66	63	69	68	63	52	55	63	67	70	76	85	85	87	78·1	13·0
3	90	91	91	92	87	84	77	70	68	60	74	86	68	70	80	65	63	65	59	67	80	85	89	88	77·0	11·7
4	89	92	94	93	92	93	89	82	75	72	69	69	65	71	69	66	64	67	68	74	82	81	83	87	78·6	12·0
5	89	90	92	91	90	90	94	95	94	88	82	80	69	66	62	61	69	68	77	82	87	90	91	91	82·7	12·5
6	92	92	90	87	89	88	82	74	67	65	59	58	63	77	80	94	89	94	94	93	93	96	95	94	83·5	12·8
7	94	94	96	94	93	93	89	86	86	86	80	68	60	54	55	58	58	61	68	71	71	71	74	77	76·9	12·6
8	80	81	86	86	83	81	71	64	62	50	45	46	54	43	47	56	57	52	48	53	60	57	69	76	62·8	10·1
9	83	83	96	96	91	80	76	66	58	54	50	51	50	47	47	47	50	52	64	63	63	70	71	74	66·0	10·5
10	78	80	90	95	95	96	96	93	90	88	83	72	73	76	74	71	67	70	75	81	86	88	89	90	82·8	14·5
11	89	91	90	86	87	85	80	78	69	77	64	57	59	55	56	56	71	82	83	80	79	81	83	87	76·1	11·9
12	87	85	84	85	88	83	76	71	74	86	85	80	76	67	64	61	60	63	64	74	67	87	89	90	76·9	12·3
13	95	97	96	95	95	91	93	84	74	64	58	59	52	54	48	47	52	55	60	68	73	80	86	90	73·6	12·5
14	91	94	93	93	90	89	83	80	70	63	59	59	55	63	73	77	82	88	87	87	89	92	93	94	80·9	13·4
15	95	95	95	94	96	91	73	81	70	81	77	81	77	70	74	61	66	68	80	87	89	91	91	89	82·3	12·7
16	91	87	92	90	90	89	83	74	62	58	57	74	69	73	56	56	55	61	57	69	77	80	84	83	73·7	11·4
17	83	82	87	83	85	83	80	81	69	68	66	59	58	59	49	53	59	64	71	77	83	87	92	95	73·6	11·8
18	96	95	97	95	94	95	88	84	84	85	82	76	76	69	64	61	59	68	76	76	81	84	84	88	81·3	14·4
19	88	88	89	90	93	90	90	89	85	82	81	77	69	64	64	68	73	87	88	90	90	90	91	92	83·5	14·5
20	92	91	89	92	91	92	92	89	88	85	84	86	87	87	86	86	88	88	88	89	90	90	91	91	88·9	15·8
21	90	90	91	91	89	88	88	85	84	80	74	74	74	72	72	70	69	64	65	74	84	90	91	94	80·9	17·8
22	92	96	96	95	92	89	84	77	65	60	58	57	52	58	62	61	61	63	69	74	79	82	84	87	74·8	19·5
23	87	88	91	90	87	84	79	74	69	65	54	47	36	44	43	41	39	46	54	59	64	[illegible]	71	70	64·9	18·0
24	74	74	81	82	80	76	74	71	66	61	54	43	44	46	43	43	42	47	53	64	67	71	74	78	62·6	18·4
25	80	83	83	85	86	80	76	70	62	60	57	58	78	91	92	91	81	87	92	92	92	93	93	93	81·1	20·2
26	93	90	90	90	90	83	77	75	67	67	64	62	62	61	61	58	56	54	62	66	73	79	82	78	72·8	16·5
27	79	79	79	79	77	75	81	80	78	74	71	69	73	69	69	67	64	65	66	71	74	79	83	77	74·1	15·3
28	79	82	85	88	85	80	80	71	64	65	64	59	58	57	52	52	49	53	51	56	74	83	89	89	69·1	14·5
29	89	96	93	93	92	86	82	60	55	56	53	48	45	44	41	45	47	49	54	61	67	75	75	77	66·2	15·8
30	78	81	84	84	81	77	70	63	56	54	49	45	42	42	44	45	43	48	52	56	62	57	63	67	60·3	14·8
Mean	87·3	88·2	90·0	89·9	89·0	86·6	82·9	78·2	72·8	70·9	66·7	64·5	62·8	62·8	61·6	60·9	61·7	65·4	68·8	73·4	77·8	81·4	83·8	85·3	75·5	†14·1
Vapour Pressure*	mb. 13·6	mb. 13·5	mb. 13·6	mb. 13·4	mb. 13·6	mb. 13·8	mb. 14·0	mb. 14·0	mb. 14·0	mb. 14·3	mb. 14·1	mb. 14·0	mb. 14·0	mb. 14·0	mb. 13·9	mb. 13·8	mb. 13·8	mb. 14·1	mb. 14·1	mb. 13·8	mb. 13·8	mb. 13·8	mb. 13·7	mb. 13·7	mb. ‡13·9	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	21	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, 1935

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	67	70	75	81	81	79	76	73	70	63	58	59	56	52	47	52	57	62	67	77	86	90	91	87	69·4	16·6
2	84	88	97	95	94	94	89	85	80	76	70	62	55	59	59	62	67	60	69	74	82	84	84	86	77·3	16·8
3	72	75	77	80	80	81	79	77	70	66	68	64	67	65	60	60	58	60	56	60	67	69	73	77	69·4	14·8
4	78	79	81	84	85	83	82	79	78	74	72	68	69	66	63	62	64	65	72	75	79	81	82	84	75·1	17·2
5	84	86	88	89	85	82	75	75	70	65	66	66	63	61	60	62	64	68	72	74	79	79	77	74	73·7	16·1
6	75	76	77	76	78	73	65	60	59	53	55	52	51	47	45	46	43	44	46	54	58	64	66	70	59·8	11·9
7	74	77	79	87	83	78	78	76	72	61	57	55	52	49	48	51	54	55	56	60	72	70	81	82	66·7	13·3
8	77	83	91	86	91	78	76	65	60	60	55	52	48	48	46	38	51	54	56	63	69	74	77	85	65·9	12·7
9	87	88	91	91	91	86	80	70	60	53	53	51	50	46	47	46	46	49	49	51	54	60	68	73	64·4	15·1
10	81	81	87	90	90	82	79	73	67	58	55	51	48	46	43	46	46	45	56	66	73	76	80	81	66·5	16·4
11	84	86	88	91	89	82	80	76	71	66	62	60	61	65	75	56	54	60	76	72	66	82	84	84	73·7	18·6
12	82	79	85	91	84	80	78	74	71	68	67	67	58	49	48	46	43	40	39	63	63	68	72	77	66·5	16·6
13	82	88	93	89	90	85	81	74	66	58	54	44	40	39	38	41	44	46	53	60	51	59	64	74	63·1	17·7
14	76	76	81	83	81	78	73	69	62	47	44	43	42	31	26	27	30	37	38	31	30	42	52	58	52·7	14·9
15	61	60	67	75	86	84	76	71	68	60	56	48	44	45	45	47	44	43	57	60	66	70	71	70	61·2	15·9
16	74	78	82	84	66	68	58	52	46	42	36	35	35	34	36	31	32	33	27	34	44	57	68	75	51·0	12·5
17	80	81	83	85	84	81	79	77	75	70	66	57	49	51	49	47	50	54	52	50	55	58	64	71	65·4	13·7
18	75	82	86	87	86	83	79	78	70	60	60	65	73	68	54	67	83	71	72	67	71	84	84	88	74·3	13·3
19	94	94	94	95	94	91	86	77	70	57	58	56	58	60	64	70	78	73	79	79	80	80	87	85	77·5	13·8
20	84	92	92	93	92	92	87	82	79	72	70	66	67	62	58	75	79	58	48	54	61	65	67	73	73·9	14·0
21	73	78	77	80	82	75	70	60	53	50	44	41	45	38	40	42	48	52	53	59	62	64	65	70	59·3	10·6
22	76	80	81	82	84	80	76	75	67	65	67	62	64	64	61	60	62	65	63	75	80	81	83	84	72·2	15·5
23	86	88	91	92	93	92	86	79	73	68	65	59	57	57	56	55	54	57	60	75	83	86	85	88	74·3	17·8
24	90	94	93	94	96	93	88	83	66	58	53	49	48	45	48	53	55	59	56	61	67	67	71	77	69·5	16·8
25	82	81	84	84	84	80	76	71	69	61	49	46	48	45	41	42	36	42	56	59	63	58	76	63	62·6	14·3
26	69	75	63	66	69	66	63	60	56	55	48	50	45	42	41	40	43	48	53	57	62	80	83	84	58·6	12·6
27	82	88	88	86	86	80	76	73	68	69	65	64	60	58	54	54	55	61	69	70	75	78	82	83	71·9	15·9
28	83	84	84	87	91	91	86	80	74	66	63	58	49	47	45	47	48	48	53	42	52	56	61	65	65·4	15·6
29	72	70	70	70	66	65	59	58	55	51	48	46	45	43	41	41	44	44	44	52	54	58	55	57	54·7	11·2
30	63	68	72	74	76	75	74	71	63	57	50	43	36	35	31	28	29	27	28	37	45	60	57	69	52·6	9·8
31	77	79	78	79	83	79	67	46	34	40	43	45	41	39	36	37	35	37	44	65	72	81	83	86	58·3	10·7
Mean	78·2	80·8	83·1	84·7	84·5	81·2	76·7	71·6	65·9	60·3	57·3	54·3	52·4	50·2	48·6	49·4	51·5	52·2	55·5	60·5	65·2	70·4	74·0	76·8	66·0	†14·6
Vapour Pressure*	mb. 14·3	mb. 14·4	mb. 14·3	mb. 14·1	mb. 14·3	mb. 14·4	mb. 14·4	mb. 14·5	mb. 14·5	mb. 14·1	mb. 14·2	mb. 14·1	mb. 14·1	mb. 13·9	mb. 13·7	mb. 14·0	mb. 14·4	mb. 14·3	mb. 14·3	mb. 14·1	mb. 14·1	mb. 14·4	mb. 14·4	mb. 14·4	mb. ‡14·2	

478. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres AUGUST, 1935

Day	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	87	90	93	92	83	77	70	68	66	55	49	54	47	36	40	46	52	52	56	60	67	72	81	66·0	11·8
2	88	91	92	92	92	85	76	56	38	46	46	46	43	40	40	38	39	50	54	60	66	74	80	90	63·2	11·8
3	94	91	90	90	90	91	88	86	86	83	82	72	68	68	58	54	51	64	68	71	77	82	88	90	78·4	13·8
4	91	94	92	94	94	94	87	85	78	74	70	61	54	58	57	54	60	64	63	73	77	78	86	88	76·1	14·8
5	93	91	91	95	95	93	85	75	67	62	56	54	46	45	48	44	47	61	55	74	61	72	80	86	69·9	15·6
6	91	87	93	90	94	89	88	81	72	59	53	50	45	40	43	44	41	43	48	60	64	67	80	81	66·9	16·7
7	81	84	86	88	91	86	79	73	66	60	53	48	44	42	44	49	42	53	56	63	70	74	82	82	66·5	17·2
8	87	90	89	92	97	92	82	70	64	63	58	52	38	41	40	42	39	39	45	52	58	66	72	76	64·5	17·4
9	80	80	76	76	80	84	82	79	76	71	71	68	69	66	62	57	53	54	59	72	76	72	70	74	71·2	15·7
10	81	81	87	88	88	86	87	68	62	55	52	47	45	43	37	37	40	42	45	53	59	60	67	72	61·8	13·9
11	76	80	84	83	87	82	76	72	69	60	56	52	45	38	39	36	31	31	47	59	67	68	70	73	61·7	14·2
12	77	82	87	88	89	91	84	79	74	66	60	59	51	48	51	64	72	76	78	75	75	86	88	84	74·1	14·5
13	83	81	80	79	81	81	76	71	64	59	54	45	41	34	32	32	35	38	40	50	58	74	66	70	59·6	10·5
14	70	73	79	83	86	81	76	68	61	60	57	51	52	52	53	54	53	55	62	74	70	64	66	68	65·4	11·5
15	66	68	73	74	75	72	68	66	63	57	50	49	46	43	42	43	48	49	62	68	68	70	63	71	60·5	12·0
16	75	77	82	86	86	84	79	76	71	65	63	69	66	71	60	56	61	64	70	70	74	76	78	79	72·2	14·4
17	85	85	85	89	91	91	86	79	75	72	62	58	56	54	49	47	52	55	57	66	68	67	70	73	69·8	14·5
18	71	87	89	90	88	88	85	83	72	64	56	56	55	57	56	56	59	65	71	76	83	80	84	87	73·0	15·4
19	86	87	88	91	90	88	85	92	89	82	76	65	58	51	51	46	49	50	59	55	71	77	80	85	73·0	15·7
20	84	85	86	84	86	84	82	78	72	63	56	53	47	46	44	46	44	52	56	64	65	72	81	81	67·2	16·4
21	76	75	83	85	87	90	77	67	59	57	49	42	38	38	37	40	43	44	51	62	73	68	67	70	61·8	16·1
22	75	82	85	89	88	87	70	60	57	58	51	43	44	40	41	44	47	49	57	69	73	72	77	79	63·8	16·9
23	85	82	87	78	87	91	94	96	92	92	88	93	94	84	78	80	87	85	85	88	91	92	94	92	87·8	17·1
24	93	93	94	94	94	94	95	95	94	94	95	95	95	92	90	91	90	91	92	92	93	93	94	96	93·2	17·2
25	96	96	96	96	96	97	96	92	85	81	74	64	59	66	62	63	62	64	76	83	84	90	90	91	81·7	15·8
26	93	95	93	96	96	97	96	93	94	91	91	85	80	74	66	61	61	62	69	78	82	84	86	88	83·8	17·3
27	88	88	89	91	92	92	88	78	72	71	62	60	54	52	52	47	49	46	59	68	74	75	78	82	71·3	12·7
28	86	91	90	96	91	93	83	79	68	64	61	59	48	52	53	45	58	61	67	70	80	80	84	88	72·8	10·7
29	89	92	93	93	91	91	86	77	70	60	53	51	52	56	51	47	44	55	62	69	68	73	76	76	70·0	10·7
30	76	77	79	80	81	81	78	73	70	69	75	69	64	80	91	95	96	93	96	97	94	92	91	90	82·5	13·3
31	94	94	91	87	94	95	90	84	76	69	71	70	67	68	73	72	72	77	80	84	84	84	84	84	81·1	16·7
Mean	83·8	85·4	87·1	88·1	89·3	88·2	83·3	77·5	71·7	67·5	63·1	59·2	55·4	54·4	52·8	52·4	53·9	57·5	62·6	69·4	73·0	75·8	78·8	81·5	71·3	†14·6
Vapour Pressure*	mb. 14·1	mb. 14·0	mb. 13·8	mb. 13·8	mb. 13·7	mb. 14·1	mb. 14·5	mb. 14·5	mb. 14·6	mb. 14·7	mb. 14·5	mb. 14·3	mb. 14·0	mb. 14·1	mb. 14·0	mb. 13·9	mb. 14·1	mb. 14·5	mb. 14·7	mb. 14·8	mb. 14·8	mb. 14·6	mb. 14·5	mb. 14·3	mb. ‡14·3	
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 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, 1935

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	87	89	91	91	90	88	80	77	79	85	81	74	72	75	71	78	81	87	90	91	92	93	95	84·0	17·3
2	93	87	88	89	93	90	87	86	85	77	71	84	69	66	62	70	75	72	72	81	84	88	91	93	81·4	15·2
3	93	94	93	96	96	94	90	83	75	73	72	61	55	52	51	52	50	66	73	81	82	90	90	90	77·2	14·3
4	93	93	96	95	94	95	95	94	92	89	79	67	58	61	57	61	62	69	76	77	77	82	85	87	80·6	13·9
5	88	89	90	91	91	91	93	88	87	77	74	69	72	53	55	50	49	58	77	94	94	94	94	91	79·5	13·4
6	89	92	90	94	94	94	90	87	76	68	60	56	55	51	51	49	49	55	61	74	82	71	70	71	72·5	11·7
7	82	81	92	93	96	94	83	76	74	64	58	53	48	45	45	44	43	50	58	59	69	73	73	73	67·7	10·3
8	75	83	87	83	84	84	79	72	65	63	64	57	52	51	54	52	55	62	72	77	75	75	77	75	69·7	11·0
9	78	85	84	85	89	88	86	79	70	60	61	57	63	61	65	67	69	74	75	81	70	67	69	76	73·3	12·0
10	78	81	81	81	83	87	87	75	64	60	55	52	52	46	47	49	53	60	62	67	69	71	72	73	66·9	10·6
11	80	85	85	92	92	92	83	81	78	63	58	56	53	55	53	54	53	60	69	74	77	74	75	69	71·4	11·9
12	71	74	79	84	85	91	86	80	71	70	70	70	65	67	71	70	74	73	80	83	89	92	93	89	77·8	14·3
13	89	87	85	86	87	88	90	90	68	63	55	55	56	59	55	61	61	67	75	81	86	88	93	94	75·7	14·3
14	91	90	90	90	91	94	88	81	78	80	67	61	58	70	60	58	64	74	77	81	84	85	87	86	78·3	14·5
15	90	93	94	94	95	94	88	86	83	88	88	91	75	79	75	68	64	67	66	73	75	78	80	82	82·0	14·0
16	82	85	87	83	82	84	82	72	66	62	59	58	61	63	58	59	72	76	71	81	86	90	89	74	74·4	12·2
17	68	68	74	76	80	74	71	73	74	60	65	60	63	56	52	52	53	57	65	70	71	74	77	79	67·0	11·2
18	80	85	86	84	82	81	78	75	68	62	61	56	56	62	68	60	62	72	71	76	78	80	80	86	72·7	11·5
19	85	92	93	92	91	92	91	89	87	76	62	60	55	52	53	54	58	62	68	70	71	77	81	81	74·8	14·7
20	79	81	81	85	87	90	91	91	92	89	88	85	78	75	78	78	70	72	77	83	88	91	90	91	83·5	16·1
21	100	97	96	96	98	95	96	85	79	77	78	81	82	79	80	78	75	81	86	90	93	94	95	95	87·7	15·5
22	96	97	98	98	98	97	95	95	91	89	88	83	77	67	65	60	68	69	73	72	81	86	86	89	84·2	15·0
23	87	87	83	87	91	91	93	87	78	71	63	53	52	56	52	53	53	64	59	75	82	87	88	88	74·2	10·3
24	88	88	86	87	89	91	92	92	94	87	81	90	92	91	92	95	93	93	94	96	90	89	88	74	90·0	13·1
25	73	72	72	73	72	73	75	71	64	60	50	50	48	50	48	50	58	60	69	74	83	87	94	88	67·0	9·3
26	88	94	90	94	92	93	90	90	87	80	67	63	62	61	67	69	72	72	75	83	89	89	88	89	81·0	10·5
27	94	94	94	96	96	96	94	92	92	90	88	81	77	70	67	70	81	84	88	91	92	91	93	94	87·6	16·7
28	95	96	96	95	96	96	97	96	95	92	89	83	77	73	71	69	75	79	86	88	88	89	92	93	87·8	17·5
29	94	94	94	93	94	94	87	91	94	94	93	87	92	88	72	65	73	78	80	85	89	88	85	80	87·1	13·2
30	86	93	95	96	96	90	91	93	85	67	67	65	66	86	76	64	73	69	76	79	79	80	82	83	80·7	11·7
Mean	85·6	87·5	88·3	89·3	90·2	90·1	87·9	84·3	79·6	74·0	70·5	67·5	64·8	63·9	62·5	61·7	64·5	69·2	73·9	79·5	82·1	83·7	85·0	84·3	77·9	†13·2
Vapour Pressure*	mb. 12·9	mb. 12·9	mb. 12·9	mb. 12·8	mb. 12·9	mb. 12·8	mb. 13·2	mb. 13·4	mb. 13·5	mb. 13·3	mb. 13·2	mb. 13·2	mb. 12·9	mb. 13·0	mb. 12·8	mb. 12·6	mb. 12·8	mb. 12·9	mb. 12·9	mb. 13·1	mb. 13·1	mb. 13·0	mb. 12·9	mb. 12·7	mb. ‡13·0	

480. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres — OCTOBER, 1935

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	86	86	86	86	86	84	81	74	69	66	65	72	75	71	73	72	80	78	78	77	77	80	82	77·9	10·4
2	88	89	91	90	91	94	93	91	84	82	75	69	73	73	74	77	87	90	91	95	97	91	91	89	85·9	10·8
3	92	94	94	80	92	93	88	88	74	79	75	73	78	76	80	80	83	87	89	94	92	91	94	95	85·7	10·9
4	95	94	93	94	97	95	96	91	87	80	89	80	86	84	85	78	81	82	87	89	91	90	91	92	88·7	12·8
5	94	93	93	94	93	94	96	94	89	87	82	80	74	76	76	81	83	89	88	89	92	93	94	98	88·3	12·1
6	94	96	99	98	98	99	98	96	99	95	91	84	81	81	77	72	74	83	93	98	96	98	98	98	91·5	10·8
7	96	100	97	97	98	98	97	99	96	94	88	72	71	66	70	73	75	80	85	86	87	93	94	94	87·8	10·1
8	96	98	96	95	94	94	93	87	86	89	92	94	93	89	80	80	75	82	84	84	88	87	87	85	88·9	10·8
9	87	87	88	88	91	92	91	89	84	80	76	74	73	79	83	87	93	94	94	94	90	88	91	93	86·7	12·2
10	92	93	96	97	96	85	91	89	85	67	62	55	50	49	48	51	55	63	72	75	74	79	80	81	74·6	11·0
11	81	83	81	84	86	88	89	84	75	73	66	62	60	63	64	62	75	74	76	86	84	89	89	93	77·5	9·8
12	93	94	96	97	97	93	97	96	86	72	70	65	63	62	60	62	68	79	87	91	91	93	94	94	83·3	9·4
13	93	94	96	99	94	97	93	94	89	83	76	70	70	71	66	72	78	79	83	87	91	91	89	86	85·2	10·3
14	88	90	88	87	92	93	94	94	93	90	87	88	84	83	83	84	86	93	94	96	97	96	95	96	90·3	13·3
15	98	97	98	98	97	97	96	96	91	85	86	80	82	77	80	81	84	85	86	86	88	89	90	90	89·2	14·1
16	88	88	89	91	93	91	90	91	90	90	86	86	83	83	83	84	86	89	90	90	91	91	92	87	88·5	14·5
17	81	86	86	89	78	84	87	89	86	75	65	66	68	63	65	71	76	76	80	75	79	84	85	87	78·4	11·5
18	89	90	90	88	75	69	75	77	67	65	62	62	64	62	71	76	82	85	82	76	76	74	76	76	75·7	10·8
19	79	80	83	89	93	76	65	64	58	57	57	44	44	43	49	48	45	55	59	61	63	65	67	72	63·3	8·3
20	70	70	70	73	73	79	76	75	61	60	54	52	53	52	46	45	49	55	60	62	63	69	63	68	62·5	6·3
21	78	81	84	90	92	92	92	89	81	73	52	45	46	43	46	50	62	70	71	74	68	63	79	82	70·7	5·7
22	86	87	90	86	85	83	83	80	79	76	74	73	72	72	77	69	70	73	74	79	89	89	92	93	80·3	7·7
23	93	96	96	94	93	90	89	87	79	66	64	60	53	51	48	53	60	72	66	63	62	64	68	73	72·9	7·0
24	79	84	84	84	84	87	90	89	87	79	68	58	60	50	51	54	56	64	79	76	72	71	71	72	72·9	7·8
25	73	71	75	78	79	76	79	83	73	65	60	58	53	53	49	51	63	64	72	75	79	87	88	91	70·3	7·1
26	91	93	96	96	94	96	96	96	96	93	89	88	81	76	74	80	83	87	88	92	94	92	94	93	89·9	8·4
27	91	91	88	85	82	85	85	85	80	83	82	75	73	69	76	80	84	84	84	80	80	81	80	77	82·0	13·2
28	76	78	76	78	78	78	77	73	75	75	77	82	75	77	73	75	80	80	81	94	97	96	91	89	80·3	14·1
29	88	87	85	85	86	86	87	85	82	82	75	72	75	86	81	76	54	55	54	54	62	68	65	69	75·4	11·6
30	74	76	73	76	81	86	80	79	74	70	68	70	71	72	76	76	75	77	73	78	76	80	80	76	75·6	9·2
31	75	76	79	92	94	94	90	89	85	80	75	72	74	94	91	90	88	88	87	83	76	82	85	76	84·0	12·3
Mean	86·5	87·8	88·3	89·0	89·1	88·7	88·3	87·1	82·1	77·9	73·8	70·1	69·5	69·4	69·5	70·7	73·6	77·9	80·2	81·9	82·6	83·9	84·9	85·5	80·8	†10·5
Vapour Pressure*	mb. 10·0	mb. 10·1	mb. 10·1	mb. 10·1	mb. 10·1	mb. 9·9	mb. 9·9	mb. 10·1	mb. 10·2	mb. 10·2	mb. 10·3	mb. 10·1	mb. 10·4	mb. 10·4	mb. 10·4	mb. 10·4	mb. 10·4	mb. 10·5	mb. 10·4	mb. 10·3	mb. 10·2	mb. 10·2	mb. 10·1	mb. 10·1	mb. ‡10·2	
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 colour. ‡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, 1935

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

482. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres DECEMBER, 1935

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	69	74	78	81	82	70	75	76	83	78	72	67	61	61	65	63	66	75	61	65	67	68	68	71	70·6	7·0
2	70	74	71	73	73	72	72	75	76	67	66	65	61	62	63	66	68	74	75	79	74	73	77	74	70·8	6·2
3	78	78	83	83	87	87	91	91	91	85	81	74	73	74	75	82	85	88	85	81	82	84	86	82	82·6	6·5
4	82	84	84	87	80	85	85	80	84	87	82	79	65	57	59	61	75	82	84	83	92	87	85	80	79·6	6·1
5	80	84	84	84	85	82	82	77	75	73	75	70	66	65	66	70	82	84	80	92	94	93	95	94	80·2	5·9
6	96	94	92	92	94	93	93	93	93	91	93	93	90	89	85	84	86	89	89	89	90	90	93	88	90·9	6·9
7	92	93	96	98	98	98	93	96	98	100	98	98	98	96	98	96	96	96	98	96	93	91	93	93	95·8	6·7
8	93	95	93	96	93	92	90	90	94	90	82	81	83	80	75	83	82	88	87	84	85	84	84	85	87·2	7·7
9	84	86	86	92	92	89	87	86	85	86	80	83	81	81	83	79	78	80	84	78	76	76	77	72	82·8	7·6
10	72	74	72	72	75	72	66	62	60	63	60	59	59	59	62	66	70	75	80	78	77	80	76	78	69·3	6·3
11	81	87	87	87	87	90	88	89	89	86	83	81	82	81	79	79	79	77	80	82	80	80	80	78	83·0	7·7
12	76	78	75	76	78	78	78	79	81	81	81	79	78	76	72	73	71	69	74	74	76	76	74	76	76·3	6·2
13	80	82	80	75	70	65	71	69	75	75	73	74	69	70	72	75	80	81	79	80	80	82	84	85	75·9	5·6
14	85	87	89	87	87	87	85	79	70	61	60	60	63	65	65	63	63	65	68	69	70	70	72	75	72·9	5·0
15	87	92	93	93	94	96	97	97	95	93	94	94	91	79	81	83	85	79	80	75	82	84	87	85	88·0	7·1
16	82	82	83	89	85	85	79	71	69	68	65	61	64	68	81	82	82	85	88	90	91	96	98	96	80·6	6·5
17	96	96	94	94	94	96	95	97	100	100	97	96	85	87	89	85	85	84	87	87	91	91	91	91	92·1	6·1
18	89	87	88	88	89	91	90	96	94	90	89	88	85	84	85	85	90	90	92	93	94	90	85	83	89·1	5·9
19	85	85	84	87	88	85	87	89	93	95	93	91	89	89	90	87	89	90	89	90	91	90	91	90	88·9	6·0
20	89	87	90	89	87	89	92	92	92	92	96	100	100	90	88	89	92	93	95	100	100	100	100	100	93·2	5·7
21	100	100	100	100	100	100	100	100	98	96	92	92	91	90	80	84	86	88	90	92	92	93	93	93	93·9	5·2
22	92	92	92	92	93	93	94	95	95	95	95	93	69	70	77	82	85	86	88	92	93	93	96	96	89·5	4·9
23	95	95	95	97	98	100	100	100	100	100	96	100	99	99	99	99	99	100	100	99	99	99	98	98	98·5	4·7
24	98	98	96	88	85	85	87	90	94	94	94	94	96	97	97	97	99	99	99	97	97	99	99	99	94·9	7·0
25	99	99	99	99	99	100	100	99	99	98	93	91	88	88	88	88	91	89	89	83	84	84	86	88	92·7	9·7
26	91	92	92	96	93	93	94	96	96	97	98	98	92	91	83	88	88	84	84	86	86	86	87	87	90·8	10·5
27	88	86	87	91	89	89	88	91	91	83	83	92	92	89	86	87	89	88	88	89	91	89	89	92	88·5	10·4
28	92	94	96	96	96	95	94	94	90	92	94	92	94	92	91	89	86	88	88	88	91	93	93	90	92·0	10·1
29	94	94	94	93	94	94	96	96	96	91	88	85	82	85	86	85	90	88	90	84	87	87	88	88	89·8	8·9
30	89	91	93	93	92	91	89	88	87	78	82	76	86	80	84	88	89	91	92	91	92	91	91	91	88·1	10·3
31	88	83	79	87	87	85	88	93	95	93	94	95	92	92	89	87	89	89	91	91	91	89	91	91	89·5	10·3
Mean	86·8	87·8	87·9	88·9	88·5	88·0	87·9	87·9	88·3	86·4	84·8	83·9	81·4	80·2	80·4	81·5	83·7	85·0	85·6	85·7	86·7	86·7	87·3	86·7	85·7	†7·1
Vapour Pressure*	mb. 6·9	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. 7·0	mb. 7·1	mb. 7·3	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·9	mb. 6·9	mb. 6·9	mb. 6·9	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 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 1935

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.	% 84·5	% 85·4	% 86·1	% 86·6	% 86·7	% 86·0	% 84·1	% 81·5	% 77·9	% 74·3	% 70·8	% 68·3	% 66·0	% 65·1	% 64·5	% 65·4	% 67·4	% 69·9	% 72·9	% 76·2	% 78·5	% 80·7	% 82·3	% 83·4	% 76·9
Vapour Pressure in Millibars.*	mb 9·7	mb 9·7	mb 9·6	mb 9·6	mb 9·6	mb 9·6	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 9·9	mb 10·0	mb 10·0	mb 10·0	mb 10·0	mb 9·9	mb 9·9	mb 9·9	mb 9·8	mb 9·7	mb 9·8

* 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†

484. KEW OBSERVATORY: North Wall Screen: h_t = 3·0 metres 1935

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	83·7	+4·5	+3·7	+4·2	+3·6	+2·3	+3·0	+3·2	+2·6	+1·3	0·0	-2·8	-4·1	-6·6	-8·0	-9·0	-6·1	-2·7	-1·5	-0·8	+0·9	+1·7	+3·2	+3·4	+3·9
February	77·5	+2·7	+3·7	+3·9	+3·9	+4·0	+4·2	+4·4	+5·4	+3·6	+0·9	-2·6	-4·9	-7·1	-7·5	-8·3	-7·3	-5·1	-2·4	-0·6	+0·1	+0·8	+2·0	+3·3	+3·0
March	75·7	+8·1	+9·6	+9·6	+9·8	+10·2	+10·3	+9·3	+8·4	+4·3	-1·2	-6·4	-10·5	-13·2	-14·4	-14·8	-14·6	-12·5	-8·1	-2·9	+0·3	+1·9	+4·1	+5·6	+6·9
April	75·2	+10·3	+9·8	+9·6	+9·3	+9·5	+8·6	+6·2	+2·4	-1·5	-4·7	-9·3	-10·8	-11·2	-12·4	-11·8	-10·6	-9·7	-7·6	-3·6	+0·9	+2·7	+5·5	+8·5	+9·8
May	67·0	+11·5	+12·5	+12·9	+14·0	+14·5	+13·4	+9·7	+4·1	-0·4	-5·4	-8·8	-10·9	-13·8	-14·3	-15·1	-13·9	-12·9	-11·9	-9·1	-3·2	+2·7	+6·6	+7·6	+10·3
June	75·5	+11·4	+12·4	+14·2	+14·1	+13·3	+10·8	+7·2	+2·5	-2·8	-4·7	-8·9	-11·1	-12·7	-12·7	-13·9	-14·5	-13·7	-10·0	-6·5	-1·9	+2·5	+6·2	+8·8	+10·1
July	66·0	+12·4	+15·0	+17·3	+18·9	+18·7	+15·3	+10·8	+5·7	-0·1	-5·7	-8·7	-11·7	-13·7	-15·9	-17·5	-16·7	-14·7	-14·0	-10·8	-5·7	-1·1	+4·1	+7·7	+10·4
August	71·3	+12·5	+14·0	+15·7	+16·7	+18·0	+16·8	+11·9	+6·1	+0·4	-3·8	-8·2	-12·1	-15·9	-16·9	-18·5	-18·9	-17·4	-13·8	-8·7	-1·9	+1·7	+4·5	+7·5	+10·2
September	77·9	+7·7	+9·5	+10·3	+11·4	+12·2	+12·2	+9·9	+6·4	+1·7	-3·9	-7·4	-10·4	-13·1	-14·0	-15·4	-16·2	-13·4	-8·7	-4·0	+1·6	+4·2	+5·8	+7·1	+6·4
October	80·8	+5·6	+6·9	+7·5	+8·1	+8·3	+7·9	+7·5	+6·3	+1·3	-2·9	-6·9	-10·6	-11·2	-11·4	-11·3	-10·1	-7·1	-2·8	-0·5	+1·3	+2·0	+3·2	+4·3	+4·8
November	86·1	+2·6	+2·6	+3·1	+3·3	+3·4	+4·7	+4·1	+3·7	+2·3	+0·7	-1·1	-3·2	-7·0	-7·6	-7·3	-4·2	-2·0	-1·4	+0·2	+0·6	+0·1	+0·5	+0·6	+1·2
December	85·7	+1·4	+2·4	+2·4	+3·4	+3·0	+2·4	+2·3	+2·3	+2·7	+0·7	-0·9	-1·8	-4·3	-5·6	-5·4	-4·4	-2·2	-0·9	-0·3	-0·3	+0·7	+0·7	+1·3	+0·7
Year	76·9	+7·6	+8·5	+9·2	+9·7	+9·8	+9·1	+7·2	+4·7	+1·1	-2·5	-6·0	-8·5	-10·8	-11·7	-12·4	-11·5	-9·5	-6·9	-4·0	-0·6	+1·7	+3·9	+5·5	+0·5

† 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 1935

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 21·4	mm 23·9	mm 42·6	mm 34·4	mm 37·2	mm 29·9	mm 31·8	mm 25·0	mm 23·3	mm 24·1	mm 31·3	mm 20·3	mm 27·2	mm 33·4	mm 29·1	mm 26·5	mm 34·4	mm 32·5	mm 20·7	mm 26·4	mm 17·6	mm 18·9	mm 20·9	mm 19·1	mm 651·9
Duration	hr 20·5	hr 24·3	hr 21·1	hr 20·8	hr 24·7	hr 22·4	hr 19·3	hr 19·8	hr 19·6	hr 14·7	hr 15·1	hr 16·2	hr 19·8	hr 17·4	hr 16·9	hr 17·0	hr 19·9	hr 20·6	hr 15·5	hr 14·3	hr 15·6	hr 15·6	hr 14·7	hr 17·7	hr 443·5

NOTES ON RAINFALL

486. KEW OBSERVATORY 1935

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" July 21st - August 11th
"Partial drought" July 20th - August 22nd
"Dry Spell" March 4th - 22nd

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 1935

Rainfall Duration.

Hours	0·1-1·0	1·1-2·0	2·1-6·0	6·1-12	12
Number of days	60	38	69	9	>1

Continuous Falls.
The fall of the longest duration was 25 mm in 9h 30mm on Nov.7th.

Heavy Falls in Short Periods.
On July 2nd. 5mm fell in 4 minutes and 10 mm in 13 minutes

Rate of Rainfall (Jardi Recorder).
The highest instantaneous rate of rainfall recorded by this instrument was 129 mm/hr on June 16th.

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, 1935

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	·3	·2	·2	·2	...	...	...	...	...	·3	·2	·1	...	...	...	...	·4	·1	2·1	4·7	2
2	·1	·5	...	...	·3	·2	·1	·1	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	1·5	4·0	1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·5	4
7	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·2	0·5	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	·1	...	...	...	...	...	...	·1	...	...	...	...	2·9†	2·3	...	...	...	...	...	5·4	1·6	36
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·3	·8	·3	·2	·2†	2·0	4·4	5
14	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·6	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·2	0·3	2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	·7	·1	...	...	...	...	...	...	...	...	1·0	1·6	2
25	...	...	...	...	...	...	·2	·2	·5	1·0	...	...	·6	·5†	·1	...	·5	...	...	...	...	2·3	·3	...	6·2	3·7	22
26	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	·5†	...	·3	...	...	·1	...	·9	2·0	2·0	7
27	·4	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	0·7	1·1	2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	·4	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·3	4
Sum	1·0	0·8	0·3	0·3	0·3	0·4	0·7	0·5	0·7	1·2	0·1	...	1·0	0·5	0·8	0·5	1·3	3·0	2·7	0·4	0·9	2·7	0·9	1·5	22·5	26·5	
Total Duration	hr 1·7	hr 1·5	hr 0·7	hr 0·5	hr 0·9	hr 1·1	hr 1·2	hr 1·4	hr 1·0	hr 0·9	hr 0·3	hr ...	hr 1·3	hr 0·2	hr 1·0	hr 1·1	hr 1·5	hr 1·1	hr 1·1	hr 0·7	hr 1·2	hr 2·0	hr 1·7	hr 2·4	hr 26·5		

† 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, 1935

Day	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
	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	·6	...	...	...	...	...	...	...	...	...	1·5	1·4	3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	·7†	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·5	6
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	·9	1·5	2·4	1·9	4
6	·3	...	·2	·3	·1	·5	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	2·4	4
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	·1	·8	1·1	·7	·7	·3	...	...	...	...	...	...	...	...	...	3·7	4·6	3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	1·2	1·3	1·2	·6	...	...	...	...	...	...	...	...	...	...	4·3	3·6	3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4†	...	...	...	...	...	2·4	0·3	68
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·2	·7	·5	...	·7	·3	·2	...	...	4·2	6·0	3
21	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·5	1·1	1·6	4
22	·2	·2	·9	·8	·4	1·2	·6	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·2	8·2	4
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	·2	·3	...	...	...	...	2·4	·5	...	·3	1·5	1·7†	·4	7·3	4·6	18
25	·1	...	·1	...	·3	...	·6	1·3	1·8†	1·3	·5	...	·1	·3	·2	...	...	3·2	·8	...	...	...	...	...	10·6	4·9	37
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	·9	2·7	1·3	1·2	·6	·3	·9	...	·2	...	...	...	2·7†	1·1	...	...	...	11·9	7·4	29
28	...	...	·1	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·5	2
Sums	0·6	0·2	1·6	1·1	0·9	1·7	1·2	4·2	4·9	3·0	3·7	3·7	2·6	3·4	1·7	1·4	0·7	6·1	3·7	3·4	1·7	1·8	2·8	2·4	58·5	49·1	
Total Duration	hr 1·5	hr 1·0	hr 1·9	hr 1·4	hr 1·6	hr 1·6	hr 1·5	hr 2·4	hr 2·6	hr 2·0	hr 3·2	hr 3·6	hr 3·2	hr 3·7	hr 2·5	hr 1·1	hr 1·0	hr 2·4	hr 1·8	hr 1·7	hr 1·9	hr 1·6	hr 1·7	hr 2·2	hr 49·1		
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

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, 1935

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	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6†	·1	...	·3	·3	...	...	3·3	1·4	18
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	·1	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·9	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	0·2	0·3	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	0·1	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1†	·2	...	·1	...	...	...	0·4	0·7	7
23	...	...	...	...	...	...	...	...	...	...	...	·6	1·0	·1	·3	·2	·7	1·3	·1	...	...	...	...	...	4·3	5·3	2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	0·1	0·2	...	...	...	...	0·1	0·4	0·2	...	...	0·6	1·0	0·1	0·4	0·2	0·7	4·0	0·6	...	0·4	0·3	...	...	9·3	10·4	
Total Duration	hr 0·1	hr 0·6	hr ...	hr ...	hr ...	hr ...	hr 0·1	hr 1·0	hr 0·7	hr 0·1	hr ...	hr 0·8	hr 1·0	hr 0·2	hr 0·8	hr 0·5	hr 1·0	hr 2·0	hr 0·8	hr ...	hr 0·4	hr 0·3	hr ...	hr ...	hr 10·4		

† 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, 1935

Day	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		
	mm	mmm	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	·1†	...	0·7	0·6	5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7†	...	·3	...	...	...	...	...	...	1·0	0·7	18
3	...	...	...	...	...	...	...	...	...	...	...	...	...	·3†	...	·1	·1	...	...	...	...	...	...	...	0·5	0·4	8
4	...	...	...	...	...	...	...	...	·1	·1	...	·1	...	·4†	1·0	·9	·3	...	...	...	...	...	...	...	2·9	3·5	6
5	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·1	...	...	·2	·2	·1	...	...	...	0·8	1·0	3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·7	...
7	1·3	·9	·7	1·8	·3	·2	·2	...	...	...	...	...	...	...	·2	1·2	2·4†	·6	·3	1·6	·2	·1	...	1·8	13·8	12·0	24
8	3·4	·3	...	...	...	...	...	...	...	...	...	...	2·4†	·3	·5	...	...	...	...	...	...	1·6	1·7	1·2	11·4	5·9	29
9	·6	·3	...	...	...	...	...	...	...	·1	·2	...	...	...	...	·2	·6	·6	...	...	...	...	...	...	2·6	3·9	1
10	...	...	...	...	...	·3	1·2	1·2	·7†	...	...	...	...	...	...	...	...	...	...	...	·6	1·0	...	...	5·0	3·4	6
11	...	...	...	...	...	...	...	...	...	·7	1·6†	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	1·1	12
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·7	1·2	...	...	3·5	2·3	4
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9†	...	...	...	...	...	...	...	...	1·0	0·5	11
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·7	·6	1·6	2·7	2
16	·6	2·2†	1·6	1·1	·1	...	...	...	...	...	...	·2	·4	·3	...	...	...	...	...	...	...	...	...	...	6·5	4·8	5
17	...	·8	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	1·5	0·9	4
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·5	·4	·2	...	...	...	...	·1	1·9	2·7	4
19	1·3	·7	·2	...	...	...	...	...	...	...	...	...	...	·1†	...	...	...	...	...	...	...	...	...	...	2·3	2·5	7
20	...	...	...	...	...	...	...	...	...	...	...	...	·6	·3	·1	...	...	...	...	...	...	...	...	...	1·0	1·2	2
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2	3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	2·9	2·1	1·3	·5†	·2	...	...	...	...	...	7·4	3·8	10
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	7·2	5·2	2·5	2·9	0·4	0·5	1·4	1·2	1·4	0·9	1·9	0·5	3·6	2·1	4·8	6·9	5·2	2·4	0·9	2·4	2·7	4·8	2·5	4·0	68·3	54·8	
Total Duration	hr 4·9	hr 4·4	hr 2·1	hr 1·5	hr 0·8	hr 1·1	hr 1·2	hr 0·8	hr 0·8	hr 0·8	hr 1·2	hr 0·5	hr 2·4	hr 1·7	hr 2·9	hr 4·9	hr 4·5	hr 2·9	hr 1·7	hr 1·8	hr 2·4	hr 3·7	hr 2·1	hr 3·7	hr 54·8		
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

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, 1935

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†	·1	·3	·3	·4	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	2·7	4·9	6
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	·5	1·1	1·2	·1	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	2·9	4
15	·4	·1	...	·1	2·3†	·9	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	3·9	2·4	8
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	0·3	0·4	3
19	...	...	...	...	...	...	...	...	...	...	...	·2	·9	1·7†	·6	·2	·3	·8	·1	...	...	...	...	...	4·8	4·1	8
20	·3	·6	·4	...	...	...	...	...	...	3·0†	·2	...	...	·2	2·0	2·8	4·5	·9	·4	...	...	...	...	...	15·3	6·7	28
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	·3	·6	·1	·5	·2	·5†	·5	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	4·4	9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1†	·3	...	...	...	...	...	...	...	...	0·4	0·4	5
28	...	...	...	...	...	...	...	...	...	...	1·1†	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·4	12
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·1	1
31	...	...	...	(...)	(·1)	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	...
Sums	0·7	1·0	1·0	0·3	4·1	1·7	1·9	2·0	0·8	3·4	1·7	0·6	0·9	1·9	2·7	3·3	4·8	1·8	0·5	0·2	0·1	...	...	...	35·4	27·0	
Total Duration	hr 0·6	hr 1·3	hr 1·5	hr 0·5	hr 2·1	hr 1·7	hr 2·5	hr 2·6	hr 1·9	hr 0·9	hr 0·8	hr 1·0	hr 1·0	hr 1·4	hr 1·6	hr 1·5	hr 1·4	hr 1·4	hr 0·9	hr 0·3	hr 0·1	hr ...	hr ...	hr ...	hr 27·0		

† 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, 1935

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†	·1	0·9	0·9	5
2	·5	·4	1·6†	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	3·3	7
3	...	...	...	...	...	...	...	...	...	...	...	·7	1·0	...	·8†	...	...	...	...	...	...	...	...	...	2·5	1·2	20
4	...	...	...	...	...	·3†	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5	6
5	...	...	...	...	...	·2	3·3	2·7	3·6†	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·0	3·4	7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·8†	·2	1·0	·6	·3	·1	3·2	4·2	6
7	·1	·2	·2	·1	1·4	1·1†	·5	·1	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·1	4·8	6
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	3·8†	4·6	3·6	2·0	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14·3	4·2	37
11	...	...	...	...	·2	...	...	...	...	·4	...	...	...	...	...	...	·1	·5	·2	...	...	...	...	...	1·4	2·1	4
12	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...
13	...	·7†	·4	·3	·3	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·2	6
14	...	·7†	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9	·5	·1	...	...	...	...	2·8	3·3	7
15	...	...	...	...	...	...	...	...	...	·3	·7	·8†	·3	·2	·5	...	...	...	...	·9	...	1·1	·1	...	4·9	2·9	29
16	·1	·3	·2	...	...	·1	·1	...	...	...	...	·4	·4	6·3†	·1	...	...	...	...	...	...	...	...	...	8·0	2·8	129
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·4†	3·8	1·7	12
18	·3	...	...	...	...	·1	...	...	...	...	...	...	·8†	...	...	...	...	...	...	...	...	...	...	·1	1·3	0·9	8
19	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	0·6	1·1	...
20	...	...	...	·4	·2	·4	...	...	...	...	...	·1	·9	·4	...	...	·1	...	...	...	...	...	...	...	2·5	2·6	3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	5·1†	2·9	6·6	...	·2	·2	1·8	3·2	...	...	·1	...	20·1	2·7	106
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	1·2	2·3	6·5	5·7	5·7	4·3	4·5	2·8	3·9	1·1	0·7	2·0	8·5	9·9	8·0	...	0·6	1·7	3·3	4·4	1·0	1·7	2·9	2·9	85·6	45·9	
Total Duration	hr 2·4	hr 3·2	hr 3·3	hr 3·0	hr 3·2	hr 3·6	hr 2·7	hr 1·1	hr 1·4	hr 0·9	hr 0·2	hr 1·2	hr 2·1	hr 1·7	hr 1·4	hr ...	hr 0·9	hr 2·6	hr 2·2	hr 1·4	hr 0·7	hr 1·7	hr 2·7	hr 2·3	hr 45·9		
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.

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, 1935

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	...	...	...	...	...	0·6	0·1	9
2	...	·5	21·4†	4·8	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27·7	3·1	68
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	...	...	...	...	...	...	...	...	0·5	0·3	...
12	...	...	1·0†	2·0	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	1·4	14
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	4·8†	·5	...	...	...	...	...	...	5·4	1·0	21
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	·8†	...	1·0	0·6	8
20	...	·4	...	·3	...	...	...	...	...	...	·9	...	...	...	...	·8†	·6	...	...	...	...	...	...	...	3·0	1·6	35
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	0·9	22·4	7·1	1·3	...	...	...	...	...	0·9	...	0·1	...	0·2	1·1	5·6	0·5	0·6	...	...	...	0·8	...	41·5	8·1	
Total Duration	hr ...	hr 0·6	hr 1·1	hr 2·1	hr 1·4	hr ...	hr ...	hr ...	hr ...	hr ...	hr 0·1	hr ...	hr 0·1	hr ...	hr 0·2	hr 0·3	hr 1·4	hr 0·3	hr 0·1	hr ...	hr ...	hr ...	hr 0·4	hr ...	hr 8·1		

† 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, 1935

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	·2	1·8	...	2·2	2·4	2
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·8	2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	·8	·1	3·4	3·9†	·2	...	...	1·5	·6	...	...	...	...	...	...	...	...	...	...	...	10·5	4·4	49
24	...	...	·2	...	...	1·6	4·2	·9	·1	·6	1·1	·9	·8	·1	...	...	·9	2·1†	...	...	·1	·1	...	...	13·7	8·6	11
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	5·5†	·9	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·6	1·7	59
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	·3	...	·4	3·0	2·7	5·0	2·7†	·7	·2	...	...	...	...	15·0	5·6	11
31	·4	...	...	...	1·5†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·0	26
Sums	0·4	0·7	0·2	5·5	3·2	1·9	7·6	4·8	0·3	0·6	1·1	2·7	1·4	0·5	3·0	2·7	5·9	4·8	0·8	0·3	0·1	0·3	1·8	...	50·6	24·5	
Total Duration	hr 0·6	hr 0·8	hr 0·8	hr 0·7	hr 2·0	hr 1·0	hr 1·8	hr 2·0	hr 0·9	hr 0·7	hr 0·7	hr 1·4	hr 1·2	hr 0·8	hr 1·0	hr 1·0	hr 1·5	hr 1·6	hr 1·2	hr 0·9	hr 0·3	hr 0·8	hr 0·8	hr ...	hr 24·5		
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.

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, 1935

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	6
2	...	...	...	...	1·9†	...	...	...	...	...	·4	...	...	...	...	...	...	·2	...	...	...	...	...	...	2·5	0·8	26
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6†	...	...	...	0·6	0·2	13
4	2·9	·3	...	...	...	...	...	·6	1·2	1·7†	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	7·3	3·5	51
5	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	·4	2·6	2·0†	2·6	·5	...	8·4	4·5	13
6	...	...	(⌓)	(⌓)	(·1)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	·8†	...	...	...	...	...	...	...	...	...	...	0·8	0·2	30
15	...	...	...	...	...	...	...	...	...	·4	...	·4	...	·3†	...	...	...	...	...	...	...	...	...	...	1·1	0·7	6
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·9†	1·1	...	2·3	1·9	6
17	...	·2	·1	·3	2·5†	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	3·2	1·4	35
18	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9†	1·5	1·3	6
19	·7	1·2	·5†	1·5	·3	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·6	4·5	11
20	...	...	...	...	·1	·1	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·9	1
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	·4	2·0†	...	...	...	...	...	...	...	...	...	·2	·2	...	...	2·8	1·2	<u>64</u>
23	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...
24	...	...	...	...	·2	...	...	·8	·5	...	...	1·1	1·0	·7	·2	2·4	2·4	·2	·5†	·1	...	...	...	...	10·1	<u>6·9</u>	24
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	0·2	0·6	...
27	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7	...
28	·2	1·2†	·1	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	1·9	1·4	8
29	...	...	·1	...	...	...	...	...	2·8	4·6	3·4†	·3	·4	·1	...	...	...	...	...	...	...	...	...	·1	<u>11·8</u>	4·7	13
30	(...)	·4	...	·2	·7	...	·3	1·3	·1	...	...	...	·4†	1·1	·1	...	...	...	...	...	...	...	...	...	4·6	3·6	15
Sums	4·1	4·0	0·8	2·0	6·2	0·6	0·3	2·7	4·9	<u>7·1</u>	5·8	1·9	1·8	3·0	0·3	2·4	2·4	0·4	1·6	2·7	3·2	3·9	1·7	1·0	64·8	39·3	
Total Duration	hr 2·9	hr <u>3·9</u>	hr 1·2	hr 1·6	hr 3·0	hr 1·1	hr 0·2	hr 2·2	hr 2·9	hr 1·8	hr 1·7	hr 1·4	hr 1·8	hr 1·4	hr 0·6	hr 1·0	hr 0·9	hr 0·9	hr 1·4	hr 1·0	hr 2·0	hr 2·2	hr 1·3	hr 0·9	hr 39·3		

† 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, 1935

Day	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
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·6	...	·4	1·1†	...	...	...	2·3	2·6	8
3	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	·1	2·3†	·1	...	2·1	2·5	7·5	2·7	<u>51</u>
4	1·4	·7	...	·4	·1	1·6	·2	...	·1	...	...	·1	1·1†	...	·2	...	...	...	...	...	·2	...	·7	·3	7·1	4·4	<u>41</u>
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	·4	1·0	1·7	1·9†	·6	...	...	...	...	...	...	...	...	...	...	...	5·6	4·1	16
9	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·2	...	...	0·6	0·7	3
10	·4	·2	·5	·3	1·0	4·5†	2·7	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	<u>11·4</u>	4·8	29
11	...	...	...	...	...	...	...	...	...	...	...	...	...	·2†	...	...	...	...	...	...	...	...	...	...	0·2	0·1	6
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·4	2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	·1	...	·3	·6†	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·8	12
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	0·8	0·8	4
22	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	·1	·1	·4	1·0	·1	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	1·9	3·4	1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	·1	...	...	1·2	1·7	2
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
31	...	...	...	·4	1·3	3·0†	...	...	...	...	...	...	...	2·6	1·7	·5	·4	·3	...	...	...	...	...	...	10·2	<u>6·0</u>	31
Sums	2·0	1·0	0·7	1·2	2·8	<u>10·1</u>	3·9	1·9	0·5	1·0	1·7	2·0	2·1	2·9	2·0	0·5	0·5	0·9	0·4	3·0	2·3	0·3	3·4	3·1	50·2	33·0	
Total Duration	hr 1·2	hr 0·6	hr 1·0	hr 1·5	hr 1·9	hr <u>4·2</u>	hr 2·2	hr 1·4	hr 0·5	hr 1·0	hr 1·0	hr 1·2	hr 1·6	hr 1·1	hr 1·4	hr 0·7	hr 0·9	hr 1·3	hr 0·6	hr 2·0	hr 2·1	hr 0·5	hr 1·5	hr 1·6	hr 33·0		
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 fall (5 mm/hr or more.)

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, 1935

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 0-26	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	...	...	...	...	...	·7	2·3	...	...	...	6·7†	·5	...	...	...	...	...	...	...	...	...	...	...	...	10·2	2·2	<u>77</u>
2	·4	·1	...	...	...	...	·1	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·7	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2†	·7	0·9	1·0	13
4	·6	·1	·4	1·1	1·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	4·4	3
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·1	0·1	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	·5†	...	...	·2	1·8	1·8	3·9	3·6	3·1	2·1	3·6	4·8	·6	...	...	...	<u>26·0</u>	9·7	10
8	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·8	...	...	...	·1	·4	2·4†	·9	·2	·1	...	6·0	3·4	21
9	...	...	...	...	...	...	...	...	·3	1·6†	·5	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·5	1·7	15
10	...	...	...	...	...	...	...	...	...	...	·3	1·5†	·1	...	...	...	...	...	...	·1	·4	...	·3	...	2·7	1·5	15
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	·2	·8	1·5	2·1†	·1	...	...	...	...	...	...	...	...	...	·2	...	...	...	·1	·2	·1	...	·4	5·7	4·5	32
13	...	...	·3	·4	3·9†	2·2	2·2	1·0	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·2	4·9	7
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	...	...	...	...	...	...	·1	0·6	1·5	...
15	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	...	...	...	...	...	...	·2	·1	...	...	0·8	1·7	1
16	...	·1	...	...	1·7	1·1	2·2†	·7	·5	·2	...	...	·1	2·1	·2	·3	...	...	...	...	...	...	...	1·3	10·5	6·5	26
17	1·9	1·5	1·4†	1·8	·9	1·0	·3	...	...	·3	1·0	1·3	1·1	1·9	·3	·3	·5	...	·1	·2	·1	...	...	...	15·9	<u>14·1</u>	9
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	...	...	...	...	...	...	0·5	1·0	1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·4	·1	...	·2	1·3	2·0	3
20	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·9	1·5	·4	...	...	...	...	·1	4·1	5·3	2
21	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·2	0·5	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	·4	·1	·1	·5	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	2·8	4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	·1	1·4	1·5	2·1†	...	...	5·3	3·1	15
Sums	3·5	2·6	3·0	4·9	<u>10·2</u>	6·4	7·1	1·7	2·2	2·3	8·5	3·7	3·5	7·7	4·7	5·0	5·0	4·0	4·6	9·6	4·3	2·6	0·6	2·9	110·6	73·6	
Total Duration	hr 3·7	hr 3·3	hr 3·5	hr 3·7	hr <u>5·1</u>	hr 4·6	hr 2·7	hr 1·3	hr 2·3	hr 2·3	hr 2·4	hr 2·9	hr 3·1	hr 4·0	hr 2·5	hr 3·3	hr 3·6	hr 2·8	hr 2·4	hr 4·5	hr 4·2	hr 1·6	hr 0·7	hr 3·1	hr 73·6		

† 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, 1935

Day	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		
	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	...	...	...	...	...	0·6	1·4	1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	(...)	·4	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·9	1
5	...	(...)	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·7	...
6	...	...	...	...	...	...	...	·1	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9†	·4	3·3	1·2	8
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5†	...	...	...	...	...	...	2·5	0·6	<u>26</u>
9	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·1	...
11	...	...	...	...	(...)	(...)	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·8	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	(...)	·3	·3	·2	·3	·1	1·1	·1	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	...	2·9	4·2	3
16	...	...	·7†	...	...	...	...	...	...	...	...	...	...	...	·2†	·1	...	...	...	...	...	...	...	...	1·0	1·1	6
17	...	...	(⌴)	(⌴)	(⌴)	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	·2	·1	·1	·1	...	...	...	...	...	·1	·1	...	...	...	...	...	0·7	1·6	1
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	...	...	...
22	(·1)	(⌴)	(⌴)	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	(⌴)	0·2	...	...
23	(·1)	(⌴)	(⌴)	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	0·3	...	...
24	(⌴)	(⌴)	(·1)	(⌴)	...	·1	·5	1·2	1·2	·6	·1	·1	·1	·2	...	...	·1	...	...	...	...	...	...	...	4·3	5·0	3
25	...	2·2	1·3	·1	...	·1	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	4·1	2·9	3
26	·1	...	...	·4	·1	...	...	·2	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·3	4
27	...	...	...	1·9†	·9	1·6	1·1	·3	·3	·1	...	...	...	1·0	·2	...	...	...	...	...	...	...	...	...	7·4	<u>7·0</u>	13
28	...	1·9	·8	·3	·6	·2	...	...	...	·8	2·2	1·0†	...	...	...	...	...	...	...	...	...	...	...	...	<u>7·8</u>	5·5	11
29	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	·4	...	...	·3	·5	·6	2·1	3·4	1
30	·3	·6	...	...	...	...	...	...	...	...	...	...	·1	...	·1	1·9	·8	·2	·4	...	·9	·1	·1	·2	5·7	5·0	4
31	...	...	...	...	...	...	·1	·6	1·0	1·4	1·9	1·3	·3	·1	...	·5†	...	...	...	...	...	...	...	...	7·2	5·4	12
Sums	0·6	5·0	3·6	3·4	2·1	2·3	3·1	2·8	3·5	3·5	<u>5·2</u>	2·6	0·7	1·4	0·5	2·5	1·7	2·9	1·0	...	0·9	0·5	3·5	1·3	54·6	51·3	
Total Duration	hr 0·9	hr 3·1	hr 4·0	hr 4·3	hr 2·7	hr 2·4	hr 3·2	hr 3·6	hr <u>4·6</u>	hr 2·3	hr 3·5	hr 2·2	hr 1·0	hr 1·2	hr 1·0	hr 1·6	hr 1·3	hr 1·3	hr 1·3	hr ...	hr 0·3	hr 1·2	hr 1·8	hr 1·5	hr 51·3		
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	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, 1935

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	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
4	--	--	--	--	--	·1	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	6·0	76	580	...	...	...
5	--	--	--	--	--	...	...	...	·3	·3	·3	·1	...	--	--	--	--	--	1·0	13	80	...	...	...
6	--	--	--	--	--	...	...	...	·3	·4	...	...	...	--	--	--	--	--	0·7	9	40	...	...	...
7	--	--	--	--	--	...	·4	·9	·1	...	...	...	...	--	--	--	--	--	1·4	18	70	...	...	...
8	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
10	--	--	--	--	--	...	...	...	...	·6	...	...	...	--	--	--	--	--	0·6	7	10	...	...	...
11	--	--	--	--	...	...	...	·3	...	·1	...	...	...	...	--	--	--	--	0·4	5	20	...	...	...
12	--	--	--	--	...	...	·3	·4	·6	·9	1·0	·8	·1	...	--	--	--	--	4·1	50	300	...	...	...
13	--	--	--	--	...	...	·1	·4	·9	...	...	...	...	...	--	--	--	--	1·4	17	160	...	...	...
14	--	--	--	--	...	...	...	·7	·3	·1	·2	...	...	...	--	--	--	--	1·3	16	100	...	...	...
15	--	--	--	--	...	...	...	·9	·9	1·0	·9	·8	...	...	--	--	--	--	4·5	55	460	...	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	20	...	...	...
17	--	--	--	--	...	...	...	...	·4	...	...	·1	...	...	--	--	--	--	0·5	6	80	...	...	...
18	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1	10	...	...	...
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
20	--	--	--	--	...	...	...	·7	·2	...	...	...	...	...	--	--	--	--	0·9	11	60	...	...	...
21	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	70	...	...	...
23	--	--	--	--	...	...	...	...	...	...	·8	1·0	·1	...	--	--	--	--	1·9	22	210	...	...	...
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
25	--	--	--	--	...	...	·2	·1	·1	...	·1	...	...	...	--	--	--	--	0·5	6	30	...	...	...
26	--	--	--	--	...	·2	...	...	...	...	...	...	...	...	--	--	--	--	0·2	2	10	...	...	...
27	--	--	--	--	...	·2	·7	·6	·6	·9	1·0	·8	·2	...	--	--	--	--	5·0	57	570	...	...	...
28	--	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·1	...	--	--	--	--	6·7	76	1010	...	...	...
29	--	--	--	--	...	...	...	...	...	·9	·9	·4	...	...	--	--	--	--	2·2	25	260	...	...	...
30	--	--	--	--	...	...	...	...	...	...	·3	·2	·1	...	--	--	--	--	0·6	7	110	...	...	...
31	--	--	--	--	...	·8	1·0	1·0	1·0	·8	·1	·1	...	...	--	--	--	--	4·8	53	650	...	...	...
Sum	--	--	--	--	...	1·9	4·7	8·0	7·8	8·0	7·6	6·2	0·6	...	--	--	--	--	44·8	--	4910	--	--	--
Mean	--	--	--	--	...	·06	·15	·26	·25	·26	·25	·20	·02	...	--	--	--	--	1·45	17	160	--	--	--

500. KEW OBSERVATORY: h_s = 13·3 metres — FEBRUARY, 1935

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	·6	·1	·1	...	...	--	--	--	--	1·0	11	110	...	...	...
3	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1	10	...	...	...
4	--	--	--	--	...	...	...	·1	·4	·4	·8	·1	·1	...	--	--	--	--	1·9	21	200	...	...	...
5	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·7	·6	·1	...	--	--	--	--	6·2	67	1120	...	...	...
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
7	--	--	--	--	...	·3	1·0	·6	·4	·1	·4	·2	...	...	--	--	--	--	3·0	32	270	...	...	...
8	--	--	--	--	...	...	...	...	...	...	...	...	·2	...	--	--	--	--	0·2	2	50	...	...	...
9	--	--	--	--	...	·7	·8	·6	·5	·6	·5	·1	...	...	--	--	--	--	3·8	40	390	...	...	...
10	--	--	--	--	...	...	...	...	...	...	...	·3	·1	...	--	--	--	--	0·4	4	30	...	...	...
11	--	--	--	--	...	...	...	...	...	...	...	·2	...	...	--	--	--	--	0·2	2	10	...	...	...
12	--	--	--	--	...	·1	·4	·1	...	...	...	...	·3	·1	--	--	--	--	1·0	10	30	...	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	10	...	...	...
14	--	--	--	--	...	·1	·4	1·0	1·0	1·0	·9	1·0	·8	...	--	--	--	--	6·2	63	890	...	...	...
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
16	--	--	--	--	...	...	·2	...	...	·1	...	...	...	...	--	--	--	--	0·3	3	...	...	...	...
17	--	--	--	--	·6	·7	...	...	·3	...	...	·8	1·0	·1	--	--	--	--	3·5	35	330	...	...	...
18	--	--	--	--	...	...	...	...	...	·1	...	·1	...	...	--	--	--	--	0·2	2	10	...	...	...
19	--	--	--	...	...	...	...	...	·1	...	...	...	...	...	...	--	--	--	0·1	1	10	...	...	...
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...
21	--	--	--	...	·5	1·0	1·0	·7	·8	·9	·4	·7	·3	...	...	--	--	--	6·3	61	990	...	...	...
22	--	--	--	...	...	...	·2	·5	·2	...	...	·1	·2	·3	...	--	--	--	1·5	14	110	...	...	...
23	--	--	--	...	·3	·7	·4	·5	·3	·6	...	...	...	...	...	--	--	--	2·8	27	230	...	...	...
24	--	--	--	...	·2	1·0	1·0	·5	·1	·2	...	...	...	...	...	--	--	--	3·0	29	470	...	...	...
25	--	--	--	...	...	...	...	...	...	...	...	·3	...	...	...	--	--	--	0·3	3	50	...	...	...
26	--	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	--	--	--	8·9	84	1430	59	2·02	Hazy
27	--	--	--	...	...	...	...	...	...	...	...	·2	·1	·1	...	--	--	--	0·4	4	30	...	...	...
28	--	--	--	...	...	·1	·2	...	...	·5	·3	·3	...	...	...	--	--	--	1·4	13	100	...	...	...
Sum	--	--	--	...	2·1	6·5	7·6	6·6	6·4	7·1	5·1	6·1	4·2	1·0		--	--	--	52·7	--	6880	--	--	--
Mean	--	--	--	...	·07	·23	·27	·24	·23	·25	·18	·22	·15	·04		--	--	--	1·88	19	250	--	--	--
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 (SOLAR RADIATION Received on surface perpendicular to solar beam.)	†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, 1935

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	1·0	1·0	·4	...	...	...	...	...	...	--	--	--	3·1	29	360	...	...	...
2	--	--	--	...	...	...	·1	...	...	...	...	...	...	...	...	--	--	--	0·1	1	10	...	...	...
3	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	10	...	...	...
4	--	--	--	...	·4	1·0	1·0	1·0	·9	·9	1·0	·7	1·0	·4	...	--	--	--	8·3	75	1140	73	1·89	Clear
5	--	--	--	...	·2	·5	·1	·6	1·0	1·0	·1	...	...	...	...	--	--	--	3·5	32	690	...	...	...
6	--	--	--	...	...	...	...	...	...	·1	...	...	...	...	...	--	--	--	0·1	1	10	...	...	...
7	--	--	--	...	...	·1	·1	·5	1·0	1·0	1·0	·8	·2	...	...	--	--	--	4·7	42	610	...	...	...
8	--	--	--	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	--	0·1	1	20	...	...	...
9	--	--	--	...	...	...	...	...	...	·1	·1	...	...	...	...	--	--	--	0·2	2	20	...	...	...
10	--	--	--	...	...	...	...	·1	...	...	...	·1	...	...	...	--	--	--	0·2	2	20	...	...	...
11	--	--	--	...	...	...	...	·5	·5	·1	1·0	·4	·5	...	...	--	--	--	3·0	26	270	...	...	...
12	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	9·1	79	1530	55	1·74	Hazy
13	--	--	--	...	...	·4	·1	·3	·9	1·0	1·0	1·0	·9	...	...	--	--	--	5·6	48	670	32	1·72	Hazy
14	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...
15	--	--	--	...	...	...	...	·2	·9	·8	·9	·9	1·0	·6	...	--	--	--	5·3	45	600	...	...	...
16	--	--	--	...	...	...	...	...	...	...	...	·1	...	...	...	--	--	--	0·1	1	50	...	...	...
17	--	--	--	...	...	...	...	...	...	...	...	...	...	·1	...	--	--	--	0·1	1	50	...	...	...
18	--	--	--	...	...	...	·1	·7	·9	·9	·9	1·0	1·0	·4	...	--	--	--	5·9	49	720	...	...	...
19	--	--	--	·2	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	--	9·0	75	1710	...	...	...
20	--	--	--	...	...	·2	1·0	1·0	1·0	·4	·7	1·0	1·0	1·0	·1	--	--	--	7·4	61	1380	...	...	...
21	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	10·4	86	2440	81	1·61	Clear
22	--	--	...	...	...	·6	·3	...	...	...	...	·3	...	·1	...	...	--	--	1·3	11	130	...	...	...
23	--	--	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	...	--	--	0·4	3	30	...	...	...
24	--	--	...	·1	·8	·9	·9	1·0	1·0	1·0	·9	·9	·9	...	...	...	--	--	8·4	68	1380	...	...	...
25	--	--	...	...	...	...	·2	...	...	...	·3	·3	...	...	...	...	--	--	0·8	6	290	...	...	...
26	--	--	...	...	...	...	...	...	...	·7	·7	·1	·7	·2	...	...	--	--	2·4	19	390	...	...	...
27	--	--	...	...	...	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	8·7	70	1520	...	...	...
28	--	--	...	...	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	·9	...	...	--	--	6·4	51	850	55	1·51	Hazy
29	--	--	...	...	...	...	·5	·8	·2	...	...	...	...	...	...	...	--	--	1·5	12	110	...	...	...
30	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...
31	--	--	...	...	...	...	...	...	·4	·9	·5	·2	·8	·6	...	...	--	--	3·4	27	370	...	...	...
Sum	--	--	...	0·5	3·4	8·0	9·5	12·3	14·1	13·9	14·2	12·8	13·0	7·3	0·5	...	--	--	109·5	—	17380	--	--	--
Mean	--	--	...	·02	·11	·26	·31	·40	·45	·45	·46	·41	·42	·24	·02	...	--	--	3·53	30	560	--	--	--

502. KEW OBSERVATORY: h_s = 13·3 metres — APRIL, 1935

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	mw/cm²		
1	--	--	...	...	·4	·1	...	·7	1·0	·7	·2	·3	·4	...	...	...	--	--	3·8	30	450	...	...	...
2	--	--	...	·1	·9	·8	·7	·4	·7	·8	·7	·2	·1	·3	...	...	--	--	5·7	44	750	...	...	...
3	--	--	...	·5	1·0	·8	·8	·8	·3	·3	·5	·8	·5	·3	·2	...	--	--	6·8	52	1030	...	...	...
4	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...
5	--	--	...	1·0	·3	1·0	1·0	·9	·4	·5	·6	·5	·8	...	...	...	--	--	6·8	52	890	...	...	...
6	--	--	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	·2	...	...	--	--	9·5	72	1630	...	...	...
7	--	--	...	...	...	·2	·2	·9	·2	·6	·5	...	...	...	...	...	--	--	2·6	20	230	...	...	...
8	--	--	·1	1·0	1·0	·9	...	...	...	...	·6	·9	·1	...	...	...	--	--	4·6	35	880	...	...	...
9	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	10	...	...	...
10	--	--	...	...	...	...	·1	·1	...	...	·4	·7	...	·2	·2	...	--	--	1·7	13	50	...	...	...
11	--	--	...	...	·1	·2	...	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	·3	--	--	7·8	58	1520	...	...	...
12	--	--	...	...	...	...	...	...	·2	·1	·5	·2	·4	·2	·4	...	--	--	2·0	15	340	...	...	...
13	--	--	...	...	·7	·9	1·0	·7	·9	·8	·1	·2	...	...	...	...	--	--	5·3	39	650	...	...	...
14	--	--	...	...	...	·2	1·0	·8	·3	·3	·2	...	·7	·2	...	...	--	--	3·7	27	520	...	...	...
15	--	--	...	...	...	...	...	·6	·6	·5	·8	·2	·4	...	...	...	--	--	3·1	23	260	...	...	...
16	--	--	...	...	...	·1	·6	·9	·5	·4	·5	·8	1·0	·3	...	...	--	--	5·1	37	1080	...	...	...
17	--	--	...	1·0	1·0	·4	·4	·9	1·0	1·0	1·0	1·0	·7	...	...	...	--	--	8·4	61	1390	...	...	...
18	--	--	...	...	·1	·2	·8	·6	·8	1·0	1·0	·1	...	...	...	...	--	--	4·6	33	390	...	...	...
19	--	--	...	·1	·9	·2	·2	·3	·6	·1	...	...	·3	...	...	...	--	--	2·7	19	240	...	...	...
20	--	--	...	...	·4	·4	·2	...	...	...	...	·2	...	...	...	·1	--	--	1·3	9	150	...	...	...
21	--	...	...	·2	·5	1·0	1·0	·5	...	...	·1	·1	·3	·6	·6	·3	...	--	5·2	37	550	...	...	...
22	--	...	·5	·2	...	...	...	...	·6	·6	...	·4	·2	...	·9	·4	...	--	3·8	27	420	...	...	...
23	--	...	...	·7	1·0	·5	·2	·1	·4	...	...	·2	·1	1·0	·6	...	...	--	4·8	34	450	...	...	...
24	--	...	...	·3	·8	·3	·1	...	...	...	...	·1	·5	·6	·9	...	...	--	3·6	25	300	...	...	...
25	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...
26	--	...	...	...	...	...	...	...	·2	·7	·9	·6	·6	·8	·9	·3	...	--	5·0	35	440	...	...	...
27	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...
28	--	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	--	0·1	1	10	...	...	...
29	--	...	...	...	...	...	·1	·7	·1	·1	·8	·9	·9	·4	...	...	...	--	4·0	27	380	...	...	...
30	--	...	...	...	...	·2	...	...	·2	...	·2	·2	...	...	...	...	...	--	0·8	5	180	...	...	...
Sum	--	...	0·6	6·1	10·1	9·4	9·4	11·2	10·9	10·5	11·6	10·6	9·2	6·1	5·7	1·4	...	--	112·8	--	15190	--	--	--
Mean	--	...	·02	·20	·34	·31	·31	·37	·36	·35	·39	·35	·31	·20	·19	·05	...	--	3·76	27	510	--	--	--
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

503. KEW OBSERVATORY: h_s (height of recorder above ground) = 13·3 metres — MAY, 1935

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/cm^2	mw/cm^2		
1	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	10	...	...	...
2	--	...	·4	1·0	1·0	1·0	1·0	·6	·6	·7	·6	·8	·5	·3	...	...	...	--	8·5	57	900	...	...	...
3	--	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·9	...	...	--	11·2	75	2260	...	...	...
4	--	...	·2	·2	·9	·3	1·0	·9	·6	...	...	...	...	...	...	...	...	--	4·1	28	500	...	...	...
5	--	...	...	·4	·9	·6	·1	...	·5	·9	·9	1·0	·3	·2	·1	...	...	--	5·9	39	750	...	...	...
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	·5	...	--	12·5	83	2790	75	1·22	Clear
7	--	...	...	...	...	...	...	·2	...	·5	·8	·8	·9	·5	·2	...	...	--	3·9	26	660	...	...	...
8	--	...	...	...	...	...	...	·1	·2	...	·1	·6	·7	·4	·9	·1	...	--	3·1	20	140	...	...	...
9	--	...	...	...	...	...	...	·6	·9	·8	·9	1·0	1·0	1·0	1·0	1·0	...	--	8·2	54	1440	...	...	...
10	--	...	·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	...	--	13·8	90	3010	72	1·21	Clear
11	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	·3	1·0	1·0	1·0	1·0	·1	--	12·3	80	2810	...	...	...
12	--	...	·1	·4	·9	·8	·4	·1	·2	·8	·5	·3	·2	·1	·1	·1	...	--	5·0	33	400	...	...	...
13	--	...	·8	1·0	·9	·2	·3	...	...	·1	·1	·1	·4	·3	·4	·7	...	--	5·3	34	530	...	...	...
14	--	...	...	...	...	·2	·2	...	·6	·6	·9	·6	·9	·2	·4	·4	...	--	5·0	32	960	...	...	...
15	--	...	...	...	·4	·4	·8	·3	·1	·8	·5	·7	·9	1·0	·7	·2	...	--	6·8	44	670	...	...	...
16	--	...	...	...	...	...	·1	·4	·4	·3	·2	·3	·3	...	·6	·2	...	--	2·8	18	210	...	...	...
17	--	...	...	·9	1·0	1·0	1·0	·9	·4	·9	·9	·3	...	...	·5	·9	...	--	8·7	56	790	...	...	...
18	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	·2	·7	·7	·9	...	...	...	--	9·8	63	1970	...	...	...
19	--	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	--	0·3	2	80	...	...	...
20	--	...	...	...	...	·1	·1	·2	·7	...	...	...	...	...	...	...	...	--	1·1	·7	210	...	...	...
21	--	...	·8	1·0	1·0	1·0	·9	1·0	·7	·6	1·0	·7	·4	·5	·8	·6	...	--	11·0	70	1340	...	...	...
22	--	...	·1	·5	·6	·3	·1	·2	·5	·7	·8	·6	·6	·8	·2	·2	...	--	6·2	39	340	...	...	...
23	--	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	·6	·7	·2	·3	...	...	...	--	7·8	49	1760	76	1·17	Clear
24	--	...	...	...	·2	·8	·7	·1	...	·6	·6	·1	·6	·5	...	·1	...	--	4·3	27	490	...	...	...
25	--	...	...	...	...	...	...	...	...	·2	·3	·2	·7	1·0	·8	·7	...	--	3·9	24	500	...	...	...
26	--	...	...	·4	·9	1·0	·8	·1	·5	·6	·8	·7	·7	1·0	1·0	1·0	·2	--	9·7	61	1590	...	...	...
27	--	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	--	0·1	1	30	...	...	...
28	--	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	...	--	0·6	4	80	...	...	...
29	...	...	...	·5	·4	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	11·9	74	2080	...	...	...
30	...	...	...	...	...	...	·4	·8	·8	·9	1·0	·9	·9	·4	...	...	...	...	6·1	38	580	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	...	0·2	4·8	11·0	15·2	14·6	14·9	13·5	14·6	16·2	16·0	15·4	16·2	14·5	12·6	9·7	0·5	...	189·9	--	29880	--	--	--
Mean	...	·01	·15	·35	·49	·47	·48	·44	·47	·52	·52	·50	·52	·47	·41	·31	·02	...	6·13	40	960	--	--	--

504. KEW OBSERVATORY: h_s = 13·3 metres — JUNE, 1935

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/cm^2	mw/cm^2		
1	...	...	...	...	...	...	...	...	...	...	·3	·7	·9	...	...	...	...	...	1·9	12	230	...	...	...
2	...	...	...	...	...	·1	·2	·1	·5	·1	·4	1·0	·9	1·0	·7	...	...	...	5·0	31	510	...	...	...
3	...	...	...	·7	·9	·5	·7	·4	·2	·8	·4	·3	·6	·5	·2	·9	·3	...	7·4	45	900	...	...	...
4	...	...	...	...	...	...	·1	·1	...	...	...	...	·1	·3	·2	·2	·1	...	1·1	7	160	...	...	...
5	...	...	...	...	...	...	...	·1	1·0	·1	·5	·4	·2	...	·2	...	...	...	2·5	15	560	...	...	...
6	...	·1	·1	·2	·1	·5	·3	·4	·4	...	...	...	...	...	...	...	...	...	2·1	13	300	...	...	...
7	...	...	...	...	...	...	...	·1	·9	·8	·8	·6	·4	·4	·5	·2	...	...	4·7	29	470	...	...	...
8	...	...	...	·9	·2	1·0	·9	·9	·8	·6	·8	·8	·3	·9	1·0	1·0	·6	...	10·7	65	1530	...	...	...
9	...	·3	·9	1·0	·7	·4	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	...	...	9·7	59	2130	...	...	...
10	...	...	...	...	...	...	...	...	·1	...	...	...	...	·7	·6	·2	·4	...	2·0	12	170	...	...	...
11	...	...	...	...	...	·4	·1	·6	·8	·6	·9	·9	·9	...	...	...	...	...	5·2	32	600	...	...	...
12	...	...	·8	·6	·2	·2	...	...	...	...	·2	1·0	·9	1·0	1·0	1·0	·4	...	7·3	44	740	...	...	...
13	...	...	...	...	...	·8	·9	1·0	·9	1·0	1·0	·9	1·0	·8	·5	·2	·1	...	9·1	55	1140	...	...	...
14	...	...	...	·3	·2	·7	·8	·8	·7	...	...	...	...	...	...	...	...	...	3·5	21	210	...	...	...
15	...	...	...	·2	·1	·5	·4	·3	·3	·4	·4	·1	·8	·1	·3	...	...	...	3·9	24	590	...	...	...
16	...	...	...	·6	1·0	·9	·9	·9	·5	·7	·5	1·0	·6	·6	·8	·8	·2	...	[illegible]	60	370	...	...	...
17	...	·2	·6	·4	·2	·9	·5	·1	·6	·8	·1	·5	·1	...	...	...	...	...	5·0	30	440	...	...	...
18	...	...	...	...	...	...	...	...	·1	...	·5	·6	·6	·7	·1	·1	·2	...	2·9	19	470	...	...	...
19	...	...	...	...	...	...	...	...	·4	·4	·2	...	...	...	...	...	...	...	1·0	6	110	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	·1	·2	·3	·1	·5	·6	·5	·9	·6	1·0	1·0	·6	...	6·4	39	950	...	...	...
22	...	...	·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	...	...	13·6	82	2940	81	1·13	Clear
23	...	...	·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	·4	...	13·9	84	2950	...	...	...
24	...	...	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	...	14·4	87	2210	...	...	...
25	...	...	·8	1·0	1·0	1·0	·9	1·0	·4	...	...	...	...	...	...	...	...	...	6·1	37	850	...	...	...
26	...	·2	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·9	1·0	1·0	1·0	·3	·2	...	13·5	82	2690	...	...	...
27	...	...	...	...	...	...	·1	·2	·6	...	·2	...	·1	·3	·3	·2	...	...	2·0	12	70	...	...	...
23	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·8	·6	1·0	1·0	1·0	·5	...	14·4	87	2870	...	...	...
29	...	...	·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	·3	...	13·7	83	3690	79	1·13	Clear
30	...	·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	·2	·7	·2	...	13·3	81	2590	...	...	...
Sum	...	1·7	8·7	12·9	11·6	15·0	15·0	15·2	17·3	14·7	15·7	17·0	16·3	14·9	13·6	11·8	4·9	...	206·3	--	33440	--	--	--
Mean	...	·06	·29	·43	·39	·50	·50	·51	·58	·49	·52	·57	·54	·50	·45	·39	·16	...	6·88	42	1115	--	--	--
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 gounr) = 13·3 metres — JULY, 1935

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	...	·3	·1	·4	·1	·2	·7	·2	·1	...	...	·2	·3	...	...	...	...	...	2·6	16	260	...	...	...
2	...	...	...	...	·7	·6	·7	·9	1·0	1·0	·7	·8	·7	·4	·6	·4	·2	...	8·7	53	1070	...	...	...
3	...	...	...	...	...	·6	...	·1	·1	...	·5	·7	·9	·7	·8	·8	·1	...	5·3	32	500	...	...	...
4	...	...	...	...	·2	·2	...	·1	·5	·3	·6	·8	·4	·9	·9	·5	...	...	5·4	33	440	...	...	...
5	...	·5	·5	·1	·2	·1	·9	·9	·9	·8	·5	·5	·8	·3	·3	...	...	...	7·3	44	850	...	...	...
6	...	...	·6	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	13·6	83	2500	...	...	...
7	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	1·0	·6	·9	·9	1·0	1·0	...	...	13·3	81	2390	...	...	...
8	...	·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	·9	1·0	·5	...	14·9	91	2980	...	...	...
9	...	...	...	·9	1·0	1·0	1·0	1·0	·6	1·0	1·0	·8	1·0	1·0	·3	...	...	...	10·6	65	1570	...	...	...
10	...	...	·2	·2	1·0	1·0	1·0	1·0	1·0	·9	1·0	·8	1·0	1·0	1·0	·1	...	...	11·2	69	2140	84	1·15	Clear
11	...	...	...	·2	·7	·9	1·0	1·0	1·0	·3	...	...	...	...	...	...	...	...	5·1	31	710	...	...	...
12	...	...	...	...	·2	...	...	...	...	...	·1	·6	·6	1·0	1·0	·6	...	...	4·1	25	590	...	...	...
13	...	...	·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	·7	...	...	12·9	80	2110	...	...	...
14	...	...	·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	·2	...	...	12·9	80	2450	...	...	...
15	...	...	...	·4	·5	1·0	1·0	·9	1·0	1·0	1·0	·9	·1	1·0	·9	·6	...	...	10·3	64	1210	...	...	...
16	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·4	...	13·0	81	3470	84	1·16	Clear
17	--	...	...	...	...	·1	·3	·5	·8	·2	·9	·4	·8	·4	·4	...	...	--	4·8	30	480	...	...	...
18	--	...	...	...	...	·4	·6	·1	...	·2	·5	·5	·6	·1	·8	·4	·3	--	4·5	28	350	...	...	...
19	--	...	...	...	·7	·9	·1	·1	·1	...	...	...	...	...	...	...	...	--	1·9	12	350	...	...	...
20	--	...	...	·2	...	·8	·2	·3	·3	·7	·7	·1	...	...	·8	1·0	·2	--	5·3	33	450	...	...	...
21	--	·2	1·0	1·0	1·0	1·0	1·0	·9	·8	·8	·8	·4	·3	...	...	...	...	--	9·2	58	1850	...	...	...
22	--	...	...	...	·4	·5	...	...	...	...	·1	·2	·6	...	...	...	...	--	1·8	11	210	...	...	...
23	--	...	...	1·0	1·0	1·0	...	...	·9	·6	·7	·4	·4	·9	1·0	·7	...	--	8·6	54	1050	...	...	...
24	--	...	...	·4	·7	1·0	·7	·9	·9	·5	·6	·7	·7	·2	...	...	...	--	7·3	46	900	...	...	...
25	--	...	·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	·8	...	--	13·5	86	2440	64	1·18	Hazy
26	--	...	·6	·9	·9	·9	·8	1·0	1·0	1·0	1·0	·7	·9	·4	·6	·7	...	--	11·4	73	1830	...	...	...
27	--	·2	·3	·8	1·0	·6	...	·1	·3	·1	·7	·9	·3	·7	·2	...	·1	--	6·3	40	1190	...	...	...
28	--	...	...	...	...	·1	·7	1·0	1·0	1·0	1·0	·5	·9	·2	·5	·9	·3	--	8·1	52	1200	...	...	...
29	--	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	1·0	·7	...	--	11·8	76	2620	...	...	...
30	--	...	...	·7	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	12·4	80	2370	...	...	...
31	--	...	·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	·8	...	--	13·6	88	2530	...	...	...
Sum	...	1·9	7·7	15·2	20·3	22·7	20·7	20·8	22·2	20·2	22·4	20·5	21·1	18·9	20·0	14·8	2·3	...	271·7	--	45060	--	--	--
Mean	...	·06	·25	·49	·65	·73	·67	·67	·72	·65	·72	·66	·68	·61	·65	·48	·07	...	8·76	54	1450	--	--	--

506. KEW OBSERVATORY: h_s = 13·3 metres — AUGUST, 1935

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	Toral for Day	Per cent of Possible	*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	--	...	·3	·1	...	...	...	·3	·2	·1	·3	·1	...	...	...	...	...	--	1·4	9	230	...	...	...
2	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·5	...	--	12·2	80	2310	...	...	...
3	--	...	...	...	...	...	...	...	...	...	...	·4	1·0	·7	...	...	...	--	2·1	14	190	...	...	...
4	--	...	...	...	...	·4	1·0	·9	·8	·4	...	·5	1·0	·3	...	·2	...	--	5·5	36	730	...	...	...
5	--	...	...	·9	1·0	1·0	1·0	1·0	·9	1·0	·7	·6	·8	·1	·1	·1	...	--	9·2	61	1990	...	...	...
6	--	...	...	1·0	1·0	1·0	1·0	1·0	·9	·7	·4	·1	·3	1·0	1·0	·5	...	--	9·9	65	1540	...	...	...
7	--	...	...	·2	1·0	·9	1·0	1·0	1·0	·9	1·0	·9	...	·8	...	...	...	--	8·7	58	1250	...	...	...
8	--	...	...	...	·9	1·0	·7	1·0	1·0	·9	1·0	·8	·1	...	·1	...	...	--	7·5	50	1240	...	...	...
9	--	...	...	·3	·8	1·0	·9	·1	...	...	...	·1	·6	·9	1·0	·6	...	--	6·3	42	640	...	...	...
10	--	...	·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	·7	...	--	13·5	90	3430	...	...	...
11	--	...	1·0	1·0	1·0	·4	·7	·2	·4	·8	·5	1·0	1·0	1·0	1·0	...	...	--	10·0	67	1860	...	...	...
12	--	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	--	0·2	1	110	...	...	...
13	--	...	·6	·9	·9	·8	·9	·8	·8	·6	·8	1·0	·9	1·0	·8	·5	...	--	11·3	77	1920	...	...	...
14	--	...	·4	1·0	1·0	·3	·3	·3	·4	·1	·1	·2	·3	·5	...	...	...	--	4·9	33	520	...	...	...
15	--	...	...	...	...	·5	·6	·3	...	...	·1	·1	...	·2	...	...	...	--	1·8	12	150	...	...	...
16	--	...	...	·2	·5	·3	·9	...	...	...	...	·5	...	...	...	...	...	--	2·4	16	230	...	...	...
17	--	...	...	·1	·4	...	...	...	·6	·6	...	...	·3	·2	...	...	...	--	2·2	15	370	...	...	...
18	--	...	...	...	·2	·2	...	·1	·3	...	...	·2	·3	...	·7	...	...	--	2·0	14	230	...	...	...
19	--	...	...	·2	...	...	·1	·6	·9	·5	·5	·9	·8	1·0	·7	...	...	--	6·2	43	1060	...	...	...
20	--	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·4	·8	1·0	·3	...	--	10·7	75	1950	68	1·28	Clear
21	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	1·0	·2	...	--	12·1	85	2440	...	...	...
22	--	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	12·6	89	2440	...	...	...
23	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	10	...	...	...
24	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...
25	--	--	...	...	·6	·7	...	·3	·8	·2	...	·8	·8	·6	1·0	·1	--	--	5·9	42	1020	...	...	...
26	--	--	...	...	...	...	...	...	...	·2	·8	1·0	1·0	1·0	...	...	--	--	4·0	29	570	...	...	...
27	--	--	·1	·9	·7	·2	·2	...	...	·1	·5	1·0	1·0	·6	·8	·2	--	--	6·3	45	980	...	...	...
28	--	--	·3	·7	1·0	·8	1·0	1·0	·8	1·0	·1	·7	·9	·1	·1	·2	--	--	8·7	63	1760	...	...	...
29	--	--	...	·7	1·0	1·0	1·0	1·0	·5	·8	·3	·7	·4	·8	...	...	--	--	8·2	59	1440	...	...	...
30	--	--	...	·2	...	·4	·1	...	...	...	...	...	...	...	...	...	--	--	0·7	5	100	...	...	...
31	--	--	...	·6	·2	·8	·7	·1	·5	...	·1	...	·6	·8	·4	...	--	--	4·8	35	290	...	...	...
Sum	--	...	3·8	13·5	17·2	16·7	17·1	15·1	15·8	14·0	12·1	16·4	16·5	16·0	12·4	4·7	...	--	191·3	--	33000	--	--	--
Mean	--	...	·12	·44	·55	·54	·55	·49	·51	·45	·39	·53	·53	·52	·40	·15	...	--	6·17	43	1060	--	--	--

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

507. KEW OBSERVATORY: h_s (height of recorder above ground) = 13·3 metres — SEPTEMBER, 1935

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	·2	...	...	...	...	...	...	·4	·2	...	...	--	--	0·9	7	80	...	...	...
2	--	--	·3	1·0	·2	...	1·0	·5	·8	·4	1·0	1·0	·8	·2	·5	...	--	--	7·7	57	1030	...	...	...
3	--	--	...	1·0	1·0	·5	·1	·6	·5	·6	·9	1·0	1·0	·8	...	...	--	--	8·0	59	1460	...	...	...
4	--	--	...	·2	...	...	·1	·4	1·0	1·0	·4	1·0	·8	·2	·3	...	--	--	5·4	40	1040	...	...	...
5	--	--	...	...	...	...	·8	·6	·9	·8	·9	·4	·1	...	...	...	--	--	4·5	34	620	...	...	...
6	--	--	...	·3	·9	1·0	·9	1·0	·9	·7	1·0	1·0	1·0	1·0	1·0	·1	--	--	10·8	82	1980	...	...	...
7	--	--	...	·4	1·0	1·0	1·0	·8	·9	·9	·9	·5	1·0	·4	·5	...	--	--	9·3	70	1760	...	...	...
8	--	--	...	·9	·9	1·0	1·0	1·0	·9	·9	·8	·7	·9	1·0	·1	...	--	--	10·1	77	1820	...	...	...
9	--	--	...	...	...	·1	...	...	·6	...	...	...	...	...	...	...	--	--	0·7	5	30	...	...	...
10	--	--	...	·5	·2	...	·2	1·0	·7	·8	·7	·9	·8	·9	...	...	--	--	6·7	52	770	...	...	...
11	--	--	...	...	·3	·7	·5	1·0	1·0	·6	·8	·6	·9	1·0	·3	...	--	--	7·7	60	1260	...	...	...
12	--	--	...	...	...	·6	1·0	·3	...	·5	·1	...	...	·2	·4	...	--	--	3·1	24	490	...	...	...
13	--	--	...	...	·2	·9	·9	·4	·5	·2	·6	...	...	·5	·2	...	--	--	4·4	34	770	...	...	...
14	--	--	...	·4	·8	·7	·5	·7	·6	·8	·5	·9	·8	·5	...	...	--	--	7·2	57	920	...	...	...
15	--	...	...	...	...	...	...	...	...	...	...	·2	·7	·9	...	...	--	--	1·8	14	200	...	...	...
16	--	--	...	·7	·9	1·0	·8	·1	...	...	·1	...	...	...	...	...	--	--	3·6	29	340	...	...	...
17	--	--	...	...	...	·2	·8	1·0	·8	·5	1·0	·9	·9	·9	·4	...	--	--	7·4	59	730	...	...	...
18	--	--	...	·5	·6	1·0	1·0	·9	·6	·8	·4	·2	·5	·2	...	...	--	--	6·7	54	1090	...	...	...
19	--	--	...	...	·1	...	·9	·8	1·0	1·0	1·0	1·0	1·0	·6	·1	...	--	--	7·5	60	1240	...	...	...
20	--	--	...	...	...	...	...	...	·2	·6	·3	...	·3	...	...	...	--	--	1·4	11	150	...	...	...
21	--	--	...	...	·4	·4	...	...	...	...	...	...	·5	·8	·3	...	--	--	2·4	20	320	...	...	...
22	--	--	...	...	·2	...	...	...	...	·1	·1	·6	·6	·4	...	...	--	--	2·0	16	230	...	...	...
23	--	--	...	...	1·0	1·0	1·0	1·0	1·0	·5	1·0	1·0	1·0	·9	·2	...	--	--	9·6	79	2340	79	1·60	Clear
24	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...
25	--	--	--	·3	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	1·0	·1	...	--	--	--	9·2	76	1990	...	...	...
26	--	--	--	...	...	...	·5	·8	·4	·1	·1	...	...	...	...	--	--	--	1·9	16	250	...	...	...
27	--	--	--	...	...	...	...	...	·3	·9	1·0	1·0	·3	·1	...	--	--	--	3·6	30	480	...	...	...
28	--	--	--	...	...	...	...	...	...	·3	·7	·7	·7	·2	...	--	--	--	2·6	22	280	...	...	...
29	--	--	--	...	...	...	...	...	...	...	...	·6	·9	·9	...	--	--	--	2·4	20	230	...	...	...
30	--	--	--	...	...	·1	·6	·4	·1	·2	·2	·1	...	...	...	--	--	--	1·7	15	170	...	...	...
Sum	--	--	0·3	6·2	9·8	11·4	14·6	14·3	14·6	14·2	15·5	15·2	16·9	12·9	4·3	0·1	--	--	150·3	--	24070	--	--	--
Mean	--	--	·01	·21	·33	·38	·49	·48	·49	·47	·52	·51	·56	·43	·14	·00	--	--	5·01	40	800	--	--	--

508. KEW OBSERVATORY: h_s = 13·3 metres — OCTOBER, 1935

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	1·0	1·0	·8	·7	·2	·2	·6	·6	·4	...	--	--	--	6·6	57	1230	...	...	...
2	--	--	--	...	·5	·6	...	...	·4	...	...	...	...	...	...	--	--	--	1·5	13	290	...	...	...
3	--	--	--	...	·2	·9	...	·5	...	...	·1	...	...	...	...	--	--	--	1·7	15	370	...	...	...
4	--	--	--	...	·7	·8	·8	...	·5	·2	·2	·1	·1	...	...	--	--	--	3·4	30	410	...	...	...
5	--	--	--	...	...	...	·1	·7	·5	·4	·2	...	·1	...	...	--	--	--	2·0	18	170	...	...	...
6	--	--	--	...	...	...	...	...	...	·4	·5	...	·4	...	...	--	--	--	1·3	11	240	...	...	...
7	--	--	--	...	...	...	·6	1·0	1·0	1·0	·9	·9	·7	·2	...	--	--	--	6·3	56	960	...	...	...
8	--	--	--	...	...	...	...	...	...	...	...	·4	·3	·7	...	--	--	--	1·4	13	150	...	...	...
9	--	--	--	...	...	·1	...	...	...	...	...	...	...	...	...	--	--	--	0·1	1	20	...	...	...
10	--	--	--	...	...	...	·3	1·0	1·0	1·0	1·0	1·0	·9	·9	·2	--	--	--	7·3	66	1510	...	...	...
11	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	·8	·7	1·0	·8	...	--	--	--	9·0	82	1770	...	...	...
12	--	--	--	...	·6	1·0	1·0	1·0	1·0	·9	·9	·8	1·0	·5	...	--	--	--	8·7	80	1920	73	1·93	Clear
13	--	--	--	...	·3	·3	...	...	...	·1	·6	·5	...	...	...	--	--	--	1·8	17	360	...	...	...
14	--	--	--	...	...	...	...	·1	...	...	...	...	...	...	...	--	--	--	0·1	1	10	...	...	...
15	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...
16	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...
17	--	--	--	...	·6	1·0	1·0	1·0	·5	...	·6	·2	...	...	...	--	--	--	4·9	46	700	...	...	...
18	--	--	--	...	...	...	·7	...	·6	·7	·9	·9	...	...	...	--	--	--	3·8	36	790	...	...	...
19	--	--	--	...	·6	1·0	1·0	·6	1·0	·9	·9	1·0	·8	·3	...	--	--	--	8·1	77	770	...	...	...
20	--	--	--	...	...	...	...	·4	...	...	·4	·2	1·0	·3	...	--	--	--	2·3	22	250	...	...	...
21	--	--	--	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	--	--	--	7·9	76	1630	69	2·12	Hazy
22	--	--	--	...	...	...	...	...	...	·1	...	·1	...	...	...	--	--	--	0·2	2	140	...	...	...
23	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	8·6	84	1670	...	...	...
24	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	10	...	...	...
25	--	--	--	--	·3	1·0	1·0	1·0	1·0	·8	·7	·7	·9	·2	--	--	--	--	7·6	76	1200	51	2·22	Hazy
26	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1	20	...	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
29	--	--	--	--	...	...	...	...	·2	...	...	...	·2	...	--	--	--	--	0·4	4	10	...	...	...
30	--	--	--	--	...	...	·2	·1	·1	·4	...	·1	...	...	--	--	--	--	0·9	9	200	..	...	...
31	--	--	--	--	·1	·1	...	·2	·7	·3	...	...	...	...	--	--	--	--	1·4	14	130	...	...	...
Sum	--	--	--	0·1	5·9	10·3	10·8	11·4	12·2	10·4	10·9	10·2	10·0	5·0	0·2	--	--	--	97·4	--	16930	--	--	
Mean	--	--	--	·00	·19	·33	·35	·37	·39	·34	·35	·33	·32	·16	·01	--	--	--	3·14	29	550	--	--	
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.

509. KEW OBSERVATORY: h_s (height of recorder above ground) = 13·3 metres NOVEMBER, 1935

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/cm^2	mw/cm^2		
1	--	--	--	--	...	...	...	...	...	...	...	...	...	·2	--	--	--	--	0·2	2	20	...	...	...
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	0	...	...	...
3	--	--	--	--	...	·8	·2	·9	1·0	1·0	1·0	1·0	...	...	--	--	--	--	5·9	62	330	...	...	...
4	--	--	--	--	...	...	...	...	...	·9	·6	·7	·1	...	--	--	--	--	2·3	24	140	...	...	...
5	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	10	...	...	...
6	--	--	--	--	...	·1	1·0	1·0	·9	...	...	...	...	...	--	--	--	--	3·0	32	620	...	...	...
7	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
8	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	10	...	...	...
9	--	--	--	--	...	...	...	...	...	·9	1·0	·9	·6	...	--	--	--	--	3·4	37	560	...	...	...
10	--	--	--	--	...	...	·2	·4	·4	...	·2	...	·1	...	--	--	--	--	1·3	14	50	...	...	...
11	--	--	--	--	...	...	...	...	1·0	1·0	1·0	·9	·3	...	--	--	--	--	4·2	46	610	...	...	...
12	--	--	--	--	...	·7	1·0	·3	...	·3	1·0	·4	·3	...	--	--	--	--	4·0	44	610	...	...	...
13	--	--	--	--	...	...	...	·1	·6	·8	·1	·3	·6	...	--	--	--	--	2·5	28	470	...	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	50	...	...	...
15	--	--	--	--	...	·8	1·0	...	...	...	...	·2	·8	...	--	--	--	--	2·8	32	40	...	...	...
16	--	--	--	--	...	...	·2	·6	·7	·1	...	...	...	...	--	--	--	--	1·6	18	340	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
18	--	--	--	--	...	...	...	...	...	...	·1	...	...	...	--	--	--	--	0·1	1	10	...	...	...
19	--	--	--	--	...	...	...	...	·3	·1	...	...	...	...	--	--	--	--	0·4	5	80	...	...	...
20	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
21	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...
23	--	--	--	--	...	...	·1	...	·8	·8	·6	·7	...	...	--	--	--	--	3·0	35	310	...	...	...
24	--	--	--	--	...	...	·8	1·0	1·0	1·0	1·0	1·0	...	...	--	--	--	--	5·8	69	590	...	...	...
25	--	--	--	--	...	...	...	...	...	·1	...	...	...	...	--	--	--	--	0·1	1	80	...	...	...
26	--	--	--	--	...	·1	1·0	·6	·2	·3	...	...	...	...	--	--	--	--	2·2	26	180	...	...	...
27	--	--	--	--	...	...	·9	1·0	1·0	·3	...	...	...	...	--	--	--	--	3·2	39	180	...	...	...
28	--	--	--	--	...	...	...	...	...	...	·3	·4	...	...	--	--	--	--	0·7	8	50	...	...	...
29	--	--	--	--	...	·1	·2	·2	·6	·9	1·0	·7	·1	...	--	--	--	--	3·8	46	650	...	...	...
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	0	...	...	...
Sum	--	--	--	--	...	2·6	6·6	6·1	8·5	8·5	7·9	7·2	2·9	0·2	--	--	--	--	50·5	--	5990	--	--	
Mean	--	--	--	--	...	·09	·22	·20	·28	·28	·26	·24	·10	·01	--	--	--	--	1·68	19	200	--	--	

510. KEW OBSERVATORY: h_s = 13·3 metres DECEMBER, 1935

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/cm^2	mw/cm^2		
1	--	--	--	--	...	...	...	...	·6	·4	·3	·1	...	...	--	--	--	--	1·4	17	270	...	...	...
2	--	--	--	--	...	·4	1·0	1·0	1·0	·9	·9	·6	...	...	--	--	--	--	5·8	71	970	...	...	...
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	10	...	...	...
4	--	--	--	--	--	...	...	...	...	·2	·6	1·0	·1	--	--	--	--	--	1·9	24	260	...	...	...
5	--	--	--	--	--	...	...	·6	1·0	1·0	1·0	1·0	...	--	--	--	--	--	4·6	57	380	26	3·60	Hazy
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
7	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
8	--	--	--	--	--	...	·2	·7	...	·2	·7	·3	...	--	--	--	--	--	2·1	26	230	...	...	...
9	--	--	--	--	--	...	...	·5	·6	...	...	...	...	--	--	--	--	--	1·1	14	120	...	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
15	--	--	--	--	--	...	...	...	...	·2	1·0	·6	...	--	--	--	--	--	1·8	23	100	...	...	...
16	--	--	--	--	--	...	·6	·6	·5	·9	·1	...	...	--	--	--	--	--	2·7	35	270	...	...	...
17	--	--	--	--	--	...	...	...	...	·2	...	...	...	--	--	--	--	--	0·2	3	80	...	...	...
18	--	--	--	--	--	...	...	·1	...	...	...	...	...	--	--	--	--	--	0·1	1	60	...	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
20	--	--	--	--	--	...	...	...	...	·2	...	...	...	--	--	--	--	--	0·2	3	210	...	...	...
21	--	--	--	--	--	...	...	...	·2	·8	1·0	·4	...	--	--	--	--	--	2·4	31	290	13	3·85	Fog
22	--	--	--	--	--	...	...	·5	1·0	1·0	1·0	·6	...	--	--	--	--	--	4·1	53	320	...	...	...
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
25	--	--	--	--	--	...	...	·1	...	·3	·2	...	...	--	--	--	--	--	0·6	8	30	...	...	...
26	--	--	--	--	--	...	...	...	...	·2	...	·1	...	--	--	--	--	--	0·3	4	10	...	...	...
27	--	--	--	--	--	...	...	·1	...	...	...	·6	·2	--	--	--	--	--	0·9	12	50	...	...	...
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
29	--	--	--	--	--	...	·2	·8	·1	·4	·2	·6	...	--	--	--	--	--	2·3	30	210	...	...	...
30	--	--	--	--	--	...	·3	·4	·3	·2	·1	...	...	--	--	--	--	--	1·3	17	50	...	...	...
31	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...
Sum	--	--	--	--	...	0·4	2·3	5·4	5·3	7·1	7·1	5·9	0·3	...	--	--	--	--	33·8	--	3920	--	--	--
Mean	--	--	--	--	...	·01	·07	·17	·17	·23	·23	·19	·01	...	--	--	--	--	1·09	14	130	--	--	--
Annual Total	...	3·8	25·9	65·5	95·6	119·5	133·2	139·9	149·7	144·8	146·1	143·5	127·2	96·8	69·3	42·5	7·7	...	1511·0	--	236650	--	--	--
Annual Mean	...	·01	·07	·18	·26	·33	·36	·38	·41	·40	·40	·39	·35	·27	·19	·12	·02	...	4·14	34	650	--	--	--
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.

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	240	3·0	220	3·0	235	2·9	255	3·0	260	3·0	255	3·6	255	3·1	245	2·5	245	2·0	225	2·6	220	4·0	235	3·7
2	315	1·8	20	2·2	10	1·7	355	1·9	330	1·3	280	0·4	230	1·0	250	1·6	310	2·7	295	2·2	305	2·7	305	3·0
3	320	1·9	320	1·5	310	2·0	320	2·5	320	2·3	310	2·5	300	2·0	300	2·0	280	1·5	265	2·5	265	2·5	(275)	(2·8)
4	265	3·7	275	4·0	275	2·6	275	2·0	270	2·0	315	3·6	305	4·5	290	3·5	300	4·2	310	5·7	320	6·1	320	6·5
5	325	4·5	325	4·3	290	3·0	300	4·0	315	4·5	300	3·9	300	4·4	300	3·3	290	3·2	300	3·5	310	4·3	320	4·5
6	315	2·7	330	2·4	315	2·5	320	2·5	340	3·5	345	3·6	345	3·5	345	2·7	345	2·9	355	4·0	10	3·9	5	5·0
7	10	4·0	10	4·9	10	3·5	360	3·0	350	2·4	360	4·4	355	3·6	340	3·2	350	3·2	345	2·5	350	5·0	360	5·2
8	360	1·9	25	3·2	25	3·8	40	4·4	40	3·7	50	4·0	50	2·9	45	3·0	35	2·9	40	2·4	90	2·2	120	2·4
9	55	0·3	340	1·6	345	0·2	220	0·8	130	1·0	190	1·4	130	1·5	130	1·5	140	0·5	75	1·1	140	0·2	200	0·3
10	215	0·8	195	0·8	230	0·1	220	0·4	215	1·0	205	0·7	200	0·7	195	1·9	195	1·9	190	2·7	200	3·3	195	4·3
11	215	1·5	230	0·8	200	1·5	200	2·5	200	3·5	210	4·5	215	4·9	210	5·0	210	5·6	205	6·3	215	7·0	220	9·5
12	250	5·7	250	5·8	255	5·6	250	4·3	250	5·0	250	5·8	270	5·6	275	6·9	270	3·9	280	4·0	300	7·4	305	7·9
13	215	2·5	220	1·9	220	2·0	215	2·1	225	2·1	230	1·6	215	1·9	215	1·9	210	2·0	255	1·0	250	1·5	250	1·9
14	280	3·4	300	4·4	300	4·5	310	4·8	310	5·6	310	6·1	310	5·9	315	4·9	310	5·6	315	5·4	320	5·5	320	5·6
15	340	2·2	345	2·5	305	2·0	280	1·6	265	1·8	265	1·5	265	1·7	310	1·9	325	3·0	315	2·4	330	0·6	215	1·5
16	250	1·0	255	1·5	250	1·2	245	1·0	250	1·5	255	1·0	250	1·0	---	0·0	290	0·2	280	0·6	270	0·7	265	1·5
17	335	2·0	330	1·6	340	1·0	330	1·9	360	1·2	10	3·5	15	3·6	25	3·6	25	4·7	20	4·0	20	5·6	10	4·4
18	30	5·0	30	5·5	30	5·6	40	6·5	40	6·5	40	5·5	45	5·6	50	5·6	55	6·6	55	7·9	55	7·0	50	7·5
19	40	4·9	35	5·0	40	4·2	50	4·5	45	4·0	50	3·2	50	3·8	50	4·1	45	3·5	40	5·0	45	4·6	50	5·4
20	25	2·7	15	2·1	20	2·7	15	3·1	15	3·5	35	3·5	10	2·5	15	2·1	5	2·5	20	2·8	10	3·5	20	4·0
21	350	2·5	350	2·6	350	2·7	345	3·1	335	2·5	345	3·0	350	3·5	350	3·5	345	3·6	350	3·9	355	4·9	355	4·3
22	305	1·5	315	3·0	325	2·7	325	2·7	335	2·8	340	3·0	345	2·8	350	2·9	5	3·4	360	4·3	5	4·5	10	4·6
23	260	0·7	230	1·0	230	0·7	225	0·9	215	1·3	220	1·4	235	1·0	260	1·3	275	2·4	275	2·3	250	2·0	265	3·2
24	245	2·0	245	2·3	255	2·3	215	2·0	200	1·8	210	2·3	230	2·1	225	1·7	215	2·2	225	2·0	230	2·5	250	3·5
25	230	6·4	240	7·9	250	7·5	230	9·0	240	9·5	240	9·9	240	9·8	230	8·5	250	9·8	255	9·7	260	8·4	260	7·5
26	280	5·0	275	5·0	275	5·6	290	6·9	330	10·5	330	12·0	335	10·0	325	9·4	325	9·1	330	9·1	335	9·9	340	11·0
27	345	6·4	340	8·0	345	7·4	345	8·1	340	6·5	340	7·0	340	7·3	340	7·3	345	7·8	345	8·4	350	7·0	350	6·9
28	360	3·5	360	4·0	350	4·5	360	4·9	360	5·2	355	5·3	360	4·0	350	5·0	355	4·4	360	3·7	360	4·5	355	4·5
29	305	0·2	320	0·4	310	0·6	325	0·4	300	0·2	295	0·6	335	0·7	335	0·5	330	0·4	310	0·7	195	0·8	220	0·2
30	350	0·2	190	0·5	215	1·3	225	1·0	220	1·0	190	1·4	220	1·6	220	1·6	220	1·9	230	1·9	225	2·8	225	2·8
31	265	2·1	265	2·5	280	2·1	295	1·7	310	2·0	310	3·3	305	4·1	310	3·6	310	3·3	315	4·8	320	5·3	320	6·4
Mean	---	2·8	---	3·1	---	2·9	---	3·1	---	3·3	---	3·7	---	3·6	---	3·4	---	3·6	---	3·9	---	4·2	---	4·6

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	260	3·8	260	4·3	250	3·7	255	4·4	260	3·9	260	3·5	255	3·4	245	3·3	235	4·6	245	4·8	260	5·5	255	5·8
2	270	7·9	260	8·6	265	7·1	265	7·2	260	6·0	260	6·7	260	8·1	255	8·7	255	8·9	255	7·5	255	6·4	260	6·0
3	255	3·5	270	3·4	270	3·5	270	2·5	265	3·0	260	2·9	240	2·5	230	3·2	235	3·2	235	4·0	235	6·4	245	6·0
4	250	5·0	255	5·0	260	5·5	260	5·7	260	5·8	260	6·4	270	5·9	270	5·0	5	3·4	310	2·0	300	2·9	305	2·9
5	305	2·0	320	2·5	320	2·0	320	2·9	325	3·9	310	2·9	290	3·1	280	2·7	270	2·0	280	3·6	290	4·1	305	6·2
6	195	5·8	200	4·0	215	2·7	250	1·5	5	7·0	15	7·3	25	9·5	45	11·6	40	11·9	45	12·0	45	11·7	40	10·5
7	55	9·0	65	7·9	45	5·7	30	4·4	30	4·8	25	4·5	30	3·9	40	3·5	30	3·8	20	4·0	25	4·1	40	5·5
8	15	3·3	15	4·0	20	3·8	30	4·0	50	5·0	50	4·1	45	4·3	35	4·1	45	4·9	50	5·8	55	6·9	65	7·1
9	40	5·3	40	4·6	30	3·5	30	4·4	40	5·0	40	4·2	40	4·5	45	4·9	45	5·0	50	4·9	50	4·8	55	6·5
10	335	1·2	335	0·9	320	0·1	320	0·2	220	0·5	255	1·1	235	1·3	220	2·1	250	1·5	235	2·5	220	2·9	225	3·0
11	260	3·5	265	3·7	260	2·2	260	2·5	255	1·7	255	2·2	255	2·0	250	1·7	225	1·8	245	2·0	255	2·6	265	3·1
12	225	5·5	220	6·4	230	7·5	225	6·9	220	6·8	220	6·7	225	6·5	230	7·1	225	8·4	230	8·0	240	7·2	230	7·3
13	220	4·2	220	3·4	225	4·9	220	5·2	215	4·6	215	4·8	215	5·7	210	6·7	210	6·8	210	6·6	225	5·2	220	5·1
14	255	6·0	250	5·6	245	4·5	250	3·9	250	4·8	245	4·9	255	5·5	260	5·7	255	5·3	270	5·7	265	6·3	285	8·0
15	265	3·5	255	3·4	235	3·4	240	3·4	210	3·2	220	2·3	220	2·6	220	3·4	215	4·2	210	5·0	200	5·4	210	7·2
16	255	9·4	260	8·7	255	8·8	255	8·8	250	9·4	260	10·3	255	11·0	250	11·1	255	10·2	245	10·0	245	11·0	245	10·2
17	300	8·9	290	6·1	270	4·6	270	4·9	270	4·8	265	4·3	265	5·2	265	4·8	270	4·9	275	4·8	270	5·0	265	6·3
18	220	2·8	225	3·7	225	4·6	220	4·5	210	5·0	220	5·7	225	4·5	225	4·6	230	4·7	225	5·4	230	6·4	225	5·8
19	220	8·2	225	7·5	225	7·0	220	7·9	215	7·9	215	7·7	220	8·3	220	8·1	220	7·7	220	8·4	210	8·3	210	8·1
20	210	6·9	210	7·4	210	7·5	205	7·3	205	7·8	205	8·7	205	10·4	205	11·1	205	11·0	205	10·6	210	11·2	205	12·6
21	205	7·0	205	6·7	215	7·5	220	11·2	225	9·0	225	10·8	230	8·9	240	7·8	235	8·1	235	8·8	245	9·9	245	10·0
22	205	8·7	195	8·3	190	8·2	185	9·0	185	9·0	185	8·8	200	9·3	205	5·9	220	5·1	220	5·2	225	5·5	240	4·8
23	340	0·8	300	0·6	270	1·1	250	2·1	230	3·2	230	2·9	235	3·9	245	5·2	250	6·4	255	6·5	260	6·4	280	5·9
24	140	0·7	320	0·8	110	0·5	165	1·4	200	1·1	195	2·0	215	2·0	210	1·0	185	1·8	200	3·7	205	5·5	190	5·5
25	220	6·5	215	7·0	220	8·5	210	6·4	210	6·6	195	5·6	205	6·8	235	2·1	220	1·8	185	4·3	210	9·0	250	8·1
26	15	6·0	15	5·9	10	6·7	10	6·5	5	6·7	10	6·8	5	5·0	355	5·0	350	4·8	350	5·2	350	4·5	5	4·3
27	160	4·3	165	5·2	165	6·8	155	8·2	160	8·8	155	10·0	160	10·8	165	11·9	145	8·7	150	8·1	155	7·0	155	6·4
28	195	3·3	190	2·9	195	3·2	200	3·3	195	3·9	190	3·4	190	3·1	190	2·5	200	3·2	200	3·4	210	4·6	215	5·1
Mean	---	5·1	---	4·9	---	4·8	---	5·0	---	5·3	---	5·4	---	5·6	---	5·5	---	5·5	---	5·8	---	6·3	---	6·5
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

JANUARY, 1935

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		
255	3·1	255	3·4	260	3·5	265	4·3	280	3·5	285	3·9	290	3·7	305	3·8	310	4·1	310	3·2	315	2·3	315	2·3	3·2	1
320	2·8	340	3·6	340	3·5	340	3·7	345	3·8	335	2·8	315	2·1	335	2·5	335	2·5	320	2·4	330	2·1	320	2·4	2·4	2
(280)	(3·0)	290	3·2	290	3·1	270	2·4	275	2·2	275	3·0	280	4·0	275	2·1	285	2·0	250	1·9	265	2·9	265	3·1	2·5	3
320	7·1	330	8·6	320	7·1	315	6·6	320	5·8	315	5·0	320	5·0	310	4·6	310	4·2	320	5·0	325	4·4	340	5·1	4·9	4
320	5·2	320	5·7	335	4·9	320	3·5	320	2·9	305	3·9	290	2·8	300	3·0	280	2·0	285	1·9	305	2·0	300	3·0	3·7	5
5	4·9	5	4·5	360	3·4	350	3·8	355	3·5	355	3·1	340	2·5	340	3·1	345	3·6	350	4·5	360	2·8	10	3·6	3·4	6
360	4·9	360	4·5	10	3·6	15	2·9	5	3·2	350	2·5	340	1·8	345	2·0	360	3·6	10	2·8	30	3·1	20	2·1	3·4	7
75	2·2	35	2·0	30	2·2	25	2·3	25	2·5	25	3·2	20	2·3	25	2·3	15	2·5	15	1·5	30	0·5	90	0·2	2·5	8
270	0·1	200	0·1	205	0·1	110	0·4	150	0·3	160	0·3	180	0·6	190	0·5	175	1·5	205	0·5	220	0·6	190	0·7	0·7	9
215	5·0	205	4·9	200	4·4	195	3·6	215	2·5	215	1·6	205	2·4	185	3·5	190	3·4	205	3·0	200	2·4	215	2·0	2·4	10
220	8·5	215	10·0	215	10·0	205	10·4	210	11·1	210	10·5	245	6·2	220	5·0	230	5·6	240	5·1	250	4·4	255	5·6	6·0	11
310	8·3	305	8·8	305	7·7	300	6·6	295	3·8	290	4·1	290	3·5	300	3·0	290	3·7	280	2·0	270	2·1	270	2·6	5·2	12
265	1·1	300	1·6	275	1·5	260	0·2	245	1·0	220	1·5	205	1·5	185	1·5	195	1·6	210	1·8	235	2·3	260	2·2	1·7	13
320	5·9	320	6·5	325	5·2	325	5·2	320	4·4	320	4·0	320	3·4	320	3·2	325	2·5	330	3·1	325	2·9	340	2·4	4·6	14
240	1·6	235	1·5	320	1·5	325	2·0	315	2·1	275	1·5	255	1·0	255	0·9	260	0·9	240	1·1	235	1·5	230	0·9	1·6	15
320	1·8	320	1·8	320	2·4	300	1·3	285	0·6	295	0·5	255	0·6	260	1·0	280	0·7	280	1·0	295	0·7	315	1·0	1·0	16
15	5·0	15	5·0	15	5·7	20	5·6	10	5·0	10	4·9	10	5·7	20	6·8	25	6·3	20	5·4	20	5·1	25	5·4	4·3	17
55	7·5	50	5·6	50	7·1	50	6·5	55	7·0	50	5·0	55	5·0	40	4·9	40	5·0	40	5·5	40	4·9	45	4·9	6·0	18
50	5·2	50	4·9	55	4·9	65	4·4	55	3·3	55	3·6	55	3·9	60	3·8	60	3·0	65	2·9	35	2·6	35	2·8	4·1	19
30	3·2	40	3·0	15	2·0	15	3·0	15	3·2	15	3·0	360	3·5	10	3·0	15	3·4	10	2·5	5	3·1	355	3·0	2·9	20
355	4·3	360	5·3	360	5·1	360	5·2	355	5·0	350	4·9	350	4·5	5	4·5	350	2·0	315	2·2	305	1·9	295	1·4	3·6	21
15	4·2	360	3·8	335	2·5	320	2·6	325	2·0	320	1·5	300	1·4	300	1·5	265	1·0	260	0·7	270	1·0	290	0·6	2·5	22
265	2·9	260	4·0	270	3·6	265	2·8	265	2·5	250	2·8	255	2·0	240	1·7	215	1·7	225	2·0	220	2·0	240	2·4	2·0	23
255	3·5	250	3·3	245	4·0	250	4·1	235	3·9	225	4·1	230	4·5	235	4·8	225	4·6	245	5·8	240	6·2	230	6·5	3·4	24
275	8·6	280	6·9	275	8·6	265	7·4	265	7·5	250	5·9	255	6·1	255	6·4	255	7·0	250	6·5	275	5·0	285	5·5	7·7	25
340	10·5	340	10·3	345	12·1	350	11·7	350	10·5	355	7·8	350	8·5	340	8·5	340	7·5	345	7·9	340	6·9	340	6·5	8·8	26
350	8·0	350	8·3	350	9·4	350	7·2	350	7·4	350	7·1	345	7·4	350	7·6	10	6·9	10	6·0	360	5·0	5	5·0	7·2	27
10	4·0	20	4·5	15	4·4	10	3·4	5	1·6	360	1·5	350	0·8	340	0·3	330	0·4	295	0·7	300	0·9	290	0·2	3·2	28
50	1·1	25	2·9	25	3·0	15	2·8	20	2·0	10	1·6	350	1·0	330	0·5	300	0·3	260	0·5	285	1·6	300	1·5	1·0	29
225	2·6	215	2·8	225	3·5	230	3·3	235	3·2	230	3·7	230	3·1	240	2·8	250	2·2	250	2·5	260	2·1	260	1·8	2·1	30
325	5·8	320	5·1	300	4·3	300	4·5	280	3·8	260	2·3	275	2·8	290	4·2	265	3·7	265	3·7	270	4·2	265	4·4	3·7	31
---	4·6	---	4·7	---	4·7	---	4·3	---	3·9	---	3·6	---	3·3	---	3·3	---	3·2	---	3·1	---	2·9	---	2·9	3·6	Mean

FEBRUARY, 1935

°	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
260	6·2	260	5·0	260	4·5	270	5·6	275	5·3	275	5·6	275	5·9	270	5·0	260	4·5	260	5·1	260	4·9	270	6·8	4·8	1
270	5·8	300	9·5	310	6·1	305	5·2	295	5·9	300	5·5	280	4·0	270	4·2	285	3·1	280	3·9	260	3·4	275	4·1	6·2	2
250	7·2	255	8·0	255	9·2	260	7·9	265	7·1	265	6·5	265	6·5	265	6·5	260	5·9	255	5·7	255	6·0	250	5·5	5·3	3
320	2·8	330	3·9	5	3·5	360	1·9	335	0·7	230	0·9	210	1·0	215	1·4	225	0·8	235	1·1	230	1·1	265	1·0	3·1	4
295	5·1	285	5·2	295	6·0	290	6·0	260	5·5	250	4·5	235	4·2	240	5·0	240	5·0	230	6·0	215	5·6	200	5·0	4·2	5
45	11·7	45	10·6	45	11·5	40	10·8	45	11·6	50	11·5	45	9·9	55	10·0	50	10·0	55	9·9	45	8·8	45	8·9	9·2	6
35	5·7	40	5·5	50	5·6	80	2·4	50	4·5	110	2·5	115	0·5	15	1·5	20	1·5	20	1·2	5	1·0	345	1·8	3·9	7
70	7·0	80	6·6	60	7·2	75	6·6	55	6·7	50	6·2	45	5·0	45	5·0	45	5·8	45	5·9	40	5·1	40	5·1	5·4	8
50	5·4	35	5·3	30	4·9	30	4·9	25	5·0	35	3·7	25	3·0	20	2·5	35	2·5	30	2·0	70	1·2	15	0·5	4·1	9
230	3·5	235	2·5	245	2·0	275	2·1	270	1·6	235	1·0	225	2·2	240	1·6	245	1·9	260	2·0	240	1·9	250	2·5	1·8	10
270	2·8	280	3·1	270	2·6	275	3·4	260	2·5	245	2·6	230	3·1	230	2·4	225	3·4	225	4·2	225	4·3	230	4·5	2·8	11
230	7·6	235	7·9	235	6·5	235	6·1	230	5·6	230	4·5	230	4·3	235	3·5	230	4·0	230	3·1	230	3·5	230	3·1	6·0	12
225	4·9	225	2·0	260	0·4	240	1·0	240	2·8	230	2·9	235	4·9	230	4·2	235	4·6	225	4·4	245	5·0	245	5·2	4·4	13
280	7·6	295	9·1	290	7·8	295	6·9	295	5·2	285	3·9	270	3·0	260	3·1	250	3·3	245	4·9	240	3·6	250	3·3	5·3	14
210	8·1	215	8·0	230	6·4	235	6·0	250	7·3	245	7·5	250	8·5	255	8·7	260	9·7	255	8·1	255	7·8	255	7·8	5·9	15
240	10·4	240	9·0	225	11·8	230	12·2	230	12·4	230	11·8	225	12·5	260	12·0	260	12·3	260	11·3	275	10·4	295	10·3	10·6	16
270	6·3	255	5·6	265	6·1	260	5·8	265	5·0	250	4·4	250	3·6	260	3·9	245	3·7	220	3·7	225	3·7	225	2·6	5·0	17
225	8·5	225	7·9	230	7·6	230	7·9	225	7·8	220	8·6	220	8·5	220	8·5	220	9·0	215	7·7	220	9·1	220	8·7	6·6	18
215	8·5	220	7·9	220	7·5	210	7·8	205	8·0	200	5·5	205	6·3	210	6·2	205	6·0	205	6·5	210	7·1	205	7·7	7·5	19
205	12·5	205	12·2	210	12·8	205	11·2	210	10·1	205	8·6	205	9·3	205	8·5	210	8·0	220	6·8	215	7·4	210	6·8	9·4	20
245	9·7	245	9·4	245	8·5	235	9·8	230	8·1	235	6·8	230	7·5	220	6·1	215	6·4	210	5·1	210	7·3	205	7·5	8·2	21
325	8·2	320	8·6	305	5·7	280	5·3	275	5·9	270	5·2	240	3·5	235	3·6	240	2·9	220	1·5	195	1·4	200	0·5	5·8	22
310	4·4	310	3·8	355	3·5	10	2·6	20	3·1	55	2·7	50	3·0	65	2·1	80	1·8	115	2·0	115	2·0	110	1·5	3·2	23
165	3·8	180	5·7	180	6·0	165	6·3	160	7·1	155	7·1	160	7·3	175	7·5	180	5·9	210	8·8	210	7·8	220	6·7	4·4	24
260	5·5	265	4·9	250	4·0	245	3·1	15	3·3	10	2·8	50	5·2	40	6·5	40	6·7	40	6·5	30	6·5	20	5·9	5·6	25
360	4·3	335	3·5	325	2·2	295	1·5	260	2·4	235	1·5	225	2·0	210	1·9	165	2·5	190	2·3	190	2·4	140	3·1	4·0	26
175	6·1	215	4·7	195	3·6	205	6·2	205	5·5	200	5·0	195	4·1	200	3·0	195	4·5	195	5·0	200	4·0	205	4·0	6·3	27
205	4·7	205	4·7	210	4·2	195	4·2	195	3·6	185	3·1	185	2·0	190	2·3	235	1·3	280	0·9	245	0·4	240	0·7	3·1	28
---	6·6	---	6·4	---	6·0	---	5·7	---	5·7	---	5·1	---	5·0	---	4·9	---	4·9	---	4·8	---	4·7	---	4·7	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

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	265	1·4	285	1·5	290	1·2	270	1·3	270	1·2	255	2·0	265	1·8	265	1·9	260	1·5	260	1·7	230	1·1	225	2·1
2	25	2·6	15	2·8	340	2·9	345	3·3	285	0·6	285	1·6	275	0·7	260	0·7	345	2·1	315	3·0	355	3·0	330	2·5
3	95	1·1	95	1·8	90	2·0	90	2·8	90	1·8	80	1·0	90	1·3	100	1·5	100	2·1	105	2·5	160	2·4	130	1·5
4	300	4·3	310	4·1	300	3·4	290	1·5	290	2·5	295	2·8	275	3·5	255	1·8	250	1·1	285	1·6	320	4·0	320	3·7
5	220	0·9	205	1·0	215	1·4	215	1·5	235	1·5	230	1·8	220	1·4	215	1·9	230	1·5	245	2·8	270	4·2	270	5·0
6	280	2·8	280	2·5	285	2·0	270	2·0	270	1·8	270	1·7	245	0·6	255	1·0	240	0·9	260	0·1	310	0·8	345	2·3
7	10	0·2	350	0·5	15	1·3	35	1·5	60	1·5	45	1·3	95	1·2	110	1·3	110	1·7	100	1·8	75	3·4	60	4·0
8	35	1·2	20	1·0	360	1·4	25	1·3	40	2·8	40	3·3	40	3·5	50	3·5	50	3·9	70	5·7	75	6·0	85	6·2
9	70	10·8	65	8·5	50	7·3	50	7·0	50	7·2	40	7·6	40	8·1	40	8·5	50	9·2	50	9·9	50	12·3	60	13·6
10	80	7·6	90	7·7	90	5·6	65	6·5	60	7·5	60	7·5	55	7·3	50	8·0	55	7·6	60	9·2	70	9·8	65	10·1
11	65	8·7	65	10·2	60	9·6	60	9·9	55	9·8	55	9·0	60	9·8	60	10·0	60	10·1	65	9·7	65	10·5	70	10·0
12	25	4·0	20	4·5	25	4·6	20	5·1	15	4·6	15	4·9	30	5·0	35	5·2	40	5·7	50	6·5	55	7·3	55	8·6
13	40	3·4	40	3·8	35	3·1	40	4·3	35	4·1	35	4·3	45	3·5	35	4·1	50	4·6	45	5·1	50	5·0	45	5·2
14	15	3·5	20	3·2	20	3·5	20	4·2	30	4·2	25	4·5	30	2·4	45	4·0	15	3·2	30	3·9	30	2·5	35	1·1
15	190	1·3	175	1·5	185	1·7	200	0·3	205	1·3	220	2·7	265	0·9	130	1·3	110	0·6	105	2·2	135	2·0	175	1·2
16	75	4·4	70	2·8	60	1·8	75	4·1	65	2·9	70	1·5	75	2·2	80	2·5	70	2·2	85	1·6	135	1·3	145	3·3
17	90	0·4	85	0·6	95	1·5	85	1·0	70	0·8	85	0·4	360	0·5	105	0·1	---	0·0	---	0·0	330	1·1	330	1·5
18	225	1·6	230	1·4	235	1·3	235	0·8	235	1·5	230	1·3	220	1·4	250	0·9	240	1·0	220	1·0	215	1·0	230	2·2
19	205	2·1	175	0·8	100	1·0	125	1·1	100	2·0	100	1·7	100	1·6	100	1·3	180	2·5	195	3·2	195	4·2	185	4·4
20	125	1·3	115	0·9	85	0·6	45	0·7	140	1·1	210	0·9	285	0·5	270	1·0	265	1·3	245	1·7	220	2·3	270	2·2
21	220	1·4	210	1·2	225	0·9	230	0·7	220	0·4	240	0·7	250	0·5	220	0·1	200	0·5	195	1·1	220	2·4	220	4·8
22	215	1·5	200	2·9	195	2·5	195	1·7	205	2·0	205	1·4	215	1·7	215	2·0	200	4·0	220	5·4	215	7·6	220	6·4
23	235	5·6	235	5·4	240	5·2	235	5·3	230	5·0	230	5·0	230	5·0	235	5·0	235	6·4	240	6·9	245	7·8	245	7·3
24	255	5·6	250	4·1	255	4·2	255	3·6	255	3·5	245	3·0	235	2·4	270	3·9	310	5·6	300	6·1	290	5·5	305	6·0
25	225	3·2	235	3·4	240	3·5	250	3·9	245	3·0	250	3·9	260	3·3	240	4·9	245	4·5	255	5·2	265	5·0	260	5·8
26	210	2·5	215	1·8	210	2·3	220	3·0	250	2·2	255	2·4	265	3·0	270	3·3	250	3·0	245	3·0	245	3·4	245	3·2
27	260	1·5	250	1·4	220	1·9	240	0·7	260	2·7	265	2·5	245	2·4	265	1·5	275	2·8	320	4·5	335	4·8	325	4·7
28	240	1·1	275	1·0	245	1·5	245	1·8	250	1·5	240	1·7	250	1·5	240	1·6	265	1·5	245	1·5	240	1·8	245	2·9
29	285	1·0	260	0·6	270	1·6	280	2·0	280	2·7	280	2·2	285	2·4	335	2·5	350	4·2	20	5·1	25	6·3	20	5·8
30	135	1·8	180	1·6	220	1·6	205	2·2	215	1·8	200	1·5	190	2·4	190	2·4	195	2·9	200	3·8	215	6·5	220	7·0
31	250	3·5	260	3·9	260	3·0	275	2·9	280	2·2	285	2·6	285	3·1	280	3·3	280	3·5	275	3·5	270	3·9	270	4·6
Mean	---	3·0	---	2·9	---	2·8	---	2·8	---	2·8	---	2·9	---	2·7	---	2·9	---	3·3	---	3·8	---	4·5	---	4·8

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	255	3·5	255	2·8	255	2·4	275	3·0	275	2·5	315	2·8	305	3·3	315	3·8	310	4·0	300	5·0	295	5·1	295	6·6
2	315	4·0	310	3·9	320	5·1	330	5·9	330	6·6	340	6·4	335	6·6	335	7·4	335	7·4	345	8·5	350	9·0	345	9·4
3	310	3·3	315	3·8	320	4·0	325	4·0	330	4·0	330	4·1	335	4·5	340	7·0	350	8·5	350	7·7	350	7·9	340	7·2
4	280	2·6	270	2·9	250	3·4	240	3·1	245	4·0	240	4·1	245	4·0	245	5·0	250	5·5	250	5·3	280	6·4	320	4·6
5	270	4·1	270	3·6	265	3·4	255	3·6	260	3·5	250	3·2	255	3·7	265	4·4	265	4·7	285	7·0	280	7·4	290	7·0
6	260	4·0	260	4·5	260	4·8	260	4·3	240	3·5	235	3·9	250	4·8	260	4·9	265	5·9	270	6·0	285	7·8	270	7·5
7	165	3·9	145	4·4	125	5·0	135	5·2	220	6·5	240	7·1	255	8·7	270	9·4	280	8·4	285	7·6	285	8·4	285	6·2
8	180	4·0	230	5·0	305	5·8	285	5·7	280	5·0	265	4·3	260	4·1	265	5·1	265	5·4	255	5·5	245	4·6	245	3·9
9	130	3·2	160	3·4	195	4·3	225	5·7	235	6·2	230	6·4	230	6·5	220	8·2	220	7·5	220	8·6	225	9·3	230	9·9
10	210	10·0	220	10·0	215	11·0	215	11·0	210	11·1	210	11·4	215	10·4	210	9·1	220	9·7	225	10·9	230	10·3	225	12·0
11	225	10·0	230	9·6	225	9·2	230	10·1	230	9·5	220	12·0	225	10·9	230	10·0	240	10·3	250	7·2	240	6·6	245	7·0
12	345	0·1	85	0·1	340	0·3	25	1·0	35	2·0	25	2·5	45	4·3	55	4·5	45	6·5	50	6·5	60	6·1	50	5·0
13	320	1·4	290	1·5	280	1·4	310	0·9	200	0·6	220	1·4	210	0·8	---	0·0	105	1·6	125	2·6	180	3·2	165	3·8
14	190	1·6	200	1·2	250	0·6	270	0·8	280	1·4	265	1·8	240	1·5	240	1·5	220	2·0	245	2·0	245	1·7	230	2·6
15	340	0·2	330	0·2	225	0·5	220	1·5	230	1·2	220	1·6	215	0·8	220	0·2	230	0·8	225	1·6	230	2·6	230	3·4
16	140	6·2	130	5·8	145	7·8	160	7·4	170	4·9	200	7·0	220	7·8	240	8·5	245	9·3	255	8·5	250	9·4	245	8·6
17	190	6·0	200	5·9	190	3·6	190	3·9	180	3·3	175	3·5	185	3·5	210	3·9	235	4·8	295	3·9	290	4·5	275	4·5
18	240	5·3	240	5·6	245	5·2	245	6·0	260	7·3	250	5·5	245	5·9	250	7·0	270	8·0	260	6·9	255	6·9	270	7·7
19	195	5·1	200	6·3	215	7·6	215	6·8	215	7·4	220	6·9	225	6·0	230	7·0	230	6·5	235	6·4	235	5·4	230	5·5
20	145	1·3	75	1·3	115	2·7	100	4·0	95	5·0	90	4·0	90	4·3	95	3·9	110	5·0	115	5·3	165	4·8	190	3·6
21	155	3·4	160	3·5	165	3·8	130	2·3	135	3·5	150	3·5	145	3·6	180	4·9	180	6·5	180	7·1	180	8·0	185	6·9
22	175	3·2	190	4·0	190	2·5	160	2·5	155	3·0	160	3·8	165	3·5	185	3·8	185	4·7	180	5·5	190	5·3	195	6·0
23	50	0·6	20	0·5	30	1·4	20	1·1	20	1·4	60	0·9	20	0·3	10	0·1	55	0·3	25	0·6	30	0·6	5	2·5
24	40	2·6	30	3·5	30	3·1	35	3·3	25	3·6	30	4·4	30	5·0	30	5·9	30	5·6	25	5·9	20	6·5	30	6·5
25	350	3·1	350	3·3	335	3·7	340	3·4	330	3·5	330	3·9	345	3·8	355	4·6	360	5·1	360	5·0	360	5·9	5	4·8
26	25	5·0	20	5·2	20	5·5	25	5·4	25	6·0	30	6·7	35	6·9	35	6·5	30	6·5	20	6·2	25	7·2	25	8·6
27	25	5·4	25	5·2	25	5·2	25	6·1	25	5·8	20	5·8	25	5·7	25	5·2	25	5·2	35	6·1	30	5·4	25	5·5
28	20	4·3	20	4·8	25	5·1	25	5·9	25	5·0	20	5·1	25	5·1	30	5·4	20	4·5	20	4·6	25	5·0	20	4·8
29	200	1·8	235	1·0	245	0·7	255	1·2	270	0·8	270	0·1	170	0·2	205	1·1	225	2·0	245	2·1	225	2·1	235	2·2
30	240	2·6	245	2·2	245	1·0	245	1·3	250	1·8	260	2·3	290	1·8	270	1·4	290	1·0	310	0·5	255	0·4	200	1·9
Mean	---	3·7	---	3·8	---	4·0	---	4·2	---	4·3	---	4·5	---	4·6	---	5·0	---	5·4	---	5·6	---	5·8	---	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) = 5 metres + 23 metres

MARCH, 1935

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	2·6	195	3·1	195	3·4	190	4·0	170	3·5	135	2·2	110	2·8	105	3·5	105	3·0	110	2·6	120	2·2	60	1·2	2·2	1
340	2·0	340	2·8	340	1·4	320	2·0	25	1·4	50	1·5	35	0·6	355	0·7	140	0·8	140	1·5	135	1·3	95	0·7	1·8	2
85	1·3	70	3·0	100	1·8	105	2·6	100	2·4	90	1·6	300	1·7	300	0·8	280	1·6	300	1·5	285	2·5	310	3·8	1·9	3
295	3·4	275	2·8	315	2·4	320	3·4	300	3·5	275	1·9	290	1·2	255	0·7	200	1·1	220	1·6	220	1·5	215	1·4	2·5	4
245	4·4	260	5·7	265	5·4	260	4·5	255	3·5	250	3·4	255	2·8	260	3·0	265	3·5	270	2·8	270	3·1	275	3·1	2·9	5
5	3·0	345	3·4	340	2·3	40	3·6	50	2·4	15	0·2	335	1·0	340	0·9	340	1·5	345	1·5	5	1·5	10	1·8	1·7	6
50	4·2	65	4·0	70	4·3	60	3·9	60	3·9	110	3·0	110	3·1	100	2·4	90	1·5	85	2·2	80	2·5	80	1·0	2·3	7
75	6·1	55	5·5	60	7·0	55	7·5	55	7·3	50	7·5	45	7·1	35	6·5	35	7·4	55	8·8	65	9·3	75	10·0	5·4	8
60	13·5	65	12·7	60	12·9	55	11·8	55	10·7	50	10·0	60	9·5	65	10·0	75	10·0	85	8·3	90	8·8	90	6·2	9·8	9
70	9·8	60	10·1	55	11·2	55	10·6	60	9·8	50	9·3	50	9·0	50	7·8	50	8·2	60	8·3	70	9·1	70	9·0	8·6	10
55	9·0	70	10·0	50	9·1	60	9·1	60	8·3	60	7·5	50	5·9	30	3·9	20	3·0	35	4·0	40	3·0	35	2·9	8·0	11
55	9·1	55	8·5	55	7·5	40	7·9	40	8·0	40	7·6	50	7·5	50	7·6	50	6·0	45	4·8	35	4·1	40	4·0	6·2	12
50	6·2	60	6·5	80	5·8	70	5·5	95	5·3	90	5·5	85	5·2	75	3·0	60	3·8	30	2·9	20	3·0	25	2·7	4·4	13
20	1·6	360	0·8	---	0·0	240	0·2	210	0·8	220	1·4	210	1·3	200	2·1	210	1·7	185	1·9	185	2·1	190	2·0	2·3	14
165	1·7	165	2·6	140	3·1	140	3·2	125	3·4	100	3·6	105	2·8	90	3·8	85	4·5	95	4·3	90	4·8	80	4·6	2·5	15
165	3·1	155	2·7	180	4·5	180	4·5	185	5·0	175	4·1	165	3·9	155	2·7	165	2·4	170	1·5	155	0·8	95	0·8	2·8	16
335	2·1	5	0·7	275	1·5	255	1·7	310	2·8	310	1·5	300	2·2	290	2·0	280	1·5	270	0·6	250	0·9	285	1·2	1·1	17
255	3·3	270	4·3	270	4·0	245	3·0	225	2·9	205	2·5	200	3·1	205	3·2	195	2·7	195	2·3	195	2·5	200	2·4	2·1	18
185	5·3	180	4·7	180	4·7	165	5·0	145	4·7	140	3·5	130	4·0	135	4·3	150	2·0	140	2·6	50	1·3	120	0·9	2·9	19
230	2·7	275	2·3	245	1·9	240	2·9	240	2·9	240	2·3	195	3·1	205	2·3	225	1·3	230	1·7	240	1·5	225	1·5	1·7	20
215	4·7	215	4·5	215	5·0	215	5·1	225	4·8	210	4·3	210	4·3	205	3·5	215	2·9	215	2·4	215	2·5	200	2·2	2·5	21
220	6·6	220	5·2	200	6·5	210	8·1	220	9·6	260	6·3	220	5·7	220	5·5	245	4·6	220	4·6	230	5·4	225	5·5	4·7	22
215	7·7	215	8·2	220	8·0	230	8·1	230	8·0	225	8·1	235	6·5	250	7·1	255	6·6	260	6·7	260	6·1	255	5·7	6·5	23
285	5·8	285	5·1	290	5·3	290	5·7	285	4·0	285	2·3	270	2·6	260	2·6	250	2·8	235	2·6	225	2·0	225	2·3	4·0	24
255	5·9	275	6·0	265	6·2	260	4·5	260	5·2	270	5·6	255	3·1	255	4·1	260	3·9	260	3·2	245	3·0	235	2·9	4·3	25
240	4·0	220	3·9	230	3·1	280	4·1	280	2·7	260	3·1	255	2·2	250	2·5	250	3·0	255	3·0	245	3·0	235	1·7	2·9	26
345	4·3	350	3·3	5	3·0	25	2·9	20	2·4	360	1·5	355	1·1	155	0·8	175	1·1	185	1·1	195	2·4	210	1·9	2·4	27
265	3·2	265	3·7	280	2·9	280	3·4	300	3·5	330	2·2	330	0·9	310	0·8	310	0·6	230	1·4	235	1·8	245	1·8	1·9	28
25	5·9	30	5·1	20	4·9	25	5·5	20	4·6	45	4·8	120	3·5	125	2·7	115	3·5	120	2·9	110	3·0	135	3·0	3·6	29
220	5·8	225	6·1	225	5·2	225	4·6	225	3·7	225	4·5	225	3·9	220	4·1	230	4·3	225	4·7	230	3·2	235	3·0	3·7	30
275	5·1	270	4·9	270	5·0	265	4·9	270	4·8	270	4·7	275	3·5	270	2·8	245	2·6	250	2·4	255	3·4	265	3·2	3·6	31
---	4·9	---	4·9	---	4·8	---	5·0	---	4·7	---	4·1	---	3·7	---	3·5	---	3·3	---	3·2	---	3·3	---	3·0	3·7	

APRIL, 1935

°	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	6·9	305	7·0	305	7·1	315	7·5	310	6·4	295	5·0	295	5·0	315	4·9	310	5·5	310	5·0	350	5·5	320	3·4	4·7	1
340	9·2	335	8·3	340	8·8	350	7·0	340	5·0	345	4·8	345	3·6	320	2·7	325	2·8	320	4·4	320	3·0	310	3·2	6·0	2
355	7·7	355	7·1	340	8·3	360	8·0	355	5·0	330	4·0	335	3·0	325	2·1	310	1·6	280	2·1	280	2·6	265	2·5	5·0	3
330	4·0	10	3·5	375	2·0	315	4·4	325	4·0	345	5·0	335	3·5	330	2·5	295	2·0	260	2·8	270	3·5	280	4·1	3·8	4
300	4·1	275	7·0	270	8·0	295	4·8	275	7·3	275	7·7	270	4·4	295	4·3	300	3·5	280	3·3	280	3·5	260	3·5	4·9	5
270	7·4	275	7·4	280	7·1	285	5·2	270	5·2	260	3·3	240	2·0	225	3·1	200	2·5	180	2·5	170	2·5	145	3·0	4·7	6
270	4·8	250	4·8	225	6·5	200	2·2	220	3·2	210	3·5	195	2·5	190	1·9	215	4·4	205	4·4	195	3·8	180	3·5	5·3	7
295	4·8	275	2·0	255	2·0	215	2·5	185	1·5	200	1·5	210	3·0	205	4·0	215	4·9	185	2·6	145	2·3	125	3·1	3·9	8
230	10·1	230	9·0	230	8·6	235	6·9	220	6·0	215	6·5	215	6·6	215	6·9	225	8·2	225	8·1	215	9·5	215	8·8	7·3	9
225	11·8	225	12·5	225	13·2	225	12·5	225	12·2	225	11·6	225	11·6	225	11·5	225	10·6	225	10·3	225	10·7	230	8·7	11·0	10
250	9·0	270	8·7	265	8·5	265	8·5	270	6·7	270	6·3	270	4·9	260	2·5	245	2·1	240	1·5	220	0·7	250	0·3	7·2	11
40	5·3	40	5·9	35	5·5	25	6·7	25	7·1	25	8·4	25	7·9	20	5·8	20	5·5	30	3·6	25	2·0	345	1·5	4·3	12
160	4·5	175	4·8	180	6·0	175	6·1	165	5·5	140	5·1	150	4·5	160	3·7	155	2·5	165	2·1	160	2·3	180	1·6	2·8	13
280	3·0	305	1·5	280	2·5	235	2·4	230	3·3	225	4·4	205	3·6	175	2·4	165	2·0	125	1·5	155	0·5	230	0·6	1·9	14
220	4·2	225	4·1	215	4·4	220	5·0	225	4·9	265	2·6	215	4·8	185	3·5	180	4·3	175	4·2	150	3·4	135	4·9	2·7	15
245	8·9	240	8·0	235	8·4	235	8·5	220	8·0	230	8·1	220	7·2	205	6·4	210	5·9	205	5·8	200	6·0	190	6·1	7·4	16
270	5·1	265	6·0	260	6·0	255	5·9	260	6·4	265	6·1	240	6·5	225	6·4	220	6·1	225	5·0	230	4·0	230	4·3	5·0	17
260	7·5	250	7·1	235	6·3	210	7·4	195	4·0	195	5·2	215	6·3	205	5·9	205	5·1	210	6·7	210	6·8	210	8·5	6·3	18
215	7·7	215	5·1	225	6·6	225	7·7	235	7·9	225	5·9	215	4·8	200	3·2	190	2·2	175	2·6	165	2·4	140	1·9	5·6	19
170	3·4	165	4·3	135	2·0	160	2·4	175	3·4	195	5·4	180	2·5	175	2·1	180	3·9	170	4·0	155	3·0	150	3·1	3·5	20
180	7·1	175	6·4	185	7·2	185	7·2	185	7·5	190	7·2	190	3·8	175	4·3	170	3·1	155	1·3	160	3·8	175	4·0	5·0	21
195	8·0	195	6·8	195	6·3	200	4·5	200	5·1	205	4·5	205	4·0	190	2·1	170	2·9	160	1·1	150	0·9	100	1·0	4·0	22
20	2·4	325	3·1	330	2·3	20	2·8	50	4·8	80	4·2	100	4·5	90	4·2	85	4·5	55	2·2	40	2·4	20	2·5	2·1	23
25	6·8	25	6·5	30	6·4	30	5·9	25	6·4	15	7·0	10	6·3	40	4·0	35	4·0	30	4·5	25	4·1	15	4·0	5·1	24
355	6·0	360	6·3	350	4·2	335	4·0	325	3·3	360	4·4	15	5·7	20	5·8	20	6·0	20	6·1	15	6·4	20	6·3	4·8	25
25	9·0	30	8·2	30	7·5	35	7·2	30	6·9	30	6·4	30	6·0	35	5·9	35	5·7	30	5·4	25	4·9	25	5·2	6·4	26
30	5·7	30	6·0	25	6·5	25	6·4	25	5·4	25	5·4	30	5·9	35	6·2	30	5·5	30	6·1	35	5·4	30	5·5	5·7	27
25	3·6	15	4·4	15	3·9	15	3·2	25	3·2	35	3·0	40	2·7	70	1·5	45	2·2	90	2·3	140	2·3	165	2·0	3·9	28
270	2·3	250	3·1	235	2·5	250	2·3	265	2·4	255	1·3	190	0·4	240	2·0	225	2·4	225	3·3	220	3·0	230	3·0	1·8	29
205	2·4	220	1·0	90	1·4	140	0·8	150	3·0	95	3·8	115	2·7	150	3·3	115	2·1	125	2·4	125	2·9	135	3·0	2·0	30
---	6·1	---	5·9	---	5·9	---	5·5	---	5·4	---	5·3	---	4·7	---	4·2	---	4·1	---	3·9	---	3·8	---	3·7	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

Direction 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	130	2·7	115	3·3	105	3·7	100	4·6	115	4·2	115	3·2	115	3·1	120	2·9	125	2·8	125	2·6	145	2·6	175	2·4
2	95	2·8	75	1·0	95	1·8	70	1·1	85	1·5	85	1·4	125	1·6	180	3·5	185	4·5	180	4·5	185	5·1	195	5·1
3	110	1·4	100	1·1	85	1·0	80	1·6	90	1·9	95	1·3	100	1·3	140	1·5	140	4·4	135	5·1	130	7·3	135	6·7
4	80	5·3	80	5·0	75	5·6	80	6·3	85	6·6	85	5·5	85	5·8	90	6·0	90	5·9	85	5·4	80	6·4	90	7·8
5	245	0·1	180	0·1	215	0·9	250	0·5	215	0·1	205	0·1	---	0·0	205	0·3	295	0·1	30	0·8	340	1·1	315	0·8
6	20	0·1	10	0·1	300	0·1	15	0·2	20	0·5	5	0·7	10	1·5	30	2·5	20	1·8	20	3·1	30	4·5	35	4·2
7	15	1·5	25	2·2	25	1·8	25	2·8	20	2·8	25	2·6	20	3·0	25	1·9	40	3·6	60	5·2	55	5·0	55	5·5
8	30	4·8	40	5·6	45	6·0	45	4·9	35	4·9	45	3·8	30	5·0	35	5·0	45	6·0	50	6·0	45	5·2	30	4·5
9	35	5·0	40	4·4	30	4·9	35	5·3	35	5·2	40	5·7	45	6·4	45	6·0	50	5·6	55	6·0	50	6·9	60	7·2
10	40	5·5	45	5·8	50	7·0	50	6·0	50	6·2	50	5·5	55	6·5	55	7·4	60	8·4	70	8·9	70	10·2	80	9·9
11	55	6·3	55	6·6	60	6·2	55	6·7	45	6·4	45	6·6	40	6·2	40	6·3	40	6·5	40	6·5	55	6·7	45	6·9
12	45	4·7	45	4·9	45	6·5	45	5·8	40	6·7	40	7·0	40	7·4	35	8·0	50	7·1	35	7·2	35	6·9	25	6·1
13	20	4·1	25	3·5	20	3·5	15	3·0	15	3·5	15	4·0	15	4·8	35	5·9	35	5·0	50	3·8	35	3·7	25	4·0
14	235	2·1	235	2·5	235	2·2	235	1·5	280	1·0	295	1·0	290	1·2	5	4·7	20	5·5	25	7·5	25	7·2	25	6·6
15	360	9·8	10	8·7	15	8·4	25	8·0	40	6·3	55	5·1	25	6·5	25	7·5	30	8·2	30	8·2	20	8·8	25	6·1
16	240	3·2	285	1·6	325	1·9	280	1·5	15	4·3	20	6·9	20	7·4	20	7·5	15	6·4	20	8·6	15	7·9	10	7·1
17	265	0·2	245	0·5	230	1·5	210	1·2	205	1·2	200	0·6	220	0·2	210	1·1	210	4·3	195	5·5	205	5·4	200	6·4
18	45	4·7	45	3·9	25	3·4	30	2·0	15	3·0	25	4·1	20	5·0	25	6·4	25	5·0	15	5·7	20	5·9	20	5·6
19	235	1·1	235	1·5	240	0·7	225	1·2	215	1·1	215	0·5	225	1·2	240	2·8	235	2·8	235	3·4	230	4·1	215	5·7
20	200	2·7	200	1·9	215	1·0	220	0·6	195	0·4	210	1·6	210	1·8	205	2·0	215	3·2	205	3·4	195	4·1	185	5·2
21	50	2·9	55	2·8	50	3·4	50	2·0	60	2·1	55	3·0	50	5·0	50	6·8	50	7·4	50	7·5	55	7·3	55	7·5
22	50	6·5	40	5·0	45	5·4	40	5·1	45	5·3	45	6·0	50	7·2	50	8·9	60	8·6	50	7·5	50	6·5	50	7·6
23	35	7·0	35	8·1	30	7·5	30	6·2	30	5·2	35	5·3	35	6·5	35	7·2	30	7·6	30	9·0	35	9·9	45	10·3
24	30	6·3	45	6·6	35	6·9	30	4·9	40	6·9	40	7·6	45	7·1	40	7·5	45	9·0	55	10·5	50	11·2	50	11·0
25	35	8·1	45	7·8	50	7·1	50	7·3	50	6·9	50	7·2	50	6·4	50	5·0	50	5·0	50	5·1	60	6·9	70	5·0
26	35	5·5	35	4·5	45	4·8	30	4·0	30	4·0	30	6·0	30	5·7	30	5·4	25	5·7	30	5·2	40	5·6	40	5·0
27	25	3·7	30	3·5	30	4·3	30	5·4	35	6·5	30	5·2	25	5·0	30	5·2	25	4·9	25	3·9	15	4·8	30	4·7
28	355	1·6	360	2·8	5	1·0	350	0·3	360	0·9	20	1·0	20	2·0	10	1·7	35	2·5	35	2·0	5	0·3	355	1·5
29	45	4·3	45	4·1	45	4·9	30	3·9	30	2·9	20	3·0	30	4·8	25	5·0	30	5·2	25	5·0	15	5·0	20	5·5
30	25	4·3	25	4·9	25	4·3	25	4·5	25	4·6	25	4·9	20	3·5	10	3·5	30	4·5	35	3·9	35	2·9	65	4·1
31	110	0·8	60	1·0	50	3·0	45	3·9	60	3·0	40	2·7	40	2·6	40	2·6	50	2·6	45	2·0	40	1·8	40	2·1
Mean	---	3·8	---	3·7	---	3·9	---	3·6	---	3·7	---	3·8	---	4·2	---	4·8	---	5·2	---	5·5	---	5·7	---	5·7

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	245	1·6	270	1·0	275	0·6	225	0·1	165	1·1	190	1·8	180	1·3	180	1·5	190	1·5	200	2·0	180	1·5	195	2·4
2	105	3·2	105	2·5	110	1·5	95	1·7	110	1·0	135	0·7	165	2·5	195	2·2	215	2·2	215	3·1	215	3·5	215	5·0
3	230	2·4	225	1·5	235	2·5	230	2·6	230	3·0	230	2·7	230	3·4	230	3·8	225	3·0	245	3·0	225	5·0	305	3·0
4	205	2·2	200	1·5	200	1·8	185	2·4	185	2·5	175	2·5	165	3·4	180	4·3	180	4·5	180	4·4	185	5·1	185	6·2
5	165	1·5	105	1·1	95	1·3	90	1·0	95	1·4	105	1·5	70	0·8	330	1·1	265	2·1	235	3·5	200	3·7	190	3·2
6	235	3·2	240	3·2	245	3·4	240	3·2	230	3·5	240	2·5	230	4·5	240	4·0	240	5·7	230	6·2	225	7·5	220	8·0
7	205	7·2	205	6·7	205	6·5	205	6·6	205	7·0	205	7·5	205	7·5	205	8·0	200	7·2	195	7·6	200	8·5	205	10·4
8	225	7·2	225	8·1	225	7·8	225	6·5	225	7·6	225	7·8	230	6·0	245	5·5	230	5·3	250	7·3	255	8·0	250	7·2
9	235	1·6	230	1·6	220	0·7	210	0·5	200	1·2	195	0·2	155	0·1	75	0·5	135	1·4	175	2·5	175	2·6	170	3·3
10	90	6·0	360	1·6	25	2·8	75	3·5	85	4·3	85	4·0	85	3·0	105	2·8	100	3·8	125	2·0	180	1·9	215	4·5
11	170	2·6	180	2·4	185	3·0	190	2·9	200	2·7	200	3·3	205	4·1	205	4·6	210	6·2	195	5·5	210	7·3	220	9·3
12	210	5·0	210	4·4	205	4·4	205	4·5	205	4·7	210	4·5	220	6·8	215	6·9	205	7·7	200	6·8	205	7·0	215	8·3
13	185	3·4	180	3·0	200	4·9	195	4·7	205	6·3	210	5·8	210	4·5	215	6·7	225	6·5	225	7·2	235	6·8	225	6·6
14	170	3·2	180	3·2	200	3·0	215	4·8	205	4·1	205	3·0	220	4·9	230	4·0	220	5·0	215	6·1	210	6·3	200	7·1
15	215	1·7	240	1·2	220	1·5	195	2·5	245	0·9	190	2·3	215	4·9	225	4·5	225	4·4	215	4·4	215	3·4	230	4·4
16	250	2·6	240	2·7	240	3·0	240	3·7	235	3·0	225	4·0	235	3·6	240	4·5	235	4·9	240	4·7	250	4·2	235	5·8
17.	230	4·9	235	4·0	230	4·4	235	4·0	240	4·8	240	4·5	235	3·4	260	3·6	250	3·8	230	4·4	230	5·2	225	5·6
18	130	3·5	135	2·6	180	2·9	210	4·4	220	5·3	215	5·9	215	5·8	220	6·0	220	5·8	225	5·8	230	5·8	230	6·3
19	25	1·4	35	2·4	35	1·7	10	1·1	40	1·5	55	2·0	75	1·8	90	1·6	105	2·0	135	2·0	180	2·9	165	3·0
20	205	3·9	220	4·8	225	5·1	215	4·1	225	3·6	230	3·6	220	3·9	225	4·4	220	5·0	225	5·2	220	6·0	220	5·6
21	220	3·0	215	2·5	220	3·0	225	3·4	215	3·8	220	4·9	225	3·9	220	3·9	225	4·0	225	3·8	225	4·6	205	4·2
22	90	0·1	280	0·1	60	0·3	80	1·3	90	2·5	90	1·3	105	1·5	140	3·4	135	3·7	125	3·8	145	4·2	155	3·7
23	75	2·9	75	1·9	55	1·5	55	0·7	80	2·0	80	1·5	75	2·2	75	1·7	80	3·3	80	4·3	120	3·9	110	4·5
24	60	2·9	65	2·5	55	2·0	45	1·8	35	2·0	45	2·6	55	3·5	60	3·0	45	3·3	55	3·8	85	5·5	80	6·4
25	45	2·5	70	1·9	65	2·3	70	2·4	65	1·9	55	1·4	70	2·4	60	2·5	65	2·7	65	3·2	75	3·3	90	3·7
26	200	4·0	210	4·0	215	3·9	205	3·2	190	3·2	190	3·4	195	5·0	225	5·0	210	5·1	210	5·6	205	6·0	210	7·3
27	185	3·5	180	3·0	185	3·9	185	3·3	200	4·5	205	6·3	205	6·3	220	5·1	225	5·6	225	5·7	220	7·1	220	6·2
28	255	2·7	255	2·3	245	2·0	230	2·0	220	2·2	225	2·4	245	2·2	240	2·5	250	2·7	250	3·0	270	3·5	265	3·4
29	285	0·4	220	0·3	205	0·4	195	0·6	215	1·0	250	0·1	45	0·1	130	2·6	165	4·0	155	4·8	170	4·4	150	3·8
30	80	3·4	85	2·8	80	3·0	80	3·2	65	2·2	70	2·5	80	2·6	80	3·0	85	4·0	85	5·6	75	5·7	75	6·2
Mean	---	3·1	---	2·7	---	2·8	---	2·9	---	3·2	---	3·2	---	3·5	---	3·8	---	4·2	---	4·6	---	5·0	---	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	

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, 1935

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	2·2	215	2·6	210	3·0	180	2·0	185	1·0	100	3·6	95	5·1	105	5·8	105	5·7	105	4·6	100	3·4	95	2·6	3·3	1
195	4·8	205	4·6	185	5·2	190	4·5	190	4·1	195	3·6	210	3·3	195	2·4	170	1·9	130	1·5	120	1·3	105	1·3	3·0	2
130	6·8	125	6·8	130	7·5	125	7·4	90	8·0	90	8·9	95	9·2	95	8·7	90	5·6	90	5·6	85	5·0	85	5·4	5·0	3
95	7·1	90	6·6	90	6·5	90	4·8	95	3·0	180	1·6	200	1·8	215	0·9	---	0·0	95	0·5	205	0·6	270	0·1	4·4	4
270	1·2	80	0·6	45	2·8	35	2·5	25	2·8	25	2·5	70	2·3	70	1·7	75	0·3	10	0·1	35	0·5	15	0·5	0·9	5
50	4·0	45	3·9	25	3·7	25	3·4	30	3·8	15	3·5	15	3·2	85	3·0	90	2·5	90	0·5	40	0·2	15	0·4	2·1	6
45	5·5	65	5·9	60	4·9	55	5·3	95	4·3	100	4·2	80	3·8	35	6·9	40	6·2	35	6·0	35	6·2	40	5·5	4·3	7
25	4·4	35	5·6	35	6·6	40	6·5	30	7·0	30	6·0	25	6·5	25	6·7	30	5·2	35	6·2	35	6·2	45	5·2	5·6	8
55	7·4	55	8·4	60	9·4	70	8·8	65	9·8	65	10·0	55	7·7	55	6·0	50	6·5	50	5·7	45	5·5	45	5·0	6·6	9
70	8·6	65	8·1	65	8·4	80	8·9	50	8·1	60	7·4	50	8·4	50	7·0	50	7·0	40	7·6	45	6·6	60	6·9	7·5	10
45	6·6	40	6·9	45	6·3	40	7·8	45	6·8	45	6·6	25	6·6	30	5·7	25	6·0	35	6·7	45	6·6	35	4·1	6·4	11
25	6·9	25	7·7	30	6·8	35	7·6	30	7·0	30	7·2	30	7·3	35	6·5	30	4·6	30	6·7	30	4·7	25	3·5	6·5	12
5	4·2	360	3·8	25	3·3	355	2·7	355	1·9	10	1·6	345	1·6	325	0·2	270	0·2	255	0·4	230	0·9	235	1·6	3·0	13
15	7·6	10	8·7	10	7·6	10	7·6	10	6·0	10	6·4	360	4·7	350	4·6	320	4·1	345	4·0	335	4·7	355	8·2	4·9	14
25	7·1	15	6·6	10	6·0	360	5·0	360	4·5	350	2·8	340	2·0	340	0·2	200	0·2	175	0·7	195	0·8	205	1·4	5·4	15
15	7·3	15	7·8	10	5·6	15	6·9	5	5·3	10	5·0	10	3·8	30	3·0	15	1·2	305	0·6	315	0·5	275	0·2	4·6	16
185	6·8	180	6·1	150	6·1	135	5·5	160	5·2	130	5·4	115	4·8	110	3·7	100	5·7	75	4·6	55	4·7	45	4·6	3·8	17
360	4·5	10	5·0	30	5·5	35	7·2	25	5·5	15	5·5	360	2·4	315	3·0	10	4·0	10	1·2	305	1·1	280	0·9	4·2	18
195	4·6	215	4·8	200	4·6	215	6·2	225	5·0	230	6·0	225	4·7	235	4·6	225	4·9	225	5·2	225	4·4	210	3·4	3·5	19
180	5·4	210	3·7	275	2·0	20	0·8	60	0·1	125	0·5	115	1·9	90	1·4	75	0·2	20	0·8	35	2·4	60	1·9	2·0	20
40	8·4	40	8·4	45	8·9	50	8·3	50	8·3	60	8·1	60	8·2	50	7·4	45	7·5	45	6·0	45	5·5	50	6·5	6·2	21
35	7·8	40	8·6	45	8·5	45	9·2	45	9·5	40	9·4	40	9·4	45	9·2	40	8·7	40	8·8	40	7·5	35	6·0	7·6	22
45	11·0	50	10·8	45	11·6	40	11·0	40	9·8	45	10·2	50	10·0	30	8·4	30	8·3	25	6·5	30	6·2	25	7·0	8·4	23
50	11·0	45	11·1	45	11·4	40	10·6	40	10·0	40	9·3	30	9·0	25	8·3	25	6·6	30	6·8	30	6·4	25	7·2	8·5	24
70	9·6	65	9·3	75	10·2	55	8·9	55	9·4	50	8·9	50	8·2	40	6·5	30	6·4	30	5·8	35	5·5	30	5·5	7·2	25
40	6·0	35	6·6	40	6·1	30	5·9	30	6·6	25	7·5	25	7·0	30	6·6	30	5·4	30	5·6	30	4·5	25	3·4	5·5	26
30	4·1	40	4·3	30	4·0	20	3·0	10	1·6	35	3·2	50	3·5	45	3·2	45	2·5	35	2·0	30	2·5	25	2·2	3·9	27
50	1·0	70	3·6	45	4·1	55	5·0	45	4·4	65	3·5	90	3·6	100	4·8	90	3·9	80	2·0	55	3·2	40	3·5	2·5	28
30	5·1	25	5·2	20	5·4	30	5·9	25	5·9	20	6·1	30	6·0	25	5·0	20	4·9	25	5·5	30	4·5	30	4·0	4·9	29
60	3·9	95	4·7	95	5·0	130	4·2	110	4·0	115	4·3	120	2·9	130	2·8	125	2·1	105	1·5	105	1·7	110	1·4	3·7	30
55	2·0	95	1·9	145	2·2	145	0·7	---	0·0	---	0·0	130	0·1	---	0·0	150	0·1	175	0·8	170	1·0	195	0·9	1·6	31
---	5·9	---	6·1	---	6·1	---	5·9	---	5·4	---	5·4	---	5·1	---	4·7	---	4·1	---	3·9	---	3·7	---	3·6	4·7	

JUNE, 1935

°	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	
175	2·3	125	1·6	160	1·5	165	1·5	140	2·3	105	4·3	100	3·4	100	3·8	85	3·2	100	2·4	110	2·6	105	2·6	2·0	1
200	6·2	195	5·9	210	5·2	220	6·2	230	7·0	235	6·4	275	4·4	260	2·8	245	1·6	230	3·0	230	3·0	230	3·4	3·5	2
220	4·5	280	3·0	225	6·1	210	5·5	205	5·8	215	5·1	225	6·3	225	5·3	205	3·6	205	4·8	200	3·6	205	3·4	3·9	3
190	6·1	200	5·7	205	4·2	190	4·5	180	4·3	180	3·5	185	3·0	190	3·0	175	2·5	150	1·6	140	1·5	180	2·5	3·5	4
205	3·6	205	3·6	200	4·5	225	4·0	220	4·3	240	4·0	240	2·3	260	2·5	235	2·3	250	2·3	245	2·0	235	2·3	2·5	5
210	7·6	210	8·2	205	7·3	195	7·5	190	6·9	200	6·9	205	6·9	205	7·0	205	7·0	205	6·6	205	7·5	205	7·9	5·9	6
225	12·5	225	11·9	225	12·6	220	12·0	225	12·9	225	12·6	225	11·8	225	10·3	225	10·6	235	10·5	235	9·9	230	7·9	9·4	7
245	7·1	240	7·9	255	6·4	260	6·4	230	6·2	255	6·0	275	5·2	285	3·1	265	2·5	265	3·2	250	2·5	235	2·6	6·0	8
150	4·0	130	3·5	185	3·5	150	3·9	145	3·0	125	3·7	85	5·5	90	6·2	90	6·8	95	4·1	90	6·2	90	6·3	3·0	9
215	4·8	215	4·5	205	3·5	200	4·1	195	4·4	220	5·2	200	4·7	185	3·7	175	3·5	155	3·0	180	2·9	175	3·1	3·7	10
225	10·0	220	10·4	225	9·9	220	11·1	230	9·0	225	8·6	225	7·1	225	7·3	220	6·4	220	6·5	220	5·5	210	4·9	6·3	11
215	7·6	220	8·2	215	9·1	220	8·5	220	8·2	220	8·7	220	8·9	220	5·6	215	5·8	200	4·1	195	2·9	190	3·0	6·3	12
220	7·1	210	7·7	215	7·1	225	6·7	220	5·1	220	5·6	180	5·0	180	5·1	185	3·5	185	2·6	175	1·8	170	3·0	5·3	13
210	6·6	205	6·3	205	5·0	185	4·8	185	4·7	185	3·7	195	4·0	205	4·4	210	3·0	205	2·8	205	2·9	215	3·0	4·4	14
225	4·1	210	3·1	220	4·7	220	5·7	225	2·0	250	3·5	310	2·1	290	2·3	265	1·1	240	2·0	240	2·6	245	2·6	3·0	15
265	3·4	205	5·7	225	7·2	240	7·3	240	7·0	230	6·8	230	6·4	225	5·0	225	4·9	230	3·9	225	3·9	225	4·8	4·7	16
220	6·8	225	6·9	220	7·0	225	7·1	225	6·1	215	6·5	210	6·3	195	5·0	175	3·0	145	3·0	135	2·9	120	3·0	4·8	17
235	6·5	260	6·7	265	6·8	265	6·6	265	6·4	260	5·3	265	5·0	265	4·4	265	3·5	265	3·3	260	3·5	305	2·8	5·1	18
200	2·9	215	3·5	205	3·9	210	5·6	210	5·0	195	4·0	210	4·0	215	4·1	215	4·7	225	4·5	215	3·5	215	3·8	3·0	19
215	4·9	215	4·9	220	5·1	220	5·6	215	4·7	220	5·0	225	4·9	225	4·9	225	5·5	225	5·0	230	2·9	225	2·6	4·6	20
225	4·8	225	4·3	220	3·5	240	3·1	210	2·5	215	2·5	215	2·5	220	2·0	205	2·0	195	1·5	195	0·2	285	0·5	3·1	21
130	3·5	125	4·5	100	5·0	85	6·2	90	6·3	90	6·2	90	6·1	85	5·0	80	3·3	85	3·5	85	3·7	90	3·5	3·4	22
90	3·9	85	4·8	85	5·0	80	6·2	90	6·5	85	6·9	95	5·2	80	5·0	75	3·8	75	3·7	70	3·2	55	2·3	3·6	23
80	6·7	80	6·3	85	6·0	85	6·4	75	7·0	85	6·8	80	5·6	85	5·8	80	3·5	60	2·5	45	3·2	45	3·0	4·3	24
125	4·9	195	4·8	200	4·2	125	1·0	110	2·0	130	2·9	150	3·3	170	2·5	185	2·5	195	3·4	195	2·5	195	2·8	2·8	25
210	7·0	205	7·4	200	7·1	210	7·1	200	7·0	210	5·8	210	5·1	205	4·5	185	3·3	195	2·4	185	1·4	180	3·1	4·9	26
225	6·4	220	6·0	220	6·3	235	5·7	235	5·5	245	5·2	250	3·5	230	3·5	230	3·3	230	2·9	260	2·4	265	2·6	4·7	27
275	3·4	290	3·4	295	2·7	300	2·1	270	2·4	230	2·3	280	1·9	300	1·3	245	0·9	230	0·7	215	0·5	230	0·4	2·2	28
120	4·3	130	4·3	135	4·7	135	4·0	90	5·3	90	5·5	85	6·2	95	5·5	90	3·9	90	5·0	90	5·0	85	4·3	3·3	29
90	9·5	95	4·5	75	4·9	60	5·5	55	5·6	65	5·5	80	6·4	85	5·1	90	4·4	70	5·5	65	3·3	50	3·4	4·3	30
---	5·6	---	5·7	---	5·7	---	5·7	---	5·5	---	5·5	---	5·1	---	4·5	---	3·9	---	3·7	---	3·3	---	3·4	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

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	40	4·0	50	3·3	45	3·0	35	2·8	35	2·0	45	3·5	55	3·0	35	3·5	40	2·0	30	3·0	30	5·3	40	5·5
2	355	3·4	350	2·5	300	2·9	305	3·7	290	3·3	280	3·1	280	3·8	280	4·2	270	3·4	260	4·0	260	5·0	260	4·4
3	265	3·2	285	3·2	270	2·2	250	1·9	245	2·4	245	3·0	260	3·5	250	2·9	250	2·9	255	3·2	255	2·9	250	2·8
4	230	3·5	225	4·3	230	5·0	235	5·3	250	4·5	245	5·5	240	5·7	260	5·5	255	4·5	255	4·4	255	4·5	255	5·5
5	255	3·2	265	3·7	260	3·9	245	3·7	255	3·3	265	3·7	265	4·3	265	6·2	270	6·0	275	6·2	265	7·1	270	7·0
6	320	2·5	325	1·5	315	2·4	330	2·4	335	2·0	315	1·5	320	3·4	320	4·9	330	5·0	330	4·4	315	4·4	330	4·0
7	335	1·5	310	1·0	205	0·9	315	0·6	305	0·9	320	0·5	340	0·4	360	0·1	25	0·1	90	3·6	90	4·0	100	4·4
8	100	1·3	95	1·3	80	1·3	100	1·3	90	0·9	85	0·9	90	2·8	115	2·4	115	2·8	95	4·3	100	5·0	100	4·5
9	85	3·5	70	2·4	80	2·3	75	2·2	70	2·4	80	2·5	75	2·0	85	3·1	80	3·7	110	3·8	120	3·0	95	2·8
10	135	0·7	235	1·0	225	0·5	205	0·3	230	0·7	220	0·6	235	1·1	235	0·5	165	0·1	100	0·2	225	1·0	225	2·2
11	240	0·5	230	1·5	240	1·0	260	0·3	280	0·1	345	1·0	355	2·0	360	2·0	15	1·7	35	1·2	20	1·5	360	1·9
12	40	4·0	45	4·2	80	3·0	15	1·4	25	3·1	30	4·2	45	4·5	50	4·0	75	3·2	65	4·2	60	4·2	45	3·0
13	65	3·4	110	1·5	55	0·7	20	2·0	30	2·7	60	1·9	55	2·5	65	3·0	80	2·7	80	3·5	90	4·8	105	4·5
14	75	0·9	75	2·5	55	0·8	340	1·4	360	0·7	350	1·4	30	1·4	30	1·5	10	1·2	45	2·2	50	3·5	50	3·5
15	330	0·6	25	2·7	30	2·5	10	3·0	25	3·7	25	3·5	45	2·8	45	2·1	30	2·2	25	1·4	55	0·7	15	1·0
16	225	2·8	235	2·4	240	2·0	265	2·0	305	1·5	295	1·1	310	1·6	320	1·5	325	0·7	325	2·4	300	2·6	280	3·1
17	260	2·0	245	2·5	255	2·5	240	2·0	225	2·6	230	2·7	225	3·5	220	5·2	225	5·1	240	5·1	250	5·0	270	5·7
18	240	1·8	240	1·6	225	2·2	225	1·9	225	2·5	235	2·0	230	2·8	220	3·3	225	4·5	230	5·0	235	5·2	230	4·4
19	215	1·1	210	1·5	215	1·7	210	1·5	220	2·1	205	2·2	220	2·4	220	3·2	230	3·1	230	4·0	225	5·9	230	4·8
20	210	5·8	210	6·0	210	4·7	200	3·7	205	4·0	210	4·1	220	3·9	220	4·3	215	4·9	225	5·1	230	5·1	250	4·9
21	270	3·6	260	3·1	260	3·5	260	2·9	240	1·6	245	2·3	265	2·5	280	3·5	285	4·3	280	4·4	285	4·4	275	4·9
22	260	2·0	250	1·8	285	1·7	280	1·4	230	1·5	215	1·4	230	1·3	220	1·2	205	1·1	230	1·2	230	1·0	235	1·3
23	215	1·5	225	2·0	225	1·2	205	0·8	190	1·0	220	1·2	230	0·5	225	0·1	190	0·7	190	2·2	195	2·4	205	2·5
24	210	0·3	205	0·2	---	0·0	345	0·1	---	0·0	---	0·0	---	0·0	---	0·0	300	0·2	25	3·2	40	4·7	50	4·7
25	35	4·0	40	3·9	40	3·0	35	3·0	35	3·0	55	3·5	75	3·5	70	2·7	40	3·6	45	3·9	35	4·8	55	5·6
26	310	0·8	335	1·7	345	2·5	340	2·0	335	2·1	335	1·2	360	2·7	10	4·0	5	4·0	360	3·2	360	3·6	335	3·5
27	225	1·7	220	1·4	225	1·8	235	1·9	230	2·5	235	2·2	230	2·5	245	3·2	230	3·4	285	3·8	240	5·0	240	5·5
28	245	5·0	250	3·9	255	4·5	265	4·3	260	4·1	260	3·0	265	2·5	270	3·5	275	3·9	260	5·0	265	5·0	265	4·6
29	245	1·5	270	2·0	285	1·6	325	2·4	335	3·8	340	3·8	350	4·7	330	5·3	325	4·9	330	4·6	345	3·8	345	4·5
30	35	1·6	350	1·5	325	1·2	305	1·4	315	1·5	305	0·9	295	1·3	305	1·2	345	1·3	305	2·2	355	2·0	25	3·4
31	105	0·9	330	0·4	350	1·3	330	1·0	335	0·8	285	0·5	---	0·0	190	0·2	15	1·2	45	2·4	30	2·1	30	2·3
Mean	---	2·3	---	2·3	---	2·2	---	2·1	---	2·2	---	2·2	---	2·5	---	2·8	---	2·9	---	3·5	---	3·9	---	4·0

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	195	0·7	110	0·8	185	0·4	---	0·0	235	0·2	195	0·2	---	0·0	135	1·2	135	1·7	130	2·0	115	3·0	55	2·2
2	105	0·9	75	0·3	50	0·2	15	0·4	70	0·5	125	0·1	145	0·2	290	0·6	45	3·4	30	3·0	40	3·8	40	4·3
3	80	0·2	60	0·1	320	0·1	---	0·0	195	0·4	240	0·3	225	0·3	220	0·4	240	0·2	205	0·2	210	0·4	315	1·2
4	95	1·2	95	1·6	90	0·7	90	0·1	---	0·0	210	0·1	255	0·2	220	1·2	200	1·9	235	2·1	230	2·6	245	1·8
5	230	0·2	265	0·2	215	0·5	215	0·6	225	0·5	240	0·1	210	0·1	240	0·1	170	0·2	145	0·4	285	1·0	310	1·4
6	340	0·1	345	0·4	340	0·4	350	1·4	340	0·8	320	0·2	355	0·2	25	0·7	20	1·3	40	1·8	45	2·1	35	1·7
7	160	0·2	210	0·2	210	0·5	230	1·1	270	0·5	310	0·2	200	0·6	215	1·6	215	1·7	220	1·7	240	1·2	180	1·4
8	220	0·8	180	0·6	---	0·0	---	0·0	---	0·0	295	0·1	---	0·0	205	0·1	220	0·9	219	1·5	215	1·3	165	1·1
9	220	0·6	360	1·1	315	1·3	330	1·2	325	1·2	285	1·6	315	2·2	295	3·3	305	3·2	305	4·4	315	4·5	315	4·2
10	215	1·1	240	2·0	205	1·6	230	1·6	250	1·1	230	0·3	220	0·2	220	1·5	220	1·9	215	3·0	225	4·6	225	5·4
11	235	2·4	225	2·2	225	2·0	235	2·0	235	2·0	230	1·2	225	2·0	205	2·2	230	2·6	235	3·4	220	4·3	225	4·4
12	225	2·0	235	1·0	225	0·5	235	1·0	240	0·4	225	0·5	215	0·7	335	0·8	360	0·2	15	1·5	10	2·5	5	2·8
13	25	6·1	20	6·4	15	6·2	15	5·1	15	4·9	15	4·7	15	4·6	5	5·0	25	6·9	15	7·1	20	7·1	25	7·2
14	325	1·9	320	1·1	260	0·7	235	0·8	215	1·1	240	0·9	250	0·4	310	0·9	325	2·8	300	3·1	315	3·4	315	3·4
15	255	0·8	255	0·5	255	0·9	250	1·2	245	1·4	265	1·2	250	1·5	260	0·7	250	0·9	240	1·1	285	1·5	290	1·5
16	235	1·0	240	0·5	230	0·9	215	1·0	215	0·9	220	1·1	230	1·6	245	1·9	270	1·2	265	1·9	270	2·1	295	3·0
17	230	1·6	225	1·8	230	1·9	235	1·4	230	0·7	225	0·6	220	0·5	225	0·4	230	1·2	235	1·6	250	2·0	235	2·5
18	250	1·5	250	1·5	230	1·5	215	1·2	225	1·0	225	1·2	220	1·2	225	1·9	260	2·2	265	2·5	265	3·0	250	3·5
19	230	2·0	225	1·7	220	2·0	220	1·4	205	1·0	220	1·0	230	2·0	260	2·4	250	2·4	250	1·8	260	2·5	285	2·1
20	225	1·4	230	1·0	240	0·9	215	1·4	215	1·0	240	1·1	255	0·9	195	0·4	175	0·4	195	0·9	180	1·6	210	1·8
21	35	0·1	45	0·1	60	0·2	70	1·2	75	1·2	80	1·0	90	0·7	140	1·6	175	3·0	195	3·0	180	4·4	185	5·0
22	75	1·0	80	0·2	45	0·2	75	1·1	85	0·2	85	1·0	90	1·3	140	1·4	195	3·5	205	3·0	185	4·2	180	5·6
23	195	1·4	220	1·5	260	0·4	230	0·7	280	1·4	220	1·0	25	1·5	50	1·9	100	1·8	120	2·8	330	0·9	290	1·7
24	---	0·0	---	0·0	55	1·2	50	0·5	240	0·8	250	0·6	300	0·5	320	1·1	300	1·5	290	2·2	225	2·7	250	2·0
25	200	1·5	215	0·9	210	0·7	175	1·0	325	0·8	295	0·5	220	0·3	210	0·5	210	1·0	200	1·2	220	0·9	190	1·6
26	260	0·8	320	0·9	335	0·6	315	1·8	330	1·0	235	0·3	245	1·0	275	1·4	260	1·2	245	1·3	270	2·0	230	2·0
27	200	5·0	200	5·1	195	5·2	225	5·1	220	4·4	215	4·1	225	4·6	245	5·0	295	3·7	315	3·9	310	3·6	295	3·9
28	220	1·9	225	1·4	230	0·7	215	0·5	250	0·6	175	0·5	180	0·1	180	0·2	205	1·4	205	1·4	240	1·6	230	2·2
29	225	1·6	240	1·1	210	1·3	220	1·5	220	2·0	230	1·2	230	1·5	240	2·1	260	1·9	245	3·3	255	2·5	250	3·0
30	225	2·5	210	2·5	195	2·5	200	2·5	195	2·5	195	3·0	195	3·3	205	5·0	205	5·0	205	5·5	210	5·3	225	4·5
31	225	3·0	215	3·5	220	5·6	220	5·6	210	5·1	210	5·1	215	6·0	225	6·4	230	7·0	225	8·1	245	8·0	240	5·0
Mean	---	1·5	---	1·4	---	1·3	---	1·4	---	1·3	---	1·1	---	1·3	---	1·7	---	2·2	---	2·6	---	2·9	---	3·0
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	

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, 1935

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	3·9	50	4·3	90	3·8	90	2·9	110	3·0	145	2·2	240	1·0	340	1·3	215	1·5	200	2·3	240	1·0	265	1·0	2·9	1
250	5·0	260	5·7	265	6·1	250	6·0	245	5·3	265	4·8	255	5·3	240	4·2	235	3·4	245	3·0	240	2·9	245	3·2	4·1	2
260	3·0	240	3·4	250	3·7	240	4·0	235	4·0	245	4·4	255	4·4	260	4·9	255	4·4	245	4·7	245	5·0	245	4·4	3·5	3
260	3·9	270	5·5	275	4·9	275	6·2	275	5·4	275	5·5	260	5·5	285	4·3	270	3·5	260	3·6	260	3·7	255	3·3	4·7	4
265	6·5	270	6·6	270	6·2	270	6·1	270	5·4	265	5·1	270	5·0	270	4·8	265	4·4	285	3·5	310	2·6	315	2·4	4·9	5
325	4·3	325	3·4	310	3·6	330	3·1	330	3·5	335	3·4	320	2·5	325	2·0	335	1·5	345	2·1	335	1·5	315	1·5	2·9	6
85	4·3	80	4·9	90	4·9	105	5·4	110	4·9	125	4·6	140	3·8	145	3·2	100	2·5	95	2·9	110	1·5	110	1·2	2·6	7
100	3·9	115	4·8	110	4·5	110	4·1	100	3·5	95	4·6	100	5·6	105	4·8	100	3·8	90	4·9	95	4·9	85	4·0	3·4	8
150	3·0	105	2·1	145	2·4	185	2·7	170	3·2	145	2·5	130	2·4	105	3·5	95	3·5	105	2·1	105	1·6	115	1·0	2·6	9
215	2·0	235	2·5	235	2·2	235	2·8	245	3·0	245	2·7	260	3·1	240	2·8	235	2·5	230	2·0	230	1·8	240	1·5	1·6	10
25	2·0	55	2·2	10	3·0	25	2·2	125	2·9	100	1·7	355	0·9	60	2·3	65	3·2	35	3·3	35	4·1	40	4·9	2·0	11
60	4·1	75	5·4	95	6·1	80	7·1	70	7·2	70	5·8	70	5·8	70	5·0	75	5·8	70	5·0	75	5·0	70	3·5	4·5	12
105	5·7	110	5·2	115	5·5	120	5·3	110	4·7	95	3·9	85	4·6	85	3·2	85	3·8	75	2·5	95	0·7	85	1·6	3·3	13
55	3·9	70	4·5	50	4·1	35	3·5	50	3·6	65	3·0	125	3·0	110	3·7	75	4·2	70	3·7	60	2·3	35	2·3	2·6	14
5	1·5	330	1·1	310	1·1	260	2·2	245	2·0	275	2·1	235	3·0	225	3·5	230	3·6	230	3·0	225	2·9	220	2·9	2·3	15
285	3·4	285	3·4	275	3·4	275	4·2	280	4·0	270	5·0	270	4·9	270	2·9	300	2·3	260	2·1	255	2·5	260	2·0	2·7	16
265	7·3	270	7·1	270	5·8	270	5·5	280	5·1	290	5·5	315	5·0	300	4·9	315	3·2	295	2·0	280	1·8	275	1·6	4·1	17
245	4·9	265	3·7	270	5·0	305	5·1	305	3·2	290	1·8	280	2·1	260	2·2	255	2·3	230	1·8	250	2·1	250	1·6	3·0	18
225	5·5	220	7·0	225	7·4	210	6·5	210	4·8	210	5·5	210	5·6	205	5·1	210	5·1	215	5·0	215	4·6	210	5·0	4·2	19
220	6·4	235	4·9	255	6·0	290	6·0	315	5·8	305	4·8	325	5·9	315	4·4	300	3·2	290	3·3	290	3·4	280	3·0	4·7	20
275	4·9	275	4·9	275	4·6	270	5·0	270	4·6	275	4·4	280	4·3	275	3·1	270	2·7	265	2·7	270	3·0	265	2·5	3·7	21
275	1·5	250	1·9	240	1·8	255	2·0	250	1·7	235	1·8	275	1·0	245	1·2	230	1·5	215	2·1	210	2·5	220	2·3	1·6	22
185	2·1	210	2·5	190	2·0	190	2·3	190	2·5	170	2·6	200	1·5	190	1·1	185	0·1	345	0·1	---	0·0	205	0·6	1·4	23
35	4·3	30	4·1	45	4·0	30	5·4	30	6·1	40	5·9	70	5·2	95	2·9	95	2·8	65	3·1	45	4·5	40	3·8	2·7	24
40	5·5	30	4·0	30	3·7	5	3·6	15	3·6	15	3·6	110	3·1	110	2·3	115	1·9	130	1·0	30	0·1	335	0·8	3·2	25
325	3·5	325	3·3	325	3·2	320	3·1	325	3·0	335	3·9	355	3·4	360	3·2	15	1·5	25	0·3	180	0·4	220	1·1	2·5	26
250	6·1	255	6·3	255	6·6	265	5·5	265	6·5	265	6·0	260	6·2	285	5·3	260	5·0	255	4·0	240	3·4	240	5·0	4·2	27
285	5·3	285	4·9	280	5·4	270	4·8	260	5·3	280	5·1	290	4·9	300	3·9	310	2·9	300	3·5	280	2·5	230	2·5	4·2	28
335	4·3	335	4·4	335	4·3	325	4·8	340	3·4	325	4·3	325	4·3	330	4·1	335	3·6	15	2·8	45	3·7	50	3·0	3·8	29
15	3·4	20	3·3	5	3·5	20	3·9	20	4·0	25	4·1	25	3·6	40	3·3	360	5·2	70	4·8	95	4·3	125	2·0	2·7	30
30	2·8	25	2·5	10	3·0	55	3·3	25	3·3	30	3·3	65	3·6	180	4·5	185	3·2	195	1·6	165	0·8	120	0·9	1·9	31
---	4·1	---	4·2	---	4·3	---	4·3	---	4·1	---	4·0	---	3·9	---	3·5	---	3·2	---	2·9	---	2·6	---	2·5	3·2	

AUGUST, 1935

°	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	
35	1·5	50	1·5	40	2·3	25	2·5	55	2·5	155	2·7	150	1·5	125	2·6	125	2·6	105	2·5	130	1·9	125	0·8	1·6	1
55	5·1	45	5·0	45	4·6	45	4·5	55	3·6	90	3·0	110	2·9	120	3·2	120	2·4	125	1·4	120	0·6	105	0·2	2·3	2
350	1·9	340	2·0	355	2·5	15	1·6	360	1·3	75	2·6	90	2·3	95	2·3	95	1·8	100	1·5	105	0·5	140	0·7	1·1	3
240	2·2	275	1·5	205	3·5	205	4·0	220	4·2	215	3·7	210	3·0	210	2·4	215	1·8	225	1·6	210	0·8	220	1·0	1·8	4
210	1·6	140	1·3	265	1·2	215	1·4	315	1·1	---	0·0	315	0·5	315	0·2	275	0·8	245	0·9	225	1·0	230	0·4	0·7	5
30	2·6	20	2·1	50	1·6	40	1·5	15	1·6	5	1·0	345	0·7	45	1·2	185	2·0	205	1·9	225	0·1	200	0·1	1·1	6
40	1·5	175	1·6	220	2·0	325	2·0	340	0·9	270	2·5	210	4·0	195	3·0	195	2·4	215	1·6	210	1·2	190	1·5	1·5	7
135	2·6	125	3·6	140	2·7	120	3·3	100	3·8	100	3·5	85	2·8	95	2·9	85	2·5	150	2·4	175	1·5	215	1·3	1·6	8
320	3·3	315	3·4	315	3·4	285	3·4	310	3·6	305	3·8	305	2·9	265	1·1	245	1·9	260	1·5	345	1·5	330	1·2	2·5	9
225	5·9	225	6·1	230	5·0	240	4·9	220	5·6	225	5·9	225	5·1	225	3·7	225	3·0	225	3·3	230	2·3	230	2·3	3·2	10
225	4·0	230	3·9	240	3·8	230	3·7	235	3·5	230	3·0	225	2·5	210	2·3	205	2·3	215	2·5	215	2·2	230	2·2	2·8	11
20	3·9	25	3·5	10	5·4	15	6·2	20	7·6	15	6·5	20	6·2	35	5·4	30	5·4	25	5·0	35	6·0	30	5·6	3·4	12
25	7·1	15	6·5	10	6·5	15	6·1	20	5·2	25	4·8	30	4·0	40	2·5	45	1·4	40	0·7	325	0·9	325	1·1	4·9	13
295	3·0	290	3·8	300	3·3	305	2·5	310	2·4	330	1·9	10	0·8	---	0·0	255	0·3	310	2·5	315	2·1	305	0·5	1·8	14
350	0·7	40	0·9	310	1·5	265	1·6	245	2·4	260	1·8	245	1·0	225	0·5	210	1·4	225	1·5	270	1·5	245	1·6	1·2	15
260	2·4	350	1·5	50	1·0	260	1·5	265	1·9	260	3·1	235	1·8	230	1·9	230	2·1	230	2·4	230	2·1	235	2·2	1·7	16
240	2·6	240	3·0	245	2·7	240	2·4	220	1·3	140	1·0	170	1·9	175	2·1	210	2·2	220	2·5	225	2·2	225	1·7	1·7	17
265	3·2	260	2·9	225	4·1	215	3·5	230	3·5	240	3·8	235	2·0	220	1·9	200	1·9	205	2·1	215	1·9	205	1·5	2·3	18
245	2·7	270	3·3	260	3·4	240	2·9	230	2·5	230	2·1	225	1·9	220	1·8	235	1·8	210	1·9	220	2·1	225	1·3	2·1	19
220	1·5	160	1·6	180	1·9	160	2·6	135	3·3	165	3·7	165	4·2	160	2·4	160	1·9	135	1·2	55	0·1	75	0·9	1·6	20
185	5·0	170	6·2	175	5·8	180	5·0	190	5·0	190	3·9	185	3·0	160	1·0	130	0·1	90	0·7	85	1·2	85	1·2	2·5	21
180	5·0	180	5·8	185	6·8	200	6·6	190	5·2	195	4·9	195	3·5	180	2·0	195	2·0	225	2·0	230	1·4	220	1·2	2·9	22
35	1·0	95	3·2	175	6·5	175	4·3	165	4·4	180	3·0	180	2·9	175	2·1	180	2·4	115	0·9	125	0·7	115	0·5	2·0	23
265	1·6	210	3·3	220	3·3	200	3·9	200	3·6	195	5·1	200	2·9	200	2·0	190	1·0	185	1·6	185	1·6	195	1·5	1·9	24
175	2·1	180	2·5	185	2·1	160	3·1	220	0·8	235	0·8	195	0·9	245	0·8	250	0·8	295	0·6	335	1·4	195	1·2	1·2	25
240	2·4	235	2·8	220	3·0	225	3·2	190	2·7	235	3·0	225	3·0	200	3·1	195	3·2	195	3·4	195	3·7	200	4·9	2·2	26
290	3·0	285	3·0	290	4·5	285	4·7	260	3·2	270	3·5	265	2·0	235	1·7	240	2·1	220	2·0	225	2·0	225	2·2	3·6	27
235	2·0	275	1·7	245	1·8	245	2·6	255	3·2	330	2·8	280	1·8	260	1·0	245	1·1	240	1·2	245	1·3	230	1·0	1·4	28
225	3·4	275	3·1	260	2·5	265	2·9	285	3·5	280	3·0	255	2·0	230	2·2	250	2·0	240	2·4	220	2·5	225	2·8	2·3	29
205	7·3	195	5·0	180	4·3	115	2·6	100	4·3	80	4·9	130	2·6	230	2·1	220	4·0	225	5·5	230	4·7	230	4·4	4·0	30
230	6·1	220	7·9	210	8·5	215	8·6	210	7·9	210	7·0	215	6·2	220	5·5	215	5·5	220	3·8	220	3·5	215	3·5	5·9	31
---	3·2	---	3·3	---	3·6	---	3·5	---	3·4	---	3·3	---	2·7	---	2·2	---	2·1	---	2·1	---	1·8	---	1·7	2·3	
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

Direction 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	215	3·5	220	3·6	195	3·0	205	2·0	190	1·0	190	1·5	185	1·7	195	2·5	180	3·0	160	3·2	170	4·1	185	3·9
2	200	3·5	210	4·6	205	4·6	210	5·2	210	4·1	220	4·5	225	3·4	210	5·1	210	5·5	215	6·0	230	5·1	220	5·7
3	200	2·8	210	2·7	220	3·0	210	2·6	210	2·3	220	2·2	220	2·3	235	3·7	230	3·6	205	5·0	220	5·5	220	6·1
4	230	2·8	200	1·8	200	0·9	190	1·3	180	1·0	190	1·6	210	1·1	220	1·6	210	1·9	185	2·0	270	1·6	270	3·4
5	235	2·6	235	2·5	215	2·4	225	3·0	230	2·9	220	3·0	205	1·6	220	2·5	250	1·5	240	2·8	260	2·8	265	3·6
6	310	1·3	290	2·0	270	1·8	260	1·6	255	1·6	255	1·7	250	1·7	270	2·1	310	3·1	305	3·5	305	3·3	315	3·6
7	300	0·5	300	0·7	310	0·5	280	0·2	275	0·5	275	0·2	270	0·2	290	0·2	335	0·3	350	1·1	30	1·3	10	1·9
8	50	3·0	35	2·1	35	2·0	50	2·0	60	1·8	40	2·4	40	1·3	60	2·2	80	3·0	90	4·0	135	3·9	125	3·4
9	85	2·1	70	1·3	70	0·8	75	2·1	70	2·1	60	1·8	50	0·9	70	1·3	90	2·3	120	2·4	120	3·0	115	4·1
10	110	0·8	360	0·5	55	0·3	45	1·8	30	1·6	5	1·4	355	1·0	35	0·1	110	0·5	100	2·2	90	2·4	115	2·9
11	115	1·7	115	0·2	145	0·5	195	0·7	330	0·4	30	0·5	80	1·0	110	1·0	155	0·6	175	2·3	165	3·5	170	3·9
12	70	1·3	65	1·0	55	1·0	85	1·3	90	1·3	75	1·2	85	1·4	90	2·5	130	1·8	165	2·9	160	3·3	180	3·2
13	200	4·5	205	4·3	215	5·9	210	5·0	200	3·9	200	5·0	200	5·1	225	4·5	240	4·8	260	5·7	260	5·1	250	5·5
14	180	1·9	190	1·9	190	3·2	205	3·0	190	2·9	195	2·4	195	2·9	210	4·5	215	6·4	225	7·1	220	7·1	230	8·7
15	210	3·5	200	3·7	190	3·0	185	3·1	170	2·6	180	2·8	170	3·0	170	4·6	175	5·9	180	6·4	180	5·0	190	4·9
16	220	5·6	220	6·0	225	5·0	220	5·0	220	4·9	225	4·2	220	4·8	225	5·1	235	6·6	235	7·9	235	6·9	225	7·0
17	205	12·9	210	14·0	210	16·1	215	14·4	230	11·1	230	12·5	230	12·0	235	10·2	230	10·0	235	10·2	240	11·4	250	9·9
18	235	5·6	235	5·1	230	3·9	230	4·5	230	4·9	240	5·0	245	4·9	240	5·6	245	5·6	250	6·4	245	5·9	250	6·2
19	205	7·4	200	8·3	200	9·2	200	9·6	210	9·5	220	9·4	220	8·8	225	8·6	225	7·9	230	9·5	245	9·6	245	10·4
20	220	7·3	215	8·0	220	6·6	215	5·1	210	5·9	210	3·9	210	2·4	215	5·0	225	6·1	230	6·0	225	6·0	240	3·2
21	---	0·0	250	0·1	340	0·2	295	0·2	350	0·3	55	0·3	70	0·2	80	1·4	95	3·5	125	3·3	135	2·6	115	1·9
22	65	2·2	80	2·2	80	2·3	105	1·9	165	1·7	215	3·9	225	5·4	230	3·7	255	3·2	210	4·0	255	6·4	255	6·2
23	250	2·0	250	2·5	250	2·9	240	2·2	220	2·0	220	1·9	225	1·5	230	1·5	260	2·8	265	2·8	275	3·2	280	3·8
24	205	1·1	200	0·5	210	0·6	220	0·2	190	0·9	185	1·2	180	1·3	165	1·5	155	3·1	170	4·0	200	6·0	205	5·2
25	270	5·6	295	6·4	310	5·1	305	4·9	315	4·9	305	3·3	300	3·7	305	4·5	315	4·8	325	5·3	320	5·1	315	5·0
26	225	1·0	220	1·0	225	1·1	235	1·0	225	1·1	215	0·5	230	1·0	220	0·5	225	0·6	190	0·7	195	1·5	205	1·6
27	205	3·5	190	4·1	205	3·0	210	3·1	210	3·7	215	3·9	225	3·8	225	4·2	235	3·3	230	3·8	225	3·4	220	3·8
28	160	1·4	160	2·0	170	2·4	180	2·0	180	2·8	195	2·6	170	1·6	175	2·0	175	3·9	180	2·8	180	3·3	195	2·9
29	315	0·1	195	1·0	180	0·9	210	0·8	210	0·3	325	0·3	355	3·5	20	4·9	20	4·1	320	5·0	315	4·9	310	5·0
30	210	6·2	200	6·5	195	5·5	205	5·9	215	4·9	215	4·9	215	5·0	210	6·3	230	6·1	270	6·4	255	6·0	275	4·7
Mean	---	3·3	---	3·4	---	3·3	---	3·2	---	3·0	---	3·0	---	2·9	---	3·4	---	3·9	---	4·5	---	4·6	---	4·7

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	220	4·5	215	4·0	220	4·1	215	3·5	220	4·7	220	4·4	220	4·3	225	5·6	230	6·3	230	6·9	235	6·5	235	6·6
2	285	2·6	265	2·5	260	1·7	260	2·5	255	1·6	220	1·5	220	1·8	230	2·1	210	1·3	185	1·6	195	2·4	190	3·0
3	220	3·1	210	2·8	215	3·2	220	3·5	220	2·4	220	2·0	185	1·5	190	2·0	190	3·7	185	3·9	175	5·1	185	3·5
4	65	2·5	80	2·9	85	2·9	85	3·7	85	3·0	100	2·9	155	2·1	170	2·2	170	3·2	185	3·0	160	3·1	160	3·1
5	170	3·5	180	3·5	195	3·4	195	3·2	190	2·5	200	1·6	235	1·6	235	2·5	220	3·0	215	4·0	215	3·5	220	4·8
6	190	1·0	205	1·0	230	0·1	220	0·5	230	0·5	285	0·9	255	0·5	255	1·4	280	0·9	210	0·8	255	0·6	310	1·4
7	245	0·5	240	0·5	245	0·5	245	0·6	235	0·5	270	0·5	240	0·4	240	0·5	280	0·3	235	0·1	195	0·5	195	0·7
8	200	2·3	185	2·0	200	1·9	185	3·0	190	3·5	190	3·9	190	4·0	190	4·8	195	4·9	215	5·8	210	6·1	205	5·0
9	225	4·0	235	3·3	240	3·0	230	3·9	225	3·3	215	3·4	215	3·9	225	3·8	215	3·6	215	5·0	220	5·6	225	6·8
10	220	10·2	225	10·0	220	8·9	220	8·0	220	8·6	235	7·3	250	5·0	255	6·0	285	4·5	290	5·3	285	6·9	275	8·2
11	225	3·9	230	2·9	245	2·2	240	2·4	235	2·3	230	2·8	230	3·1	235	2·9	245	3·4	240	3·7	235	5·5	245	5·7
12	235	1·5	235	1·7	220	1·6	220	1·7	225	1·6	210	1·4	225	1·5	220	1·2	235	2·0	225	2·1	235	2·6	245	3·5
13	230	1·7	210	1·5	235	0·5	235	0·8	240	0·4	235	0·8	215	0·6	215	1·0	195	1·5	205	2·0	215	2·7	220	3·5
14	210	3·5	210	3·5	210	3·4	215	3·6	220	4·0	210	3·1	210	2·5	220	2·6	215	2·6	225	3·7	225	3·9	235	3·2
15	230	1·4	235	1·5	230	1·4	215	1·9	215	2·8	215	2·9	215	3·2	215	3·0	220	3·5	235	3·4	235	3·4	240	4·1
16	220	3·9	230	2·8	230	3·5	225	4·0	225	3·9	240	2·8	230	3·0	225	3·5	225	4·5	220	4·5	225	3·9	225	4·6
17	15	1·1	285	0·7	295	0·7	260	0·6	330	1·4	330	1·5	230	0·6	240	0·6	240	1·5	235	2·9	260	3·9	250	3·7
18	230	3·9	235	3·6	245	3·4	275	2·8	300	3·0	300	3·7	280	2·0	255	1·7	255	2·6	270	1·7	280	2·1	265	3·1
19	220	10·0	225	10·0	225	11·4	225	10·0	230	8·4	275	9·1	270	7·6	255	7·4	250	6·9	265	9·1	255	9·0	265	10·6
20	260	5·9	255	5·6	260	4·9	275	4·1	285	4·0	295	3·3	310	2·9	320	2·5	355	4·1	355	5·7	360	6·0	355	7·1
21	300	1·4	300	1·4	265	1·0	240	0·8	200	1·5	240	1·2	255	0·9	260	1·4	275	1·4	290	1·5	330	3·0	345	3·4
22	225	3·0	230	2·5	245	1·1	325	1·3	340	2·4	350	1·9	335	2·0	360	3·4	20	4·6	20	3·9	25	4·4	20	3·4
23	85	1·2	80	0·9	75	1·0	80	1·0	80	0·4	80	1·4	100	3·0	105	2·0	125	2·2	160	3·1	165	5·6	170	5·7
24	100	1·5	115	1·8	90	1·5	90	1·8	90	2·6	85	2·3	80	1·6	80	1·6	100	2·4	90	2·9	95	4·0	95	5·3
25	20	2·5	35	2·5	30	2·6	20	2·2	15	2·0	45	2·2	10	2·0	35	1·4	40	1·0	10	1·8	20	3·5	30	3·2
26	230	1·0	220	1·2	240	1·0	215	0·8	230	0·7	230	0·7	245	0·6	235	0·5	230	0·5	250	0·5	225	0·8	230	1·2
27	235	3·4	245	3·4	260	4·5	265	5·2	265	5·5	265	5·0	265	4·5	265	4·6	265	6·6	265	6·0	260	6·1	260	7·9
28	260	6·1	265	6·1	270	5·9	265	6·5	270	5·7	270	4·6	270	3·5	285	3·5	295	4·0	300	3·9	295	4·2	310	3·6
29	250	3·8	255	4·6	255	5·0	265	5·2	255	5·0	255	5·4	245	4·9	245	4·6	245	4·9	250	7·3	245	7·7	245	7·0
30	230	3·1	225	3·1	225	4·2	225	4·5	220	3·5	215	4·3	215	5·1	215	5·6	215	6·5	215	6·7	225	8·4	220	9·1
31	225	7·9	220	8·6	215	8·5	215	6·4	210	4·8	250	3·9	220	5·5	215	6·4	205	7·1	215	7·3	215	8·5	215	8·8
Mean	---	3·4	---	3·3	---	3·2	---	3·2	---	3·1	---	3·0	---	2·8	---	2·9	---	3·4	---	3·9	---	4·5	---	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) = 5 metres + 23 metres

SEPTEMBER, 1935

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	
165	4·3	160	4·5	130	2·8	135	3·6	155	4·0	140	3·2	120	2·0	90	1·7	105	1·8	140	0·5	160	1·5	185	3·2	2·8	1
225	6·5	210	7·4	215	7·8	215	9·3	260	3·3	235	2·9	215	5·2	210	4·1	210	4·3	215	3·5	205	2·8	200	2·8	4·9	2
225	7·5	215	6·5	215	7·5	220	7·7	225	7·1	220	5·9	215	4·5	205	3·0	215	3·3	230	2·5	210	3·0	215	2·7	4·3	3
280	2·9	275	4·1	255	4·1	260	4·4	280	4·6	280	3·0	240	2·8	245	3·2	255	3·6	250	2·4	245	2·1	240	2·8	2·5	4
260	3·8	250	3·9	260	5·0	265	5·0	255	5·3	260	3·5	240	2·5	235	2·1	260	1·0	345	2·0	90	1·4	345	2·1	2·9	5
300	3·0	285	3·7	290	3·8	270	4·0	275	3·6	280	2·6	285	1·5	265	1·1	320	0·5	330	1·4	25	0·3	350	0·6	2·2	6
55	1·9	20	3·5	5	3·4	10	4·3	10	3·2	25	3·3	15	1·8	30	2·1	50	4·2	55	4·0	60	4·0	50	3·2	1·9	7
125	3·2	160	3·5	160	3·9	170	3·7	160	3·4	165	2·7	120	2·1	110	2·0	95	2·6	105	2·3	100	2·4	90	2·7	2·7	8
80	2·9	130	2·7	110	2·5	140	3·1	200	2·5	200	1·2	220	0·3	360	0·2	120	1·8	105	4·0	95	2·3	110	0·7	2·0	9
120	3·9	145	3·1	140	3·3	170	3·0	170	3·3	150	2·6	125	2·5	115	2·0	100	2·1	120	2·4	120	3·4	100	2·6	2·1	10
165	3·5	155	3·6	155	4·1	170	4·0	170	3·4	160	3·5	165	2·5	140	1·7	115	0·5	90	1·4	80	0·5	80	1·6	1·9	11
170	4·9	185	5·0	210	6·0	200	5·0	190	4·4	200	4·5	195	3·2	205	3·8	190	2·1	185	3·0	175	3·1	185	3·3	2·9	12
255	5·5	240	5·1	235	5·1	230	4·8	220	6·1	220	5·3	215	5·0	205	3·5	205	3·2	195	2·9	190	2·6	195	2·4	4·6	13
230	9·2	240	6·5	235	6·8	235	7·0	230	7·5	220	7·6	220	7·5	225	5·6	220	5·2	220	5·5	220	4·1	215	4·0	5·4	14
230	5·5	225	5·0	220	6·6	230	6·5	230	8·0	230	6·4	240	6·6	230	5·2	230	5·0	235	5·5	230	5·0	225	5·0	4·9	15
225	5·4	215	7·8	215	8·1	200	7·1	185	5·0	185	7·1	185	8·8	180	9·3	175	8·8	180	10·7	195	10·0	210	10·6	7·0	16
250	9·0	245	9·5	250	10·1	250	8·5	255	8·4	250	7·2	240	5·4	230	5·2	225	5·9	230	5·8	225	6·0	225	5·9	9·7	17
245	7·1	255	6·2	245	4·7	235	5·2	235	6·1	230	4·0	240	3·6	220	4·8	220	6·0	215	6·8	200	5·6	205	7·2	5·5	18
250	11·5	250	11·6	250	10·5	250	10·0	245	8·5	245	6·6	240	5·8	240	5·9	235	6·8	235	5·6	225	6·0	220	5·9	8·5	19
215	6·5	215	7·1	220	6·0	225	5·6	255	3·0	280	2·6	280	1·7	270	1·5	270	0·5	245	0·6	235	0·4	200	0·2	4·2	20
120	2·5	130	3·1	130	2·9	160	3·6	155	3·2	150	1·9	120	2·2	100	2·9	90	3·5	90	2·0	80	1·5	45	1·9	1·9	21
270	5·8	275	5·6	270	5·0	270	4·1	260	3·8	245	4·9	245	4·1	250	4·4	245	3·9	230	2·9	240	3·4	250	2·4	3·9	22
285	4·9	270	4·3	270	4·0	260	3·4	270	2·7	255	2·1	240	2·0	225	1·9	235	1·6	215	0·9	210	1·5	205	1·1	2·5	23
200	4·7	185	3·6	190	4·4	180	5·8	185	6·2	200	7·3	210	7·2	220	5·9	240	4·9	245	4·9	245	4·7	270	6·5	3·8	24
305	4·6	295	4·1	315	3·9	300	3·6	295	3·4	295	2·5	270	1·4	265	1·3	255	1·0	245	0·6	260	0·6	245	1·0	3·6	25
210	2·5	195	2·4	170	1·5	170	1·6	190	2·5	200	3·2	195	3·6	185	1·9	180	3·0	175	2·8	175	3·0	200	3·2	1·8	26
225	3·6	225	4·1	230	3·8	225	3·1	205	4·4	215	3·6	210	3·0	225	2·0	215	2·6	225	2·2	220	1·8	185	1·0	3·3	27
185	3·2	190	4·8	180	4·4	205	5·1	190	3·5	200	3·8	190	1·6	200	1·8	215	2·1	210	1·1	205	0·9	160	0·2	2·6	28
270	4·0	270	3·0	265	3·4	250	3·7	230	3·4	215	4·5	220	5·2	220	4·6	200	3·6	200	3·5	205	4·3	210	4·6	3·3	29
270	4·5	255	4·5	240	3·9	235	4·4	225	4·2	235	4·5	220	3·0	225	3·1	225	4·1	225	3·6	225	4·2	225	4·0	4·9	30
---	4·9	---	5·0	---	5·0	---	5·0	---	4·6	---	4·1	---	3·6	---	3·3	---	3·3	---	3·2	---	3·1	---	3·2	3·8	

OCTOBER, 1935

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	
230	5.3	210	6·4	225	7·0	225	7·3	230	6·0	230	4·1	240	3·5	260	4·8	265	4·4	275	4·4	280	3·6	275	3·6	5·1	1
195	4·0	185	4·0	185	3·8	180	5·0	180	4·9	170	5·0	155	6·1	160	7·2	180	6·0	230	3·9	210	3·6	215	3·8	3·4	2
180	4·0	170	3·0	155	3·0	150	2·5	140	2·3	125	1·1	85	1·5	125	2·3	90	2·0	90	2·3	85	3·2	65	1·9	2·7	3
145	3·2	140	4·4	140	2·7	145	3·4	155	2·3	160	2·9	145	2·5	140	3·1	130	2·5	130	1·8	150	3·7	150	3·4	2·9	4
220	4·5	215	6·5	215	4·6	220	4·9	215	3·5	200	3·5	210	3·5	200	3·1	200	2·3	195	2·2	205	1·4	200	0·6	3·2	5
305	1·4	235	1·2	215	2·8	220	1·8	225	1·5	220	1·0	290	0·3	230	0·8	245	0·6	300	0·8	200	1·1	235	0·7	1·0	6
230	1·5	265	1·6	290	1·3	235	1·0	235	1·6	215	2·0	205	2·3	200	2·6	205	2·9	200	2·0	190	1·9	190	2·1	1·2	7
210	5·1	230	4·4	245	5·0	245	4·4	265	3·4	235	2·5	220	3·8	230	3·9	225	4·4	225	4·1	225	4·1	225	5·0	4·1	8
225	7·5	220	9·0	210	8·4	205	7·1	195	6·9	195	8·1	200	8·8	205	9·4	215	9·9	220	10·0	220	10·5	220	9·0	6·4	9
270	8·9	265	7·9	255	8·8	265	6·8	255	7·5	245	5·9	240	3·9	225	3·9	225	5·6	225	4·4	225	3·4	225	3·3	6·6	10
275	4·1	275	3·7	285	3·4	250	3·9	240	2·5	235	2·5	245	2·9	240	1·8	255	2·0	245	1·9	240	1·5	240	1·2	3·0	11
275	3·1	245	5·1	265	3·8	250	3·5	255	2·3	240	1·5	250	1·1	205	1·3	205	1·5	205	1·5	220	1·4	225	1·9	2·1	12
225	3·7	225	3·2	225	4·9	230	3·4	225	3·0	225	3·1	210	2·9	215	2·4	205	2·8	200	3·3	205	2·8	210	3·5	2·3	13
235	2·5	235	2·4	235	2·5	245	1·6	235	1·8	235	1·5	230	1·5	205	1·2	200	1·5	210	1·6	240	1·4	235	1·3	2·5	14
235	3·9	235	5·0	230	3·9	225	4·8	220	5·2	215	5·0	215	5·0	220	6·0	225	4·8	225	5·5	225	5·0	230	4·0	3·8	15
220	4·8	215	4·2	220	4·5	225	3·9	225	3·6	225	3·5	225	3·2	240	2·2	225	2·3	240	1·8	240	1·5	10	3·1	3·5	16
245	3·8	245	4·0	245	4·6	245	4·7	225	4·6	235	3·5	235	4·3	235	3·5	255	4·0	235	4·9	225	4·1	230	3·6	2·9	17
250	2·9	230	4·4	230	3·9	225	5·6	210	5·8	215	6·5	220	8·4	225	9·5	230	8·0	230	9·9	220	10·1	225	9·9	4·9	18
265	10·0	265	9·9	260	10·1	265	9·8	265	8·4	265	7·1	255	6·6	255	6·8	255	6·4	260	6·9	255	7·2	260	5·4	8·5	19
345	5·9	345	6·4	350	6·3	350	5·1	350	3·2	335	2·0	330	1·5	330	2·2	330	2·0	330	2·4	330	1·8	310	1·0	4·0	20
340	3·1	335	3·1	325	2·5	320	2·0	275	1·5	235	1·8	230	2·3	215	2·3	220	3·8	220	3·9	220	3·5	225	2·5	2·1	21
20	2·6	30	1·9	15	1·1	15	1·4	5	1·6	340	1·5	15	2·3	50	1·5	90	1·2	95	1·2	165	1·3	95	1·8	2·2	22
170	5·1	170	5·5	160	5·5	170	5·5	160	3·9	135	3·5	125	3·3	130	3·2	125	3·4	120	2·5	105	2·4	100	2·5	3·1	23
95	4·8	85	4·8	85	5·4	85	4·4	75	2·8	65	2·8	50	3·7	40	1·8	20	1·8	15	1·6	15	1·8	20	2·8	2·8	24
20	3·2	20	3·4	360	3·8	360	3·7	345	2·3	345	1·9	330	1·9	335	1·5	320	1·0	320	1·0	305	0·9	230	0·9	2·2	25
245	1·8	235	2·5	225	3·7	240	3·5	230	3·5	230	3·2	230	3·6	230	3·1	230	3·6	240	2·8	235	3·0	245	3·8	2·0	26
260	8·1	265	8·4	265	8·8	260	9·5	260	7·7	255	7·9	260	7·5	260	8·1	260	7·8	255	7·2	255	7·6	260	7·2	6·6	27
295	2·8	295	3·6	295	3·4	295	3·3	290	1·5	265	2·2	265	3·0	255	2·9	245	2·8	245	3·1	255	3·2	250	3·3	3·9	28
240	8·0	240	8·1	240	6·9	250	7·6	265	7·5	285	8·8	285	6·9	280	4·8	265	3·5	255	4·5	245	3·5	235	3·8	5·8	29
215	9·0	220	10·0	215	9·1	220	10·2	220	10·4	215	10·1	225	9·4	225	8·6	220	8·0	215	10·2	215	10·0	215	10·2	7·5	30
220	9·4	210	6·4	205	8·5	205	10·6	210	10·5	205	9·7	210	8·6	230	7·8	230	5·3	225	4·9	225	4·0	220	4·4	7·2	31
---	4·7	---	5·0	---	5·0	---	4·9	---	4·3	---	4·1	---	4·1	---	4·0	---	3·8	---	3·8	---	3·7	---	3·6	3·9	
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

Direction 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	215	3·6	185	1·8	180	2·8	175	3·2	155	2·9	155	3·0	165	4·8	190	7·4	195	9·5	190	10·0	210	6·3	220	6·5
2	100	1·1	125	2·5	120	2·9	115	2·0	105	2·0	155	5·0	155	5·5	155	5·2	160	6·0	160	5·6	165	5·5	175	5·9
3	130	2·0	85	0·9	110	2·6	100	1·8	95	1·5	75	0·9	110	2·5	105	2·0	100	2·5	135	4·5	140	5·8	140	7·3
4	165	0·3	180	0·8	175	1·5	185	2·3	175	1·9	160	2·5	150	3·0	140	3·3	150	2·6	135	3·2	135	3·5	160	4·0
5	65	1·4	40	1·0	325	0·9	325	1·4	320	1·8	270	1·0	215	0·8	120	0·2	220	1·1	230	1·0	235	2·2	250	1·0
6	250	3·4	245	2·9	245	2·5	245	2·9	225	2·5	215	2·1	215	1·6	215	1·4	205	1·2	220	3·0	225	2·9	215	4·1
7	190	1·1	200	0·6	90	0·4	55	0·9	65	1·0	70	1·0	75	1·7	55	1·4	85	2·6	80	2·6	90	4·0	90	4·2
8	230	4·0	230	4·0	225	3·8	220	3·0	265	1·5	240	0·5	130	0·3	10	0·3	60	0·4	135	0·5	185	1·9	185	4·4
9	145	2·9	130	1·9	155	2·5	160	2·8	150	3·0	140	3·1	155	5·0	160	5·6	155	6·6	175	6·3	205	3·9	210	4·4
10	185	6·2	185	5·5	185	5·4	180	5·1	180	5·3	170	6·0	165	6·3	165	7·4	165	8·1	175	7·3	185	7·6	185	6·2
11	165	2·0	165	2·0	170	1·0	200	0·4	225	0·2	160	0·1	285	0·2	255	0·2	280	0·5	290	0·2	235	0·5	255	1·0
12	185	7·6	180	7·8	165	7·8	170	7·9	200	6·3	250	2·4	235	3·0	235	2·6	230	3·5	250	3·9	145	3·8	240	4·4
13	165	3·6	165	3·5	170	4·4	165	4·9	155	3·7	110	2·5	110	0·9	160	2·0	160	2·5	180	2·5	200	3·5	215	3·6
14	220	3·8	220	3·9	210	2·7	195	3·6	190	3·4	185	3·4	185	4·2	190	5·0	185	5·5	195	6·8	195	7·5	195	8·4
15	185	7·3	180	7·3	180	6·9	175	7·1	170	7·4	160	6·8	155	6·3	140	6·3	155	6·6	170	6·6	180	6·4	175	5·1
16	170	2·9	170	3·5	175	3·5	170	2·5	190	4·4	175	3·7	185	3·9	175	3·8	200	5·2	200	5·3	195	2·7	185	4·5
17	85	5·9	95	6·0	115	4·4	100	4·3	95	5·0	85	6·5	80	5·9	75	5·8	60	4·4	40	3·0	335	3·5	315	4·2
18	255	6·0	245	5·8	250	5·8	245	5·5	250	5·8	255	5·5	255	4·7	255	3·9	250	4·5	245	3·7	260	4·4	265	5·0
19	240	3·5	235	4·1	240	2·7	225	2·9	225	3·8	215	1·3	215	0·4	85	1·0	120	0·7	110	1·2	140	2·5	155	3·8
20	90	3·5	80	3·5	80	3·8	100	3·2	(105)	3·7	(110)	3·7	(110)	2·8	(115)	3·8	110	3·2	105	3·8	95	5·1	90	5·0
21	235	2·8	225	3·8	220	1·8	200	1·9	230	2·3	185	1·2	230	0·3	210	0·4	240	0·6	255	0·8	305	0·2	290	0·2
22	50	1·6	35	1·4	35	1·3	10	1·0	15	1·0	25	2·2	40	2·5	50	3·5	40	2·5	40	2·3	40	2·3	45	2·4
23	30	2·2	40	3·4	40	3·9	30	3·2	30	2·9	30	3·1	30	2·3	45	2·0	35	2·9	10	3·9	20	3·8	40	3·8
24	5	2·4	10	4·5	5	3·9	355	2·1	340	2·4	315	0·9	340	1·0	310	0·4	250	1·0	300	0·6	350	2·5	10	4·1
25	245	0·8	235	1·4	225	1·5	240	0·8	225	1·0	235	0·5	230	1·0	260	0·9	215	0·5	250	0·5	230	1·3	240	1·3
26	190	1·5	215	1·3	235	1·0	210	1·3	205	2·4	245	1·7	225	2·0	215	4·0	215	4·8	220	5·3	230	5·9	230	6·4
27	240	2·9	245	3·3	255	3·2	250	3·4	245	3·6	225	3·4	235	3·9	220	2·5	215	2·2	235	2·9	235	2·6	245	3·7
28	195	4·5	190	4·3	195	5·7	210	5·5	225	5·8	220	6·0	230	6·6	230	7·0	230	7·1	235	6·5	230	7·6	230	6·7
29	255	3·5	255	4·4	275	3·5	270	2·5	260	2·7	235	2·4	230	3·0	240	3·5	245	3·5	245	3·4	235	3·4	250	3·6
30	225	3·5	225	4·3	225	5·0	230	5·9	225	6·2	225	5·5	225	5·7	225	5·8	220	6·3	225	6·5	220	8·3	240	8·6
Mean	---	3·3	---	3·4	---	3·3	---	3·2	---	3·2	---	2·9	---	3·1	---	3·3	---	3·6	---	3·8	---	4·0	---	4·5

522. 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	260	5·6	245	5·6	235	5·4	235	7·0	245	6·5	255	6·4	265	8·5	270	5·4	255	3·9	245	4·7	260	5·7	265	5·8
2	265	5·5	255	4·9	255	5·0	255	5·0	255	4·5	255	4·8	260	5·0	255	4·5	250	5·1	260	5·1	275	7·2	275	8·8
3	255	4·3	260	3·3	245	2·5	240	4·1	220	3·5	220	3·4	215	2·3	220	2·0	225	2·1	235	3·3	220	2·3	250	3·3
4	250	3·3	250	3·4	255	4·2	245	3·5	255	4·0	245	3·5	245	4·0	260	4·1	285	5·4	290	6·7	295	4·2	295	5·0
5	80	2·3	100	2·8	95	3·2	45	3·9	45	4·8	40	3·3	40	2·6	25	2·5	40	2·8	40	2·6	10	1·1	330	1·4
6	210	2·3	215	2·4	225	2·3	230	2·2	235	1·8	225	3·0	195	1·6	210	1·4	220	1·0	200	1·5	180	1·4	130	0·8
7	335	1·0	350	1·0	315	0·6	350	0·5	290	0·3	320	0·5	335	0·9	325	2·0	345	1·1	360	0·1	125	0·4	240	1·0
8	240	3·1	240	2·6	230	2·0	225	1·2	245	2·2	260	3·1	245	4·2	245	3·4	215	2·3	215	3·5	255	2·9	260	3·5
9	280	3·0	285	2·5	295	1·0	255	0·9	250	1·3	335	2·0	355	2·8	360	4·5	5	5·1	10	4·9	360	6·3	15	6·0
10	25	5·8	15	5·9	20	7·3	30	7·4	20	6·0	30	6·5	40	7·9	35	9·3	25	8·5	20	9·6	30	9·7	35	10·0
11	40	8·5	45	7·6	45	9·8	45	8·8	40	9·2	45	9·0	50	8·7	50	8·0	55	6·5	55	6·8	55	6·8	55	8·0
12	65	7·2	60	5·6	55	6·1	65	7·0	55	6·2	50	5·2	55	5·6	50	6·4	50	6·3	60	6·5	55	6·0	55	6·0
13	20	3·8	20	3·8	30	3·8	40	5·2	60	7·3	65	7·1	95	4·9	60	2·2	10	2·4	10	2·8	20	2·4	10	3·4
14	10	2·1	15	2·1	15	2·5	10	2·5	15	1·6	15	2·0	20	2·1	35	2·0	45	2·8	55	3·0	40	2·5	35	1·6
15	130	0·9	120	1·4	115	1·4	115	1·7	115	1·6	145	0·6	190	2·2	200	3·0	210	4·3	210	3·8	215	3·5	230	3·1
16	220	6·0	225	7·5	255	9·2	245	5·8	245	4·8	240	4·2	240	5·5	245	7·8	260	9·0	265	9·7	275	10·0	275	12·0
17	200	1·7	215	1·6	230	1·0	220	1·3	230	1·5	230	1·0	350	0·5	310	0·3	10	0·2	350	0·3	305	0·2	320	0·5
18	290	2·1	310	2·3	315	2·5	310	2·0	330	2·6	270	1·0	230	2·1	230	1·9	220	1·4	230	1·9	230	1·8	225	2·1
19	85	3·0	75	2·9	70	3·0	70	3·5	60	3·1	50	2·4	40	2·3	50	2·9	35	2·0	25	1·0	30	1·8	30	2·0
20	330	2·4	330	3·0	320	2·0	310	1·5	285	1·4	265	1·0	290	1·0	265	1·4	250	1·6	230	1·6	225	2·5	230	1·9
21	265	1·2	255	1·8	270	1·6	265	1·5	255	1·5	235	2·4	225	2·1	240	2·0	245	2·0	255	1·9	250	1·4	250	1·0
22	225	2·5	220	2·5	220	1·8	230	2·3	230	1·5	220	1·6	240	1·9	220	2·0	230	0·4	260	0·6	235	1·4	240	2·1
23	225	1·4	265	0·4	270	0·1	---	0·0	330	0·6	355	0·6	300	0·3	360	0·2	330	0·1	360	0·1	250	0·1	270	0·3
24	90	4·2	90	5·1	95	5·2	90	5·4	90	7·0	90	6·1	90	7·6	95	5·9	110	4·4	110	4·5	95	4·3	95	4·8
25	110	3·2	105	3·0	85	2·0	80	1·5	90	1·5	140	2·0	200	2·5	200	1·9	205	2·5	205	4·4	(195)	4·7	(195)	5·5
26	(140)	6·2	(140)	5·5	(140)	5·5	(140)	5·0	(140)	3·4	(140)	4·8	(130)	3·5	140	3·6	150	4·2	165	4·0	190	5·1	200	4·8
27	195	6·3	190	5·5	180	6·0	180	7·2	170	6·5	145	6·5	145	8·0	155	8·1	165	7·7	170	7·4	170	6·5	170	6·0
28	100	2·0	120	2·3	90	3·3	95	4·8	105	3·9	140	3·3	180	4·4	190	4·2	190	4·0	190	5·0	190	4·8	200	3·6
29	230	0·5	220	1·0	215	1·3	170	0·5	215	1·8	225	2·3	210	0·4	195	1·5	175	2·1	180	2·7	200	3·5	205	3·8
30	185	9·1	195	9·8	195	8·0	200	5·5	200	4·8	200	7·0	195	7·5	195	6·0	185	6·5	190	8·5	185	6·4	185	6·6
31	240	8·4	245	7·5	240	6·9	235	5·5	230	5·2	220	5·2	195	3·5	190	3·5	190	5·3	185	6·5	190	7·9	195	7·4
Mean	---	3·9	---	3·8	---	3·8	---	3·7	---	3·6	---	3·6	---	3·8	---	3·7	---	3·6	---	4·0	---	4·0	---	4·3
Annual Mean	---	3·2	---	3·2	---	3·2	---	3·2	---	3·2	---	3·3	---	3·4	---	3·6	---	3·9	---	4·3	---	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) = 5 metres + 23 metres

NOVEMBER, 1935

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	
230	5·4	245	5·6	245	3·0	220	2·9	210	2·8	205	2·0	185	2·0	170	1·8	170	2·3	160	2·5	105	1·0	90	1·0	3·9	1
185	4·9	185	5·0	185	5·4	180	5·0	175	4·5	180	4·3	180	3·5	175	3·5	165	2·5	160	2·7	150	2·4	145	2·9	4·0	2
150	7·0	145	6·5	145	6·9	140	6·0	135	5·8	140	5·6	150	5·8	140	3·9	160	5·4	165	5·0	195	3·6	210	2·1	4·1	3
155	6·2	140	5·7	145	6·0	140	4·5	110	3·4	100	3·1	100	3·2	85	4·3	90	4·4	85	3·4	60	2·9	50	1·9	3·2	4
255	0·5	300	0·2	250	1·8	230	1·6	225	1·4	225	1·4	215	1·9	235	3·0	265	4·6	270	3·9	260	3·4	260	3·4	1·7	5
200	4·4	200	5·3	195	3·9	195	3·4	200	3·4	190	2·3	190	2·0	200	1·6	185	1·8	185	2·0	190	1·6	190	1·6	2·7	6
75	6·7	55	6·2	45	5·9	25	7·4	10	7·2	335	6·0	315	6·0	300	7·0	275	6·4	265	6·5	260	6·0	260	5·9	4·1	7
185	3·9	180	3·6	175	3·0	160	2·5	120	1·5	130	2·2	140	1·3	160	3·1	140	3·4	120	3·3	125	2·9	145	3·0	4·4	8
215	5·9	215	4·5	215	5·1	210	3·8	195	2·8	160	2·5	175	3·7	170	4·7	145	3·5	175	5·8	190	5·8	165	5·2	4·2	9
185	5·0	190	5·2	220	4·6	210	3·0	195	1·6	170	2·7	230	1·3	160	2·2	185	2·4	170	3·1	155	2·7	180	1·0	4·6	10
235	1·9	225	3·4	215	4·6	200	3·1	180	2·8	180	3·2	180	4·2	180	4·1	175	4·1	180	5·3	185	7·4	185	7·3	2·5	11
225	3·5	235	5·0	225	5·0	195	4·8	180	3·6	190	4·4	180	4·2	185	4·0	210	3·5	170	3·5	180	4·0	185	4·9	4·6	12
220	5·0	210	3·5	215	3·4	215	3·6	225	3·6	230	3·7	230	3·8	230	3·7	240	3·7	235	3·4	230	2·9	220	3·0	3·4	13
200	7·8	195	8·0	190	6·9	190	7·2	190	7·3	185	7·8	190	7·5	190	7·5	190	7·5	185	7·5	185	7·8	185	6·9	6·2	14
185	6·4	185	5·8	225	5·3	225	3·8	195	1·9	185	3·0	180	2·8	165	3·5	180	4·2	210	2·5	180	2·7	175	2·6	5·2	15
180	4·0	195	6·0	165	3·3	140	1·5	105	1·6	110	2·2	105	2·2	110	2·8	120	3·6	105	3·2	100	3·1	85	4·5	3·5	16
300	4·9	285	6·5	295	8·1	285	7·5	275	7·3	275	7·7	285	8·2	255	6·5	255	7·5	250	7·3	255	7·2	255	6·6	6·0	17
265	4·4	260	4·0	255	4·7	255	5·2	260	5·1	250	5·4	250	4·7	260	5·0	260	4·9	260	4·8	260	3·9	250	3·9	3·9	18
160	6·1	145	5·6	135	5·5	125	6·3	125	5·5	130	6·2	130	6·1	125	5·4	120	4·3	120	3·4	115	3·2	95	3·2	3·7	19
75	5·5	90	6·2	85	4·1	70	4·4	75	4·4	85	5·9	90	6·3	90	5·7	85	4·3	85	3·0	95	3·0	125	3·8	4·4	20
310	0·2	360	1·1	10	1·4	30	2·0	25	1·5	45	1·5	135	0·9	85	0·5	95	1·1	115	1·0	80	1·3	80	1·5	1·3	21
40	2·2	50	1·4	45	3·9	45	3·8	50	4·2	50	3·7	40	3·7	45	3·6	55	3·5	45	3·5	55	3·2	30	2·0	2·6	22
40	4·9	40	5·1	35	4·5	35	4·9	35	4·2	20	3·5	30	3·9	20	3·5	20	3·5	10	1·5	10	1·6	15	3·0	3·4	23
10	3·4	5	3·0	10	3·5	15	1·6	35	1·5	290	1·4	320	1·5	330	1·3	300	1·0	265	0·6	240	0·7	245	0·9	1·9	24
215	1·8	195	1·5	195	1·0	200	1·5	205	2·2	225	1·5	200	2·4	215	2·0	210	1·6	220	1·5	210	1·1	240	1·0	1·3	25
225	6·7	230	6·0	230	6·0	225	5·1	225	4·0	225	3·5	240	3·6	225	3·5	240	3·2	230	2·6	230	3·1	230	2·5	3·6	26
245	3·9	245	3·6	250	3·0	245	2·8	240	2·5	230	2·1	210	2·1	210	3·0	205	3·6	210	4·8	200	3·5	200	3·7	3·2	27
235	7·7	255	7·8	255	7·6	255	7·1	270	5·1	270	4·9	270	4·5	265	4·5	260	4·9	255	4·4	255	4·1	260	3·8	5·8	28
255	5·7	255	5·7	245	5·0	225	3·9	225	4·4	215	5·1	225	5·1	225	5·7	225	5·8	230	5·0	230	4·6	230	3·5	4·1	29
240	7·8	240	5·7	230	5·7	230	6·7	215	6·5	210	7·5	210	10·2	205	10·6	215	10·7	245	10·3	245	8·5	260	8·0	7·1	30
---	4·8	---	4·8	---	4·6	---	4·2	---	3·8	---	3·9	---	4·0	---	4·1	---	4·1	---	3·9	---	3·6	---	3·5	3·8	

DECEMBER, 1935

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	
265	6·6	270	6·5	265	7·0	260	7·3	260	6·9	270	6·2	265	5·9	260	7·4	265	7·9	265	8·0	265	7·8	270	7·5	6·5	1
280	9·2	280	8·7	280	8·3	270	6·9	255	6·0	270	5·8	275	5·0	270	4·4	275	4·9	285	5·5	260	3·8	265	5·0	5·8	2
255	2·4	255	2·6	255	2·1	235	1·9	235	2·2	240	1·8	250	2·1	265	2·6	270	2·9	265	3·0	245	2·5	260	3·0	2·8	3
295	4·4	295	5·7	285	4·4	270	3·0	245	2·0	220	2·1	185	1·6	185	1·7	145	1·0	80	1·1	80	1·8	120	1·8	3·4	4
350	2·9	335	1·9	330	2·3	315	1·8	270	1·5	230	1·5	215	2·0	225	1·7	235	1·6	235	1·5	205	2·8	230	2·1	2·4	5
140	0·1	130	0·4	175	0·8	240	0·1	15	0·1	20	0·1	315	0·3	330	0·7	310	0·6	315	0·5	345	0·7	5	0·7	1·1	6
280	0·7	255	0·6	225	1·1	205	1·0	195	1·6	195	1·1	200	1·3	190	1·8	210	2·0	180	2·8	240	1·2	205	2·5	1·1	7
265	2·6	265	3·5	265	3·9	250	2·5	275	2·5	295	2·9	270	3·0	275	3·4	275	3·7	275	4·1	275	3·9	280	3·1	3·0	8
10	5·8	5	6·8	5	5·0	15	6·8	15	7·0	15	6·4	20	6·2	25	5·5	20	6·4	20	7·1	20	6·5	20	6·9	4·9	9
35	12·2	40	11·5	35	11·9	30	11·8	25	9·6	30	9·9	25	8·8	25	9·5	35	10·0	40	11·3	40	8·6	40	9·6	9·1	10
55	7·4	60	8·5	55	10·0	55	7·6	55	7·7	60	8·4	60	7·4	60	7·3	60	6·5	60	6·8	60	6·3	55	6·4	7·8	11
55	5·8	55	5·9	60	5·9	50	6·2	55	6·4	55	6·8	40	5·0	35	5·0	35	4·9	30	4·8	30	4·6	35	4·1	5·8	12
15	3·9	5	5·5	10	4·8	10	5·6	10	5·5	15	5·8	10	4·4	10	4·0	10	3·8	15	3·2	10	3·0	10	3·0	4·2	13
50	1·2	185	1·4	200	1·6	220	1·5	205	1·4	160	1·8	170	2·2	150	2·5	160	2·0	155	2·3	155	1·7	145	1·7	2·0	14
240	2·5	245	2·7	240	4·3	230	5·0	250	4·4	260	4·4	275	4·0	290	4·4	260	2·8	240	3·2	230	3·4	220	4·6	3·1	15
280	10·7	280	9·0	310	7·6	290	5·0	275	3·6	290	3·0	260	2·1	255	1·5	235	1·5	220	1·2	225	2·0	230	2·1	5·9	16
10	3·1	360	4·0	325	1·9	330	2·5	330	2·9	350	3·5	350	3·2	325	3·0	320	2·2	325	2·3	330	3·8	340	3·0	1·9	17
220	2·0	225	2·3	215	1·7	225	0·8	170	0·6	160	0·3	130	0·3	105	0·3	100	0·7	95	1·2	75	1·5	80	2·4	1·6	18
15	1·6	10	3·0	360	3·1	10	3·2	10	2·5	15	2·5	360	2·0	345	1·9	345	1·7	360	2·6	360	1·9	320	1·5	2·4	19
255	1·4	310	1·0	290	1·8	285	1·4	325	1·3	340	1·0	325	1·8	300	1·6	295	1·0	285	0·8	290	0·8	260	1·3	1·5	20
245	1·2	250	1·7	270	2·0	275	2·7	265	2·6	255	1·4	245	1·5	225	2·2	225	1·9	225	2·5	230	2·5	225	2·6	1·9	21
250	2·1	265	2·8	245	2·5	235	2·5	230	1·8	240	1·7	230	1·2	210	1·6	235	1·4	280	0·8	330	0·3	275	0·8	1·7	22
315	0·5	10	0·5	230	0·6	245	0·3	50	0·2	65	1·5	85	1·8	90	1·6	90	2·5	90	2·5	85	3·7	80	3·6	1·0	23
100	4·4	100	3·2	90	3·0	85	2·5	135	2·3	140	2·3	135	2·5	130	3·2	115	3·1	120	2·8	120	2·9	120	3·1	4·2	24
190	4·6	190	5·2	180	4·3	175	4·6	180	5·0	160	4·0	150	3·4	165	5·7	155	6·9	(145)	6·5	(140)	6·1	(140)	5·8	4·0	25
215	5·0	240	6·2	240	5·7	220	4·5	215	5·8	210	6·5	215	8·1	210	6·4	210	6·5	205	7·0	200	6·9	195	5·8	5·4	26
185	3·5	235	5·7	245	8·2	235	6·2	215	6·0	210	5·9	210	7·0	210	4·5	190	3·0	180	3·0	155	2·8	145	2·3	5·8	27
205	3·3	230	4·5	305	2·8	310	2·9	325	3·4	310	1·9	310	1·7	300	1·5	260	1·0	260	1·1	270	1·1	275	1·9	3·0	28
210	5·5	205	4·9	210	4·5	210	4·4	200	3·5	185	3·4	200	4·0	180	5·2	185	6·4	185	7·1	185	8·7	185	10·4	3·7	29
185	7·6	185	7·1	180	7·9	170	7·7	180	9·1	190	6·3	195	5·8	215	7·0	220	7·5	230	8·6	230	7·8	240	8·2	7·3	30
205	8·2	210	6·5	215	6·1	215	5·9	205	5·1	210	5·6	200	4·1	200	5·0	190	3·7	180	3·5	180	4·4	175	4·2	5·6	31
---	4·3	---	4·5	---	4·4	---	4·1	---	3·9	---	3·7	---	3·5	---	3·7	---	3·6	---	3·8	---	3·7	---	3·9	3·9	
---	5·0	---	5·0	---	5·0	---	4·8	---	4·6	---	4·3	---	4·1	---	3·8	---	3·6	---	3·5	---	3·4	---	3·3	3·9	
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

0-1h 1st January, 1936. 165 4·5

523. KEW OBSERVATORY: h_a = 5 metres + 23 metres 1935

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	11	20 5	16	23 50	9	15 35	17	14 55	10	19 35	7	17 35	11	11 20	8	15 10	10	12 20	18	12 15	23	9 25	21	6 30
2	11	13 30	21	6 45	8	3 25	22	11 45	11	11 40	13	12 20	15	14 30	13	11 50	18	15 30	15	19 40	14	12 10	19	12 30
3	11	18 20	19	14 50	9	23 20	27	13 25	16	18 50	15	15 45	12	19 50	6	14 20	15	12 50	11	9 10	15	11 25	10	8 45
4	18	13 35	16	5 25	9	10 30	17	10 55	14	11 10	15	12 50	14	17 30	9	16 25	11	15 15	10	14 5	12	14 10	15	9 30
5	15	1 15	13	16 5	11	14 40	18	15 0	6	15 45	11	14 55	15	10 40	5	12 30	13	15 5	12	13 40	11	20 55	10	4 20
6	13	21 30	22	15 10	7	13 40	16	14 30	9	12 45	18	23 45	13	8 50	6	12 40	9	9 35	7	14 40	11	13 40	6	5 10
7	13	10 45	17	0 20	8	15 25	19	8 10	13	19 15	26	16 40	10	16 10	9	18 45	10	20 0	6	19 10	14	21 45	7	22 10
8	9	4 15	16	10 5	21	23 55	14	3 50	14	15 50	18	13 15	10	9 40	8	13 10	8	10 45	16	9 35	10	11 30	11	23 5
9	4	7 10	12	11 50	26	10 55	19	12 15	18	14 40	10	23 20	8	9 15	11	11 10	8	21 10	21	21 45	14	22 25	15	22 30
10	11	12 20	6	12 25	21	15 20	26	21 50	17	10 20	12	17 55	9	18 50	13	13 5	8	12 35	20	5 55	17	11 15	22	21 35
11	21	17 35	9	23 45	20	4 5	21	6 5	14	15 35	21	12 30	10	23 0	10	12 55	9	12 50	13	11 45	17	23 20	21	3 50
12	17	13 45	18	8 45	17	12 40	15	17 55	17	12 30	18	15 40	11	16 35	15	17 10	12	14 45	11	13 45	17	0 40	14	18 10
13	5	23 55	15	8 20	12	14 35	12	14 20	12	12 15	15	7 55	11	15 10	17	12 5	13	2 5	11	14 30	11	2 15	14	4 45
14	17	13 35	18	13 30	10	4 5	13	14 50	19	13 50	10	11 35	9	13 30	9	13 5	19	12 5	9	4 25	19	13 40	7	10 0
15	7	8 50	20	19 55	9	4 55	12	15 40	20	0 10	13	15 15	8	5 25	7	15 15	17	16 35	12	22 10	17	4 35	13	19 5
16	6	14 0	26	20 50	13	16 20	23	12 35	18	15 5	17	14 55	12	18 0	7	13 10	25	21 55	10	13 55	16	8 40	23	11 35
17	14	19 25	20	0 10	7	16 20	15	17 0	14	12 50	12	15 45	17	13 50	7	14 20	31	2 50	12	15 10	19	14 40	9	22 40
18	16	8 55	18	23 40	9	14 10	17	10 30	16	17 15	16	13 35	13	15 35	9	15 55	17	12 20	21	21 45	14	0 10	8	0 10
19	11	12 5	17	9 20	12	12 5	16	15 45	14	12 20	10	15 20	15	14 40	9	15 20	25	12 40	25	13 10	12	18 30	7	15 10
20	8	5 15	25	13 10	7	15 15	12	17 45	11	12 25	13	10 25	16	17 55	9	18 30	16	0 55	16	11 40	11	17 55	8	0 55
21	13	15 55	21	13 55	10	14 5	16	10 15	17	12 25	12	5 45	13	11 55	14	13 40	8	15 15	10	21 50	10	1 35	6	16 10
22	11	11 0	22	6 10	19	16 25	16	12 35	19	21 0	10	14 50	7	2 10	15	14 40	15	13 15	10	8 20	9	16 45	7	13 10
23	8	14 40	17	8 55	18	11 5	10	16 50	22	13 10	12	16 50	6	16 45	13	14 40	12	11 55	12	12 0	11	14 35	7	22 5
24	14	23 55	26	22 50	13	8 50	15	17 50	22	12 30	13	15 40	12	17 5	11	17 30	17	23 35	10	14 5	9	1 45	13	6 45
25	23	16 0	21	10 50	13	16 20	15	22 15	21	0 10	22	13 55	10	12 25	5	15 25	18	2 20	9	15 15	4	18 15	14	21 45
26	27	5 0	16	3 5	9	15 55	19	12 10	14	18 45	17	14 40	10	18 30	10	23 0	9	13 10	9	15 15	14	12 45	16	17 35
27	17	13 30	21	7 45	11	11 5	15	4 5	13	4 15	13	10 55	15	14 15	12	1 30	11	17 10	21	14 10	10	2 20	18	13 50
28	11	4 45	13	11 20	9	13 45	13	3 25	10	16 20	8	10 55	15	12 50	9	16 45	11	13 30	15	1 45	16	13 50	12	10 40
29	6	14 15	-	- -	12	10 30	8	20 50	13	15 45	10	18 25	13	7 55	8	10 30	13	11 10	20	17 45	12	13 35	20	23 40
30	7	17 40	-	- -	15	10 55	8	19 10	12	3 25	11	11 45	11	16 10	15	12 40	17	8 5	21	21 45	23	22 5	20	16 40
31	16	11 25	-	- -	11	11 35	-	- -	8	3 55	-	- -	12	14 40	19	9 25	-	- -	19	16 50	-	- -	17	0 35

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES PRESSURE TUBE ANEMOMETER

524. KEW OBSERVATORY: h_a = 5 metres + 23 metres 1935

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	2	5	132	474	133	0	345	12	26 14 30	27	26 5 0
Feb. ...	---	0	5	32	283	311	46	0	210	13	20 14 30	26	16 20 50
Mar. ...	---	0	2	8	140	427	169	0	60	14	9 11 30	26	9 10 55
Apr. ...	---	0	2	16	256	376	72	0	225	13	10 14 30	27	3 13 25
May ...	---	0	2	9	300	322	113	0	45	12	23 14 30	22	24 12 30
June ...	---	0	2	8	194	454	64	0	220	13	7 16 30	26	7 16 40
July ...	---	0	0	0	62	541	141	0	225	7	19 14 30	17	17 13 50
Aug. ...	---	0	0	0	47	389	308	0	215	9	31 15 30	19	31 9 25
Sept. ...	---	0	2	10	140	451	119	0	210	16	17 2 30	31	17 2 50
Oct. ...	---	0	1	1	160	451	132	0	225	11	19 2 30	25	19 13 10
Nov. ...	---	0	0	0	165	436	119	0	215	11	30 20 30	23	1 9 25
Dec. ...	---	0	2	6	204	393	141	0	35	12	10 12 30	23	16 11 35
Year ...	---	0	20	95	2083	5025	1557	0	210	16	Sept. 17 2 30	31	Sept. 17 2 50

525. KEW OBSERVATORY: Readings in degrees absolute at 9h., Greenwich Mean Time 1935

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	81·0	82·0	76·7	80·0	78·1	80·2	81·8	81·3	83·5	82·3	86·2	84·1	92·4	87·8	91·6	89·4	90·0	89·2	86·7	88·0	84·0	85·0	79·7	82·2
2	81·7	82·0	77·9	79·9	78·2	80·2	81·1	81·4	82·3	82·4	86·7	84·2	92·4	87·9	91·1	89·6	90·2	89·1	85·8	88·0	83·8	85·0	78·9	82·2
3	82·0	82·0	78·0	79·8	78·7	80·1	80·1	81·4	83·7	82·6	86·8	84·3	92·1	88·0	91·0	89·3	89·8	89·2	85·8	87·8	83·8	85·0	78·0	82·1
4	81·6	82·1	79·2	79·9	78·2	80·1	79·5	81·4	84·2	82·7	86·6	84·4	91·9	88·1	90·6	89·5	89·8	89·1	85·7	87·9	84·4	85·0	77·6	82·1
5	80·1	82·1	79·1	80·0	77·9	80·1	78·6	81·3	84·3	82·7	86·2	84·5	92·1	88·2	90·9	89·3	89·6	89·1	86·2	87·4	83·6	85·1	77·0	81·9
6	78·9	82·1	78·9	80·1	78·2	80·1	78·9	81·3	85·2	82·8	86·8	84·7	92·0	88·2	91·9	89·3	89·3	89·1	85·3	87·2	82·8	85·1	76·6	81·8
7	78·2	82·1	77·7	80·1	78·8	80·1	80·0	81·1	86·2	83·0	86·7	84·9	91·8	88·3	92·2	89·2	88·9	89·1	85·0	87·3	81·7	84·9	76·7	81·7
8	77·8	81·9	76·8	80·1	78·0	80·1	80·9	81·1	85·8	83·1	86·6	84·9	91·6	88·4	93·0	89·4	88·5	89·2	85·0	87·1	82·1	84·9	76·7	81·4
9	77·1	81·8	76·0	80·1	76·9	80·1	81·7	81·1	85·0	83·2	86·3	84·8	91·8	88·4	93·3	89·5	88·5	89·1	84·5	87·0	81·0	84·7	77·1	81·2
10	77·0	81·6	75·5	80·1	76·0	80·1	82·7	81·3	84·7	83·4	87·8	85·1	92·2	88·5	92·1	89·6	88·1	88·9	85·6	86·9	81·3	84·5	77·3	81·2
11	77·2	81·3	76·3	79·9	76·1	80·1	82·5	81·3	85·0	83·6	87·7	85·1	93·1	88·7	92·6	89·7	88·0	88·9	85·0	86·9	81·0	84·3	77·8	81·1
12	77·2	81·2	77·4	79·7	76·0	80·0	81·9	81·4	85·4	83·5	87·0	85·1	93·1	88·7	92·1	89·8	88·3	88·8	84·3	86·8	81·2	84·2	78·0	81·1
13	76·5	81·1	79·1	79·6	76·3	79·8	81·1	81·4	84·5	83·7	87·1	85·2	92·6	88·8	91·3	89·8	89·0	88·8	83·7	86·6	80·6	84·1	77·4	81·1
14	77·3	81·0	79·0	79·7	76·8	79·7	81·5	81·5	83·6	83·8	87·8	85·3	93·0	88·8	90·6	89·8	89·0	88·7	84·3	86·4	80·2	83·9	77·0	81·0
15	78·6	80·9	78·3	79·8	77·0	79·6	81·5	81·5	83·3	83·7	87·6	85·3	93·5	89·1	91·0	89·8	88·9	88·7	85·0	86·2	81·3	83·8	76·8	81·0
16	78·7	80·9	79·8	79·6	77·5	79·6	82·4	81·7	83·2	83·7	87·8	85·5	93·7	89·1	91·1	89·6	88·2	88·7	85·4	86·2	80·8	83·8	76·8	80·9
17	78·6	80·8	79·8	79·9	78·9	79·6	81·9	81·7	82·2	83·7	87·8	85·7	93·3	89·1	90·9	89·6	87·9	88·6	85·8	86·2	80·9	83·8	76·4	80·9
18	78·7	80·8	79·1	80·0	78·9	79·7	82·1	81·9	82·3	83·4	87·9	85·7	92·3	89·2	91·2	89·4	87·1	88·6	85·4	86·2	81·0	83·4	76·0	80·8
19	78·6	80·8	79·8	80·1	79·1	79·6	82·9	82·0	82·4	83·3	88·3	85·7	91·3	89·3	91·0	89·5	88·0	88·3	85·3	86·2	80·9	83·3	75·8	80·6
20	78·3	80·8	80·1	80·1	79·8	79·9	83·0	82·1	82·8	83·3	88·7	85·9	91·2	89·3	92·0	89·5	88·7	88·3	84·2	86·2	81·0	83·3	75·8	80·3
21	78·5	80·8	80·7	80·2	80·1	80·0	82·8	82·1	83·0	83·2	88·7	85·9	90·6	89·2	92·2	89·5	88·3	88·2	82·5	86·1	81·4	83·3	75·1	80·1
22	78·4	80·8	80·2	80·3	81·2	80·1	82·7	82·1	83·1	83·2	89·7	85·9	91·0	89·2	92·4	89·5	89·0	88·2	82·0	86·2	81·0	83·2	74·8	80·1
23	78·0	80·8	79·0	80·4	80·9	80·2	82·3	82·1	83·0	83·2	91·6	86·3	92·0	89·2	92·1	89·5	88·0	88·3	81·4	86·0	80·7	83·2	74·8	80·1
24	77·8	80·7	78·3	80·6	81·1	80·4	82·3	82·2	84·4	83·2	92·3	86·4	92·0	89·2	91·4	89·7	87·4	88·2	81·7	85·7	79·4	83·1	74·7	79·9
25	79·0	80·6	78·7	80·4	82·4	80·5	82·0	82·3	84·8	83·2	92·8	86·7	92·1	89·2	90·6	89·8	87·4	88·2	81·7	85·4	78·1	83·1	74·8	79·9
26	78·0	80·6	78·0	80·3	81·5	80·6	82·0	82·3	84·8	83·3	92·1	86·9	92·3	89·2	91·2	89·8	86·4	88·1	81·0	85·1	77·4	83·0	76·2	79·7
27	77·1	80·6	77·5	80·3	81·8	81·0	82·4	82·2	85·1	83·4	91·8	87·1	92·2	89·2	91·4	89·7	87·2	88·1	82·2	85·1	78·1	82·7	77·8	79·4
28	76·4	80·6	79·0	80·2	81·9	81·0	82·1	82·2	85·5	83·5	91·1	87·2	92·5	89·2	89·8	89·5	88·6	88·0	83·8	85·0	78·9	82·6	78·7	79·4
29	75·8	80·3	-	-	82·0	81·1	82·2	82·2	85·8	83·7	91·9	87·4	92·6	89·3	89·6	89·6	88·7	88·0	84·7	85·0	79·7	82·3	78·6	79·5
30	75·3	80·2	-	-	81·3	81·2	83·1	82·3	86·7	83·7	92·4	87·7	92·0	89·3	89·4	89·5	87·7	88·0	83·6	84·9	79·3	82·3	79·0	79·8
31	76·3	80·1	-	-	81·0	81·2	-	-	88·0	84·0	-	-	91·8	89·5	89·6	89·3	-	-	83·7	85·0	-	-	79·5	79·8
Mean	78·2	81·1	78·4	80·0	79·1	80·2	81·7	81·7	84·3	83·3	88·6	85·6	92·2	88·8	91·3	89·5	88·5	88·6	84·3	86·4	81·0	83·9	77·0	80·8

The initial 2 or 3 of the readings is omitted. i.e., 275·0 degrees absolute is written 75·0 Year... 83·8 84·2

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h. to 7h. G.M.T.

Readings in degrees absolute

526. KEW OBSERVATORY 1935

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	78·6	73·0	72·4	79·6	78·0	83·0	85·2	77·5	83·7	78·1	79·1	77·9
2	82·4	79·7	71·1	73·2	69·7	83·9	88·0	77·5	85·8	74·1	74·1	73·5
3	82·3	74·4	73·4	71·3	76·5	80·7	86·3	78·2	82·4	73·4	79·7	71·4
4	75·8	81·3	70·3	69·3	80·9	80·8	86·3	79·4	81·9	79·9	81·9	71·1
5	74·1	73·6	66·3	68·3	76·3	78·1	86·9	78·9	81·9	79·7	74·1	67·4
6	69·8	75·0	73·2	70·7	77·6	81·2	84·1	81·7	79·9	74·0	70·8	67·5
7	71·5	71·5	73·5	77·8	78·0	84·7	78·7	82·5	74·8	74·4	70·7	70·2
8	69·7	65·6	67·6	76·6	80·2	82·9	78·3	83·2	74·1	73·6	74·1	69·7
9	66·2	69·1	69·6	79·2	80·3	72·4	82·5	85·8	78·5	78·3	74·0	74·1
10	70·8	70·8	72·0	83·0	77·7	84·7	81·3	79·1	74·1	84·9	75·4	75·5
11	71·3	75·2	73·6	80·2	78·4	81·9	85·8	81·2	75·3	78·0	70·7	76·4
12	72·5	75·1	69·6	70·2	78·0	80·8	88·2	79·2	79·2	71·3	78·1	76·8
13	67·5	76·9	71·2	67·7	73·6	81·6	85·7	82·4	83·7	73·0	74·0	71·8
14	75·9	78·0	70·2	71·9	71·3	79·8	82·8	76·1	82·9	79·6	73·1	73·6
15	75·2	73·6	74·5	70·2	74·7	77·4	85·7	85·8	83·1	77·4	80·6	70·2
16	75·4	84·2	70·8	79·7	71·9	81·3	86·9	80·2	81·9	83·8	70·8	71·8
17	70·2	75·2	74·2	73·6	65·1	81·2	85·1	80·5	83·9	76·4	75·9	67·4
18	76·3	74·7	70·0	77·5	71·0	83·6	81·9	86·8	81·7	80·8	79·4	71·2
19	77·2	80·3	69·1	81·2	70·7	84·8	79·2	82·5	85·7	79·7	69·2	68·6
20	74·1	80·6	71·8	78·1	79·3	86·4	86·0	85·2	86·3	78·3	79·7	70·3
21	77·3	78·9	70·1	76·8	74·7	87·4	80·2	81·9	78·1	64·7	73·0	65·3
22	74·1	76·4	76·5	75·2	77·1	83·6	84·7	83·1	86·6	73·5	76·3	61·1
23	69·2	68·6	75·9	72·3	76·9	85·3	82·0	81·9	77·4	68·6	73·5	63·6
24	71·5	66·9	77·0	74·1	81·9	86·3	82·5	86·8	75·3	77·4	67·2	67·5
25	77·1	75·2	80·2	73·5	81·9	87·4	85·6	81·9	79·7	75·2	65·3	74·7
26	72·4	71·3	71·3	79·6	79·2	87·4	82·7	85·3	71·3	68·1	65·5	78·7
27	72·0	66·9	72·9	79·1	78·6	84·7	82·5	85·9	84·2	83·2	73·6	79·6
28	68·4	74·8	71·9	78·6	79·6	81·4	88·6	75·2	86·9	85·9	74·8	77·9
29	65·9	-	75·2	73·7	80·4	82·5	88·4	77·4	84·6	85·2	74·1	73·2
30	68·1	-	76·3	73·2	79·2	85·3	78·6	82·1	85·8	75·8	76·6	78·6
31	74·7	-	76·8	-	81·3	-	75·8	85·8	-	81·9	-	79·1
Mean	73·1	74·5	72·5	75·2	76·8	82·7	83·8	81·6	81·0	77·0	74·2	72·1

Year 77·1

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 = 13 cm. above M.S.L.

Readings at 9h. G.M.T.

527. KEW OBSERVATORY 1935

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	179	171	238	195	195	173	165	165	151	149	161	241
2	181	169	240	194	193	172	166	164	150	151	161	239
3	183	168	242	193	193	172	167	164	150	153	163	238
4	184	167	243	194	192	172	169	163	150	153	164	237
5	186	167	242	194	191	172	169	163	149	154	165	235
6	187	166	240	194	191	171	169	162	149	155	166	233
7	189	226	239	194	191	171	168	162	148	155	167	231
8	190	287	238	193	190	171	168	161	148	155	168	230
9	193	287	239	193	190	170	167	160	148	156	169	227
10	194	283	240	194	189	169	166	159	147	156	170	225
11	195	279	238	193	188	169	165	158	147	156	172	226
12	193	274	235	193	186	168	164	157	146	157	175	227
13	191	268	233	193	185	168	163	157	146	159	178	227
14	189	261	231	194	183	167	163	156	146	160	183	227
15	187	254	228	192	181	166	162	155	147	163	187	226
16	186	248	225	193	180	166	161	155	149	165	193	224
17	185	242	221	191	179	165	163	155	150	167	198	221
18	183	238	217	191	178	166	165	155	150	169	203	219
19	182	235	215	193	177	166	167	155	148	171	209	217
20	181	232	213	195	176	167	169	155	147	170	214	215
21	180	229	211	198	175	167	170	155	146	169	218	213
22	179	227	210	200	176	167	171	155	146	167	222	211
23	178	225	208	201	176	168	171	155	145	166	225	209
24	177	226	207	202	177	167	171	154	145	165	228	208
25	177	227	205	203	177	167	171	153	145	163	231	207
26	176	228	204	202	177	166	170	152	144	163	234	205
27	175	230	203	201	176	165	169	151	146	162	236	206
28	175	235	201	199	175	165	167	151	147	162	238	208
29	174	-	200	197	174	165	165	151	147	162	240	212
30	173	-	199	196	173	165	164	151	148	162	241	213
31	172	-	197	-	173	-	164	151	-	161	-	227
Mean	183	230	223	195	182	168	167	157	147	161	196	222

Annual Mean = 186cm.
Extremes for the months:- Jan., 195, 171; Feb., 288, 224; Mar., 243, 197; Apr., 203, 191; May, 196, 173; June, 173, 165; July, 171, 161; Aug., 165, 151; Sept., 151, 144; Oct., 171, 149; Nov., 243, 161; Dec., 242, 205.

528. KEW OBSERVATORY

JANUARY, 1935

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	Nbst	Frnb: Ast	Frnb:Nbst	10	10	10	10	10	10	i	G	H	H	H	i	●	●	...	●^{0}	●^{0}	●^{0}	●●^{0} *a and p* : ●^{0} *n.*
2	St	St: Stcu	St	10	10	10	10	10	10	E	G	i	H	i	i	●^{0}	●^{0}	...	...	...	...	●●^{0} f *a.*
3	St: Ast	Stcu	St	10	10	10	10	10	10	J	H	H	G	j	J	...	...	...	...	...	...	
4	Stcu: Cu: Acu	St: Stcu	---	7	7	3	0	0	10	J	J	J	J	i	i	...	...	...	...	...	...	
5	Stcu	Stcu	Stcu: Acu	3	9	9	8	8	2	J	i	i	i	i	G	...	...	...	...	...	...	
6	Stcu	Cu: Frcu	Stcu	2	8	3	-	2	8	i	H	H	-	i	i	...	...	...	—	...	...	⊔ p●^{0} *a* : ●^{0} *n.*
7	St: Stcu	St: Stcu	St: Stcu	6	3	9	10	8	10	i	G	G	G	G	G	...	...	...	●^{0}	...	...	i●^{0} *a, p and n.*
8	St: Ast	St: Stcu	St	10	10	9	10	10	10	G	F	F	E	G	G	...	...	...	...	...	...	m *a* : f *p.*
9	St	St	St: Stcu	10	10	10	9	9	9	B	C	C	C	E	F	...	...	...	...	...	...	F *a and p* : f m *n.*
10	Stcu	St: Stcu	St: Stcu	9	10	9	9	10	1	i	H	H	i	H	G	...	...	...	...	...	...	
11	Stcu: Ast: Ci	Cu: Frnb: Ci	Frnb	4	10	9	10	10	6	i	i	i	J	i	J	...	●^{0}	●	●^{0}	●^{2}	...	●^{0} *a and p* : ●●^{2} early *n.*
12	St: Stcu: Ast	Frcu	---	8	5	3	4	0	1	J	H	i	i	G	H	...	...	...	...	...	...	⊔ Ш *n.*
13	Stcu: Acu:Cist	Stcu	St	7	2	10	-	10	10	G	F	F	-	F	F	...	...	...	—	...	●^{0}	⊔ m *a* : ●^{0} m *p* : ●^{0}●m *n.*
14	Stcu	Stcu	Stcu: Acu	10	10	9	9	9	9	J	J	i	J	J	J	...	...	...	...	...	...	●^{0} early *a.*
15	St	---	Stcu	3	10	0	1	9	9	G	G	G	H	G	F	...	...	...	...	...	...	m *n.*
16	St: Stcu	Stcu	St: Stcu	10	10	10	9	9	0	i	F	G	i	F	B	...	...	...	...	...	...	m *a* : m F⌓ *n.*
17	St: Ast	Stcu	Stcu	9	8	9	7	10	10	G	i	i	i	H	H	...	...	...	...	...	...	●^{0} late *n.*
18	Stcu	Stcu	Stcu	9	9	9	10	10	9	J	i	i	H	H	H	...	...	...	...	...	...	●^{0} early *a.*
19	St: Stcu: Ast	Stcu	Stcu	10	10	10	10	10	9	J	H	G	F	H	G	...	...	...	...	...	...	Ш *n.*
20	St: Stcu	St: Stcu	St	10	10	10	-	10	10	J	H	F	-	G	i	...	...	...	—	...	...	z late *a.*
21	St: Stcu: Ast	Frnb	Stcu	10	10	10	10	10	9	G	H	G	H	i	i	●^{0}	...	●^{0}	...	...	...	●^{0} *a* and late *n.*
22	St: Stcu: Ast	Acu: Cist	---	9	9	9	5	0	10	G	G	H	G	F	E	●^{0}	...	...	...	...	...	p●^{0} early *a* : m f *n.*
23	St: Ast	Stcu	Stcu	10	10	10	0	8	0	F	F	H	H	G	G	...	...	...	...	...	...	m ⌓ *a.*
24	St: Stcu: Ast	Nbst	Frnb: Acu	6	10	10	10	8	10	F	E	H	G	G	H	...	...	●^{0}	●^{0}	●^{0}	...	m ⌓ f ●^{0} *a* : ●^{0}● *p.*
25	St: Cumb	Frnb: Nbst	Cu:Stcu	9	10	10	9	8	10	J	i	J	J	J	J	●^{0}	●	...	...	...	●^{0}	●^{0}● *a* : *p*●^{0}● *p* : ●^{0}✱ *n.*
26	Stcu:Frcu:Ast	Stcu: Cist	Frnb	3	7	10	10	9	10	J	J	i	i	i	K	...	...	●^{0}	●^{0}	✱^{0}	✱^{0}	p●^{0} *a* : ●^{0}✱ *p* : ✱ *n.*
27	Cumb:Frnb:Ast	Stcu	Cu: Stcu	4	5	3	-	4	4	J	J	J	-	J	J	✱^{0}	...	...	—	...	...	✱ early *a* : ✱^{0}✱ *n.*
28	---	Cicu	Ast:Cist	0	0	3	3	4	0	i	G	H	H	G	E	...	...	...	...	...	...	⊔ *a* : f *n.*
29	St: Stcu	Stcu	St	10	0	2	9	10	10	E	D	D	G	G	G	...	...	...	...	...	...	f ⊔ *a.*
30	St	Stcu	St: Stcu	10	10	10	8	10	9	D	D	F	G	G	G	...	...	...	...	...	●^{0}	f z *a* : ●^{0} *n.*
31	Stcu	Stcu	Ci	1	0	8	8	1	10	G	i	i	i	G	i	...	...	...	...	...	...	●●^{0} early *a.*
Mean Cloud Am'nt.				7·4	7·8	7·9	7·7*	7·6	7·6													

529. KEW OBSERVATORY

FEBRUARY, 1935

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	Stcu: Ast	Stcu	9	10	10	10	10	10	G	i	i	i	i	J	...	...	...	...	...	...	●^{0} *a* : ●●^{0} *p.*
2	Stcu: Cu	Stcu: Cu: Ci	Stcu	9	10	8	7	7	0	J	J	i	J	J	J	...	...	...	...	...	...	
3	Ast: Acu	Stcu: Ast: Acu	St: Stcu: Ast	9	10	9	-	10	6	J	i	i	-	J	J	...	...	...	—	...	...	●^{0} *p and n.*
4	Stcu	Cu: Acu: Ci	St: Stcu:Ci	10	10	9	8	6	10	i	G	i	H	F	F	...	●	...	...	...	...	●^{0}● *a* : m *n.*
5	Stcu: Ast: Acu	Cu: Ci	Stcu	3	1	5	9	10	10	G	H	J	i	H	H	...	...	...	...	...	...	⌓ early : ●^{0}● *n.*
6	St: Stcu	Frnb: Nbst	St: Stcu	10	10	9	9	9	9	G	H	i	i	J	k	...	...	...	...	...	...	●^{0}● *a* : ●^{0} *p.*
7	Cu: Stcu	Cu: Stcu	St	5	7	9	6	6	3	i	i	i	G	F	G	...	...	...	...	...	...	p✱^{0} *p* : m ⊔ *n.*
8	St: Stcu	Cu: Stcu	---	9	9	10	8	0	0	G	G	H	i	G	i	...	...	...	...	...	...	p✱^{0} *a.*
9	Stcu	Stcu	St	2	0	9	9	10	9	G	G	G	G	G	i	...	...	...	...	...	...	⊔ *a.*
10	St: Ast	Stcu	St: Cist	10	10	10	-	10	8	G	F	F	-	E	G	...	...	...	—	...	...	m f *p and n.*
11	Stcu: Ast	Stcu: Ast: Acu	Stcu: St: Acu	10	10	9	8	6	9	G	G	i	i	G	G	...	...	...	...	...	...	
12	Stcu:Ast	Stcu	Stcu	10	10	10	10	3	9	J	J	i	J	H	J	...	...	...	●^{0}	...	...	●^{0} *p.*
13	Stcu:Frnb: Ast	Frnb: Nbst	Stcu: Cu	10	10	10	10	9	10	G	H	H	E	G	J	...	●^{0}	●^{0}	...	...	●^{0}	●●^{0} *a and p* : f *p* : ●^{0} *n.*
14	Ast: Ci	Stcu: Cu	Cu: Ci	5	9	4	4	1	8	J	J	J	K	J	i	...	...	...	...	...	...	Ш *n.*
15	Acu: Ast	Frnb:Nbst	Frnb	10	10	10	10	10	10	G	i	i	H	i	J	...	...	●^{0}	●^{0}	...	...	● *a and p.*
16	Stcu: Cu	Stcu: Cu	Stcu: Cunb	10	10	10	10	10	6	L	L	J	K	K	L	...	...	...	...	●	...	●^{0} *p* : p●^{2} *n.*
17	Stcu: Ci	Stcu: Acu: Ast	Stcu: Ast: Cist	1	9	10	-	5	8	L	J	J	-	G	i	...	...	...	—	...	...	
18	Stcu	Stcu	Stcu	10	10	10	10	10	10	K	J	J	K	i	J	...	...	...	...	...	...	
19	Stcu: St: Ast	Stcu	Stcu	10	10	10	10	10	10	J	i	J	J	G	i	...	...	...	...	...	...	●^{0} *p.*
20	Frnb: Ast	Frnb	Frnb: Nbst	10	10	10	10	10	10	K	J	K	i	i	J	●^{0}	...	...	●	●^{0}	●^{0}	●^{0} *a* : ●^{0}● *p and n.*
21	Cunb: Ast:Acu	Cu: Stcu	Stcu: Acu	4	5	8	8	5	9	K	K	K	K	H	J	...	...	...	...	...	●^{0}	p●^{0} early *a* : ●^{0} *n.*
22	Frnb:Nbst	Frnb: Nbst	Cu: Ci	10	9	10	9	3	0	J	J	i	i	H	i	●	...	●^{0}	...	...	...	●^{0}● *a* : p●^{0} *p.*
23	Stcu	Cu: Ci	Stcu	3	3	6	10	9	9	i	i	i	i	G	G	...	...	...	...	...	...	⊔ early.
24	Cu: Stcu: Ci	Cumb:Stcu Acu	Cumb:Stcu: Nbst	4	6	9	-	10	10	G	G	H	-	G	J	...	...	...	—	●	●	⊔ p● *a* : ●^{0}● *p and n.*
25	St: Ci: Cist	Frnb	Nb: Nbst	9	10	10	9	10	10	K	i	i	i	G	J	...	●	●^{0}	...	●^{2}	...	●^{0}● *a and p* : ●^{2} early *n.*
26	Stcu: Ci:Cist	Frcu	---	4	0	1	0	0	0	i	H	i	i	F	H	...	...	...	...	...	...	z ⊔ *n.*
27	Cu: Stcu:Ast	Frnb: Nbst	St: Ast: Cist	10	10	10	9	9	8	J	i	H	J	G	J	...	✱^{0}	●	...	...	...	✱●^{0}● *a* : ●●^{0} *p and n.*
28	Stcu:Cunb:Ci	Frst: Stcu: Cist	Stcu	6	9	9	9	8	7	G	H	i	J	H	J	...	...	...	...	...	...	p●●^{0} *a.*
Mean Cloud Am'nt.				7·6	8·1	8·7	8·4†	7·4	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.						

* Mean of 27 days †Mean of 24 days

530. KEW OBSERVATORY MARCH, 1935

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	Cu: Cist	St: Stcu	9	0	10	10	10	9	G	G	i	i	i	H	...	...	...	...	...	...	●●° early *a*.
2	St	Stcu	Stcu: Ct	10	9	10	9	10	10	F	G	G	G	F	G	...	...	...	...	...	●°	m early *a* : m●° *n*.
3	St: Stcu	Nbst	Nb	10	10	10	-	10	10	G	F	D	-	G	G	...	...	●°	—	●	●	f●° *a* : ●°●² *p* : ●° *n*.
4	---	Cu: Stcu	Stcu: Cu	0	0	8	7	1	0	G	H	J	J	F	F	...	...	...	...	...	...	⌴ *a* : m ⌴ *n*.
5	Stcu: Ast: Acu	Cu: Acu: Ci	Acu: Cicu	9	8	9	10	5	8	G	H	K	K	G	G	...	...	...	●°	...	...	⌴ *a* : ●° *p*.
6	Frnb: Nbst	Stcu	Stcu	10	10	9	10	10	8	G	F	i	i	F	G	●°	●°	...	...	...	...	●° m *a* : m late *p*.
7	Stcu: Cu	Frcu	St	9	8	4	7	8	0	G	G	H	H	F	F	...	...	...	...	...	...	m *n*.
8	Stcu: Acu: Cicu	Stcu	Stcu	6	9	10	10	10	10	G	H	H	H	H	i	...	...	...	...	...	✱°	⌴ early : p✱° *n*.
9	Stcu	Cu: Stcu	Frnb: Stcu	9	10	9	10	10	10	i	H	i	i	H	H	...	✱°	...	...	...	...	✱° *a*.
10	Stcu	Frnb: Stcu	St: Stcu: Ast	9	10	10	-	9	10	J	G	F	-	G	i	...	...	...	—	...	...	m late *a* : ✱° *n*.
11	St: Stcu	Stcu: Ci	Cu:Stcu:Ci	10	10	8	8	7	0	G	H	H	H	G	G	...	...	...	...	...	...	✱° early *a*.
12	---	---	---	0	0	0	0	0	0	G	F	H	i	G	G	...	...	...	...	...	...	⌴ z early *a*.
13	St	---	---	10	2	0	0	0	0	G	F	G	G	F	G	...	...	...	...	...	...	⌴ z *a* : z *n*.
14	St	St	St	10	10	10	10	10	10	F	F	F	F	E	G	...	...	...	...	...	...	m *a and p* : f *n*.
15	St: Stcu	Frcu: Stcu	Ci	9	9	4	3	2	7	G	G	i	i	E	F	...	...	...	...	...	...	f z *n*.
16	Ast: Acu: Cist	Acu: Ast	St: Stcu: Acu	9	9	9	8	10	10	E	E	i	i	i	i	...	...	...	...	...	...	f *a* : ●° *n*.
17	St: Stcu:Ast	Stcu: Ast	Ast: Acu: Ci	10	10	10	-	4	9	G	F	F	-	G	G	...	...	...	—	...	...	⌓ m *a* : ●° *p*.
18	St	Cu: Stcu	Cu: Cist: Ci	10	9	5	1	5	3	D	F	H	J	G	G	...	...	...	...	...	...	⌓ f m *a*.
19	Cist: Cicu	Cu	Cist: Ci	6	7	3	1	10	10	G	i	J	J	H	G	...	...	...	...	...	...	⌴ f early *a* : Ⓣ *n*.
20	Acu:Ast:Ci	Acu:Ci: Cist	Ci: Cist	8	9	8	7	2	0	C	F	J	K	G	G	...	...	...	...	...	...	⌓ f *a* : ⊕ *p*.
21	---	---	Acu	0	0	0	0	1	8	B	G	K	K	i	i	...	...	...	...	...	...	⌴ f *a* : p●° *n*.
22	Stcu: Acu: Ci	St: Stcu	St: Stcu	9	8	10	9	10	3	H	J	J	J	i	J	...	...	...	...	...	...	⊕●° *a and p* : p● *n*.
23	Frcu: Ast:Cist	Frnb: Nbst	Frnb: Nbst	9	9	10	10	10	9	J	J	i	H	H	K	...	...	●	●°	●	...	●°● *a and p*.
24	Cu: Ci:Cicu	Cu: Cist	Cu: Ast: Cist	7	9	8	-	10	10	J	J	J	-	G	J	...	...	...	—	...	...	●° *n*.
25	Stcu: Acu:Cist	Stcu: Ast: Cist	St: Ast: Ci	9	9	9	9	9	0	K	J	J	J	G	K	...	...	...	...	...	...	●° early *a*.
26	St	Cu: Stcu	Stcu: Ci: Cist	10	10	3	8	9	1	G	G	i	J	i	J	...	...	...	...	...	...	⌓ early : ⊕ late *p*.
27	St	Cu: Ci	---	10	9	5	0	0	0	G	i	J	J	G	G	...	...	...	...	...	...	⌓ early.
28	St	Cu	Ci: Cicu	10	10	2	0	5	0	C	F	i	i	H	G	...	...	...	...	...	...	⌓ F m *a*.
29	St	Cu: Stcu	Frst: Stcu	10	9	10	10	9	8	G	i	i	i	G	G	...	...	...	...	...	...	⌓ early.
30	St: Ast	St: Ast	St: Frst: Ast	10	10	10	10	10	9	J	i	i	H	G	G	...	...	...	...	...	...	
31	Stcu: Frcu	Stcu: Ci	Cu: Acu	10	10	9	-	4	9	K	i	J	-	i	K	...	...	...	—	...	...	
Mean Cloud Am'nt.				8·3	7·8	7·2	*6·4	6·8	5·8													

531. KEW OBSERVATORY APRIL, 1935

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: Acu: Ci	Stcu	Stcu	8	10	9	9	9	10	J	J	K	J	G	J	...	...	...	...	...	...	●°● *n*.
2	Stcu: Cu: Ci	Cu: Stcu	Cunb: Stcu	6	8	7	9	9	8	i	J	J	J	i	i	...	...	...	...	...	...	p●° *a* : p●●° *p*.
3	Stcu: Cu	Frcu: Cunb	Stcu: Cunb: Acu	2	7	9	7	3	0	i	J	J	J	G	G	...	...	●°	...	...	...	⌴ *a and n* : p●°▲°✱°✶° *p*.
4	St	St: Stcu: Ast	Frcu: Stcu	10	10	10	10	3	0	G	G	i	H	i	J	...	●°	...	●	...	...	p✱°✶°●° *a* : ●●° *p* : ⌴ *n*.
5	Cu: Acu: Cist	Stcu:Cunb: Acu	Frnb: Nbst	4	5	9	9	10	10	i	i	i	K	i	i	...	...	●°	✶°	●°	...	p●°✶ *a* : p✶° *p* : ●●° *n*.
6	---	Frcu	Acu: Cicu:Cist	0	1	6	6	9	10	J	J	K	K	i	i	...	...	...	...	...	...	⌴ *a* : ● late *n*.
7	Frnb: Ast: Acu	Frcu: Cunb: Ci	Frnb: Nbst	9	9	9	-	10	10	J	K	i	-	H	i	...	...	...	—	●°	●°	●°● *a, p and n*.
8	Ci: Cicu	Stcu: Acu: Ast	Stcu: Ast:Cicu	4	8	9	7	10	10	J	J	H	J	G	J	...	...	●°	...	...	●°	●p●°●²✶ *a* : ⊕p● *p* : ● *n*.
9	Frnb: Ast:Cist	Stcu	Frnb	10	10	10	10	10	10	i	i	J	K	i	J	...	●°	●°	●°	●°	...	●●° *a and p* : ●° *n*.
10	Frnb: Nbst	Stcu: Ast	Cu: Stcu	10	10	10	9	7	4	J	J	J	J	J	K	●	●°	...	...	...	...	●●° *a and n* : p●° *p*.
11	Cu: Stcu	Cu	Cu	9	9	6	4	1	0	J	J	K	K	K	H	...	●°	...	...	...	...	p●●° *a*.
12	St: Stcu: Ast	Cu: Stcu: Ast	Cu: Ci	10	10	10	9	4	0	i	i	i	i	i	J	...	...	...	...	...	...	⌴ early.
13	Cist	Cu: Ci: Cist	Cu: Ast: Acu	8	8	10	9	10	10	E	H	J	J	i	i	...	...	...	...	...	●	f ⌴ early *a* : ●●° *n*.
14	St	Cu: Cunb	Cunb:Nbst:Ci	10	8	9	-	9	4	G	G	i	-	i	G	...	...	●°	—	...	...	●° *a* : ●°● *p* : Ш *n*.
15	St	Cu: Acu: Cist	Stcu: Acu: Cist	10	10	9	9	9	10	C	F	K	K	G	J	...	...	...	...	...	●°	F m *a* : *p*●° *p* : ●°● *n*.
16	Frnb	Cunb: Nb: Ci	Cunb: Nb:Ci	10	10	9	3	8	8	J	K	K	K	K	K	...	...	●°	...	...	...	●●° *a* : p● *p* : p●° *n*.
17	Cu: Stcu: Ci	Cu: Stcu	Frnb: Nbst	3	9	6	5	9	7	G	i	K	K	K	K	...	●	...	...	●°	...	●●° *a* : ●° *p and n* : Ⓣ *n*.
18	St: Stcu: Acu	Cu: Stcu: Ci	Frnb: Nbst	9	9	6	10	10	10	J	k	k	k	H	H	...	...	...	...	●°	...	●° *a* : ●°● *p*.: ● *n*.
19	Stcu: Frcu	Stcu: Nbst	Stcu: Acu: Ci	7	9	10	-	9	4	K	i	J	-	K	K	...	...	...	—	...	...	●●° early *a* : p●●° *p*.
20	Stcu: Acu: Ci	Frnb: Nbst	Cunb: Stcu:Cist	8	9	10	9	9	0	G	i	i	i	K	K	...	...	●	...	●°	...	⊕●° *a* : p●●° *p* : p●° *n*.
21	Cu: Stcu:Cist	Stcu.	Stcu: Cu: Ci	6	5	9	-	7	0	K	K	K	-	K	K	...	...	...	—	...	...	
22	St: Stcu: Acu	Cu: Stcu	Cu: Ci	8	9	9	9	3	0	J	J	K	K	L	K	...	...	...	...	...	...	⌓ p●°● *a* : p●° *p*.
23	---	Cu: Cumb	Cu: Ci	0	8	9	8	6	6	E	E	i	H	H	H	...	...	...	...	...	...	⌓ f *a*.
24	Cu: Stcu: Acu	St: Stcu	Acu: Ast	7	9	10	8	1	0	G	i	i	i	J	J	...	...	...	...	...	...	⌓ early.
25	St: Stcu: Ast	St: Stcu	Frnb: Nbst	10	10	10	10	10	9	i	i	i	H	H	J	...	...	...	●	●°	...	●●° *p and n*.
26	St: Ast	Cu: Stcu	Cu: Ci	10	10	8	4	6	10	i	i	i	i	i	J	...	...	...	...	...	...	
27	St: Frst: Ast	St: Stcu	Stcu	10	10	10	10	10	10	i	i	i	i	i	J	...	...	...	...	...	...	
28	Stcu	St: Stcu	Stcu	10	10	10	-	9	9	k	J	J	-	G	G	...	...	...	—	...	...	
29	Stcu: Acu	St: Stcu	St: Stcu:Acu	9	10	9	8	8	8	G	H	H	H	G	i	...	...	...	...	...	...	⌓ early.
30	St: Ast	St: Stcu	Cu: Ci	9	9	10	9	10	8	H	H	F	H	G	H	...	...	...	...	...	...	f ⌓ early *a* : z late *a*.
Mean Cloud Am'nt.				7·5	8·6	8·9	†8·0	7·6	6·2													

*Mean of 26 days †Mean of 25 days

532. KEW OBSERVATORY MAY, 1935

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:Frcu:Nbst	Frnb:Nbst	Stcu: St: Ast	10	10	10	10	10	0	G	H	H	H	H	i	●^{0}	●^{0}	●^{0}	...	...	...	●^{0}● *a* : ●^{0} *p*.
2	Cist:Cicu	Ast: Acu: Cist	Acu	4	4	8	7	9	9	G	J	K	K	H	H	...	...	...	...	...	...	␣ early.
3	Acu: Ast	Ci: Cicu	Acu:Ast:Ci	5	9	9	9	8	2	G	J	L	L	i	i	...	...	...	...	...	...	
4	Cist: Ci	Acu: Ast	Acu: Ast: Cist	8	9	9	9	8	2	G	H	i	i	i	i	...	...	...	...	...	...	
5	Ci:Cist	Frcu:Acu: Ci	Ci: Cist	4	9	9	-	9	9	F	G	i	-	i	H	...	...	...	—	...	...	f m ⌓ early *a* : ⊕ late *a*.
6	Acu: Ci	---	---	2	0	0	0	0	0	G	H	J	K	K	J	...	...	...	...	...	...	⌓ early.
7	Cist	Acu: Ast: Ci	Cu: Stcu	1	10	9	5	8	0	G	H	i	i	i	J	...	...	...	...	...	...	⌓ early.
8	St: Stcu: Frcu	St: Stcu	St: Stcu	9	10	10	9	8	9	J	J	i	J	J	J	...	...	...	...	...	...	
9	St: Stcu	Stcu	---	10	10	7	1	0	0	J	i	J	J	i	J	...	...	...	...	...	...	●^{0} 9h.
10	---	---	Ci	0	0	0	2	2	0	H	J	J	J	J	J	...	...	...	...	...	...	
11	Cu: Ci	Acu: Ci	---	3	3	3	3	0	3	J	J	K	K	J	J	...	...	...	...	...	...	
12	Cu: Acu: Ci	Stcu	Stcu	6	9	8	-	9	8	K	J	J	-	J	J	...	...	...	—	...	...	
13	Cu: Acu: Cist	Cu: Stcu: Acu	Cu: Cist	2	9	9	9	6	2	i	J	i	J	J	G	...	...	...	...	...	...	⊍ *n*.
14	Frnb:Nbst	Cu: Stcu	Cu: Acu: Ci	10	9	8	8	5	9	G	i	J	K	i	i	●^{0}	...	...	...	...	●^{0}	␣●●^{0} early *a* : p●▲✱ 11h : ●^{0} *n*.
15	St: Ast: Acu	Cu	Cu: Cist	10	9	8	8	6	9	J	i	J	K	J	G	...	...	...	...	...	...	●●^{0}p●^{0} *a*.
16	Frnb: Ast	Cunb: Stcu: Acu	Cu: Cunb: Acu	10	10	9	9	6	2	J	i	J	i	i	H	●^{0}	...	...	...	...	...	●^{0}p●^{0} *a* : p●^{0}▲^{0} *p*.
17	Ci: Cist	Cu: Stcu: Acu	Ast: Acu: Ci	2	4	8	9	4	5	G	J	J	K	i	i	...	...	...	...	...	...	␣ early : p●^{0} *n*.
18	Stcu: Acu	Cunb	Cunb: Ci	1	7	9	8	9	3	i	J	J	J	i	i	...	...	●^{0}	...	●^{0}	...	␣ early : p●^{0} *p* : ●●^{0} *n*.
19	St: Ast: Acu	Frnb: Nbst	Frnb: Nbst	10	10	10	-	10	7	i	i	i	-	i	J	...	...	●^{0}	—	●	...	␣ early : ●●^{0} *a, p and n*.
20	Frnb: Nbst: Cist	Cu: Cunb: Ast	Nbst	10	9	9	10	10	10	H	J	J	H	F	E	●^{0}	...	...	●	●^{0}	...	●^{0}●p●^{2} *a* : ●^{0}● *p* : ●^{0}f m *n*.
21	Cu	Cu	Cu: Stcu	2	6	7	8	8	2	G	i	J	J	J	J	...	...	...	...	...	...	
22	Stcu	Cu	Stcu	8	9	6	7	8	8	J	J	J	J	i	J	...	...	...	...	...	...	
23	Stcu: Cu	Cu: Stcu: Cist	Cu:Stcu:Cist	9	0	8	9	10	9	J	J	J	J	J	J	...	...	...	...	...	...	⊕ *p*.
24	Stcu: Acu	Cu: Stcu	Frcu: Acu: Cist	9	8	9	8	9	9	i	i	K	K	K	J	...	...	...	...	...	...	p●^{0} late *a and n*.
25	Frnb: Nbst	Cu: Stcu: Acu	Acu: Ci	10	10	9	9	8	5	G	H	J	J	J	J	●^{0}	●^{0}	...	...	...	...	●^{0}● *a*.
26	Cu: Stcu: Acu	Cu: Acu	Cu: Ci	6	6	4	-	2	4	J	i	J	-	K	K	...	...	...	—	...	...	
27	St: Ast	Stcu: Acu: Ast	St: Frst: Ast	10	9	10	10	10	10	i	i	i	i	G	G	...	...	●^{0}	...	...	...	p●^{0} p● *p*.
28	·St: Ast: Acu	Stcu	Stcu: Acu	8	10	9	8	9	4	G	H	G	H	i	H	...	...	...	...	...	...	p●^{0} ● *a*.
29	Cu: Stcu	Cu: Stcu	Cu:Cist	9	7	3	0	2	0	i	i	J	J	J	J	...	...	...	...	...	...	
30	St: Stcu	Cu	Cunb:Stcu	10	10	6	4	10	8	i	i	i	J	K	i	...	...	...	...	●^{0}	...	p●^{0} late *p*.
31	St	St	St	10	10	10	10	10	10	H	H	G	H	G	G	●^{0}	...	...	...	...	...	●^{0} *a*.
Mean Cloud Am'nt.				6·7	7·6	7·5	*7·0	6·9	5·1													

533. KEW OBSERVATORY JUNE, 1935

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: Stcu	Cu: Stcu	10	10	10	7	9	9	G	H	i	J	i	G	...	...	...	...	...	...	⌓ early *a*.
2	St	Stcu: Ast: Acu	Cu: Stcu: Acu	10	9	9	-	7	5	G	i	K	-	K	K	●	...	●^{0}	—	...	...	●p●^{0} *a* : p●^{0} *n*.
3	Stcu: Acu	Cunb: Stcu: Ci	Cunb: Stcu:Acu	8	9	9	9	6	4	J	J	K	K	K	K	...	...	...	...	...	...	p●T *a* : p●△ *p*.
4	Cu: Stcu: Ast	Cu: Stcu: Ast	Cu: Stcu: Acu	10	10	10	10	9	8	i	i	K	K	L	J	...	...	...	●^{0}	...	...	p●^{0} *a* : ●^{0} *p*.
5	Frnb: Ast	Cu: Stcu	Cunb: Acu: Ci	10	10	9	8	9	8	G	H	K	L	K	J	●	●	...	...	...	...	●●^{0} *a* : T p●^{0} *p* : ●^{0} T *n*.
6	Stcu: Ast: Acu	Stcu: Ast: Acu	Frnb: Nbst	9	10	10	10	10	10	J	J	K	J	J	K	...	...	...	●^{0}	●^{0}	●^{0}	⊕ *a* : ●^{0} *p and n*.
7	Frnb: Ast:Cist	Cu	Cu: Stcu	10	9	6	8	6	9	J	K	K	K	K	K	●^{0}	...	...	...	...	...	●●^{0} *a* : p●^{0} *p*.
8	Cu: Stcu: Ci	Cu	Cu	6	5	5	7	4	1	K	K	K	K	K	J	...	...	...	...	...	...	
9	Cu: Acu: Ci	Cu: Cicu	Stcu: Ast:Cist	3	8	7	-	10	10	J	J	L	-	K	J	...	...	...	—	...	...	⊕ *p*.
10	St	Stcu: Acu: Ast	Cu: Stcu:Acu	10	10	10	10	9	3	G	H	K	L	L	L	...	...	...	...	...	...	K̄ ●^{2} early *a*.
11	Frnb: Ast: Acu	Cu: Stcu	Cumb:Frnb: Nbst	9	9	9	7	9	2	J	J	L	L	K	L	...	...	...	...	●	...	●^{0}p●^{0} *a* : ● late *p*.
12	Stcu: Ci	Stcu	Cu: Acu: Ci	9	10	9	8	6	3	K	J	J	K	K	J	...	●^{0}	●^{0}	...	...	...	p●^{0} *a and p*.
13	Frnb: Acu: Ast	Cu: Ci: Cist	Cu: Cist	9	8	9	8	9	8	K	K	L	L	L	J	...	...	...	...	...	...	●●^{0} early *a* : ⊕ *p*.
14	Cu: Stcu:Cist	Cunb: Stcu:Ast	Frnb: Nbst	8	9	9	10	10	6	J	J	K	K	i	J	...	...	...	●	●	...	p● early *a* : ● *p and n*.
15	Stcu	Cunb: Nbst: Ci	Cunb:Acu:Ci	9	9	9	8	9	9	K	J	K	K	K	J	...	...	...	...	...	...	p●▲ *a* : p●T *p* : ● *n*.
16	Cunb: Acu: Ci	Cunb: Acu: Ast	Cumb:Nbst:Ci	5	8	9	-	7	3	K	K	J	-	L	K	...	...	●	—	●^{0}	...	●^{0} early : K̄●^{2}▲^{2} *a and p* : p●^{0} T *n*.
17	Frst: Stcu: Acu	Cu: Stcu:Cist	Stcu: Ast:Ast	9	9	8	9	10	10	J	K	K	K	K	K	...	...	...	...	...	●^{0}	●^{0}● *p*.
18	St: Stcu: Ast	Cu: Stcu	Frnb:Stcu:Ast	10	10	9	5	10	9	J	i	J	K	K	i	...	●^{0}	...	...	●^{0}	...	●●^{0} early, p● *a* : ●^{0} late *p and n*.
19	St	Stcu	Frnb: Ast	10	10	9	10	10	10	G	G	J	K	i	H	...	...	...	...	...	...	●^{0} early *a* : late *p and n*.
20	Frnb: Nbst	Frnb	Stcu: Ast	10	10	10	10	10	10	i	J	i	i	i	G	...	...	●^{0}	...	...	...	●^{0} *a, p and n*.
21	Stcu:Ast	Stcu	Cu: Stcu	10	10	9	4	2	2	J	J	J	K	K	J	...	...	...	...	...	...	
22	---	---	Ci	0	0	0	0	2	0	G	i	J	i	i	G	...	...	...	...	...	...	⌓ early *a*.
23	Acu	---	Acu:Cicu	6	2	0	-	2	2	G	G	J	-	J	i	...	...	...	—	...	...	
24	---	Cu	---	0	2	4	3	0	2	G	G	K	K	J	i	...	...	...	...	...	...	
25	---	Cunb: Ast	Cunb:Stcu: Acu	0	0	10	10	9	9	G	H	i	H	J	J	...	...	●^{2}▲	●	●^{0}	●^{0}	T *a* : K̄●^{2}▲ *p* : ●^{0} p●^{2} *n*.
26	Cu: Stcu	Cu: Ci	Cu: Ast: Ci	8	6	6	5	5	2	K	K	K	K	K	K	...	...	...	...	...	...	
27	Frnb: Stcu: Ast	Stcu	Cu: Stcu:Ci	10	10	9	10	9	4	K	K	K	K	K	J	...	...	...	...	...	...	
28	---	Cu: Ci	Cu: Ci	0	8	5	7	5	1	J	K	K	K	K	i	...	...	...	...	...	...	⌓ early *a*.
29	---	---	---	0	0	0	0	0	0	i	K	K	K	J	i	...	...	...	...	...	...	⌓ early *a*.
30	---	Ci: Cist	Acu: Cicu	0	0	9	-	8	6	H	J	J	-	K	J	...	...	...	—	...	...	
Mean Cloud Am'nt.				6·9	7·3	7·6	†7·3	7·0	5·5													
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.						

*Mean of 27 days †Mean of 25 days

534. KEW OBSERVATORY JULY, 1935

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: Acu: Ci	Stcu: Ast	St: Stcu: Acu	9	9	9	9	9	6	H	H	J	i	J	G	...	...	...	...	...	...	p●° p : p● n.
2	St: Stcu: Acu	Cu	Cu: Stcu: Acu	10	8	7	9	8	8	i	i	K	K	K	J	...	...	...	...	...	...	Ꝁ●² early a.
3	Stcu: Cunb: Ast	Stcu	Cu: Stcu: Ci	10	9	9	5	4	3	K	K	J	K	K	K	●°	...	...	...	...	...	●° a.
4	St: Stcu	Cu: Stcu	Cu: Stcu	9	9	9	9	5	4	i	K	K	K	K	i	...	...	...	...	...	...	
5	Stcu	Cu: Stcu	Cu: Stcu: Ci	9	9	9	9	8	9	J	K	K	K	K	K	...	...	...	...	...	●°	●° p.
6	Cu: Ci: Cist	Cu	Cu	6	7	4	5	4	1	K	K	K	K	K	J	...	...	...	...	...	...	
7	---	Cu	Cu	0	1	7	-	4	0	i	H	i	-	K	K	...	...	...	—	...	...	⌓ early a.
8	---	Cu	Cu: Stcu	0	4	4	1	2	1	J	i	K	K	K	K	...	...	...	...	...	...	⌓ early a.
9	Ci	Cu: Ci	Cu	1	5	6	6	6	0	G	H	J	J	J	i	...	...	...	...	...	...	⌓ early a.
10	---	Cu: Ci	Cu: Stcu: Ci	0	5	9	6	4	10	H	H	J	J	K	J	...	...	...	...	...	...	
11	Acu: Ci: Cist	Cu: Stcu	Cunb: Acu: Ast	7	8	10	10	9	9	i	H	i	H	H	H	...	...	...	●°	...	●°	T p●° p : p●° n.
12	Stcu: Acu:Ast	St: Stcu	Acu	8	10	10	8	1	1	i	H	i	i	i	i	...	...	...	...	...	...	
13	---	---	---	0	0	0	0	0	0	G	G	J	K	J	J	...	...	...	...	...	...	⌓ early a.
14	---	---	Ci: Cist	0	0	0	-	3	8	G	H	J	-	K	J	...	...	...	—	...	...	⌓ early a.
15	Acu	Ci	Ci: Cist: Cicu	3	0	9	9	6	2	i	i	i	H	i	i	...	...	...	...	...	...	
16	Cu: Acu: Ci	Cu: Acu: Cicu	---	6	7	2	2	0	1	J	J	K	K	K	K	...	...	...	...	...	...	
17	Cu: Ast: Acu	Cu: Ast: Acu	Cu: Acu: Ci	10	10	9	9	9	8	K	K	K	K	K	K	...	...	...	...	...	...	p●° a.
18	Stcu: Ast	Cu: Stcu	Cunb: Stcu: Ci	10	9	7	8	4	3	J	J	K	K	K	K	...	...	...	...	...	...	p●° a : p●² p : p●° n.
19	Frnb: Acu	Cu: Stcu	Frnb: Ast: Acu	9	8	10	10	10	10	J	K	K	K	K	J	...	...	...	●°	...	...	p●° p.
20	Frnb: Stcu: Acu	Cu: Stcu	Cu: Stcu: Ci	8	9	9	9	6	0	J	J	K	K	J	J	...	...	...	...	...	...	●°p● a : p● p.
21	Cu: Acu: Ci	Cu: Stcu	Cu: Stcu	1	7	8	-	9	9	L	L	L	-	L	K	...	...	...	—	...	...	
22	Stcu	Cu: Stcu	Cu: Stcu	9	9	10	9	9	10	J	J	K	J	K	H	...	...	...	...	...	...	
23	---	Cu: Stcu	Cu: Ci	0	4	9	9	4	0	H	i	J	J	J	G	...	...	...	...	...	...	⌓ early a.
24	---	Cu: Stcu	Cu: Stcu	0	0	8	8	9	0	F	F	J	i	J	i	...	...	...	...	...	...	⌓ z early a : p●° p.
25	---	---	Cu	0	0	0	3	2	2	i	i	J	J	i	J	...	...	...	...	...	...	
26	Ci: Cist	Cist	Cu: Acu: Ci	8	9	9	8	8	1	i	J	J	J	J	H	...	...	...	...	...	...	⊕ a.
27	Acu: Ci	Cu: Stcu	Frcu: Acu:Ci	7	9	9	9	9	7	i	J	K	K	K	K	...	...	...	...	...	...	
28	Frnb	Cu: Ci	Frcu: Acu:Ci	10	9	5	-	7	6	J	K	L	-	L	K	...	...	...	—	...	...	●° early a.
29	Stcu: Ci	Cu:Stcu	Cu: Stcu:Ci	9	5	4	5	2	3	J	K	K	K	J	J●	...	...	...	...	...	...	
30	---	Frcu: Cu	---	0	1	1	1	0	0	H	i	J	K	K	J	...	...	...	...	...	...	
31	---	Cu	---	0	0	4	3	0	0	H	i	J	K	J	J	...	...	...	...	...	...	
Mean Cloud Am'nt.				5·1	5·8	6·6	*6·6	5·2	3·9													

535. KEW OBSERVATORY AUGUST, 1935

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	Acu: Ci: Cist	Ast	Ast: Cicu	8	9	10	8	9	5	i	i	i	i	J	J	...	...	...	...	...	...	⌓ early a.
2	---	Cu: Stcu	Cu: Stcu: Ci	0	0	5	8	1	1	H	J	J	K	J	J	...	...	...	...	...	...	⌓ early a.
3	Stcu	Stcu	Stcu	10	10	10	10	9	7	G	F	J	J	J	i	...	...	...	...	...	...	
4	Stcu	Cu: Stcu	Stcu: Acu	9	8	8	-	8	0	H	i	J	-	J	J	...	...	...	—	...	...	
5	---	Cu	Stcu	0	0	4	8	5	6	G	H	J	J	J	J	...	...	...	...	...	...	⌓ early a.
6	---	Cu: Stcu	Cu: Acu: Ci	0	0	7	9	3	1	G	H	J	J	J	i	...	...	...	...	...	...	⌓ early a.
7	Acu	Cu	Cu:Acu	9	3	6	7	7	0	H	H	J	J	J	i	...	...	...	...	...	...	
8	Ci: Cist	Cu: Cist	Cunb: Acu: Cicu	8	6	7	8	7	8	G	i	J	J	J	J	...	...	...	...	...	...	
9	---	Stcu	---	0	0	10	9	0	1	G	H	i	J	J	G	...	...	...	...	...	...	
10	Acu:Ci	Acu	---	4	3	1	2	0	2	H	J	J	K	K	J	...	...	...	...	...	...	
11	Acu: Ci	Acu: Ast	Acu: Ci	3	9	7	-	5	8	K	K	K	-	L	K	...	...	...	—	...	...	⌓ early a.
12	Acu: Ci	Stcu: Acu: Cist	Stcu: Ast	9	9	9	10	10	10	G	H	J	J	J	J	...	...	...	...	●°	●°	⊕ early a : ●°● n.
13	Stcu: Acu: Ci	Cu: Stcu: Ci	Cu: Stcu	1	8	8	5	5	0	J	J	K	K	K	J	...	...	...	...	...	...	
14	Ci	Stcu	Stcu	1	9	9	9	9	10	H	J	J	K	K	J	...	...	...	...	...	...	⌓ early a.
15	Stcu	Stcu	Cu: Stcu	10	9	9	9	9	9	J	J	K	K	K	K	...	...	...	...	...	...	
16	Stcu	Cu: Stcu: Ast	Stcu: Ast:Cist	8	8	9	9	9	9	i	J	K	K	K	K	...	...	...	...	...	...	p●° early p.
17	Acu: Ast:Cist	Cu: Acu:Cist	Cu: Acu: Cist	8	9	9	9	9	10	i	H	K	K	K	K	...	...	...	...	...	...	
18	Acu: Ast	Stcu: Acu: Ast	Au: Acu: Cist	9	9	9	-	7	2	i	i	J	-	K	K	...	...	...	—	...	...	●° early a.
19	Stcu	Cu: Acu: Ci	Cu: Acu:Ci	10	10	8	8	8	3	H	H	K	K	L	K	...	...	...	...	...	...	
20	Acu: Ci	Cu	---	3	1	4	8	0	0	i	i	J	K	K	K	...	...	...	...	...	...	
21	---	Cu	Ci	0	0	2	3	3	1	H	i	K	K	K	i	...	...	...	...	...	...	
22	---	---	---	0	3	0	0	0	0	H	J	J	K	K	K	...	...	...	...	...	...	
23	Frnb: Cunb: Stcu	Stcu: Ast: Acu	Stcu: Ci	10	10	10	10	9	5	H	G	F	J	J	K	●	...	...	...	●°	...	●°Ꝁ●² p● a : p●° p.
24	Frnb: Nbst	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10	9	F	G	G	H	J	J	●	●°	●°	...	●°	●°	●●° a : ●°● p : ●° n.
25	---	Stcu: Acu: Ast	Acu: Ci	0	8	9	-	2	9	C	J	K	-	K	J	...	...	...	—	...	...	F early a : ⌓ late p.
26	St	St	Ach: Ast:Ci	10	10	9	3	8	8	C	F	i	i	J	K	...	...	...	...	...	...	F early a.
27	Cu: Acu: Ci	Cu: Stcu	Cu: Acu	8	9	9	7	3	0	K	K	K	K	K	J	...	...	...	...	...	...	Ꝁ●² early a.
28	Acu: Ast:Ci	Cu: Acu: Ci	Cu: Acu: Ci	6	7	7	7	9	3	i	i	K	K	K	i	...	...	...	...	...	...	⌓ early a.
29	Cunb: Acu: Ci	Cu: Cunb: Stcu	Cu: Cunb:Ci	1	1	9	6	8	9	i	J	K	K	K	J	...	...	...	...	...	...	⌓ early a.
30	Stcu	Stcu: Nbst	Frnb: Nbst	9	9	10	10	10	8	K	K	K	i	H	J	...	...	●°	●	●°	...	●° a : ●●° p : ●° n.
31	Stcu: Acu:Ast	Cu: Stcu	Stcu: Acu: Ast	9	9	9	8	9	10	J	K	K	K	K	K	...	...	...	..	...	...	●°● early a.
Mean Cloud Am'nt.				5·6	6·3	7·5	†7·4	6·2	5·0													

*Mean of 27 days †Mean of 27 days

536. KEW OBSERVATORY — SEPTEMBER, 1935

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	Stcu	Stcu: Acu: Ast	10	9	9	-	9	7	K	K	L	-	K	J	...	...	...	—	...	...	●^{0} *a* : ⊤ ●^{0} *p* : ☈ ●^{0} *n*.
2	Stcu: Ci	Cu: Stcu: Acu	Cunb: Stcu:Acu	8	7	8	7	3	0	J	J	K	L	L	K	...	...	...	...	...	...	●^{0}p● *a* : p● *p*.
3	Acu: Ci	Cu: Acu: Ci	Cu: Acu: Ci	3	9	9	7	8	9	J	J	K	L	K	K	...	...	...	...	...	●^{0}	⌓ early, p●^{0} *a* : p●^{0} *n*.
4	St: Stcu	Cu: Acu: Ci	Cu: Stcu:Ci	10	10	7	7	9	4	i	i	K	K	K	J	...	●^{0}	...	...	●^{0}	...	●⊤ *a* : p●^{0} *p* : ●^{0} *n*.
5	Stcu	Cu: Acu: Ci	Stcu:Acu:Ast	9	9	7	8	9	10	J	J	K	K	J	H	...	...	...	...	●^{0}	●	p●^{0} *a* : ●^{0}● *n*.
6	Acu: Ci	Cu: Ci	Stcu	2	6	6	5	1	3	H	J	K	K	K	J	...	...	...	...	...	...	⌓ early *a*.
7	---	Cu	Stcu	0	0	4	6	1	0	H	i	J	J	i	J	...	...	...	...	...	...	⌓ early *a*.
8	Acu	Cu: Acu: Ci	Cu: Acu: Ci	5	0	8	-	10	9	H	H	K	-	K	J	...	...	...	—	...	...	⌓ early *a*.
9	Acu: Cist	Cumb:Stcu	Stcu: Ast:Acu	9	8	9	10	10	10	G	H	J	J	i	i	...	...	...	...	...	...	
10	Stcu	Cu: Stcu: Ci	Stcu: Acu: Ci	9	9	7	5	7	10	H	G	K	L	K	J	...	...	...	...	...	...	⌓ early *a*.
11	Stcu: Acu: Ci	Cu: Stcu: Ci	Acu: Ci	8	9	7	8	5	8	H	i	K	K	J	J	...	...	...	...	...	...	⌓ early *a*.
12	Stcu	Stcu:Acu	Cu: Stcu: Ci	9	3	9	9	8	3	G	i	K	K	K	K	...	...	...	...	...	...	⌓ early *a*.
13	Nbst	Cu:Stcu:Acu	Stcu:Acu:Cicu	10	2	9	9	5	1	J	K	K	K	K	J	●^{0}	...	...	...	...	...	●^{0} *a*.
14	Stcu: Acu	Cu	Cu: Acu	3	7	9	6	3	10	J	K	K	K	K	J	...	...	...	...	...	...	⌓ early *a* : ⩌ *p*.
15	Cu:Stcu	Cu: Stcu	Cu: Stcu: Ci	10	10	10	-	7	0	J	J	K	-	K	K	...	...	...	—	...	...	⌓ early p● *a*.
16	Ci	Stcu	Cu: Frnb:Nbst	4	5	9	9	10	10	K	K	K	K	J	K	...	...	...	...	●^{0}	●^{0}	●^{0}● *p*.
17	Stcu: Ci	Cu: Acu: Ci	Cu: Stcu:Ci	9	9	6	7	1	1	J	K	K	K	K	K	...	...	...	...	...	...	●●^{2}q early p● ⌇ (gusts) *a*.
18	Stcu	Cunb:Stcu:Ci	Stcu: Acu:Cist	5	4	9	9	9	9	K	K	K	K	J	J	...	...	...	...	...	...	p● early *a* : p●^{0} *p* : ●^{0}● *n*.
19	Frnb: Stcu	Cu: Stcu	Stcu	9	9	5	4	1	1	J	K	K	K	K	K	...	...	...	...	...	...	●●^{0} early *a*.
20	Frnb: Nbst	Cumb: Stcu	Cu: Acu: Cist	10	10	9	9	9	1	J	J	K	K	J	J	...	...	...	...	...	...	●^{0} early p● *a* : p●^{0} *p*.
21	Acu: Ci	Stcu: Ast	Stcu: Acu	6	9	10	9	9	8	E	H	i	J	J	H	...	...	...	...	...	...	f ⌓ early *a*.
22	Nbst	Frnb:Stcu	Stcu	10	10	10	-	6	9	G	H	J	-	J	J	●^{0}	...	●^{0}	—	...	●^{0}	●^{0}p●^{2} *a* : ●^{0} *n*.
23	---	Cu: Stcu: Ci	Frcu: Ci	0	0	6	6	2	1	H	J	K	K	J	J	...	...	...	...	...	...	●^{0} early *a*.
24	Stcu: Ast	Frnb	Frnb: Nbst	9	10	10	10	10	9	i	i	i	i	H	K	...	●^{0}	●^{0}	●^{0}	●^{0}	...	●●^{0} *a* : *p and n*.
25	---	Cu	Cu: Acu: Ci	0	2	5	4	10	0	J	K	K	K	i	H	...	...	...	...	...	...	
26	Acu	Cu: Stcu: Acu	Stcu: Ast	9	9	9	9	10	10	F	F	i	i	H	H	...	...	...	...	●^{0}	●^{0}	●^{0} *p*.
27	Frnb: Ast	Cu: Stcu	Stcu: Acu: Ast	10	10	8	7	9	9	i	i	K	K	J	J	...	...	...	...	●^{0}	...	●^{0} early *a* : ●^{0} *p*.
28	Frnb: Ast	Cu: Stcu	Acu: Ci	10	10	8	9	8	8	H	H	K	K	i	i	...	●^{0}	...	...	...	...	●●^{0} *a* : ☈●^{0} *p*.
29	Nbst	Frnb: Nbst	Cu:Stcu:Cist	10	10	10	-	9	8	i	G	G	-	J	K	●^{0}	●	●^{0}	—	...	...	●●^{0} *a and p*.
30	Frnb: Nbst	Cunb: Acu:Ci	Cunb: Acu: Cist	10	9	9	9	9	0	H	J	J	K	H	K	●^{0}	●^{0}	...	...	...	...	●^{0}●p●▲ *a* : p● *p*.
Mean Cloud Am'nt.				7·2	7·1	8·0	*7·5	6·9	5·6													

537. KEW OBSERVATORY — OCTOBER, 1935

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	---	Cunb: Ci	Stcu	0	3	9	8	8	9	K	K	J	J	i	J	...	...	...	...	...	...	p●^{0} *a* : ☈, ●^{0} *p* : p●^{0} *n*.
2	Acu: Ci	Stcu: Acu: Ast	Frnb: Stcu	8	9	10	10	10	9	H	H	J	J	i	i	...	...	...	...	●^{0}	●^{0}	p●^{0}●^{0} *p* : ●^{0} *n*.
3	Stcu: Ast: Ci	Frnb: Ast	Cu: Ast: Ci	8	8	9	9	9	9	H	J	i	i	H	G	●^{0}	...	●^{0}	●^{0}	...	...	p●^{0}●^{0} *a* : ●^{0} *p* : p●^{2}● *n*.
4	Stcu: Acu: Ci	Cu: Cunb: Ci	Cunb: Acu: Cist	8	8	9	9	9	1	K	K	J	i	i	J	...	...	...	...	...	...	● p● *a* : p●●^{0} *p* : p● *n*.
5	Ast	Cu: Stcu	Cu: Stcu: Ci	10	10	9	9	3	1	H	H	J	J	H	H	...	...	...	...	...	...	p●^{0} *p*.
6	St	Cu: Acu: Ci	Stcu: Ci	10	10	7	-	6	10	D	E	H	-	H	C	...	...	...	—	...	...	f *a* : F *n*.
7	St	Cu	Stcu	10	10	1	5	1	0	B	D	i	i	G	G	...	...	...	...	...	...	F *a*.
8	Stcu: Acu: Ast	Frnb: Ast	---	9	10	10	8	0	3	K	i	i	i	G	G	...	●	●	...	...	...	●^{0}● *a*.
9	Stcu: Acu:Ci	Stcu: Acu	Frnb: Ast	9	9	9	10	10	10	i	J	J	J	J	K	...	...	...	...	●^{0}	●^{0}	●^{0} early *a* : ●●^{0} *n*.
10	St: Nbst	Cu: Frcu	Stcu	10	10	5	5	1	2	J	J	K	K	i	J	●	●^{0}	...	...	...	...	● early *a*.
11	Stcu: Acu	Cu: Stcu: Acu	---	4	0	8	2	0	2	J	K	J	K	G	G	...	...	...	...	...	...	p●^{0} *p* : ⩌ *n*.
12	---	Cu: Stcu	Acu	0	0	7	4	3	0	i	G	i	J	F	G	...	...	...	...	...	...	⌓ early *a*.
13	Acu: Ci: Cicu	Cu: Acu: Cist	Acu	8	9	9	-	8	7	H	i	i	-	G	G	...	...	...	—	...	...	⌓ early *a* : ⩌ *n*.
14	Stcu: Ast	St: Stcu	Ci: Cist	10	10	10	10	9	10	J	i	i	i	G	G	...	...	...	...	...	...	
15	St: Stcu	St: Stcu	Stcu	10	10	10	10	10	3	i	J	J	J	i	J	...	...	...	...	...	...	
16	Stcu: Ast	St: Stcu	Stcu	10	10	10	10	10	10	J	J	i	i	H	G	...	...	...	...	...	...	●^{0} late *p*.
17	Acu	Cist	Cist	3	9	10	9	10	4	i	i	J	J	J	J	...	...	...	...	...	...	
18	Acu: Ast: Cist	Acu	St: Stcu: Ci	9	9	5	9	7	9	i	J	K	J	H	K	...	...	...	...	...	...	
19	---	Cu: Stcu	---	0	7	7	7	0	0	J	i	J	J	i	i	...	...	...	...	...	...	p●^{0}● early *a*.
20	St:Stcu	Cu:Stcu	---	9	9	9	-	0	0	J	J	i	-	G	H	...	...	...	—	...	...	
21	Stcu	---	---	2	0	0	0	0	8	H	H	i	i	H	G	...	...	...	...	...	...	⊔ early *a*.
22	St: Stcu	St:Stcu	Stcu: Acu	10	9	10	8	9	0	i	i	H	G	G	D	...	...	...	...	...	...	f *n*.
23	---	---	Acu	0	0	0	0	1	10	G	G	J	J	G	H	...	...	...	...	...	...	⊔ early *a*.
24	Stcu: Ast	Stcu: Acu	Stcu	10	10	9	4	9	10	H	G	G	H	H	H	●^{0}	...	...	...	...	...	●^{0} early *a* : p●^{0} *p*.
25	Acu: Ci	Cu	Stcu	5	0	7	5	1	0	i	G	i	i	F	F	...	...	...	...	...	...	m *n*.
26	St	Stcu: Acu	Stcu	10	10	10	10	10	8	B	B	G	H	G	G	...	...	...	...	...	...	F ⊔ *a*.
27	St: Stcu	St: Stcu	Stcu	10	9	10	-	10	10	J	J	J	-	G	G	...	...	●^{0}	—	...	...	●^{0} *a*.
28	Stcu	Stcu: Acu: Ast	Stcu	10	10	10	10	10	10	J	J	J	J	i	G	...	...	...	...	...	●^{0}	●^{0} *a and n*.
29	St: Stcu	Stcu	Stcu	9	10	10	9	2	3	J	J	J	J	J	i	...	...	...	...	...	...	●^{0} *p*.
30	St: Stcu: Acu	Stcu: Acu: Ast	Stcu: Acu: Ast	7	9	9	9	9	9	J	J	J	K	K	K	...	...	...	...	...	●^{0}	p●^{0} *p*.
31	Stcu: Acu:Ci	Frnb: Nbst	Frnb: Nbst	3	9	10	10	10	8	J	K	J	J	i	K	...	...	●^{0}	●	●^{0}	...	● early *a* : ● *p* : ●^{0} *n*.
Mean Cloud Am'nt.				7·1	7·6	8·0	†7·4	6·0	5·8													

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 25 days †Mean of 27 days

538. KEW OBSERVATORY NOVEMBER, 1935

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	Stcu: Ast: Acu	---	10	10	9	9	0	0	i	J	J	J	H	F	...	...	...	...	...	...	●●² *a* : ●° late *p*.
2	St: Stcu	Frnb:Stcu: Ast	Stcu	9	10	10	10	9	2	i	i	i	i	i	i	●°	●°	...	...	...	...	●° *a*.
3	Stcu: Acu: Ci	Cu: Frcu:Acu	Stcu: Acu	5	9	2	-	8	3	H	H	K	-	J	K	...	...	...	—	...	...	⌓ early *a* : ●° late *p*.
4	Stcu: Ast: Acu	Cu: Frcu	Stcu	10	9	8	9	5	5	i	i	K	J	G	H	...	...	...	...	...	...	● early *a*.
5	---	St: Acu	Stcu	0	10	9	9	10	10	E	B	F	G	G	i	...	...	...	...	...	●°	F *a* : ●° *p and n*.
6	Acu: Ci	Stcu:Nbst:Cist	Acu: Ci	3	2	9	9	1	3	H	H	i	i	G	F	...	...	●°	...	...	...	●° *p*.
7	St: Stcu: Acu	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10	10	G	F	G	F	G	H	...	...	●	●	●	●°	●●° *a* : *p and n*.
8	St	Stcu: Ast	Stcu: Aist	10	8	9	9	5	5	B	D	H	i	G	G	...	...	...	...	...	●°	F p● *a* : p● *p* : ● *n*.
9	Stcu: Acu: Ast	Stcu: Cu	---	9	10	5	3	0	7	i	H	i	i	G	G	...	●°	...	...	...	...	● *a* : p●° late *p*.
10	Frnb: Stcu: Ast	Frnb: Cunb: Cu	Acu	10	9	9	-	3	5	i	i	K	-	i	H	...	...	●°	—	...	...	p●° *a and p* : ●° *n*.
11	St	Cu: Stcu	Stcu: Acu	10	10	1	2	8	9	D	B	G	i	G	i	...	...	...	...	...	...	F *a* : ●° *p*.
12	Stcu: Ast: Acu	Cu: Acu: Cist	Stcu: Acu: Cist	8	1	7	9	7	10	i	i	H	i	i	i	...	...	...	...	...	●°	● early *a* : p● *p* : ●●° *n*.
13	Frnb: Nbst	Cu: Stcu: Ci	Stcu: Ci	10	9	8	7	1	2	G	H	i	H	G	i	●	●°	...	...	...	...	●●° *a*.
14	Stcu: Acu	St: Stcu	St: Stcu	7	9	10	10	8	9	i	J	J	J	J	K	...	...	...	●°	...	...	⌓ early *a* : ●° *p and n*.
15	Stcu: Acu: Ci	Frnb	Stcu: Ci	6	8	10	7	1	9	J	K	i	i	H	J	...	...	●°	...	...	●°	●° *a* : p●° *p*.
16	Frnb:Nbst	Frnb: Nbst	Stcu	10	9	9	8	5	7	H	i	H	H	F	G	●	●°	●°	●°	...	...	●●°p●° *a* : p●° *p* : ● late *n*.
17	Frnb:Nbst	Nbst	Frnb: Nbst	10	10	10	-	10	10	H	H	H	-	H	H	●°	●°	●	—	●°	●°	●●° *a* : *p and n*.
18	Stcu	Stcu	Stcu	10	9	9	10	10	10	H	i	i	H	H	H	●°	...	...	●°	●°	...	●° early *a* : ●●° *p and n*.
19	Stcu: Acu	Cu: Stcu: Ci	Stcu: Ast	7	9	9	10	10	10	H	D	i	i	J	i	...	...	...	...	...	●°	f *a* : ●°● *p*.
20	Stcu	St: Stcu	St:Stcu	10	10	10	10	10	10	G	G	F	F	F	F	...	...	...	●°	●	...	●° early *a* : ●° m *p and n*.
21	Stcu:Acu:Ast	St	St	8	9	10	10	10	10	H	G	F	F	F	F	...	...	...	...	●°	...	●° early *a* : ●° m *p and n*.
22	Stcu	St: Stcu	St	10	10	10	10	10	9	H	G	F	F	G	G	...	...	...	...	...	...	
23	Stcu: Acu	Cu:Stcu: Acu	Acu	8	8	9	9	2	0	H	H	i	H	i	i	...	...	...	...	...	...	p●° *p*.
24	Stcu: Acu	Acu	Stcu	7	1	2	-	6	2	H	G	H	-	F	F	...	...	...	—	...	...	⌴ early *a* : m *n*.
25	Acu	St: Stcu:Acu	---	2	1	9	2	0	0	F	F	F	F	F	F	...	...	...	...	...	...	⌴ m *a* : m *p and n*.
26	Stcu	Stcu: Ast: Acu	Cu: Stcu	10	7	9	9	9	10	G	H	i	i	i	i	...	...	...	...	...	...	⌴ early *a* : ●° *n*.
27	Acu	Cist: Ci	Ast: Ci: Cist	1	5	9	9	8	9	H	G	i	H	H	H	...	...	...	...	...	...	⊕ *p*.
28	Frnb: Nbst	Stcu	Stcu: Acu:Ast	10	10	10	9	9	9	H	i	i	i	i	H	●°	...	...	...	...	...	●° early *a*, and late *n*.
29	Stcu: Acu	Frcu: Acu: Ci	Stcu	3	8	3	8	9	5	H	H	i	H	H	J	...	...	...	...	...	...	●° *p*.
30	Stcu: Acu	Frnb: Stcu: Ast	Stcu: Ast	9	10	10	10	10	10	H	i	i	i	H	i	...	●°	...	...	...	●	●° *a* : ● *p*.
Mean Cloud Am'nt.				7·7	8·0	8·1	*8·4	6·5	6·7													

539. KEW OBSERVATORY DECEMBER, 1935

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	Cu: Acu: Ci	Frnb: Nbst	9	9	8	-	10	0	J	i	K	-	i	J	...	...	...	—	●°	...	●° early *a and n*.
2	Stcu: Acu	Cu: Stcu	Stcu	4	0	8	5	3	1	i	i	J	J	i	J	...	...	...	...	...	...	
3	Stcu: Acu: Ast	Ast	---	7	8	9	9	0	1	H	H	H	G	G	G	...	...	...	...	...	...	⌴ early *a*.
4	Stcu	Frnb: Stcu: Ci	Acu	7	10	9	0	2	3	H	H	i	i	G	F	●°	●°	...	...	...	...	●° *a* : ⌴ Ⓣ *n*.
5	Stcu	---	---	7	8	0	0	0	4	G	G	H	G	E	F	...	...	...	...	...	...	●° early *a* : f ⌴ *n*.
6	Stcu	Stcu	St: Stcu	10	10	9	9	10	10	H	F	E	F	E	D	●°	●°	...	...	...	...	●°, f *a* : f *p and n*.
7	St: Stcu	St	St	10	10	10	10	10	9	E	B	B	D	E	G	...	...	...	...	...	...	F *a* : f *p* : ●° late *n*.
8	Stcu: Acu	Acu: Ci: Cicu	Stcu	4	9	4	-	7	4	H	H	H	-	H	i	...	...	...	—	...	...	●° *p and n*.
9	Stcu	Stcu	St: Stcu	10	9	9	9	9	7	H	H	H	H	H	H	...	...	...	...	...	...	●° *a*.
10	St: Stcu	Stcu	St: Stcu	10	9	10	10	10	10	H	i	H	H	H	i	...	...	...	...	●°	●°	●° *n*.
11	Frnb: Nbst	Stcu: Frnb	Stcu: Frnb	10	10	10	10	10	10	H	G	H	K	H	i	●°	●°	●°	●°	...	●°	●° *a* : *p and n*.
12	Stcu	Stcu	Stcu	10	10	10	9	10	9	i	H	H	H	i	H	...	...	...	...	...	...	
13	Stcu	Stcu	Stcu	10	9	10	9	10	10	H	G	H	H	H	H	...	...	...	...	...	...	
14	Stcu	Stcu	Stcu	10	10	10	10	10	10	H	H	H	H	H	H	...	...	...	...	...	...	
15	Frnb:Nbst	Stcu	Stcu	10	9	8	-	9	0	H	i	G	-	H	G	●°	...	...	—	...	...	✶°●° early *a* : p●° *p*.
16	Stcu: Acu	Stcu	---	3	8	9	10	0	4	H	J	K	i	H	F	...	...	●°	●	...	...	●° early p●° *a* : ● *p*.
17	St	Stcu	Stcu	10	10	8	9	9	9	D	B	G	F	G	G	...	...	...	...	...	...	F ⌴ *a*.
18	Stcu	Cist	Cist	2	1	10	10	9	10	H	F	G	F	F	E	...	...	...	...	...	...	⊕ *p* : f *n*.
19	St: Stcu	St	St	10	10	10	10	10	10	G	E	D	E	F	G	...	●°	●°	...	✱°	...	●° f *a* : f, ✱° *p* : ✱° ✶° *n*.
20	Stcu: Acu	---	---	7	0	0	0	0	10	H	E	D	E	E	D	...	...	...	...	...	...	⌴ f *a* : f *p* : f ⌴ *n*.
21	St: Stcu	---	---	10	9	0	0	0	0	G	F	E	F	F	F	...	...	...	...	...	...	f *a* : m *p and n* : ⌴ all day.
22	---	---	---	0	0	0	-	0	0	H	G	H	-	F	F	...	...	...	—	...	...	m *p* : ⌴ all day.
23	St	St	St	10	10	10	10	10	10	D	A	B	X	X	B	...	...	...	...	...	...	F ⌴ *a, p and n*.
24	Frnb: Nbst	St	Stcu	10	10	10	10	10	10	G	G	E	C	G	E	●°	●°	●°	...	...	●°	●°, ●° f *a* : f *p* : ●° f *n*.
25	Stcu	Stcu	Stcu	9	9	9	-	10	5	H	H	H	-	G	G	●°	...	...	—	...	...	●° early *a* : ●° *p*.
26	Stcu	Stcu	Stcu	10	10	9	9	9	7	H	H	H	i	i	H	...	●°	...	...	...	...	●●° *a*.
27	Frnb: Nbst	Frnb: Nbst	Stcu	10	10	10	3	7	9	H	H	H	i	i	i	●	●°	●°	...	...	...	●●° *a and p*.
28	Stcu	Frnb: Ast	St: Stcu	10	10	10	10	10	9	H	H	H	H	i	G	...	...	●°	...	...	...	●●° *a*.
29	St: Stcu	Stcu	St: Stcu	10	8	8	-	9	10	G	G	H	-	G	G	...	...	...	—	...	●°	p●° *a and p* : ●●° *n*.
30	St: Stcu	Frnb:Cunb:Ci	Frnb: Nbst	10	10	9	10	10	10	H	i	i	i	H	H	...	...	●	●	●°	●°	● early p● *a* : ●●° *p* : ●° *n*.
31	Frnb: Nbst	Frnb: Nbst	---	10	10	10	10	0	8	H	H	i	H	H	H	●°	●	●	●²	...	...	●°● *a* : ●° *p*.
Mean Cloud Am'nt.				8·4	8·2	7·9	†7·6	6·9	6·7													
Mean Annual Cloud Am'nt.				7·1	7·5	7·3	7·5	6·7	5·9													
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 25 days

ELECTRICAL OBSERVATIONS, UNDERGROUND LABORATORY, WILSON METHOD

Mean value for periods of 20 min. about 14½h.

F = Potential Gradient; unit 1 volt/cm. λ+ = Conductivity due to positive ions; unit 10^{-18}/ohm.cm.

i = Air-earth current; unit 10^{-18} amp/cm²

540. KEW OBSERVATORY 1935

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	...	...	...	...	...	...	3·25	36	112	2·45	54	133	...	...	...	...	...	...
2	2·80	16	44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	3·95	13	50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	2·95	24	72	...	...	...	3·95	33	132	...	...	...	...	...	...	...	...	...
5	...	...	...	3·65	35	126	3·10	25	78	4·65	31	144	...	...	...	...	...	...
6	...	...	...	...	...	...	2·70	23	62	...	...	...	...	...	...	1·35	97	133
7	...	...	...	5·70	30	172	4·25	19	81	...	...	...	...	...	...	...	...	...
8	9·05	5	41	6·35	17	111	5·25	27	145	...	...	...	3·50	48	167	...	...	...
9	...	...	...	...	...	...	...	...	...	2·80	37	104	3·60	54	195	...	...	...
10	5·05	18	89	...	...	...	...	...	...	2·40	56	134	3·45	45	155	...	...	...
11	...	...	...	6·30	19	122	5·20	25	133	3·05	41	125	...	...	...	2·15	58	124
12	...	...	...	...	...	...	5·10	29	148	4·50	30	134	...	...	...	2·75	54	150
13	...	...	...	...	...	...	5·25	17	89	...	...	...	2·85	53	153	...	...	...
14	4·10	20	81	2·85	33	95	5·00	13	66	...	...	...	...	...	...	2·70	43	116
15	5·10	14	70	...	...	...	3·05	38	117	3·10	38	117	2·30	50	114	...	...	...
16	4·35	18	79	...	...	...	...	...	...	5·20	41	213	2·15	41	89	...	...	...
17	1·95	19	38	...	...	...	...	...	...	2·85	36	98	1·20	41	49	2·10	53	111
18	5·85	15	90	2·90	28	81	4·65	30	141	2·55	41	106	...	...	...	2·40	56	134
19	...	...	...	...	...	...	2·50	61	153	...	...	...	...	...	...	2·30	53	124
20	...	...	...	...	...	...	4·20	44	184	...	...	...	...	...	...	...	...	...
21	...	...	...	4·00	32	127	...	...	...	...	...	...	4·55	40	182	3·45	49	170
22	5·80	11	67	3·10	27	85	...	...	...	...	...	...	3·15	43	134	...	...	...
23	5·55	16	90	...	...	...	...	...	...	5·45	19	103	2·90	61	177	...	...	...
24	...	...	...	...	...	...	...	...	...	3·75	32	121	2·60	74	195	3·25	57	188
25	...	...	...	...	...	...	3·20	36	115	...	...	...	...	...	...	...	...	...
26	...	...	...	2·95	33	99	...	...	...	4·70	28	133	...	...	...	2·35	67	159
27	...	...	...	...	...	...	2·60	35	99	...	...	...	1·70	73	125	...	...	...
28	8·25	15	122	3·75	28	104	3·00	37	110	...	...	...	...	...	...	2·45	54	132
29	6·25	13	84	---	---	---	3·95	33	131	...	...	...	1·45	60	88	...	...	...
30	4·65	12	61	---	---	---	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	---	---	---	...	...	...	---	---	---	3·35	17	62	---	---	---
Mean	5·05	15	72	4·15	28	112	3·90	31	116	3·65	37	128	2·75	50	135	2·25	53	128
No. of days used	15	15	15	10	10	10	18	18	18	13	13	13	14	14	14	12	12	12

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	2·30	27	63	3·25	37	122	...	...	...	3·35	29	97	...	...	...	...	...	...
2	2·50	61	154	...	...	...	2·60	58	151	...	...	...	...	...	...	3·30	26	87
3	2·55	64	163	...	...	...	2·30	61	141	...	...	...	...	...	...	5·75	14	78
4	2·40	45	107	...	...	...	4·15	55	228	...	...	...	3·15	40	125	4·40	19	83
5	2·10	46	97	...	...	...	2·20	48	106	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	2·45	51	127	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	3·50	24	85	...	...	...	...	...	...
8	3·15	28	88	...	...	...	...	...	...	4·70	25	116	...	...	...	...	...	...
9	1·25	49	62	...	...	...	2·10	49	103	3·10	43	134	...	...	...	2·10	19	41
10	1·30	73	97	...	...	...	1·50	60	90	2·45	37	91	...	...	...	5·55	21	118
11	...	...	...	...	...	...	1·50	64	96	...	...	...	4·50	22	97	...	...	...
12	4·50	36	161	...	...	...	...	...	...	...	...	...	4·20	25	103	5·95	17	100
13	...	...	...	...	...	...	1·60	47	85	...	...	...	5·75	15	85	3·35	18	60
14	...	...	...	...	...	...	...	...	...	4·25	27	117	...	...	...	3·00	16	49
15	2·15	34	72	...	...	...	...	...	...	3·50	30	105	...	...	...	...	...	...
16	2·05	59	117	...	...	...	2·45	49	119	4·15	26	108	...	...	...	...	...	...
17	1·15	55	64	...	...	...	...	...	...	4·35	34	148	...	...	...	...	...	...
18	1·80	67	122	...	...	...	...	...	...	3·00	44	133	4·75	21	99	9·75	9	83
19	...	...	...	2·60	74	194	3·40	61	208	...	...	...	3·85	22	85	...	...	...
20	...	...	...	1.70	70	120	3·00	46	139	...	...	...	...	...	...	6·95	8	52
21	...	...	...	1·60	88	138	...	...	...	2·75	42	117	...	...	...	...	...	...
22	2·25	47	106	1·45	94	138	...	...	...	5·50	18	100	5·75	13	77	...	...	...
23	1·55	55	86	1·85	92	170	2·90	53	153	3·05	37	114	...	...	...	...	...	...
24	2·40	54	131	...	...	...	...	...	...	5·95	17	104	...	...	...	...	...	...
25	2·35	61	142	...	...	...	2·65	39	103	3·45	34	118	8·05	9	73	...	...	...
26	1·95	43	84	2·40	65	156	2·30	49	113	...	...	...	3·90	21	83	...	...	...
27	...	...	...	3·10	47	146	2·75	68	187	...	...	...	6·20	11	68	...	...	...
28	...	...	...	2·30	62	141	...	...	...	...	...	...	4·10	27	111	...	...	...
29	1·65	53	88	1·40	64	88	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	2·95	31	92	3·40	26	88	...	...	...
31	...	...	...	...	...	...	---	---	---	...	...	...	---	---	---	...	...	...
Mean	2·20	50	105	2·15	69	141	2·50	54	134	3·75	31	111	4·80	21	91	5·00	17	75
No. of Days used	19	19	19	10	10	10	16	16	16	16	16	16	12	12	12	10	10	10

The Year		F	λ+	i
	Mean . . .	3·45	38	113
	No. of Days used	165	165	165

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

541. KEW OBSERVATORY 1935.

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	0	...	1	1·4	1	1·4	1	0·9	2	4·0	2	3·2
2	1	0·6	0	...	1	1·8	1	1·2	0	...	1	2·4
3	0	...	1	2·8	1	1·0	1	1·4	0	...	1	1·9
4	0	...	1	0·8	0	...	2	3·0	0	...	1	0·4
5	0	...	1	1·0	1	0·1	1	1·1	0	...	2	4·4
6	1	2·2	2	7·8	0	...	1	0·9	0	...	1	2·7
7	1	1·9	1	0·6	0	...	2	11·5	0	...	2	3·3
8	1	1·4	1	0·5	1	0·8	2	4·4	1	0·1	1	0·8
9	0	...	0	...	0	...	1	0·6	0	...	0	...
10	0	...	1	1·4	0	...	1	1·5	0	...	1	2·7
11	2	3·0	0	...	0	...	1	0·9	1	0·3	1	1·3
12	0	...	1	0·3	1	2·7	0	...	0	...	0	...
13	1	(0·5)	1	2·0	1	0·1	1	2·0	0	...	0	...
14	1	(0·2)	0	...	2	5·6	1	1·0	2	5·4	1	0·5
15	0	...	2	3·5	0	...	1	2·0	2	6·9	2	4·6
16	1	0·2	1	0·6	1	0·6	2	3·8	1	2·4	2	3·0
17	1	2·6	0	...	1	0·5	2	3·1	0	...	1	0·7
18	1	0·4	0	...	0	...	1	2·0	2	3·6	1	0·3
19	0	...	0	...	0	...	1	1·0	2	7·2	1	1·9
20	1	1·1	1	1·9	0	...	1	2·8	2	7·0	1	1·0
21	2	4·4	1	2·0	0	...	1	0·1	0	...	0	...
22	1	0·7	2	8·5	1	1·0	1	0·3	0	...	0	...
23	0	...	0	...	2	4·6	1	1·0	2	3·4	0	...
24	1	0·6	2	5·0	0	...	0	...	1	2·9	0	...
25	1	2·3	2	3·1	0	...	1	2·1	2	6·4	1	2·0
26	2	5·8	0	...	0	...	0	...	1	1·1	0	...
27	2	9·4	2	6·1	1	0·3	0	...	1	0·6	0	...
28	0	...	1	0·4	0	...	0	...	1	1·4	0	...
29	1	0·1	---	---	1	0·2	0	...	2	7·0	0	...
30	1	0·1	---	---	2	3·4	1	0·3	2	7·3	0	...
31	1	1·7	---	---	0	...	---	---	0	1·2	---	---
Total	---	39·2	---	49·7	---	24·1	---	48·9	---	68·2	---	37·1
No.of Days Used.	---	31	---	28	---	31	---	30	---	31	---	30
Mean	---	1·3	---	1·8	---	0·8	---	1·6	---	2·2	---	1·2

Month	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	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.
Day												
1	1	1·3	0	...	1	0·6	1	1·1	1	1·3	1	2·3
2	2	4·3	1	0·1	1	0·8	1	0·8	1	1·3	0	...
3	0	...	1	0·1	1	0·1	1	2·2	1	0·6	0	...
4	0	...	0	...	1	1·8	2	6·1	2	3·1	1	3·6
5	1	0·2	0	...	1	2·4	1	0·4	1	2·1	1	0·8
6	0	...	1	0·1	0	...	0	...	0	...	1	1·0
7	0	...	1	0·1	0	...	0	...	2	9·4	1	1·1
8	0	...	0	...	0	...	2	4·4	2	4·5	1	0·6
9	0	...	1	0·4	0	...	1	0·5	1	2·1	2	3·0
10	0	...	0	...	0	...	2	3·8	2	3·3	1	5·3
11	1	1·4	0	...	0	...	1	0·4	1	0·2	1	1·1
12	1	1·5	2	6·3	0	...	0	...	2	5·9	0	...
13	0	...	1	0·4	0	...	0	...	2	4·0	1	1·7
14	0	...	0	...	1	0·2	0	...	1	2·9	0	...
15	0	...	0	...	1	0·6	0	...	1	2·4	2	5·3
16	0	...	0	...	1	0·5	1	0·5	2	6·8	1	1·1
17	0	...	0	...	1	0·7	0	...	2	22·1	1	2·5
18	1	1·6	1	0·5	1	1·7	0	...	2	3·0	0	...
19	0	...	0	...	1	1·3	1	0·3	1	2·3	2	4·8
20	1	0·9	0	...	0	...	1	0·1	1	1·8	0	...
21	0	...	0	...	1	0·4	1	1·2	1	1·1	0	...
22	0	...	0	...	1	0·5	1	1·2	0	...	0	...
23	1	0·3	2	3·3	1	0·1	0	...	1	0·3	0	...
24	0	...	2	5·6	1	2·9	1	2·8	1	0·5	2	4·3
25	1	0·1	1	0·1	0	...	0	...	0	...	2	3·6
26	1	0·1	1	0·1	0	...	0	...	0	...	2	4·2
27	0	...	1	1·3	0	...	2	3·7	0	...	2	5·5
28	1	0·2	1	0·2	1	1·8	1	1·5	1	0·4	2	3·9
29	0	...	1	0·4	2	5·1	0	...	0	...	2	4·4
30	0	...	2	5·3	1	0·8	0	...	1	2·6	2	6·7
31	1	0·1	1	0·1	---	---	1	2·6	---	---	2	4·8
Total	---	12·0	---	24·4	---	22·3	---	33·6	---	84·0	---	70·6
No.of Days Used	---	31	---	31	---	30	---	31	---	30	---	31
Mean	---	0·4	---	0·8	---	0·7	---	1·1	---	2·8	---	2·3

Annual Values:-	0	1	2		Total	Days used	Mean
Character				Duration of Negative Pot.Gradient	514·1hrs	365	1·4hr.
Number of Days	141	161	63				

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

542. KEW OBSERVATORY

1935

Month	JANUARY Factor 2·71				FEBRUARY Factor 2·75				MARCH 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	435	435	475	245	480	480	-125	315	220	550	300	685
2	0	490	285	205	135	220	415	535	110	190	300	80
3	310	540	380	300	245	345	125	260	260	190	345	345
4	215	380	310	395	85	-15	315	605	300	920	370	835
5	350	770	530	650	260	895	400	535	465	685	290	395
6	490	245	460	95	-25	-810	660	550	355	480	290	560
7	-15	325	380	300	455	1030	620	-110	425	890	450	550
8	70	625	840	530	165	880	575	905	150	575	465	355
9	435	1085	960	610	675	990	645	905	205	385	480	370
10	215	395	515	585	245	125	400	370	205	150	275	300
11	570	-120	285	530	220	575	620	440	165	440	440	330
12	270	490	460	435	150	125	165	455	150	575	495	410
13	310	705	435	-	260	260	770	400	370	465	590	630
14	-	460	395	530	315	550	290	770	-205	135	465	410
15	310	530	540	405	330	685	125	150	220	480	315	575
16	205	350	395	270	85	315	290	245	370	520	330	220
17	230	55	215	190	195	400	315	510	275	330	220	370
18	110	515	540	650	305	425	330	205	330	260	385	330
19	555	770	585	675	85	260	275	385	345	370	275	395
20	255	175	285	15	95	110	55	55	495	465	370	630
21	190	110	-150	325	15	415	385	480	300	370	220	505
22	190	135	570	570	-305	-25	Z+	645	235	300	260	-40
23	340	515	730	585	645	605	415	745	220	330	25	70
24	365	585	-15	310	440	745	235	Z+	135	205	190	275
25	150	95	-215	395	165	Z±	305	590	125	440	330	410
26	165	325	215	-150	195	525	305	660	275	300	300	315
27	-150	-55	230	-135	205	Z±	315	Z-	315	425	315	315
28	300	475	730	635	290	525	370	605	260	495	330	180
29	585	490	665	720					165	70	370	535
30	420	490	500	350					125	-110	135	180
31	-40	285	460	625					80	165	220	370
Means (a)	298	443	477	433	259	499	374	493	255	405	327	398
Means (b)	259	397	419	390	246	413	364	457	240	389	327	384
Mean for day.	(a) 413		(b) 366		(a) 406		(b) 370		(a) 346		(b) 335	

Month	APRIL Factor 2·65				MAY Factor 2·64				JUNE 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	80	280	240	280	80	-90	160	345	-110	95	190	465
2	240	250	Z+	345	265	345	265	460	Z-	125	205	300
3	280	265	Z+	610	265	250	240	475	205	260	Z±	300
4	210	240	Z±	425	330	645	395	290	190	315	245	380
5	250	505	345	210	355	185	130	200	70	Z±	300	-380
6	265	370	160	475	345	160	160	355	150	300	175	55
7	-1310	105	Z±	-395	265	555	420	345	40	-125	190	220
8	95	545	Z-	465	160	385	355	145	150	315	70	300
9	170	240	290	200	130	330	345	460	395	355	190	285
10	105	120	265	250	185	420	345	460	Z±	220	125	370
11	160	160	280	585	185	450	240	200	245	380	230	340
12	650	690	425	290	185	225	170	250	135	300	300	340
13	465	690	160	Z±	170	385	290	105	110	450	-	490
14	385	290	Z±	595	240	-80	Z±	410	175	370	190	450
15	330	385	250	370	-355	160	225	265	425	370	Z±	-435
16	-450	265	795	395	130	210	210	395	-300	275	615	395
17	95	Z+	225	-250	240	305	120	410	230	370	205	410
18	145	360	305	170	330	250	Z±	-55	220	190	260	275
19	40	265	170	515	105	355	Z-	-225	15	95	220	150
20	320	450	120	425	-595	315	Z±	460	40	230	190	0
21	200	305	250	690	450	490	420	490	245	330	340	395
22	200	225	200	585	290	330	355	435	355	355	340	380
23	95	675	490	570	25	145	265	185	135	435	230	380
24	240	410	360	505	105	395	290	90	230	520	315	355
25	210	320	Z±	290	-315	-185	315	170	275	490	Z±	Z±
26	105	370	435	450	80	185	210	65	95	330	220	245
27	120	395	345	370	105	105	160	265	220	190	175	260
28	135	240	280	370	40	265	395	370	260	435	220	175
29	80	450	290	290	130	65	120	-55	275	245	175	480
30	40	320	410	225	-55	0	395	200	300	300	230	395
31					25	450	385	145				
Means (a)	204	351	308	406	193	299	273	299	199	309	236	318
Means (b)	156	356	319	391	141	265	273	279	160	287	240	310
Mean for day.	(a) 317		(b) 305		(a) 266		(b) 239		(a) 265		(b) 249	

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

542. KEW OBSERVATORY 1935

Month	JULY Factor 2·69				AUGUST Factor 2·69				SEPTEMBER Factor 2·70			
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	230	525	335	120	55	270	335	110	160	230	255	190
2	Z±	215	200	230	135	540	255	200	175	135	295	420
3	120	295	240	295	270	190	120	215	285	430	245	405
4	95	190	230	215	120	135	110	150	230	Z±	580	390
5	200	175	190	110	120	240	-	120	160	350	245	Z+
6	160	240	160	135	160	415	150	120	270	430	215	335
7	80	175	135	175	55	335	240	120	245	500	230	460
8	110	310	310	270	110	350	120	135	270	485	160	475
9	270	525	110	270	55	95	110	150	190	430	205	325
10	95	325	135	160	255	365	160	325	160	500	150	160
11	135	230	Z+	55	215	255	160	230	80	295	150	215
12	200	510	405	310	110	500	25	65	325	405	270	390
13	240	430	270	350	40	255	160	110	80	255	175	-
14	240	270	160	230	110	365	190	65	-	285	150	295
15	135	255	215	215	135	405	200	175	190	205	270	295
16	120	455	280	95	120	405	240	310	150	365	255	110
17	215	190	120	215	255	550	200	350	80	205	350	295
18	255	310	110	Z+	40	240	110	350	150	390	80	215
19	350	365	160	255	215	415	240	190	15	175	325	295
20	65	365	190	295	190	430	160	280	135	110	310	430
21	190	240	120	215	135	270	160	135	190	485	310	190
22	160	110	230	200	80	255	135	295	-	110	215	295
23	80	325	160	110	135	Z±	135	325	150	555	285	350
24	135	335	255	375	120	25	-15	200	350	190	55	245
25	215	430	240	215	-	565	200	270	160	470	285	540
26	55	190	175	135	110	390	110	160	405	785	215	310
27	255	325	120	175	40	150	255	390	40	175	295	365
28	65	110	120	240	375	620	240	405	55	160	245	Z±
29	110	240	150	110	160	470	110	335	110	0	245	-
30	80	325	175	255	230	415	-765	405	-	-	Z+	555
31	40	405	200	135	160	325	240	270				
Means (a)	157	303	197	205	144	341	174	225	178	325	244	329
Means (b)	154	308	200	210	145	337	134	223	190	361	237	319
Mean for Day	(a) 215		(b) 218		(a) 221		(b) 210		(a) 269		(b) 277	

Month	OCTOBER Factor 2·79				NOVEMBER Factor 2·83				DECEMBER Factor 2·79			
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	21-22h
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	320	365	100	125	140	540	595	165	85	350	365
2	195	600	-40	85	85	-340	285	525	195	530	335	420
3	305	560	305	40	380	380	-	-	280	445	530	500
4	15	280	Z±	Z±	-	-	325	610	375	-430	420	920
5	305	320	265	460	100	950	200	15	-110	725	630	390
6	305	500	195	-	225	395	355	340	600	600	865	390
7	-	-	365	545	340	270	Z±	-115	-100	545	965	755
8	55	140	430	585	200	695	Z±	Z±	670	725	460	445
9	-30	475	305	165	255	-15	425	650	280	110	225	225
10	-70	100	235	585	185	185	200	Z±	165	305	500	-250
11	225	500	225	430	565	820	465	395	0	305	335	390
12	445	615	350	375	-115	695	465	Z±	210	445	570	810
13	210	515	305	225	100	40	210	510	375	640	365	235
14	110	-	405	375	310	255	0	125	195	755	335	545
15	320	375	305	445	115	340	-	Z+	-1090	250	500	560
16	140	210	365	375	170	Z±	Z-	185	Z±	405	-265	615
17	250	515	430	490	Z-	185	-410	-210	530	1255	210	560
18	225	515	305	225	155	455	425	85	390	570	880	765
19	100	335	195	420	310	890	395	-15	235	530	-375	515
20	155	165	225	615	125	355	285	295	445	475	740	1060
21	335	585	280	585	155	595	310	595	700	1145	755	700
22	195	30	560	420	440	540	550	455	740	975	710	850
23	460	350	295	615	510	425	665	210	655	1230	1230	810
24	-30	390	530	320	200	340	540	735	725	-30	15	140
25	110	695	305	430	370	465	790	665	70	755	500	460
26	225	490	500	-	540	540	425	540	-30	-210	350	375
27	-	-	40	40	310	695	565	735	85	-55	40	640
28	85	195	265	165	155	170	355	480	-320	350	235	640
29	30	225	165	445	240	720	580	480	615	430	420	-140
30	235	390	280	265	340	425	380	-355	40	235	-70	-100
31	85	420	-280	295					140	0	475	500
(a)	206	386	314	361	259	460	406	439	355	549	498	556
(b)	183	382	279	368	267	422	416	384	241	456	450	483
Mean for Day	(a) 317		(b) 303		(a) 391		(b) 372		(a) 489		(b) 407	
								Annual Means (a)	224	386	318	367
								Annual Means (b)	199	365	306	349
									(a) 324		(b) 305	

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 — 1935

Month and Season	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	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.	-76	-107	-112	-129	-130	-111	-40	+43	+78	+75	+72	+95	+83	+47	+65	+62	+47	+40	+56	+47	+21	-24	-28	-72	+36	457
Feb.	-76	-117	-137	-171	-144	-110	-81	+3	+107	+115	+59	-7	-20	-57	-47	-2	+18	+59	+170	+121	+139	+139	+43	-3	...	438
Mar.	-64	-94	-92	-93	-107	-89	-44	+29	+81	+83	+47	+2	-56	-54	-45	-29	+2	+68	+80	+115	+129	+111	+38	-16	-18	367
Apr.	-9	-69	-120	-132	-137	-93	-23	+44	+87	+42	+1	-19	-23	-3	+11	+23	+8	+22	+47	+84	+92	+47	+76	+41	...	319
May	-23	-62	-85	-73	-46	-41	+24	+61	+22	+42	+24	-12	-37	-36	-33	-37	+11	+23	+49	+49	+52	+62	+62	+19	-54	329
June	-23	-37	-38	-56	-41	-38	-1	+47	+52	+27	-7	-39	-50	-44	-38	-24	-8	+2	+39	+50	+55	+59	+66	+44	+27	288
July	-28	-44	-56	-48	-51	-28	+39	+100	+101	+97	+49	+3	-6	-20	-28	-38	-55	-56	-35	-11	+22	+54	+36	0	-92	203
Aug.	-32	-44	-49	-47	-40	-8	+101	+149	+138	+80	+38	-10	-21	-57	-40	-33	-59	-60	-32	-27	+16	+34	+15	-11	+2	220
Sept.	-63	-91	-72	-65	-67	-56	+25	+128	+164	+148	+43	-10	-43	-64	-65	-65	-38	-17	+36	+65	+77	+57	+4	-29	-8	283
Oct.	-37	-76	-87	-88	-81	-71	-36	+51	+91	+58	+30	-4	-33	-25	-35	-13	+26	+77	+84	+99	+95	+9	-13	-23	...	343
Nov.	-27	-65	-113	-138	-149	-126	-98	-32	+32	+89	+20	+36	+7	+23	-20	+45	+75	+90	+91	+77	+73	+58	+42	+13	...	480
Dec.	-95	-70	-129	-150	-159	-126	-72	+35	+158	+127	+132	+142	+21	+20	+31	+76	+110	+27	+50	+55	-7	-65	-59	-52	...	609
Year	-46	-73	-91	-99	-96	-75	-17	+55	+93	+82	+42	+15	-15	-23	-20	-3	+11	+23	+53	+60	+64	+45	+23	-7	...	361
Winter	-69	-90	-123	-147	-145	-118	-73	+12	+94	+101	+71	+67	+23	+8	+7	+45	+63	+54	+92	+75	+57	+27	-1	-29	...	496
Eqnx.	-43	-83	-93	-95	-98	-77	-19	+63	+106	+83	+30	-8	-39	-37	-33	-21	-1	+37	+62	+91	+98	+56	+26	-7	...	328
Summer	-27	-47	-57	-56	-45	-29	+41	+89	+78	+61	+26	-15	-29	-39	-35	-33	-28	-23	+5	+15	+36	+52	+45	+13	...	260

AIR POLLUTION: HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre)
COMPLETE DAYS ONLY

544. KEW OBSERVATORY — 1935

Month and Season	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	No. of Days Used
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
Jan.	·21	·19	·14	·14	·13	·15	·15	·19	·22	·28	·25	·30	·28	·28	·25	·25	·29	·33	·32	·33	·33	·33	·31	·27	·25	31
Feb.	·08	·05	·06	·04	·05	·05	·10	·10	·19	·17	·16	·15	·12	·10	·11	·11	·14	·16	·23	·24	·23	·21	·16	·12	·13	28
Mar.	·17	·15	·14	·11	·11	·13	·15	·19	·25	·27	·17	·15	·15	·14	·13	·14	·16	·20	·27	·33	·33	·35	·30	·21	·20	31
Apr.	·06	·05	·05	·06	·07	·06	·08	·11	·12	·11	·11	·09	·09	·09	·09	·09	·08	·09	·10	·14	·15	·15	·12	·09	·09	30
May	·08	·07	·06	·05	·07	·07	·09	·11	·09	·07	·07	·05	·06	·03	·05	·03	·05	·05	·08	·11	·13	·14	·11	·10	·08	31
June	·03	·03	·04	·05	·04	·05	·06	·06	·04	·02	·02	·01	·01	·00	·01	·01	·00	·00	·02	·02	·03	·03	·03	·02	·03	30
July	·07	·07	·07	·07	·07	·09	·11	·13	·11	·09	·08	·07	·05	·03	·03	·03	·02	·02	·02	·03	·05	·07	·06	·07	·06	31
Aug.	·01	·02	·02	·02	·03	·06	·08	·12	·11	·08	·07	·06	·05	·04	·01	·01	·01	·01	·01	·01	·03	·03	·02	·02	·04	28
Sept.	·04	·04	·05	·04	·03	·05	·07	·09	·09	·05	·04	·02	·03	·02	·01	·01	·02	·03	·06	·07	·07	·05	·05	·04	·05	29
Oct.	·07	·05	·05	·05	·05	·04	·05	·10	·14	·13	·10	·08	·07	·05	·06	·07	·09	·16	·19	·21	·18	·17	·14	·10	·10	30
Nov.	·11	·08	·06	·06	·05	·05	·06	·11	·21	·25	·25	·23	·19	·18	·16	·18	·24	·32	·30	·29	·27	·21	·19	·17	·18	30
Dec.	·25	·20	·18	·16	·14	·13	·13	·19	·27	·37	·43	·41	·37	·35	·36	·43	·46	·52	·56	·57	·58	·48	·42	·33	·35	31
Year	·10	·08	·07	·07	·07	·08	·09	·13	·15	·16	·15	·13	·12	·11	·11	·11	·13	·16	·18	·20	·20	·19	·16	·13	·13	360
Winter	·16	·13	·11	·10	·09	·09	·10	·15	·22	·27	·27	·27	·24	·23	·22	·24	·28	·33	·35	·36	·35	·31	·27	·22	·22	120
Eqnx. Spring	·11	·10	·09	·09	·09	·09	·12	·15	·19	·19	·14	·12	·12	·12	·11	·12	·12	·14	·18	·23	·24	·25	·21	·15	·14	61
Autumn	·06	·05	·05	·04	·04	·04	·06	·09	·11	·09	·07	·05	·05	·04	·03	·04	·05	·09	·13	·14	·13	·11	·09	·07	·07	59
Summer	·05	·05	·05	·05	·05	·07	·09	·11	·09	·06	·06	·05	·04	·03	·02	·02	·02	·02	·03	·04	·06	·07	·06	·05	·05	120

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 — 1935

Month and Season	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	Non Cyclic Change	Range
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
Jan.	-·04	-·06	-·10	-·10	-·11	-·10	-·10	-·06	-·03	+·04	+·01	+·05	+·04	+·03	+·01	+·01	+·04	+·09	+·08	+·09	+·09	+·08	+·06	+·02	·00	·20
Feb.	-·05	-·07	-·07	-·09	-·08	-·08	-·07	-·03	+·06	+·05	+·03	+·02	-·01	-·02	-·02	-·01	+·01	+·03	+·10	+·11	+·10	+·08	+·03	-·01	·00	·20
Mar.	-·02	-·04	-·06	-·09	-·09	-·07	-·05	-·01	+·06	+·07	-·02	-·04	-·05	-·05	-·07	-·05	-·03	·00	+·07	+·13	+·13	+·15	+·11	+·02	·00	·24
Apr.	-·04	-·05	-·05	-·03	-·03	-·03	-·01	+·02	+·03	+·02	+·02	-·01	-·01	·00	·00	·00	-·02	·00	+·01	+·05	+·06	+·06	+·03	·00	·00	·11
May	+·01	·00	-·01	-·02	-·01	·00	+·01	+·03	+·01	-·01	-·01	-·02	-·02	-·04	-·03	-·04	-·03	-·02	+·01	-·03	+·05	+·06	+·03	+·03	·00	·10
June	·00	+·01	+·01	+·02	+·01	+·02	+·04	+·03	+·02	·00	-·01	-·02	-·02	-·03	-·02	-·02	-·03	-·02	-·01	-·01	+·01	·00	+·01	·00	·00	·07
July	+·01	·00	·00	·00	+·01	+·03	+·04	+·07	+·05	+·03	+·01	·00	-·02	-·04	-·03	-·03	-·04	-·05	-·04	-·03	-·01	+·01	·00	+·01	·00	·12
Aug.	-·03	-·02	-·02	-·02	-·01	+·02	+·04	+·08	+·07	+·04	+·03	+·02	+·01	·00	-·03	-·03	-·03	-·03	-·03	-·03	-·01	-·01	-·02	-·02	·00	·11
Sept.	·00	-·01	·00	·00	-·01	·00	+·02	+·04	+·05	+·01	-·01	-·02	-·02	-·02	-·03	-·03	-·02	-·01	+·01	+·02	+·03	+·01	+·01	·00	·00	·08
Oct.	-·03	-·05	-·05	-·05	-·05	-·06	-·05	·00	+·04	+·03	·00	-·02	-·03	-·05	-·04	-·03	-·01	+·06	+·09	+·11	+·08	+·07	+·04	·00	·00	·17
Nov.	-·07	-·09	-·12	-·11	-·12	-·13	-·11	-·07	+·03	+·07	+·07	+·05	+·01	·00	-·02	·00	+·06	+·14	+·12	+·12	+·09	+·04	+·01	-·01	·00	·27
Dec.	-·10	-·14	-·17	-·18	-·21	-·21	-·21	-·15	-·08	+·02	+·08	+·07	+·02	·00	+·02	+·08	+·11	+·18	+·21	+·23	+·23	+·14	+·08	-·02	·00	·44
Year	-·03	-·04	-·05	-·06	-·06	-·05	-·04	·00	+·03	+·03	+·02	+·01	-·01	-·02	-·02	-·01	·00	+·03	+·05	+·07	+·07	+·06	+·03	·00	·00	·13
Winter	-·06	-·09	-·11	-·12	-·13	-·13	-·12	-·08	·00	+·05	+·05	+·05	+·01	·00	·00	+·02	+·06	+·11	+·13	+·14	+·13	+·08	+·05	-·01	·00	·27
Eqnx.	-·02	-·03	-·04	-·04	-·04	-·04	-·02	+·01	+·04	+·03	·00	-·02	-·03	-·03	-·04	-·03	-·02	+·01	+·05	+·08	+·07	+·07	+·05	·00	·00	·12
Summer	·00	·00	-·01	-·01	·00	+·02	+·03	+·05	+·03	+·01	+·01	-·01	-·01	-·03	-·03	-·03	-·03	-·03	-·02	-·01	+·01	+·02	+·01	·00	·00	·08

† 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. 1935.

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
Jan.			h. m. s.	s.	μ	km.	
1	Z	iPKP	13 40 2	...	...	(16000)	Dilatation NE, e.Tonga
	Z	ipPKP	41 15	...	...	...	Islands. 15°S., 175°
	ZNE	ePP	43 21	...	...	...	W., with focal depth
	E	i	14 1 38	...	...	...	300 km. (J.S.A.)
	N	e	2 22	...	...	...	
	NE	e	3 10	...	...	...	
	E	i	3 54	...	...	...	No surface waves.
	E	e	7 13	...	...	...	
		F	15 30	...	...	...	
2		e	23 17	...	...	...	Coast of Northern
		F	35	...	...	...	California. 41° N.,
							124° W. (J.S.A.)
3	Z	iP	2 0 58	...	...	7310	Compression NE, e.
	NE	iS	9 43	...	...	...	
	ZNE	eSSS	16 52	...	...	...	
	ZNE	i	17 10	...	...	...	Tibet. 31·5° N., 88° E.
	NE	L	20	...	...	...	(Strasbourg.)
	Z	L	23	...	...	...	
	E	M	28 33	21	+27	...	
	N	M	28 42	21	+64	...	
	Z	M	32 42	15	+19	...	
		F	3 45	...	...	...	
4	ZNE	iP	14 46 25	...	...	2390	Amplitudes of iP as
	ZNE	i	46 32	...	...	...	read in mm:
	NE	eS	50 21	...	...	...	N E Z
	ZNE	iS	50 25	...	...	...	(−0·3) +1·3 −2·0
	ZN	i	50 32	...	...	...	
	E	i	50 36	...	...	...	Sea of Marmara.
	ZNE	L	52	...	...	...	40·8° N., 28·3° E.
	N	M	54 15	14	+105	...	(Strasbourg.)
	E	M	55 13	21	−76	...	
	N	M	56 22	10	−100	...	
	E	M	56 25	15	+69	...	
	Z	M	57 0	10	+37	...	
		F	16 15	...	...	...	
4	ZNE	eP	16 24 59	...	...	2500	Repetition of preceding shock.
	Z	i	25 2	...	...	...	
	ZNE	iS	29 4	...	...	...	Sea of Marmara.
	ZNE	L	31	...	...	...	40·8° N., 29·0° E.
	E	M	33 54	17	−55	...	(Strasbourg.)
	N	M	34 11	17	−76	...	
	Z	M	35 42	11	−34	...	
		F	17 40	...	...	...	
11		e	0 57	...	...	...	Philippine Islands.
		F	1 15	...	...	...	19° N., 120° E.
							(Manila.)
17	ZNE	iPKP	2 27 57	...	...	(16000)	North-West of Loyalty Islands.
	N	ePPS	44 43	...	...	...	
	E	ePSS	50 28	...	...	...	19° S., 165° E.
	N	eSSS	56 33	...	...	...	(Manila.)
	NE	eL	3 10	...	...	...	
	Z	eL	20	...	...	...	
	N	M	35 41	25	−10	...	
		F	4 20	...	...	...	
18		e	12 38	...	...	...	Very small.
		F	13 15	...	...	...	
18	Z	e	18 2 23	...	...	...	Possibly microseismic.
	NE	e	6 4	...	...	...	
	ZNE	eL	8	...	...	...	
	N	M	12 44	16	+ 8	...	Southern part of
	Z	M	12 55	16	+ 7	...	Riu-Kiu Islands.
		F	30	...	...	...	(Chiufeng.)
19	ZNE	eS	12 54 59	...	...	...	
	NE	eL	13 1	...	...	...	
	Z	eL	3	...	...	...	
	N	M	3 59	26	+ 7	...	
		F	14 15	...	...	...	
23	ZN	iP	7 35 52	...	...	8420	Amplitudes of iP as
	NE	iS	45 33	...	...	...	read in mm:
	E	i	45 41	...	...	...	N E Z
	N	iPS	45 53	...	...	...	−1·5 0·0 +2·3
	Z	i	46 27	...	...	...	Azimuth about north.
	NE	iSS	51 11	...	...	...	
	Z	e	53 50	...	...	...	Aleutian Islands.
	N	iSSS	54 52	...	...	...	52° N., 170° W.
							(U.S.C.G.S.)
Jan.			h. m. s.	s.	μ	km.	
23 cont.	E	eLQ	56	...	...	...	
	ZN	eLR	8 0	...	...	...	
	E	M	3 56	26	+41	...	
	N	M	13 18	19	+43	...	
	N	M	15 28	19	−66	...	
	Z	M	15 32	19	+77	...	
	E	M	15 37	19	−54	...	
		F	10 55	...	...	...	
26			— — —	...	...	...	No records: 5h—11h 20m.
29			— — —	...	...	...	No records during adjustments; 14h 10m—14h 50m.
30		e	1 7	...	...	...	Mongolia.
		F	20	...	...	...	48·5°N., 97° E. (U.R.S.S.)
31		e	19 10	...	...	...	2° S., 171° E.
		F	30	...	...	...	(Manila.)
Feb. 3		e	2 25	...	...	...	Felt at Tashkent.
		F	55	...	...	...	37·5° N., 70·0° E. (U.R.S.S.)
4	Z	ePKP	17 44 20	...	...	...	South of Samoa.
	NE	eL	18 40	...	...	...	(Chiufeng.)
	Z	eL	44	...	...	...	
		F	19 45	...	...	...	
6		eL	2 10	...	...	...	Atlantic Ocean near
		F	35	...	...	...	30° N., 40° W. (Strasbourg.)
7	NE	eL	18 19	...	...	...	Philippine Islands
	N	M	24 43	19	+ 3	...	11° N., 121° E.
	Z	eL	27	...	...	...	(U.R.S.S.)
		F	40	...	...	...	
9	NE	eL	20 4	...	...	...	Northern Formosa.
	Z	eL	12	...	...	...	25° N., 122° E.
	E	M	12 45	20	− 8	...	(Taihoku.)
		F	35	...	...	...	
13		e	9 58	...	...	...	
		F	10 10	...	...	...	
22	Z	eP	17 18 (15)	...	...	(8050)	Confused by microseisms
	E	iS	27 37	...	...	...	
	N	iSKS	27 51	...	...	...	
	NE	i	38 24	...	...	...	Aleutian Islands.
	E	i	39 58	...	...	...	51° N., 177° E.
	N	i	41 9	...	...	...	(J.S.A.)
	ZN	i	42 7	...	...	...	
	E	i	42 22	...	...	...	
	ZNE	eL	43	...	...	...	
	N	i	53 30	...	...	...	Large movement.
	N	M	59 19	18	−39	...	
	E	M	18 6 1	17	−41	...	
	Z	M	9 43	16	+35	...	
		F	20 0	...	...	...	
25	ZNE	iP	2 56 34	...	...	2540	Dilatation. Azimuth
	ZN	i	56 58	...	...	...	about south-east.
	E	e	3 0 42	...	...	...	Destructive in Crete.
	NE	iS	0 49	...	...	...	35·5° N., 24° E.
	NE	i	1 10	...	...	...	(Strasbourg.)
	NE	L	3 26	...	...	...	
	N	M	5 3	19	+63	...	
	Z	M	5 14	9	+18	...	
		F	30	...	...	...	
26			— — —	...	...	...	No records; 10h 4m to 12h 48m.
Mar. 5	NE	eL	10 44	...	...	...	Caspian Sea off Persia.
	Z	eL	48	...	...	...	37° N., 53° E.
	N	M	53 59	22	+10	...	(U.R.S.S.)
		F	11 30	...	...	...	

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
Mar.			h. m. s.	s.	μ	km.	
5	NE	eL	22 49	...	...	...	Himalayas.
cont.	Z	eL	55	...	...	...	30·5° N., 80° E.
	N	M	55 42	15	+9	...	(U.R.S.S.)
	E	M	55 52	15	−8	...	
	Z	M	55 54	15	+12	...	
		F	23 15	...	...	...	
8			— — —	...	...	...	No records; 5h 15m to 10h 10m.
11			— — —	...	...	...	No records; 10h 6m to
				...	...	...	11h 46m.
12	NE	eL	14 5	...	...	...	Horizontal components disturbed by wind.
	Z	eL	10	...	...	...	
		F	25	...	...	...	
14	ZNE	eL	16 55	...	...	...	
		F	17 55	...	...	...	
14	ZN	eP	17 5 43	...	...	(1630)	Felt in Southern
	NE	e	8 19	...	...	...	Spain.
	N	e(S)	8 32	...	...	...	36° 24′ N., 3° 37′ W.
	N	e	8 56	...	...	...	(Granada).
	ZNE	L	10	...	...	...	Clearly recorded by
		F	— — —	...	...	...	Wood-Anderson seismograph (N-S component). Masked by coda of preceding shock.
15	ZNE	eL	12 43	...	...	...	
		F	13 10	...	...	...	
18	ZNE	eP	8 46 0	...	...	2810	Rhodes (Strasbourg).
	E	iS	50 29	...	...	...	
	ZN	i	50 37	...	...	...	
	NE	i	51 1	...	...	...	
	NE	i	51 27	...	...	...	
	N	iS_cS	56 52	...	...	...	
		F	9 5	...	...	...	
19	N	e(S)	7 30 03	...	...	...	Felt in south-east
	NE	e	31 47	...	...	...	France.
	Z	M	32 41	8	+11	...	
		F	35	...	...	...	
20-21	NE	e	23 43	...	...	...	Solomon Islands.
	NE	eL	55	...	...	...	5° S., 162° E.
	Z	eL	0 5	...	...	...	(Manila.)
	N	M	43 17	25	+11	...	
		F	1 30	...	...	...	
29	ZN	eL	13 45	...	...	...	Confused by
	N	M	53 14	20	+7	...	microseisms.
	Z	M	53 47	19	+11	...	No "E-W" record.
		F	14 55	...	...	...	East of New Zealand. 40° S., 175° W. (Manila.)
30	Z	eP	21 32 10	...	...	9310	Pacific Ocean off
	ZNE	eS	42 36	...	...	...	Japan.
	NE	eL	59	...	...	...	36·5° N., 141·5° E.
	Z	eL	22 3	...	...	...	(U.R.S.S.)
	E	M	10 23	22	−14	...	
	N	M	11 59	21	+23	...	
	Z	M	14 28	19	−18	...	
		F	23 0	...	...	...	
31	Z	iP	3 25 34	...	...	2000	NE, e.
	NE	eS	28 57	...	...	...	Macedonia.
	ZNE	eL	30	...	...	...	40·5° N., 21° E.
	N	M	31 33	15	−22	...	(Strasbourg.)
	E	M	34 29	15	−13	...	
	Z	M	35 33	10	+15	...	
		F	4 5	...	...	...	
April 1		e	3 40	...	...	...	
		F	4 30	...	...	...	
3	Z	iP	11 20 44	...	...	5350	Compression. NE, e.
	NE	iS	27 45	...	...	...	Practically no surface
	NE	i(SS)	30 10	...	...	...	waves.
	N	i	36 28	...	...	...	Afghanistan.
		F	12 5	...	...	...	37° N., 70·5° E. (U.R.S.S.)

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
April			h. m. s.	s.	μ	km.	
3		e	12 25	...	...	...	Very Small.
cont.		F	13 10	...	...	...	
3		e	22 7	...	...	...	
		F	30	...	...	...	
5	ZNE	eL	4 14	...	...	...	
		F	40	...	...	...	
5	Z	eL	9 40	...	...	...	Horizontal components disturbed by
		F	45	...	...	...	wind.
11	ZNE	eL	2 10	...	...	...	Confused by wind and microseisms.
	E	M	12 10	21	+4	...	Indian Ocean.
		F	20	...	...	...	13° N., 95° E. (U.R.S.S.)
11/12	Z	iP	23 22 27	...	...	4380	Compression. NE, e.
	ZE	i	22 35	...	...	...	Felt in Persia.
	ZE	iPP	24 4	...	...	...	36° N., 51° E.
	NE	iS	28 36	...	...	...	(Strasbourg.)
	NE	e	28 50	...	...	...	
	N	iSS	31 15	...	...	...	
	ZNE	eL	34	...	...	...	
	Z	i	41 29	...	...	...	
	N	M	42 8	26	+51	...	
	Z	i	42 34	...	...	...	
	E	i	46 9	...	...	...	
	Z	i	46 13	...	...	...	
	E	i	49 22	...	...	...	
	E	i	49 56	...	...	...	
		F	1 50	...	...	...	
12		e	13 1	...	...	...	Repetitions of shock
		F	35	...	...	...	at 11d 23h.
12		e	22 55	...	...	...	
		F	23 5	...	...	...	
15		e	21 52	...	...	...	Very small.
		F	22 0	...	...	...	
19	ZNE	iP	15 28 30	...	...	2525	Amplitudes of iP as
	ZN	i	28 38	...	...	...	read in mm :—
	ZNE	iPP	28 52	...	...	...	N E Z
	ZE	i	30 54	...	...	...	−10·2 +6·1 −13·8
	NE	iS	32 37	...	...	...	giving azimuth about
	ZNE	eL	34	...	...	...	145°. Mediterranean
	E	M	35—38	...	...	...	Sea near the coast of
	N	M	35 45	25	>+320	...	Tripoli. 32.5° N.;
	N	M	37 51	20	>+260	...	16° E. (Strasbourg).
	Z	M	38—40	(18)	(290)	...	Maxima doubtful;
		F	— — —	...	...	...	traces very faint and passing off upper edge of N and E records. Overlapped by next shock.
19		iP	18 2 57	...	...	2540	Times from Wood-Anderson seismogram.
		iS	7 5	...	...	...	
		eL	8	...	...	...	Repetition of preceding shock.
	E	M	10 16	24	−8	...	32° N., 15·5° E.
		F	19 35	...	...	...	(Strasbourg.)
19	ZNE	eP	20 36 59	...	...	2360	Further repetition
	NE	iS	40 53	...	...	...	32° N., 15·5° E.
	Z	i	41 0	...	...	...	(Strasbourg.)
	ZNE	eL	42	...	...	...	
	N	M	44 11	24	−25	...	
	E	M	44 26	22	+29	...	
		F	21 50	...	...	...	
20	ZNE	iP	5 16 8	...	...	2510	Dilatation. Further
	NE	eS	20 14	...	...	...	repetition.
	Z	i	20 18	...	...	...	32° N., 16·5° E.
	E	i	20 22	...	...	...	(Strasbourg.)
	N	i	20 25	...	...	...	
	ZNE	eL	21	...	...	...	
	N	M	23 33	25	−68	...	
	E	M	23 48	20	+63	...	
	N	M	26 29	15	+52	...	

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
April			h. m. s.	s.	μ	km.	
20	Z	M	29 3	11	−42	...	
cont.		F	7 30	...	...	...	
20/21	Z	eP	22 14 52	...	...	10000	Destructive in north-
	NE	eSKS	25 24	...	...	...	ern Formosa.
	E	iS	25 50	...	...	...	25° N., 121° E.
	NE	eSS	31 32	...	...	...	(Strasbourg.)
	ZNE	eL	42	...	...	...	
	N	M	49 59	25	−95	...	
	N	M	51 50	18	+135	...	
	E	M	51 50	18	−69	...	
	E	M	54 38	18	+135	...	
	Z	M	55 44	16	−74	...	
		F	0 45	...	...	...	
21		e	8 27	...	...	...	
		F	9 0	...	...	...	
23	Z	iP	16 57 11	...	...	8130	Compression.
	NE	iS	17 6 37	...	...	...	Assam.
	NE	e	15 27	...	...	...	25·5° N., 93·5° E.
	ZNE	eL	22	...	...	...	(U.R.S.S.)
		F	50	...	...	...	
24	ZE	iP	16 4 36	...	...	(9000)	Compression.
	Z	ePP	7 32	...	...	...	Horizontal compo-
	ZNE	eL	41	...	...	...	nents disturbed by
	Z	M	49 17	16	+ 2	...	wind.
		F	17 10	...	...	...	South-east of Maldive
							Islands.
							0·5° N., 75° E.
							(Bombay.)
24	Z	iP	19 3 51	...	...	8830	
	NE	eS	13 53	...	...	...	
	ZNE	eL	30	...	...	...	
		F	55	...	...	...	
27	ZE	eP	19 9 16	...	...	2550	Felt in the Azores.
	E	eS	13 25	...	...	...	37° 41′ N., 25° 21′ W.
	ZNE	eL	15	...	...	...	(Strasbourg.)
		F	50	...	...	...	
May							
1	Z	eP	10 31 6	...	...	3430	Kurdistan.
	ZE	iPP	32 28	...	...	...	38° N., 43° E.
	NE	iS	36 19	...	...	...	(Strasbourg.)
	ZNE	eL	38	...	...	...	
	N	M	44 33	18	−17	...	
		F	12 10	...	...	...	
2		e	8 29	...	...	...	Very small.
		F	35	...	...	...	
4/5	NE	eL	23 48	...	...	...	East of Formosa.
	Z	eL	51	...	...	...	24° N., 123° E.
	N	M	59 27	17	+ 5	...	(U.R.S.S.)
		F	0 25	...	...	...	
7	NE	eL	6 46	...	...	...	Between Mindanao
	N	M	54 0	29	− 7	...	and Pelew Island.
	Z	eL	55	...	...	...	8° N., 131° E.
		F	7 30	...	...	...	(Peichiko.)
9		e	5 41	...	...	...	Very Small.
		F	50	...	...	...	
10		e	17 50	...	...	...	Bay of Bengal.
		F	18 5	...	...	...	20° N., 89° E.
							(Peichiko.)
12		e	5 48	...	...	...	Pamir. 38° N., 74° E.
		F	6 15	...	...	...	(U.R.S.S.)
12		e	13 0	...	...	...	Very small.
		F	10	...	...	...	
12		e	20 55	...	...	...	Very small.
		F	21 20	...	...	...	
13	ZE	eP	20 5 58	...	...	9070	Northern Laos.
	NE	eS	16 12	...	...	...	20° N., 101° E.
	NE	eL	25	...	...	...	(Peichiko.)
	Z	eL	34	...	...	...	
	N	M	39 1	26	+19	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
May			h. m. s.	s.	μ	km.	
13	E	M	39 26	23	− 9	...	
cont.		F	21 40	...	...	...	
14		e	1 5	...	...	...	Very small.
		F	45	...	...	...	
14/15	Z	e(PP)	23 42 41	...	...	(12500)	Horizontal compo-
	E	eS	49 59	...	...	...	nents disturbed by
	Z	iPS	51 49	...	...	...	wind.
	N	iPPS	52 33	...	...	...	East of Sandwich
	Z	i	52 56	...	...	...	Islands.
	E	eSS	57 48	...	...	...	58° S. 25° W.,
	Z	e	58 39	...	...	...	(J.S.A.)
	N	i	58 41	...	...	...	
	N	i	0 3 11	...	...	...	
	ZNE	eL	9	...	...	...	
	Z	M	22 35	21	+26	...	
	N	M	22 51	26	+40	...	
		F	— — —	...	...	...	Overlapped by next
							shock.
15	Z	eP	2 11 7	...	...	(6550)	Horizontal compo-
	N	e(S)	19 13	...	...	...	nents disturbed by
	N	e	22 8	...	...	...	wind.
	ZNE	eL	33	...	...	...	Baluchistan.
	N	M	35 35	20	−17	...	29° N., 67° E.
	Z	M	42 3	15	−12	...	(U.R.S.S.)
		F	3 35	...	...	...	
16	ZNE	eL	17 52	...	...	...	Afghanistan.
		F	18 15	...	...	...	36·5° N., 67·5°E.
							(U.R.S.S.)
16	Z	e	21 1 10	...	...	...	
	NE	eL	50	...	...	...	
	Z	eL	55	...	...	...	
	N	M	22 20 40	13	+ 3	...	
		F	23 10	...	...	...	
18	Z	e	21 51 32	...	...	...	
	NE	eL	22 50	...	...	...	
	Z	eL	56	...	...	...	
		F	23 10	...	...	...	
20	NE	eL	6 16	...	...	...	Sea of Celebes.
	Z	eL	25	...	...	...	2·5° N., 124° E.
	N	M	31 58	20	+ 3	...	(U.R.S.S.)
		F	55	...	...	...	
20		e	18 30	...	...	...	Very small.
		F	40	...	...	...	
21	Z	iP	4 33 21	...	...	...	Very small.
	ZNE	eL	54	...	...	...	China.
		F	5 15	...	...	...	34° N., 96·5° E.
							(U.R.S.S.)
21	Z	ePP	7 12 42	...	...	...	Northern Queensland.
	ZNE	eL	53	...	...	...	14° S., 143° E.
	Z	M	8 9 35	20	+ 7	...	(U.R.S.S.)
	N	M	9 39	21	− 7	...	
		F	9 30	...	...	...	
21		e	12 55	...	...	...	Very small.
		F	13 5	...	...	...	
21		e	14 12	...	...	...	
		F	30	...	...	...	
22		e	8 57	...	...	...	
		F	9 10	...	...	...	
22		e	10 28	...	...	...	
		F	35	...	...	...	
23	Z	iP	18 7 13	...	...	...	Horizontal comp-
	ZNE	eL	19	...	...	...	nents disturbed by
	Z	M	21 9	20	+11	...	wind.
		F	19 5	...	...	...	Atlantic Ocean.
							21° N., 45° W.
							(U.R.S.S.)
24	Z	eP	5 50 31	...	...	(11000)	Philippine Islands.
	Z	ePP	54 42	...	...	...	13° N., 125° E.
	N	i	55 17	...	...	...	(J.S.A.)
	NE	eSKS	6 1 2	...	...	...	
	NE	eL	23	...	...	...	
	N	M	27 10	41	−63	...	

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
May			h. m. s.	s.	μ	km.	
24	E	M	27 34	40	−43	...	
cont.	Z	eL	33	...	...	...	
	N	M	41 48	17	−31	...	
	Z	M	41 53	15	+34	...	
		F	9 30	...	...	...	
25*	Z	ePS	0 35 5	...	...	...	11° N., 125° E.
	ZNE	eL	57	...	...	...	(U.R.S.S.)
	Z	M	1 12 6	18	+ 7	...	
		F	2 10	...	...	...	
26*	Z	e(PS)	22 31	...	...	...	15·5° N., 132° E.
	NE	eL	57	...	...	...	(U.R.S.S.)
	Z	eL	23 2	...	...	...	
	N	M	8 48	20	− 7	...	
	Z	M	12 0	16	+ 7	...	
		F	0 0	...	...	...	
27	Z	e	3 36	...	...	...	Pacific Ocean.
	ZNE	eL	4 32	...	...	...	22° N., 150° E.
		F	5 35	...	...	...	(U.R.S.S.)
28		e	17 42	...	...	...	
		F	18 15	...	...	...	
29		e	20 33	...	...	...	
		F	21 0	...	...	...	
30/31	Z	iP	21 42 14	...	...	6010	Dilatation. E, e.
	ZE	i	42 19	...	...	...	Azimuth about east.
	Z	iPPP	45 21	...	...	...	Destructive at Quetta.
	NE	iS	49 51	...	...	...	30·2° N., 66·9° E.
	Z	iSP	50 5	...	...	...	(J.S.A.)
	N	iPS	50 13	...	...	...	
	E	i	50 22	...	...	...	
	E	iSS	53 49	...	...	...	
	Z	i	54 35	...	...	...	
	N	iSSS	54 46	...	...	...	
	Z	i	57 11	...	...	...	
	ZNE	L	59	...	...	...	
	E	M	22 6–15	(20)	>350	...	
	N	M	12–14	(17)	>300	...	
	Z	M	12–14	(17)	>450	...	
		F	— — —	...	...	...	Overlapped by next shock.
31‡	N	eL	2 32	...	...	...	
	ZE	eL	36	...	...	...	
	N	M	37 23	21	− 8	...	
		F	3 0	...	...	...	
31		e	13 28	...	...	...	
		F	50	...	...	...	
31‡		e	17 44	...	...	...	
		F	18 0	...	...	...	
June							
1‡		e	4 52	...	...	...	30° N., 66° E.
		F	5 20	...	...	...	(U.R.S.S.)
2‡	ZNE	iP	9 25 47	...	...	5890	31° N., 67° E.
	E	eS	33 17	...	...	...	(Strasbourg.)
	NE	e	43 38	...	...	...	
	ZNE	eL	46	...	...	...	
	N	M	49 45	19	+14	...	
	E	M	54 26	16	− 7	...	
	Z	M	54 38	15	− 9	...	
		F	11 5	...	...	...	
5	E	e	11 53 15	...	...	...	Apennines.
		F	12 0	...	...	...	44° 15′ N., 12° E. (Strasbourg.)
6		e	12 52	...	...	...	Very small.
		F	14 30	...	...	...	
8		e	1 25	...	...	...	Confused by wind and
		F	35	...	...	...	microseisms.
11		e	22 28	...	...	...	
		F	23 0	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
June			h. m. s.	s.	μ	km.	
16		eL	7 17	...	...	...	
		F	40	...	...	...	
18/19		e(S)	22 53	...	...	...	East of Philippine
		eL	23 22	...	...	...	Islands.
		F	0 5	...	...	...	14° N., 129° E. (U.R.S.S.)
19/20		eL	23 24	...	...	...	Solomon Islands.
		F	0 20	...	...	...	9° S., 162° E. (U.R.S.S.)
22		e	16 33	...	...	...	Celebes.
		F	17 55	...	...	...	6° S., 120° E. (U.R.S.S.)
24/25	ZN	iPKP	23 42 30	...	...	(15500)	Compression.
	Z	ipPKP	43 6	...	...	...	New Hebrides.
	ZN	PP	45 46	...	...	...	15° S., 167° E. with
	NE	isS	0 4 25	...	...	...	focal depth 140 km.
	NE	L	29	...	...	...	(J.S.A.)
	Z	L	36	...	...	...	
	N	M	40 52	28	−25	...	
		F	3 0	...	...	...	
25	Z	eP	12 45 (48)	...	...	...	Pacific Ocean, east of
		L	13 15	...	...	...	Japan 41° N., 151° E.
		F	14 10	...	...	...	(Peichiko.)
27			— — —	...	...	...	No records, 9h 40m to 17h 52m.
28	Z	e	2 19 22	...	...	...	Pacific Ocean west of
		L	58	...	...	...	Chile.
		F	3 40	...	...	...	34·5° S., 82·5° W. (U.R.S.S.)
28	N	e	9 13 18	...	...	...	Very small. Phases
	N	i	13 28	...	...	...	from record of experi-
	N	i	14 4	...	...	...	mental Wood-Ander-
		F	15	...	...	...	son seismograph. Felt in Southern Germany.
29	ZNE	iP	7 1 25	...	...	9560	Compression. Ampli-
	NE	eSKS	11 47	...	...	...	tudes of iP as read in
	NE	iS	12 2	...	...	...	mm.
	NE	eSS	17 56	...	...	...	N E Z
		L	29	...	...	...	−0·3 +1·0 +3·0
	E	M	38 56	16	+91	...	giving azimuth about
	Z	M	39 6	16	−94	...	287°. Acapulco Deep.
	N	M	39 11	16	−39	...	18° N., 103° W.
		F	9 30	...	...	...	(J.S.A.)
July							
5	Z	iP	18 1 31	...	...	5470	Compression.
	Z	ePP	3 32	...	...	...	Bokhara, near
	N	eS	8 39	...	...	...	39° N., 67·5° E.
	E	eSS	12 11	...	...	...	(Strasbourg.)
	N	L	17·5	...	...	...	
	Z	L	21·3	...	...	...	
	Z	M	25 18	15	+27	...	
	N	M	25 22	17	+22	...	
	E	M	25 23	18	+27	...	
		F	19 20	...	...	...	
6		eL	4 9	...	...	...	
		F	15	...	...	...	
6		eL	22 58	...	...	...	
		F	23 10	...	...	...	
7	Z	eP	13 36 25	...	...	(10700)	Felt in N.W. Luzon.
	NE	eSKS	47 6	...	...	...	18° 20′ N., 126° 10′ E.
	NE	L	14 10	...	...	...	(Manila.)
	E	M	23 0	15	+10	...	
		F	15 0	...	...	...	
9		eL	7 30	...	...	...	
		F	8 0	...	...	...	
9	Z	e	12 39 11	...	...	...	South China Sea.
	NE	e	45 55	...	...	...	(Peichiko.)
	NE	L	13 11	...	...	...	
		F	14 15	...	...	...	

* Repetitions from the shock at 24d. 5h.

‡ Repetitions from the shock at 30d. 21h.

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
July			h. m. s.	s.	μ	km.	
11		eL	9 7	...	...	...	Japan. 35° N., 140° E.
		F	45	...	...	...	(U.R.S.S.)
11		eL	14 23	...	...	...	
		F	45	...	...	...	
12		eL	2 12	...	...	...	
		F	40	...	...	...	
15	Z	i	14 32 21	...	...	...	Deep focus type.
	Z	e	34 39	...	...	...	
		F	40	...	...	...	
15		eL	18 42	...	...	...	
		F	55	...	...	...	
16	Z	iP	16 31 52	...	...	9790	Compression.
	E	eS	42 41	...	...	...	Destructive in
	NE	L	17 4	...	...	...	Formosa.
	E	M	11 33	19	+21	...	24·6° N., 120·9° E.
		F	18 0	...	...	...	(Tokyo.)
17		eL	0 12	...	...	...	
		F	25	...	...	...	
17		eL	1 4	...	...	...	Pacific Ocean south of
		F	40	...	...	...	Aleutian Islands.
							47° N., 177° W.
							(U.R.S.S.)
17	Z	eP	4 41±	...	...	(6000)	Atlantic Ocean, near
	NE	eS	48 41	...	...	...	0°, 15° W.
	NE	L	57	...	...	...	(Strasbourg.)
		F	5 50	...	...	...	
17	Z	e(PKP)	11 5 30	...	...	...	Horizontal compo-
	N	e	14 50	...	...	...	nents disturbed by
	NE	L	38	...	...	...	wind.
	N	M	47	...	...	...	Atlantic Ocean south
		F	13 40	...	...	...	of South Georgia.
							58° S., 37° W.
							(U.R.S.S.)
19	Z	eP	1 2 28	...	...	9570	Felt at Tokyo.
	ZNE	iP	2 34	...	...	...	36° 5′ N., 143° E.
	Z	ePP	5 55	...	...	...	(Tokyo.)
	E	eSKS	12 55	...	...	...	
	N	eS	13 6	...	...	...	
	E	iS	13 9	...	...	...	
	N	ePS	14 8	...	...	...	
	N	eSS	19·3	...	...	...	
	NE	L	28	...	...	...	
	Z	L	34	...	...	...	
	E	M	35 4	30	+50	...	
	Z	M	44 38	18	+45	...	
	N	M	44 56	18	−44	...	
		F	3 40	...	...	...	
23		eL	4 26	...	...	...	Indian Ocean.
		F	5 10	...	...	...	1° S., 70° E.
							(U.R.S.S.)
26	Z	eP	4 55 33	...	...	8630	Very small.
	NE	eS	5 5 (25)	...	...	...	
	N	L	17	...	...	...	
		F	50	...	...	...	
26	Z	e	11 1	...	...	...	China.
	NE	L	6	...	...	...	36° N., 105° E.
		F	12 5	...	...	...	(U.R.S.S.)
29	Z	i[PKP]$_1$	7 57 44	...	...	(17000)	South-west of Tonga
	Z	i	57 49	...	...	...	Islands.
	E	i[PKP]$_2$	57 56	...	...	...	23° S., 178° W. with
	Z	ip[PKP]$_2$	59 42	...	...	...	focal depth 490 km.
	ZNE	eS[PKP]$_2$	8 0 38	...	...	...	(J.S.A.)
	Z	iPP	1 29	...	...	...	Long waves indefinite.
	N	e	8 11 0	...	...	...	
		F	10 44	...	...	...	
29/30	NE	L	23 45	...	...	...	Pamir.
	Z	L	49	...	...	...	38° 46′ N., 72° 16′ E.
		F	0 0	...	...	...	(Tashkent.)

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
July			h. m. s.	s.	μ	km.	
30	NE	L	6 38	...	...	...	
	Z	L	53	...	...	...	
		F	7 20	...	...	...	
31		e	10 30	...	...	...	Very small.
		F	35	...	...	...	Afghanistan.
							37° N., 70° E.
							(U.R.S.S.)
Aug. 1	Z	eP	14 20 28	...	...	(11300)	Confused by
	Z	ePP	24 40	...	...	...	microseisms.
	Z	eSP	33 37	...	...	...	Philippine Deep.
	ZNE	L	15 0	...	...	...	10·5° N., 126·4° E.
		F	45	...	...	...	(Manila.)
1	Z	eP	16 20 25	...	...	8700	Near Pacific Coast of
	E	eS	30 20	...	...	...	Costa Rica.
	N	L	42	...	...	...	10° N., 86° W.
	E	M	54	...	...	...	(U.S.C.G.S.)
		F	17 45	...	...	...	
3*	NE	eP	1 23 8	...	...	9710	Near northern
	E	iSKS	33 37	...	...	...	Sumatra.
	N	eS	33 53	...	...	...	5° N., 97° E.
	NE	iS$_c$S	34 3	...	...	...	(J.S.A.)
	N	ePS	34 37	...	...	...	
	N	L	52	...	...	...	
	N	M	2 1 11	25	+81	...	
	E	M	8 46	20	+82	...	
		F	5 20	...	...	...	
3*	NE	e(S)	5 40 22	...	...	...	Mediterranean Sea.
		L	44·4	...	...	...	35° N., 20° E.
		F	6 10	...	...	...	(U.R.S.S.)
3*	NE	eL	12 39	...	...	...	Pacific Ocean east of
		F	13 25	...	...	...	Philippine Islands.
							13° N., 128° E.
							(U.R.S.S.)
3*	NE	eL	13 57	...	...	...	
		F	14 10	...	...	...	
4*	E	e	2 47 7	...	...	...	
	NE	L	3 10	...	...	...	
		F	30	...	...	...	
6*	NE	eL	0 39	...	...	...	
		F	1 50	...	...	...	
7*	NE	eL	9 43	...	...	...	Southern Colombia.
		F	10 5	...	...	...	1° N., 77° W. (J.S.A.)
10		eL	18 25	...	...	...	
		F	19 0	...	...	...	
17	Z	ePKP	2 4 23	...	...	(16500)	New Hebrides.
	ZN	ePP	8 7	...	...	...	20° S., 171° E., with
	Z	iPPP	11 34	...	...	...	focal depth 120 km.
	ZN	eSKSP	18 23	...	...	...	(J.S.A.)
	E	eSS	27 26	...	...	...	
	E	eSSS	33 15	...	...	...	
	E	L	48	...	...	...	
	N	L	53	...	...	...	
	Z	M	3 9 45	20	−56	...	
	N	M	10 10	21	−50	...	
	E	M	10 27	23	+43	...	
		F	5 45	...	...	...	
17		eL	21 20	...	...	...	South China Sea
		F	35	...	...	...	17·0 N., 117·5° E.
							(U.R.S.S.)
20	ZNE	e	9 3 53	...	...	...	Very small. Probably
	NE	L	7 30	...	...	...	Asia Minor.
		F	20	...	...	...	(Strasbourg.)
21	Z	e	14 8 7	...	...	...	Very distant.
	Z	L	15 4	...	...	...	Horizontal compo-
	Z	F	16 25	...	...	...	nents disturbed by
							wind.
22†		L	20 48	...	...	...	Baffin Bay.
		F	21 25	...	...	...	73° N., 66° W.
							(J.S.A.)

* No Z component record.

† Earlier phases masked by microseisms.

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
			h. m. s.	s.	μ	km.	
Aug. 23†		eL	14 53	...	...	...	Sumatra.
		F	16 10	...	...	...	4° S., 101° E.
							(U.R.S.S.)
25	Z	eP	5 14±	...	...	...	Barents Sea.
		L	20	...	...	...	74° N., 36° E.
		F	6 15	...	...	...	(Strasbourg.)
25		eL	21 16	...	...	...	
		F	22 0	...	...	...	
26		eL	17 18	...	...	...	Near Formosa.
		F	18 5	...	...	...	27° N., 120° E.
							(Vladivostok.)
27		eL	6 9	...	...	...	China.
		F	25	...	...	...	28·5° N., 117·5° E.
							(Vladivostok.)
29	Z	e	11 24	...	...	...	
		F	35	...	...	...	
31		eL	18 24	...	...	...	Pacific Ocean south of
		F	9 20	...	...	...	Kurile Islands.
							43° N., 150° E.
							(U.R.S.S.)
Sept. 2		eL	8 25	...	...	...	New Ireland.
		F	40	...	...	...	2·7° S., 152·2° E.
							(U.R.S.S.)
3		eL	11 48	...	...	...	
		F	12 5	...	...	...	
3	Z	eP	17 39 52	...	...	2250	Small.
	Z	eS	43 36	...	...	...	Felt around Janina,
	N	e	47	...	...	...	Greece.
		F	18 0	...	...	...	
4	Z	eP	1 38 10	...	...	7050	Alaska.
	E	eS	46 42	...	...	...	63° N., 151° W.
		F	— — —	...	...	...	(J.S.A.)
							Overlapped by next shock.
4	ZE	eP	1 50 42	...	...	9860	Azimuth about east.
	ZE	iP	50 44	...	...	...	Pacific Ocean east of
	Z	iPP	54 22	...	...	...	Formosa.
	NE	iSKS	2 1 9	...	...	...	22·5° N., 121·5° E.
	NE	iS	1 34	...	...	...	(Taihoku.)
	Z	iPS	2 39	...	...	...	
	NE	L	20	...	...	...	
	N	M	36 14	18	+110	...	
	E	M	36 15	16	+100	...	
	Z	M	36 18	15	−125	...	
	NE	L	4 14	...	...	...	Via antipodes.
		F	5 10	...	...	...	
9	Z	iPP	6 37 10	...	...	(12500)	South-west of Caroline
	NE	e	7 4 13	...	...	...	Islands.
	NE	L	7	...	...	...	6° N., 139° E. with
	N	M	17 33	24	+54	...	focal depth 160 km.
	E	M	18 18	23	−56	...	(J.S.A.)
	Z	M	28 4	19	−17	...	
		F	9 10	...	...	...	
11		eL	13 10	...	...	...	
		F	14 5	...	...	...	
11	ZNE	iP	14 16 16	...	...	8960	Amplitudes of iP as
	NE	iPP	19 22	...	...	...	read in mm.
	N	ePPP	21 44	...	...	...	N E Z
	ZNE	iS	26 24	...	...	...	−4·7 −1·8 +14·2
	Z	i	27 13	...	...	...	Azimuth 23°, giving
	N	eSS	32 48	...	...	...	epicentre—43° N.,
	NE	L	40·1	...	...	...	146° E.; near North-
	Z	L	46	...	...	...	ern Japan.
	Z	M	50 30	27	+250	...	44·5° N., 147·0° E.
	N	M	50 39	26	+290	...	with focal depth 60
	E	M	55 42	20	+175	...	km. (J.S.A.)
		F	18 30	...	...	...	
14		eL	21 32	...	...	...	
		F	40	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
			h. m. s.	s.	μ	km.	
Sept. 15		eL	4 30	...	...	...	
		F	40	...	...	...	
15		eL	12 19	...	...	...	New Guinea.
		F	13 25	...	...	...	10° S., 146° E.
							(U.R.S.S.)
15		eL	15 8	...	...	...	West of Easter Island.
		F	17 0	...	...	...	29° S., 114° W.
							(U.S.C.G.S.)
18	Z	iP	5 9 34	...	...	9010	Gulf of Panama.
	N	eS	19 45	...	...	...	7° N., 78° W.
	E	L	36	...	...	...	(J.S.A.)
		F	6 10	...	...	...	
18		eL	9 7	...	...	...	Japan.
		F	30	...	...	...	42° N., 143° E.
							(U.R.S.S.)
18		eL	20 57	...	...	...	Confused by wind and microseisms.
		F	21 10	...	...	...	
19		eL	3 34	...	...	...	
		F	4 15	...	...	...	
20	Z	ePKP	2 5 54	...	...	(13500)	Confused by micro-
	ZN	ePP	7 35	...	...	...	seisms.
	E	iPP	7 42	...	...	...	Azimuth about NE.
	Z	i	8 13	...	...	...	Epicentre from Kew
	NE	iSKS	14 33	..	...	...	and Bombay about
	NE	ePKKP	15 29	...	...	...	4° S., 144° E. New
	ZNE	iPS	17 29	...	...	...	Guinea.
	NE	ePKKS	19 16	...	...	...	4° S., 141° E.
	NE	iSS	24 24	...	...	...	(J.S.A.)
	E	e	33 49	...	...	...	
	NE	e	37·1	...	...	...	
	NE	L	39·6	...	...	...	
	Z	L	52·7	...	...	...	
	N	M	49 51	30	+480*	...	*By extrapolation.
	E	M	50 6	27	+500*	...	
	Z	M	3 2 48	20	−200	...	
		F	5 40	...	...	...	
20‡	ZE	ePP	5 43 47	...	...	(13500)	4° S., 141° E.
	Z	ePPP	46 23	...	...	...	(J.S.A.)
	E	eSKKS	50 44	...	...	...	
	NE	iPS	53 42	...	...	...	
	E	e	53 47	...	...	...	
	Z	ePKKS	55 28	...	...	...	
	NE	eSS	6 0 31	...	...	...	
	E	eSSS	6 18	...	...	...	
	NE	e	14 7	...	...	...	
	NE	L	17·3	...	...	...	
	Z	L	26	...	...	...	
	E	M	31 2	19	−49	...	
	N	M	31 27	21	+64	...	
	Z	M	39 41	18	+52	...	
		F	8 20	...	...	...	
20‡	E	ePS	21 34·7	...	...	...	No N record.
	ZE	L	22 6	...	...	...	
		F	23 15	...	...	...	
23‡	Z	(eP)	9 33 (52)	...	...	(13500)	Confused by micro-
	Z	ePKP	37 14	...	...	...	seisms.
	Z	PP	38 56	...	...	...	4° S., 141° E. (J.S.A.)
	Z	PPP	41 32	...	...	...	
	NE	eSKKS	45 54	...	...	...	
	NE	ePS	48 52	...	...	...	
	Z	e	50 14	...	...	...	
	NE	e	10 9 26	...	...	...	
	NE	L	12	...	...	...	
	Z	L	15	...	...	...	
	Z	M	33 25	22	−22	...	
		F	12 10	...	...	...	
24‡		eL	6 10	...	...	...	
		F	35	...	...	...	
24	Z	eP	22 23 41	...	...	7780	Dilatation.
	N	eS	32 50	...	...	...	Pacific Ocean off Van-
	E	L	45	...	...	...	couver
		M	55	...	...	...	50° N. 130° W.
		F	23 55	...	...	...	(U.S.C.G.S.)

† Earlier phases marked by microseisms.

‡ Repetition of the New Guinea shock at 20d. 2h.

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
Sept.			h. m. s.	s.	μ	km.	
25‡	Z	e(PP)	10 40 20	...	...	...	2° S., 145° E.
	Z	e(PPP)	42 56	...	...	...	(Manila.)
	NE	L	11 19	...	...	...	
	Z	L	25	...	...	...	
		M	34	...	...	...	
		F	12 15	...	...	...	
26/27		eL	23 45	...	...	...	
		F	0 25	...	...	...	
28†	N	iP	16 19 53	...	...	660	Readings from record
	N	iPg	20 24	...	...	...	of experimental Wood-
	N	iS	21 0	...	...	...	Anderson seismo-
	N	iS*	21 24	...	...	...	graph.
		F	26	...	...	...	Felt around Bordeaux.
29		eL	6 34	...	...	...	
		F	7 20	...	...	...	
Oct. 1		eL	11 45	...	...	...	
		F	12 0	...	...	...	
2	ZN	iP	5 45 11	...	...	9100	Dilatation.
	Z	ipP	45 25	...	...	...	Amplitudes of iP as
	NE	iS	55 17	...	...	...	read in mm.
	N††	isS	55 51	...	...	...	N E Z
	N	L	6 11·4	...	...	...	−1·3 (0·0) +4·5
	Z	L	19	...	...	...	Azimuth about north.
	N	M	19 34	27	+34	...	Near Northern Japan.
		F	50	...	...	...	44° N., 147° E. with
							focal depth 80 km.
							(J.S.A.)
							†† Wood-Anderson
							record.
6	Z	e	4 46	...	...	...	
		L	6 3	...	...	...	
		F	25	...	...	...	
6		eL	15 23	...	...	...	
		F	35	...	...	...	
7		eL	5 39	...	...	...	
		F	6 30	...	...	...	
8	Z	(e)	9 39 21	...	...	...	Earlier Phases lost
	N	L	42	...	...	...	during change of
	N	M	47 16	25	+56	...	charts. Bokhara.
		F	10 40	...	...	...	37·5° N., 67° E.
							(U.R.S.S.)
9	ZE	eP	22 12 42	...	...	1980	Dilatation. Felt in
	ZE	iS	16 3	...	...	...	S.W. Iceland.
	NZ	L	17·0	...	...	...	62·5° N., 22·5° W.
	Z	M	19 27	12	−21	...	(Strasbourg.)
		F	23 10	...	...	...	
10		eL	21 12	...	...	...	Pacific Ocean.
		F	20	...	...	...	17·0° N., 131·5° E.
							(U.R.S.S.)
11/12	Z	ePP	22 36 46	...	...	(13000)	Bismarck Archipelago.
	E	ePS	46 39	...	...	...	1° N., 145° E.
	NE	L	23 12	...	...	...	(Manila.)
	Z	L	18	...	...	...	
	Z	M	30 51	19	+21	...	
		F	1 0	...	...	...	
12	Z	eP	16 57 53	...	...	9560	Pacific Ocean off Japan
	Z	iP	57 55	...	...	...	41° N., 147° E.
	Z	iPP	17 1 8	...	...	...	(Strasbourg.)
	Z	i	1 30	...	...	...	
	E	eSKS	8 11	...	...	...	Small.
	NE	iS	8 31	...	...	...	Large.
	N	ePS	9 18	...	...	...	
	E	iSS	13 49	...	...	...	
	E	eSSS	17 7	...	...	...	
	NE	L	24	...	...	...	
	Z	L	27·2	...	...	...	
	N	M	34 40	21	+120	...	
	E	M	35 10	20	+130	...	
	Z	M	36 29	23	−120	...	
		L	19 0	...	...	...	Via antipodes.
		F	50	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
Oct.			h. m. s.	s.	μ	km.	
13		eL	2 41	...	...	...	Japan.
		F	3 25	...	...	...	41° N., 146° E.
							(U.R.S.S.)
13		eL	19 51	...	...	...	Asia Minor.
		F	20 0	...	...	...	38·0° N., 41·5° E.
							(U.R.S.S.)
14		eL	10 36	...	...	...	
		F	50	...	...	...	
14		eL	20 47	...	...	...	
		F	21 0	...	...	...	
18	Z	iP	0 24 32	...	...	9430	Compression. Near
	Z	iPP	27 44	...	...	...	Northern Japan.
	E	eSKS	34 54	...	...	...	44° N., 147° E., with
	E	iS	35 4	...	...	...	focal depth 80 Km.
	E	iPS	35 30	...	...	...	(J.S.A.)
	NE	iSS	40 22	...	...	...	
	E	eSSS	43 41	...	...	...	
	NE	L	50	...	...	...	
	Z	L	56·5	...	...	...	
	N	M	1 0 8	20	−105	...	
	E	M	0 8	20	+140	...	
	Z	M	5 29	19	+67	...	
		F	3 10	...	...	...	
18	NEZ	iPP	11 24 15	...	...	(12100)	Near Guam.
	N	eSKS	30 38	...	...	...	13° N., 143° E.
	Z	e(S)	32 43	...	...	...	(J.S.A.)
	NE	ePS	33 48	...	...	...	
	NE	iSS	39 30	...	...	...	
	E	L	55	...	...	...	
	Z	L	12 0	...	...	...	
	E	M	10 24	19	+20	...	
		F	13 35	...	...	...	
18	Z	eP	15 6 21	...	...	9430	Japan. Repetition of
	NE	eSKS	16 44	...	...	...	the shock at 18d 0h.
	E	iS	16 53	...	...	...	
	E	L	34	...	...	...	
	Z	L	41	...	...	...	
	E	M	42 21	20	+34	...	
		F	16 40	...	...	...	
22	N	e	7 42 10	...	...	...	Very small.
	Z	L	8 22	...	...	...	
		F	9 20	...	...	...	
23		eL	14 8	...	...	...	
		F	15	...	...	...	
25		eL	1 14	...	...	...	Polynesia.
		F	2 0	...	...	...	17·5° S., 165·0° W.
							(U.R.S.S.)
31	Z	eL	19 12	...	...	...	Horizontal components disturbed by
		F	30	...	...	...	wind. Montana.
							47° N., 112° W.
							(J.S.A.)
Nov. 1	Z	iP	6 12 27	...	...	5590	Dilatation.
	E	eS	19 41	...	...	...	Felt in Eastern
	E	iSS	23 19	...	...	...	Canada and U.S.A.
	N	eL	25	...	...	...	46° 47′ N., 79° 04′ W.
	EZ	iL	27 31	...	...	...	(Ottawa.)
	E	M	31 8	18	−37	...	
	Z	M	31 21	18	+39	...	
		F	7 15	...	...	...	
1	Z	e	16 36	...	...	...	Tong-King.
	NE	eS	44 42	...	...	...	21° N., 103° E.
	E	eSSS	53 46	...	...	...	(Manila.)
	NE	L	17 2	...	...	...	
	Z	L	9	...	...	...	
	N	M	9 52	19	−39	...	
		F	18 5	...	...	...	
5		eL	21 48	...	...	...	Celebes.
		F	22 25	...	...	...	0·5° S., 120·5° E.
							(U.R.S.S.)

‡ Repetition of New Guinea shock at 20d. 2h. † The notation used for near earthquakes is that of Jeffreys :—" The Earth," 2nd Edition, Cambridge University Press, 1929, p.100. London, Mon. Not. R. Astr. Soc., Geophys. Supp., 1, No. 8, 1926.

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
			h. m. s.	s.	μ	km.	
Nov. 7	Z	eP	4 41 39	...	...	1990	Albania.
	E	eS	45 1	...	...	...	40·5° N., 20·5° E.
	N	L	46·2	...	...	...	(Strasbourg.)
	N	M	47 35	15	−9	...	
		F	5 0	...	...	...	
10	ZNE	e	18 46	...	...	...	North of Leeward
	N	LQ	52 53	...	...	...	Islands.
	ZE	LR	55 41	...	...	...	19° N., 63° W.
	E	M	55 44	33	−14	...	(J.S.A.)
		F	19 50	...	...	...	
11		eL	14 20	...	...	...	South of Fiji Islands.
		F	15 0	...	...	...	21° S., 176° E.
							(U.R.S.S.)
14		eL	20 56	...	...	...	Confused by wind disturbance. North of
		F	21 30	...	...	...	Solomon Islands.
							5° S., 161° E.
							(U.R.S.S.)
16		eL	0 28	...	...	...	Atlantic Ocean.
		F	45		...	...	2·5° N., 34° W.
							(U.R.S.S.)
16		eL	6 50	...	...	...	East of Philippine
		F	7 5	...	...	...	Islands.
							15° N., 130° E.
							(U.R.S.S.)
23		eL	8 33	...	...	...	Pacific Ocean, west of
		F	45	...	...	...	Ecuador.
							0°., 85° W. (J.S.A.)
25	Z	iP	10 15 55	...	...	9640	Dilatation.
	Z	iPP	19 26	...	...	...	South of Andaman
	E	eSKS	26 21	...	...	...	Islands.
	N	iS	26 35	...	...	...	10° N., 92° E.
	NE	L	46	...	...	...	(Strasbourg.)
	Z	L	54	...	...	...	
	N	M	11 3 24	18	+12	...	
		F	12 0	...	...	...	
28	Z	e	13 17	...	...	...	
		F	20	...	...	...	
30	Z	eP	3 51 36	...	...	8390	Confused by micro-
	E	eS	4 1 16	...	...	...	seisms.
	E	ePS	1 38	...	...	...	Caribbean Sea north
	E	L	18·5	...	...	...	of Panama.
	E	M	21 1	20	−16	...	10° N., 80° W.
		F	5 10	...	...	...	(U.S.G.G.S.)
Dec. 2	NE	eL	0 31	...	...	...	Confused by micro-
	Z	eL	35	...	...	...	seisms.
	N	M	36 9	17	−8	...	Probably in Riu-Kiu
		F	50	...	...	...	Islands. (Manila).
2	N	eL	17 33	...	...	...	No records of "Z"
	N	M	40 3	17	+7	...	and "E–W" com-
		F	55	...	...	...	ponents.
							Confused by micro-seisms.
							Near Riu-Kiu Islands.
							27·5° N., 127·5° E.
							(U.R.S.S.)
5	N	e	18 53 12	...	...	...	
	NE	eL	19 2	...	...	...	
	Z	eL	8	...	...	...	
	N	M	16 1	20	−6	...	
		F	20 5	...	...	...	
9	ZNE	eL	9 1	...	...	...	
	Z	M	5 33	19	−7	...	
		F	35	...	...	...	
14	Z	iP	1 42 47	...	...	9300	NE, e.
	Z	isP	45 2	...	...	...	
	Z	ePP	46 8	...	...	...	
	NE	iSKS	52 12	...	...	...	
	ZNE	iS	52 33	...	...	...	Large on "N–S"
	ZNE	eSP	53 28	...	...	...	component.
	ZNE	esSP	56 31	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
			h. m. s.	s.	μ	km.	
Dec. 14 cont.	E	eSS	57 51	...	...	...	Northern Peru.
	N	eSS	58 11	...	...	...	5·5° S., 73·3° W., with
	E	esSS	2 0 54	...	...	...	focal depth 350 km.
	N	iSSS	2 15	...	...	...	(J.S.A.)
	E	esSSS	5 15	...	...	...	Surface waves poorly
	N	iSSSS	5 31	...	...	...	developed.
		F	3 0	...	...	...	
14/15	ZE	iP	22 17 30	...	...	8890	Compression. N, e.
	Z	i	17 35	...	...	...	
	E	iS	27 35	...	...	...	
	ZNE	ePS	28 13	...	...	...	
	E	i	29 17	...	...	...	Large movements.
	E	i	29 38	...	...	...	
	E	iSS	33 12	...	...	...	
	E	eSSS	36 11	...	...	...	
	N	i	38 53	...	...	...	
	ZNE	eL	41	...	...	...	
	N	M	51 0	20	−75	...	Pacific Ocean off Cen-
	Z	M	54 38	17	+185	...	tral America.
	E	M	54 38	17	+185	...	14° N., 93° W.
		F	1 15	...	...	...	(U.S.C.G.S.)
15	ZNE	ePKP	7 27 11	...	...	(15000)	Felt in Solomon
	Z	iSKP	30 33	...	...	...	Islands.
	N	iSS	48 22	...	...	...	10° S., 163° E.
	E	iSSP	48 32	...	...	...	(Manila.)
	N	i	49 51	...	...	...	
	NE	iSSS	53 8	...	...	...	
	NE	eL	57	...	...	...	
	Z	eL	8 9	...	...	...	
	E	M	13 2	36	+185	...	
	E	M	17 15	28	−130	...	
	Z	M	22 30	25	−110	...	
	N	M	22 40	24	−155	...	
		F	11 5	...	...	...	
16	NE	i	17 18 32	...	...	...	Clearly shown by
		F	35	...	...	...	Wood-Anderson seismograph. Very small.
							No "Z" record.
17	Z	eP	19 30 46	...	...	10100	South of Riu-Kiu
	ZN	e	31 14	...	...	...	Islands.
	ZNE	ePP	34 35	...	...	...	22° N., 127° E.
	NE	sSKS	41 30	...	...	...	(Strasbourg.)
	ZN	eS	41 48	...	...	...	
	N	iSS	47 58	...	...	...	
	NE	L	58	...	...	...	
	N	M	20 3 37	39	−105	...	
	Z	L	4	...	...	...	
	E	M	5 37	31	−89	...	
	N	M	6 23	29	−91	...	
	Z	M	17 24	17	−52	...	
		F	22 5	...	...	...	
18	ZNE	e(SSS)	7 41	...	...	...	Southern China.
	NE	L	48	...	...	...	27° N., 103° E.
	N	M	51 5	28	+13	...	(Chiufeng.)
	E	M	51 34	30	−13	...	
	Z	L	53	...	...	...	
		F	8 35	...	...	...	
18		e	17 39	...	...	...	Repetition of preced-
		F	18 5	...	...	...	ing shock.
							28·5° N., 104·0° E.
							(U.R.S.S.)
20		e	0 55	...	...	...	
		F	1 5	...	...	...	
20	ZN	eSKP	18 59 1	...	...	(14500)	No "E–W" record.
	N	L	19 41	...	...	...	Solomon Islands.
	Z	L	46	...	...	...	9° S., 159° E.
	N	M	46 22	28	−10	...	(Manila.
	N	M	59 59	20	+8	...	
	Z	M	20 0 4	20	−8	...	
		F	21 10 0	...	...	...	
21	ZNE	eL	12 32	...	...	...	Pacific Ocean off Cen-
		F	13 0	...	...	...	tral America.
							14° N., 92° W.
							(J.S.A.)
23	ZNE	eL	15 30	...	...	...	Kurile Islands.
		F	45	...	...	...	49·0° N., 154·5° E.
							(U.R.S.S).

SEISMOLOGICAL DIARY—*continued.*

Galitzin Seismographs, three components.

546. KEW OBSERVATORY. Lat 51° 28′ 6″ N. Long 0° 18′ 47″ W. Height above M S.L. 5 metres. **1935.**

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
Dec.			h. m. s.	s.	μ	km.	
24	Z	eP	12 36 25	...	...	9200	Confused by micro-
	NE	eS	46 45	...	...	...	seisms.
	NE	L	58	...	...	...	
	Z	L	13 1	...	...	...	
	E	M	5 8	26	+8	...	
		F	14 5	...	...	...	
28	ZE	iP	2 48 56	...	...	10020	Amplitudes as read in
	ZNE	i	49 5	...	...	...	mm. :—
	ZNE	iPP	52 55	...	...	...	N. E. Z.
	ZE	iPPP	54 57	...	...	...	(0·0) −1·2 +1·7
	ZE	i	56 57	...	...	...	+1·3 +6·8 −12·7
	Z	i	58 28	...	...	...	Azimuth about 80°.
	E	iSKS	59 39	...	...	...	Indian Ocean off
	NE	iS	59 55	...	...	...	western Sumatra.
	N	i	3 0 3	...	...	...	0°, 98° E. (Batavia.)
	ZE	i	1 35	...	...	...	
	N	i	3 42	...	...	...	
	N	iSS	5 55	...	...	...	
	ZE	i	6 46	...	...	...	
	N	i	7 36	...	...	...	
	ZE	i	10 35	...	...	...	
	N	i	10 38	...	...	...	
	N	i(SSSS)	12 23	...	...	...	
	Z	iPPP	14 37	...	...	...	By path > 180°.
	N	i	15 13	...	...	...	
	ZNE	L	18	...	...	...	
	N	M	19 24	52	550	...	
	N	M	22 7	34	+450*	...	*Not completely recorded.

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
Dec.			h. m. s.	s.	μ	km.	
28 cont.	E	M	26 2	30	+170	...	
	N	M	30 6	28	+330	...	
	Z	M	35 17	25	−360	...	
	E	M	35 48	27	−200	...	
		F	7 30	...	...	...	
28		e	19 38	...	...	...	
		F	50	...	...	...	
29		e	4 39	...	...	...	Very small.
		F	55	...	...	...	Near Sumatra. 1° S., 97·5° E. (U.R.S.S.)
30	ZNE	e	0 7 57	...	...	...	Disturbed by wind
	NE	eL	38	...	...	...	and microseisms.
	Z	eL	45	...	...	...	New Guinea.
	E	M	48 53*	24	− 8	...	2° S., 140° E.
		F	2 0	...	...	...	(Wellington.)
30	N	i	3 10 46	...	...	...	Readings from experimental Wood-
	N	i	11 4	...	...	...	Anderson seismo-
	N	i	11 22	...	...	...	gram; very small
		F	13	...	...	...	on Galitzin records.
30	N	i	3 38 36	...	...	...	Confused by micro-
	N	i	39 28	...	...	...	seisms.
	N	i	39 35	...	...	...	Black Forest.
	N	i	40 9	...	...	...	48° 30′ N., 8° 10′ E.
		F	42	...	...	...	(Strasbourg.)

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

547. KEW OBSERVATORY: 1935

JANUARY

Day	0h A (μ)	0h Tρ (s)	6h A (μ)	6h Tρ (s)	12h A (μ)	12h Tρ (s)	18h A (μ)	18h Tρ (s)
1	2·1	7·7	2·5	7·7	3·0	7·7	1·8	7·5
2	2·1	7·3	2·3	7·0	2·7	7·3	2·1	7·5
3	2·1	7·3	2·1	7·3	2·2	7·0	1·9	7·0
4	1·3	6·7	1·1	6·7	1·0	5·0	1·1	6·0
5	1·3	6·0	1·1	5·8	1·6	5·6	1·1	5·0
6	1·1	4·8	1·2	5·0	1·1	5·6	1·1	5·4
7	1·1	6·0	0·7	6·0	0·3	5·4	1·0	5·4
8	0·6	6·0	0·2	5·6	0·3	5·4	0·5	6·3
9	0·9	6·5	0·9	6·0	1·1	6·5	1·0	6·5
10	1·6	7·0	2·5	7·0	3·2	7·5	2·2	6·5
11	2·9	7·0	3·3	7·0	4·3	6·7	2·6	6·7
12	3·7	7·0	2·9	7·5	3·8	6·7	3·2	7·5
13	2·5	6·7	2·6	7·0	2·2	6·5	1·9	5·6
14	2·2	5·8	1·9	6·5	1·1	6·0	1·5	6·5
15	1·1	6·5	0·9	6·0	1·1	6·7	1·1	6·3
16	1·0	6·5	0·5	6·5	0·8	5·6	1·0	7·0
17	0·8	6·5	1·0	6·3	1·0	6·7	0·9	6·5
18	0·8	5·6	0·7	6·0	0·8	7·0	0·8	6·5
19	0·8	6·0	0·9	7·0	0·7	6·3	0·6	6·0
20	0·3	5·4	0·2	7·0	0·5	6·3	0·5	6·5
21	0·2	6·0	0·3	6·3	1·0	5·8	0·5	6·5
22	0·5	6·5	0·7	6·5	1·1	6·7	1·1	6·7
23	1·1	7·3	1·1	7·0	1·6	6·7	2·9	7·0
24	4·0	7·7	2·6	7·5	1·8	7·3	1·8	7·0
25	2·6	6·3	4·7	7·3	6·2	7·7	12·1	8·7
26	9·5	9·3	6·6	8·3	3·7	7·3	3·0	7·0
27	2·6	7·0	1·8	6·5	2·2	6·0	1·3	6·0
28	1·3	6·0	0·4	5·6	0·2	4·1	0·2	4·3
29	0·2	4·7	0·2	4·0	0·2	5·0	0·2	5·2
30	0·4	6·0	0·7	5·6	0·3	5·6	0·4	6·0
31	0·9	5·4	1·0	6·0	2·4	7·7	3·2	8·0
Mean	1·7	6·5	1·6	6·5	1·7	6·4	1·8	6·5
Mean for Days	A = 1·7μ; Tρ = 6·5s							

FEBRUARY

Day	0h A (μ)	0h Tρ (s)	6h A (μ)	6h Tρ (s)	12h A (μ)	12h Tρ (s)	18h A (μ)	18h Tρ (s)
1	3·9	8·0	4·0	7·5	3·2	7·7	2·3	7·0
2	3·1	6·7	2·9	6·5	2·9	5·8	2·9	5·8
3	2·6	6·5	2·3	6·5	2·7	6·5	3·0	6·3
4	2·2	6·5	2·0	6·0	1·4	6·7	1·1	6·3
5	1·4	6·3	1·4	6·3	1·6	6·0	1·6	6·0
6	1·3	5·8	2·1	4·8	1·1	5·4	1·1	5·2
7	1·4	5·0	1·2	5·2	0·9	5·4	1·0	4·8
8	0·7	5·0	0·4	6·7	0·9	6·5	1·1	6·5
9	1·1	6·3	1·6	6·5	2·1	6·0	1·1	5·6
10	1·4	7·3	1·1	6·0	0·9	6·7	0·9	6·3
11	0·9	5·6	0·8	6·3	0·8	5·4	1·1	6·0
12	1·1	6·5	1·4	6·3	1·4	5·0	0·9	5·2
13	1·4	5·6	1·1	5·2	1·4	5·0	1·1	4·7
14	0·8	5·4	1·2	5·2	2·1	5·6	1·9	5·6
15	2·2	6·3	2·3	6·0	1·9	6·0	1·9	5·8
16	2·2	6·5	2·4	6·3	2·6	6·0	3·0	6·0
17	2·4	6·5	2·2	5·0	1·5	6·3	2·2	6·5
18	1·6	6·0	2·2	6·5	2·1	6·7	2·1	6·7
19	2·5	7·3	2·4	7·0	2·4	5·8	2·6	6·7
20	2·3	6·3	1·6	6·0	2·5	6·5	4·0	7·5
21	4·0	7·0	4·4	7·5	6·3	6·7	5·4	7·0
22	3·3	6·7	4·9	6·3	5·8	6·0	6·1	6·3
23	6·3	6·5	5·6	7·3	3·5	6·5	3·8	6·7
24	3·6	6·5	4·0	7·5	3·3	6·5	4·4	7·3
25	5·3	7·3	5·1	7·0	4·6	6·7	5·0	7·3
26	6·1	6·5	4·0	7·3	2·9	7·5	1·9	7·5
27	3·3	7·0	3·3	6·7	4·1	6·3	4·0	6·5
28	5·2	6·5	4·9	7·5	3·5	7·5	4·3	6·7
Mean	2·6	6·4	2·6	6·4	2·5	6·2	2·6	6·3
Mean for Days	A = 2·6μ; Tρ = 6·3s							

MARCH

Day	0h A (μ)	0h Tρ (s)	6h A (μ)	6h Tρ (s)	12h A (μ)	12h Tρ (s)	18h A (μ)	18h Tρ (s)
1	4·8	6·7	2·9	6·0	2·7	7·0	3·2	7·0
2	2·7	6·7	2·6	6·7	2·7	6·3	2·2	6·5
3	2·2	5·8	1·2	6·0	1·2	6·0	1·3	5·8
4	1·1	5·4	1·1	6·0	1·1	5·6	1·1	5·6
5	1·4	6·0	1·1	6·0	1·7	6·0	1·1	6·7
6	1·2	6·3	1·0	6·0	1·0	6·0	1·2	6·3
7	1·2	6·3	1·2	6·7	1·4	6·3	2·1	7·0
8	1·5	7·5	1·8	7·3	2·1	6·7	1·1	7·0
9	1·0	6·5	0·6	6·0	1·0	6·0	1·1	5·6
10	1·3	6·0	1·1	7·0	1·1	7·0	0·8	5·6
11	0·7	5·0	1·0	6·0	1·3	5·4	1·5	7·5
12	2·1	5·6	2·0	7·3	1·9	7·3	1·2	7·5
13	1·0	5·4	1·0	6·3	0·6	6·7	1·1	6·7
14	0·6	7·0	0·3	5·8	0·2	5·8	0·3	6·5
15	0·3	6·0	0·1	4·7	0·2	6·7	0·6	5·8
16	0·4	6·0	0·4	7·0	0·3	5·8	0·9	6·0
17	1·0	7·5	1·2	7·7	2·1	7·5	1·9	7·5
18	2·1	7·0	1·1	7·0	1·1	6·3	1·4	6·7
19	1·7	6·0	1·7	5·8	1·2	5·8	2·0	5·4
20	1·1	5·4	0·8	5·0	1·0	5·6	0·8	5·2
21	1·1	5·6	1·1	5·0	0·8	6·5	1·1	6·7
22	1·1	6·5	1·1	5·6	2·4	7·0	2·5	7·0
23	2·2	6·0	2·3	6·7	1·6	6·5	1·0	6·0
24	1·1	5·6	1·2	5·2	0·9	5·8	0·6	5·6
25	1·1	6·0	1·1	6·3	1·3	6·5	1·1	6·7
26	2·2	7·0	2·5	6·7	2·1	6·7	2·2	6·7
27	1·7	6·7	1·1	6·5	1·1	6·0	0·8	5·6
28	0·4	6·0	0·2	4·8	0·3	6·0	0·9	7·3
29	2·2	8·3	4·3	8·0	2·1	8·3	0·8	6·3
30	1·0	5·8	1·0	6·0	0·5	6·7	1·4	7·5
31	1·1	7·5	0·9	6·0	0·8	6·3	0·9	5·6
Mean	1·4	6·3	1·3	6·2	1·3	6·4	1·3	6·4
Mean for Days	A = 1·3μ; Tρ = 6·3s							

APRIL

Day	0h A (μ)	0h Tρ (s)	6h A (μ)	6h Tρ (s)	12h A (μ)	12h Tρ (s)	18h A (μ)	18h Tρ (s)
1	1·1	6·0	1·1	5·8	1·1	5·4	1·2	5·2
2	1·1	5·4	0·4	5·2	0·9	5·2	0·8	5·0
3	0·1	4·0	0·1	4·1	0·1	4·3	0·2	4·7
4	0·1	4·7	0·1	5·4	0·2	3·1	0·5	6·5
5	1·0	6·5	1·1	6·0	1·1	6·0	0·9	6·3
6	0·2	6·3	0·4	4·3	1·1	5·6	0·8	5·6
7	1·0	4·8	1·1	5·6	1·2	5·0	1·1	5·4
8	1·1	5·4	1·1	5·4	1·1	6·3	1·1	6·0
9	0·8	5·2	0·8	5·0	1·2	5·2	1·8	6·3
10	2·6	6·0	2·7	6·7	3·0	5·6	2·2	5·8
11	2·9	5·4	2·8	5·4	3·3	5·4	2·3	5·2
12	1·6	5·0	0·9	5·4	1·2	5·0	1·2	4·8
13	0·8	5·4	1·1	5·2	0·9	5·8	1·1	5·0
14	1·2	5·2	1·1	5·8	1·1	5·6	1·1	5·6
15	1·1	5·2	0·6	5·6	0·3	5·8	0·2	5·2
16	0·2	5·0	0·2	5·2	0·5	5·4	0·6	6·7
17	0·7	5·0	1·2	6·0	1·1	6·0	1·5	5·6
18	1·3	5·2	1·0	5·8	1·0	5·0	1·2	5·2
19	1·2	4·7	0·7	5·0	1·1	5·6	0·8	5·0
20	0·4	5·2	0·1	4·7	0·1	5·0	0·2	4·7
21	0·2	4·7	0·1	4·3	0·1	5·6	0·3	5·6
22	0·3	5·4	0·2	5·6	0·2	5·4	0·3	5·6
23	0·4	5·2	0·2	6·5	0·1	5·4	0·1	5·0
24	0·1	4·7	0·1	4·3	0·1	4·3	0·1	4·0
25	0·1	3·7	0·1	3·5	0·1	3·7	0·1	4·3
26	0·1	3·7	0·1	5·0	0·1	4·5	0·1	4·0
27	0·1	4·3	0·1	4·7	0·1	4·7	0·1	4·6
28	0·1	5·0	0·1	5·0	0·1	4·6	0·1	5·0
29	0·1	4·3	0·1	5·2	0·1	4·6	0·1	5·4
30	0·1	5·0	0·2	5·0	0·2	5·4	0·4	5·2
31								
Mean	0·7	5·1	0·7	5·2	0·8	5·1	0·7	5·3
Mean for Days	A = 0·7μ; Tρ = 5·2s							

MAY

Day	0h A (μ)	0h Tρ (s)	6h A (μ)	6h Tρ (s)	12h A (μ)	12h Tρ (s)	18h A (μ)	18h Tρ (s)
1	0·3	4·5	0·2	4·7	0·2	5·0	0·2	5·0
2	0·1	5·4	0·1	5·2	0·1	5·6	0·1	5·2
3	0·2	5·2	0·1	5·4	0·2	5·4	0·2	5·2
4	0·2	4·8	0·2	5·6	0·2	5·4	0·1	5·4
5	0·3	5·7	0·1	4·6	0·1	4·2	0·1	4·6
6	0·1	4·3	0·1	4·3	0·1	5·0	0·1	5·0
7	0·1	5·6	0·1	6·0	0·1	5·6	0·1	5·2
8	0·2	5·4	0·1	5·0	0·2	5·6	0·3	4·6
9	0·3	4·2	0·3	4·4	0·1	5·2	0·1	5·5
10	0·1	5·6	0·1	4·8	0·1	4·5	0·1	4·5
11	0·1	4·2	0·3	4·5	0·1	4·5	0·1	4·7
12	0·1	4·3	0·3	4·5	0·1	4·0	0·2	4·7
13	0·2	4·8	0·4	5·2	0·4	5·2	0·5	5·4
14	0·4	5·8	0·4	5·2	0·2	4·8	0·4	4·5
15	0·7	4·0	0·4	4·0	0·2	5·2	0·4	5·2
16	0·3	5·8	0·4	5·0	0·5	4·8	0·5	5·6
17	0·3	5·8	0·3	6·0	0·2	5·0	0·3	5·6
18	0·5	5·2	0·4	5·0	0·3	5·8	0·2	5·6
19	0·1	4·7	0·1	4·8	0·1	4·4	0·1	4·0
20	0·1	3·6	0·1	4·8	0·2	4·8	0·1	4·8
21	0·1	5·0	0·1	4·0	0·4	4·0	0·2	4·7
22	0·1	4·8	0·1	4·3	0·1	4·3	0·2	4·8
23	0·6	5·0	0·1	5·0	0·3	3·7	0·3	3·9
24	0·1	4·3	0·3	4·2	0·1	5·5	0·1	5·6
25	0·1	5·4	0·1	3·6	0·1	4·3	0·1	4·5
26	0·1	5·0	0·1	7·5	0·2	6·7	0·3	6·5
27	0·2	6·5	0·2	5·0	0·2	5·8	0·1	5·4
28	0·1	5·6	0·1	4·8	0·1	5·6	0·1	5·0
29	0·1	4·6	0·1	6·0	0·2	6·3	0·2	6·0
30	0·3	6·0	0·3	6·0	0·3	6·0	0·3	5·8
31	0·3	5·6	0·2	6·5	0·2	6·0	0·3	5·6
Mean	0·2	5·1	0·2	5·0	0·2	5·1	0·2	5·1
Mean for Days	A = 0·2μ; Tρ = 5·1s							

JUNE

Day	0h A (μ)	0h Tρ (s)	6h A (μ)	6h Tρ (s)	12h A (μ)	12h Tρ (s)	18h A (μ)	18h Tρ (s)
1	0·1	5·6	0·1	5·0	0·1	4·8	0·1	4·0
2	0·1	4·0	0·1	3·7	0·2	5·0	0·2	5·0
3	0·4	4·8	0·2	5·2	0·4	4·8	0·3	5·6
4	0·4	5·2	0·2	5·2	0·1	4·5	0·1	4·1
5	0·1	4·3	0·2	5·4	0·4	4·8	0·2	5·0
6	0·1	4·3	0·1	4·0	0·2	5·0	0·3	3·9
7	0·3	4·0	0·4	4·3	0·6	5·8	0·9	4·8
8	1·1	5·0	0·8	5·2	0·6	5·0	0·5	4·8
9	0·3	4·3	0·1	4·3	0·3	4·3	0·1	4·3
10	0·1	4·7	0·1	4·3	0·1	4·7	0·3	4·5
11	0·2	5·0	0·2	5·0	0·1	4·3	0·1	4·8
12	0·1	4·8	0·1	4·1	0·1	4·3	0·1	4·3
13	0·1	4·1	0·1	3·6	0·1	4·7	0·1	4·3
14	0·1	4·5	0·1	4·3	0·1	4·3	0·1	4·3
15	0·1	4·8	0·1	4·7	0·1	4·5	0·1	4·3
16	0·1	4·3	0·1	4·3	0·1	4·0	0·1	4·0
17	0·1	4·8	0·1	4·0	0·1	4·1	0·1	4·1
18	0·1	3·7	0·1	3·9	0·1	4·5	0·1	5·2
19	0·2	5·0	0·1	5·2	0·1	4·8	0·1	4·6
20	0·3	4·5	0·1	5·6	0·2	4·8	0·2	5·4
21	0·3	6·3	0·4	6·3	0·2	6·0	0·3	5·4
22	0·3	6·0	0·3	6·0	0·5	5·6	0·4	5·6
23	0·4	5·6	0·4	5·8	0·2	5·6	0·1	5·4
24	0·3	5·4	0·4	6·7	1·1	7·0	0·8	6·3
25	0·6	6·0	0·3	5·7	0·1	5·0	0·1	5·8
26	0·1	5·6	0·1	4·3	0·1	4·3	0·1	3·7
27	0·1	3·7	0·1	4·0	0·1	4·2	0·1	4·3
28	0·1	4·5	0·2	6·6	0·3	6·8	0·3	6·3
29	0·2	5·8	0·2	5·0	0·1	5·0	0·2	5·6
30	0·2	5·4	0·2	5·0	0·2	5·0	0·4	5·0
Mean	0·2	4·9	0·2	4·9	0·2	4·9	0·2	4·8
Mean for Days	A = 0·2μ; Tρ = 4·9s							

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

547. KEW OBSERVATORY — 1935

Month	JULY							
Hour G.M.T.	0h		6h		12h		18h	
	A	Tρ	A	Tρ	A	Tρ	A	Tρ
Day	μ	s	μ	s	μ	s	μ	s
1	0·3	5·6	0·2	5·0	0·1	5·4	0·1	5·2
2	0·1	4·8	0·3	4·5	0·2	4·5	0·3	4·7
3	0·2	4·8	0·3	4·5	0·1	4·7	0·1	4·3
4	0·1	4·5	0·1	4·8	0·1	4·8	0·1	4·5
5	0·3	4·5	0·1	5·0	0·2	5·0	0·4	5·0
6	0·1	5·0	0·4	4·8	0·2	4·7	0·1	4·8
7	0·1	4·5	0·1	4·7	0·1	4·5	0·1	4·5
8	0·1	4·1	0·1	4·0	0·1	4·2	0·1	4·8
9	0·1	4·7	0·1	4·5	0·1	4·2	0·1	4·7
10	0·2	5·0	0·2	5·8	0·3	5·6	0·2	5·2
11	0·2	5·6	0·2	5·4	0·2	5·2	0·2	5·0
12	0·2	5·0	0·1	5·8	0·2	5·6	0·4	5·6
13	0·6	5·7	0·5	5·6	0·6	6·0	0·3	5·6
14	0·2	5·8	0·2	5·2	0·1	5·0	0·1	5·5
15	0·1	5·4	0·1	5·0	0·1	5·0	0·3	6·7
16	0·6	7·3	0·8	6·5	0·4	6·7	0·8	6·5
17	0·4	6·0	0·3	6·0	0·2	5·7	0·1	5·6
18	0·1	5·0	0·1	4·8	0·1	4·6	0·1	4·6
19	0·1	4·1	0·1	4·3	0·1	4·7	0·1	4·8
20	0·1	4·5	0·1	5·0	0·1	4·5	0·1	5·2
21	0·1	5·0	0·1	5·2	0·1	5·0	0·1	4·3
22	0·1	4·7	0·1	5·0	0·1	4·3	0·1	4·3
23	0·1	4·3	0·1	4·1	0·1	5·0	0·1	4·7
24	0·1	4·8	0·1	4·5	0·1	4·8	0·1	5·2
25	0·1	5·0	0·1	5·0	0·1	4·8	0·2	5·4
26	0·2	5·6	0·2	5·2	0·2	5·0	0·1	4·8
27	0·1	4·5	0·1	4·8	0·1	4·8	0·1	4·8
28	0·2	5·4	0·2	6·0	0·3	5·4	0·2	5·6
29	0·2	4·8	0·2	5·0	0·4	4·6	0·4	4·8
30	0·2	5·0	0·1	4·3	0·1	4·3	0·1	4·8
31	0·1	4·3	0·1	4·8	0·1	4·8	0·1	5·0
Mean	0·2	5·0	0·2	5·0	0·2	4·9	0·2	5·1
Mean for Day	A = 0·2μ; Tρ = 5·0s							

Month	AUGUST							
Hour G.M.T.	0h		6h		12h		18h	
	A	Tρ	A	Tρ	A	Tρ	A	Tρ
Day	μ	s	μ	s	μ	s	μ	s
1	0·1	4·5	0·1	4·8	0·1	4·8	0·1	5·0
2	0·1	4·8	0·1	4·3	0·1	4·5	0·1	4·3
3	0·1	4·1	0·1	4·5	0·1	3·7	0·1	3·3
4	0·1	3·3	0·1	3·7	0·1	3·5	0·1	3·5
5	0·1	4·0	0·1	4·3	0·1	4·3	0·1	4·5
6	0·1	4·5	0·1	4·5	0·1	3·5	0·1	3·5
7	0·1	3·5	0·1	4·0	0·1	4·3	0·1	4·3
8	0·1	4·3	0·1	4·7	0·1	5·4	0·1	5·0
9	0·1	5·2	0·1	5·7	0·2	5·8	0·2	5·8
10	0·1	5·6	0·1	5·2	0·2	5·4	0·1	5·2
11	0·1	4·7	0·1	4·7	0·1	4·5	0·1	4·5
12	0·1	4·8	0·1	4·5	0·1	4·2	0·1	4·8
13	0·1	4·3	0·1	4·3	0·1	3·6	0·1	4·1
14	0·1	4·4	0·1	4·1	0·1	4·3	0·1	5·0
15	0·2	5·4	0·1	5·2	0·1	4·5	0·1	4·8
16	0·1	4·4	0·1	4·2	0·1	4·5	0·1	4·1
17	0·1	4·3	0·1	4·5	0·1	4·3	0·1	4·3
18	0·1	4·3	0·1	4·5	0·1	4·5	0·1	4·5
19	0·1	4·5	0·1	4·3	0·1	4·3	0·1	4·5
20	0·1	4·0	0·1	4·3	0·1	4·1	0·1	4·3
21	0·1	4·5	0·1	4·0	0·1	4·8	0·1	4·4
22	0·1	4·5	0·2	4·3	0·1	4·6	0·3	6·0
23	1·0	7·0	1·7	7·0	1·8	7·3	0·8	7·0
24	0·4	7·3	0·3	6·7	0·2	6·7	0·2	6·3
25	0·2	4·6	0·4	5·0	0·2	6·0	0·3	6·5
26	0·5	6·7	0·5	6·5	0·3	6·0	0·3	5·8
27	0·3	5·4	0·2	5·4	0·2	5·0	0·2	5·0
28	0·5	5·0	0·2	4·8	0·4	6·7	0·2	5·2
29	0·2	5·0	0·2	5·2	0·2	5·2	0·2	5·2
30	0·2	5·0	0·1	4·6	0·1	4·8	0·1	3·6
31	0·1	3·7	0·1	3·9	0·1	3·7	0·3	4·3
Mean	0·2	4·8	0·2	4·8	0·2	4·8	0·2	4·8
Mean for Day	A = 0·2μ; Tρ = 4·8s							

Month	SEPTEMBER							
Hour G.M.T.	0h		6h		12h		18h	
	A	Tρ	A	Tρ	A	Tρ	A	Tρ
Day	μ	s	μ	s	μ	s	μ	s
1	0·1	4·3	0·1	4·3	0·1	3·7	0·1	3·7
2	0·1	3·7	0·1	3·4	0·2	3·1	0·1	3·6
3	0·1	3·7	0·1	3·4	0·3	3·8	0·3	4·0
4	0·3	4·1	0·1	4·1	0·1	3·7	0·1	3·6
5	0·1	4·8	0·1	4·3	0·1	4·5	0·1	4·3
6	0·1	4·3	0·1	4·3	0·1	4·7	0·1	4·7
7	0·1	4·7	0·1	5·0	0·1	4·7	0·1	4·3
8	0·1	4·3	0·1	4·5	0·1	4·3	0·2	4·8
9	0·1	5·0	0·1	4·8	0·1	5·2	0·2	5·6
10	0·2	6·7	0·3	6·3	0·9	7·5	0·9	7·3
11	1·3	7·3	1·1	7·5	0·8	6·7	0·8	6·5
12	0·8	6·5	0·8	6·5	0·5	6·3	0·3	5·4
13	0·3	7·3	0·4	4·5	1·1	6·3	2·1	7·7
14	2·5	8·3	2·5	6·7	1·9	7·3	1·5	6·5
15	1·3	6·5	1·2	6·3	1·0	6·0	1·0	6·0
16	0·9	6·0	0·8	5·8	0·7	5·0	0·9	5·4
17	1·3	5·7	1·3	6·5	1·7	5·4	2·3	4·1
18	1·0	5·0	1·1	5·5	1·0	4·8	0·8	5·0
19	1·1	5·4	1·4	5·2	1·5	5·6	3·6	5·4
20	3·1	6·3	2·2	6·0	1·9	5·8	1·4	5·2
21	1·1	5·6	0·7	5·6	0·8	5·2	0·4	4·8
22	0·2	5·2	0·2	5·4	0·1	3·7	0·6	3·5
23	0·3	3·9	0·3	4·0	0·5	4·3	0·4	4·8
24	0·2	5·0	0·4	5·0	0·3	4·3	0·3	3·5
25	0·7	3·7	0·9	3·5	0·5	4·3	0·3	4·4
26	0·4	4·3	0·3	4·5	0·3	4·3	0·4	5·0
27	0·4	5·2	0·2	4·8	0·2	4·7	0·3	6·1
28	0·9	6·5	0·9	7·0	0·7	6·0	0·3	6·0
29	0·2	6·3	0·2	6·0	0·2	6·0	0·2	5·0
30	0·3	4·1	0·1	4·3	0·6	4·8	0·9	5·6
31								
Mean	0·7	5·3	0·6	5·2	0·6	5·1	0·7	5·1
Mean for Day	A = 0·6μ; Tρ = 5·25s							

Month	OCTOBER							
Hour G.M.T.	0h		6h		12h		18h	
	A	Tρ	A	Tρ	A	Tρ	A	Tρ
Day	μ	s	μ	s	μ	s	μ	s
1	1·6	6·7	2·1	7·3	1·9	7·3	1·0	6·0
2	0·8	6·3	1·3	6·6	1·1	6·5	2·0	7·3
3	2·5	6·5	2·8	7·7	3·2	7·5	2·6	8·0
4	2·2	6·5	1·5	6·5	1·3	6·7	1·1	7·3
5	0·8	6·5	0·3	7·0	0·2	6·5	0·2	4·8
6	0·3	4·3	0·3	3·8	0·3	4·5	0·2	4·8
7	0·1	5·0	0·2	4·8	0·2	4·7	0·1	5·0
8	0·1	4·8	0·1	4·3	0·3	4·0	0·4	6·5
9	1·0	6·7	1·2	6·7	1·2	6·5	1·1	7·0
10	1·2	6·7	1·0	5·0	1·3	6·0	1·1	6·5
11	1·1	6·0	1·2	6·0	0·9	5·7	0·9	5·4
12	1·0	5·8	0·8	5·6	0·6	5·0	1·0	5·5
13	0·9	6·0	1·0	5·8	1·0	6·0	0·9	5·4
14	1·1	6·5	0·8	6·0	1·0	5·8	0·6	5·4
15	0·5	6·3	0·3	5·6	0·5	5·0	0·4	4·8
16	0·4	5·2	0·7	5·6	0·5	5·6	0·4	5·0
17	0·3	5·4	0·7	5·6	0·9	5·8	1·1	6·0
18	1·1	5·8	1·5	6·5	1·1	6·5	3·0	6·3
19	7·7	7·5	10·6	8·3	6·0	8·0	4·3	7·9
20	4·4	6·5	3·1	6·3	3·6	6·5	2·0	7·5
21	1·7	6·3	1·2	6·0	1·2	6·5	0·9	6·3
22	0·5	7·0	0·7	5·0	0·5	5·2	0·3	5·4
23	0·5	5·4	0·7	6·0	0·5	5·4	0·4	5·2
24	0·3	5·6	0·3	6·0	1·3	6·0	1·3	6·3
25	0·8	6·0	1·0	6·0	0·7	5·8	0·7	6·0
26	1·0	6·0	0·8	6·5	1·1	6·3	1·0	6·0
27	1·1	5·7	1·2	6·5	1·7	5·8	1·6	5·6
28	2·3	6·0	1·7	6·7	2·1	6·5	1·9	6·3
29	1·7	6·0	1·4	6·3	1·6	6·7	2·4	6·5
30	2·5	7·0	3·2	7·0	4·2	7·5	3·7	7·5
31	2·9	6·7	3·0	6·7	2·2	6·7	2·3	7·0
Mean	1·4	6·1	1·5	6·1	1·4	6·1	1·3	6·1
Mean for Day	A = 1·4μ; Tρ = 6·1s							

Month	NOVEMBER							
Hour G.M.T.	0h		6h		12h		18h	
	A	Tρ	A	Tρ	A	Tρ	A	Tρ
Day	μ	s	μ	s	μ	s	μ	s
1	1·7	6·0	2·2	7·0	1·7	6·3	1·4	7·0
2	1·5	7·5	1·4	7·0	1·2	7·3	1·0	6·0
3	1·1	5·2	1·7	5·0	2·6	6·5	2·8	6·5
4	2·7	6·0	2·1	5·6	1·6	7·0	1·4	7·5
5	1·3	7·0	1·0	5·6	0·8	5·6	0·9	5·2
6	1·2	6·0	1·5	5·8	1·4	6·0	1·8	6·0
7	1·2	6·0	1·1	6·0	0·9	6·3	0·8	6·0
8	0·6	6·0	0·6	5·4	0·7	4·7	0·6	5·2
9	0·5	5·0	0·4	6·0	1·3	7·0	2·4	7·0
10	1·6	6·7	1·7	7·7	1·6	8·0	1·4	7·3
11	0·8	6·5	0·6	6·7	0·4	6·3	0·5	6·5
12	0·8	8·7	1·1	7·5	2·8	8·0	3·0	8·0
13	3·2	7·7	2·5	7·7	1·8	7·3	1·6	6·5
14	1·2	7·0	1·4	7·5	1·5	6·3	1·8	6·3
15	1·9	6·0	2·3	6·7	1·8	7·5	1·8	7·5
16	1·7	7·5	1·4	7·3	2·1	7·0	1·7	7·5
17	1·2	6·7	1·0	7·3	1·1	6·5	1·4	6·7
18	1·4	5·0	1·2	6·0	1·1	5·4	1·0	4·8
19	0·8	5·4	1·0	4·0	1·4	5·6	1·9	5·8
20	1·5	6·3	1·8	7·5	2·0	7·7	2·2	6·7
21	2·4	7·7	1·7	7·7	1·5	7·0	1·1	6·3
22	1·0	4·5	0·9	5·4	1·0	5·6	1·1	5·8
23	1·1	4·6	1·2	5·2	0·9	4·8	1·2	4·7
24	1·0	4·8	0·9	4·8	0·8	4·5	0·5	4·3
25	0·4	4·5	0·2	5·0	0·5	4·8	0·9	6·0
26	1·9	6·0	2·3	6·5	3·1	7·5	5·7	7·7
27	5·8	8·3	4·8	8·3	3·5	7·5	2·6	7·5
28	1·8	7·7	1·5	7·0	1·9	6·0	1·2	6·0
29	2·1	6·0	1·6	5·6	3·3	7·5	4·3	7·5
30	5·4	8·0	7·7	9·3	8·8	8·7	7·2	8·0
31								
Mean	1·7	6·3	1·7	6·5	1·8	6·5	1·9	6·5
Mean for Day	A = 1·8μ; Tρ = 6·5s							

Month	DECEMBER							
Hour G.M.T.	0h		6h		12h		18h	
	A	Tρ	A	Tρ	A	Tρ	A	Tρ
Day	μ	s	μ	s	μ	s	μ	s
1	5·1	8·0	4·3	7·7	4·8	7·5	4·4	7·0
2	3·6	7·0	5·0	7·0	3·0	6·7	2·7	7·0
3	2·5	6·7	2·2	7·0	2·1	6·7	2·0	6·3
4	2·5	5·7	2·7	5·7	1·7	5·7	2·3	6·3
5	2·1	6·7	2·3	6·5	2·6	6·0	2·5	6·3
6	1·7	6·0	1·5	5·8	1·3	6·5	1·4	6·3
7	2·9	8·7	2·9	8·0	2·5	7·3	2·4	7·5
8	3·1	7·3	2·2	6·5	2·2	7·7	2·8	7·7
9	1·9	6·7	1·6	6·5	1·1	6·0	1·0	6·3
10	1·3	7·0	1·1	7·0	1·1	7·0	1·2	6·5
11	1·4	5·0	1·9	6·0	2·0	5·4	2·0	5·4
12	1·3	5·7	1·2	6·3	0·8	6·3	0·7	6·3
13	0·3	5·7	0·5	5·7	0·4	5·2	0·2	5·0
14	0·1	4·6	0·2	5·0	0·4	4·3	0·4	5·0
15	0·4	4·7	0·9	5·2	2·7	6·3	1·2	7·5
16	2·9	6·5	2·4	6·5	2·4	6·3	2·0	6·5
17	1·3	6·0	1·2	6·7	0·9	6·0	1·1	6·0
18	1·3	5·8	1·1	5·4	1·1	4·6	1·0	5·7
19	1·1	4·7	1·1	4·2	0·8	4·3	0·7	5·4
20	0·5	5·0	0·4	4·5	0·5	5·2	0·7	5·4
21	1·2	6·0	1·1	4·8	1·3	4·6	0·9	4·8
22	0·9	4·7	1·0	4·7	0·8	5·0	1·1	4·8
23	1·0	4·8	0·7	4·8	1·0	4·8	1·2	5·0
24	1·7	5·4	2·2	6·7	2·6	5·6	2·2	6·3
25	2·5	5·4	2·5	6·7	2·6	7·0	3·2	7·5
26	3·0	7·5	2·6	6·7	2·7	6·5	2·6	6·5
27	2·4	6·5	2·3	6·5	2·4	6·0	2·2	5·8
28	2·2	6·5	2·0	5·7	1·9	6·5	1·8	6·3
29	1·6	6·0	1·3	6·0	2·3	6·7	2·0	6·5
30	2·2	6·5	2·2	5·8	2·9	5·6	3·5	7·0
31	3·6	8·0	2·5	7·3	3·5	9·0	2·9	6·7
Mean	1·9	6·1	1·8	6·1	1·9	6·1	1·8	6·2
Mean for Day	A = 1·9μ; Tρ = 6·1s							

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
by PERCY LUND, HUMPHRIES & CO. LTD.

(16713) Wt. 2208–2208A/6027/Ps.3568–3569. 275 7/37. P.L.H. & CO. LTD. G.922.

M.O. 390
Aerological

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON

HIS MAJESTY'S STATIONERY OFFICE

1937

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, 1935.

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.). $=10^5$ 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 kiloleos 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 80 soundings were made during the year, 67 from the Aviation Service Station of the Meteorological Office at Sealand Aerodrome and 13 from Kew Observatory. The choice of station from which a sounding was made was generally determined in view of the probable direction and length of the run of the balloon. In the cases of 64 of these soundings the instrument was found and returned, the rest being lost. When strong westerly winds prevail the policy has been followed of giving the balloon a very large free lift, the percentage of returns has in consequence been very good. In sixteen cases, which are indicated in the remarks, 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 examination of the records does not indicate that the effects of solar radiation on the instrument were greater than usual.

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 is much higher, ranging from about 15 metres per second at 20 Kl. down to 5 near the ground. The ventilation on the descent is more adequate than on the ascent, especially in the stratosphere.

---

* M.O. 321, H.M. Stationery Office.

As regards temperature, unless the contrary is stated 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. All occasions on which such selection has been made are specifically mentioned in the remarks. 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 point. No difference has been made in 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 in this volume 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 inversions 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."†

Some statistical tables follow. The table of mean temperatures consists of smoothed monthly means, based on soundings of which about 70% were made from Sealand, 20% from Kew and 10% from Benson. They may be taken as referring to the middle of England. The table of mean pressures is computed from that of mean temperatures and 24 hour means of barometric pressure at mean sea level for the middle of England. The table of temperature corrections allows an estimate to be made of the mean temperature at any height in kilometres; it is based on seasonal mean values, the period Dec.-Feb. being called winter and so on. The table of pressure corrections is based on annual means and is applicable to mean values throughout the year. The correlation data are based on 206 soundings, of which about 80% were made from Sealand and 20% from Kew. The table of monthly means of the five correlated elements has been obtained by smoothing the crude monthly means. Correlation coefficients and standard deviations are based both on departures from the crude means of all the data and also on departures from the smoothed monthly means.

†—E. Gold, F.R.S., Geophysical Memoir No. 16, M.O. 220f, London, 1920.

SMOOTHED MEAN TEMPERATURES FOR EACH MONTH AT GEODYNAMIC LEVELS. Period 1921—1935 inclusive.
Degrees absolute above 200°A.

Level (Kl.)	Ground	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
January	77·3	72·5	68·9	63·2	57·0	50·0	42·5	35·0	28·0	21·4	16·3	14·0	14·1	14·3	15·3	14·8	14·9	14·0	13·0	14·4	13·1
February	78·0	72·5	68·6	62·7	56·1	49·2	42·1	34·5	27·9	21·6	16·7	14·3	14·3	15·7	16·8	16·2	16·0	14·8	14·8	15·9	13·8
March	79·7	73·0	68·0	62·2	56·0	49·1	42·1	35·3	28·6	22·8	18·2	15·6	16·8	18·0	18·7	18·4	17·7	17·9	17·5	18·2	15·7
April	81·8	74·5	68·5	63·5	56·7	51·4	44·1	37·0	30·2	24·0	20·1	17·8	19·1	20·0	20·8	20·3	20·0	20·6	20·6	20·8	19·4
May	85·0	77·3	71·2	65·9	60·6	54·4	47·4	39·8	32·4	26·2	22·2	20·2	20·9	21·8	22·6	22·0	22·0	22·6	22·6	23·0	23·2
June	88·8	80·3	74·7	69·8	64·0	57·7	51·0	43·0	36·2	29·3	24·6	22·9	22·0	23·4	23·6	23·3	23·3	23·7	23·7	24·8	25·3
July	91·0	84·0	78·8	73·2	67·9	62·0	55·0	47·7	40·5	33·3	27·0	23·1	22·0	23·5	23·1	23·4	23·8	23·7	24·1	25·3	26·3
August	90·7	83·6	79·0	74·7	69·0	63·0	56·2	48·8	41·2	33·3	26·7	21·9	21·0	21·4	20·9	21·7	21·6	22·2	23·3	24·2	26·0
September	87·9	80·8	76·4	71·8	66·5	60·3	52·6	45·8	37·9	30·7	24·6	20·1	19·2	18·8	18·4	18·0	18·9	20·1	21·2	21·7	22·9
October	84·4	77·5	72·9	68·2	62·2	55·7	48·8	41·6	34·0	27·5	22·4	18·7	17·6	17·0	16·9	16·0	16·9	18·0	18·8	18·8	18·1
November	80·0	74·4	70·0	65·3	58·8	52·1	44·6	38·0	31·1	25·0	20·0	17·0	15·9	15·8	15·5	14·8	15·0	15·7	16·1	15·3	14·4
December	77·3	72·9	68·8	63·6	57·3	50·8	42·9	35·8	28·9	22·3	17·4	15·7	14·9	14·9	15·0	14·4	14·6	14·3	13·9	13·2	13·3
Year	83·5	76·9	72·1	67·0	61·0	54·6	47·4	40·2	33·1	26·5	21·3	18·4	18·1	18·7	19·0	18·6	18·7	19·0	19·1	19·6	19·3
Number of observations	459	459	459	457	453	452	450	447	444	437	434	413	386	355	324	291	258	204	142	97	63

SMOOTHED MEAN PRESSURES FOR EACH MONTH AT GEODYNAMIC LEVELS. Period 1921–1935 inclusive.
Millibars.

Level (Kl.)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
January	1014	893	785	689	603	525	456	394	339	290	248	211	179	152	129	110	93·6	79·5	67·6	57·4	48·8
February	1014	893	785	689	602	525	455	393	338	290	247	210	179	152	129	110	93·8	79·7	67·8	57·7	49·1
March	1013	894	786	689	602	525	455	393	339	290	248	211	180	153	130	111	94·8	80·8	68·8	58·7	50·0
April	1014	895	787	690	604	526	457	396	341	292	250	213	182	155	132	113	96·5	82·4	70·4	60·1	51·3
May	1015	897	790	694	608	531	462	401	345	297	254	217	185	158	135	116	98·9	84·6	72·3	61·8	52·9
June	1015	898	792	697	612	535	467	405	351	302	259	222	189	162	139	119	101	86·8	74·3	63·6	54·5
July	1015	899	794	700	616	540	472	411	356	307	264	226	193	165	142	121	104	88·7	75·9	65·0	55·7
August	1015	899	794	700	616	541	473	412	357	308	265	227	194	166	142	121	103	88·3	75·5	64·7	55·4
September	1014	897	792	697	613	537	469	407	353	304	261	223	190	162	139	118	101	85·9	73·3	62·7	53·6
October	1014	896	789	694	608	532	463	402	347	298	256	218	186	158	135	115	97·8	83·3	71·1	60·6	51·7
November	1013	893	786	690	604	527	458	397	342	293	251	214	182	155	132	112	95·4	81·1	69·0	58·7	50·0
December	1013	893	785	689	603	525	456	395	339	291	248	211	180	153	130	111	94·0	79·9	67·9	57·7	49·0
Year	1014	895	789	693	607	531	462	400	346	297	254	217	185	158	135	115	97·8	83·4	71·2	60·7	51·8

MEAN QUARTERLY TABLE OF CORRECTIONS TO BE ADDED TO THE MEAN TEMPERATURE AT THE LEVEL OF "n" KILOLEOS TO OBTAIN THE MEAN TEMPERATURE AT THE HEIGHT OF "n" KILOMETRES ABOVE MEAN SEA LEVEL.
Degrees absolute:

Level (Kl.)	Ground	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Winter	—	0·1	0·2	0·3	0·5	0·7	0·9	1·0	1·1	1·2	1·0	0·5	0·1	−0·2	−0·2	0·2	0·0	0·3	0·2	−0·3	0·5
Spring	—	0·1	0·2	0·3	0·5	0·6	0·8	1·0	1·1	1·1	0·8	0·5	−0·2	−0·3	−0·2	0·2	0·1	−0·2	0·1	−0·2	0·6
Summer	—	0·1	0·2	0·3	0·4	0·6	0·8	1·1	1·2	1·3	1·2	0·8	0·2	−0·3	0·1	−0·1	0·0	−0·1	−0·2	−0·5	−0·5
Autumn	—	0·1	0·2	0·3	0·5	0·6	0·9	1·0	1·2	1·2	1·1	0·8	0·2	0·1	0·1	0·2	−0·2	−0·4	−0·3	0·0	0·0

MEAN ANNUAL TABLE OF CORRECTIONS TO BE ADDED TO THE PRESSURE AT THE LEVEL OF "n" KILOLEOS TO OBTAIN THAT AT THE HEIGHT OF "n" KILOMETRES ABOVE MEAN SEA LEVEL.

Level (Kl.)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Correction mb.	—	1·8	3·7	5·0	6·3	7·2	7·6	8·0	8·2	8·4	8·1	7·9	7·4	6·9	6·4	5·9	5·4	5·0	4·5	4·1	3·7

CORRELATION DATA FOR THE PERIOD 1930–1935 inclusive.

	Symbol.	Identifying suffix.	Standard deviation from crude mean.	Standard deviation from smoothed monthly mean.
Pressure at M.S.L.	P_0	1	11·00 mb.	11·04 mb.
Mean temperature 1–9 Kl.	T_m	2	5·99°A.	4·42°A.
Pressure at 9 Kl.	P_9	3	10·20 mb.	8·16 mb.
Level of tropopause	L_c	4	1·45 Kl.	1·39 Kl.
Temperature at tropopause	T_c	5	6·65°A.	5·81°A.

SMOOTHED MEAN MONTHLY VALUES OF THE CORRELATED ELEMENTS.

		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
P_0	mb.	1014	1014	1013	1014	1015	1015	1015	1015	1014	1014	1013	1013*
T_m	°A.	249	249	249	251	254	256	259	260	258	255	252	250
P_9	mb.	291	290	291	295	298	300	304	306	305	300	294	291
L_c	Kl.	10·5	10·4	10·3	10·3	10·3	10·5	10·9	11·2	11·1	10·8	10·6	10·5
T_c	°A.	211	211	213	216	218	220	220	218	217	216	215	213

TOTAL CORRELATION TABLE. VALUES OF r_{xy}.

xy	12	13	14	15	23	24	25	34	35	45
Based on crude means	·384	·627	·570	—·484	·945	·715	—·156	·770	—·286	—·706
Based on monthly means	·472	·718	·558	—·529	·912	·826	—·630	·836	—·697	—·850

PARTIAL CORRELATION TABLE. VALUES OF $r_{xy \cdot z}$ Based on Monthly means.

z	xy	12	13	14	15	23	24	25	34	35	45
1						·933	·769	—·508	·753	—·537	—·788
2			·795	·338	—·339				·359	—·387	—·753
3		—·642		—·110	—·058		·284	·017			—·678
4		·023	·551		—·126	·716		·242		·045	
5		·211	·574	·242		·850	·709		·647		

*This line taken from pressure table above.

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.

1935.

No. of Sounding.	1006.	1007.	1008.	1009.	1011.	1013.	1014.	1015.	1017.	1018.
Date.	Jan. 25.	Jan. 28.	Feb. 11.	Feb. 12.	Feb. 14.	Feb. 15.	Feb. 15.	Feb. 15.	Feb. 16.	Feb. 16.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T.	17h. 30m.	10h. 40m.	17h. 20m.	17h. 25m.	17h. 20m.	12h. 50m.	16h. 20m.	18h. 0m.	1h. 0m.	4h. 30m.
L_t=Geopotential at Greatest Height ... (Kl.)	8·66	16·20	15·86	14·67	14·66	8·11	15·40	13·00	12·97	15·51
T_t=Corresponding Temperature ... (°A)	231	221	213	215	217	232	213	205	205	211
P_t=Corresponding Pressure ... ... (mb.)	286	94	96	115	114	337	105	153	154	101
Place of Fall	Brocton, Staffs.	Gilwern Hills, Llandrindod Wells, Radnor.	Canton Esch, Luxembourg.	Manthorpe, Grantham, Lincs.	Fenstanton, St. Ives, Cambs.	Thurlow Park, Suffolk.	Hoton, Nr. Loughborough, Leicester.	Haddon, Stilton, Northants.	Little Bytham, Grantham, Lincs.	Barkston, Grantham, Lincs.
Distance ... ... (Km.)	80	114	651	160	222	265	132	195	176	—
Bearing. Degrees from N.	130	191	122	100	117	117	111	113	107	—
Type of Balloon	Veedip.	Pirelli.	Veedip.	Veedip.	Veedip.	Veedip.	Stirling.	Saul.	Veedip.	Stirling.
Weight of Balloon... ... ... (Kg.)	0·28	0·79	0·29	0·28	0·32	0·31	0·58	0·49	0·28	0·61
Weight of Instrument ... ... (Kg.)	0·15	0·65	0·15	0·15	0·15	0·15	0·15	0·15	0·15	0·15
Net Free Lift ... ... (Kg.)	1·25	1·00	0·70	0·70	1·05	1·00	1·50	1·20	1·05	1·35
Estimated vertical velocity at start ... (m/s.)	8·0	6·0	6·1	6·1	7·6	7·5	8·0	7·5	7·5	7·7
Geostrophic Wind— Speed ... ... (m/s.)	22	0	14	11	16	18	28	21	27	31
Degrees from N.	280	—	240	265	300	270	270	275	280	280
Wind (Anemograph)— Speed ... ... (m/s.)	9	1	6	2	6	6	9	9	9	13
Degrees from N.	250	225	200	210	250	210	210	225	225	225
Humidity at surface ... ... (%)	81	90	69	66	70	85	79	79	80	75
Type of Tropopause	I.	I.	I.	II.	I.	—	I.	I.	I.	I.
L_c=Geopotential at the tropopause ... (Kl.)	6·02	10·15	11·91	9·81	9·79	—	11·47	11·57	11·38	11·93
T_c=Temp. at ... ... (°A)	228	216	202	214	211	—	206	204	205	204
P_c=Pressure at ... ... (mb.)	427	244	185	252	250	—	200	195 approx.	202	184
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	—	221	—	216	217	—	—	—	—	—
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) (°A.)	—	—	—	—	—	—	—	—	—	—
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) (°A.)	—	—	—	—	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... ... (°A.)	—	248	—	248	245	—	—	256	256	256
P_o (Pressure at M.S.L.) ... ... (mb.)	984	1029	1019	1010	1012	1003	1001	1001	1002	1000

549. 1935.

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

No. of Sounding.

1006. cpsh. Clouds Cunb. 8/10 from W'N. at about 0·4 Kl. A deep depression centred over the Baltic is filling up, while an anticyclone is situated west of Ireland. Type I.

1007. *bcf. Clouds Stcu. 1/10 from N at about 0·6 Kl. Ci.1/10. Isothermal (2·13—2·95 Kl., 780—700 mb., 262°A., 49—59%). A ridge of high pressure extends over England and Scandinavia, while pressure is low over Greenland and to the west of Norway. Type Ia or IXb.

1008. cm_o. Clouds Frst. 7/10 from WSW at about 0·7 Kl., Ast. 3/10. Owing to non insertion of wedge the record failed below 11½ Kl. The temperatures in the troposphere were estimated from a sounding at Duxford at 13h. G.M.T. The balloon did not burst and floated for many hours. A depression is centred northwest of Scotland, and a ridge of high pressure extends from west of Spain across France and Central Europe. Type II or V.

1009. c. Clouds Stcu. 7/10 from W. at about 0·7 Kl., Cicu. and Cist. from NW. moving at 11 mph. Inversion on descent (1·66—1·73 Kl., 817—810 mb., 265·6—270·0°A.). Change of lapse rate at (9·09 Kl., 283 mb., 217°A.). Small depressions lie between the region south of Greenland and Norway, whilst pressure is high west of Spain. Type IV.

1011. bc. Clouds Stcu. 3/10 from W'N. at about 0·7 Kl. Small inversion at (5·23 Kl., 503 mb., 243°A., 66%). Change of lapse rate at (9·09—9·32 Kl., 280—270 mb., 214·7—214·3°A.). A complex area of low pressure extends from Greenland to Scandinavia, while an anticyclone is centred west of Spain. Type IV.

1013. $or_o r_o$. Clouds Frnb. 5/10 and Nbst. 5/10 from W'N. at about 0·25 Kl. Record failed above 8 Kl., probably due to ice on the plate. Pressure distribution :—similar to No. 1011. Type II or Va.

1014. or_o. Clouds Frnb. 5/10 and Nbst. from W. at about 0·4 Kl. Owing to improper insertion of wedge the record failed below 3 Kl. The temperatures below 3 Kl. can be estimated from sounding No. 1015. Pressure distribution :—similar to No. 1011, but with the anticyclone further east. Type II or Va.

1015. $or_o r_o$. Clouds Frnb. 6/10 and Nbst. 4/10 from SW'W. at about 0·4 Kl. Owing to ice on the plate the upper part of the temperature record is very fragmentary and failed entirely below the top. The temperatures have in some cases been interpolated. Isothermal (1·71—2·00 Kl., 809—780 mb., 276°A., 106—91%). Pressure distribution :—Similar to No. 1014. Type II or Va.

1017. $cd_o r$. Clouds Frnb. 5/10 and Nbst. 4/10 from W'S. at about 0·6 Kl. Pressure distribution :—Similar to No. 1015, but the anticyclone is over Spain. Type II.

1018. c. Clouds Frnb. 4/10 from W'S. at about 0·6 Kl., Ast. 5/10 from W'S. Mean of both records used for temperature except for the lowest Kl. where the ascent only was employed. Inversion on descent (0·73—1·07 Kl., 915—875 mb., 278·5—280·0°A.). Pressure distribution :—Similar to No. 1017. Type II.

* Meteorograph attached to air sampling apparatus, see introduction.

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

548. **1935.**

No. of Sounding.	1019.	1022.	1023.	1024.	1025.	1026.	1028.	1030.
Date.	Feb. 16.	Feb. 16.	Feb. 16.	Feb. 17.	Feb. 22.	Mar. 4.	Mar. 15.	Mar. 26.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.
Start G.M.T. ...	7h. om.	16h. 5m.	18h. om.	7h. om.	12h. 15m.	10h. 20m.	12h. 33m.	17h. 20m.
L_t=Geopotential at Greatest Height ... (Kl.)	15·94	8·41	16·41	14·61	10·69	10·54	10·00	16·32
T_t=Corresponding Temperature ... (°A)	208	238	214	218	234	220	216	214
P_t=Corresponding Pressure ... (mb.)	93	320	86	117	213	226	250	90
Place of Fall ...	Carlton-le-Moorland, Lincs.	Bonwick, near Driffield, Yorks.	Harpswell, Lincoln.	Long Whatton, near Loughborough, Leicester.	Biggin, Buxton, Derby.	Stone, Staffs.	Tilbury, Essex.	Balderton, Newark, Notts.
Distance ... (Km.)	157	199	160	124	83	66	47	149
Bearing. Degrees from N. ...	94	66	82	110	97	122	90	97
Type of Balloon ...	Stirling.	Pirelli.	Stirling.	Pirelli.	Poppe.	Pirelli.	Poppe.	Pirelli.
Weight of Balloon... (Kg.)	0·65	0·34	0·63	0·77	1·55	0·78	1·56	0·76
Weight of Instrument ... (Kg.)	0·15	0·15	0·15	0·19	0·63	0·65	0·65	0·15
Net Free Lift ... (Kg.)	1·35	1·05	1·35	1·61	0·82	1·20	1·00	1·10
Estimated vertical velocity at start ... (m/s.)	7·6	7·5	7·7	7·9	5·2	6·3	5·8	7·2
Geostrophic Wind— Speed ... (m/s.)	35	31	27	18	13	9	7	9
Degrees from N. ...	270	280	280	290	315	300	160	300
Wind (Anemograph)— Speed ... (m/s.)	13	9	8	7	9	5	1	3
Degrees from N. ...	225	225	225	250	280	290	180	335
Humidity at surface ... (%)	76	85	73	75	70	71	62	84
Type of Tropopause ...	I.	—	I.	I.	I.	III.	—	II.
L_c=Geopotential at the tropopause ... (Kl.)	11·97	—	9·91	10·41	8·00	8·54	—	11·66
T_c=Temp. at ... (°A)	201	—	221	208	223	222	—	207
P_c=Pressure at ... (mb.)	182	—	245	231	321	310	—	195
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) ... (°A.)	—	—	215	—	—	—	—	212
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) ... (°A.)	—	—	—	—	—	—	—	—
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) ... (°A.)	—	—	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... (°A.)	256	—	247	249	245	245	251	254
P_o (Pressure at M.S.L.) ... (mb.)	999	992	993	1017	979	1027	1013	1025

549. **1935.**

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

No. of Sounding.

1019. c. Clouds Stcu. 5/10 from W'S. at about 0·7 Kl., Ast. 3/10 from W'S. Inversion (0·73—1·12 Kl., 914—870 mb., 279·5—280·5°A., 90—83%). Pressure distribution:—Similar to No. 1017. Type II.

1022. or. Clouds Frnb. and Nbst. 10/10 from WSW. at about 0·25 Kl. Owing to ice on the plate the record failed above 8½ Kl. The record of relative humidity was taken from the descent only. A depression centred west of Norway is deepening and moving SE., while the anticyclone has receded slightly. Type II or I.

1023. bc/r_o. Clouds Stcu. and Frcu. 3/10 from W'S. at about 0·6 Kl., Acu. 1/10 from W'S., moving at 24 r.p.h. The stratosphere commences with a small inversion, but the positive lapse rate starts again above it and continues up to 15·5 Kl. Change of lapse rate at (10·34 Kl., 229 mb., 222°A.). Pressure distribution :—Similar to No. 1022. Type I.

1024. bc. Clouds St. 3/10 from W'N. at about 0·9 Kl., Acu. and Ast. 4/10 from NW'W. moving at 24 r.p.h., Ci, trace. Isothermal (2·17—2·62 Kl., 771—727 mb., 266°A., 98—57%). The depression referred to in No. 1022 is now centred over the Baltic while a depression over Iceland is deepening. Type IV.

1025. *bc. Clouds Cunb. and Stcu. 5/10 from W'N. at about 0·6 Kl. Ast. 1/10. The balloon did not burst and floated at the top and a rise of temperature of 19°A. at the top was ignored. Change of lapse rate at (2·08—2·91 Kl., 748—670 mb., 262·7—261·5°A., 104—52%). A depression is centred west of Norway and secondaries are centred south of Ireland and east of Denmark. Type XII.

1026. *bc. Clouds Cu. and Cunb. 4/10 from W. at about 0·9 Kl. Isothermal (4·01—4·20 Kl., 606—590 mb., 252°A., 58—56%). Pressure is high over the Bay of Biscay, while shallow depressions are centred over Iceland and east of Greenland. Type Va or XII.

1028. *bc. Clouds Frcu. 5/10 from S. Balloon leaked, top of record not used. Inversion (1·21—1·66 Kl., 870—821 mb., 272—274°A., 84—48%). A depression is centred west of Ireland and extends over the British Isles, while pressure is high over Russia. Type VIIb.

1030. bc. Clouds Stcu. 5/10 from W'N. at about 0·7 Kl., Ast and Acu. 1/10 from W. moving at 21 r.p.h. Inversion (1·32—1·61 Kl., 870—838 mb., 273·4—274°A., 93—55%). An anticyclone is centred south of Ireland, while a depression is centred over Finland. Type I.

* Meteorograph attached to air sampling apparatus, see introduction.

548. $T.$=Temperature in degrees absolute. $P.$=Pressure in millibars. **1935.**
$L.$=Geopotential Level above M.S.L. in kiloleos (Kl.) $RH.$=Relative Humidity as percentage.

No. of Sounding.	1031.	1032.	1033.	1034.	1035.	1036.	1037.	1038.	1039.
Date.	Mar. 28.	Apr. 17.	Apr. 29.	May 10.	May 27.	June 3.	June 5.	June 7.	June 10.
Station.	Sealand.	Sealand.	Sealand.	Kew.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T.	10h. 0m.	9h. 45m.	11h. 50m.	15h. 38m.	13h. 1m.	18h. 10m.	18h. 0m.	18h. 2m.	18h. 4m.
L_t=Geopotential at Greatest Height ... ... (Kl.)	12·96	19·16	19·06	18·08	17·11	12·06	22·30	17·97	17·03
T_t=Corresponding Temperature ... ... (°A)	216	222	224	216	225	225	228	226	221
P_t=Corresponding Pressure ... ... (mb.)	159	57	61	70	86	180	37	73	85
Place of Fall	Kimbolton, Leominster, Hereford.	Mow Cop, near Congleton, Cheshire.	Shrawley, Worcester.	Whitchurch, Reading, Oxford.	Bisham Abbey Marlow, Bucks.	Denton, Manchester.	Mellor, Stockport, Derby.	Leeds, Yorks.	Old Hulton, Westmoreland.
Distance ... ... (Km.)	110	52	115	54	34	62	67	115	120
Bearing. Degrees from N.	170	102	155	270	286	66	74	56	10
Type of Balloon	Pirelli.	Pirelli.	Saul.	Saul.	Saul.	Pirelli.	Saul.	Saul.	Veedip.
Weight of Balloon ... ... (Kg.)	0·80	0·78	0·50	0·53	0·51	0·77	0·50	0·49	0·38
Weight of Instrument ... ... (Kg.)	0·51	0·63	0·84	0-72	0·73	0·15	0·15	0·15	0·15
Net Free Lift ... ... (Kg.)	0·69	0·72	0·66	0·78	0·75	1·20	0·40	1·20	0·53
Estimated vertical velocity at start ... ... (m/s)	4·7	4·9	4·4	5·2	5·0	7·3	3·7	7·6	4·9
Geostrophic Wind— Speed ... ... (m/s.)	0	21	5	15	8	8	0	24	11
Degrees from N.	—	275	310	75	110	210	—	245	195
Wind (Anemograph)— Speed ... ... (m/s)	3	6	4	6	1	1	1	10	4
Degrees from N.	315	250	315	80	90	100	135	235	160
Humidity at surface ... ... (%)	70	66	70	38	74	90	67	63	72
Type of Tropopause	I.	I.	I.	I.	I.	I.	I.	I.	IV.
L_c=Geopotential at the tropopause ... ... (Kl.)	11·11	8·32	11·13	11·47	10·62	9·09	8·92	7·88	10·52
T_c=Temp. at ... ... (°A.)	210	220	216	210	219	220	219	228	221
P_c=Pressure at ... ... (mb.)	215	309	214	205	237	286	292	340	234
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) ... ... (°A.)	—	225	220	214	223	—	226	230	225
(L_c+5) to (L_c+8) ... ... (°A.)	—	222	221	—	—	—	225	227	—
(L_c+8) to (L_c+11) ... ... (°A.)	—	—	—	—	—	—	226	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... ... (°A.)	253	245	—	258	258	250	250	250	255
P_0 (Pressure at M.S.L.) ... ... (mb.)	1031	989	1028	1020	1015	1004	1000	995	1002

549. **1935.**

No. of Sounding. REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

1031. *bcz$_0$. Clouds Frcu. 2/10 from NW'N. at about 0·7 Kl., Acu. 1/10 from NW'W. moving at 10 r.p.h. Inversion (0·83—1·16 Kl., 930—892 mb., 275·6—279·5°A., 84—43%). A large anticyclone extends from west of Ireland to Central Europe, while a depression is centred over Northern Russia. Type VIIIb.

1032. *c/pr$_0$. Clouds Stcu. 6/10 from W'S., Acu. and Ast. 3/10 from W'N. moving at 18 r.p.h. Ci. trace from NW. moving at 11 r.p.h. A rise of temperature of about 18°A. at the extreme top was ignored. A deep depression is centred over Eastern Scotland and filling up. Type XV.

1033. *bc. Clouds Stcu. and Cu. 5/10 from W'N. at about 0·6 Kl. Owing to non insertion of wedge the record was missing below 8 Kl. The temperatures below 8Kl. were determined from a Duxford flight for the calculation of pressure heights. A rise of temperature at the extreme top was ignored. An anticyclone covers the British Isles, while pressure is low over Russia and south of Greenland. Type I.

1034. *b. Clouds Ci. 2/10 from SE. moving at 3 r.p.h. Rise of temperature at the extreme top of about 9°A. which was ignored. Inversion (1·10—1·37 Kl., 892—862 mb., 279·7—281·3°A.). An anticyclone lies between Scotland and Iceland, while a depression west of Spain is filling up. Type VIIIa.

1035. *oz. Clouds Frst. 7/10 and Stcu. 3/10 from E. A rise of temperature at the extreme top was ignored. An anticyclone is situated to the north of Scotland while a shallow depression covers France and Spain. Type VIII.

1036. c/pr$_0$. Clouds Cu. and Cunb. 9/10 from SW'W. at about 1·35 Kl. A depression centred off South West Ireland extends over the British Isles. Type IVa.

1037. c. Clouds Stcu. 4/10 at about 0·9 Kl. Acu. and high Stcu. 4/10. A rise of temperature at the extreme top was ignored. A depression is situated west of Ireland, while smaller ones are centred over England and Denmark. Type XIII or XIV.

1038. bc. Clouds Stcu. 4/10 from SW'W. at about 1·2 Kl., Acu. 2/10 from SW'W. moving at 13 r.p.h. Mean employed for temperature except at 0·5 Kl. where the ascent only was used ; a sudden rise of 2°A. at the extreme top was ignored. A depression centred over the Hebrides extends over the British Isles, while pressure is high over the Mediterranean. Type III or XV.

1039. c. Clouds Cu., Stcu. and Frst. 9/10 from SSE. at about 0·6 Kl., Acu. trace from S'W. moving at 11 r.p.h. Small inversion at (9·67 Kl., 267 mb., 223°A). A depression centred over the south-west of Ireland has secondaries over Northern Spain and Holland. Type VII.

* Meteorograph attached to air sampling apparatus, see introduction.

548. T.=Temperature in degrees absolute. L.=Geopotential Level above M.S.L. in kiloleos (Kl.) P.=Pressure in millibars. RH.=Relative Humidity as percentage. **1935.**

No. of Sounding.	1041.	1042.	1044.	1045.	1046.	1047.	1048.	1049.	1050.
Date.	June 11.	June 12.	June 13.	June 13.	June 14.	June 15.	June 17.	June 19.	June 21.
Station.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T. ...	18h. 0m.	7h. 40m.	7h. 40m.	18h. 5m.	7h. 30m.	7h. 40m.	18h. 3m.	18h. 3m.	18h. 2m.
L_t=Geopotential at Greatest Height ... (Kl.)	19·93	21·92	20·72	15·91	18·43	22·55	18·71	16·43	16·42
T_t=Corresponding Temperature ... (°A.)	222	228	227	227	225	229	225	219	218
P_t=Corresponding Pressure ... (mb.)	54	40	47	101	68	37	66	95	96
Place of Fall ...	Eccles Heath, Kenninghall, Norfolk.	Burnley, Lancs.	Eastby Crag, Skipton, Yorks.	West Maxton, Skipton, Yorks.	Bolton by Bowland, Lancs.	Moss Side, Leyland, Lancs.	Wincle, Macclesfield, Staffs.	Hulland, Derby.	Well, Bedale, Yorks.
Distance ... (Km.)	141	78	109	98	91	55	62	94	146
Bearing. Degrees from N. ...	40	40	38	35	29	20	92	103	40
Type of Balloon ...	Saul.	Saul.	Saul.	Veedip.	Stirling.	Stirling.	Stirling.	Stirling.	Stirling.
Weight of Balloon ... (Kg.)	0·51	0·49	0·52	0·37	0·58	0·57	0·55	0·57	0·57
Weight of Instrument ... (Kg.)	0·15	0·15	0·15	0·15	0·15	0·15	0·15	0·15	0·15
Net Free Lift ... (Kg.)	0·45	1·00	0·60	1·05	0·90	0·67	1·37	1·17	1·35
Estimated vertical velocity at start ... (m/s.)	4·0	7·2	5·2	7·4	6·7	5·7	7·8	7·4	7·7
Geostrophic Wind— Speed ... (m/s.)	17	15	11	10	13	6	5	11	8
Degrees from N. ...	240	230	240	210	200	235	190	205	215
Wind (Anemograph)— Speed ... (m/s.)	5	2	5	4	5	1	2	6	5
Degrees from N. ...	200	180	225	190	160	225	335	170	170
Humidity at surface ... (%)	98	92	73	49	69	69	72	94	78
Type of Tropopause ...	I.	II.	I.	I.	I.	I.	I.	I.	I.
L_c=Geopotential at the tropopause ... (Kl.)	8·29	8·59	8·52	9·93	9·29	9·05	10·76	11·85	13·93
T_c=Temp. at ... (°A.)	227	225	225	220	223	226	218	214	210
P_c=Pressure at ... (mb.)	326	310	310	254	278	290	229	197	144
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) ... (°A.)	229	229	226	227	227	230	223	—	—
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) ... (°A.)	224	227	224	—	226	228	224	—	—
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) ... (°A.)	221	226	223	—	—	228	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... (°A.)	252	251	248	252	250	252	257	261	265
P_0 (Pressure at M.S.L.) ... (mb.)	1007	1005	1007	1009	1007	1005	1011	1016	1016

549. **1935.**

No. of Sounding.

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

1041. or. Clouds Nb. 10/10 from SW. The mean of both records was employed for the relative humidity. A rise of 4°A. at the extreme top was ignored. A depression is centred between Scotland and Iceland with other low centres over Southern Scandinavia and Eastern Europe. Type III.

1042. crr. Clouds Frnb. 5/10 from SSW. at about 0·5 Kl., Ast. 5/10. Owing to ice on the plate the record was interrupted in many places, in consequence the descent was mainly employed for the temperature data. Pressure distribution :—Similar to No. 1041. Type III.

1044. bc/pr$_0$. Clouds Cu. and Stcu. 6/10 from SW. Acu. and Ast. 1/10 from SSW., moving at 18 r.p.h., Ci. trace from SSW. moving at 13 r.p.h. A rise of about 5°A at the extreme top was ignored. A region of low pressure lies to the north west of Scotland with an anticyclone over Europe. Type V.

1045. bcy. Clouds Cu. and Stcu. 3/10 from S'W. at about 0·7 Kl. Acu. 4/10, Ci. trace from SW. moving at 18 r.p.h. The apparently excessive lapse rate near the ground is partly due to the temperature at 0·5 Kl. being derived from the mean of both records which differed by 3°A. Change of lapse rate at (2·35 Kl., 750 mb., 268°A., 76%). Pressure distribution :—Similar to No. 1044. Type V.

1046. bc. Clouds Cu. and Stcu. 1/10 from S'W. at about 0·9 Kl. Acu. 1/10, Ci. trace from SW. moving at 12 r.p.h. Temperature at 0·5 Kl. taken from ascent only ; a rise of 6°A. at the extreme top was ignored. Inversion on ascent (1·29—1·36 Kl., 857—849 mb., 275—276·3°A., 77—64%). A depression is centred west of Ireland with a second centre over Norway. Type IVa or VII.

1047. bc. Clouds Cu. and Stcu. 3/10 from WSW. at about 0·7 Kl. Ci. trace from SSW. moving at 7 r.p.h. A rise of 15°A. at the extreme top was ignored. Pressure distribution :—Similar to No. 1046 ; the depression is slowly filling up. Type III or XV.

1048. c. Clouds Stcu. and Frst. 6/10 from SSW. at about 0·8 Kl., Ast. 3/10, Ci. trace from W'S. moving at 15 r.p.h. Inversion (2·76—3·03 Kl., 715—690 mb., 268·2—269°A., 99—60%). A depression lies out in the Atlantic and another off the coast of Norway. Type VII.

1049. crrm$_0$. Clouds Frnb. 4/10 from S. at about 0·2 Kl., Ast. 6/10. A depression centred west of Ireland is moving eastwards, while a shallow depression is centred over the Baltic. Type IVa.

1050. c. Clouds Cu. and Stcu. 7/10 from S'W. at about 112 Kl., Acu 1/10 from SW. moving at 23 r.p.h. Inversion (1·95—2·11 Kl., 803—787 mb., 281—283°A., 100—53%). Change of lapse rate at (12·45 Kl., 184 mb., 212°A). An anticyclone extends over Northern Europe and Southern Scandinavia, while a depression is centred west of Ireland. Type VI.

548. T.=Temperature in degrees absolute. P.=Pressure in millibars. **1935.**
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) RH.=Relative Humidity as percentage.

No. of Sounding.	1051.	1054.	1055.	1056.	1057.	1058.	1059.	1060.	1061.	1062.	1065.
Date.	June 24.	June 27.	June 28.	June 29.	July 2.	July 16.	July 17.	July 19.	Aug. 9.	Aug. 17.	Oct. 4.
Station.	Kew.	Kew.	Sealand.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.
Start G.M.T.	18h. 22m.	16h. 28m.	18h. 0m.	11h. 16m.	10h. 35m.	15h. 15m.	18h. 0m.	18h. 0m.	18h. 3m.	16h. 25m.	17h. 30m.
L_t=Geopotential at Greatest Height ... (Kl.)	16·38	11·00	27·00	20·73	19·09	21·28	16·21	24·20	17·85	8·43	11·27
T_t=Corresponding Temperature ... (°A)	220	222	235	220	223	227	223	230	222	239	220
P_t=Corresponding Pressure ... ... (mb.)	97	231	19	50	64	45	99	29	77	337	196
Place of Fall	Maidenhead, Bucks.	Finkle Street, Worlingworth, Suffolk.	Armshead Werrington, Staffs.	Standon Ware, Herts.	Eccleshill, near Darwen, Lancs.	Southwell, Notts.	Teversal, Mansfield, Notts.	West Ardsley, Wakefield, Yorks.	Stowe-by-Chartley, near Stafford.	Catford, London, S.E.	Ffynnongroew, Flint.
Distance ... ... (Km.)	28	140	65	51	64	137	115	109	78	19	23
Bearing. Degrees from N.	280	48	110	26	33	97	94	58	120	99	300
Type of Balloon	Saul.	Pilot.	Stirling.	Saul.	Saul.	Saul.	Veedip.	Stirling.	Stirling.	Veedip.	Veedip.
Weight of Balloon... ... ... (Kg.)	0·51	0·08	0·59	0·53	0·50	0·50	0·37	0·55	0·59	0·43	0·41
Weight of Instrument ... ... (Kg.)	0·72	0·18	0·15	0·73	0·72	0·28	0·15	0·15	0·15	0·18	0·15
Net Free Lift ... ... (Kg.)	0·73	0·30	0·67	0·55	0·78	0·87	0·70	0·67	1·35	0·67	0·35
Estimated vertical velocity at start ... (m/s)	5·1	3·6	5·5	4·0	5·5	6·5	6·1	5·4	7·7	5·7	3·5
Geostrophic Wind— Speed ... ... (m/s.)	8	12	5	6	5	10	13	20	7	0	5
Degrees from N.	65	260	240	180	290	280	310	220	320	—	90
Wind (Anemograph)— Speed ... ... (m/s.)	5	5	4	1	3	1	3	4	4	0	4
Degrees from N.	65	200	215	160	260	270	270	170	315	—	290
Humidity at surface ... ... (%)	52	68	52	53	72	65	66	85	63	51	96
Type of Tropopause	II.	—	I.	I.	I.	III.	I.	I.	II.	—	I.
L_c=Geopotential at the tropopause ... (Kl.)	12·05	—	11·99	12·48	9·98	11·18	10·00	10·10	11·07	—	8·59
T_c=Temp. at ... ... (°A)	219	—	214	214	224	224	224	222	220	—	215
P_c=Pressure at ... ... (mb.)	193	—	200	187	262	221	258	253	226	—	300
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) ... (°A)	—	—	219	217	226	220	225	227	218	—	—
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) ... (°A)	—	—	220	219	224	222	—	226	—	—	—
Mean Temp. in Stratosphere (L_c+8 to (L_c+11) ... (°A)	—	—	223	—	—	—	—	227	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... ... (°A)	262	263	264	267	258	261	256	258	262	—	247
P_0 (Pressure at M.S.L.) ... ... (mb.)	1012	1020	1030	1027	1016	1019	1014	1000	1019	1018	989

549. **1935.**

No. of Sounding. REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

1051. *Cloudless. A ridge of high pressure extends from The Azores to Scandinavia, while depressions are centred south of Greenland and over the Bay of Biscay. Type VIII.

1054. c. Clouds Stcu. 9/10 from SW. Sounding curtailed by automatic release. Inversion (1·26—1·50 Kl., 876—850 mb., 283—284°A.), change of lapse rate at (1·81 Kl., 819 mb., 283·4°A.). A shallow depression is centred over Iceland, while pressure is high over Europe, Southern England and The Continent. Type II.

1055. bc. Clouds Cu. 1/10, Acu. 1/10, Ci. 4/10 from NW'W. moving at 8 r.p.h. Unusually high sounding. Small lapse rate (1·63—2·21 Kl., 845—787 mb., 281·2—280·3°A.). An anticyclone is centred over Southern England and France. Type XI.

1056. *b. Clouds Frcu. 2/10 from SE. A rise of temperature of 15°A. at the extreme top was ignored. Inversion (1·35—1·59 Kl., 873—848 mb., 284—285°A.). An anticyclone is situated over Northern France and the North Sea with a depression to the south of Iceland. Type XIa.

1057. *c. Clouds St. 4/10 from WSW. at about 0·6 Kl., Stcu. 3/10 Acu. and Ast. 2/10 from SW'W. moving at 9 r.p.h. Descending record used for temperature except below 2 Kl., ascending record used at 0·5 Kl. A rise of 11° A. at the extreme top was ignored. Change of lapse rate at (3·80 Kl., 630 mb., 266·7°A.), and at (4·13 Kl., 604 mb., 266°A.). A secondary to a depression over Iceland is centred off the east coast of England. Type Va.

1058. c. Clouds Cu. and Stcu. 7/10 from W'S. at about 0·8 Kl., Acu. 2/10 from SW'W. moving at 22 r.p.h. Two meteorographs sent up side by side, the data was obtained from the mean of both. A rise of temperature of 7°A. at the extreme top was ignored. Isothermal (2·86—3·45 Kl., 715—663 mb., 272°A. 91—55%). A deep depression lies over Iceland with an extension over Scandinavia and a region of high pressure to the west of the Bay of Biscay. Type Ia.

1059. c. Clouds Cu. and Stcu. 6/10 from W'S. at about 0·9 Kl., Acu. and Ast. 3/10 from W'N. moving at 17 r.p.h. Inversion (2·47—2·70 Kl., 746—724 mb., 270·5—271°A.). Isothermal (3·41—3·69 Kl., 660—637 mb., 266·5°A.). A depression with associated secondaries extends from Greenland across Scandinavia, while an anticyclone is centred west of Spain. Type I.

1060. cr_0. Clouds Frnb. 3/10 from S'W. at about 0·6 Kl., Nbst. 6/10, Acu. trace, Ci. trace from SW'S. moving at 9 r.p.h. A sudden freezing of supercooled water on the thermograph strip occurred at a temperature of 265°A. causing a sudden rise of temperature to 270°A. A depression is centred over Northern Ireland with an extension over Scandinavia. Type VII.

1061. bc. Clouds Cu. trace from NW. at about 1·1 Kl., Ci. 6/10 from W'S. moving at 16 r.p.h. Change of lapse rate at (4·27 Kl., 596 mb., 270°A., 60%). A depression is centred east of Iceland, while pressure is high over Eastern Europe and the Atlantic. Type Ia.

1062. c. Clouds Acu. 5/10 from NW., Ci. and Cicu. 2/10 from W., all clouds moving very slowly. The sounding was curtailed by an automatic release. Isothermal (5·23—5·41 Kl., 526—514 mb., 260·5°A.). A depression is centred south west of Iceland, while a ridge of high pressure extends from an anticyclone over the Atlantic to the British Isles. Type XI.

1065. $ofir_0$. Clouds Nbst. 10/10 from WNW. at about 0·4 Kl. Mean of both records used for the temperature except near the ground where a bias was made towards the ascending one. A depression is centred over South West England. Type XV.

* Meteorograph attached to air sampling apparatus—see introduction.

584

T.=Temperature in degrees absolute. P.=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) RH.=Relative Humidity as percentage.

1935.

No. of Sounding.	1066.	1068.	1069.	1070.	1071.	1072.	1073.	1074.	1075.
Date.	Oct. 7.	Oct. 14.	Oct. 15.	Oct. 16.	Oct. 17.	Oct. 17.	Oct. 17.	Oct. 18.	Oct. 18.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T.	12h. 20m.	17h. 50m.	17h. 50m.	17h. 55m.	7h. 25m.	13h. 25m.	17h. 50m.	1h. 10m.	7h. 30m.
L_t=Geopotential at Greatest Height ... ... (Kl.)	20·08	17·71	17·32	13·44	16·49	14·24	14·25	6·59	14·69
T_t=Corresponding Temperature ... ... (°A.)	220	215	214	213	212	211	209	247	216
P_t=Corresponding Pressure ... ... (mb.)	52	75	80	150	88	131	130	430	122
Place of Fall	Walcot, Wellington, Salop.	Scownslow Green, Uttoxeter, Staffs.	Burbage Moor, Hathersage, Yorks.	Carrington, Boston, Lincs.	Loudham, Notts.	New York, Lincoln.	Bulwell, Nottingham.	Sideway, Fenton, Stoke-on-Trent.	Stretton-on-Dunsmore, Rugby.
Distance ... ... (Km.)	67	85	91	197	137	166	125	62	145
Bearing. Degrees from N.	151	112	83	94	99	90	100	114	150
Type of Balloon	Saul.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.
Weight of Balloon ... ... (Kg.)	2·01	0·37	0·38	0·39	0·40	0·37	0·33	0·38	0·34
Weight of Instrument ... ... (Kg.)	1·08	0·15	0·15	0·15	0·15	0·15	0·15	0·15	0·15
Net Free Lift ... ... (Kg.)	0·67	0·70	0·70	0·70	0·70	0·87	1·05	1·05	1·05
Estimated vertical velocity at start ... ... (m/s.)	4·5	6·0	6·0	6·0	6·0	7·0	7·4	7·4	7·4
Geostrophic Wind— Speed ... ... (m/s.)	8	9	20	8	22	24	22	13	12
Degrees from N.	270	260	250	300	260	270	280	300	290
Wind (Anemograph)— Speed ... ... (m/s.)	1	1	2	2	4	10	6	9	2
Degrees from N	280	180	2	245	200	215	200	260	200
Humidity at surface ... ... (%)	71	81	79	84	79	79	79	78	76
Type of Tropopause	I.	I.	I.	—	I.	I.	I.	—	II.
L_c=Geopotential at the tropopause ... ... (Kl.)	10·31	11·38	12·74	—	11·73	12·00	13·59	—	12·07
T_c=Temp. at ... ... (°A.)	221	213	208	—	204	210	209	—	211
P_c=Pressure at ... ... (mb.)	243	210	171	—	194	190	145	—	188
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) ... ... (°A.)	222	213	—	—	212	—	—	—	—
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) ... ... (°A.)	220	—	—	—	—	—	—	—	—
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) ... ... (°A.)	—	—	—	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... ... (°A.)	254	258	261	257	255	258	257	—	257
P_o (Pressure at M.S.L.) ... ... (mb.)	1013	1025	1021	1026	1025	1023	1021	1023	1025

549. 1935.

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

No. of Sounding.

1066. *cm_o. Clouds Cu. and Stcu. 8/10 from SSW., Acu. 1/10 from SW. moving at 10 r.p.h. A rise of temperature of about 30°A. at the extreme top was ignored. Isothermal (1·94—2·46 Kl., 794—742 mb., 270°A.). A ridge of high pressure extends over the British Isles while pressure is low over Iceland, Scandinavia and the Continent. Type Va.

1068. c. Clouds Frst. and Stcu. 3/10 from W. at about 0·9 Kl., Acu. 5/10 from W'N moving at 10 r.p.h. Inversion on descent (0·87—1·12 Kl., 920—893 mb., 279·4—282°A.), inversion on ascent (1·05—1·27 Kl., 900—876 mb., 277·4—281°A., 102—54%), inversion (1·90—2.14 Kl., 810—786 mb., 277·5—278°A., 46—36%). An anticyclone lies over the Bay of Biscay with a region of low pressure between Iceland and Norway. Type II.

1069. bcv. Clouds Stcu. 5/10 from W'S at about 0·9 Kl., Acu. 1/10 from NW. moving at 10 r.p.h. Inversion on descent (4·12—4·32 Kl., 609—594 mb., 265—267°A.). Inversion on ascent (4·41—4·75 Kl., 587—561 mb., 264—265·4°A., 90—49%). Pressure is high over France while a complex low pressure system extends from Iceland to Scandinavia. Type II.

1070. bcm_o. Clouds Stcu. 4/10 from W'S. at about 1·2 Kl. Position of tropopause indefinite. Isothermal on descent (1·19—1·45 Kl., 885—855 mb., 278·5°A.). Inversion on ascent (1·35—1·45 Kl., 867—855 mb., 275—278·5°A., 94—65%), small inversion (9·56—9·77 Kl., 279—270 mb., 223—223·5°A.). Pressure distribution :—Similar to No. 1068 ; the anticyclone over France has extended westwards. Type II.

1071. c. Clouds Frst. 1/10 from WSW. at about 0·7 Kl., Ast. and Acu. 8/10 from W'N. moving at 16 r.p.h. Inversion (1·56—1·77 Kl., 844—822 mb., 275—276°A., 56—51%). Pressure distribution :—Similar to No. 1069, but a secondary is crossing the north of Scotland, moving east. Type II.

1072. c. Clouds Stcu. 1/10 at about 0·7 Kl., Ast. 6/10, Ci. 1/10 from W. moving at 12 r.p.h. Isothermal (1·33—2·12 Kl., 868—786 mb., 279°A., 60—33%), isothermal (4·35—4·67 Kl., 590—564 mb., 260·6°A., 62—49%). Pressure is high over France and the Channel, low in the region between Iceland and Scandinavia Type I.

1073. c. Clouds St. 9/10 from WSW. at about 1 Kl., Acu. trace from W. moving at 17 r.p.h Inversion on descent (1·60—1·77 Kl., 837—820 mb., 275·6—276·9°A.), inversion (2·01—2·40 Kl., 795—756 mb., 275—275·5°A., 90—82%), change of lapse rate (5·91 Kl., 475 mb., 252°A., 68%), change of lapse rate (6·31 Kl., 450 mb., 251·4°A., 69%), change of lapse rate (11·23 Kl., 214 mb., 214°A.). Pressure distribution :—Similar to No. 1071. Type I or II.

1074. c/pr_o. Clouds Cu. and Stcu. 5/10 from W'N at about 0·6 Kl., Cist. 4/10. Inversion (1·74—2·14 Kl., 821—780 mb., 268·7—271·0°A., 89—44%). Pressure is high over the Channel and Bay of Biscay, low over Scandinavia and south west of Iceland. Type I.

1075. cm_o. Clouds Stcu. 3/10 from WSW. at about 0·7 Kl., Acu. 6/10 from W. moving at 18 r.p.h. Change of lapse rate (1·21 Kl., 881 mb., 275°A., 81%), change of lapse rate (13·44 Kl., 150 mb., 209°A.). Pressure distribution :—Similar to No. 1073. Type IV.

1076. c. Clouds Frst. and Stcu. 7/10 at 0·9 Kl., Ast. 2/10. Inversion on descent (1·05—1·33 Kl., 896—866 mb., 277·9—279°A.), inversion on ascent (1·57—1·67 Kl., 840—829 mb., 276·2—277°A., 90—75%), change of lapse rate (2·79 Kl., 719 mb., 272·5°A., 44%), inversion (6·31—6·64 Kl., 450—430 mb., 251—253·1°A., 95—89%), change of lapse rate (13·01 Kl., 162 mb., 209°A.), change of lapse rate (14·43 Kl., 128 mb., 206°A.). A deep depression to the south of Iceland is moving east. Type IV.

T.=Temperature in degrees absolute. *P*.=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH*.=Relative Humidity as percentage.

No. of Sounding.	1076.	1077.	1079.	1080.	1081.	1082.	1083.	1084.
Date.	Oct. 18.	Oct. 18.	Oct. 19.	Nov. 1.	Nov. 8.	Nov. 20.	Nov. 25.	Dec. 6
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.	Sealand.
Start G.M.T.	13h. 5m.	18h. 0m.	8h. 20m.	18h. 0m.	12h. 15m.	11h. 47m.	12h. 15m.	18h. 1m.
L_t=Geopotential at Greatest Height (Kl.)	16·97	15·70	17·33	18·27	17·99	19·91	15·51	17·20
T_t=Corresponding Temperature (°A.)	218	212	224	220	226	222	219	216
P_t=Corresponding Pressure (mb.)	84	103	78	66	70	52	104	77
Place of Fall	Keyham, Leicester.	Little London, Tetford, Lincs.	Wellingore Heath, near Lincoln.	Easingwold, North Yorks.	Walgherton, near Nantwich, Cheshire.	Cold Ashby, Rugby, Northants.	Pitchford, Salop.	Kinver, Staffs.
Distance (Km.)	148	201	166	156	37	162	69	101
Bearing. Degrees from N.	115	89	94	50	124	126	165	150
Type of Balloon	Veedip.	Veedip.	Stirling.	Stirling.	Saul.	Veedip.	Poppe.	Stirling.
Weight of Balloon (Kg.)	0·35	0·40	0·63	0·56	2·07	0·43	1·70	0·56
Weight of Instrument (Kg.)	0·15	0·20	0·20	0·15	1·09	0·16	0·92	0·15
Net Free Lift (Kg.)	0·70	1·00	1·30	1·35	0·66	0·44	0·63	0·90
Estimated vertical velocity at start (m/s).	6·0	7·2	7·5	7·6	4·4	3·9	4·4	6·6
Geostrophic Wind— Speed (m/s.)	21	33	38	16	0	17	13	0
Degrees from N.	250	250	280	220	—	130	260	—
Wind (Anemograph)— Speed (m/s.)	5	5	15	2	1	2	1	1
Degrees from N.	200	200	250	135	140	90	215	135
Humidity at surface (%)	66	75	60	79	76	88	64	92
Type of Tropopause	I.	I.	II.	I.	I.	I.	I.	I.
L_c=Geopotential at the tropopause (Kl.)	12·63	13·28	9·49	9·57	7·58	10·33	11·62	10·37
T_c=Temp. at (°A.)	207	203	228	222	228	216	209	220
P_c=Pressure at (mb.)	173	155	268	264	352	237	197	228
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	—	—	220	218	224	221	—	219
(L_c+5) to (L_c+8) (°A.)	—	—	220	218	223	220	—	—
$(L_c+8$ to (L_c+11) (°A.)	—	—	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) (°A.)	259	261	251	248	247	253	254	245
P_0 (Pressure at M.S.L.) (mb.)	1021	1011	996	1008	997	999	1021	1007

549. **1935.**

No. of Sounding. REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

1077. bc. Clouds Stcu. 2/10 from S'W. at about 0·7 Kl., Acu. 5/10 from W'N moving at 18 r.p.h. Pressure distribution :—Similar to No. 1075. Type IV or V.

1079. bc. Clouds Stcu. 4/10 from SW'W. at about 0·9 Kl., Pressure distribution :—similar to No. 1075, the depression being now centred near the Orkneys. Type I.

1080. b. Clouds Frst. trace. Changes of lapse rate at (4·71 Kl., 543 mb., 250°A., 28%) ; (5·11 Kl., 514 mb., 249·5°A., 27%) ; (8·47 Kl., 313 mb., 224°A.), and (12·34 Kl., 170 mb., 219°A.). A large trough of low pressure extends from Spitzbergen to Iceland and thence to the SSW., with high pressure over Russia. Type Va.

1081. *c. Clouds Stcu. 8/10 from W. at about 1·1 Kl. The balloon floated at the highest point and a rise of about 30°A. at the extreme top was ignored. A complex low pressure area covers the British Isles and extends north-west from them. Type XIII.

1082. ozr_0. Clouds St. 10/10. A rise of temperature at the extreme top was ignored. Inversion on ascent (0·33—0·73 Kl., 959—912 mb., 280—281°A.). A depression is centred off South West Ireland with a secondary over Northern France, high pressure over Russia. Type VIIa.

1083. bcm_0. Clouds Frcu. trace from SW'S. at about 0·9 Kl., Ci. 7/10 from N'W. moving at 12 r.p.h. Inversion (1·53—2·22 Kl., 842—769 mb., 270·4—271°A.). A deep depression is centred over Iceland, while a ridge of high pressure extends over Southern England and France. Type II.

1084. bm_0. Clouds Acu. 1/10. A complex low pressure system extends over Europe and Scandinavia. Pressure is high west of Spain. Type XII.

* Meteorograph attached to air sampling apparatus—see introduction.

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1006.	1007.	1008.	1009.	1011.	1013.	1014.	1015.	1017.	1018.
Date. Station.	Jan. 25. Sealand.	Jan. 28. Sealand.	Feb. 11. Sealand.	Feb. 12. Sealand.	Feb. 14. Sealand.	Feb. 15. Sealand.	Feb. 15. Sealand.	Feb. 15. Sealand.	Feb. 16. Sealand.	Feb. 16. Sealand.
Start. (G.M.T.)	17h. 30m.	10h. 40m.	17h. 20m.	17h. 25m.	17h. 20m.	12h. 50m.	16h. 20m.	18h. 00m.	1h. 00m.	4h. 30m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES. 1935.

Pressure.	1006 *L.*	*T.*	*RH.*	1007 *L.*	*T.*	*RH.*	1008 *L.*	*T.*	*RH.*	1009 *L.*	*T.*	1011 *L.*	*T.*	*RH.*	1013 *L.*	*T.*	*RH.*	1014 *L.*	*T.*	*RH.*	1015 *L.*	*T.*	*RH.*	1017 *L.*	*T.*	*RH.*	1018 *L.*	*T.*	*RH.*
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 +	%	Kl.	°A. 200 +	%
100	...	...	...	15·80	21	...	15·61	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200	...	...	...	11·40	21	...	11·45	5	...	11·25	17	11·17	17	...	...	...	...	11·47	6	...	11·43	5	...	11·44	5	...	11·43	6	...
300	8·35	30	...	8·85	22	71	...	...	...	8·73	19	8·67	18	46	...	...	...	8·97	27	...	8·93	26	...	8·94	26	...	8·91	26	81
400	6·45	29	78	6·96	36	78	...	...	...	6·87	33	6·81	33	50	6·94	41	82	7·01	44	85	6·99	43	...	7·01	42	93	6·98	43	86
500	4·97	36	85	5·41	47	85	...	...	...	5·33	46	5·27	43	65	5·35	53	87	5·41	56	80	5·40	55	...	5·41	56	90	5·39	55	93
600	3·71	47	89	4·09	55	82	...	...	...	4·01	57	3·99	51	66	4·01	61	93	4·05	65	43	4·04	64	62	4·05	65	105	4·03	64	97
700	2·59	56	86	2·95	62	59	...	...	...	2·86	65	2·85	60	69	2·84	67	102	2·86	...	56	2·85	71	56	2·86	71	104	2·84	70	70
800	1·59	64	104	1·94	63	54	...	...	...	1·83	68	1·84	67	83	1·81	72	91	1·81	...	95	1·80	76	106	1·81	76	103	1·79	76	90
900	·69	70	104	1·05	67	89	...	...	...	·92	73	·93	73	67	·87	79	93	·86	...	...	·86	80	100	·87	80	90	·85	80	84
1000	...	...	...	·23	...	...	...	...	...	·09	...	·09	...	...	·03	...	...	·00	85	79	·01	85	79	·01	...	...	·00	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS. 1935.

Geopotentials.	1006 *P.*	*T.*	*RH.*	1007 *P.*	*T.*	*RH.*	1008 *P.*	*T.*	*RH.*	1009 *P.*	*T.*	1011 *P.*	*T.*	*RH.*	1013 *P.*	*T.*	*RH.*	1014 *P.*	*T.*	*RH.*	1015 *P.*	*T.*	*RH.*	1017 *P.*	*T.*	*RH.*	1018 *P.*	*T.*	*RH.*
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 +	%	mb.	°A. 200 +	%
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	97	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	114	22	...	111	12	...	...	...	...	...	...	...	...	...	112	13	...	...	...	...	...	...	...	110	9	...
14	...	...	...	133	21	...	131	12	...	128	16	127	17	...	...	...	...	132	13	...	...	...	...	...	...	...	130	9	...
13	...	...	...	155	20	...	154	10	...	151	16	149	17	...	...	...	...	155	13	...	153	5	...	...	...	...	153	9	...
12	...	...	...	182	22	...	182	3	...	177	17	175	17	...	...	...	...	183	9	...	181	4	...	182	7	...	181	4	...
11	...	...	...	213	20	...	...	...	...	208	16	205	17	...	...	...	...	216	8	...	215	8	...	215	7	...	215	9	...
10	...	...	...	250	16	...	...	...	...	244	14	242	12	...	...	...	...	255	18	...	253	16	...	254	16	...	253	18	...
9	...	...	...	293	21	71	...	...	...	287	17	284	15	46	...	...	...	298	27	...	297	25	...	297	25	...	296	25	81
8	316	30	59	342	29	72	...	...	...	337	24	333	23	48	342	33	78	346	36	80	345	34	...	346	34	91	345	33	83
7	367	30	68	398	36	78	...	...	...	392	31	388	31	50	397	41	82	401	44	85	399	43	...	400	42	93	399	42	86
6	428	28	80	460	43	83	...	...	...	454	41	450	40	53	457	48	86	462	51	85	460	50	...	461	51	88	460	51	90
5	497	35	85	529	50	86	...	...	...	524	49	520	44	67	525	55	87	529	59	71	528	58	69	528	59	92	527	58	94
4	575	44	88	607	56	81	...	...	...	601	57	598	51	66	601	61	93	605	66	44	602	64	62	603	65	105	602	64	98
3	662	52	84	694	62	61	...	...	...	687	65	686	59	68	685	67	101	688	...	53	687	71	54	687	70	104	686	69	65
2·5	709	57	91	742	62	43	...	...	...	733	67	733	63	67	731	69	100	733	...	73	732	73	73	732	73	104	732	72	82
2	758	61	100	794	62	52	...	...	...	782	69	783	66	77	780	71	93	781	...	95	780	76	99	780	75	103	780	75	92
1·5	810	64	105	848	65	73	...	...	...	834	68	836	69	77	831	74	90	831	...	...	830	77	105	831	77	101	830	77	93
1	865	68	107	905	68	89	...	...	...	890	72	892	72	69	885	78	95	885	...	...	884	80	102	884	80	91	884	79	86
0·5	923	72	99	965	71	...	...	...	...	949	77	951	76	67	941	...	...	941	...	...	941	82	92	941	...	...	940	81	88
Ground.	983	77	81	1028	74	90	1019	81	69	1010	82	1011	81	70	1002	85	85	1000	85	79	1000	85	79	1001	86	80	999	86	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.

552. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS. 1935.

Degrees absolute per kiloleo.

Kiloleos.	1006	1007	1008	1009	1011	1013	1014	1015	1017	1018
20 to 21	...	...	...	...	...	...	...	...	...	...
19 to 20	...	...	...	...	...	...	...	...	...	...
18 to 19	...	...	...	...	...	...	...	...	...	...
17 to 18	...	...	...	...	...	...	...	...	...	...
16 to 17	...	...	...	...	...	...	...	...	...	...
15 to 16	...	1	...	...	...	...	...	...	...	...
14 to 15	...	−1	0	...	...	...	0	...	...	0
13 to 14	...	0	−2	0	0	...	0	...	...	0
12 to 13	...	2	−7	1	0	...	−4	−1	...	−5
11 to 12	...	−2	...	−1	1	...	−1	4	0	5
10 to 11	...	−4	...	−2	−6	...	10	8	9	9
9 to 10	...	6	...	3	3	...	9	9	9	7
8 to 9	...	7	...	7	8	...	9	9	9	8
7 to 8	0	7	...	7	8	8	8	9	8	9
6 to 7	7	7	...	10	9	7	7	7	9	9
5 to 6	9	7	...	8	4	7	8	8	8	7
4 to 5	8	6	...	8	7	6	7	6	7	6
3 to 4	8	6	...	7	8	6	...	7	5	5
2·5 to 3	9	1	...	5	9	4	...	5	5	5
2 to 2·5	7	1	...	4	6	4	...	5	5	6
1·5 to 2	7	5	...	−2	6	7	...	2	5	4
1 to 1·5	7	5	...	9	7	7	...	5	6	4
0·5 to 1	9	7	...	9	8	7	...	4	6	5
Gd. to 0·5	10	6	...	10	9		...	8		9

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1019.	1022.	1023.	1024.	1025.	1026.	1028.	1030.
Date.	Feb. 16.	Feb. 16.	Feb. 16.	Feb. 17.	Feb. 22.	March 4.	March 15.	March 26.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.
Start. (G.M.T.)	7h. 0m.	16h. 5m.	18h. 0m.	7h. 0m.	12h. 15m.	10h. 20m.	12h. 33m.	17h. 20m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued.* **1935.**

Pressure.	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*
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	15·52	7	...	...	...	...	15·48	11	...	...	...	...	...	...	...	...	...	...	...	...	...	15·67	13	...
200	11·42	4	...	...	...	...	11·19	20	...	11·28	12	...	...	...	...	...	...	...	...	...	...	11·51	7	...
300	8·93	26	79	...	...	...	8·61	27	45	8·81	20	49	8·44	24	...	8·75	22	...	8·87	24	25	9·02	23	35
400	6·99	43	86	6·85	46	72	6·69	37	50	6·93	36	48	6·57	33	61	6·89	31	53	6·95	39	24	7·11	39	37
500	5·39	55	72	5·25	55	70	5·15	44	65	5·38	48	40	5·03	46	53	5·37	41	53	5·39	50	23	5·53	52	29
600	4·03	64	73	3·90	59	60	3·85	52	84	4·06	57	37	3·73	55	43	4·08	52	58	4·06	58	24	4·19	62	31
700	2·84	72	46	2·74	66	87	2·71	61	96	2·91	64	45	2·58	62	63	2·95	59	65	2·90	67	29	3·01	69	39
800	1·79	77	78	1·71	71	72	1·70	68	93	1·89	67	90	1·57	66	96	1·95	65	87	1·87	73	42	1·97	73	66
900	·84	80	88	·79	76	86	·79	75	70	·79	73	73	·67	73	...	1·04	71	96	·94	73	79	1·05	75	99
1000	...	...	...	....	...	...	...	...	...	·13	...	...	...	...	...	·21	...	...	·11	...	...	·21	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued.* **1935.**

Geopotentials.	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*
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 +	%
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	92	12	...	...	...	...	...	...	...	...	...	...	...	...	...	95	13	...
15	109	7	...	...	...	...	108	12	...	...	...	...	...	...	...	...	...	...	...	...	...	112	11	...
14	129	7	...	...	...	...	127	14	...	129	17	...	...	...	...	...	...	...	...	...	...	132	12	...
13	153	9	...	...	...	...	150	16	...	151	17	...	...	...	...	...	...	...	...	...	...	155	8	...
12	181	1	...	...	...	...	186	18	...	178	15	...	...	...	...	...	...	...	...	...	...	184	6	...
11	215	7	...	...	...	...	206	21	...	210	10	...	...	...	...	...	...	...	...	...	...	218	9	...
10	253	16	75	...	...	...	242	21	...	248	11	49	236	30	...	246	20	...	250	16	...	257	16	...
9	296	25	78	...	...	...	282	25	...	291	18	49	275	26	...	288	21	...	294	23	...	301	23	35
8	345	35	82	340	40	...	329	30	...	341	27	49	321	23	63	337	25	53	343	31	25	351	33	35
7	399	43	86	392	45	71	382	36	50	396	35	48	375	30	63	393	30	53	397	38	24	406	39	37
6	459	51	82	451	52	75	442	40	53	458	43	44	325	38	60	456	36	53	459	45	23	468	48	34
5	527	58	66	517	56	66	510	45	71	528	51	37	502	46	53	527	44	53	527	52	23	538	57	29
4	602	64	72	592	59	58	587	51	84	605	57	38	578	52	44	607	52	58	605	59	24	615	63	32
3	686	72	38	676	65	81	674	59	99	691	64	44	662	61	50	696	59	64	690	66	28	701	69	39
2·5	731	73	70	722	67	84	720	63	93	730	66	62	708	62	72	743	62	74	737	68	31	747	71	49
2	779	76	77	770	70	77	769	66	102	788	66	91	756	63	102	794	65	84	786	72	39	797	72	67
1·5	830	79	80	822	72	73	821	69	88	840	70	82	807	66	94	848	68	97	838	74	57	849	74	67
1	883	80	85	876	75	82	876	73	72	897	73	73	862	70	92	905	71	94	893	73	82	905	75	99
0·5	940	81	87	932	79	86	933	78	68	956	77	74	919	...	...	964	75	...	951	77	68	964	80	90
Ground.	998	85	76	992	84	85	992	82	73	1016	80	75	978	79	70	1026	80	71	1012	82	62	1025	84	84

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction.

552. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued.* **1935.**

Degrees absolute per kiloleo.

Kiloleos								
20 to 21	...	...	...	...	...	...	...	...
19 to 20	...	...	...	...	...	...	...	...
18 to 19	...	...	...	...	...	...	...	...
17 to 18	...	...	...	...	...	...	...	...
16 to 17	...	...	...	...	...	...	...	...
15 to 16	...	...	0	...	...	...	...	−2
14 to 15	0	...	2	...	...	...	...	1
13 to 14	2	...	2	0	...	...	...	−4
12 to 13	−8	...	2	−2	...	...	...	−2
11 to 12	6	...	3	−5	...	...	...	3
10 to 11	9	...	0	1	...	...	...	7
9 to 10	9	...	4	7	−4	1	7	7
8 to 9	9	...	5	9	−3	4	8	10
7 to 8	8	5	6	8	7	5	7	6
6 to 7	8	7	4	8	8	6	7	8
5 to 6	7	4	5	8	8	8	7	10
4 to 5	7	3	6	6	6	8	7	6
3 to 4	7	6	8	6	9	7	7	6
2·5 to 3	4	4	7	4	1	7	4	4
2 to 2·5	4	5	7	1	3	5	8	3
1·5 to 2	6	5	7	7	6	6	4	2
1 to 1·5	2	6	8	7	8	7	−3	4
0·5 to 1	3	7	8	7	9	8	9	8
Gd. to 0·5	7	10	9	6		10	10	9

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1031.	1032.	1033.	1034.	1035.	1036.	1037.	1038.	1039.
Date.	Mar. 28.	April 17.	April 29.	May 10.	May 27.	June 3.	June 5.	June 7.	June 10.
Station.	Sealand.	Sealand.	Sealand.	Kew.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.
Start. (G.M.T.)	10h. 0m.	9h. 45m.	11h. 50m.	15h. 38m.	13h. 1 m.	18h. 10m.	18h. 0m.	18h. 2m.	18h. 4m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued.* 1935.

Pressure.	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*
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	...	...	...	15·57	22	...	15·93	20	15·89	14	16·15	24	...	...	...	15·83	24	...	15·93	26	...	15·99	21	...
200	11·55	11	...	11·13	27	...	11·55	17	11·63	11	11·69	24	11·38	26	...	11·35	26	...	11·39	30	...	11·53	25	...
300	9·03	23	...	8·51	21	81	9·01	25	9·11	26	9·11	28	8·79	21	79	8·75	20	66	8·71	30	...	8·92	27	38
400	7·13	38	25	6·65	32	90	...	...	7·17	43	7·15	44	6·91	36	76	6·87	36	68	6·81	35	93	6·99	42	36
500	5·57	49	26	5·13	43	97	...	...	5·57	57	5·55	56	5·35	48	76	5·32	48	76	5·26	48	95	5·39	54	40
600	4·23	60	38	3·83	54	95	...	...	4·21	65	4·19	65	4·02	59	51	4·00	59	75	3·93	58	120	4·04	63	47
700	3·07	68	35	2·68	62	100	...	...	3·03	70	3·00	71	2·86	67	82	2·83	67	81	2·77	66	108	2·86	70	70
800	2·03	75	23	1·67	68	108	...	...	1·97	78	1·95	77	1·83	73	105	1·80	73	86	1·75	72	95	1·82	75	106
900	1·09	79	46	·75	74	95	...	...	1·03	80	·99	83	·89	80	80	·87	80	101	·81	78	96	·88	81	90
1000	·25	...	...	...	...	...	...	...	·17	...	·13	...	·03	...	...	...	...	...	...	...	...	·01	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued.* 1935.

Geopotentials.	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*
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 +	%
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39	28	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45	28	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	53	27	...	...	...	...	...	...	...
19	...	...	...	59	22	...	62	24	...	...	...	...	...	...	...	61	26	...	...	...	...	...	...	...
18	...	...	...	69	21	...	72	21	71	16	...	...	...	...	...	72	26	...	...	...	...	...	...	...
17	...	...	...	80	22	...	84	20	84	15	87	25	...	...	...	83	25	...	85	25	...	85	21	...
16	...	...	...	94	22	...	99	20	98	14	102	24	...	...	...	97	24	...	99	26	...	100	21	...
15	...	...	...	110	22	...	116	20	116	15	119	23	...	...	...	114	24	...	115	27	...	117	23	...
14	...	...	...	128	23	...	135	20	136	15	140	23	...	...	...	133	25	...	134	28	...	136	26	...
13	...	...	...	150	24	...	159	20	160	15	163	24	...	...	...	155	26	...	156	28	...	159	25	...
12	186	15	...	175	26	...	186	18	188	12	191	24	182	25	...	181	26	...	182	30	...	186	25	...
11	219	10	...	204	26	...	219	16	221	11	223	21	212	25	...	211	26	...	212	31	...	217	23	...
10	258	17	...	238	25	...	257	20	261	17	261	21	248	22	...	246	24	...	247	31	...	254	23	...
9	302	23	...	278	23	78	300	25	305	27	305	29	290	20	...	288	19	65	287	30	...	296	26	...
8	352	31	25	325	22	84	...	...	355	36	354	37	339	27	80	337	26	67	334	28	90	345	34	39
7	407	38	25	379	29	89	...	...	410	44	408	45	394	35	76	392	34	68	388	33	93	399	42	36
6	470	46	25	440	37	93	...	...	471	53	470	52	456	43	85	453	43	72	450	42	94	460	50	37
5	541	54	28	508	44	98	...	...	540	59	539	59	524	51	74	523	50	78	519	50	104	528	57	38
4	619	61	42	585	53	96	...	...	616	66	615	66	601	59	51	600	59	75	595	58	120	603	63	48
3	706	68	31	671	59	94	...	...	703	71	700	71	687	66	83	685	65	77	679	64	111	687	69	73
2·5	752	72	20	717	63	106	...	...	748	74	745	74	733	69	94	731	69	86	725	68	105	733	72	106
2	802	75	23	765	66	108	...	...	798	77	794	77	782	72	107	779	72	87	773	71	95	781	74	107
1·5	854	78	31	817	69	106	...	...	849	81	845	80	834	75	95	830	75	89	824	74	97	832	77	105
1	910	78	55	872	72	104	...	...	903	81	899	83	887	79	82	884	79	102	878	77	102	886	80	94
0·5	969	77	75	928	76	84	...	...	960	86	956	86	944	82	83	941	83	86	935	81	84	942	...	81
Ground.	1030	82	70	988	81	66	1027	84	1019	90	1015	92	1003	85	90	999	88	67	994	87	63	1001	90	72

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction.

552 LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued.* 1935.

Degrees absolute per kiloleo.

Kiloleos.	1031	1032	1033	1034	1035	1036	1037	1038	1039
20 to 21	...	...	...	...	...	...	−1	...	...
19 to 20	...	...	...	...	...	...	−1	...	...
18 to 19	...	−1	−3	0	...	...	0	...	...
17 to 18	...	1	−1	−1	...	...	−1	...	...
16 to 17	...	0	0	−1	−1	...	−1	1	0
15 to 16	...	0	0	0	−1	...	0	1	2
14 to 15	...	1	0	0	0	...	1	0	3
13 to 14	...	1	0	0	1	...	1	0	0
12 to 13	...	2	−2	−2	0	...	0	2	0
11 to 12	−5	0	−2	−1	−3	0	−1	1	−2
10 to 11	7	−1	4	6	0	−3	−1	0	0
9 to 10	7	−2	5	10	8	−2	−5	−1	3
8 to 9	8	−1	...	9	9	7	7	−2	8
7 to 8	7	7	...	8	8	8	8	5	8
6 to 7	8	8	...	9	7	8	9	9	7
5 to 6	8	7	...	6	7	8	7	8	8
4 to 5	7	8	...	7	7	7	8	8	6
3 to 4	7	7	...	5	5	7	7	7	6
2·5 to 3	7	7	...	7	6	7	7	6	5
2 to 2·5	6	6	...	7	6	6	6	6	4
1·5 to 2	6	6	...	7	5	6	7	6	7
1 to 1·5	0	5	...	−1	7	8	8	6	7
0·5 to 1	−2	9	...	10	7	6	7	9	9
Gd. to 0·5	11	11	...	10	11	6	11	13	

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1041.	1042.	1044.	1045.	1046.	1047.	1048.	1049.	1050.
Date.	June 11.	June 12.	June 13.	June 13.	June 14.	June 15.	June 17.	June 19.	June 21.
Station.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start. (G.M.T.)	18h. 0m.	7h. 40m.	7h. 40m.	18h. 5m.	7h. 30m.	7h. 40m.	18h. 3m.	18h. 3m.	18h. 2m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued.* 1935.

Pressure.	1041 *L.*	*T.*	*RH.*	1042 *L.*	*T.*	1044 *L.*	*T.*	*RH.*	1045 *L.*	*T.*	*RH.*	1046 *L.*	*T.*	*RH.*	1047 *L.*	*T.*	*RH.*	1048 *L.*	*T.*	*RH.*	1049 *L.*	*T.*	*RH.*	1050 *L.*	*T.*	*RH.*
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	16·02	22	...	15·97	27	15·85	25	...	...	...	...	15·95	26	...	16·06	28	...	16·04	24	...	16·11	19	...	16·17	17	...
200	11·51	30	...	11·44	29	11·36	27	...	11·47	26	...	11·43	28	...	11·49	32	...	11·61	20	...	11·77	14	...	11·93	15	...
300	8·83	28	66	8·79	25	8·73	25	49	8·87	26	65	8·81	24	53	8·83	26	...	9·02	29	85	9·17	32	...	9·32	35	38
400	6·93	37	73	6·89	38	6·85	34	50	6·95	39	66	6·91	37	52	6·92	38	39	7·07	44	85	7·19	47	68	7·31	51	40
500	5·37	50	91	5·33	49	5·31	45	52	5·39	49	91	5·35	48	57	5·36	50	45	5·46	56	68	5·57	59	71	5·66	63	43
600	4·03	60	102	4·00	58	4·00	55	55	4·06	59	74	4·03	58	50	4·02	60	60	4·10	63	44	4·19	67	75	4·26	71	36
700	2·87	68	100	2·84	66	2·85	64	65	2·89	67	63	2·87	66	56	2·86	66	68	2·92	69	64	3·00	73	73	3·05	77	54
800	1·83	72	106	1·81	72	1·83	69	83	1·86	72	79	1·83	72	50	1·83	72	88	1·89	73	92	1·95	79	68	1·97	82	101
900	·91	78	84	·88	77	·91	76	...	·93	79	58	·91	77	88	·89	79	102	·95	80	82	·99	83	...	1·01	87	84
1000	·05	...	...	·03	...	·06	...	...	·07	...	50	·05	...	...	·04	...	...	·09	...	...	·13	...	...	·13	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued.* 1935.

Geopotentials.	1041 *P.*	*T.*	*RH.*	1042 *P.*	*T.*	1044 *P.*	*T.*	*RH.*	1045 *P.*	*T.*	*RH.*	1046 *P.*	*T.*	*RH.*	1047 *P.*	*T.*	*RH.*	1048 *P.*	*T.*	*RH.*	1049 *P.*	*T.*	*RH.*	1050 *P.*	*T.*	*RH.*
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 +	%
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	40	29	...	...	...	...	...	...	...	...	...	...
21	...	...	...	46	27	...	...	...	...	...	...	...	...	...	47	28	...	...	...	...	...	...	...	...	...	...
20	...	...	...	54	25	52	26	...	...	...	...	...	...	...	55	28	...	...	...	...	...	...	...	...	...	...
19	63	21	...	63	25	61	24	...	...	...	...	...	...	...	64	28	...	...	...	...	...	...	...	...	...	...
18	73	21	...	73	26	71	23	...	...	...	...	73	25	...	74	27	...	74	24	...	...	...	...	...	...	...
17	86	21	...	85	26	83	23	...	...	...	...	85	26	...	87	28	...	86	25	...	...	...	...	...	...	...
16	100	22	...	99	27	98	23	...	...	...	...	99	26	...	101	28	...	101	24	...	102	19	...	103	17	...
15	117	24	...	116	27	114	25	...	116	27	...	115	25	...	117	28	...	118	23	...	119	19	...	121	14	...
14	137	26	...	135	28	133	25	...	135	27	...	135	27	...	137	29	...	137	23	...	140	19	...	142	10	...
13	159	27	...	158	28	155	26	...	158	27	...	157	27	...	159	30	...	161	23	...	164	19	...	168	11	...
12	186	29	...	184	29	181	26	...	184	27	...	183	28	...	185	31	...	188	22	...	193	16	...	198	15	...
11	216	30	...	214	29	211	27	...	215	25	...	213	28	...	215	31	...	220	19	...	226	19	...	232	22	...
10	251	31	...	249	28	247	27	43	251	20	...	249	25	...	251	29	...	258	24	...	264	25	...	271	30	...
9	293	29	65	291	25	288	25	47	294	25	65	291	24	53	292	26	...	301	29	85	308	33	...	314	38	38
8	341	28	69	339	29	336	27	52	342	32	62	339	28	52	341	30	36	349	37	88	356	41	65	363	46	36
7	396	37	71	394	37	391	33	51	397	38	66	395	36	52	395	38	39	403	45	85	411	49	68	417	53	43
6	457	45	83	455	44	453	41	50	458	45	81	456	44	56	457	45	42	464	52	78	472	56	70	478	61	42
5	526	53	97	524	51	522	47	53	527	52	87	524	50	56	525	53	47	532	59	58	540	62	73	545	67	38
4	603	60	102	601	58	600	55	55	604	60	73	602	58	49	601	60	60	608	64	43	616	68	76	620	73	30
3	688	67	100	686	65	686	63	60	690	66	64	688	65	53	686	65	72	693	69	60	700	73	73	705	78	57
2·5	734	69	106	732	68	732	66	71	736	68	71	733	69	56	732	69	55	739	69	103	745	75	70	750	81	57
2	783	71	108	781	71	782	68	106	786	70	79	783	72	52	782	72	76	788	73	90	794	78	68	797	82	80
1·5	834	74	100	833	74	834	72	81	837	75	76	834	74	51	833	74	94	840	76	91	845	81	66	847	83	86
1	889	78	87	887	76	889	76	...	891	79	60	889	76	84	888	78	96	894	80	84	899	83	...	902	87	84
0·5	946	80	91	944	...	946	...	...	949	83	53	947	81	80	945	...	91	950	...	...	956	84	...	957	91	74
Ground.	1006	84	98	1004	84	1007	86	73	1008	90	49	1006	87	69	1004	87	69	1010	89	72	1015	88	94	1015	95	78

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction.

552. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued.* 1935.

Degrees absolute per kiloleo.

Kiloleos.	1041	1042	1044	1045	1046	1047	1048	1049	1050
20 to 21	...	−2	...	...	...	0	...	...	...
19 to 20	...	0	−2	...	...	0	...	...	...
18 to 19	1	1	−1	...	...	−1	...	...	...
17 to 18	0	0	0	...	1	1	1	...	...
16 to 17	1	1	0	...	0	0	−1	...	...
15 to 16	2	0	−2	...	−1	0	−1	0	−3
14 to 15	2	1	0	0	2	1	−1	0	−5
13 to 14	1	0	0	0	0	1	0	0	2
12 to 13	2	0	1	0	1	1	1	−3	4
11 to 12	1	0	−1	−2	0	0	−3	3	7
10 to 11	−2	−1	0	−5	−3	−2	4	6	8
9 to 10	−2	−3	−2	5	−1	−3	6	8	8
8 to 9	0	5	2	7	5	4	8	8	8
7 to 8	8	7	6	6	8	8	8	8	7
6 to 7	8	7	8	6	7	8	7	7	7
5 to 6	8	7	6	8	7	8	7	6	7
5 to 5	7	7	8	8	8	7	5	6	6
3 to 4	7	6	8	6	7	5	5	5	4
2·5 to 3	3	7	5	4	6	8	0	5	6
2 to 2·5	5	6	6	4	7	5	7	7	3
1·5 to 2	6	5	6	9	4	7	7	6	2
1 to 1·5	7	4	8	8	4	7	7	4	8
0·5 to 1	6	8	10	9	9	9	9	2	8
Gd. to 0·5	7			14	13			6	8

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1051.	1054.	1055.	1056.	1057.	1058.	1059.	1060.	1061.	1062.	1065.
Date. Station.	June 24. Kew.	June 27. Kew.	June 28. Sealand.	June 29. Kew.	July 2. Sealand.	July 16. Sealand.	July 17. Sealand.	July 19. Sealand.	Aug. 9. Sealand.	Aug. 17. Kew.	Oct. 4. Sealand.
Start. (G.M.T.)	18h. 22m.	16h. 28m.	18h. 0m.	11h. 16m.	10h. 35m.	15h. 15m.	18h. 0m.	18h. 0m.	18h. 3m.	16h. 25m.	17h. 30m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*contineed.* **1935.**

Pressure.	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*L.*	*T.*	*RH.*
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 +	%	Kl.	°A 200 +	Kl.	°A 200 +	%
100	16·19	20	...	...	16·30	21	16·37	17	16·22	24	16·23	21	...	16·13	23	16·13	26	16·19	19	...	...	...	...	...	...
200	11·82	20	...	...	11·99	14	12·07	16	11·73	26	11·84	23	...	11·65	27	11·61	27	11·85	19	...	...	...	11·15	20	...
300	9·21	30	9·30	34	9·39	34	9·45	36	9·11	30	9·21	33	...	9·03	29	9·00	29	9·25	34	...	...	...	8·59	15	...
400	7·25	46	7·29	49	7·39	50	7·43	52	7·15	44	7·23	45	27	7·08	42	7·04	45	7·25	49	66	7·24	47	6·73	32	...
500	5·63	59	5·66	61	5·74	62	5·77	64	5·55	56	5·61	59	31	5·49	54	5·43	57	5·61	62	54	5·61	59	5·20	46	...
600	4·25	68	4·27	69	4·35	69	4·37	72	4·18	66	4·23	68	39	4·13	64	4·07	65	4·22	70	65	4·24	67	3·88	57	...
700	3·03	77	3·07	76	3·14	76	3·15	79	2·99	72	3·03	72	87	2·96	70	2·87	72	3·02	73	68	3·05	73	2·72	66	...
800	1·97	82	2·00	82	2·07	81	2·07	82	1·94	77	1·97	79	91	1·92	74	1·82	79	1·97	78	65	1·99	80	1·69	72	98
900	·99	91	1·04	84	1·12	84	1·11	86	·99	83	1·03	83	94	·98	81	·87	84	1·02	83	73	1·03	87	·76	78	101
1000	·11	...	·17	91	·25	...	·23	...	·13	...	·16	...	...	·11	...	·00	88	·15	...	...	·15	94	...	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued.* **1935.**

1061

Geopotentials.	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*RH.*
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 +	%	mb.	°A 200 +	mb.	°A 200 +	
27	...	...	...	...	19	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	22	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	26	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	30	26	...	...	...	...	...	...	...	...	...	30	30	...	...	...	...	...	...	...	...
23	...	...	...	...	35	25	...	...	...	...	...	...	...	...	...	35	28	...	...	...	...	...	...	...	...
22	...	...	...	...	41	24	...	...	...	...	...	...	...	...	...	41	28	...	...	...	...	...	...	...	...
21	...	...	...	...	48	23	...	...	...	...	47	26	...	...	...	47	27	...	...	...	...	...	...	...	...
20	...	...	...	...	56	22	56	20	...	...	55	25	...	...	...	55	27	...	...	...	...	...	...	...	...
19	...	...	...	...	65	21	66	20	65	23	65	24	...	...	...	64	27	...	...	...	...	...	...	...	...
18	...	...	...	...	76	20	77	18	76	23	76	22	...	...	...	75	26	...	...	...	...	...	...	...	...
17	...	...	...	...	89	19	90	17	89	23	89	21	...	...	...	87	26	88	20	...	...	...	...	...	...
16	103	20	...	...	105	21	~~116~~	15	103	24	104	20	...	102	23	102	26	103	19	...	...	...	...	...	...
15	121	18	...	...	123	18	125	17	121	24	122	19	...	119	23	119	26	121	18	...	...	...	...	...	...
14	141	20	...	...	145	17	146	18	141	26	143	20	...	139	24	139	26	142	18	...	...	...	...	...	...
13	166	20	...	...	170	16	172	15	165	26	167	22	...	163	27	162	27	167	17	...	...	...	...	...	...
12	194	19	...	...	199	14	202	17	192	26	195	23	...	190	27	188	28	195	19	...	...	...	...	...	...
11	227	22	231	22	234	21	237	23	224	26	227	25	...	221	27	220	26	229	20	...	...	...	205	20	...
10	266	25	270	29	273	29	276	31	261	24	265	28	...	258	24	257	22	267	27	...	...	...	240	22	...
9	309	31	313	36	317	37	320	40	305	30	309	34	...	301	29	300	29	311	36	75	...	...	281	19	...
8	359	39	362	44	367	46	369	48	354	38	358	39	27	350	36	348	37	360	44	69	358	42	329	19	...
7	414	48	417	51	422	53	424	55	408	45	413	47	28	405	43	402	45	414	51	64	413	49	384	29	...
6	475	56	478	59	483	60	485	62	470	53	475	56	30	466	50	463	53	474	59	56	475	56	446	39	...
5	544	64	545	65	551	66	553	69	538	60	542	63	32	535	58	530	60	542	64	53	542	62	515	48	...
4	619	70	621	70	628	71	629	75	614	66	618	69	41	611	65	605	66	617	70	69	619	69	591	57	...
3	703	77	706	76	712	77	713	79	700	72	703	72	90	696	69	689	72	702	73	67	704	74	674	64	...
2·5	748	80	751	79	758	80	758	81	745	75	749	75	89	742	71	734	74	747	76	65	750	78	720	67	105
2	796	82	800	82	807	81	807	83	794	77	797	79	91	792	74	781	77	796	78	65	798	80	768	72	101
1·5	846	87	850	84	858	82	858	84	845	79	849	80	105	843	78	832	81	847	80	76	849	83	819	73	93
1	900	91	904	85	914	85	912	87	900	83	903	83	93	897	81	885	83	902	83	72	902	87	873	76	85
0·5	954	95	961	88	970	89	968	92	956	87	959	86	75	954	85	940	86	959	86	68	958	91	930	79	104
Ground.	1011	99	1019	92	1029	94	1027	97	1015	92	1019	91	65	1013	89	1000	88	1018	92	63	1017	95	988	84	96

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction.

552 LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued.* **1935.**

Degrees absolute per kiloleo.

Kiloleos.	1051	1054	1055	1056	1057	1058	1059	1060	1061	1062	1065
20 to 21	...	...	−1	...	...	−1	...	0	...	...	...
19 to 20	...	...	−1	0	...	−1	...	0	...	...	...
18 to 19	...	...	−1	−2	0	−2	...	1	...	...	...
17 to 18	...	...	−1	−1	0	−1	...	0	...	...	...
16 to 17	...	...	2	−2	−1	−1	...	0	−1	...	...
15 to 16	−2	...	−3	2	0	−1	0	0	−1	...	...
14 to 15	2	...	−1	1	2	1	1	0	0	...	...
13 to 14	0	...	−1	−2	0	2	3	1	−1	...	...
12 to 13	−1	...	−2	1	0	1	0	1	2	...	...
11 to 12	2	...	7	6	0	2	0	−2	1	...	...
10 to 11	4	7	7	8	−2	3	−3	−4	7	...	1
9 to 10	6	7	9	9	6	6	5	7	9	...	−3
8 to 9	8	8	8	8	8	5	7	8	7	...	0
7 to 8	9	7	8	7	7	8	7	8	8	7	10
6 to 7	8	8	7	7	8	9	7	8	8	7	10
5 to 6	8	6	6	7	7	7	8	7	5	6	9
4 to 5	6	5	5	6	6	6	7	6	6	7	9
3 to 4	7	6	6	4	5	3	4	6	3	5	7
2·5 to 3	6	6	6	2	6	6	2	4	4	8	5
2 to 2·5	4	6	2	4	6	8	6	7	4	5	11
1·5 to 2	9	4	1	3	3	2	8	6	5	6	2
1 to 1·5	9	1	7	6	8	6	7	6	6	7	6
0·5 to 1	8	7	9	9	8	6	8	5	6	8	6
Gd. to 0·5	8	9	8	11	9	10	7	4	11	10	10

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1066.	1068.	1069.	1070.	1071.	1072.	1073.	1074.	1075.
Date. Station.	Oct. 7. Sealand.	Oct. 14. Sealand.	Oct. 15. Sealand.	Oct. 16. Sealand.	Oct. 17. Sealand.	Oct. 17. Sealand.	Oct. 17. Sealand.	Oct. 18. Sealand.	Oct. 18. Sealand.
Start. (G.M.T.)	12h. 20m.	17h. 50m.	17h. 50m.	17h. 55m.	7h. 25m.	13h. 25m.	17h. 50m.	1h. 10m.	7h. 30m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued*. **1935.**

Pressure.	*L.*	*T.*	*–L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*
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	15·97	20	15·93	13	...	15·97	8	...	...	...	...	15·71	14	...	...	...	...	...	...	...	...	...	...	...	...	...
200	11·55	23	11·68	13	...	11·79	11	...	11·67	17	...	11·54	5	...	11·69	11	...	11·65	13	...	...	...	...	11·71	12	...
300	8·95	29	9·13	28	63	9·23	32	...	9·09	26	...	9·05	25	54	9·11	30	68	9·10	28	69	...	...	...	9·13	32	71
400	7·00	43	7·19	43	65	7·23	48	32	7·17	42	32	7·13	41	51	7·15	43	66	7·15	44	70	...	...	...	7·15	46	66
500	5·43	51	5·59	54	47	5·61	58	38	5·58	54	33	5·55	54	38	5·57	55	55	5·55	54	68	5·51	55	46	5·53	55	80
600	4·08	61	4·24	64	33	4·24	66	94	4·22	64	40	4·19	61	52	4·21	61	60	4·19	63	71	4·15	62	50	4·18	62	90
700	2·91	68	3·05	72	36	3·05	74	82	3·03	70	37	3·02	69	52	3·03	71	44	3·01	71	66	2·98	68	27	3·01	68	84
800	1·88	70	1·99	78	43	1·99	80	86	1·99	76	44	1·98	75	52	1·98	79	33	1·97	75	91	1·95	71	54	1·97	74	36
900	·95	76	1·05	79	102	1·03	84	79	1·06	78	89	1·05	77	59	1·03	79	67	1·03	80	91	1·03	74	89	1·05	76	95
1000	·11	...	·20	...	...	·17	...	...	·21	...	...	·21	...	...	·19	...	...	·17	...	71	·19	...	...	·20	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued*. **1935.**

Geopotentials.	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*
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 +	%
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	53	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	62	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	72	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	85	20	84	16	...	84	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	99	20	99	13	...	100	8	...	...	...	...	95	13	...	...	...	...	...	...	...	...	...	...	...	...	...
15	116	21	116	10	...	118	8	...	...	...	...	112	13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	136	21	137	14	...	139	11	...	...	...	...	132	12	...	136	10	...	135	9	...	...	...	...	137	11	...
13	159	22	161	16	...	164	11	...	161	14	...	156	7	...	161	11	...	160	10	...	...	...	...	161	10	...
12	187	23	190	15	...	193	10	...	189	16	...	185	5	...	190	10	...	189	12	...	...	...	...	190	11	...
11	218	22	223	14	...	227	16	...	223	19	...	219	8	...	223	16	...	222	15	...	...	...	...	224	17	...
10	255	23	262	21	65	266	25	...	261	22	...	258	17	...	262	24	...	261	22	...	...	...	...	262	25	...
9	298	29	306	29	63	310	34	27	305	26	...	302	26	54	305	31	68	304	29	69	...	...	...	305	33	71
8	346	35	355	38	66	359	43	29	354	35	31	352	34	53	354	37	67	353	37	66	...	...	...	354	40	74
7	400	43	411	45	63	413	49	34	410	43	32	407	42	50	409	44	66	408	45	70	...	...	...	408	47	66
6	461	47	472	50	52	474	56	39	472	51	33	469	50	40	471	51	59	469	52	69	467	51	43	469	53	75
5	530	54	542	59	41	543	63	40	541	60	35	538	58	35	540	59	56	538	57	72	536	58	50	537	58	85
4	606	61	619	66	33	619	67	80	617	65	41	616	62	57	617	63	58	615	64	72	612	63	47	614	63	91
3	692	67	705	72	37	704	74	82	703	70	37	702	70	52	703	71	43	701	71	66	698	68	27	701	68	84
2·5	738	70	750	75	33	750	77	68	750	73	36	748	72	59	749	76	36	746	75	78	744	70	35	746	70	63
2	788	70	800	78	43	799	80	85	799	76	44	798	75	53	798	79	32	796	75	91	794	71	52	796	73	36
1·5	840	73	851	80	49	850	82	93	850	78	53	850	75	57	849	79	60	847	79	99	847	71	85	848	75	50
1	895	76	906	79	100	904	84	78	906	78	88	906	78	60	904	80	70	903	80	90	903	74	88	904	76	96
0·5	952	80	964	82	81	961	...	82	964	81	78	964	79	80	962	...	...	960	82	79	962	78	81	963	...	...
Ground.	1012	87	1024	85	81	1020	88	79	1025	84	84	1025	83	79	1022	87	79	1020	86	79	1023	84	78	1024	83	76

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction.

552 LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued*. **1935.**

Degrees absolute per kiloleo.

Kiloleos.	1066.	1068.	1069.	1070.	1071.	1072.	1073.	1074.	1075.
20 to 21	...	...	...	...	...	...	...	...	...
19 to 20	0	...	...	...	...	...	...	...	...
18 to 19	−1	...	...	...	...	...	...	...	...
17 to 18	0	...	...	...	...	...	...	...	...
16 to 17	0	−3	−3	...	...	...	...	...	...
15 to 16	−1	−3	0	...	0	...	...	...	...
14 to 15	0	4	3	...	−1	...	...	...	...
13 to 14	1	2	0	...	−5	1	1	...	−1
12 to 13	1	−1	−1	2	−2	−1	2	...	1
11 to 12	−1	−1	6	3	3	6	3	...	6
10 to 11	1	7	9	3	8	8	7	...	8
9 to 10	5	8	9	4	9	7	7	...	8
8 to 9	7	9	9	9	9	6	8	...	7
7 to 8	7	7	6	8	8	8	8	...	7
6 to 7	5	5	7	8	8	7	6	...	6
5 to 6	7	9	7	9	8	8	6	7	5
4 to 5	7	7	4	5	4	3	7	5	5
3 to 4	6	6	8	5	8	8	7	5	5
2·5 to 3	5	5	6	6	4	10	9	4	5
2 to 2·5	1	6	4	6	6	7	0	2	6
1·5 to 2	5	4	4	4	1	0	8	0	2
1 to 1·5	6	−2	5	0	5	0	1	7	3
0·5 to 1	10	6	} 4	5	3	} 7	5	7	} 7
Gd. to 0·5	13	8		6	9		9	11	

T.=Temperature in degrees absolute. *P.*=Pressure in millibars.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH.*=Relative Humidity as percentage.

No.	1076.	1077.	1079.	1080.	1081.	1082.	1083.	1084.
Date. Station.	Oct. 18. Sealand.	Oct. 18. Sealand.	Oct. 19. Sealand.	Nov. 1. Sealand.	Nov. 8. Sealand.	Nov. 20. Kew.	Nov. 25. Sealand.	Dec. 6. Sealand.
Start. (G.M.T.)	13h. 5m.	18h. 0m.	8h. 20m.	18h. 0m.	12h. 15m.	11h. 47m.	12h. 15m.	18h. 1m.

GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued.*

550. **1935.**

Pressure.	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*RH.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*L.*	*T.*	*RH.*
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	15·89	10	...	...	...	...	15·77	18	...	15·66	18	...	15·69	22	15·78	19	...	...	15·57	17	...
200	11·76	12	...	11·77	13	...	11·41	25	...	11·33	19	...	11·25	24	11·39	23	11·53	9	11·21	21	...
300	9·17	34	82	9·17	34	41	8·75	31	40	8·75	23	32	8·63	28	8·83	25	8·99	27	8·63	25	51
400	7·17	49	83	7·17	50	42	6·81	41	40	6·85	37	30	6·74	32	6·91	42	7·06	42	6·73	34	53
500	5·55	55	88	5·53	59	45	5·23	52	47	5·31	48	27	5·22	44	5·33	53	5·47	55	5·21	43	59
600	4·19	64	77	4·16	66	51	3·90	56	61	3·99	54	29	3·91	56	3·97	62	4·12	60	3·91	52	65
700	3·01	72	45	2·97	73	60	2·75	62	60	2·85	62	34	2·77	64	2·81	68	2·95	66	2·79	60	92
800	1·96	75	73	1·91	78	91	1·73	68	86	1·83	70	46	1·74	70	1·77	74	1·92	70	1·78	66	87
900	1·02	79	96	·95	83	77	·81	75	70	·91	75	73	·82	75	·83	79	1·01	73	·87	70	89
1000	·17	...	...	·09	...	...	...	...	...	·07	...	...	...	...	...	...	·17	...	·05	...	...

PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued.*

551. **1935.**

Geopotentials.	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*RH.*
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 +	%
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60	21	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	69	20	...	...	...	70	21	...	...	...	...	...
17	...	...	...	...	...	...	82	23	...	81	20	...	82	24	82	20	...	...	79	16	...
16	98	11	...	...	...	...	96	18	...	95	17	...	95	22	97	19	...	...	93	18	...
15	116	8	...	116	6	...	113	16	...	111	18	...	111	22	113	18	113	18	109	17	...
14	137	6	...	137	14	...	133	17	...	130	17	...	130	24	133	19	133	15	129	19	...
13	162	9	...	163	13	...	156	20	...	153	16	...	152	24	156	21	157	12	151	21	...
12	192	10	...	192	11	...	182	24	...	179	19	...	178	23	182	25	185	9	176	21	...
11	226	18	...	226	19	...	213	26	...	211	19	...	208	24	213	20	218	12	207	21	...
10	264	26	...	264	27	...	248	28	...	247	23	...	243	24	250	17	256	19	242	21	...
9	307	35	82	307	35	...	289	29	40	289	23	...	283	27	292	23	299	27	283	23	...
8	355	43	85	355	44	41	336	34	40	337	28	32	330	29	341	32	348	35	330	27	51
7	409	50	82	409	50	42	389	39	40	391	36	30	384	31	395	41	403	43	384	32	53
6	470	52	92	469	56	49	449	47	42	453	43	29	446	37	455	49	464	50	446	37	54
5	538	59	85	537	62	48	516	53	50	522	50	27	516	46	523	56	533	57	515	44	61
4	615	65	73	612	67	56	592	56	61	599	54	29	593	55	598	62	609	61	593	52	66
3	701	72	45	696	72	57	677	61	59	686	61	33	679	62	682	67	696	66	680	58	99
2·5	746	74	57	742	75	79	722	64	63	732	65	38	724	66	728	70	742	69	727	62	82
2	796	75	74	790	77	94	772	67	78	782	68	44	773	69	777	72	792	70	777	65	89
1·5	847	77	95	841	80	81	823	69	85	834	71	57	825	71	828	75	845	70	829	67	84
1	902	79	96	895	83	77	878	73	77	889	74	73	879	73	882	78	901	73	885	70	88
0·5	960	...	...	951	...	...	935	78	62	947	78	75	937	77	939	79	959	...	944	72	89
Ground.	1020	87	66	1011	86	75	996	84	60	1007	80	79	997	82	998	83	1020	83	1006	74	92

Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction.

LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued.*

552 Degrees absolute per kiloleo. **1935.**

Kiloleos.								
20 to 21	...	...	...	...	...	...	...	...
19 to 20	...	...	...	...	...	0	...	...
18 to 19	...	...	...	...	...	−1	...	...
17 to 18	...	...	...	−1	...	−1	...	...
16 to 17	...	...	−4	−2	−2	−1	...	2
15 to 16	−3	...	−2	1	0	0	...	−1
14 to 15	−2	8	1	−1	1	1	−3	2
13 to 14	3	−1	3	−1	0	2	−3	2
12 to 13	2	−3	3	3	0	4	−3	0
11 to 12	6	8	2	0	−1	−5	3	0
10 to 11	8	8	2	4	0	−3	7	0
9 to 10	9	8	1	0	3	6	8	2
8 to 9	8	8	4	5	2	9	8	3
7 to 8	7	7	5	8	1	9	8	6
6 to 7	2	6	8	7	7	8	8	4
5 to 6	7	6	6	7	9	7	7	8
4 to 5	6	5	3	4	9	6	3	7
3 to 4	7	5	5	7	7	5	5	6
2·5 to 3	4	5	7	8	8	5	7	8
2 to 2·5	3	4	6	6	5	5	2	5
1·5 to 2	5	6	4	7	7	6	0	5
1 to 1·5	2	6	8	5	4	5	6	5
0·5 to 1	8	3	11	7	8	3	10	5
Gd. to 0·5			11	5	10	7		4