M.O. 360

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Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

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

There also exists a Geophysical Memoir No80 1949 "Hourly ranges of the magnetic elements, during the polar year 1932-3, at the Observatories of Lerwick and Eskdalemuir."
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PREFACE.

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

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

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

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

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

The present volume is the eleventh issue of the Observatories' Year Book. It contains geophysical data for Lerwick, Eskdalemuir, Cahirciveen and Richmond, meteorological data for Aberdeen, Eskdalemuir, Cahirciveen and Richmond, 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.

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METEOROLOGY.

RICHMOND (KEW OBSERVATORY)—*continued.*

ERRATA IN PREVIOUS VOLUMES.

Year Book, 1924.

P. 176. Table 219.—March 24th. N. component at 10h. *For* 1049 *read* 1000.

P. 177. Table 221.—March 2nd. V. component at 16h. *For* 466 *read* 946.

Year Book, 1925.

P. 182. Table 214.—January 24th. N. component at 15h. *For* 0126 *read* 1026.

LERWICK DECLINATION SEE ERRATA 1962 O.Y.B.

	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	11·4†
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.

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, Cahirciveen, Richmond 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, Cahirciveen, Richmond 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 1901–1930 in the cases of Aberdeen, Cahirciveen and Richmond, and for the period 1910–1930 in the case of Eskdalemuir are published in *Averages of Temperature 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, Cahirciveen and Richmond 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. 8.

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, 2h 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 Richmond 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 Cahirciveen, 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 Cahirciveen and Richmond 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.

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 for Eskdalemuir, Richmond and Cahirciveen which appear in this volume are derived from the records of Dines tube anemographs, a description of which will be found in the *Meteorological Observer's Handbook*. In the case of Aberdeen, where building operations have seriously impaired the exposure of the tube anemograph, data from the Robinson cup anemograph, adjusted as explained in the sectional introduction, have again been printed for 1932. At Eskdalemuir records of tube anemographs 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 Richmond a new Dines tube anemograph, 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 Cahirciveen (Valentia Observatory) a new Dines tube anemograph, 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. 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 tube anemographs 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 tube anemographs, expressed as percentages of the corresponding values recorded by the cup anemographs :—

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

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

Details in regard to the comparison of the new and old tube anemographs at Richmond 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 charge 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:—

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.

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

† See Note, p. 17

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. :—

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

where z = height of the station above M.S.L.

E = earth's radius, both expressed in the same units,

and λ = latitude of station.

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

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

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

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

z = height of station in centimetres.

e = base of Napierian logarithms.

K = gas constant for dry air $= 10^9/348{\cdot}4$ C.G.S. units.*

$\bar{T}$ = mean absolute temperature of the air column between station level and mean sea level.

$\bar{w}$ = mean value of water vapour pressure in the column.

$\bar{g}$ = mean value of the acceleration of gravity in the air column. Even at Eskdalemuir, the highest station, the effect on the correction of the variation of gravity with height is, in this case, negligible, so that

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

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

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

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. 9 ; 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.

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* 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.

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).§

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.

* 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.

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, entries less than 20 per cent. 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. 11). 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 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

* 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.

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.

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 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

* 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 decided 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.)

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.
Cirro-Stratus	Ci-St.
Cirro-Cumulus	Ci-Cu.
Alto-Cumulus	A-Cu.
Alto-Stratus	A-St.
Strato-Cumulus	St-Cu.
Nimbus	Nb.
Cumulus	Cu.
Cumulo-Nimbus	Cu-Nb.
Stratus	St.
Stratus-cumuliformis	St-Cuf.
Fracto-(prefix, as in fracto-stratus)	Fr-.
-lenticularis (affix, as in stratus-lenticularis)	-lent.
Mammato-cumulus	M-Cu.

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* (Ed. 1926), a series of selected objects, A, B, C..., as nearly as possible at the standard distances given in the table which follows, is used for this observation. The objects are selected so as to be readily seen and identified from specified observing points in daylight when the air is clear. A variation up to 10 per cent. from the standard distances is considered admissible. Particulars of the objects in use at each observatory, together with a statement of their actual distances and bearings from the point of observation and notes on local peculiarities which affect the observations, will be found in the Introductions to the sections for the individual observatories.

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

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

Indication Letter of Object.	Standard Distance of Object.	Verbal Description.	Beaufort Letters.	
			Detailed Scale.*	Contracted Scale.
	Metres.			
(X)	—	Dense fog	8 f	F
A	25		7 f	
B	50	Thick fog	6 f	
C	100		5 f	
D	200	Fog	4 f	f
E	500	Moderate fog	3 f	
F	1,000	Mist, haze or very poor visibility	m or z	ɱ or z.
G	2,000	Poor visibility	m_0 or z_0	m_0 or z_0
H	4,000	Moderate visibility		
I	7,000			
J	10,000	Good visibility		
K	20,000	Very good visibility		
L	30,000			
M	50,000	Excellent visibility		

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

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

At Cahirciveen, 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 Cahirciveen Section.

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,

* Not used in this Year Book.

but less than 2 kilometres (*i.e.*, object "F" visible, but "G" not visible). The distinction between mist (m) and haze (z) is determined by the depression of the wet bulb. When the visibility is between the limits specified for mist or haze, haze is recorded when the depression of the wet bulb is more than 1°F; if the depression of the wet bulb does not exceed this limit, the term *mist* is used.

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

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

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

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

Beaufort Notation and International Weather Symbols.

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

r	●	rain.
	←	ice crystals in the air.
s	✱	snow.
rs		sleet.
	+	drift snow.
	⊞	snow lying. (More than half the surrounding country covered with snow.)
h	▲	hail.
	△	soft hail.
t	T	thunder.
l	<	lightning.
tlr		thunderstorm.
		gale.
q		squalls.
	⦶	solar corona.
	⊕	solar halo.
		lunar corona.
		lunar halo.
	⌒	rainbow.
		aurora.
		zodiacal light.
		mirage.

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.

* To indicate varying intensities of haze, mist and fog the notation shown in the last two columns of the table on p. 18 is used.

The figure 0 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 0 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.

The gale symbol ⥇ is normally used in this publication to indicate that the wind as recorded by the anemograph averaged at least 17·2 *m/s* for one or more "centred" hours. At Richmond (Kew Observatory) the symbol has been used with the word gust in brackets to indicate the occurrence of gusts reaching 17·2 *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

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

$x_n-\bar{x}$ 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:—

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

the corrected diurnal inequality having the value

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

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 $\tfrac{1}{2}(x_0 + x_1)$ and for the second midnight $\tfrac{1}{2}(x_{24}+x_{25})$, when 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 $1/2\,(x_{24}+x_{25}-x_0-x_1)$. 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

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

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

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, 1933, have accordingly been appended to the appropriate tables.

M.O. 360
(Lerwick)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valentia Observatory), and Richmond (Kew Observatory), 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
1934

LERWICK OBSERVATORY.

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

INTRODUCTION.

GENERAL REMARKS.

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

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

Other instruments installed at the Observatory included barometers, barograph, hygrograph, psychrometers, nephoscope, rain-gauges (ordinary and self-recording), sunshine recorder and Dines tube anemograph 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 only vegetation being 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 are shown and the arrangement of buildings and situation of instruments are set out on a site plan in "The Observatories' Year Book," 1928.

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 north-west corner of the Office Block. The site is divergent from the ideal for two reasons:—

(1) There is distortion of the equipotential surfaces by adjacent houses, wireless plant, etc.,

(2) It is a comparatively large distance (236 metres) away from the ground where absolute determinations are made.

Consideration of the variations of mean monthly values of the reduction factor shows that these disadvantages are less serious than might be anticipated.

The collector rod passes through a window in the north wall, and is situated 190 cm. from the corner of the building. The collector is 476 cm. above the ground and projects 123 cm. from the window. The collectors are of polonium deposited on a copper rod, about 4 cms. 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 smaller end of a tapered German silver tube, 76 cm. long, and of triangular cross section, which, in turn, is attached to a "Duralumin" tube, 89 cm. long and 1·3 cm. in diameter. The latter tube passes through a hole, 3·8 cm. diameter, in one end of a wooden box (dimensions 38 x 25 x 10 cm.), where it is supported horizontally between the ends of two metal rods embedded in sulphur. A number of small 2-volt electric bulbs are kept burning inside the box in order to improve the insulation of the supports for the collector rod during wet weather, and a similar bulb is placed inside the case of the electrometer. The rod is connected to the base of the acid pot of the Benndorf electrometer by a fine wire. A detailed description of this instrument is to be found in "Phys. Zeit". 7 (1906), p. 98, whilst the general principle is described in Mathias' "Traité d'Electricité Atmosphérique et Tellurique," p. 54, and in Chauveau's "Electricité Atmosphérique," pp. 61-64.

The record consists of a series of dots made once a minute on a long roll of paper as it is unwound from a drum by clockwork, exact hours being indicated by dots near the edge of the sheet. Timing is taken from electric clock No. 1,031, governed by the Observatory standard, Shelton No. 35. The needle of the electrometer is earthed at least once daily, and a zero line is obtained by connecting up these earth marks; owing to the constancy of the perpendicular distance 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 25 volts per millimetre, which permits a range from + 1800 to — 1450 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 1932 being such that the instrument would lose half its potential in 41 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 in "The Observatories' Year Book," 1928). An insulated wire, stretched horizontally between two stout wooden posts 121 cm. in height and 9·48 m. apart, carries at its centre a burning fuse exactly 1 metre above the ground. A Wulf electrometer, usually No.5225 (Günther & 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 1932.

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

	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Mean Value of													
$-\frac{d}{dt}\log_e V$.	·015	·015	·014	·016	·017	·020	·014	·021	·017	·014	·016	·021	·017
No. of days used in mean	28	21	24	21	22	24	25	23	20	17	14	12	251
Highest $-\frac{d}{dt}\log_e V$. ...	·021	·023	·019	·021	·021	·031	·021	·027	·028	·021	·027	·027	
Lowest $-\frac{d}{dt}\log_e V$. ...	·009	·009	·007	·009	·011	·011	·007	·014	·011	·010	·009	·014	
Scale Value (v/mm) ...	25·3	25·3	25·0	24·9	25·1	24·9	24·5	25·1	24·9	25·0	25·3	25·3	
Mean Exposure Factor ...	1·22	1·31	1·30	1·29	1·31	1·37	1·31	1·27	1·28	1·31	1·21	1·25	1·29
Applied Exposure Factor	1·27	1·29	1·29	1·30	1·32	1·34	1·31	1·28	1·29	1·28	1·25	1·24	
No. of Determinations of Exposure Factor ...	8	8	8	6	6	9	14	10	6	6	6	4	91

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.,—

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

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

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

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

The ratio K_1/K_c is only about 1/750 so that there is no appreciable error in the readings from this cause.

In the years 1927 to 1929 though not in 1930 or 1931 the exposure factor was higher in summer than in winter. In 1932 the exposure factor was again

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

a little higher in summer than in winter, with a maximum in June. 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 peculiarities of the electrograph site and wind direction. In this connection the following table shows the mean values of the exposure factor for 1932 summarized according to wind direction:—

	Calm	N	NE	E	SE	S	SW	W	NW	1932
Mean Factor	1·31	1·26	1·35	1·25	1·18	1·32	1·28	1·33	1·27	1·29
No. of Observations	4	10	13	8	7	11	14	13	11	91

Relatively high values of the factor are associated with winds from north-east, south and west, for which directions the electrograph collector has a good exposure. The exposure in other directions is obstructed by adjacent buildings, and the depression of the factor depends upon the proximity of these obstructions to the collector. The lower factors, resulting from the higher potential of the collector when shielded from the wind, also follow from R. A. Watson's conclusion that potential gradient is inversely dependent upon wind speed. (Geophysical Memoir No. 38). Wind direction, however, appears to have no appreciable bearing upon the annual variation of factor discussed in the preceding paragraph.

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 1932.

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.

I, 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 1932 there were 5·0 hours less negative potential gradient than in 1931, and seven fewer days on which negative gradients occurred. The daily mean duration of negative gradient was thus 1·53 hours, against 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 18 v/m. In five months the means from the Oa days are greater than the (a) means; over the year as a whole the Oa day mean is exactly the same as the (a) mean. The annual mean daily values derived in these three ways for the six years 1927-1932 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

It is a defect of the Benndorf recorder that even with such a high scale value as 25 v/mm the width of the sheet is frequently exceeded during oscillatory movements. In 1932 there were 92 days on which the electrometer needle went beyond the limits of registration on the positive side and 152 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 ending at the exact hour G.M.T.:—

Positive. None.

Negative. March 25d 2h 30m— 5h 30m, 30d 16 h 0m— 19h 30m. April 19d 21h, 29d 24h. Oct. 2d 5h, 13d 22h. Nov. 21d 19h and 20h, 22d 11h and 12h.

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

(I) March 24d 23h 40m to 25d 9h 40m. Potential negative for all but about 12 minutes of this period. Mean gradient $<$ -992 v/m. Moderate rain throughout.

(II) March 30d 11h 30m to 20h 15m. Potential negative for whole period. Mean gradient $<$ -1315 v/m. Heavy rain throughout.

(III) April 29d 18h 0m to 30d 0h 30m. Potential negative for all except about seven minutes of this period. Mean gradient $<$ -868 v/m. Moderate rain throughout.

(IV) September 22d 1h 15m to 9h 0m. Potential negative for all but about two minutes of this period. Mean gradient $<$ -770v/m. Heavy rain throughout.

(V) October 2d 0h 0m to 6h 30m. Potential negative for all but about two minutes of this period. Mean gradient $>$ -506 v/m.

(VI) December 2d 2h 0m to 11h 15m. Potential negative for all but about 35 minutes of this period. Mean gradient < -634 v/m. Moderate rain throughout.

Notable spells of high potential were:—

(I) May 15d 20h to 16d 3h. Mean gradient 583 v/m. Haze.
(II) May 19d 13h to 23h. Mean gradient 592 v/m. Thick fog.
(III) July 1d 19h to 2d 2h. Mean gradient 546 v/m. Mist.
(IV) July 2d 17h to 23h. Mean gradient 687 v/m. Haze.
(V) July 3d 18h to 4d 2h. Mean gradient 620 v/m. Haze.
(VI) July 5d 2h to 24h. Mean gradient 639 v/m. Haze.
(VII) July 6d 5h to 11h. Mean gradient 652 v/m. Fog.
(VIII) July 31d 6h to 12h. Mean gradient 584 v/m. Thick fog.
(IX) August 13d 5h to 12h. Mean gradient 591 v/m. Fog.

There were 77 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 3250 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 1932 has a well marked minimum at about 4h and a conspicuous maximum at 19h; secondary maxima and minima occur at about 10h and 11h respectively. This secondary oscillation however is a very small one, the year resembling, in this respect, 1929 rather than 1927, 1928, 1930 or 1931, in all of which the secondary oscillation was pronounced. In the separate mean variations for the seasons, the evening maximum occurs at 19h. in winter and 21h. in summer; while for the equinoctial months there are two equal maxima at 20h. and 22h. The inequalities for all 1a and 2a days, i.e. days on which no hour has a range exceeding 1000 v/m but on which negative potential gradients occurred, are naturally more irregular than the 0a day ones. The general form however is approximately the same, for the annual, winter and equinoctial curves, but in summer the minimum is at 14h. and the maximum at 23h; while a secondary oscillation only a little less than the main one has a maximum at 8h. and a minimum at 1h. In the 0a days inequalities the winter months show much the largest range, but in the curve for 1a and 2a days the range is slightly the greatest in equinoctial months. In all previous years except 1931 the equinoctial ranges have been much the greatest for both 0a, and 1a and 2a day, curves.

TERRESTRIAL MAGNETISM.

Notes on the Instruments.

The standard records of declination and horizontal force are obtained from the Munro magnetographs which were in use at Falmouth until 1912. The instruments had been stored for several years, but were afterwards reconditioned and tested at Kew before being installed at Lerwick in November, 1922.

A new vertical force instrument of the Watson quartz fibre type and supplied by the Cambridge Instrument Company was installed in the standard recording house at the end of November, 1929, and became the standard vertical force instrument from 1st January, 1930. A description of this type of instrument is given in "Terrestrial Magnetism", Vol. IX (1904), pp. 62-68.

The declination magnet has a unifilar suspension, and the torsion correction is negligible. The scale value is constant for all positions of the light dot on the sheet; throughout the year it was 1 mm. of ordinate to 1·93 minutes of arc. in the horizontal force instrument the magnet is maintained in a position approximately perpendicular to the magnetic meridian by torsion of the bifilar suspension. Copper damping plates are fitted to each instrument and the recording mechanism is similar to that used at Eskdalemuir. The arrangement of the instruments in the magnetograph house is shown in "The Observatories' Year Book," 1928.

A complete auxiliary magnetograph is maintained, the constituents being a Krogness H magnetograph, and locally constructed declination and vertical force instruments. The last mentioned has a quartz fibre suspension and generally resembles the Watson instrument. It was brought into use, in place of the Munro recorder previously used, in March 1932.

The auxiliary recorders arranged to function at a low sensitivity have proved their usefulness in supplying record during highly disturbed hours.

The chief instrumental difficulties encountered during the year were:-

(a) A slight irregular drift in the case of the horizontal and vertical force instruments.

(b) Irregular changes in declination base line values.

Monthly scale values have been assigned to the records by taking overlapping means, except when discontinuities occurred and special measures were required. The determinations in the case of H are made by Broun's method, the deflecting magnet being placed in the "broadside on" position and at a distance of 55·9 cm. from the recording magnets. A larger deflection distance would render the error due to inequality of the distribution coefficients for the H and D magnets less appreciable, but cannot be used owing to the restricted size of the magnetograph house. For standardisation of the vertical force magnetograph, the field is varied by passing known currents (± 40, ± 80, ± 120 milliamps) through Helmholtz Gaugain coils fitted to the instrument. The scale value of H was maintained at approximately 6 γ/mm. and that of V at about 8 γ/mm.

The 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 reading 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 taken at least twice weekly, those of dip and declination five or 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. Inclination is measured with the dip circle placed on the East pillar (No. 3), using 3½ inch needles. 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 1932. 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)	−2·398	−14·36	$\bar{1}$·99831
1924	−1·236	−464·6	$\bar{1}$·99862
1925	−1·165	−875·9	$\bar{1}$·99821
1926	+1·225	−1711·2	$\bar{1}$·99895
1927	+2·229	−2183·8	$\bar{1}$·99912
1928	+0·223	−1395·6	$\bar{1}$·99860
1929	−0·539	−968·5	$\bar{1}$·99855
1930	−1·210	−837·1	$\bar{1}$·99823
1931	−1·041	−895·3	$\bar{1}$·99828
1932	+1·367	−1849·9	$\bar{1}$·99889

The mean value of $\log_{10}(1 + P/25^2 + Q/25^4)$ employed in the reduction of all observations for 1932 was the mean of the values derived up to the end of 1931, namely, $\bar{1}$·99854. If the 1932 value is added, the mean for the total available period becomes $\bar{1}$·99858. The adoption of this latter value would raise all the hourly values, monthly means, etc., as given in the tables by 0·7γ in the case of H and 2·2γ in the case of V.

In October 1932 a Schuster-Smith portable magnetometer (No.L45434, by the Cambridge Instrument Co.) was installed on the West (No.1) pillar of the absolute observation hut. The principle of this instrument is explained in the Dictionary of Applied Physics, Vol. 11, pp. 528-532.

The potentiometer, variable resistances, galvanometer, and a milliammeter used for rough current adjustments are all enclosed in a single box approximately 32 cm. by 30 cm. by 15 cm. The permanent magnets of the galvanometer and milliammeter are arranged so that their common external field is as small as possible; but it is still appreciable. For this reason the potentiometer is set up at the extreme Eastern end of the hut, about 240 cm. from the Dip circle, 380 cm. from the unifilar magnetometer and 520 cm. from the coils of the Schuster-Smith magnetometer. The field exerted by the permanent magnets at the dip circle is less than 0·5γ.

Four observations are taken weekly. Each observation occupies less than ten minutes, and casual errors are considerably smaller than with the unifilar magnetometer. Base values for the horizontal force magnetograph, however, are about 20γ lower, as deduced from observations with this instrument, than when they are obtained with the unifilar magnetometer. It is not yet known to which instrument the error should be ascribed, but at present the unifilar is retained as standard. The base value curve obtained from the results of the Schuster-Smith magnetometer is, nevertheless, of great value for purposes of comparison with that obtained from the standard unifilar instrument.

In November and December 1932 the behaviour of the dip circle was unsatisfactory; and in determining base line values it was decided to reject entirely the results of observations made during these two months. After an adjustment made on 31st December the normal working of the instrument was restored. The base line values for the vertical force magnetograph over this period were obtained from the curve connecting up the September and October base line values with those of January 1933, with appropriate allowance for temperature changes; there was fortunately no other change in the behaviour of the magnetograph over the intervening period.

As stated in the general remarks, the walls of the magnetograph chamber are of concrete, 2 feet 6 inches 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 change day-to-day in degrees absolute over each of the twelve months of 1932 and for the year as a whole was as follows:—

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
0·44	0·27	0·24	0·39	0·30	0·23	0·17	0·24	0·42	0·43	0·37	0·35	0·32

There were 11 occasions on which the change reached or exceeded 1°A. These rapid fluctuations of temperature obviously add considerably to the problem of satisfactorily determining base line values in the cases of the horizontal and vertical force magnetographs. The temperature coefficients are known with fair accuracy, being taken to be 6·1γ per 1° A., in the case of the horizontal force magnetograph and -5γ per 1° A. in the case of the vertical force magnetograph.

As mentioned above, no attempt has been made to correct the diurnal inequalities for the very small and rather uncertain diurnal variation of temperature to which the chamber may be subject.

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. 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, the entry 195 (200) under H signifies: deduced base line value 14,195, adopted base line value 14,200. 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 1932.

Date.	Declination. Mean Time.	D.	Inclination Mean Time.	I.	Horizontal Force. Mean Time.	H.	m.	Base line values (deduced and adopted) H.	D.	V.
	h. m.	° ′ ″	h. m.	° ′	h. m.	γ		14,000 γ +	° ′ ′	46,000 γ +
Jan. 1	11 57	13 54 9	11 35	72 44·7	12 31	14498	1047·6	195 (200)	13 6·3 (6·8)	643 (617)
5	11 56	55 17	11 36	44·5	12 28	502	7·9	201 (200)	6·8 (6·8)	657 (653)
8	14 17	57 2	11 31	43·9	14 40	518	8·3	201 (200)	7·4 (6·8)	673 (656)
12	10 36	56 51	12 11	45·5	11 10	500	8·6	200 (200)	6·7 (6·8)	698 (664)
15	10 55	57 22	12 13	44·6	11 24	504	8·7	203 (200)	6·6 (6·7)	692 (678)
18	10 39	54 3	12 11	45·1	11 15	513	8·8	204 (200)	6·8 (6·5)	728 (685)
22	11 07	52 16	11 35	44·9	11 42	505	8·7	198 (200)	6·1 (6·3)	551 (515)
26	10 59	54 21	12 26	45·1	11 31	487	8·9	196 (200)	5·9 (6·1)	535 (522)
29	10 52	51 35	12 21	44·6	11 29	488	8·5	– (200)	6·6 (6·0)	525 (522)
Feb. 2	10 59	13 51 23	–	–	11 43	14509	1047·9	209 (200)	13 5·1 (6·6)	–
3	11 56	59 51	12 27	72 44·7	–	–	–	–	7·7 (6·6)	584 (522)
5	11 04	50 51	–	–	11 57	483	8·7	187 (200)	5·1 (6·6)	–
10	11 07	52 49	–	–	11 38	492	7·7	244 (248-234)	4·9 (6·5)	–
12	11 19	51 12	10 45	44·5	12 12	484	8·9	215 (223-215)	5·7 (6·5)	397 (401)
16	11 57	54 21	11 21	43·6	12 28	494	8·7	196 (196)	6·1 (6·5)	362 (389)
19	10 45	51 13	12 07	43·7	11 15	497	8·7	187 (190)	4·1 (6·0)	417 (395)
23	10 31	50 48	12 01	43·6	11 03	493	9·1	174 (176)	4·5 (6·0)	411 (395)
26	11 41	54 21	11 14	43·9	12 14	490	9·1	173 (170)	4·9 (6·0)	372 (393)
Mar. 1	10 56	13 52 38	10 16	72 42·5	11 33	14511	1049·1	192 (183)	13 9·8 (6·0)	357 (415)
4	12 09	57 5	12 43	43·8	–	–	–	–	5·4 (6·0)	508 (540)
5	10 57	52 49	–	–	11 31	482	8·6	144 (150)	6·3 (6·0)	–
9	10 03	49 10	11 59	42·7	11 03	485	8·7	137 (141)	5·9 (6·0)	294 (326)
12	11 11	51 37	12 19	43·7	11 35	488	8·2	136 (140)	5·1 (5·9)	336 (326)
16	10 17	50 30	11 48	43·7	10 52	500	8·5	150 (143)	5·5 (5·9)	354 (337)
19	11 47	54 13	12 48	44·3	12 10	479	8·4	141 (139)	4·5 (5·9)	348 (337)
23	10 17	50 57	11 43	43·1	10 52	475	8·3	132 (135)	4·6 (5·9)	310 (337)
26	10 11	48 47	11 45	43·9	10 46	470	8·6	129 (134)	5·8 (5·9)	368 (378)
29	11 08	56 15	12 37	45·3	11 49	474	8·6	141 (132)	5·7 (5·8)	364 (382)
April 1	10 23	13 52 21	–	–	10 57	14471	1048·9	130 (127)	13 6·4 (5·8)	–
2	12 13	57 48	12 31	72 44·2	–	–	–	–	5·0 (5·8)	385 (381)
6	11 28	53 51	12 40	44·3	11 55	478	8·8	118 (116)	5·8 (5·8)	388 (375)
8	11 26	52 9	10 58	45·1	11 56	500	7·7	140 (116)	5·6 (5·7)	349 (374)
13	11 11	50 0	12 31	43·9	11 48	490	8·6	114 (114)	5·0 (5·7)	413 (377)
15	11 24	50 50	10 57	45·7	11 56	474	8·6	112 (114)	5·1 (5·6)	366 (383)
20	11 35	47 35	11 41	44·6	10 59	470	8·6	106 (114)	2·0 (5·6)	413 (405)
22	10 27	51 18	10 02	43·6	10 57	487	8·7	121 (113)	6·3 (5·5)	436 (412)
25	10 39	49 11	10 13	45·3	11 11	486	8·2	114 (111)	1·1 (5·5)	402 (418)
27	10 43	46 38	11 46	44·7	11 07	488	8·4	107 (107)	3·2 (5·5)	446 (418)
May 2	10 27	13 48 21	09 57	72 43·6	11 07	14490	1049·4	97 (97)	13 5·3 (5·5)	430 (424)
7	10 18	46 11	09 53	44·6	10 58	476	8·9	97 (95)	5·3 (5·5)	420 (425)
9	10 22	49 42	11 38	44·6	10 50	477	8·7	95 (95)	5·7 (5·5)	446 (425)
13	10 44	48 33	10 19	44·0	11 12	475	8·6	88 (89)	6·5 (5·5)	405 (440)
16	11 01	50 17	10 37	44·6	11 26	465	8·6	88 (86)	5·7 (5·5)	436 (460)
21	10 28	46 3	10 05	45·1	10 56	455	9·0	76 (78)	5·9 (5·5)	312 (324)
25	10 53	48 57	10 31	44·1	11 19	475	9·0	65 (72)	7·5 (5·5)	303 (325)
27	10 09	46 17	11 27	44·3	10 33	481	8·0	77 (71)	5·6 (5·5)	356 (325)
31	10 58	46 31	10 35	45·7	11 26	462	8·5	71 (71)	5·6 (5·5)	327 (325)
June 3	10 27	13 47 22	11 33	72 44·7	10 51	14479	1048·7	72 (71)	13 4·9 (5·5)	357 (337)
7	10 24	49 55	09 59	44·6	11 02	478	8·7	71 (71)	5·0 (5·3)	387 (365)
10	10 07	46 15	11 10	45·4	10 30	473	8·6	74 (71)	4·4 (5·2)	392 (448)
14	10 45	46 21	10 17	44·4	11 16	474	8·6	69 (71)	4·7 (5·1)	421 (442)
17	11 03	49 21	10 37	44·4	11 30	463	8·8	64 (71)	4·4 (5·1)	415 (436)
21	10 39	45 45	11 45	44·6	11 05	471	8·9	72 (72)	5·2 (5·0)	446 (432)
25	10 11	44 22	11 11	44·7	10 34	464	9·3	65 (77)	12 56·9 (57·7)	436 (427)

ABSOLUTE DETERMINATIONS—(continued).

Date.	Declination. Mean Time.	Declination. D.	Inclination. Mean Time.	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		14,000 γ +	° ′ ′	46,000 γ +
July 1	10 09	13 47 22	–	–	10 44	14479	1048·9	89 (86)	12 57·8 (57·7)	–
2	09 57	47 29	10 17	72 44·3	–	–	–	–	57·7 (57·7)	443 (431)
5	10 18	48 14	–	–	11 04	468	8·7	91 (93)	56·7 (57·7)	–
6	11 02	52 32	11 25	45·3	–	–	–	–	57·7 (57·7)	433 (436)
8	–	–	–	–	11 06	459	8·0	97 (97)	–	–
9	10 31	44 3	10 58	44·9	–	–	–	–	57·8 (57·7)	428 (436)
12	10 19	42 37	11 35	44·9	10 48	479	8·6	296 (295)	56·7 (57·6)	433 (429)
15	10 40	45 35	11 43	44·9	11 04	477	8·8	299 (299)	57·7 (57·6)	449 (423)
19	10 17	44 49	11 14	44·2	10 40	475	8·4	300 (305)	57·9 (57·6)	439 (420)
22	10 07	42 57	11 05	45·2	10 28	472	8·9	314 (311)	55·9 (57·5)	423 (425)
27	10 15	45 8	11 15	44·5	10 36	487	8·9	325 (323)	56·9 (57·5)	451 (437)
30	10 35	45 17	11 35	44·3	10 57	485	8·5	331 (329)	57·0 (57·5)	466 (441)
Aug. 2	10 45	13 45 42	11 48	72 44·2	11 09	14483	1048·7	337 (335)	12 57·6 (57·5)	465 (441)
5	10 59	48 47	11 19	45·8	–	–	–	–	57·3 (57·5)	409 (436)
6	10 31	42 5	–	–	10 55	458	8·8	338 (342)	57·1 (57·5)	–
23	10 47	48 15	10 24	45·5	11 17	458	8·4	355 (359)	59·0 (57·6)	396 (425)
25	10 43	43 49	10 24	45·1	11 12	474	8·9	360 (360)	57·5 (58·1)	445 (426)
30	10 45	48 15	10 23	46·0	11 09	464	7·9	365 (365)	59·6 (59·2)	422 (430)
Sept. 2	10 51	13 47 17	10 29	72 45·4	11 17	14476	1048·8	376 (368)	12 59·4 (59·3)	439 (432)
6	10 48	49 15	10 27	44·1	11 13	480	9·2	371 (373)	58·9 (58·7)	428 (420)
9	10 25	44 53	10 03	44·4	10 51	474	8·6	378 (377)	58·4 (58·0)	401 (420)
13	10 44	47 39	10 25	44·0	11 17	483	8·7	384 (383)	57·3 (57·5)	412 (424)
16	10 45	47 37	10 23	44·8	11 11	465	8·9	387 (387)	57·5 (57·5)	401 (425)
23	10 29	53 59	10 06	45·8	10 59	450	8·1	390 (392)	58·6 (57·5)	383 (425)
27	10 19	45 24	09 58	44·9	10 48	457	8·9	390 (394)	57·3 (57·5)	411 (428)
30	11 02	45 59	10 42	44·4	11 24	485	8·7	406 (395)	57·1 (57·5)	435 (431)
Oct. 5	10 35	13 43 13	10 14	72 44·3	11 16	14465	1049·2	394 (398)	12 57·3 (57·5)	442 (445)
7	10 49	42 35	10 29	44·3	11 13	472	9·2	397 (400)	58·2 (57·5)	444 (449)
11	10 37	43 3	10 18	44·5	11 02	483	8·2	421 (404)	58·1 (57·5)	435 (455)
14	10 15	40 15	09 55	44·3	10 41	472	8·8	412 (407)	57·4 (57·5)	436 (453)
18	10 25	40 53	10 05	44·2	10 47	470	8·6	411 (410)	57·5 (57·5)	424 (453)
20	10 17	42 59	09 59	44·2	10 42	477	7·8	420 (411)	57·8 (57·5)	452 (456)
25	11 15	44 25	10 53	45·2	11 43	461	8·8	417 (414)	57·9 (57·5)	506 (473)
28	10 15	39 48	09 55	44·1	10 39	470	8·8	416 (416)	57·2 (57·5)	442 (481)
Nov. 1	10 49	13 47 38	–	*	11 20	14485	1048·7	422 (420)	12 56·9 (57·6)	– (482)
4	10 13	41 13	–	–	10 38	471	8·8	420 (424)	57·4 (57·6)	– (481)
8	10 12	41 17	–	–	10 41	482	8·5	432 (429)	58·4 (57·6)	– (481)
11	10 27	41 48	–	–	10 53	482	8·7	431 (433)	57·8 (57·7)	– (484)
15	10 43	41 12	–	–	11 07	475	8·4	440 (437)	57·2 (57·7)	– (485)
18	11 15	45 9	–	–	11 39	479	8·9	438 (438)	58·4 (57·7)	– (486)
23	11 32	42 27	–	–	11 56	486	8·5	439 (440)	57·9 (57·7)	– (495)
25	11 17	41 38	–	–	11 40	498	8·6	441 (441)	57·4 (57·7)	– (499)
30	11 35	41 49	–	–	12 00	489	9·1	447 (442)	57·8 (57·7)	– (504)
Dec. 6	11 48	13 46 48	–	–	12 12	14486	1048·5	441 (444)	13 1·0 (57·8)	– (517)
9	10 44	45 27	–	–	11 08	467	9·0	445 (446)	12 58·3 (57·9)	– (529)
17	10 57	42 20	–	–	11 40	473	8·0	476 (455)	58·0 (58·0)	– (537)
20	11 34	41 28	–	–	12 08	481	8·8	461 (459)	59·2 (58·0)	– (534)
23	11 38	43 25	–	–	12 04	484	8·4	466 (463)	56·8 (58·1)	– (534)
24	10 45	41 43	–	–	–	–	–	–	57·2 (58·1)	– (535)
26	12 33	43 9	–	–	12 35	488	8·9	466 (467)	57·3 (58·1)	–
27	10 35	43 8	–	–	15 07	487	9·7	469 (469)	57·7 (58·1)	– (540)
28	11 03	41 49	–	–	11 42	486	8·6	471 (470)	58·4 (58·2)	– (541)
30	11 37	40 9	–	–	12 17	485	8·6	473 (473)	56·9 (58·2)	– (543)

* Observations of I unreliable during Nov. and Dec.

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.

Since August 1932 an observer at Urafirth, situated approximately 26 miles NNW of the Observatory, has been supplied with a second Krogness camera. On suitable occasions communication between the two stations has been established by telephone and simultaneous photographs of aurora have been taken with the two cameras.

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 1932 is approximately 4·22. The mean value for the day is computed according to the expression:—

$$x = (x_1 + x_2 + \dots\dots\dots + x_{24})/24.$$

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 inequality taken irrespectively of sign, throughout the 24 hours, are given in Table 63.

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

In Table 66 appear for the months and year the mean values of N, W, V, D, I, H and Total Force T. The means of N, W, I and T are derived from the corresponding mean values of H, D and V, which are the means of hourly values on all days in the month or year.

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, 1932.— The mean values of the magnetic elements for the years 1931 and 1932 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
1931 ...	14517	13 59·6	72 42·3	14086	3510	46623	48830
1932 ...	14495	13 46·1	72 43·5	14078	3450	46608	48809

The decrease in westerly declination from 1931 to 1932 (13′·5) was greater than in the previous year (11′·6). The rates for the seven earlier years were 13′·8 for 1923-24, 13′·0 for 1924-25, 14′·9 for 1925-26, 12′·9 for 1926-27, 12′·8 for 1927-28, 13′·7 for 1928-29, and 12′·4 for 1929-30.

Mean values derived from (a) international quiet days and (b) international disturbed days are as follow:—(a) H, 14498γ; D, 13°46′·3; V, 46611γ; (b) H, 14487γ; D, 13°45′·5; V, 46602γ.

The extreme values of H, D and V recorded during 1932 are given in Table II.

TABLE II.

Element.	Maximum.		Minimum.		Absolute Annual Range.
	Value.	Date, 1932.	Value.	Date, 1932.	
		d. h. m.		d. h.m.	
Horizontal Force	15043γ	May 29 16 41	13460γ	May 30 4 45	1583γ
Declination	15° 24′·5	May 30 3 42	11° 57′·0	May 30 4 40	3° 27′·5
Vertical Force	46955γ	May 29 23 0	25756γ	May 30 3 37	1199γ

The range of 3° 27′·5 in declination is equivalent to a range of 875γ in the component of force perpendicular to the magnetic meridian. In the year 1931 smaller ranges were recorded in all three elements.

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
Mean Sunspot No.	5·8	16·7	44·3	63·9	69·0	76·8	64·2	38·9	20·9	11·2
Mean 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

During these ten years the sunspot numbers show a fairly regular rise and fall, with maximum in 1928; but the D ranges show maxima in 1926 and 1930, the latter the larger, although the sunspot number was comparatively small.

In the next table the magnetic conditions for individual months of the year 1932 are set out, together with the provisional sunspot numbers.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Provisional sunspot number	12·3	11·0	11·1	10·8	18·3	22·0	9·4	6·7	4·0	9·0	9·1	10·7
Mean absolute daily range of D ...	23·4	23·1	31·7	24·5	28·7	14·6	14·7	19·2	20·2	21·1	14·6	19·9
Mean $\frac{HR_H + VR_V}{10,000}$	488	549	1064	997	1007	408	366	694	708	611	324	512

The values of mean absolute daily range for the months and seasons of the year 1932 are given in Table IV, the ranges of declination in angle having, for convenience of comparison, 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 1932 the ratios of the annual mean ranges of H, D and V at Lerwick to those at Eskdalemuir are 1·4, 1·2 and 2·5. 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 III.

Month.	Magnetic Character Figures. Number of "0" days.	Magnetic Character Figures. Number of "1" days.	Magnetic Character Figures. Number of "2" days.	Mean Character Figures. Lerwick.	Mean Character Figures. International.	Mean Value of $\frac{HR_H + VR_V}{10,000}$ All days.	Q days.	D days.
1932.								
January	9	19	3	·81	·76	488	101	1086
February	8	18	3	·83	·76	549	134	1274
March	4	18	9	1·16	·95	1064	198	2273
April	2	24	4	1·07	·89	997	341	1792
May	4	22	5	1·03	·80	1007	224	2920
June	12	17	1	·63	·43	408	197	1037
July	13	18	0	·58	·49	366	178	751
August	11	17	3	·74	·67	694	177	2007
September	6	20	4	·93	·73	708	201	1840
October	5	23	3	·94	·73	611	193	1809
November	12	17	1	·63	·58	324	113	772
December	11	17	3	·74	·67	512	122	1666
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			

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

Month.	Mean Absolute Daily Range 1932.			Mean Daily Range expressed as Percentage of Yearly Mean. 1932.		
	H.	D.	V.	H.	D.	V.
	γ	γ	γ	%	%	%
January ..	76	99	81	72	110	76
February ..	77	98	94	73	109	89
March	177	134	173	169	149	163
April	156	103	169	149	114	159
May	193	121	156	184	134	147
June	82	62	62	78	69	58
July	80	62	54	76	69	51
August ..	116	81	113	110	90	107
September ..	97	85	122	92	94	115
October ..	86	89	104	82	99	98
November ..	46	62	55	44	69	52
December ..	76	84	86	72	93	81
Winter ..	69	86	79	66	96	75
Equinox ..	129	103	142	123	114	134
Summer ..	118	81	96	112	90	91
Year ..	105	90	106	—	—	—

The frequency distribution of absolute daily ranges recorded in 1932 is shown in Table V. A comparison with the corresponding figures for Eskdalemuir (Table V. on page 181) 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 50-59γ 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.

Range	Number of Cases, 1932.			Percentage Distribution.		
γ	H.	D.	V.	H.	D.	V.
0– 9 ..	0	0	0	0·0	0·0	0·0
10– 19 ..	11	3	31	3·0	0·8	8·5
20– 29 ..	24	7	50	6·6	1·9	13·7
30– 39 ..	22	20	35	6·0	5·5	9·6
40– 49 ..	41	52	24	11·2	14·2	6·6
50– 59 ..	54	60	18	14·8	16·4	4·9
60– 69 ..	38	49	25	10·4	13·4	6·8
70– 79 ..	30	24	23	8·2	6·6	6·3
80– 89 ..	30	30	16	8·2	8·2	4·4
90– 99 ..	14	15	15	3·8	4·1	4·1
100– 109 ..	11	15	17	3·0	4·1	4·6
110– 119 ..	2	9	11	0·5	2·5	3·0
120– 129 ..	12	14	7	3·3	3·8	1·9
130– 139 ..	7	12	5	1·9	3·3	1·4
140– 149 ..	6	9	5	1·6	2·5	1·4
150– 159 ..	4	5	6	1·1	1·4	1·6
160– 169 ..	6	7	5	1·6	1·9	1·4
170– 179 ..	4	4	3	1·1	1·1	0·8
180– 189 ..	4	6	6	1·1	1·6	1·6
190– 199 ..	5	3	5	1·4	0·8	1·4
200+	41	22	59	11·2	6·0	16·1
Days omitted..	0	0	0	–	–	–

TABLE VI.— PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT LERWICK, 1932.

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, 1400γ; D, 13°; V, 46000γ.

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. 1 14	Jan. 2 24	566	2 22 29	375	2 23 4	191	60·5	2 12 2	18·2	2 22 24	42·3	769	2 17 36	583	2 23 50	186
2	Jan. 7 20	Jan. 12 24	583	9 23 37	422	8 22 48	161	65·7	8 16 35	18·8	11 18 23	46·9	759	7 20 55	599	8 22 56	160
3	Jan.25 10	Jan. 29 4	728	27 15 29	405	26 23 55	323	62·4	27 16 41	11·0	26 22 20	51·4	816	27 15 28	546	28 1 0	270
4*	Feb. 2 20 22	Feb. 5 24	586	4 20 15	304	4 2 12	282	70·9	4 2 23	21·1	4 16 48	49·8	761	3 16 14	472	3 22 48	289
5*	Feb. 7 19 50	Feb. 12 24	572	11 16 56	424	11 22 50	148	60·7	10 23 58 and 12 22 34	18·5	11 16 52	42·2	724	10 16 20	514	11 22 50	210
6	Feb.22 8	Feb. 26 4	684	23 19 34	439	25 4 59	245	61·8	22 13 45	- 1·5	23 20 5	63·3	764	23 19 34	533	23 1 26	231
7	Mar. 2 10	Mar. 6 24	731	2 21 42	334	5 1 23	397	62·4	5 1 37	14·7	2 22 4	47·7	755	2 21 49	417	5 1 35	338
8	Mar. 7 10	Mar. 11 24	575	9 21 14	- 18	11 0 38	593	70·8	11 0 33	7·9	10 20 5	62·9	707	10 18 6	285	11 0 37	422
9	Mar.17 16	Mar. 18 22	683	18 18 12	458	18 19 52	225	59·9	18 13 39	3·4	18 18 51	56·5	767	18 18 7	534	18 2 20	233
10	Mar.20 23	Mar. 25 4	555	21 20 45	409	23 1 5	146	66·5	23 0 48	21·0	21 20 43	45·5	646	22 13 23	400	23 1 4	246
11*	Mar.27 17 49	Apr. 10 24	827	28 19 10	180	28 20 40	647	87·1	28 19 33	12·0	29 20 25	75·1	781	28 18 50	309	31 0 33	472
12	Apr.13 14	Apr. 19 24	622	13 16 46	260	13 21 35	362	65·5	13 20 44	15·4	13 21 14	50·1	774	13 17 10	456	13 22 4	318
13*	Apr.22 5 29	Apr. 29 24	630	24 18 50	310	25 1 13	320	64·2	22 15 24	28·5	24 0 34	35·7	733	22 16 35	389	26 1 1	344
14	May 1 10	May 7 10	664	4 17 38	223	3 1 16	441	69·2	4 17 54	17·9	2 0 12	51·3	745	5 16 23	285	2 23 51	460
15*	May 10 0 5	May 11 22	565	11 18 42	464	11 0 19	101	55·9	11 12 46	35·8	11 0 34	20·1	638	11 15 57	426	11 0 40	212
16	May 13 2	May 17 2	586	15 18 31	389	16 4 42	197	57·6	16 4 49	33·1	13 19 7	24·5	643	15 12 49	498	16 5 15	145
17	May 23 12	May 23 24	573	23 19 48	465	23 9 25	108	58·6	23 13 53	26·9	23 22 0	31·7	659	23 20 37	498	23 22 22	161
18	May 29 11	May 31 24	1043	29 16 41	-540	30 4 45	1583	144·5	30 3 42	-63·0	30 4 40	207·5	955	29 23 0	-244	30 3 37	1199
19	June 7 4	June 12 24	586	8 15 16	369	9 2 48	217	58·0	7 15 5	27·7	8 20 25	30·3	672	9 20 5	358	9 0 30	314
20	June20 10	June 23 8	621	20 16 46	452	20 10 54 and 22 5 44	169	61·0	20 17 10	37·0	22 3 33	24·0	691	20 18 7	555	21 23 56	136
21	July 5 12	July 10 24	604	5 17 55	418	6 7 2	186	59·3	5 14 5	37·6	10 4 40	21·7	688	6 14 47	515	7 0 5	173
22	Aug. 1 12	Aug. 4 20	579	2 15 17	338	4 0 14	241	61·2	2 2 0	23·9	3 21 3	37·3	725	1 17 54	437	4 0 10	288
23	Aug.27 6	Aug. 31 4	654	27 17 54	-234	28 1 52	888	65·3	29 22 8	12·2	29 19 8	53·1	817	28 17 52	199	28 2 29	618
24*	Sep. 6 2 19	Sep. 9 24	658	6 15 49	348	9 2 47	310	58·7	6 15 46	24·7	8 4 50	34·0	844	6 14 25	374	8 4 7	470
25	Sep.23 6	Sep. 27 24	671	23 17 51	358	27 1 3	313	61·2	25 15 25	15·1	23 19 50	46·1	792	24 15 45	405	25 2 0	387
26*	Oct.14 17 46	Oct. 16 18	803	15 17 20	407	15 10 36	396	67·4	15 17 0	17·2	15 22 25	50·2	843	15 17 30	471	15 23 50	372
27	Oct.20 10	Oct. 21 14	625	20 17 30	133	20 21 18	492	55·6	20 16 58	-14·1	21 1 39	69·7	786	20 17 47	267	21 1 54	519
28	Oct.22 8	Oct. 24 24	532	23 19 44	432	24 13 5	100	51·7	23 14 37	14·5	23 17 3	37·2	730	23 17 1	528	22 20 37 and 23 0 52	202
29	Nov.14 6	Nov. 17 22	532	17 20 46	382	16 22 31	150	59·6	16 6 15	7·7	16 18 11	52·1	721	16 17 27	483	16 23 42	238
30	Dec.13 14	Dec. 17 24	772	14 17 22	86	16 1 15	686	68·5	14 17 49	- 9·8	16 1 24	78·3	927	14 17 15	369	16 1 11	558

"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 and D are smaller than in any of the six previous years, but that of V is the same as in 1926 and greater than in any other year except 1930.

Quiet days. The H and D ranges for the year are smaller than in any of the six previous years. That of V is greater than in 1927, 1928 or 1929, but less than in 1926, 1930 and 1931.

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 and 1932 the smallest, with the disturbed years 1926 and 1930 intermediate.

Disturbed days. The range of the annual inequality of H is less than in any of the six previous years except 1931.

In D only 1927 has a smaller range.

In V the range is equal to that of 1926 and greater than in any other year except 1930.

The disturbed day ranges in all three elements are, as usual, greatest in the Equinox season.

A comparison of the records of Eskdalemuir and Lerwick shows that 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 in some months the quiet day inequalities are very different from those at Eskdalemuir, and it will be seen from the table below that the range of the inequality varies from just over one half of the Eskdalemuir range in June to over twice the Eskdalemuir range in October.

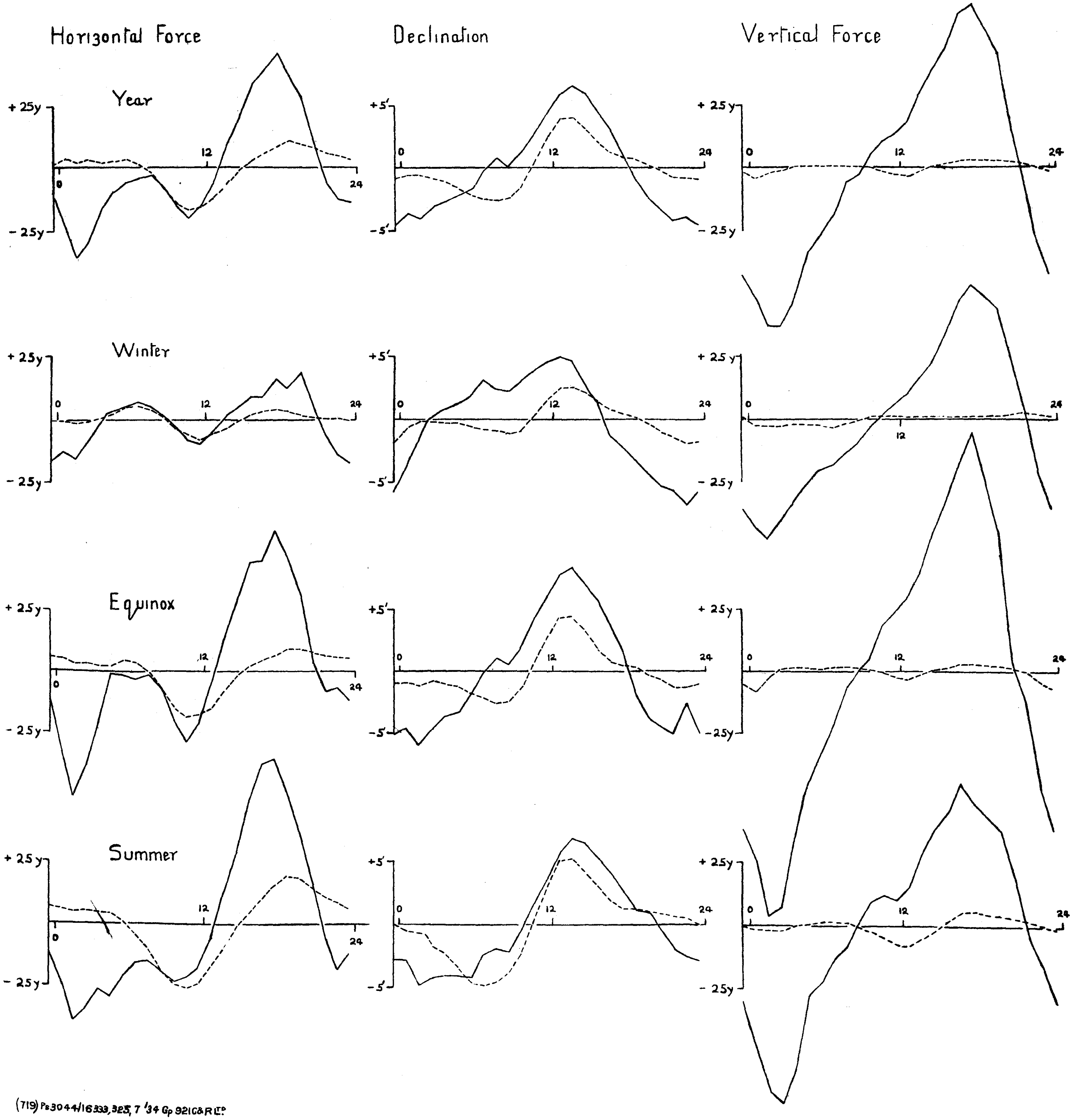
Ratio of the Range of the Inequality at Lerwick to that at Eskdalemuir. (1932)

Type of Day.	Element.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
q	D	1·10	1·05	·94	·95	1·01	1·12	1·06	·99	·92	·95	1·09	1·12
d	D	1·17	1·23	1·22	1·12	1·31	1·04	·98	·99	·99	1·24	1·24	1·25
q	H	·89	1·02	·98	1·10	1·05	1·06	1·18	·95	1·04	·87	·82	·83
d	H	1·07	2·36	3·43	1·58	2·11	1·22	1·17	2·06	2·24	1·92	·78	2·64
q	V	·79	·95	1·32	1·31	1·07	·62	·66	·98	·98	2·20	1·36	1·67
d	V	2·37	2·40	1·34	2·39	1·83	2·69	2·02	2·17	2·15	2·33	2·03	2·39

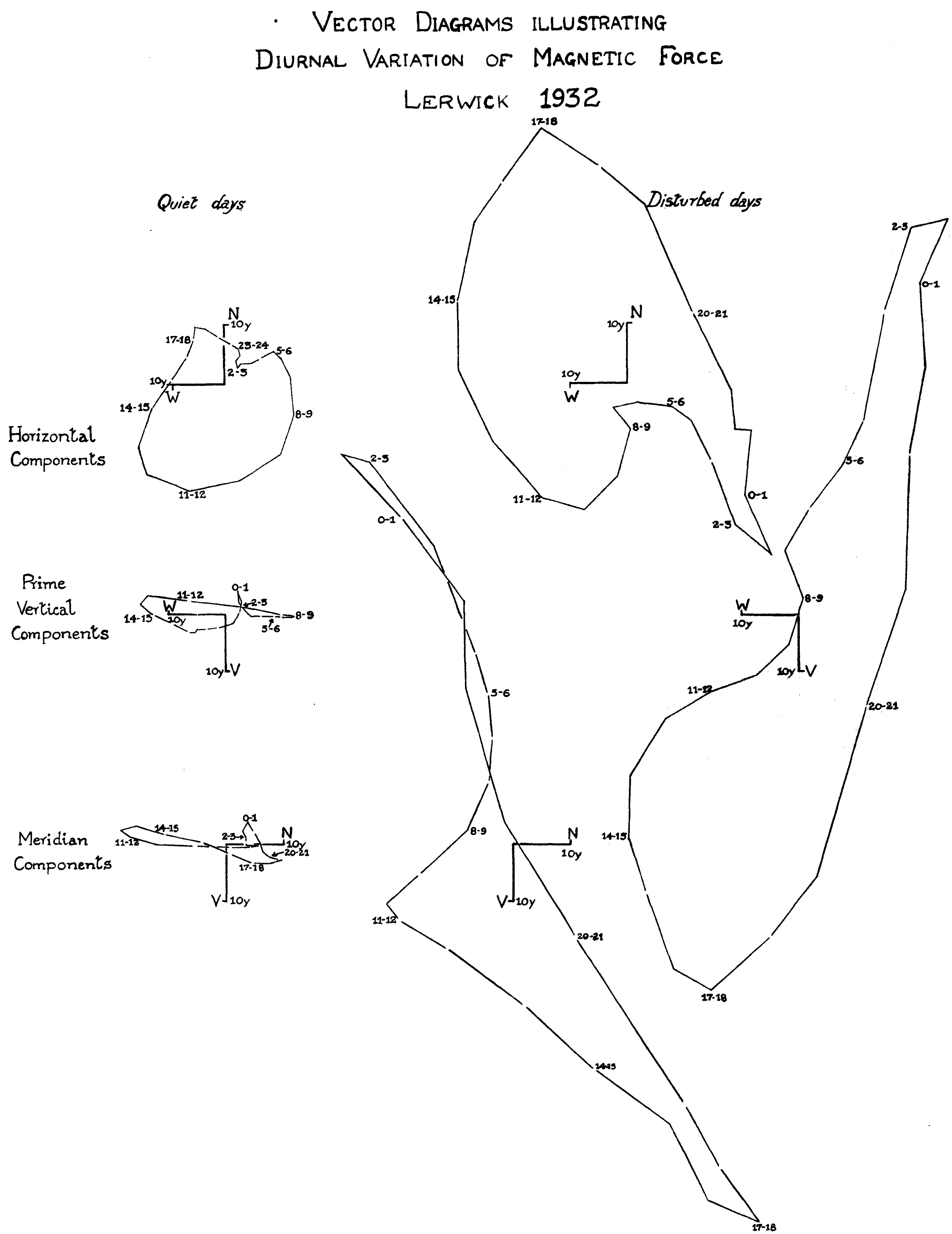
DIURNAL VARIATION OF THE MAGNETIC ELEMENTS

LERWICK 1932

Quiet days ------ Disturbed days ______



(719) Ps3044/16333, 325, 7 '34 Gp 921 G&R Ltd


Vector Diagrams illustrating
Diurnal Variation of Magnetic Force
Lerwick 1932
Quiet days
Disturbed days
Horizontal Components
Prime Vertical Components
Meridian Components
N
W
V
10y
17-18
23-24
5-6
2-3
8-9
11-12
14-15
0-1
20-21

"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, 1932.

January.—(Average character figure 0·74).

This was a fairly quiet month, the 27th being the only "2" day. There were, however, on many days fairly large bays in D during the afternoon and evening. The largest of these occurred on the 11th (37′ deep), the 26th (38′ deep), and the 27th (40′ deep).

The first three days show frequent but generally small disturbance, although there was a "wave" in H, 191γ from crest to trough, between 22h and 24h on the 2nd. The second disturbed period (8th to 13th) also contains few large movements. The D bay mentioned above and a bay in H, 120γ deep, centred at 8d 22h 48m, were the most striking features.

A long quiet spell followed, but there was a further small outbreak between the 25th and 29th. The outstanding event was the sharp peak in H at 27d 15h 29m, 230γ high. This excursion occupied only 20 minutes. It was accompanied by a smaller peak in V (113γ) and by the D bay mentioned above.

Aurora was seen from one or more places in Scotland on January 6, 7 and 25.

February.—(Average character figure 0·79).

This month was also fairly quiet, with the 3rd and 4th as the only "2" days.

All records were lively throughout the afternoon of the 3rd and the early morning of the 4th. The main feature of the H record was the usual night bay, 175γ deep, with its minimum at 4d 2h 12m. This was accompanied by a D hump 26′ high and a fairly deep bay in V. A somewhat deeper V bay was centred at 3d 22h 48m and there was a fall in H of 180γ between 22h 19m and 22h 31m. The records were back to about normal by 4d 5h, but a long period of moderate disturbance followed, ending on the 15th.

The period of slight disturbance which lasted from the 18th to the 25th was remarkable only for one feature. This, in H, was a hump 187γ high with a maximum at 23d 19h 34m. The corresponding hump in V was 156γ high. In D there was a bay 1° in depth with a minimum at 20h 5m.

Aurora was observed from one or more places in Scotland on February 3, 4, 7, 8, 9, 10, 11, 12, 23, and 24. That of the 3rd, seen at Lerwick, was fairly active throughout the evening, and from 21h 35m to 21h 55m was in vigorous and continual movement, and showed brilliant red and green colours. During this period a rapid fall of V (to form the bay mentioned above) began.

March.—(Average character figure 1·13).

This, with eight "2" days, was a much more disturbed month.

Records were fairly quiet up to the evening of the 2nd, when, just after 18h, V began a rapid rise of about 140γ. At 21h 42m there was a peak in the H record 240γ high accompanied by a smaller peak in V and a 42′ bay in D. Just after midnight there were bays in all traces, 152γ deep in V, 120γ in H and 10′ in D.

Fairly active disturbance continued until the 12th. There were no more large peaks in any element (if we except one of 40′ in D at 11d 0h 33m) but a number of considerable bays, all during the evening or night. The largest in H were: at 7d 23h 42m, 268γ deep: at 8d 2h 59m, 175γ deep: and at 11d 0h 38m, 460γ deep. These were accompanied by V bays, and throughout this period the diurnal ranges of V were large although, as usual with V, there were few rapid changes. The deepest bays in D were at 10d 20h 5m (46′) and 9d 21h 10m (40′ deep).

At 18d 18h 12m there was a sharp peak (150γ high) in H, with a smaller one in V and a 47′ bay in D; but generally the middle of the month was fairly quiet.

The greatest disturbance of the month began on 28d. There was a small sudden commencement at 27d 17h 49m and another abrupt movement at 23h 40m. Each of these was followed by very small and rapid oscillations for some two hours, but no large movements occurred until the afternoon, when an irregular rise of H to a maximum of 14,827γ took place between 15h and 19h 10m, after which there were three sharply defined night bays, at 19h 33m, 20h 40m and 0h 24m. The second was the deepest with a minimum of 14,180γ. The V movements were very similar, but the three bays mentioned were accompanied in D by humps, respectively 38′, 39′ and 20′ in height.

The next night was somewhat quieter, but on the night of 30th-31st there were a number of bays in H, much the deepest being the one at 0h 48m with a minimum of 14,110γ. The V movements generally resembled those of H, but no such similarity could be traced in the D record, which was, however, fairly excited and had a range of 50′. Moderate disturbance continued throughout the 31st.

Aurora was seen from one or more places in Scotland on March 2, 4, 6, 7, 8, 10, 11, 19, 28, 29, 30, 31.

April.—(Average character figure 1·07).

There were only two 0 days in the month. On the other hand there were no large disturbances, the four "2" days all being doubtful cases.

All records up to the 8th were fairly disturbed. Most of the H records showed bays in the early morning, of which the deepest was that at 2d 2h 46m (minimum 14,207γ). There were corresponding bays in V, but no very large D movements, and none of the records shows any noteworthy upward displacement. After a short, fairly quiet interval there were some moderately large changes on the 13th. Humps in H and V, centred at about 16h 40m, were respectively 105γ and 176γ high, while in D only a few very small irregular movements occurred. Shortly after 21h all records show bays, 260γ deep in H, 160γ in V, 46′ in D.

Small disturbance continued until the 19th, broke out again on the 22nd and continued until the 29th. The most disturbed records were those of 24th -25th. The afternoon of the 24th showed two small peaks in H at 15h 45m and 18h 50m, the second and higher with a maximum of 14,630γ. This latter was accompanied by a small V hump and a small bay in D. H and V had rather deep night bays with minima a little after 25d 1h. The minimum value of H was 14,310γ, its range on the evening somewhat exceeding that of V. In D there were two small bays just before and just after midnight.

Aurora was seen from one or more places in Scotland on April 1, 2, 3, 4, 5, 6, 7, 10, 14, 16, 24, 25, 26. As seen from Lerwick that of April 4th was the most active. Between 23h 12m and 23h 30m especially, the changes of form were rapid and continuous. Bands of brilliant pink and green, curtains and "pulsating surfaces" of period about $\frac{1}{10}$ to $\frac{1}{4}$ of a second were observed at this time.

May.—(Average character figure 1·03).

A month of fairly frequent small disturbances and one short storm of exceptional violence.

There was a good double bay in H on the night of 2nd-3rd, the second and deeper part falling to 14,223γ (at 1h 16m). This appears also on V though, as usual, the division into two parts is much less evident than in H. At about this time there was a "wave" in D, with a range of 34′.

The night of the 3rd was fairly quiet, but there was a peak in H at 4d 17h 38m with a maximum of 14,664γ. At this instant there occurred a fall in V, and a small V peak accompanied the H bay which followed (at 18h 0m). Moreover V showed two night bays of the usual form, with accompanying H humps. The main feature of the D record was a bold wave at 4d 18h, with a range of 44′.

Although small disturbances were common throughout the month, nothing calling for comment occurred until the great storm of 29th to 30th of which the records will be separately described:-

H. After a sharp rise of 220γ at 13h 30m the trace remained very high until 17h, never descending, even in lulls, below 14676γ. In this period there were three great peaks - at 14h 43m, 15h 38m and 16h 41m, the last and greatest with a maximum of 15,043γ. From 17h 30m there was a steep but fairly steady descent until 20h, between which hour and 30d 6h there occurred a series of very deep bays. No fewer than twelve of these passed the lower limit of registration of the standard recorder (13871γ). There was a rapid recovery after 6h and the remainder of the month suffered only quite small disturbances. Many of the movements during this night were extraordinarily swift - one change of over 700γ occupied about four minutes.

V. The afternoon section was much quieter than in H. There was an initial rise of 160γ at 13h, but no trace of the three peaks of the H record. From 13h 30m the trace fell slowly and irregularly until 20h 30m. Centred at 23h there was a large peak (maximum 46,955γ). This accompanies an H bay, although both before and after the two records generally increase and decrease together. The hours from 23h to 8h are occupied by a single deep bay instead of the multitude shown by H. Its outline was of course broken by frequent variations of shorter period, but with one exception these were relatively small. The exception was a peak of 660γ high at 4h 44m.

D. Just after noon there was a rise of a few minutes but no large movements occurred until 16h 50m, when there were rapid changes of +39′, -85′ and +56′. From 18h to 20h the record was quiet. Thereafter there were several deep bays ending with one at 2h 55m with a minimum of 12° 19′. Immediately after this came a rapid rise of 3° 5′, and then a fall of 3° 28′. This latter fall ended at 4h 40m, and was followed by a quick recovery.

Aurora was seen from one or more places in Scotland on May 2 (vivid at Tiumpanhead from 22h 10m till 3d 2h), 4, 5, 8.

June.—(Average character figure 0·63).

An exceptionally quiet month. The only "2" day, the 9th, was a very doubtful case.

The H record for 8th-9th shows a hump of 85γ centred at 15h 16m; and two night bays at 0h 22m and 2h 48m respectively 100γ and 140γ deep. All these features appear in V also. The bays were accompanied by small D humps 20′ and 12′ in height. The next two nights each show a small night bay in both H and V.

On the afternoon of the 20th all traces were rather high and a little excited. Apart from these occasions there was nothing in the month worthy of notice.

July—(Average character figure 0·58). Another remarkably quiet month. Although the ranges on several days were tolerably large, movements were slow and consisted of a slight increase in the normal diurnal variation. The only important exceptions were:- (1) A sharp rise of 80γ in H beginning at 4d 14h 3m; (2) A hump about 53γ high in H with a maximum at 19d 22h 16m accompanied by a 36γ bay in V.

August.—(Average character figure 0·73).

This month contained several periods of mild disturbance and ended with a storm in which all elements had quite large ranges.

The first disturbed period ended on the 6th. The outstanding events were a peak in D 25′ in height at 2d 2h 0m and a bay 160γ deep in H, 150γ in V, just after midnight on the night of 3-4d.

After this nothing remarkable happened until the 27th. The records began to show some liveliness shortly after midday and at 17h 54m there was a good peak in H (maximum 14654γ) accompanied by a bay in D 23′ deep. All elements show a fairly deep bay shortly after 22h, and another, much deeper in H and V, followed a little later. The H record reached its minimum (13766γ) at 1h 52m, but the lowest value of V, 46199γ, was not reached until 2h 29m. D shows a 15′ peak centred at 1h 50m followed by a 27′ fall to a minimum at 2h 4m. The disturbance continued until the 30th. The main events of this period were:- a very sudden rise of 60γ in H just before 28d 16h; a sharp V peak, 103γ high, at 28d 17h 52m accompanied by one of 60γ in H and a small one in D, this last followed by a sharp fall of 27′; a 90γ hump in H at 29d 19h 9m, accompanying a 90γ fall in V and a D bay 37′ deep; and a 22′ hump in D at 29d 22h 8m at which moment there was a small H bay and a fairly deep one in V (minimum 46456γ)

Aurora was seen at one or more places in Scotland on August 3, 4, 18, 27 (at 23h 30m at Lerwick) and 28.

September.—(Average character figure 0·93).

The four "2" days in this month were all doubtful cases, although small disturbances were common.

There were many small movements during the first five days. A very small sudden commencement occurred at 6d 2h 19m. Then at about 6d 14h H rose by 136γ, remained high until 16h 45m, and then returned rapidly to normal. The rise was even larger in V (220γ) but after the maximum, at 14h 25m, there was a slow and fairly steady fall lasting until 23h. D was somewhat excited without ever departing more than about 15′ from normal.

No bay in H appeared on the night of 6d-7d but one with a minimum of 14351γ occurred at 8d 3h 45m, following a fairly quiet day. There was a corresponding bay in V, 206γ deep and a little later one in D 18′ deep. Similar bays appeared on the next night also.

The next outbreak of importance began on the 23rd. In the afternoon there was a slow and irregular rise in H, ending in a sharp peak at 17h 51m with a maximum of 14671γ. The corresponding rise in V was small. After 18h both records fell slowly (although H showed one sharp upward swing of 90γ at 20h 31m). H and V were both low during most of the night, but H did not display the usual pronounced bay. Disturbance in D was greatest between 16h and 2h. In this period there were numerous bays, the largest about 25′ deep.

The records of 24th-25th were more disturbed. In H there were three peaks in the afternoon and two bays at night. The second and largest H peak was accompanied by a good V hump 180γ high, but the other two H peaks, as well as the two H bays, were accompanied by V bays. The last of these was the deepest, with a minimum of 46405γ at 25d 2h 0m. The main D movements were opposed in direction to those in H, and the range of D during this afternoon and night was 40′·7.

The records of 25d to 26d are generally similar to those of the preceding day, H showing several afternoon peaks and night bays, none of them very large. V, on this occasion, followed H in all its main movements. The 26th was quieter, but there was a bay at about 27d 1h, in which H fell to 14358γ and V to 46419γ, accompanied by a 20′ hump in D. Smaller disturbances persisted until the end of the month.

Aurora was seen from one or more places in Scotland on September 4, 6, 7, 8, 14, 19, 23, 24, 25, 26, 29 and 30.

October.—(Average character figure 0·94).

A quiet month apart from two quite short periods of moderate disturbance.

The first of these occurred on 15d after a sudden commencement at 14d 17h 46m. Between 4h and 8h H values were somewhat high and V values low. A little before noon both elements began a slow and fairly steady rise, but at 17h 20m there was a fine peak in H about 250γ high. There was no corresponding peak on either of the other records. V movements indeed, apart from a little peak of about 100γ at 15h 23m, were always slow, although the range for the day was considerable. Mean values of D for the evening were low, and a number of rapid swings occurred; but none of the movements was at all large. H showed scarcely a trace of the night bay which usually forms part of large disturbances.

After another tolerably quiet period disturbance broke out again on the afternoon of 20d. The first movement was a rise in both H and V which began shortly after 16h and led to very flat-topped humps, H remaining quite close to a value 14605γ and V to 46766γ for about an hour. H showed a series of at least five separate night bays on the night of 20-21d, the first and deepest, at 21h 18m, having a minimum of 14133γ. The corresponding V bays were not in all cases clearly marked, although V values were very low during the night. The largest H bay and the big double one between 1h and 2h were accompanied by fair D bays. These were respectively 33′ and 42′ deep.

The storm was practically finished by 21d 10h, but small outbreaks were common for several days after. At 22d 20h there was a swift fall in V of 150γ during a period of small but rapid swings in D and H, and a 30′ bay in D occurred at 23d 17h 3m accompanied by a sharp V peak 70γ high. Apart from these small movements the end of the month was fairly quiet.

Aurora was seen from one or more places in Scotland on October 3, 4, 20, 21, 22, 23, 24, 26, 27, 29.

November.—(Average character figure 0·70).

A quiet month with only one "2" day, and that one a doubtful case.

Between 4h and 8h on 1d there were a few slow waves in all traces. They were most noticeable in D where the range was 18′. After this the records were fairly quiet until the storm of 16d. In H the only large features were two bays centred at 3h 12m and 22h 31m, with minima respectively 14419γ and 14382γ. In V the disturbance began with a fall of 85γ between 16d 2h 50m and 3h 45m. Thereafter, although the normal diurnal variation was greatly augmented, there were no rapid changes. The D record was the most remarkable. The main period of disturbance was very clearly defined, beginning with a sharp fall of 30′ at 14h 35m and ending with a rapid rise of 24′ at 22h 35m. Outside these limits the trace was quiet; within them it was always low and showed many swings of fair size and rapidity.

The 17d records were at times rather excited, but show no large movements. On 18d a pair of small humps in H, respectively 45γ and 23γ high, appeared between 20h 30m and 22h. They were accompanied by a single V bay about 50γ deep and two D bays 13′ and 10′ deep. The rest of the month was quiet.

Aurora was seen from one or more places in Scotland on November 4 (glow at 19h 35m, ray structure between 20h 50m and 21h 5m), 5, 16, 22.

December.—(Average character figure 0·74).

Generally a quiet month but broken by one short period of moderate disturbance.

The first week of the month was very quiet, but there was a little activity on the 8th and 9th. A wave in D with a range of 20′, centred at 8d 24h, and a V bay with a minimum of 46526γ at 9d 1h 15m, were the main features.

Disturbance began again shortly after 14d 16h. H and V both showed a large hump covering the period from 16h to 20h. This hump was 270γ high in H, 300γ in V. During the remainder of the night both elements remained very low and in addition H showed a well-marked night bay with a minimum of 14292γ at 21h 17m. The first D movement was a slow and irregular fall of 27′ beginning at 16h, but this was followed by a sharp rise of 47′ to a maximum at 17h 49m and then by a slow fall ending in a 35′ bay accompanying that in H.

The majority of 15d was quite quiet, but just before 19h disturbance began again. After a small rise, H fell sharply - about 200γ - and remained very low until 2h. V movements were similar but slower. Between 16d 0h and 16d 2h H showed a series of three narrow bays respectively 220γ, 340γ and 70γ deep. The minima were at 0h 49m, 1h 15m and 1h 45m. In V there was an irregular fall of 230γ between 0h 23m and 1h 11m, followed by a fine peak 220γ high. The maximum of this occurred at 1h 18m, i.e. almost coincident with the H minimum. D rose 41′ between 0h and 1h 10m, and then came a very narrow bay 75′ deep. After 2h all the records were fairly steady. Small disturbances persisted for several days, the main events being a D hump at 17d 1h 2m, 19′ high, and a D bay 31′ deep at 17d 19h 24m.

From the 25th to the end of the month small disturbance was common, but there were no large movements.

Aurora was seen from one or more places in Scotland on December 1, 2, 8, 14, 15, 16, 23, 25, 28, 30.

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.

1932.

Day.	January. Factor 1·27.				February. Factor 1·29.				March. Factor 1·29.			
	2 - 3 h.	8 - 9 h.	14 - 15 h.	20 - 21 h.	2 - 3 h.	8 - 9 h.	14 - 15 h.	20 - 21 h.	2 - 3 h.	8 - 9 h.	14 - 15 h.	20 - 21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	<-883	80	61	116	36	62	127	(130)	23	145	158	287
2	71	125	122	100	(65)	(81)	59	205	142	-19	165	275
3	67	266	260	173	143	205	121	95	103	97	126	145
4	151	132	138	247	68	101	81	49	129	216	126	249
5	119	189	19	119	88	62	130	140	52	Z ±	191	184
6	151	93	96	>417	254	222	196	271	194	Z ±	184	252
7	360	161	132	128	202	<-326	124	130	Z ±	181	229	417
8	144	125	119	154	81	114	111	124	194	231	242	203
9	100	138	132	-157	-163	95	<-261	140	158	197	226	184
10	199	321	254	286	33	65	95	65	74	68	152	81
11	180	144	106	135	65	95	108	98	65	100	126	132
12	164	93	183	189	65	130	81	111	-129	107	136	90
13	67	-360	61	Z ±	108	101	127	16	-32	58	132	103
14	Z ±	119	148	109	72	88	(98)	(65)	61	113	113	152
15	-161	228	138	132	(81)	98	111	160	94	97	139	142
16	58	173	202	196	104	<-68	95	88	(81)	(81)	(97)	107
17	61	122	138	205	49	108	192	238	36	129	97	226
18	103	125	177	132	121	163	199	336	-42	26	-3	142
19	125	132	103	299	36	137	130	199	74	97	152	426
20	67	106	148	125	156	127	65	163	132	139	107	100
21	93	128	286	106	65	156	264	316	48	81	161	100
22	48	116	196	183	218	215	192	238	52	58	129	78
23	119	161	119	177	-121	196	173	130	32	142	178	129
24	247	334	292	-507	121	134	173	153	94	197	255	262
25	96	96	273	>514	130	101	130	(130)	<-882	<-1331	<-517	242
26	(64)	93	128	96	(49)	65	98	124	184	203	165	191
27	67	100	189	151	68	179	121	261	136	158	197	32
28	87	128	154	157	127	163	173	205	178	136	132	110
29	35	<193	112	144	137	29	117	<-456	-78	129	233	436
30	93	128	183	141	---	---	---	---	90	-74	-927	19
31	96	125	100	90	---	---	---	---	<-646	1034	84	>807
(a)	115	149	154	179	102	122	132	156	101	164	158	203
(b)	109	156	161	122	87	127	134	161	73	114	108	169
Mean.	(a) 149		(b) 137		(a) 128		(b) 127		(a) 157		(b) 116	

Day.	April. Factor 1·30.				May. Factor 1·32.				June. Factor 1·34.			
	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	Z ±	84	130	181	172	199	96	79	97	154	137	160
2	94	120	123	62	33	79	89	122	97	110	134	124
3	130	152	Z ±	165	56	86	56	89	117	120	120	174
4	130	159	68	130	50	76	79	166	117	-53	97	124
5	94	-373	130	311	>348	<281	166	182	73	94	107	137
6	275	68	94	139	116	109	126	<149	104	117	177	210
7	-107	29	113	Z ±	Z ±	159	162	166	83	120	107	160
8	181	94	123	100	122	83	106	53	130	144	150	164
9	36	Z ±	<-181	87	119	106	66	165	114	124	107	117
10	65	123	97	133	96	175	Z ±	89	271	384	180	-257
11	>259	104	100	165	<-33	109	Z ±	182	384	247	207	47
12	87	62	178	94	159	136	152	-7	134	144	114	157
13	29	75	78	(97)	26	99	103	149	174	144	184	200
14	(81)	130	178	172	232	149	189	288	127	127	167	220
15	97	165	217	204	341	407	487	675	114	147	184	224
16	110	178	143	139	487	Z ±	126	391	167	217	327	234
17	94	<-117	97	68	285	142	116	258	170	240	167	167
18	62	75	143	65	159	119	185	182	100	(134)	187	194
19	58	120	162	<1426	156	209	487	712	214	140	177	210
20	249	78	133	321	116	-199	281	172	157	184	217	247
21	110	126	133	130	99	66	116	152	164	207	257	104
22	32	97	-130	146	113	119	119	165	57	67	120	234
23	55	110	243	-65	142	129	146	136	(100)	144	83	284
24	97	113	62	>295	109	76	66	99	127	301	157	-27
25	68	Z ±	97	Z ±	<-66	126	116	152	157	147	110	120
26	>632	>797	Z ±	156	139	159	182	182	67	90	124	421
27	75	81	97	123	142	129	199	116	314	140	147	190
28	94	65	100	107	165	162	169	149	124	134	134	197
29	113	87	49	-528	162	192	165	136	134	167	254	224
30	42	29	104	275	96	189	149	165	114	127	187	591
31	---	---	---	---	119	99	109	116	---	---	---	---
(a)	123	128	123	155	156	144	159	195	143	159	161	201
(b)	104	77	115	108	138	125	163	188	143	152	161	178
Mean.	(a) 132		(b) 101		(a) 163		(b) 153		(a) 166		(b) 159	

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. 1932.

Day.	July. Factor 1·31.				August. Factor 1·28.				September. Factor 1·29.			
	2 - 3h.	8 - 9h.	14 - 15h.	20 - 21h.	2 - 3h.	8 - 9h.	14 - 15h.	20 - 21h.	2 - 3h.	8 - 9h.	14 - 15h.	20 - 21h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	414	462	196	578	93	106	119	164	234	517	363	193
2	340	157	520	748	96	125	51	254	125	161	144	157
3	562	340	266	626	154	132	109	125	Z ±	138	161	<209
4	398	424	263	132	125	26	125	87	87	71	87	125
5	539	481	857	562	103	87	128	196	83	67	<-385	170
6	401	1024	347	632	170	356	-48	193	74	138	80	164
7	128	170	161	257	132	138	154	141	87	106	64	151
8	289	189	299	132	177	144	141	260	93	132	119	161
9	93	279	132	135	61	202	157	164	109	55	305	<-1075
10	128	221	257	202	151	180	234	421	-16	109	26	-96
11	157	189	151	157	453	167	186	-71	93	170	90	148
12	193	254	177	212	331	Z ±	Z ±	536	74	42	167	135
13	180	189	225	151	Z ±	642	241	100	67	106	35	100
14	106	144	135	189	125	189	151	228	-6	177	96	260
15	83	100	189	215	125	144	138	106	112	109	128	151
16	100	148	161	64	157	286	112	215	-109	67	128	144
17	77	106	55	151	-209	443	119	164	106	80	39	39
18	93	93	100	109	132	157	157	161	58	<16	74	135
19	161	228	125	215	100	106	132	132	-16	39	Z ±	151
20	125	119	186	202	112	164	-379	161	138	112	225	132
21	170	96	Z ±	151	122	125	148	202	96	125	148	-315
22	257	202	183	161	106	157	141	177	<-738	<-706	125	173
23	119	77	164	241	93	93	119	209	106	141	116	164
24	193	106	93	74	122	132	119	164	71	122	122	83
25	363	414	225	372	96	125	144	286	449	382	199	-74
26	241	193	67	260	138	196	151	151	116	93	128	112
27	196	266	138	254	100	61	299	183	61	<-55	77	164
28	215	189	138	254	157	315	161	440	67	132	183	254
29	308	177	144	231	103	167	138	167	122	215	138	311
30	266	154	154	-273	106	151	132	-674	196	225	173	157
31	-80	533	177	266	112	157	132	254	---	---	---	---
(a)	230	249	209	264	140	182	148	208	118	137	134	159
(b)	221	254	209	250	121	167	120	161	104	154	130	115
Mean.	(a) 238			(b) 233	(a) 169			(b) 142	(a) 137			(b) 126

Day.	October. Factor 1·28.				November. Factor 1·25.				December. Factor 1·24.			
	2 - 3h.	8 - 9h.	14 - 15h.	20 -21h.	2 - 3h.	8 - 9h.	14 - 15h.	20 - 21h.	2 - 3h.	8 - 9h.	14 - 15h.	20 - 21h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	99	<-384	237	128	98	101	145	60	176	148	166	245
2	-416	125	74	147	218	<-616	123	142	-157	273	Z ±	176
3	74	29	112	64	95	104	104	-41	79	-60	Z ±	217
4	64	150	-35	154	60	66	136	161	75	82	110	151
5	64	93	<-128	-362	123	130	164	136	119	176	217	195
6	64	77	54	323	95	117	145	171	119	113	144	154
7	266	99	278	246	107	240	284	111	63	72	201	122
8	160	189	237	269	161	221	205	199	69	129	198	154
9	141	96	70	29	79	-32	218	133	6	192	170	129
10	80	86	125	138	63	142	167	325	72	126	151	135
11	93	154	131	208	123	382	307	221	113	122	151	-31
12	122	125	125	<-1072	133	117	149	174	104	126	157	170
13	-288	102	112	Z ±	73	123	155	186	79	(157)	232	135
14	93	189	90	166	107	177	82	199	138	154	471	487
15	106	70	163	195	92	126	158	186	327	-88	210	198
16	131	150	<-368	195	54	73	155	167	157	-94	283	242
17	74	96	90	83	130	73	133	272	195	19	210	91
18	45	86	118	93	104	174	-262	180	129	188	188	622
19	6	74	96	624	95	126	142	177	57	157	151	188
20	10	48	112	237	111	-16	133	155	(79)	(94)	160	-126
21	170	Z ±	138	>368	98	>95	117	>411	173	94	<-298	342
22	54	106	176	Z ±	158	117	47	190	295	286	254	201
23	70	80	128	122	<95	319	Z ±	126	235	333	405	217
24	58	67	42	109	98	136	234	>506	257	135	188	132
25	96	125	218	<32	63	>727	126	161	126	129	60	176
26	<-64	<128	240	182	<-506	174	177	130	141	110	82	63
27	>1040	Z ±	144	Z ±	32	<-126	209	107	-232	38	94	104
28	<-240	Z ±	128	186	66	149	126	218	47	22	157	239
29	74	109	Z ±	128	136	41	186	281	107	229	132	257
30	(64)	(112)	147	176	123	433	180	199	226	50	94	79
31	157	163	Z ±	189	---	---	---	---	97	79	132	135
(a)	129	108	138	184	103	180	161	196	133	137	185	198
(b)	58	101	113	178	104	138	142	177	121	117	185	174
Mean.	(a) 140			(b) 113	(a) 160			(b) 140	(a) 163			(b) 149
					Annual Means.			(a)	133	155	155	191
								(b)	115	140	145	165
									(a) 159		(b) 141	

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

POTENTIAL GRADIENT (reduced to level surface): DIURNAL INEQUALITIES (in volts per metre).

The departures from the mean of the day are adjusted for non-cyclic change.†

* oa DAYS ONLY.

2. Lerwick. 1932.

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.	+9	-26	-63	-90	-85	-80	-67	-59	-8	+26	+29	+32	+11	0	+32	+24	+56	+73	+54	+47	+49	-1	+22	+15	-57	1	128
Feb.	-15	-25	-33	-60	-50	-47	-41	-30	-13	-11	-5	-3	-2	-16	-3	+22	+42	+54	+82	+50	+40	+40	+24	-2	-28	7	175
Mar.	-20	-39	-41	-31	-37	-32	-11	-19	-5	+7	+11	+7	+19	+25	+27	+25	+17	+32	+27	+21	+19	+8	+1	-11	-41	2	141
Apr.	-7	-24	-17	-4	+19	-1	0	-10	0	+5	-13	-2	+1	+21	-3	-2	-5	+21	+10	-5	-3	+15	+13	-9	+9	2	123
May.	+5	+2	-7	-23	-1	-10	-8	-8	-1	+12	-11	-17	-12	+5	+7	+11	0	+7	-4	+12	+24	+10	+8	-2	+35	10	175
June.	-20	-16	-31	-35	-36	-37	-34	-17	-16	-11	-20	-7	0	+12	+15	+21	+26	+29	+23	+32	+41	+41	+34	+9	-35	16	162
July.	-22	-20	-17	+5	+16	+15	-9	-31	-37	-32	-8	-4	-1	-23	+3	-38	-24	+12	-3	+21	+32	+65	+75	+25	+22	15	251
Aug.	-22	-31	-32	-34	-21	-3	+21	0	+3	-7	-17	-25	-18	-12	-12	-8	+7	+24	+32	+46	+55	+29	+29	-5	+18	13	160
Sept.	-8	-14	-21	-36	-29	-35	-2	+10	+19	-13	-15	-31	-16	-37	-35	-10	-2	+6	+41	+59	+55	+68	+38	+9	+41	3	138
Oct.	-37	-49	-56	-44	-47	-37	-25	-20	-8	-3	-15	-20	+13	-3	+8	+25	+39	+51	+65	+78	+65	+61	-4	-39	-13	2	177
Nov.	-51	-53	-49	-42	-15	-5	+7	+6	+3	-3	-12	-10	+9	+16	+29	+46	+42	+39	+62	+41	+27	-19	-33	-35	-3	10	157
Dec.	-19	-35	-27	-33	-34	-33	-13	-17	-11	-1	-4	+11	+11	+2	-13	-19	+15	+31	+43	+53	+61	+37	+15	-13	-67	2	123
Year.	-17	-27	-33	-36	-27	-25	-15	-16	-6	-3	-7	-6	+1	-1	+5	+8	+18	+32	+36	+38	+39	+29	+19	-5	-10	83	159
Winter.	-19	-35	-43	-56	-46	-41	-29	-25	-7	+3	+2	+7	+7	+1	+11	+18	+39	+49	+60	+48	+44	+12	+7	-9	-39	20	146
Eqnx.	-18	-31	-34	-29	-23	-26	-9	-10	+1	-1	-8	-11	+4	+1	-1	+9	+12	+27	+36	+38	+34	+38	+12	-13	-1	9	145
Summer.	-15	-16	-22	-22	-11	-9	-7	-14	-13	-9	-14	-13	-8	-5	+3	-3	+2	+18	+12	+28	+38	+36	+37	+7	+10	54	187

3. Lerwick. 1932.

* 1a AND 2a DAYS ONLY.

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.	-23	+11	-44	-49	-53	-51	-43	-48	+22	-41	-30	-19	+18	+21	+55	+34	+48	+34	+88	+57	+29	-4	+4	-18	-12	7	125
Feb.	-22	-67	-21	-23	-26	-28	-15	+2	+20	+28	+33	+23	+8	-7	-4	-1	-4	-11	+21	+31	+5	+25	+29	+4	+37	6	99
Mar.	-8	-52	-65	-37	-45	-25	-24	-16	-19	+1	+1	+7	+14	+21	+14	+23	+18	+52	+31	+10	+48	+23	+15	+13	+7	11	124
Apr.	-62	-40	-63	-48	-12	+3	-5	-14	-23	-35	-14	+6	+19	+31	+28	+17	+22	+27	+56	+41	+4	+99	+33	-69	-31	3	140
May.	+3	+18	+39	+31	+43	+59	+52	+32	+7	-43	-76	-36	-34	-81	-17	-7	-47	-8	+2	+20	+6	+6	+11	+19	+69	6	121
June.	-7	+15	+28	-3	+6	-59	+11	+45	+3	+5	+3	-16	+3	-29	-20	-59	-76	-28	+11	+47	+12	+46	+54	+7	+107	7	142
July	-41	-71	-50	-80	-71	-39	+39	+40	+63	+30	-15	-36	-5	-7	-51	-30	-10	+46	+70	+26	+12	+53	+97	+30	-113	7	232
Aug.	-36	-39	-28	-2	+18	+42	+10	-1	-20	-12	-19	-16	-20	-17	+1	+30	+12	+11	+23	+27	+39	+18	+19	-41	-7	9	141
Sept.	-55	-56	-63	-54	-43	-18	+9	+25	-3	+47	+19	+2	+12	-5	-6	-3	+6	+9	+31	+40	+43	+33	+31	-3	+24	8	120
Oct.	+24	-21	+9	+3	-35	-89	-101	-63	-69	-69	-63	-98	-28	+35	+43	+80	+109	+95	+88	+52	+37	+33	+25	+3	-11	2	159
Nov.	-10	-19	-25	-25	-14	-27	-24	-7	+11	+18	-7	-59	-36	-1	-13	+45	+57	+65	+66	+48	-23	-4	-21	+4	+20	4	125
Dec.	-40	+1	+8	-23	-45	-49	-38	-28	-31	-32	-7	-10	+33	+34	+45	+32	+44	+9	+45	+24	+31	+15	-2	-18	+8	8	133
Year.	-23	-27	-23	-26	-23	-23	-11	-3	-3	-9	-15	-21	-1	0	+6	+13	+15	+25	+44	+35	+20	+29	+25	-6	+8	78	138
Winter.	-24	-19	-21	-30	-35	-39	-30	-20	+5	-7	-3	-16	+6	+12	+21	+27	+36	+24	+55	+40	+11	+8	+3	-7	+13	25	121
Eqnx.	-25	-42	-45	-34	-34	-32	-30	-17	-29	-14	-14	-21	+4	+21	+20	+29	+39	+46	+51	+36	+33	+47	+26	-14	-3	24	136
Summer.	-20	-19	-3	-13	-1	+1	+28	+29	+13	-5	-27	-26	-14	-33	-22	-17	-30	+5	+27	+30	+17	+31	+45	+4	+14	29	159

† See page 21

* Note-for explanation of oa, 1a, and 2a Days, see page 55.

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

4. Lerwick. 1932.

Day.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.	Character.	Duration of negative pot. grad.
		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.		hrs.
1	2b	6·1	(1b)	---	1b	1·3	1b	1·3	1a	1·6	0a	...	1b	0·5	1a	0·1	1b	2·2	1b	1·3	1a	0·4	1b	2·3
2	1a	0·6	(1a)	---	1a	0·4	1b	1·1	0a	...	0a	...	0a	...	1a	0·4	1b	0·3	2b	7·4	2b	3·5	2c	10·4
3	2a	4·6	0a	...	1b	1·0	1b	1·3	1a	0·1	1a	1·2	0a	...	1a	0·4	2c	3·4	1b	1·3	1a	0·9	2c	3·1
4	2b	3·3	1a	0·1	1a	0·3	1b	1·9	1b	1·2	1a	1·3	1a	0·4	1a	1·1	1b	0·9	1b	0·6	1b	2·8	1a	0·2
5	2b	3·3	0a	...	1c	2·2	1b	2·0	1c	0·6	1a	1·0	0a	...	1b	0·8	2b	4·5	2b	4·7	0a	...	1b	0·3
6	1c	1·1	0a	...	1c	0·9	2c	3·9	1b	0·6	0a	...	1a	0·1	1b	2·4	1a	0·3	2b	4·1	0a	...	0a	...
7	1c	0·9	1b	1·3	1c	1·0	2c	6·1	1b	1·2	0a	...	0a	...	0a	...	0a	...	1a	0·2	0a	...	1a	1·2
8	1a	0·1	1a	0·2	1b	1·4	1b	0·8	2b	3·1	0a	...	0a	...	1a	0·5	0a	...	0a	...	0a	...	2b	3·1
9	2b	5·3	2c	3·5	1b	0·7	2b	3·7	1b	2·1	0a	...	0a	...	1a	0·2	1b	1·2	1b	0·8	1b	1·5	1b	1·5
10	1b	1·5	1a	1·6	1a	0·4	1b	0·5	2c	4·1	1a	2·6	0a	...	0a	...	2b	5·1	1a	1·3	1b	0·2	1b	0·7
11	1b	0·3	1a	0·7	1b	0·5	1c	2·2	1b	2·3	1b	2·4	1a	0·5	1b	0·7	1b	1·1	0a	...	0a	...	1b	1·3
12	1b	1·0	1a	1·2	1b	2·7	1c	1·4	2b	3·3	1a	0·5	0a	...	2c	4·7	1a	0·8	2b	4·6	0a	...	1a	0·5
13	2c	10·3	1b	1·0	1a	0·6	(1a)	---	1a	2·3	0a	...	0a	...	1b	2·3	1a	0·1	2b	6·4	0a	...	(0a)	...
14	1b	2·4	(1b)	---	1b	1·1	(1b)	---	0a	...	0a	...	0a	...	0a	...	1a	0·9	1b	2·4	1a	0·1	1a	0·5
15	2c	5·9	(1b)	---	1a	1·3	1a	0·1	0a	...	0a	...	0a	...	1a	1·8	1a	0·5	2b	3·2	0a	...	1b	2·8
16	1a	1·9	1b	2·2	(1a)	---	0a	...	1b	1·6	0a	...	1a	1·3	1b	0·6	2a	3·8	1b	1·3	0a	...	1b	2·0
17	1b	1·8	1b	1·5	1a	0·1	1b	0·8	1a	0·9	0a	...	1b	1·5	1b	2·3	2b	3·1	1b	2·2	0a	...	2b	4·0
18	1a	0·5	0a	...	1a	3·0	1a	0·9	1a	1·3	0a	...	1a	0·1	0a	...	1b	2·6	1b	---	2b	4·7	1b	0·6
19	1b	0·9	1b	1·2	1b	0·2	2b	8·1	1b	2·0	0a	...	(1a)	---	0a	...	2c	3·5	2b	3·3	1b	1·2	(1a)	---
20	1b	0·6	1b	1·4	1a	0·3	2c	6·1	1b	2·9	0a	...	0a	...	1b	1·8	1c	1·1	2c	6·1	2b	4·1	(1a)	1·7
21	1b	1·2	1b	1·7	0a	...	1a	0·3	1a	0·1	0a	...	2c	3·7	0a	...	2b	4·8	1c	2·2	2c	3·3	2b	3·7
22	1b	1·0	0a	...	1b	0·8	1b	2·7	0a	...	(1a)	---	1b	0·8	0a	...	2b	9·1	1b	2·9	2c	6·3	1b	0·8
23	1b	1·5	1b	1·1	1a	1·1	2b	3·3	1b	1·0	(1a)	---	0a	...	0a	...	1a	0·1	1b	1·9	1c	2·0	1b	0·3
24	1b	1·5	0a	...	1b	0·8	1b	0·8	2c	5·0	2b	4·1	1a	1·4	0a	...	1b	2·5	1b	2·8	1c	1·5	1a	0·2
25	1c	0·9	(0a)	...	2c	14·7	1c	1·7	1b	2·0	1b	1·2	1b	1·8	0a	...	2b	5·3	1b	0·7	2c	3·2	0a	...
26	0a	...	(0a)	...	0a	...	1c	2·5	0a	...	1a	1·5	1a	0·1	0a	...	1b	1·9	1c	1·9	2b	7·7	1a	0·3
27	1a	0·1	1a	0·3	1a	0·3	1b	0·6	0a	...	0a	...	0a	...	1a	1·1	1b	0·3	1c	1·5	1b	2·9	2b	5·7
28	0a	...	0a	...	2b	4·5	0a	...	0a	...	0a	...	1b	0·4	0a	...	1a	0·1	1c	1·4	1a	1·3	1b	2·4
29	1b	1·4	1b	3·0	1a	1·1	2b	9·4	0a	...	0a	...	0a	...	0a	...	0a	...	(1c)	---	1b	2·6	0a	...
30	1a	0·3			2c	12·9	2b	4·5	0a	...	1a	0·1	1b	1·7	2b	4·1	1b	0·8	(1b)	---	1b	0·3	1a	1·2
31	1a	0·1			2c	3·8			0a	...			2b	4·1	1a	0·4			1b	2·2			1a	0·2
Total	36	60·4	21	22·0	33	59·4	36	68·0	25	39·3	13	15·9	18	18·4	20	25·7	36	60·3	37	68·7	27	50·5	33	51·0
No. of days used.	31	31	29	25	31	30	30	28	31	31	30	28	31	30	31	31	30	30	31	28	30	30	31	30
Mean.	1·16	1·9	0·72	0·9	1·06	2·0	1·20	2·4	0·81	1·3	0·43	0·6	0·58	0·6	0·65	0·8	1·20	2·0	1·19	2·5	0·90	1·7	1·06	1·7

Annual Values :-

	0	1	2
Character Frequency	90	217	59

Mean Character Figure 0·92 (366 days)

Duration of negative pot. grad: Total 539·6 hrs.
No. of days 352
Mean 1·53

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 1,000 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.

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(11-3)(10-5) 56/B/1932/012/0/1/BB 140

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

D 2

5. Lerwick. (H.) 14,000 γ (·14 C.G.S.unit) + January, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	482	493	499	506	511	511	510	513	500	509	503	499	502	508	493	504	517	518	492	495	515	504	501	504	504
2 D	508	511	506	504	507	492	508	505	488	482	491	504	505	506	506	492	497	499	497	493	504	495	511	453	499
3	475	497	499	501	499	504	507	510	505	502	502	499	501	493	510	510	510	511	518	508	507	508	508	509	504
4	503	502	499	501	506	509	515	511	508	507	507	507	506	507	507	506	507	507	505	501	503	504	506	511	506
5	507	507	508	508	508	511	512	513	513	510	505	502	503	505	504	507	507	501	499	499	503	496	489	496	505
6	497	501	501	506	510	513	517	517	515	511	513	514	514	511	508	510	513	511	511	508	506	508	502	507	509
7	509	506	506	506	511	511	514	518	518	514	513	508	507	514	517	514	514	511	515	514	514	513	494	497	511
8	503	500	499	501	502	504	510	500	507	506	507	515	514	508	519	515	509	513	508	513	507	501	482	525	507
9	501	497	502	495	500	514	512	514	511	513	500	471	496	507	507	506	509	509	514	506	516	519	507	551	507
10	503	495	492	497	506	511	514	513	515	510	489	501	500	512	521	497	497	508	518	507	510	513	517	509	506
11	507	506	510	501	501	510	513	507	515	499	507	499	505	515	508	513	514	496	494	494	520	494	495	529	506
12	522	492	496	495	494	508	507	508	503	504	505	494	500	506	496	493	501	520	507	502	508	520	507	503	504
13	500	507	493	500	499	496	506	505	503	504	504	501	508	510	514	506	497	506	507	508	506	506	522	496	504
14	486	485	499	494	499	501	506	506	506	504	502	493	497	496	492	495	506	508	510	508	508	509	508	534	502
15	501	503	503	507	507	507	514	499	479	498	497	501	509	507	507	508	511	511	505	511	502	504	507	506	504
16	501	500	499	496	501	504	505	508	508	507	503	500	506	508	511	515	504	494	497	506	521	512	498	511	505
17	506	512	503	501	501	507	508	501	504	506	504	506	503	503	506	507	507	501	502	504	507	506	507	505	505
18 Q	503	503	504	504	506	507	513	508	507	504	507	509	508	508	508	508	506	506	507	505	507	508	506	506	307
19 Q	502	502	502	503	503	508	508	506	506	505	502	503	506	506	508	509	513	511	514	502	497	503	507	507	506
20 Q	500	506	501	504	506	510	510	511	512	508	504	500	503	507	511	508	502	504	510	510	510	509	507	507	507
21 Q	507	506	507	508	510	513	514	513	513	510	509	509	508	507	509	510	511	512	515	514	513	513	511	510	511
22 Q	511	511	511	513	514	515	520	518	517	516	512	507	507	508	511	511	513	513	513	511	510	508	509	510	512
23	511	514	514	516	518	519	520	521	519	514	511	508	507	511	514	515	518	517	518	517	514	506	513	511	514
24	513	513	515	516	522	524	524	524	527	524	515	511	501	502	511	507	501	503	504	511	511	510	501	481	511
25 D	511	511	512	510	501	528	523	522	511	508	495	478	495	506	511	475	479	495	502	515	495	501	499	508	504
26 D	510	503	507	509	508	508	506	505	508	488	481	487	494	503	506	507	501	500	496	503	509	510	477	455	499
27 D	457	458	489	507	510	520	511	515	509	495	488	485	488	487	499	535	501	520	502	501	510	499	503	459	498
28 D	499	480	482	481	499	514	509	501	494	490	489	487	460	470	496	511	508	506	492	496	510	509	532	504	497
29	493	478	492	503	502	509	518	516	509	501	489	492	496	495	508	510	511	513	513	512	506	511	501	503	503
30	510	505	507	506	508	516	515	514	513	511	506	499	495	502	509	513	513	506	511	514	511	511	514	517	509
31	510	510	504	492	510	525	519	516	505	501	477	489	495	501	510	499	484	507	516	514	514	514	512	509	506
Mean	502	500	502	503	506	511	513	511	508	505	501	499	501	504	508	507	506	508	507	507	509	507	505	504	505

MAGNETIC DECLINATION (WEST).

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

6. Lerwick. (D.) 13° + January, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	47·7	53·7	53·1	54·3	54·3	54·9	54·9	53·7	53·5	55·1	54·9	55·4	56·0	53·7	52·3	53·5	54·7	52·0	51·2	44·0	42·5	50·0	51·6	52·3
2 D	53·1	56·0	51·6	50·8	53·3	54·5	52·3	55·8	56·0	55·1	57·8	54·5	56·4	56·6	56·8	53·5	58·1	38·6	49·6	51·2	47·1	49·3	31·3	44·4	51·8
3	45·4	50·6	53·9	52·3	56·2	56·2	58·3	54·5	53·7	52·5	53·5	54·3	56·4	55·2	54·3	54·7	53·5	53·7	41·2	47·9	52·0	52·2	51·4	48·5	52·6
4	50·2	50·6	52·5	53·1	52·9	52·9	53·3	53·5	53·3	53·1	53·5	54·5	55·0	54·9	54·3	54·3	53·9	53·5	54·1	49·6	49·5	50·4	51·4	52·9	52·8
5	53·7	53·7	53·5	53·3	56·1	53·3	53·1	52·9	52·3	52·5	53·5	54·7	55·4	55·6	54·7	54·1	54·3	52·3	51·6	54·5	53·1	48·3	45.4	50·6	52·9
6	52·2	53·3	53·5	53·9	53·7	54·1	54·3	54·1	54·1	53·7	54·1	56·0	56·4	56·6	55·8	54·7	54·3	54·9	53·9	53·5	53·1	48·9	48·9	51·6	53·7
7	52·9	52·9	52·9	52·7	52·9	53·1	53·3	52·0	52·0	52·9	53·9	54·9	56·0	55·6	55·1	55·1	55·1	54·7	54·5	55·8	48·5	35·7	45·0	51·6	52·5
8	52·7	52·3	53·1	53·7	53·5	54·3	56·0	55·2	55·4	53·1	55·2	55·8	59·1	57·2	57·9	60·5	60·3	58·5	58·7	53·7	50·6	48·7	55·2	49·8	55·0
9	48·9	49·6	54·3	57·0	55·8	53·5	51·4	52·0	52·7	52·0	53·9	51·4	54·3	56·4	55·2	48·9	53·7	52·7	42·9	51·8	50·4	49·6	50·0	43·5	51·7
10	51·6	46·8	51·6	51·4	52·3	52·6	52·3	51·6	52·2	53·7	54·1	55·2	56·8	52·5	55·1	48·7	50·0	54·1	46·8	52·3	51·4	51·8	51·6	52·0	52·0
11	52·3	52·2	52·0	53·7	50·0	50·6	53·7	55·6	56·6	54·7	55·1	55·2	55·1	57·2	55·6	53·3	54·3	52·3	32·7	52·5	38·8	46·9	51·6	44·6	51·5
12	46·6	48·9	52·0	52·9	55·8	52·3	52·5	56·2	58·9	56·2	56·0	56·4	54·7	56·4	52·9	55·4	55·8	46·2	50·0	52·2	51.0	49·6	51·0	50·6	52·9
13	51·0	48·1	49·8	50·4	50·4	52·0	52·5	51·6	50·8	53·3	54·3	55·1	54·9	55·4	55·2	54·9	52·2	53·9	53·7	52·5	51·6	48·5	44·6	48·4	51·9
14	53·6	55·5	48·4	50·5	49·5	51·7	51·7	51·9	51·9	52·6	55·0	55·9	57·8	57·7	58·0	57·1	53·6	53·0	52·8	52·1	51·5	50·9	45·9	40·9	52·5
15	52·4	53·0	52·2	52·1	52·6	52·2	52·1	53·2	59·2	63·4	58·2	55·5	54·6	55·3	53·4	52·8	53·0	54·2	51·9	37·6	44·5	51·3	52·3	52·8	52·9
16	52·2	52·1	51·9	53·8	51·3	51·9	52·1	52·6	52·8	53·6	54·4	55·3	54·6	55·3	55·1	55·3	56·5	54·2	56·5	51·9	49·5	50·3	48·0	48·2	52·9
17	49·2	51·1	49·0	49·9	50·3	50·5	50·9	51·1	50·9	51·5	53·2	54·4	55·1	55·5	54·2	54·4	48·2	47·2	52·8	52·2	51·3	51·1	51·3	51·5	51·5
18 Q	52·6	52·6	52·4	51·9	52·1	53·2	53·0	52·8	51·9	52·2	53·6	55·3	54·8	54·6	53·6	53·2	53·0	52·8	52·6	51·7	50·5	52·2	51·5	51·9	52·7
19 Q	51·7	51·9	51·7	51·9	52·1	51·1	50·9	50·7	50·7	51·3	52·6	53·2	54·8	54·8	54·2	53·6	53·2	53·2	53·2	52·4	51·1	50·9	50·9	50·5	52·2
20 Q	51·9	49·7	49·7	52·1	52·4	52·8	52·2	51·5	51·2	52·2	53·6	55·3	56·3	57·5	58·2	59·4	56·7	55·1	53·6	52·6	51·9	51·5	49·7	50·3	53·2
21 Q	50·7	51·9	52·2	52·6	52·6	52·1	51·9	51·5	51·1	51·5	52·8	53·8	54·8	55·1	55·0	54·2	53·6	53·2	53·0	52·8	51·1	50·9	50·1	49·2	52·4
22 Q	50·5	52·1	52·6	52·8	52·8	53·0	52·4	51·7	50·7	50·3	51·9	53·6	55·1	55·7	55·5	55·0	54·2	53·6	53·2	53·0	53·0	51·3	50·7	50·9	52·7
23	51·3	54·4	52·2	52·2	52·6	52·6	52·2	51·7	50·9	50·9	52·4	54·0	55·1	55·7	55·0	54·0	53·8	54·0	53·6	53·2	49·9	48·0	50·9	51·3	52·6
24	52·1	53·6	53·4	52·2	51·9	52·8	53·2	53·6	53·6	52·8	52·6	54·2	54·6	55·3	56·9	56·7	58·4	56·7	51·3	50·3	52·2	51·1	47·0	40·3	52·8
25 D	50·5	51·9	52·3	52·7	58·7	52·0	52·5	52·7	52·9	53·5	54·7	56·0	56·4	56·2	57·2	49·4	54·3	51·2	45·2	41·1	45·2	45·4	49·1	48·3	51·6
26 D	49·6	51·0	52·7	51·8	51·6	53·1	57·0	58·9	55·8	52·5	54·1	53·9	54·5	55·4	55·4	55·2	53·1	51·0	43·3	51·3	51·0	43·3	26·7	39·6	50·9
27 D	38·6	43·7	54·3	52·5	52·9	52·7	54·5	55·2	53·5	53·5	54·1	52·5	55·2	58·9	54·3	45·2	55·0	44·6	51·8	49·8	40·6	48·3	49·6	37·9	50·4
28 D	49·4	46·4	52·1	47·0	55·2	53·5	52·5	52·5	53·7	54·5	52·9	53·3	51·6	52·5	56·4	54·7	55·8	52·1	35·7	48·1	47·5	46·6	45·6	47·7	51·1
29	47·5	54·3	53·9	51·8	52·3	52·1	52·9	51·8	52·3	52·0	52·5	52·7	54·9	54·5	52·7	52·7	52·3	52·7	53·3	52·5	48·5	48·5	45·8	51·0	51·9
30	48·9	50·0	51·0	53·7	53·9	50·4	51·0	51·4	51·0	50·8	52·3	53·5	53·7	54·9	53·7	52·5	52·5	51·8	53·1	52·9	52·3	47·1	45·6	46·6	51·4
31	44·4	49·4	51·0	56·0	51·8	50·6	51·4	52·5	54·5	52·1	52·7	53·3	54·5	54·5	54·9	55·4	48·7	52·7	52·3	52·3	51·4	51·0	48·5	45·6	51·7
Mean	50·2	51·2	52·2	52·3	52·9	52·6	53·0	53·1	53·2	53·1	54·0	54·5	55·3	55·7	55·2	53·9	54·0	52·4	50·4	51·2	49·5	48·8	48·0	48·2	52·3

-·36

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

B/1932/013/01/BB140

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

8/ Mean values for periods of sixty minutes ending at the Hours of Greenwich Mean Time.

7. Lerwick. (V.) D2 — 46,000 γ (·46 C.G.S.unit) + — January, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	608	614	622	637	641	642	651	654	661	660	660	659	655	655	671	673	659	659	687	686	666	658	655	654	654
2 D	642	614	601	625	628	622	635	645	659	664	672	664	662	662	670	690	698	738	706	693	691	676	633	601	658
3	607	636	651	651	644	641	645	655	660	667	668	668	671	675	672	671	668	668	670	667	663	664	666	663	659
4	661	657	659	663	664	662	659	663	666	666	667	671	669	670	669	669	667	666	670	673	674	671	670	664	666
5	667	666	668	668	668	667	667	668	670	671	673	675	674	677	678	678	676	681	688	688	690	698	699	690	677
6	686	684	682	680	677	676	673	674	674	678	676	677	679	685	688	686	685	682	683	683	685	686	691	685	681
7	682	683	683	682	677	675	674	670	669	672	674	674	677	681	682	685	685	686	682	684	714	720	678	678	682
8	681	683	685	683	679	679	666	672	670	672	676	675	681	683	687	693	715	721	736	720	711	705	651	609	685
9	649	668	672	663	644	648	665	671	672	671	679	695	689	686	689	701	699	696	702	689	677	654	666	647	675
10	634	637	643	660	666	669	667	667	664	662	669	668	671	678	677	693	702	687	685	675	675	667	660	658	668
11	661	661	655	640	647	658	660	663	658	661	664	671	671	678	684	682	681	695	717	706	706	681	679	665	673
12	644	660	664	667	668	666	669	669	666	666	667	674	680	684	703	712	705	708	697	692	684	668	652	664	676
13	665	681	685	662	667	672	670	671	676	676	674	676	672	674	677	683	692	688	688	686	687	689	673	676	677
14	676	633	645	653	667	675	678	679	678	677	677	679	681	687	693	694	688	686	686	690	688	687	684	662	677
15	682	679	677	679	679	681	682	680	689	668	676	678	680	682	683	683	683	685	696	702	703	696	690	684	684
16	684	682	679	676	672	676	679	678	678	678	678	681	681	680	682	682	689	712	716	707	681	654	634	632	679
17	646	646	665	671	676	676	681	683	684	682	682	681	681	682	684	684	693	697	689	687	688	688	686	685	680
18 Q	684	684	683	682	682	680	675	678	678	678	678	680	682	683	683	685	686	686	686	685	686	686	686	686	683
19 Q	686	685	683	682	681	679	679	679	679	679	681	683	684	682	680	679	678	677	679	687	682	685	688	689	682
20 Q	684	676	677	677	679	678	678	678	678	681	681	680	681	684	684	687	692	692	691	689	689	691	692	692	684
21 Q	690	690	690	690	688	686	685	686	686	687	687	687	687	687	687	687	687	687	687	687	688	686	687	684	687
22 Q	683	683	683	683	681	678	675	676	676	676	676	680	681	680	680	680	678	678	677	678	680	680	680	679	679
23	678	671	667	671	674	674	673	672	673	673	672	673	677	674	676	678	677	678	675	675	678	681	675	674	675
24	672	672	670	673	671	670	668	667	664	665	668	670	674	677	678	683	689	692	702	696	684	677	668	670	676
25 D	646	654	663	663	662	650	663	666	668	668	673	680	674	675	682	732	742	738	710	688	680	680	673	657	679
26 D	638	634	630	644	653	658	651	651	655	665	673	668	667	666	668	677	684	692	713	698	680	672	653	605	662
27 D	573	581	605	638	658	660	661	661	664	666	664	672	674	675	690	744	727	719	695	691	676	671	648	583	662
28 D	559	571	618	615	626	641	653	657	661	662	663	664	688	714	674	666	673	678	704	684	670	652	615	612	651
29	621	602	609	638	648	650	648	655	659	661	667	665	662	663	662	659	658	659	659	662	668	662	661	647	652
30	633	644	648	647	640	639	648	650	653	656	656	659	663	662	660	661	664	669	666	665	670	671	657	632	655
31	631	640	646	636	631	639	647	650	656	658	672	671	664	662	663	672	693	669	659	659	659	659	659	660	656
Mean.	653	654	658	661	663	663	665	667	669	670	672	674	675	678	679	685	688	689	690	686	683	678	668	658	672

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

8. Lerwick. — January, 1932.

Day.	Horizontal Force. Maximum 14,000 γ + (h. m.)	(γ)	Horizontal Force. Minimum 14,000 γ + (γ)	(h. m.)	Range (γ)	Declination. Maximum 13° + (h. m.)	(′)	Declination. Minimum 13° + (′)	(h. m.)	Range (′)	Vertical Force. Maximum 46,000 γ + (h. m.)	(γ)	Vertical Force. 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	20 28	546	458	0 33	88	18 4	57·9	26·9	20 24	31·0	18 56	707	598	0 50	109	636	1	75·1
2 D	22 29	566	375	23 4	191	12 2	60·5	18·2	22 24	42·3	17 36	769	583	23 50	186	1144	2	75·3
3	18 26	534	465	0 35	69	6 17	60·5	37·3	18 24	23·2	13 55	680	586	0 0	94	538	1	75·4
4	6 41	518	496	19 49	22	12 10	55·4	44·6	19 55	10·8	19 55	677	655	1 27	22	135	0	75·6
5	6 16	514	483	21 50	31	13 25	56·2	41·9	21 58	14·3	21 53	701	665	6 16	36	213	0	77·0
6	17 0	520	493	0 33	27	13 14	57·2	43·7	22 7	13·5	22 33	693	671	7 34	22	142	0	77·6
7	21 2	540	490	22 22	50	20 9	56·6	32·5	21 34	24·1	20 55	759	668	8 0	91	497	1	77·3
8	23 18	558	422	22 48	136	16 35	65·7	44·8	23 10	20·9	18 14	749	599	22 56	150	896	1	76·7
9	23 37	583	460	11 42	123	3 54	62·0	30·5	18 8	31·5	18 6	716	616	0 0	100	644	1	76·4
10	18 35	546	474	10 40	72	12 41	57·9	35·2	18 23	22·7	16 17	708	633	1 17	75	453	1	75·0
11	23 53	564	475	18 14	89	13 34	58·3	18·8	18 23	39·5	20 17	730	636	24 0	94	567	1	76·1
12	17 50	556	472	15 37	84	8 14	61·6	29·6	17 43	32·0	17 40	735	639	22 0	96	569	1	76·8
13	22 23	538	487	2 31	51	14 8	57·0	37·3	22 9	19·7	17 5	694	640	1 53	54	326	1	77·0
14	23 5	574	469	1 6	105	1 2	62·3	22·5	23 0	39·8	14 40	697	626	1 32	71	483	1	77·6
15	19 13	545	471	8 34	74	9 15	65·2	32·6	19 9	32·6	19 0	712	665	9 51	47	326	1	77·5
16	20 42	542	465	22 33	77	18 50	59·0	44·5	20 34	14·5	18 59	730	624	22 16	106	606	1	77·7
17	0 57	522	493	17 29	29	13 20	56·3	42·2	17 4	14·1	17 32	703	638	1 14	65	345	1	78·1
18 Q	6 32	514	499	19 23	15	11 24	56·1	48·4	20 15	7·7	0 0	686	673	6 33	13	83	0	78·4
19 Q	18 20	514	495	21 35	19	12 45	55·1	49·5	21 7	5·6	20 37	700	677	18 0	23	135	0	79·0
20 Q	14 25	514	496	0 30	18	15 32	60·2	48·6	2 15	11·6	23 10	696	674	1 28	22	129	0	79·3
21 Q	22 58	518	504	13 25	14	14 5	55·3	48·4	23 20	6·9	0 35	692	677	23 5	15	90	0	79·5
22 Q	6 40	520	506	11 46	14	13 14	56·1	49·2	0 0	6·9	0 55	684	674	6 15	10	67	0	79·3
23	20 55	521	501	21 30	20	1 43	56·5	44·9	20 56	11·6	20 48	687	662	2 3	25	146	0	78·8
24	8 19	529	468	23 23	61	16 25	59·0	30·4	23 15	28·6	18 52	718	650	24 0	68	405	1	78·8
25 D	19 15	539	460	15 23	79	4 36	62·2	19·7	18 56	42·5	16 0	768	643	5 8	125	698	1	79·2
26 D	21 53	542	405	23 55	137	7 19	61·6	11·0	22 20	50·6	18 33	718	573	23 54	145	875	1	79·0
27 D	15 29	728	411	0 0	317	16 41	62·4	19·9	15 25	42·5	15 28	816	555	23 44	261	1676	2	78·9
28 D	22 10	559	428	13 1	131	14 0	58·5	24·4	18 20	34·1	13 25	728	546	1 0	182	1038	2	79·4
29	21 46	540	459	1 3	81	1 58	61·0	42·1	22 16	18·9	20 57	677	596	1 24	81	494	1	79·9
30	22 34	547	488	12 12	59	23 8	55·4	39·8	22 53	15·6	21 52	674	627	0 16	47	305	1	79·8
31	0 0	530	464	15 54	66	15 35	57·0	41·7	0 16	15·3	16 15	702	625	0 0	77	455	1	79·2
Mean.	-- --	545	469	-- --	76	-- --	58·9	35·5	-- --	23·4	-- --	713	632	-- --	81	488	0·81	77·7
No. of Days Used	-- --	31	31	-- --	31	-- --	31	31	-- --	31	-- --	31	31	-- --	31	31	31	31

§ For explanation see page 38. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

LE 11-2 022

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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	503	511	508	509	510	513	514	513	513	509	501	496	495	500	506	512	513	516	517	512	512	508	503	496	508
2 Q	508	510	508	510	515	514	517	517	516	509	501	500	500	503	508	512	514	516	516	511	513	514	521	517	511
3 D	517	520	517	511	512	510	525	530	511	495	506	515	508	511	486	516	524	511	524	521	509	491	478	457	509
4 D	475	435	384	489	509	506	498	499	494	501	471	457	482	502	510	517	522	522	515	514	500	503	499	509	492
5	503	490	497	496	486	497	496	507	504	501	503	499	499	504	504	510	507	493	500	501	509	506	493	495	500
6	490	490	499	499	501	510	513	510	490	486	482	479	491	503	509	512	507	508	496	499	500	508	491	487	498
7	486	497	502	493	496	502	503	510	502	499	492	497	496	505	503	500	512	508	498	504	502	484	496	487	499
8	488	476	500	495	504	505	504	511	511	497	499	483	489	489	498	489	505	503	497	515	496	493	498	500	498
9	503	498	500	503	504	504	502	498	495	500	498	478	477	489	500	508	507	506	484	483	490	503	522	502	498
10 D	498	488	477	490	500	505	506	482	504	504	490	489	498	502	510	481	490	509	516	519	501	488	487	496	497
11 D	480	498	493	501	498	502	505	508	511	501	499	495	498	508	505	515	533	511	597	501	502	483	455	484	499
12	473	489	477	473	497	500	501	510	503	500	489	491	490	501	506	514	512	501	500	504	512	500	499	491	497
13	501	506	507	504	505	508	500	508	505	499	492	477	497	510	501	501	507	506	502	498	500	501	512	501	502
14	503	492	483	488	502	498	501	502	501	499	488	477	483	495	507	507	506	506	510	503	493	501	502	493	498
15	507	490	494	497	506	508	507	507	501	497	495	495	500	495	502	503	503	504	506	513	502	504	503	495	501
16 Q	498	493	499	500	500	501	504	503	495	492	492	492	493	495	499	504	506	506	504	501	500	501	502	498	499
17 Q	497	498	500	499	497	502	503	501	498	494	488	488	492	498	504	504	509	509	510	507	506	505	498	498	500
18	501	500	502	503	506	509	512	511	505	499	498	495	499	506	511	514	515	515	513	505	503	489	485	491	504
19	497	497	490	498	507	512	521	519	515	509	503	499	498	503	507	515	518	514	524	518	519	518	519	516	510
20	515	513	515	515	518	502	531	518	493	477	494	499	501	505	519	514	492	498	502	508	494	498	505	504	505
21	501	500	502	505	507	508	508	509	507	500	484	494	495	489	486	498	504	503	505	502	504	505	505	504	501
22	504	499	501	501	503	509	508	512	498	482	496	496	499	484	495	497	496	495	494	495	500	495	510	491	498
23 D	476	478	493	494	494	494	500	497	494	493	494	495	501	504	508	511	512	515	520	578	490	489	493	496	501
24	494	495	502	495	500	509	504	508	500	495	470	452	472	488	501	502	502	498	502	502	505	516	512	507	497
25	496	497	498	488	472	480	507	509	503	495	491	484	487	497	497	501	491	506	500	513	506	507	507	513	498
26	507	502	490	499	504	509	513	513	508	500	488	482	484	490	500	499	504	506	509	512	511	508	504	504	502
27 Q	504	503	501	503	501	504	507	507	501	492	490	487	489	495	500	506	510	508	499	510	509	507	507	506	502
28 Q	505	505	505	505	506	507	505	505	505	499	489	487	490	491	497	502	500	504	507	507	506	504	504	503	502
29	503	501	501	502	507	507	508	508	505	497	491	488	494	501	502	502	502	507	506	507	507	506	506	507	503
Mean	498	496	495	499	502	505	508	508	503	497	492	488	493	499	503	506	508	507	506	509	503	501	501	498	501

021

MAGNETIC DECLINATION (WEST).

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

10. Lerwick. (D.) — 13° + — February, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	49·4	53·9	50·4	51·0	51·4	51·6	51·6	51·2	50·8	50·8	52·1	52·9	54·3	55·4	54·7	54·3	53·5	52·9	52·5	52·7	51·4	48·3	46·2	50·2	51·8
2 Q	52·3	50·2	52·0	50·8	51·2	51·4	51·4	51·8	52·7	52·3	52·9	53·3	53·9	54·3	53·5	52·7	52·1	52·0	51·3	51·4	51·8	52·0	49·8	49·8	52·0
3 D	51·8	51·8	51·0	50·2	49·4	48·7	50·4	50·6	52·0	51·8	51·8	57·7	59·5	63·1	63·7	62·0	49·1	57·0	50·8	40·8	40·2	42·9	37·5	40·0	51·0
4 D	41·7	52·1	64·1	45·0	48·5	48·1	50·8	51·8	55·8	51·6	52·3	54·7	55·2	55·8	51·0	48·3	43·5	41·7	42·7	41·5	46·0	49·8	48·5	49·3	49·6
5	47·3	52·3	52·5	51·4	53·5	54·9	57·6	54·3	53·5	52·3	52·0	54·3	54·5	55·2	55·2	54·5	48·1	45·6	50·6	52·9	48·5	50·2	47·1	48·1	51·9
6	54·9	53·1	53·7	49·7	49·7	50·3	49·9	49·9	50·5	52·8	53·4	54·0	54·2	59·2	53·0	52·8	53·8	52·6	49·9	48·2	49·7	48·2	47·8	50·9	51·8
7	51·5	50·5	49·9	49·0	51·3	51·7	51·7	50·9	51·7	50·9	51·7	53·2	53·6	55·3	56·7	54·0	53·0	52·0	50·9	40·3	49·5	46·6	49·7	47·8	51·0
8	41·4	47·5	50·1	48·2	49·3	48·4	49·3	49·9	49·3	51·5	51·3	54·0	53·8	55·5	53·4	51·5	46·1	42·2	49·2	41·8	46·1	47·4	50·7	50·7	49·1
9	48·4	50·1	51·3	51·5	51·5	51·3	50·1	50·7	52·0	50·5	53·4	53·8	54·4	54·4	54·0	53·2	52·2	51·7	45·5	44·5	48·4	49·9	47·0	47·8	50·7
10 D	48·8	53·0	53·6	52·6	51·2	50·1	49·2	52·2	53·0	53·4	55·6	54·0	55·1	54·2	57·5	51·3	43·7	50·1	39·5	40·3	39·5	42·2	47·6	51·1	49·9
11 D	52·8	50·5	52·9	49·9	50·3	51·5	50·5	50·3	50·9	51·3	52·6	55·1	55·3	57·3	55·5	54·0	40·7	39·1	42·4	50·7	48·2	46·8	49·7	40·3	49·7
12	47·0	48·2	54·0	55·3	46·1	43·9	47·8	49·7	50·3	52·0	52·8	52·6	55·3	56·5	55·7	55·3	44·3	44·5	51·1	51·7	51·5	47·8	53·4	37·2	50·2
13	42·0	53·4	50·1	49·5	51·7	49·9	52·8	51·3	51·9	51·9	54·6	53·4	54·8	55·5	59·2	54·9	52·8	46·1	47·0	50·3	52·0	51·7	48·0	48·8	51·4
14	50·1	49·7	46·5	46·8	41·2	44·1	49·0	49·2	49·5	51·1	53·8	54·9	55·1	56·3	55·5	53·6	52·8	51·9	52·4	53·2	46·5	50·5	49·7	51·5	50·6
15	47·8	47·6	49·9	48·8	48·4	48·2	49·2	50·1	50·1	51·7	53·2	53·2	56·1	55·9	55·9	55·1	54·2	53·8	52·4	46·1	51·1	49·3	46·6	47·8	50·9
16 Q	49·9	52·4	50·3	50·1	49·3	49·7	49·3	49·3	49·3	49·7	51·3	53·2	54·9	55·1	55·1	53·8	52·8	52·6	51·9	50·7	50·9	50·1	47·6	47·8	51·1
17 Q	48·8	49·3	49·5	49·5	49·9	49·0	49·0	49·2	49·2	49·7	51·1	52·8	54·4	54·9	54·4	52·6	52·0	51·5	51·5	51·5	51·7	51·3	48·0	49·9	50·9
18	50·9	51·3	51·1	51·1	50·9	50·5	50·3	50·1	49·5	50·1	50·9	52·4	54·6	54·8	54·4	53·6	53·2	53·4	52·8	52·0	51·1	42·0	40·9	46·1	50·7
19	46·5	44·3	44·9	45·5	46·3	47·8	45·9	45·9	48·4	50·1	52·5	53·9	55·4	56·2	55·6	55·0	54·3	53·5	53·7	54·3	53·5	52·5	52·1	51·9	50·8
20	50·8	51·4	48·1	48·3	48·7	57·3	53·3	52·3	54·8	60·6	55·4	55·6	55·6	55·4	56·2	58·9	53·7	51·9	40·4	40·9	49·0	49·2	47·9	49·0	51·9
21	51·0	51·2	51·0	51·0	51·2	50·6	51·0	50·8	51·7	53·1	53·5	53·9	56·0	57·3	55·2	53·7	51·5	51·2	50·8	49·0	49·2	49·6	49·4	50·0	51·8
22	51·5	53·1	51·9	51·5	51·9	51·9	53·1	55·2	55·2	54·3	53·3	55·6	58·1	58·9	55·2	54·6	44·4	38·2	49·2	53·7	52·7	50·8	46·9	45·8	52·0
23 D	41·5	42·1	45·6	47·1	47·3	48·1	48·5	49·8	50·8	51·2	52·7	53·9	54·6	54·3	54·3	53·7	53·5	55·0	55·0	27·2	24·9	47·3	49·2	51·2	48·3
24	51·2	51·7	48·7	48·7	50·8	50·8	51·2	51·7	50·0	52·7	54·6	55·2	58·9	54·6	53·5	53·7	51·7	49·2	43·8	48·7	47·9	47·1	49·4	49·6	51·1
25	48·8	54·8	50·8	54·3	51·2	54·3	50·2	50·6	51·9	52·1	53·5	54·6	54·8	56·2	54·8	52·9	49·6	49·4	50·2	43·8	49·8	50·6	49·4	50·6	51·6
26	49·2	51·7	53·9	51·9	52·5	50·8	50·6	50·4	50·0	51·2	52·9	55·2	56·8	55·4	55·2	52·9	50·6	51·9	51·7	49·2	50·6	49·6	50·4	50·8	51·9
27 Q	51·4	51·7	51·2	50·4	50·2	50·8	50·2	49·8	48·8	49·0	50·2	53·1	55·2	55·4	55·0	53·7	52·5	52·1	51·2	52·1	51·7	51·2	50·8	50·6	51·6
28 Q	50·6	50·6	50·6	50·6	50·8	50·2	50·4	49·6	49·0	49·2	50·6	52·5	55·4	55·6	55·0	53·9	52·1	52·1	52·1	51·4	51·2	50·8	50·8	50·6	51·5
29	50·8	51·5	52·1	51·5	50·4	50·5	50·0	49·4	48·8	49·4	50·8	52·7	54·3	52·7	53·9	51·9	50·8	51·2	51·5	51·7	52·1	51·4	51·0	51·7	51·3
Mean	49·0	50·8	51·1	50·0	49·9	50·3	50·5	50·6	51·1	51·7	52·6	54·0	55·3	55·9	55·2	53·9	50·4	49·9	49·5	47·7	48·3	48·9	48·4	48·5	51·0

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

023

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

46,000 γ (·46 C.G.S.unit) +

11. Lerwick. (V.) February, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	660	642	648	650	651	651	653	656	657	657	658	660	661	661	661	658	657	657	659	661	662	665	666	663	657
2 Q	642	647	656	657	656	657	657	656	658	660	662	662	661	660	659	656	656	656	656	658	659	658	655	656	657
3 D	654	653	653	653	650	648	639	637	642	649	653	658	659	671	688	698	730	692	715	685	586	668	513	538	655
4 D	592	584	516	584	635	643	646	657	649	652	667	693	678	678	703	717	730	696	684	671	632	639	653	668	653
5	619	635	638	641	634	628	629	638	653	654	662	665	666	668	669	671	686	707	693	678	673	648	657	653	657
6	624	618	642	638	651	657	658	658	660	660	662	667	663	665	680	660	656	659	670	674	683	655	615	619	653
7	617	632	643	648	647	637	637	636	646	648	647	644	648	651	658	661	657	656	662	656	634	651	643	601	644
8	611	616	602	628	638	641	643	644	646	645	646	653	654	659	675	678	675	673	661	648	631	638	638	638	645
9	634	638	643	643	643	643	643	643	641	639	640	647	651	645	644	648	648	656	679	674	664	652	622	620	646
10 D	625	623	605	615	640	641	636	639	631	627	630	635	637	641	651	685	713	674	656	640	645	641	627	609	640
11 D	573	595	624	632	637	638	639	639	633	637	638	637	632	633	636	642	653	664	648	651	646	607	550	539	626
12	560	586	599	583	587	599	620	629	631	631	633	641	639	639	648	648	671	683	672	663	652	650	599	576	627
13	580	605	626	638	639	631	639	642	642	645	646	652	652	652	663	667	660	660	667	686	664	658	630	635	645
14	632	607	586	594	593	616	630	637	641	639	638	645	645	644	653	655	645	643	641	651	664	649	642	611	633
15	578	598	607	614	620	624	625	626	631	632	633	634	633	634	637	639	641	641	639	639	640	639	636	634	628
16 Q	617	620	621	626	630	630	630	631	633	634	633	632	631	631	631	630	630	630	631	633	635	637	634	633	630
17 Q	630	629	626	627	624	624	625	626	627	629	628	626	623	623	624	625	625	624	624	624	625	627	632	629	626
18	625	624	623	621	619	617	616	617	620	621	621	621	618	618	619	618	618	616	617	622	623	636	627	617	621
19	609	603	603	556	563	584	585	594	598	603	607	612	613	612	612	612	613	613	610	615	618	616	614	616	603
20	613	603	584	597	599	596	569	588	602	610	613	616	618	620	624	642	655	653	658	631	626	622	613	612	615
21	613	613	617	617	617	616	614	613	609	609	616	617	620	627	638	630	628	627	622	623	617	615	614	615	619
22	615	613	609	613	612	607	605	601	605	612	606	606	610	630	659	663	668	648	630	622	616	617	608	599	620
23 D	586	549	564	581	596	604	605	607	607	607	606	604	602	604	606	608	614	611	621	710	629	644	616	607	608
24	605	598	576	590	601	596	599	597	606	606	615	626	619	633	628	621	622	626	626	619	616	601	594	589	609
25	590	573	588	582	570	562	590	599	605	606	609	611	613	615	617	629	640	633	629	621	614	611	609	599	605
26	594	602	599	591	600	604	608	609	611	608	609	609	613	613	614	620	624	621	619	617	614	613	611	610	610
27 Q	602	599	603	606	609	610	610	610	610	610	607	604	601	603	605	606	611	613	618	612	611	610	607	607	608
28 Q	606	605	605	605	604	606	607	608	608	607	606	606	604	605	606	609	610	610	610	612	613	612	610	610	608
29	609	607	603	599	599	603	605	605	606	606	605	605	604	604	604	605	605	605	607	608	609	611	610	607	605
Mean.	611	611	610	615	619	621	623	626	628	629	631	634	633	636	642	645	650	646	646	645	638	634	619	614	629

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

12. Lerwick. February, 1932.

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	1 37	520	490	23 34	30	1 13	58·3	44·2	22 27	14·1	21 55	668	634	1 40	34	201	0	79·2
2 Q	22 36	530	496	0 0	34	0 0	54·9	48·5	22 56	6·4	20 0	663	637	0 55	26	170	0	79·3
3 D	22 19	570	387	22 26	183	13 28	70·3	24·9	22 40	45·4	16 14	761	472	22 48	289	1612	2	79·5
4 D	20 15	586	304	2 12	282	2 23	70·9	21·1	16 48	49·8	16 48	758	495	2 30	263	1635	2	79·8
5	21 3	553	472	21 50	81	6 0	60·4	40·0	17 14	20·4	18 13	713	608	0 1	105	606	1	79·9
6	21 29	530	458	22 45	72	13 40	60·5	41·0	22 8	19·5	20 38	690	599	22 40	91	528	1	79·7
7	19 52	529	472	23 13	57	20 6	60·2	32·0	19 12	28·2	19 51	672	588	23 29	84	474	1	79·6
8	19 5	536	455	15 15	81	13 16	57·8	33·5	16 50	24·3	15 17	695	590	2 14	105	606	1	79·3
9	22 46	533	470	11 43	63	21 53	58·0	37·6	18 40	20·4	18 40	688	578	23 15	110	604	1	78·9
10 D	18 53	541	450	15 50	91	23 58	60·7	24·3	18 43	36·4	16 20	724	596	2 51	128	728	1	78·5
11 D	16 56	572	424	22 50	148	0 0	60·5	18·5	16 52	42·0	17 48	676	514	22 50	162	970	1	78·0
12	16 30	534	456	3 9	78	22 34	60·7	22·9	23 16	37·8	17 45	693	547	22 55	146	793	1	77·8
13	22 8	522	472	11 14	50	14 35	62·5	38·2	0 28	24·3	19 25	692	561	0 0	131	683	1	77·4
14	18 31	518	470	11 34	48	13 32	57·3	39·3	4 39	18·0	20 18	674	582	2 18	92	499	1	77·3
15	19 36	524	474	1 4	50	12 51	56·7	43·6	19 31	13·1	19 2	645	572	0 30	73	413	1	77·2
16 Q	17 55	508	488	1 4	20	13 16	55·3	45·3	23 2	10·0	21 46	638	609	0 15	29	164	0	77·2
17 Q	18 10	510	485	10 35	25	13 13	55·1	45·7	22 28	9·4	22 37	634	621	5 0	13	97	0	77·4
18	16 37	519	478	22 40	41	13 33	55·1	36·8	21 55	18·3	21 27	641	613	24 0	28	189	1	78·0
19	18 37	534	480	2 33	54	13 13	56·4	41·1	2 9	15·3	20 18	620	539	3 32	81	455	1	78·4
20	15 15	539	460	8 50	79	9 33	64·1	31·3	18 52	32·8	18 28	672	562	6 17	110	628	1	78·4
21	8 0	513	477	14 14	36	13 31	58·9	46·3	20 47	12·6	14 17	641	607	9 26	34	210	1	77·6
22	16 51	536	472	14 46	64	13 45	61·8	27·0	16 46	34·8	14 50	690	590	23 6	100	559	1	78·0
23 D	19 34	684	443	0 45	241	18 46	58·1	- 1·5	20 5	59·6	19 34	764	533	1 26	231	1425	2	78·5
24	21 5	528	443	11 43	85	12 26	60·6	40·5	21 2	20·1	13 54	643	566	2 40	77	482	1	78·7
25	23 44	536	439	4 59	97	1 12	59·1	36·5	19 14	22·6	16 45	649	552	5 25	97	593	1	78·4
26	19 55	521	479	11 24	42	12 30	57·5	46·9	19 51	10·6	16 44	627	587	3 30	40	247	0	78·4
27 Q	17 27	514	486	11 52	28	13 3	56·0	48·3	9 22	7·7	18 35	620	598	1 16	22	144	0	78·6
28 Q	5 7	511	484	11 5	27	13 43	56·2	48·3	8 25	7·9	20 5	615	603	5 4	12	95	0	78·8
29	23 43	516	485	11 5	31	23 53	55·4	48·3	9 28	7·1	22 49	612	598	3 26	14	110	0	78·7
Mean.	-- --	537	460	-- --	77	-- --	59·3	36·2	-- --	23·1	-- --	672	578	-- --	94	549	0·83	78·5
No. of Days Used.	-- --	29	29	-- --	29	-- --	29	29	-- --	29	-- --	29	29	-- --	29	29	29	29

§ For explanation see p. 38. 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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	505	505	504	504	505	508	511	513	509	507	505	503	500	498	499	503	505	508	510	512	513	512	512	510	507
2	510	511	507	506	510	513	515	517	517	513	505	508	513	521	528	524	527	539	530	526	516	568	512	484	517
3	453	484	473	461	477	491	491	487	471	436	439	456	484	482	489	502	502	501	502	507	491	495	476	452	479
4	479	489	450	421	480	494	466	486	497	493	478	457	485	496	504	500	507	506	520	517	483	465	438	465	482
5	478	375	494	504	504	483	490	484	485	476	488	488	490	496	505	500	508	509	499	518	523	539	470	482	491
6	449	467	477	488	499	501	498	501	495	487	479	484	480	485	507	507	509	506	514	427	488	496	515	502	494
7	495	495	497	501	506	500	496	493	490	479	476	482	493	497	503	504	502	504	493	502	502	492	447	332	487
8	476	493	431	444	502	488	492	491	486	477	481	480	492	498	503	509	499	502	502	495	492	482	494	485	487
9	478	488	461	470	495	488	493	492	492	486	486	492	481	508	510	514	510	527	502	501	499	514	478	487	494
10 D	480	380	411	479	499	496	495	485	483	464	466	460	480	494	506	512	504	525	507	499	500	456	457	442	478
11	239	350	416	450	483	497	474	489	485	480	486	487	493	496	498	509	506	501	503	503	514	519	496	485	473
12	483	497	497	500	493	503	501	495	489	485	485	489	487	497	494	502	504	509	510	509	512	508	508	510	499
13	500	504	498	508	516	511	509	505	499	497	495	494	494	496	505	511	502	510	508	507	510	499	499	505	503
14	517	511	506	502	506	513	512	506	500	491	488	493	495	501	507	503	499	507	505	508	511	504	505	501	504
15 Q	503	504	502	503	504	507	506	504	500	493	487	489	497	495	501	507	505	503	508	511	513	514	510	412	503
16 Q	511	510	508	507	509	510	511	510	501	496	496	491	494	496	503	505	511	513	518	500	497	504	506	507	505
17	507	506	504	504	504	505	507	503	496	492	488	483	486	492	501	506	508	516	516	499	498	506	513	514	502
18	527	502	522	521	524	522	518	504	500	501	485	489	486	495	485	510	502	516	570	497	482	496	504	502	507
19	496	496	495	479	499	497	505	499	494	483	479	478	483	492	495	498	510	509	504	502	503	502	501	504	496
20	502	503	504	501	501	504	505	506	498	484	482	480	479	488	493	499	507	505	506	507	510	511	512	510	500
21	512	476	471	495	492	496	495	482	481	481	476	469	480	481	504	508	516	510	503	505	516	444	482	499	491
22	499	495	474	443	495	492	490	490	482	475	454	477	485	505	498	499	520	521	510	505	505	487	488	508	492
23	462	436	500	487	492	496	499	499	486	482	475	485	495	491	508	519	503	507	508	508	507	509	519	508	495
24	503	490	495	497	502	509	501	496	491	484	480	484	495	507	496	507	504	503	503	510	511	508	524	504	500
25 Q	511	487	502	505	504	510	507	501	492	478	474	477	484	491	496	499	502	502	507	510	510	510	510	508	499
26 Q	508	507	506	506	508	509	511	506	495	483	477	478	488	497	504	507	510	507	507	507	511	510	510	510	503
27	507	505	505	506	507	507	506	500	491	483	479	483	490	495	505	508	508	512	506	507	512	513	511	513	502
28 D	511	482	455	484	506	506	497	496	488	480	462	476	493	515	493	530	570	681	719	580	407	479	479	475	511
29 D	364	388	451	480	497	496	492	486	463	444	442	457	469	509	509	526	500	506	522	510	513	495	475	474	478
30 D	429	433	492	494	480	427	464	498	474	458	470	473	489	482	503	506	515	536	548	505	453	453	395	376	473
31 D	276	316	410	425	449	381	449	454	439	451	438	443	465	490	513	502	535	535	536	507	488	488	493	467	456
Mean	473	470	481	486	498	496	497	496	489	481	477	480	488	496	502	508	510	517	519	510	500	499	492	485	494

1632 031 07 500 13.

MAGNETIC DECLINATION (WEST).

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

14. Lerwick. (D.) — 13° + — 476 — March, 1932.

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

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

033

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	598	601	601	601	600	600	600	599	599	601	601	602	603	606	607	606	605	605	605	606	606	608	607	606	603
2	606	602	600	602	602	601	600	600	599	600	596	594	593	593	594	597	598	602	648	717	685	705	655	613	617
3	493	516	549	541	563	578	598	606	609	633	657	643	673	678	647	639	631	640	643	639	625	608	594	523	605
4	529	573	568	503	513	558	572	566	584	595	601	617	620	628	616	614	620	630	621	571	574	572	535	534	580
5	539	455	523	569	577	583	583	587	600	601	599	594	595	599	604	623	653	649	627	604	583	586	522	551	581
6	504	478	526	564	582	589	595	595	600	595	597	600	619	622	608	611	632	616	610	602	606	600	570	544	586
7	570	580	591	596	596	597	593	591	589	598	600	598	602	600	606	623	648	643	638	617	609	597	544	439	594
8	466	555	531	461	520	541	559	575	586	596	596	600	594	595	599	609	618	641	647	628	579	550	554	567	574
9	546	542	521	523	550	579	580	589	594	594	594	594	605	610	618	624	535	653	644	624	616	534	508	545	580
10 D	564	483	435	502	502	524	562	582	594	599	598	613	615	603	616	626	682	693	669	626	517	499	489	499	571
11	381	386	454	490	487	530	562	581	591	602	606	606	609	614	613	630	620	622	627	618	603	578	583	582	566
12	553	560	577	585	593	594	599	603	603	601	599	593	599	606	615	621	617	612	618	615	608	602	595	589	598
13	586	583	587	574	569	578	585	593	595	596	595	595	594	594	598	607	615	623	640	640	635	627	620	611	602
14	596	580	590	596	594	588	589	592	592	594	591	595	598	598	603	612	628	622	619	616	611	616	610	606	601
15 Q	600	598	600	596	599	597	599	601	601	599	600	601	601	603	611	616	617	617	614	610	608	605	605	602	604
16 Q	597	601	601	601	599	600	600	601	601	601	598	597	596	599	601	601	599	599	601	622	627	608	602	601	602
17	599	598	599	598	599	599	599	600	601	601	600	596	595	595	597	600	601	599	602	630	627	620	610	602	603
18	575	573	545	568	576	580	584	589	590	588	591	590	597	602	610	623	649	659	674	601	617	602	583	588	598
19	582	571	580	586	575	592	599	602	602	601	602	601	603	604	608	609	608	608	610	616	612	603	602	599	599
20	599	601	601	602	600	598	593	595	596	599	599	596	598	599	608	610	615	620	626	615	602	602	602	597	603
21	557	500	496	506	547	561	576	578	578	587	593	595	602	611	614	627	639	642	634	627	617	578	485	547	579
22	557	575	569	524	518	552	567	575	589	589	604	612	616	636	617	612	624	623	617	619	598	574	516	514	583
23	495	440	500	548	569	580	589	590	591	590	588	584	586	596	598	601	606	603	600	598	595	593	575	551	574
24	559	553	549	571	580	578	586	590	591	591	587	583	577	579	585	589	595	595	595	590	589	579	540	547	578
25 Q	550	555	561	565	586	593	596	600	600	600	594	591	587	588	593	595	598	601	599	598	596	599	592	591	589
26 Q	587	588	591	594	594	595	594	595	595	594	592	586	584	586	588	589	594	599	603	602	597	595	592	589	593
27	589	589	589	589	591	593	593	595	592	588	587	584	583	584	583	584	589	592	602	614	604	598	595	588	591
28 D	546	494	501	526	560	574	580	583	584	583	584	582	580	581	596	597	696	763	756	651	541	586	557	552	590
29 D	458	409	462	512	561	581	591	594	598	603	610	625	623	645	613	661	641	630	638	633	566	548	555	516	578
30 D	476	443	494	536	554	515	511	528	558	578	581	585	588	613	626	635	639	665	648	630	542	495	405	378	551
31 D	356	392	467	515	525	482	495	538	563	573	598	617	619	613	620	630	650	654	628	604	572	586	581	542	559
Mean	542	535	547	556	567	571	582	588	592	596	598	599	602	606	607	614	621	630	629	619	602	587	567	559	588

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

16. Lerwick.

March, 1932.

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 Q	20	37	514	496	13	31	18	0	0	54·3	49·2	1	57	5·1	22	2	609	596	0	0	13	87	0	78·5
2	21	42	731	458	23	47	273	18	26	60·2	14·7	22	4	45·5	21	49	755	554	24	0	201	1333	2	78·3
3	19	54	528	368	0	22	160	12	23	62·0	25·7	23	21	36·3	13	0	701	473	0	20	228	1294	1	78·0
4	18	55	581	367	22	53	214	12	55	60·0	25·5	18	41	34·5	18	35	645	485	3	54	160	1056	1	77·8
5	22	59	562	334	1	23	228	1	37	62·4	27·2	22	13	35·2	16	56	669	417	1	35	252	1505	2	77·9
6	19	27	549	425	0	23	124	11	54	57·9	28·0	19	23	29·9	16	13	634	444	1	4	190	1065	1	77·5
7	16	17	523	231	23	42	292	12	20	56·8	15·5	24	0	41·3	16	56	657	374	23	37	283	1742	2	77·0
8	18	52	534	319	2	59	215	2	50	63·5	14·3	0	2	49·2	18	48	676	408	0	4	268	1561	1	76·7
9	21	14	575	449	21	44	126	14	39	61·4	13·5	21	10	47·9	17	11	669	487	22	21	182	1031	1	76·5
10 D	20	7	555	339	2	5	216	20	29	66·0	7·9	20	5	58·1	18	6	707	419	2	11	288	1655	2	76·5
11	21	33	549	-18	0	38	567	0	33	70·8	17·2	1	20	53·6	15	37	638	285	0	37	353	2467	2	76·4
12	20	41	521	469	0	0	52	14	0	55·9	40·8	19	8	15·1	15	46	626	545	0	45	81	452	1	76·2
13	4	30	518	487	3	4	31	15	40	56·9	39·3	21	11	17·6	19	4	645	563	3	50	82	427	1	76·0
14	0	47	522	479	10	0	43	15	35	59·4	43·5	3	33	15·9	16	18	632	575	1	8	57	328	1	76·5
15 Q	16	18	519	482	10	49	37	13	26	57·6	48·0	7	53	9·6	16	10	617	593	5	20	24	166	0	77·0
16 Q	18	46	522	488	11	4	34	12	29	55·7	40·6	20	7	15·1	19	57	637	593	12	16	44	254	0	77·2
17	24	0	522	481	12	0	41	12	52	56·5	37·2	19	50	19·3	19	55	654	593	13	50	61	343	1	77·4
18	18	12	683	458	19	52	225	13	39	59·9	3·4	18	51	56·5	18	7	767	534	2	20	233	1412	1	77·2
19	16	33	522	462	3	19	60	12	43	56·3	41·8	19	53	14·5	19	48	626	565	1	56	61	371	1	77·2
20	23	55	523	476	12	52	47	13	49	58·6	37·2	18	11	21·4	18	7	636	571	24	0	65	371	1	77·3
21	20	45	555	415	21	32	140	22	8	65·2	21·0	20	43	44·2	17	36	645	442	22	29	203	1149	1	77·3
22	17	6	544	423	3	32	121	13	0	62·3	31·6	20	11	30·7	13	23	646	493	23	8	153	888	1	77·6
23	22	26	536	409	1	5	127	0	48	66·5	36·8	2	4	29·7	16	5	607	400	1	4	207	1149	1	77·7
24	22	16	536	460	1	17	76	13	30	57·0	44·1	0	39	12·9	18	45	597	529	22	58	68	427	1	77·7
25 Q	1	51	516	467	21	48	49	13	20	55·5	42·4	1	20	13·1	21	8	602	548	1	11	54	323	1	78·0
26 Q	23	8	516	473	11	37	43	12	55	56·3	46·6	8	55	9·7	18	5	603	582	12	17	21	160	0	78·0
27	23	59	528	478	10	22	50	12	48	56·1	45·1	19	9	11·0	19	6	617	576	24	0	41	264	1	78·3
28 D	19	10	827	180	20	40	647	19	33	87·1	22·6	2	9	64·5	18	50	781	346	20	38	435	2965	2	78·7
29 D	15	41	569	213	0	24	356	12	55	62·0	12·0	20	25	50·0	15	40	684	385	0	54	299	1909	2	78·8
30 D	18	10	581	250	23	46	331	22	26	67·2	17·4	20	38	49·8	17	49	714	340	23	16	374	2223	2	79·2
31 D	18	28	654	110	0	48	544	12	8	61·4	17·4	1	6	44·0	18	29	700	309	0	33	391	2611	2	79·3
Mean	--	--	562	385	--	--	177	--	--	60·9	29·3	--	--	31·7	--	--	658	485	--	--	173	1064	1·16	77·5
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 38. 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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	463	480	457	459	494	494	497	488	469	463	467	469	480	490	515	532	508	509	501	508	510	522	497	480	490
2 D	408	363	348	450	492	501	481	462	453	464	457	454	495	515	512	526	516	495	516	505	497	502	458	452	472
3	479	493	460	439	484	488	489	484	479	473	464	471	477	491	496	490	496	521	521	505	498	481	474	456	484
4	453	489	464	479	496	495	478	483	464	454	466	470	486	475	491	495	517	499	505	505	499	497	466	397	480
5	469	452	449	459	446	433	462	453	471	470	468	467	463	492	527	510	535	516	503	500	501	509	493	486	481
6	489	483	475	489	433	485	493	479	463	463	464	470	479	484	503	505	507	523	517	509	505	515	491	488	488
7 D	473	438	340	468	490	493	473	462	486	466	420	453	461	504	546	496	491	505	528	522	497	502	458	387	473
8	445	448	494	497	486	480	477	474	469	468	468	472	477	497	517	527	500	503	518	504	494	497	502	508	488
9	494	504	474	478	497	496	487	489	487	482	480	468	476	491	501	508	518	542	541	508	494	504	508	507	497
10	499	494	497	501	487	500	488	479	478	476	469	462	464	490	493	502	514	518	515	514	519	500	498	492	494
11	496	496	499	499	499	495	500	496	483	477	473	472	478	492	499	504	503	507	510	516	508	503	496	486	495
12 Q	496	502	502	493	500	507	507	503	492	485	479	479	479	492	495	513	512	513	518	514	509	508	507	510	501
13 D	507	507	509	509	513	512	513	510	505	498	490	491	494	501	512	539	594	531	520	524	492	375	492	486	505
14	463	432	453	425	457	497	589	489	466	462	458	460	471	484	506	502	513	533	522	510	510	513	512	510	485
15	503	482	485	472	495	597	492	491	491	478	466	467	474	485	498	504	502	503	513	524	524	509	503	502	494
16	508	505	499	489	499	508	506	500	494	480	464	439	457	473	484	510	495	510	505	508	509	509	512	512	495
17	512	495	489	498	499	504	503	493	467	467	468	471	472	484	493	499	515	506	515	513	510	509	501	508	495
18	482	516	491	439	475	478	484	467	478	463	445	453	484	503	519	555	540	541	427	503	501	481	459	474	486
19 Q	490	483	492	503	506	505	503	500	491	484	482	484	489	498	507	506	506	513	524	519	515	512	513	512	502
20 Q	509	507	507	506	505	508	509	500	484	477	479	478	484	491	502	508	506	513	515	515	515	511	512	513	502
21 Q	509	508	508	507	505	504	503	500	496	489	481	482	487	494	500	500	507	516	518	518	514	511	511	511	503
22	511	509	510	510	509	512	515	506	493	490	488	474	499	507	522	542	560	514	511	515	513	509	521	511	510
23 D	502	506	494	466	482	500	503	488	490	466	439	455	464	503	527	511	514	542	545	517	516	493	500	490	496
24 D	457	441	419	429	490	492	480	472	477	463	428	452	503	513	499	534	513	534	575	543	514	515	537	524	492
25	432	416	483	499	487	493	486	466	461	458	469	480	492	502	507	533	548	565	563	527	513	484	496	463	493
26	443	459	466	435	472	468	497	508	503	482	484	492	497	513	509	532	549	550	549	530	521	497	488	525	499
27	500	473	461	501	477	459	491	482	466	467	482	488	482	499	499	509	524	525	546	544	509	505	489	469	494
28	504	467	452	477	490	499	493	498	492	487	485	488	493	513	511	515	522	542	531	549	538	506	488	479	501
29	487	476	485	487	503	503	488	471	477	479	482	481	487	493	502	503	514	534	546	532	516	511	502	505	499
30 Q	505	505	504	492	488	504	496	497	494	484	480	483	488	494	501	507	522	538	521	520	511	513	512	508	503
Mean	483	478	472	479	489	494	493	486	481	474	468	471	481	495	506	514	419	522	521	517	509	500	497	488	493

-E /B/19)2 041 01 /31813

MAGNETIC DECLINATION (WEST).

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

18. Lerwick. (D.) 13° + April, 1932.

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

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

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TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

46,000 γ (·46 C.G.S.unit) +

19. Lerwick. (V.) April, 1932.

Hour G.M.T. / 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	Mean.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	538	560	556	542	530	564	582	594	604	605	601	599	602	602	605	630	661	641	629	616	615	590	609	560	593
2 D	399	382	415	446	542	577	583	594	593	597	616	625	649	675	639	640	660	627	629	648	622	586	488	485	572
3	535	577	580	547	553	579	584	597	602	607	607	614	626	613	621	629	616	617	655	631	605	573	570	517	594
4	489	554	560	563	561	576	591	591	598	594	590	591	601	628	621	616	625	640	627	619	618	599	549	440	585
5	472	470	467	532	500	485	532	568	576	586	587	591	604	604	638	654	655	654	635	627	610	545	563	550	571
6	541	556	562	573	542	536	574	587	599	593	591	589	590	597	603	616	640	651	644	607	605	590	557	566	588
7 D	534	484	435	485	533	559	558	564	568	587	612	613	613	629	695	651	625	628	627	621	616	605	564	426	576
8	427	464	538	567	579	578	579	596	606	606	606	609	607	608	623	654	640	621	623	632	618	604	598	574	590
9	582	573	566	548	575	586	597	598	599	601	604	607	605	611	615	617	623	629	626	626	621	607	602	586	600
10	565	557	564	574	580	582	601	601	599	601	604	606	601	601	606	607	611	615	623	622	602	585	586	580	595
11	571	577	587	599	601	603	602	606	608	606	605	604	603	599	599	601	608	609	614	613	609	608	586	556	599
12 Q	543	575	587	593	578	585	590	591	597	600	598	592	591	590	596	601	611	617	619	618	617	614	610	608	597
13 D	607	605	603	603	603	607	608	608	605	602	600	592	591	592	594	602	650	719	653	634	591	520	482	524	600
14	541	500	517	531	526	568	591	607	608	610	612	619	612	603	613	634	628	640	659	623	612	608	599	595	594
15	587	532	506	514	536	576	584	598	602	603	606	601	597	594	595	601	606	603	599	602	600	587	596	593	584
16	589	593	594	586	583	583	588	591	594	598	599	606	602	599	595	600	608	601	604	601	598	597	595	580	595
17	535	552	558	566	580	584	587	590	599	601	595	589	593	597	601	602	605	608	613	609	605	577	541	560	585
18	530	511	526	537	530	555	569	583	585	598	619	620	611	629	629	640	656	645	613	620	610	564	495	538	584
19 Q	556	583	584	592	601	602	603	602	602	604	606	601	600	601	603	606	606	604	604	608	612	616	604	595	600
20 Q	597	601	605	606	606	602	599	600	600	597	591	590	590	595	597	595	598	597	595	594	595	596	595	595	597
21 Q	596	598	601	601	601	599	595	593	593	593	590	585	584	589	596	603	607	609	609	603	597	596	596	596	597
22	597	598	599	600	600	599	599	597	595	585	580	580	579	590	605	634	694	654	625	614	614	604	553	562	602
23 D	570	589	592	564	552	571	584	591	595	597	599	596	641	623	646	641	622	633	624	636	584	520	523	521	592
24 D	503	437	416	477	540	574	582	585	585	595	619	595	589	591	597	596	620	621	654	622	621	607	533	481	568
25	473	439	503	565	585	585	584	584	602	607	600	601	598	602	616	618	625	655	646	646	644	571	498	494	581
26	441	430	468	476	510	[illegible]	570	581	597	609	615	626	623	621	622	623	630	657	652	646	634	609	552	557	579
27	554	509	506	548	560	548	563	585	602	614	619	615	612	615	624	626	631	630	634	647	632	619	593	517	592
28	553	574	537	546	555	575	593	604	612	618	618	614	609	609	629	632	631	632	634	609	590	586	594	580	597
29	558	555	564	585	589	601	602	600	597	599	599	599	600	603	603	613	612	612	619	628	615	610	576	581	597
30 Q	601	605	602	597	573	572	584	584	591	594	597	595	594	593	595	597	602	607	617	616	611	604	603	605	597
Mean.	539	538	543	555	563	575	585	592	597	600	603	602	604	607	614	619	627	629	627	621	611	590	567	551	590

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

20. Lerwick. April, 1932.

Day.	Terrestrial Magnetic Elements. 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	$\frac{HR_H+VR_V}{10,000\gamma^2}$ §	Magnetic Character of Day (0 - 2).	Temperature in Magnet House. 200 + °A
1	21	15	555	431	2	37	124	15	37	58·1	23·0	21	12	35·1	16	24	675	483	24	0	192	1075	1	78·5
2 D	15	50	552	207	2	46	345	22	19	69·9	20·9	19	8	49·0	13	33	684	341	0	56	343	2098	2	77·5
3	18	37	578	381	24	0	197	23	50	61·2	23·0	18	34	38·2	18	23	675	469	24	0	206	1246	1	77·2
4	16	37	529	343	23	15	186	12	57	59·1	36·9	21	3	22·2	16	59	646	407	23	32	239	1384	1	77·3
5	16	30	562	404	5	37	158	13	50	58·7	34·9	3	7	23·8	14	48	662	446	2	23	216	1236	1	77·6
6	18	47	545	391	4	28	154	13	0	58·9	26·6	21	43	32·3	18	41	660	517	5	0	143	423	1	77·8
7 D	14	15	588	229	2	32	359	13	31	63·3	30·8	23	54	32·5	14	16	720	396	23	36	324	2031	2	77·7
8	15	23	543	373	0	46	170	14	7	56·7	29·2	0	55	27·5	15	56	657	409	0	7	248	1402	1	77·6
9	18	26	554	456	11	47	98	12	34	57·4	33·7	19	27	23·7	18	5	632	537	3	37	95	585	1	77·2
10	20	30	546	454	10	48	92	0	29	57·8	37·9	20	26	19·9	20	11	625	543	1	12	82	515	1	76·9
11	19	52	537	469	11	10	68	13	32	55·3	40·1	22	54	15·2	19	45	616	532	24	0	84	490	1	77·3
12 Q	18	16	522	473	12	13	49	13	14	54·7	38·5	0	27	16·2	18	56	623	526	0	12	97	523	1	77·4
13 D	16	46	622	260	21	35	362	20	44	65·5	15·4	21	14	50·1	17	10	774	456	22	4	318	2007	2	77·3
14	17	15	554	388	3	41	166	15	13	57·9	30·9	18	34	27·0	18	08	680	475	1	20	205	1196	1	77·3
15	20	32	550	449	3	23	101	1	3	62·1	40·0	20	15	22·1	20	10	630	498	2	47	132	761	1	78·0
16	15	25	551	436	11	35	115	23	43	57·5	44·2	7	51	13·3	15	59	618	525	24	0	93	600	1	79·0
17	16	14	547	454	8	47	93	16	8	54·6	40·3	23	44	14·3	18	46	619	516	0	7	103	615	1	79·8
18	17	55	590	401	3	35	189	1	18	57·7	29·9	17	51	27·8	16	10	662	465	22	15	197	1192	1	79·6
19 Q	18	56	536	477	0	0	59	13	28	55·4	40·1	0	0	15·3	21	26	619	546	0	0	73	426	1	79·4
20 Q	20	0	517	472	11	30	45	13	0	55·0	44·4	7	8	10·6	4	0	608	588	12	26	20	158	0	79·6
21 Q	18	16	523	476	10	53	47	13	8	53·5	45·2	8	23	8·3	18	8	612	582	12	16	30	208	0	79·9
22	16	26	607	452	11	14	155	15	24	64·2	43·3	23	52	20·9	16	35	733	540	22	34	193	1124	1	79·9
23 D	17	53	584	381	21	23	203	14	0	58·6	29·8	21	35	28·8	14	36	664	459	21	40	205	1249	1	79·8
24 D	18	50	630	397	2	5	233	11	10	59·5	28·5	0	34	31·0	18	47	664	399	2	38	265	1573	1	80·1
25	18	3	609	310	1	13	299	22	13	59·0	30·4	0	26	28·6	17	47	667	419	1	29	248	1590	2	80·0
26	16	25	567	372	1	2	195	0	35	58·4	28·7	2	29	29·7	17	34	672	389	1	1	283	1602	1	79·0
27	19	3	561	428	2	10	133	22	34	57·6	32·9	0	46	24·7	18	43	651	484	2	10	167	971	1	78·5
28	19	28	563	432	2	5	131	13	54	55·1	32·7	20	41	22·4	18	22	637	516	0	0	121	754	1	78·5
29	18	52	552	465	1	35	87	22	15	53·2	39·5	19	4	13·7	18	59	629	550	1	15	79	494	1	79·0
30 Q	17	22	544	474	4	14	70	16	56	53·2	42·6	5	16	10·6	18	22	619	557	4	50	62	390	1	79·2
Mean.	--	--	561	405	--	--	156	--	--	58·3	33·8	--	--	24·5	--	--	654	486	--	--	169	997	1·07	78·5
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 38. 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.

14,000 γ (·14 C.G.S.unit) +

21. Lerwick. (H.) May, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	504	503	499	507	504	499	494	492	480	477	474	475	490	503	504	513	525	515	518	517	515	513	515	507	502
2	517	475	491	497	503	504	504	498	491	487	492	488	500	483	499	496	505	524	528	529	519	459	398	314	488
3	364	304	458	454	462	474	487	474	474	459	450	460	484	492	497	513	519	527	528	518	515	507	502	497	476
4 D	474	480	494	495	493	492	490	481	466	468	475	474	477	484	487	494	518	583	556	527	487	477	473	520	494
5 D	477	438	479	497	496	491	479	470	480	481	473	467	478	495	526	565	598	540	523	508	512	458	483	496	496
6	498	493	468	472	445	448	479	484	475	469	450	469	479	483	495	513	513	524	532	526	520	503	501	487	489
7	493	496	481	486	459	490	497	487	474	472	473	474	479	487	496	506	509	516	527	526	519	516	504	501	495
8 Q	494	502	501	499	502	502	497	489	474	464	462	469	480	492	496	502	513	527	536	533	523	511	509	512	500
9 Q	510	510	508	507	505	502	497	493	485	480	476	476	482	490	505	511	519	522	527	520	518	516	514	513	504
10	519	519	518	517	514	509	504	494	488	477	478	482	495	521	500	503	507	518	534	536	529	525	519	494	508
11	481	494	503	503	507	517	516	513	501	492	493	482	480	502	506	508	501	533	550	533	523	510	511	511	507
12	518	512	500	498	496	497	486	493	485	481	476	481	490	494	500	502	515	517	531	523	518	510	515	511	502
13	514	510	499	467	483	493	496	493	484	472	471	475	474	490	503	503	523	542	545	556	529	517	518	516	503
14	513	506	488	485	499	500	501	498	481	468	476	482	484	490	495	507	511	527	540	531	521	526	509	503	502
15	474	491	475	493	501	498	491	482	458	455	462	480	462	459	492	511	505	529	562	535	515	510	510	503	494
16	492	490	499	488	426	458	439	430	466	471	467	465	477	493	477	487	517	528	536	523	516	510	506	510	486
17	502	499	499	499	493	492	483	485	474	457	467	471	478	491	502	499	508	514	519	519	512	509	509	504	495
18 Q	501	500	501	498	500	502	493	483	477	477	483	487	484	489	489	503	525	520	517	515	511	509	510	506	499
19 Q	510	500	498	497	493	490	485	478	477	479	480	475	480	487	491	498	501	507	512	513	513	508	505	504	495
20 Q	499	498	497	495	495	492	488	484	476	473	476	479	482	483	485	589	501	510	518	522	516	514	413	510	496
21	510	511	510	498	503	503	506	506	481	466	458	454	481	510	482	509	524	526	527	516	516	511	504	504	501
22	492	471	487	492	485	482	478	477	475	475	476	474	493	490	518	518	512	518	512	513	507	505	503	503	494
23	500	498	497	495	493	489	481	476	474	467	471	478	488	508	491	507	517	527	538	541	516	498	497	494	498
24	500	500	499	486	477	487	486	480	472	467	467	465	484	481	490	493	500	512	518	515	513	509	508	492	492
25 D	458	461	492	502	497	461	467	485	465	469	480	483	488	497	499	525	468	480	559	539	524	513	516	500	502
26	466	478	486	498	499	495	494	477	473	478	484	487	486	482	491	493	501	528	535	528	530	516	499	491	496
27	503	505	504	495	487	497	488	481	479	475	474	482	487	503	504	520	529	546	547	540	540	525	508	505	505
28	510	471	491	488	470	503	503	494	477	473	480	480	487	487	496	499	529	542	570	549	506	515	478	505	500
29 D	501	506	494	480	487	494	508	495	490	490	490	512	492	615	775	750	746	618	550	413	234	65	-45	123	470
30 D	7	1	164	-86	-179	42	286	430	487	484	487	482	474	468	476	482	504	524	555	552	518	498	509	499	361
31	493	485	478	459	481	491	480	477	469	466	463	464	475	475	486	495	510	511	521	543	508	509	499	498	489
Mean	477	471	482	473	467	477	483	483	478	473	474	477	483	494	505	513	525	531	535	524	508	493	484	485	492

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MAGNETIC DECLINATION (WEST).

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

13° +

22. Lerwick. (D.) May, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	47·4	50·1	45·3	42·7	43·5	43·7	44·1	43·9	46·0	46·8	49·7	51·4	52·0	53·4	53·2	52·2	52·0	51·4	50·0	49·5	48·5	48·0	48·7	41·2	48·1
2	30·6	40·2	42·2	41·0	40·8	42·4	43·1	43·5	43·3	46·4	49·1	53·6	55·3	53·0	54·1	53·0	51·6	51·8	49·9	47·8	42·7	39·9	39·5	39·9	45·6
3	41·8	45·5	42·9	37·7	43·1	42·2	42·9	41·8	43·3	46·6	50·1	53·2	52·6	53·6	53·4	52·4	51·6	46·2	49·3	49·1	47·4	43·5	44·9	48·3	46·8
4 D	52·4	49·9	45·3	43·9	43·9	44·7	43·7	43·5	45·5	47·4	48·0	51·0	52·4	53·8	53·8	53·4	52·4	56·1	44·5	43·9	47·4	39·1	39·5	33·7	47·1
5 D	34·6	38·1	48·7	44·3	43·7	43·7	43·3	42·4	42·6	43·3	48·5	51·0	54·7	57·8	58·8	57·0	54·9	50·9	45·5	48·9	43·1	46·0	39·3	44·5	46·9
6	46·4	47·2	52·0	49·9	51·8	53·6	47·6	41·6	42·6	45·3	48·5	51·0	52·8	53·2	50·9	49·9	49·1	47·6	46·2	41·4	42·0	44·7	46·8	52·6	48·1
7	47·0	45·8	46·8	48·7	46·2	44·3	43·5	43·1	43·7	45·3	47·4	52·2	54·9	54·1	52·0	50·1	48·3	47·8	47·8	47·8	45·5	42·2	43·7	44·5	47·2
8 Q	49·1	48·2	45·6	44·5	44·5	43·1	42·4	42·6	43·3	45·5	48·3	51·6	54·1	53·4	51·6	50·5	49·9	49·7	50·3	47·4	47·6	46·4	49·1	47·4	47·8
9 Q	46·6	47·4	46·4	45·5	44·5	43·7	43·5	43·5	44·7	46·8	49·9	52·4	53·6	53·4	52·2	50·7	49·5	48·0	48·2	49·1	49·1	48·7	48·2	47·8	48·1
10	47·4	46·4	45·3	44·9	43·5	42·7	42·4	42·6	45·1	46·6	48·7	50·5	52·4	53·8	53·0	52·4	51·6	49·9	49·9	49·5	45·6	47·4	46·4	41·2	47·5
11	41·0	40·2	40·6	39·5	44·9	41·4	41·4	42·6	41·6	45·5	49·1	51·0	53·9	53·9	54·1	54·7	51·2	51·0	51·4	48·7	46·0	47·2	47·8	46·8	46·9
12	46·6	45·3	43·5	44·9	44·5	44·5	45·5	44·5	45·5	46·8	49·3	50·7	51·4	51·6	50·1	50·9	50·7	51·0	49·5	48·3	48·0	49·1	46·8	47·2	47·8
13	47·4	48·3	47·6	50·5	55·1	50·7	45·3	45·3	44·5	45·3	47·8	50·7	53·2	53·6	53·6	53·0	52·4	51·8	51·0	42·6	49·1	48·5	47·8	47·8	49·3
14	49·1	46·6	48·5	47·6	41·6	42·7	44·7	46·2	46·8	49·5	49·1	50·1	51·0	50·9	50·3	49·7	50·1	50·9	50·1	50·1	49·5	47·2	46·2	44·9	48·1
15	49·7	49·5	53·6	49·3	44·5	43·5	43·1	44·3	43·5	46·8	47·6	47·8	47·8	52·6	50·3	47·2	50·1	48·5	46·6	47·0	48·2	48·5	47·0	47·2	47·7
16	49·1	48·7	46·4	46·8	53·2	54·5	54·7	52·2	47·0	47·2	49·1	50·9	51·0	50·5	50·7	49·7	48·7	49·5	49·3	48·9	48·0	48·5	48·3	46·2	49·5
17	43·5	44·7	44·9	44·5	43·7	43·7	46·8	45·5	47·6	49·5	51·0	52·4	53·8	53·0	51·8	50·5	49·5	49·1	48·5	48·0	47·4	48·0	48·9	48·2	48·1
18 Q	47·8	47·2	47·2	48·2	47·2	43·7	42·6	42·2	43·7	45·5	47·4	50·3	52·2	53·0	51·4	49·5	48·9	48·2	48·5	48·5	48·5	48·7	48·2	47·8	47·8
19 Q	49·1	47·2	45·5	45·3	44·9	43·1	43·3	43·7	44·1	45·5	47·0	49·5	53·0	53·0	50·7	49·5	48·3	48·3	47·8	48·0	47·6	46·8	47·4	47·6	47·3
20 Q	48·0	47·6	47·0	47·2	45·8	45·1	44·1	43·3	43·3	45·1	47·2	50·1	51·6	52·2	51·8	51·2	50·3	49·3	49·1	48·7	48·7	48·3	48·2	48·2	48·0
21	47·6	47·6	48·5	46·0	44·3	43·3	40·8	39·9	40·6	44·3	45·6	53·4	54·5	56·3	55·1	56·3	53·0	50·7	48·5	48·0	48·3	48·5	45·6	45·5	48·0
22	44·5	48·0	45·6	42·7	42·6	41·4	42·2	45·6	47·0	48·9	50·1	51·4	54·1	55·3	55·5	54·9	50·9	49·7	51·4	50·1	49·1	48·5	48·2	48·3	48·6
23	46·6	46·0	45·3	44·5	43·7	43·1	43·3	43·5	43·9	46·2	48·9	53·6	55·7	56·6	53·0	53·8	52·0	52·4	51·0	50·5	44·5	43·7	37·0	42·6	47·6
24	43·7	43·7	44·1	46·0	46·8	40·3	38·5	40·8	42·0	43·3	45·6	50·9	52·4	53·2	51·2	48·5	48·0	48·7	49·3	49·1	48·0	47·4	46·8	48·2	46·5
25 D	44·9	31·4	38·9	39·9	37·5	42·9	51·0	43·5	44·7	45·3	45·8	48·0	49·3	50·1	49·3	49·9	48·3	46·8	50·7	48·9	47·6	45·3	43·3	40·8	45·2
26	39·5	38·7	37·0	41·8	43·1	42·6	42·4	41·6	42·9	43·7	45·5	47·8	50·3	51·8	52·8	52·2	51·4	51·2	49·5	44·1	44·9	48·2	50·5	48·3	45·9
27	44·7	44·7	44·3	44·1	48·0	48·3	43·7	45·5	43·5	45·3	47·4	50·5	53·0	53·2	51·2	51·2	50·3	45·1	51·2	51·4	50·3	47·0	44·5	43·9	47·6
28	40·6	39·5	44·7	41·0	43·7	44·7	43·3	43·3	44·7	44·7	46·6	49·7	52·8	53·2	51·8	50·9	51·4	50·3	46·4	49·1	47·4	48·3	49·7	47·0	46·9
29 D	43·5	44·5	46·6	44·7	41·4	43·5	44·7	46·2	46·2	49·3	50·7	51·0	54·9	56·5	53·8	56·3	65·1	51·0	48·7	46·4	38·3	31·0	31·6	37·3	46·8
30 D	41·4	17·5	0·7	19·0	28·7	23·3	31·6	38·1	37·0	41·2	46·6	50·7	51·6	53·0	52·6	51·4	51·4	51·8	51·0	41·0	48·3	51·0	48·5	45·3	40·5
31	43·3	41·6	37·2	41·0	38·5	41·4	39·7	39·9	40·8	41·0	44·9	47·4	49·1	50·3	49·7	48·9	50·7	50·5	50·9	50·5	48·5	46·6	47·0	45·8	45·2
Mean	45·0	44·1	43·8	43·8	44·2	43·6	43·5	43·4	43·9	45·8	48·1	50·8	52·6	53·3	52·4	51·7	51·1	49·9	49·1	47·8	46·9	46·2	45·7	45·4	47·2

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

(10-5) B/1932/053/01/BB 140

1Q

2D

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, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	609	585	573	576	591	598	604	605	604	600	601	597	592	594	601	601	605	611	609	610	611	612	610	592	600
2	544	539	544	569	591	596	598	600	598	595	591	593	593	613	608	608	604	601	608	613	621	555	452	368	575
3	355	368	409	473	496	503	540	568	588	598	600	602	605	605	601	608	621	627	622	615	607	581	591	592	557
4 D	563	522	563	582	593	596	595	594	591	583	583	584	593	596	600	603	612	605	585	616	515	506	539	517	577
5 D	488	489	538	577	592	599	595	592	585	590	586	586	589	594	613	652	711	683	639	618	606	541	517	550	589
6	572	590	571	552	506	508	530	571	590	593	600	597	595	606	609	612	609	608	609	613	602	605	596	575	584
7	551	568	569	572	565	579	597	602	604	599	598	596	596	597	602	605	607	606	606	608	610	601	589	580	592
8 Q	582	574	584	594	602	603	606	606	604	603	596	593	588	589	595	600	602	598	600	607	609	603	595	591	597
9 Q	595	597	600	602	603	605	603	601	598	594	589	585	585	588	593	598	602	607	609	607	602	599	599	597	598
10	594	595	597	598	603	601	600	600	598	596	594	590	582	582	592	595	595	597	599	605	613	598	578	556	594
11	465	529	566	574	584	584	587	564	588	590	585	588	590	590	603	615	628	615	606	624	620	611	600	592	588
12	573	567	579	592	597	593	597	594	594	591	595	596	595	599	599	604	602	602	607	616	613	610	594	594	596
13	592	593	588	567	545	543	566	584	599	596	592	594	595	596	603	608	605	608	624	621	618	613	600	599	594
14	569	561	555	537	566	587	596	599	601	598	595	593	598	598	597	610	619	616	613	613	610	595	575	567	590
15	550	536	534	552	571	586	593	598	605	601	602	613	637	631	622	632	618	609	604	601	608	601	593	596	596
16	589	580	583	589	552	508	539	550	565	576	586	591	586	594	605	606	602	602	606	608	609	605	600	577	584
17	575	571	580	591	593	595	592	590	593	597	593	585	588	593	602	608	603	601	602	608	607	603	588	590	594
18 Q	594	600	600	597	591	592	596	597	593	590	591	591	599	600	606	606	614	618	610	603	600	599	598	599	599
19 Q	588	591	592	598	599	602	602	598	591	588	591	592	592	600	607	608	608	601	599	598	598	599	596	592	597
20 Q	597	600	602	604	603	602	600	601	601	599	591	584	587	593	599	599	603	605	603	601	599	597	594	596	598
21	597	598	598	599	591	590	589	587	586	583	582	579	579	591	609	603	620	639	639	622	607	601	585	577	598
22	582	567	547	582	597	600	594	583	579	582	586	593	600	610	613	621	633	627	608	601	598	595	593	590	595
23	593	595	598	602	603	604	604	601	593	585	580	577	582	590	606	610	626	639	643	644	647	599	516	569	600
24	586	599	602	600	577	576	594	599	602	596	596	603	603	607	604	608	612	612	611	611	612	613	611	580	601
25 D	491	487	556	594	589	583	589	575	603	608	610	608	609	620	636	631	641	640	639	640	637	631	614	592	601
26	576	529	565	588	594	599	601	603	604	604	600	599	600	602	602	603	603	602	606	609	611	611	586	537	593
27	549	562	583	586	582	570	583	590	592	594	594	595	600	604	613	612	611	618	611	611	607	585	562	553	590
28	539	553	555	553	535	559	586	595	601	602	598	598	598	596	601	607	603	607	614	616	582	592	540	538	582
29 D	549	559	569	544	559	547	555	573	583	583	585	589	628	740	741	702	682	578	592	581	535	494	715	699	603
30 D	448	141	30	-68	237	285	373	495	549	591	597	607	615	617	613	616	610	610	628	668	635	620	611	604	489
31	583	583	585	579	575	585	599	601	601	599	607	606	607	611	612	617	606	605	600	609	625	618	610	595	601
Mean.	556	546	552	557	567	570	581	588	593	594	593	594	597	605	610	613	617	613	611	613	606	593	585	576	589

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

24. Lerwick. May, 1932.

Day.	Terrestrial Magnetic Elements. §															$\frac{HR_H+VR_V}{10,000\,\gamma^2}$ §	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		(0-2)	200 +
	h. m.	γ	γ	h. m.	γ	h. m.			h. m.		h. m.	γ	γ	h. m.	γ			°A
1	16 15	534	467	23 49	67	13 54	53·8	27·3	24 0	26·5	17 0	613	572	24 0	41	288	1	79·4
2	0 24	542	244	23 45	298	23 53	60·5	17·9	0 12	42·6	20 52	626	285	23 51	341	2021	2	79·8
3	18 22	537	223	1 16	314	0 4	57·6	25·6	0 44	32·0	17 2	635	313	0 0	322	1956	2	80·2
4 D	17 38	664	427	20 31	237	17 54	69·2	25·4	18 6	43·8	17 34	630	443	20 53	187	1215	2	80·6
5 D	16 11	635	405	21 30	230	16 15	66·3	31·0	21 4	35·3	16 23	745	479	21 40	266	1573	1	80·4
6	20 7	541	416	4 20	125	23 47	57·2	38·3	19 11	18·9	19 27	618	489	4 28	129	782	1	80·2
7	18 42	532	445	4 36	87	12 46	55·3	38·9	20 54	16·4	20 30	611	533	0 10	78	489	1	79·9
8 Q	17 54	543	456	10 20	87	12 30	60·5	42·0	6 20	18·5	20 10	611	572	1 30	39	308	0	79·9
9 Q	18 19	529	473	11 28	56	12 47	53·8	42·4	7 0	11·4	18 50	609	584	12 0	25	197	0	80·2
10	13 57	552	470	10 13	82	13 37	54·9	36·0	23 23	18·9	20 21	618	551	24 0	67	431	1	80·5
11	18 42	565	464	0 19	101	12 46	55·9	35·8	0 34	20·1	15 57	638	426	0 40	212	1134	1	80·6
12	18 10	538	471	10 56	67	13 7	53·2	39·9	2 0	13·3	19 2	616	561	1 42	55	353	1	80·6
13	19 12	577	461	3 12	116	4 27	56·1	33·1	19 7	23·0	19 7	634	533	5 10	101	639	1	80·8
14	18 24	548	458	3 7	90	16 7	52·2	38·9	4 13	13·3	17 0	626	531	3 18	95	573	1	80·5
15	18 31	586	444	13 30	142	2 13	57·2	40·2	17 57	17·0	12 49	643	522	2 40	121	770	1	82·0
16	17 55	549	389	4 42	160	4 49	57·6	41·8	24 0	15·8	13 52	613	498	5 15	115	768	1	82·5
17	18 20	527	453	9 27	74	13 0	53·4	40·2	0 16	13·2	19 10	610	562	1 4	48	331	1	82·7
18 Q	17 12	532	473	9 22	59	13 4	53·6	41·8	7 35	11·8	17 33	623	589	0 4	34	244	1	82·7
19 Q	0 13	518	473	11 33	45	13 4	53·8	42·2	7 54	11·6	16 56	609	583	0 35	26	186	0	82·8
20 Q	19 21	526	471	9 26	55	14 10	52·2	42·2	8 11	10·0	17 41	607	584	11 45	23	187	0	82·8
21	18 25	534	446	11 35	88	15 30	57·2	38·7	8 31	18·5	18 5	643	569	11 54	74	473	1	83·0
22	15 0	548	464	1 47	84	13 35	56·1	40·2	5 55	15·9	16 42	641	531	2 13	110	635	1	83·0
23	19 48	573	465	9 25	108	13 53	58·6	26·9	22 0	31·7	20 37	659	498	22 22	161	907	1	83·0
24	18 57	522	452	23 55	70	13 42	53·4	37·7	6 7	15·7	20 50	614	516	24 0	98	558	1	82·6
25 D	17 13	617	416	0 40	201	6 40	53·6	25·0	1 4	28·6	16 38	648	459	1 13	189	1172	1	81·9
26	17 54	552	446	1 0	106	13 55	53·4	32·3	1 49	21·1	22 5	614	510	1 29	104	639	1	81·2
27	17 17	555	471	10 6	84	13 35	53·9	41·6	17 13	12·3	17 50	618	541	24 0	77	481	1	81·2
28	18 26	590	427	22 37	163	12 43	53·9	36·4	1 14	17·5	19 3	620	501	22 53	119	791	1	81·5
29 D	16 41	1043	-320	23 0	1363	16 55	96·2	6·1	21 10	90·1	23 0	955	376	21 12	579	4674	2	82·2
30 D	19 25	580	-540	4 45	1120	3 42	144·5	-63·0	4 40	207·5	19 7	688	-244	3 37	932	5967	2	82·4
31	19 20	552	449	3 20	103	16 45	52·2	35·6	2 40	16·6	20 32	629	559	4 4	70	475	1	82·5
Mean	-- --	572	379	-- --	193	-- --	60·2	31·6	-- --	28·7	-- --	641	485	-- --	156	1007	1·03	81·4
No. of Days	-- --	31	31	-- --	31	-- --	31	31	-- --	31	-- --	31	31	-- --	31	31	31	31

§ For explanation see page 38. Q denotes an International Quiet Day, while D denotes a disturbed day used for the computation of Tables 56-61.

11·3 1932/062/01/BB 140
10·5

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

25. Lerwick. (H.) 46,000 γ (·46 C.G.S.unit) + June, 1932.

Hour. G.M.T. 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	Mean.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	503	496	499	498	496	491	483	478	474	468	471	469	481	484	491	500	507	508	510	509	508	509	503	501	493
2	503	503	498	492	494	495	490	487	477	470	473	477	485	488	495	503	517	522	525	526	524	513	507	505	499
3 Q	502	508	506	506	503	502	495	490	485	480	479	483	487	495	503	513	514	519	522	519	518	512	508	506	502
4 Q	508	507	507	507	506	505	500	491	480	474	473	476	485	486	491	495	503	512	525	525	520	517	513	513	501
5	512	506	506	509	511	508	499	491	483	477	478	482	485	498	502	514	527	539	537	537	523	518	514	514	507
6	513	513	510	513	509	505	498	491	485	481	485	481	492	500	501	506	514	534	535	531	526	525	520	517	508
7	511	511	510	514	518	514	512	505	500	491	480	480	487	496	516	510	523	551	541	531	526	528	518	518	512
8 D	491	473	483	516	507	499	492	492	470	465	482	487	488	495	522	539	528	541	527	537	528	495	501	488	502
9 D	448	495	436	491	503	503	502	494	485	473	477	474	483	495	503	514	524	528	532	529	526	513	508	509	498
10 D	506	496	496	507	471	473	496	489	482	472	472	471	458	485	502	510	523	541	537	549	514	495	464	466	495
11 D	490	491	485	490	488	494	494	488	482	462	453	473	498	494	507	535	516	532	519	514	515	515	513	507	498
12	486	487	483	495	503	499	492	477	471	469	469	476	480	483	511	519	531	512	520	526	518	511	502	500	497
13	498	492	497	497	500	492	485	484	481	477	478	466	478	476	500	517	509	517	515	515	520	518	509	506	497
14	500	498	500	502	502	502	496	486	476	475	476	473	476	481	489	496	509	518	535	542	528	514	510	507	500
15 Q	505	505	505	507	504	502	495	491	485	479	480	476	478	484	492	502	511	517	519	518	514	511	509	505	500
16	503	500	504	504	503	499	495	487	482	483	485	488	495	502	504	507	506	520	531	532	531	525	520	509	506
17	509	509	509	507	506	503	496	488	484	479	473	472	477	495	502	505	514	522	527	531	526	521	518	516	504
18	513	511	509	507	507	501	492	487	489	490	492	488	494	494	497	499	517	518	522	521	521	522	518	516	505
19	505	504	507	506	504	505	498	485	472	463	464	466	485	500	511	514	516	517	526	525	532	526	514	506	502
20 D	503	506	488	503	505	504	501	496	492	486	468	472	510	520	550	562	595	570	552	541	518	510	506	499	515
21	502	499	505	505	504	503	497	490	479	475	473	473	482	489	499	514	522	526	527	523	523	516	510	494	501
22	496	498	499	496	487	468	476	490	484	476	489	483	494	488	491	499	530	535	557	541	524	515	507	502	501
23	490	496	497	493	494	496	475	467	473	477	476	477	490	500	500	500	509	517	523	518	516	512	505	500	496
24	496	494	496	501	502	500	492	485	474	467	463	475	492	496	503	519	530	523	534	534	519	507	504	503	500
25	502	502	502	501	498	497	492	488	482	478	474	474	472	478	499	510	541	541	524	520	516	511	510	509	501
26	502	499	494	495	501	502	501	494	477	469	470	472	499	507	510	508	515	518	523	529	523	517	513	507	502
27 Q	503	502	501	501	503	502	497	492	485	480	475	481	488	488	497	504	513	523	530	528	518	510	504	498	501
28 Q	495	501	507	509	510	505	493	482	472	469	472	480	499	511	514	514	512	508	510	516	517	517	517	514	502
29	514	513	511	509	505	500	497	500	497	490	486	487	491	499	510	518	521	521	523	524	525	523	516	509	508
30	502	502	502	503	503	501	496	494	490	486	483	484	491	493	501	535	529	523	525	519	520	518	511	509	505
Mean	500	501	498	503	502	499	494	489	482	476	476	477	487	493	504	513	521	526	528	527	521	515	509	505	502

11·3 B 1932
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D2

MAGNETIC DECLINATION (WEST).

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

26. Lerwick. (D.) 13° + June, 1932.

406
435

Hour. G.M.T. 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	Mean.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	43·3	44·5	45·3	44·3	43·5	42·4	41·6	41·0	42·7	44·7	47·8	50·9	52·2	52·8	51·8	49·9	48·0	47·6	47·4	47·8	47·8	47·2	44·7	46·4	46·5
2	46·8	45·8	46·2	44·5	44·9	41·6	42·6	42·0	44·1	45·5	47·4	50·1	51·6	51·2	50·5	50·1	50·1	49·7	49·3	50·5	48·2	47·8	47·6	47·4	47·3
3 Q	47·6	48·2	45·3	43·5	41·6	40·0	41·0	42·7	44·1	45·1	47·8	49·5	50·3	50·1	48·7	48·2	47·3	47·7	48·8	49·0	47·3	47·9	48·1	47·9	46·6
4 Q	47·1	46·1	45·4	45·2	43·8	42·8	42·8	43·8	44·8	46·7	49·0	51·9	51·9	51·7	51·9	51·1	50·2	49·6	49·2	48·6	47·9	47·5	48·1	47·7	47·7
5	47·7	48·6	47·3	43·8	40·9	39·2	41·5	43·4	44·0	46·9	48·2	50·8	52·3	52·3	52·1	52·1	51·1	50·9	50·2	49·2	48·2	47·3	47·3	46·5	47·6
6	45·7	45·5	45·0	43·6	42·8	41·5	40·7	43·2	43·6	45·7	47·5	49·0	50·2	50·8	51·5	50·8	49·8	50·2	48·7	49·5	48·7	47·2	47·0	47·0	46·9
7	46·6	46·6	45·8	44·7	41·8	41·0	39·8	39·8	43·9	46·8	49·7	52·4	53·4	53·4	54·1	54·5	52·4	52·4	49·1	49·7	48·9	49·3	46·0	44·7	47·8
8 D	44·7	39·5	47·2	42·5	40·6	43·1	43·3	42·7	41·4	44·1	43·5	46·6	49·1	51·8	50·7	51·0	52·0	53·4	51·4	50·3	36·8	38·9	44·9	45·1	45·6
9 D	46·2	38·9	43·5	48·3	42·2	40·6	40·8	41·8	40·6	43·9	47·0	50·3	52·8	51·4	50·7	51·2	50·3	50·3	48·7	47·4	47·2	47·7	45·0	46·3	46·4
10 D	48·2	46·9	43·2	45·5	48·2	48·4	46·5	45·0	43·4	47·1	47·1	47·3	50·7	51·7	50·9	50·9	50·2	49·2	46·7	45·5	47·3	46·9	47·5	47·1	47·6
11 D	43·2	44·4	46·1	47·3	46·3	41·5	40·3	40·1	39·9	43·6	47·5	50·4	51·7	50·9	50·4	51·3	49·4	46·5	49·4	49·2	49·2	46·7	45·0	43·8	46·4
12	46·3	46·9	47·7	46·5	43·0	41·9	42·1	43·2	45·9	45·0	47·1	49·0	51·3	52·7	52·3	51·3	51·1	50·7	49·8	49·6	48·4	48·0	47·5	46·9	47·7
13	47·1	48·4	45·5	46·1	45·2	43·0	41·7	41·3	41·5	43·6	43·6	46·5	48·0	51·3	50·7	48·8	49·2	48·6	48·8	49·0	46·5	47·3	47·5	47·1	46·5
14	46·8	45·8	44·9	43·5	42·5	41·2	41·6	41·8	42·9	43·7	46·0	49·5	51·2	51·0	51·2	50·6	50·1	49·5	49·3	46·8	46·4	46·8	47·0	47·2	46·6
15 Q	46·4	45·8	45·4	44·5	43·1	41·8	41·4	41·4	42·3	43·1	46·2	49·5	51·4	51·2	50·5	49·9	48·9	48·5	48·9	48·3	48·5	47·8	47·8	46·8	46·6
16	46·8	46·4	45·2	44·3	42·9	42·0	41·2	40·8	43·3	45·4	47·4	49·3	50·3	51·4	51·4	50·6	49·1	48·3	49·1	48·3	48·5	47·8	48·1	46·8	46·9
17	47·6	47·8	46·2	43·3	41·0	39·8	39·8	41·2	42·9	44·3	47·9	52·6	54·7	54·1	53·4	51·0	49·5	49·1	48·3	48·5	48·7	48·1	48·1	47·0	47·3
18	46·4	45·6	44·7	42·6	41·5	41·3	40·5	42·1	42·2	44·0	46·5	50·5	52·3	53·3	53·1	50·7	49·2	49·2	49·0	48·2	47·3	47·3	46·5	47·8	46·7
19	46·5	46·9	45·3	44·0	43·2	41·5	40·1	39·9	40·9	42·6	46·1	50·7	54·2	54·2	52·7	50·2	48·8	47·8	49·2	48·6	50·0	46·9	42·1	45·0	46·6
20 D	45·1	43·6	48·2	44·8	42·1	40·3	41·1	41·7	41·7	40·7	44·8	47·8	50·5	54·4	46·9	57·5	57·3	56·3	51·1	50·5	49·4	48·0	49·0	48·8	48·0
21	45·7	45·7	44·0	42·2	43·2	42·1	41·3	42·1	43·2	43·6	45·3	49·4	53·1	53·8	53·3	52·9	50·0	49·2	48·6	46·3	47·7	47·7	40·7	42·8	46·4
22	40·9	39·5	40·1	39·5	43·4	45·0	50·6	46·4	45·6	46·6	46·2	47·0	47·7	48·7	49·3	50·1	50·6	51·0	50·4	45·4	47·9	47·9	47·2	44·7	46·3
23	49·9	47·6	43·1	43·3	42·9	40·8	41·6	44·7	44·3	44·5	46·6	49·5	50·4	49·4	50·2	50·0	48·8	48·7	48·3	47·5	46·7	46·3	46·5	47·8	46·6
24	46·0	45·0	46·3	42·9	41·7	41·9	42·3	42·3	42·7	43·4	46·1	49·2	51·4	51·5	52·9	53·3	52·3	50·6	50·2	50·6	49·0	47·3	46·5	46·1	47·1
25	45·6	46·0	44·8	44·8	43·4	41·7	40·5	40·2	41·1	43·1	46·3	49·2	51·0	51·4	51·9	52·1	52·1	50·6	46·3	48·1	48·5	47·9	46·7	46·5	46·7
26	47·5	45·4	44·0	42·9	40·5	40·2	40·7	41·1	43·2	45·6	49·4	52·5	52·5	53·5	52·5	51·2	50·4	49·8	49·2	45·4	47·5	47·9	47·7	47·1	47·0
27 Q	45·6	46·6	44·0	42·3	41·7	41·3	41·7	41·7	42·9	45·0	48·1	49·4	49·4	48·7	48·7	48·1	47·9	47·7	48·5	46·9	48·1	48·3	47·5	46·3	46·1
28 Q	44·4	44·4	43·1	42·9	42·5	41·5	41·1	42·5	41·9	41·7	44·0	47·1	40·4	49·4	48·5	49·2	49·2	48·5	48·2	49·6	47·9	47·3	46·7	46·1	45·7
29	46·0	45·6	44·8	44·4	43·6	42·9	42·1	41·7	43·2	45·8	49·0	51·2	52·1	51·7	52·3	51·5	51·2	49·4	48·7	48·3	47·9	47·7	46·9	43·6	47·1
30	44·6	44·6	43·8	43·4	42·7	42·1	41·3	41·7	42·1	43·4	46·9	49·4	53·1	55·2	53·9	52·5	51·2	49·2	47·7	47·3	47·5	47·3	46·3	46·0	46·8
Mean	46·1	45·4	45·0	44·0	42·9	41·8	41·8	42·1	42·9	44·5	46·9	49·6	51·3	51·8	51·0	51·1	50·3	49·7	49·0	48·3	47·7	47·3	46·6	46·3	46·8

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

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, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	592	602	605	606	606	607	607	607	604	606	605	602	597	601	605	605	605	604	603	603	601	601	606	605	604
2	601	599	595	589	575	580	587	591	594	588	587	590	592	596	598	601	602	602	604	605	607	607	605	604	596
3 Q	601	591	591	597	600	598	600	600	595	595	597	595	597	601	603	606	612	611	609	610	613	607	605	604	602
4 Q	605	607	607	607	607	605	603	606	605	605	605	607	608	612	616	627	629	621	612	612	616	616	607	607	611
5	605	601	599	594	592	592	601	601	610	610	607	610	618	621	621	621	614	614	618	616	607	605	596	599	607
6	601	601	603	599	601	599	599	592	588	592	594	607	612	607	607	607	610	610	616	614	606	596	602	596	602
7	597	600	599	600	600	602	596	602	600	607	598	596	587	596	598	602	598	600	604	609	602	596	589	567	598
8 D	536	510	545	563	587	598	602	600	611	615	604	607	613	618	624	633	620	609	609	604	604	567	547	477	588
9 D	386	476	494	509	575	597	603	618	627	631	635	617	613	619	630	617	630	643	662	666	655	613	626	637	599
10 D	611	585	577	591	589	584	597	610	623	626	629	636	639	625	631	439	643	634	636	630	624	607	576	510	611
11 D	548	566	582	585	589	594	605	604	606	611	606	601	604	620	617	608	621	615	605	601	601	599	596	589	599
12	574	550	564	574	587	598	597	602	603	604	604	597	597	598	593	603	609	613	610	609	613	613	611	607	597
13	602	594	584	584	584	590	600	603	603	599	599	606	612	614	614	621	619	608	612	611	610	602	606	605	603
14	608	609	607	607	606	605	607	608	607	606	610	613	610	610	608	605	605	607	606	614	617	617	611	610	609
15 Q	611	612	612	610	610	611	609	605	605	601	600	599	599	603	607	608	605	605	608	608	605	606	606	606	606
16	600	604	607	607	606	606	604	603	601	597	597	594	600	604	607	609	614	613	602	598	598	602	603	606	603
17	606	605	600	603	603	603	598	597	593	591	593	594	591	588	590	596	598	599	601	603	601	601	600	598	598
18	601	601	602	603	602	602	599	593	582	582	588	593	597	599	597	603	602	605	602	600	600	594	595	585	597
19	581	574	585	593	597	597	597	597	598	595	590	585	581	582	589	599	602	599	596	599	595	599	602	603	593
20 D	595	592	595	579	592	597	598	596	591	587	593	589	589	598	619	661	670	670	668	646	632	620	604	594	611
21	601	609	608	609	611	611	609	610	606	592	592	593	590	591	597	600	609	613	617	622	611	607	586	566	603
22	567	573	582	585	584	577	567	574	581	579	575	585	597	600	602	603	600	610	617	634	624	617	611	597	593
23	583	551	572	574	577	594	602	602	598	597	598	598	594	605	608	611	613	612	612	611	611	610	605	601	597
24	601	598	588	591	596	600	601	601	600	600	595	588	589	595	599	599	601	607	611	616	618	606	605	604	600
25	603	601	601	602	603	604	606	608	605	600	598	593	586	590	590	588	591	605	622	619	612	609	604	602	602
26	597	590	593	593	593	592	589	591	593	591	588	575	572	588	596	600	597	599	602	614	611	609	606	605	595
27 Q	596	589	584	588	593	599	600	602	601	599	594	590	595	600	603	605	603	602	603	608	610	608	605	605	599
28 Q	602	601	600	601	601	602	603	606	602	599	598	596	591	592	595	596	598	602	601	599	603	606	605	608	600
29	608	608	608	606	604	604	606	601	603	603	605	606	601	602	599	598	601	604	606	606	606	606	608	608	604
30	608	608	609	609	606	604	604	601	596	594	594	590	594	598	592	589	604	613	618	613	609	605	605	605	603
Mean	588	587	590	592	596	598	600	601	601	600	600	598	599	602	605	609	611	612	613	613	611	605	601	594	601

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS:

28. Lerwick. MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE. June, 1932.

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	21	34	515	463	11	17	52	13	22	53·2	40·2	7	15	13·0	6	34	609	588	0	52	21	173	0	82·5
2	19	12	539	468	9	45	71	13	0	52·0	40·6	5	47	11·4	21	28	609	571	4	50	38	280	0	82·5
3 Q	18	48	525	476	10	29	49	13	7	50·7	39·5	6	37	11·2	20	37	616	585	2	10	31	215	0	82·3
4 Q	18	56	532	470	10	22	62	12	4	52·3	42·3	5	53	10·0	16	30	631	601	23	30	30	230	0	82·0
5	17	36	543	473	10	32	70	12	30	53·3	38·4	5	36	14·9	15	25	623	589	6	34	34	259	0	81·5
6	17	50	555	474	9	52	81	14	40	51·9	39·6	6	20	12·3	18	35	623	587	8	40	36	285	1	81·1
7	17	47	569	466	12	7	103	15	5	58·0	37·3	7	22	20·7	19	15	615	545	24	0	70	475	1	81·2
8 D	15	16	586	455	1	17	131	17	26	54·7	27·7	20	25	27·0	15	45	648	450	23	47	198	1113	1	81·3
9 D	18	0	548	369	2	48	179	0	16	57·6	33·9	0	47	23·7	20	5	672	358	0	30	314	1723	2	81·5
10 D	19	5	566	418	23	0	148	23	2	55·0	41·3	2	34	13·7	16	33	652	498	23	17	154	933	1	81·6
11 D	15	29	555	447	10	12	108	12	35	53·5	38·8	6	36	14·7	16	58	628	527	0	0	101	628	1	82·3
12	16	24	543	465	9	15	78	14	5	53·3	40·5	6	21	12·8	16	57	618	545	1	50	73	453	1	82·8
13	15	27	526	458	11	12	68	13	57	52·1	39·6	7	52	12·5	16	0	626	577	2	10	49	327	1	82·4
14	19	55	553	466	11	56	87	12	44	51·6	40·4	6	16	11·2	20	50	621	602	15	38	19	215	1	82·0
15 Q	18	24	523	472	10	55	51	12	25	51·6	40·8	5	40	10·8	2	56	614	596	11	50	18	158	0	82·0
16	20	25	534	478	9	33	56	14	45	51·8	39·6	7	17	12·2	16	58	616	593	11	40	23	188	0	82·3
17	19	14	532	468	11	50	64	12	42	55·1	38·5	6	0	16·6	0	10	608	587	13	44	21	191	0	82·4
18	21	47	526	481	9	36	45	14	0	53·8	39·4	6	39	14·4	17	26	606	578	23	50	28	195	0	82·6
19	20	41	542	459	10	25	83	12	37	54·6	39·4	22	2	15·2	23	0	605	572	1	16	33	274	1	82·8
20 D	16	46	621	452	10	54	169	17	10	61·0	39·7	5	40	21·3	18	7	691	574	3	19	117	790	1	82·9
21	18	35	535	465	11	5	70	13	25	54·4	35·3	22	30	19·1	19	22	625	555	23	56	70	427	1	83·0
22	18	45	574	452	5	44	122	18	2	52·6	37·0	3	33	15·6	19	26	640	556	0	0	84	568	1	82·8
23	19	6	526	461	7	6	65	0	48	56·2	39·6	5	25	16·6	16	46	614	545	1	10	69	416	1	82·9
24	19	34	538	458	10	26	80	15	23	53·7	41·3	4	40	12·4	20	30	623	585	3	4	38	293	1	83·0
25	16	57	556	465	13	29	91	16	11	53·1	40·0	7	37	13·1	18	20	625	581	13	23	44	337	1	83·1
26	19	23	533	462	9	27	71	13	26	54·1	38·6	5	16	15·5	19	33	616	569	12	39	47	322	1	83·0
27 Q	18	41	534	472	10	23	62	11	46	50·2	40·4	7	41	9·8	20	30	612	583	1	49	29	225	0	83·0
28 Q	15	8	520	468	9	32	52	19	22	50·0	40·5	5	52	9·5	20	56	608	590	12	40	18	159	0	83·1
29	19	41	528	483	10	47	45	14	36	52·9	40·5	7	15	12·4	22	58	612	596	15	25	16	140	0	83·0
30	15	24	539	480	10	36	59	13	28	55·6	40·2	6	15	15·4	19	0	621	583	15	5	38	263	1	83·0
Mean	--	--	544	461	--	--	82	--	--	53·7	39·0	--	--	14·6	--	--	624	562	--	--	62	408	0·63	82·4
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 38. 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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	507	505	507	506	505	506	503	502	496	486	478	474	475	489	503	512	519	519	525	526	525	519	514	513	505
2	512	511	511	514	513	509	496	483	478	479	481	482	486	496	508	515	511	509	516	521	521	518	514	409	504
3 Q	507	503	504	505	506	506	503	495	480	470	470	466	482	500	515	513	511	514	513	514	514	513	511	511	501
4	510	509	511	511	507	500	498	498	492	488	488	491	505	511	539	531	520	528	544	541	531	530	538	531	515
5 D	529	528	527	526	527	522	516	507	493	480	472	472	485	502	514	522	536	574	570	573	554	538	511	516	521
6 D	518	513	519	504	512	498	454	454	444	456	458	466	492	504	488	511	519	521	516	529	516	515	505	502	497
7 D	485	490	486	459	480	489	472	472	456	462	462	468	475	487	491	502	514	531	529	524	524	514	506	500	491
8 D	498	483	484	501	500	492	491	488	474	461	461	465	484	495	495	511	540	566	535	527	526	508	510	499	500
9	494	488	497	503	501	493	499	499	489	471	474	476	485	490	486	498	516	546	529	527	519	508	502	489	499
10	491	486	490	497	495	479	476	476	469	455	461	473	479	492	498	520	513	520	530	528	525	529	500	500	495
11	498	499	500	500	497	496	493	489	481	471	465	461	477	487	497	499	505	509	518	516	516	510	508	506	496
12	502	495	498	495	492	495	494	490	481	464	475	478	476	485	489	503	514	519	534	542	519	505	501	501	498
13 Q	501	501	500	497	498	494	487	483	479	475	472	471	473	480	492	503	508	513	516	516	514	509	506	502	495
14 Q	502	502	502	502	503	498	496	492	486	476	469	463	466	476	504	511	518	528	526	521	516	510	510	513	500
15	506	501	501	503	501	497	492	486	478	474	475	478	482	492	502	508	512	515	523	525	523	517	513	506	500
16 D	507	513	515	516	514	509	487	476	492	493	487	498	493	495	457	514	533	517	511	509	507	509	494	496	502
17	478	474	480	481	478	477	489	488	486	478	484	485	489	492	501	507	511	515	517	518	515	512	506	507	495
18	501	496	497	494	501	498	491	489	481	476	477	481	487	491	499	520	525	544	539	532	519	510	504	503	502
19	500	501	500	495	496	496	487	474	474	474	481	487	489	501	506	512	518	516	527	519	518	520	527	500	501
20	503	499	501	505	503	500	490	487	479	472	469	472	484	497	502	508	518	516	518	517	518	515	513	510	500
21	508	500	499	505	507	508	502	497	487	479	470	461	468	486	497	506	511	520	524	527	531	512	502	501	500
22	509	503	504	507	506	500	493	490	488	477	469	470	472	485	499	503	516	524	529	534	528	521	505	506	502
23	508	505	508	503	500	498	497	498	489	480	478	483	484	503	509	505	513	525	520	523	518	515	513	511	504
24	507	505	505	505	506	503	500	501	497	491	481	476	480	492	503	501	511	527	533	534	519	508	504	505	504
25	517	507	506	507	508	506	502	497	490	485	485	486	482	483	489	497	500	511	520	528	533	526	521	518	504
26	515	513	494	510	514	515	510	504	492	490	485	480	474	483	499	509	505	520	521	527	525	519	514	513	505
27	508	507	510	509	510	513	514	503	491	485	484	481	483	498	512	518	514	521	526	526	521	519	514	510	507
28 Q	508	504	503	505	508	506	508	502	488	475	469	474	482	491	508	516	520	521	521	519	513	510	508	507	503
29 Q	506	507	507	505	504	503	502	500	494	487	479	481	486	490	500	507	510	516	522	522	520	518	516	513	504
30	511	509	508	506	506	505	501	498	491	480	481	487	493	499	497	497	494	512	520	535	529	521	513	502	504
31	499	498	507	512	514	519	496	493	491	488	488	459	470	486	507	509	488	511	522	525	520	515	511	508	501
Mean	505	502	503	503	504	501	495	491	483	477	475	476	482	492	500	509	514	523	526	527	522	516	510	507	502

071

MAGNETIC DECLINATION (WEST).

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

30. Lerwick. (D.) — 13° + — July, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	46·0	45·8	45·4	45·2	43·8	42·9	43·4	43·8	44·2	45·2	47·9	51·2	52·3	52·1	51·5	50·4	48·5	47·3	47·3	47·7	48·1	48·3	47·1	46·7	47·2
2	46·5	46·7	45·0	43·6	41·7	40·9	39·8	40·4	42·9	46·0	48·5	50·6	53·5	54·4	52·7	51·0	48·7	47·3	47·1	47·3	47·5	47·5	47·5	47·1	46·8
3 Q	46·3	46·0	46·0	44·8	43·2	42·3	41·3	39·8	40·7	43·4	48·3	52·7	56·0	55·4	53·1	51·0	49·2	47·9	46·1	45·8	46·1	46·1	46·3	46·7	46·9
4	46·3	45·6	45·0	43·8	43·4	42·3	41·7	41·7	42·3	44·2	48·7	52·5	54·2	55·0	54·4	53·7	52·5	50·8	51·2	50·0	47·9	47·3	46·7	46·5	47·8
5 D	44·2	44·6	46·1	45·8	42·9	40·9	40·0	41·5	44·0	46·5	49·4	52·3	54·6	56·8	57·3	55·4	52·7	55·0	54·8	51·7	44·2	42·7	47·3	45·6	48·2
6 D	42·9	44·8	45·6	44·6	49·0	46·5	54·2	50·2	46·1	48·1	49·6	51·9	50·4	52·3	49·0	45·8	48·1	47·5	47·9	46·1	46·3	47·3	46·9	47·1	47·8
7 D	41·7	39·8	44·0	46·5	47·7	42·5	44·8	47·3	49·2	45·8	47·1	49·4	52·5	51·7	50·4	47·9	47·5	48·3	46·5	46·9	47·9	47·3	46·1	45·8	46·9
8 D	47·9	46·9	46·3	41·7	40·7	41·3	41·1	41·7	42·7	44·6	47·3	49·8	50·8	51·2	50·8	49·0	45·6	46·3	49·2	48·7	48·8	49·2	44·6	41·9	46·2
9	47·1	50·0	45·4	41·9	40·2	42·1	41·7	42·5	43·4	44·2	44·2	46·0	48·5	50·4	51·4	50·9	49·9	47·0	48·0	48·6	47·8	45·5	40·8	43·3	45·9
10	48·6	50·9	48·4	40·4	38·9	42·4	42·4	40·8	39·9	41·2	44·3	47·0	48·7	49·1	47·2	46·6	47·0	43·3	48·6	47·6	46·6	43·3	45·1	45·7	45·2
11	45·1	44·3	43·9	42·6	43·7	43·0	42·8	41·6	42·6	43·7	47·0	49·9	51·3	51·8	50·7	49·5	48·4	47·4	47·0	47·8	47·6	48·0	48·4	48·4	46·5
12	44·7	43·5	43·5	42·8	44·7	44·1	43·9	41·4	42·6	43·9	43·7	47·2	49·3	49·9	48·9	48·0	47·4	47·0	47·6	46·6	41·0	45·5	46·2	46·0	45·4
13 Q	45·3	45·1	44·7	44·5	42·2	39·3	39·3	39·3	40·6	43·1	46·0	48·2	50·5	51·8	50·5	48·9	47·2	46·2	46·0	46·2	46·4	46·0	46·0	45·9	45·4
14 Q	45·7	45·9	45·5	44·5	41·8	39·9	39·7	40·8	42·8	43·7	47·0	49·7	51·8	51·8	50·7	49·9	47·2	46·8	47·2	47·6	47·6	47·4	47·0	46·6	46·2
15	44·7	44·5	43·7	43·1	41·0	39·5	38·9	38·7	40·3	43·1	45·1	46·4	47·6	49·1	49·1	48·4	46·6	45·3	46·2	47·8	48·2	47·0	44·9	45·5	44·8
16 D	44·1	43·9	42·6	42·6	40·4	40·6	43·7	43·5	48·6	48·2	45·5	47·2	50·3	54·7	55·5	52·0	52·0	50·1	49·1	48·9	46·4	38·7	43·0	45·3	46·5
17	39·7	45·1	37·6	38·7	39·9	42·8	40·1	41·2	42·0	44·5	44·3	46·6	49·5	49·7	48·9	48·0	48·6	48·4	48·6	47·8	47·2	46·2	44·5	44·1	44·7
18	43·7	43·1	44·3	45·5	42·6	40·8	40·6	41·0	43·1	44·7	46·0	48·9	50·3	51·3	49·5	48·4	48·6	49·7	45·3	47·8	47·0	47·0	45·9	45·1	45·8
19	44·1	43·7	44·1	43·9	43·6	41·2	41·2	41·2	43·1	44·3	45·3	46·0	48·6	50·5	50·9	51·1	50·5	48·9	48·2	47·2	48·4	47·2	44·3	44·5	45·9
20	43·8	42·7	44·0	43·4	41·5	40·3	40·2	39·6	40·7	41·9	46·0	48·5	50·0	50·8	51·3	49·0	47·5	45·9	46·5	46·9	46·9	45·4	43·2	40·5	44·8
21	42·1	43·0	41·9	42·7	42·3	41·9	41·5	39·6	38·8	40·2	44·6	48·3	50·8	52·5	52·1	52·3	49·4	47·5	46·5	46·5	46·1	40·9	42·5	44·6	44·9
22	46·3	44·6	44·0	43·6	42·1	41·1	41·1	40·5	40·2	42·1	46·5	49·4	51·3	52·1	52·1	51·2	50·0	48·3	47·1	45·6	45·0	45·4	40·9	42·5	45·5
23	43·2	43·4	43·2	43·6	42·7	40·5	39·6	38·8	39·4	40·2	42·5	46·5	49·4	51·3	51·5	50·8	51·0	50·6	48·3	47·7	46·7	46·1	44·5	44·2	45·3
24	44·0	43·6	44·0	43·2	41·9	41·5	41·1	40·0	40·7	42·1	45·0	46·9	50·2	50·8	50·6	50·4	50·2	50·0	48·6	46·5	45·6	46·1	45·8	44·4	45·5
25	41·1	42·7	42·9	42·5	41·9	41·5	40·9	40·7	41·5	43·4	46·5	49·4	51·2	51·0	50·0	49·8	49·0	48·5	47·7	46·9	47·1	46·3	45·6	45·0	45·5
26	44·6	46·1	48·3	44·6	39·6	38·8	39·6	40·5	42·7	44·8	46·3	48·8	50·4	50·2	50·8	51·0	48·5	47·5	47·7	47·5	47·5	46·7	44·6	44·0	45·9
27	43·6	44·0	43·4	44·0	41·3	40·2	41·1	42·5	44·4	44·6	46·3	49·0	51·9	52·5	52·5	51·0	48·6	47·3	47·5	47·7	46·7	45·0	46·3	44·6	46·1
28 Q	44·8	45·2	43·2	40·3	38·6	39·8	39·8	40·7	41·9	42·5	44·4	46·1	48·8	48·6	47·9	47·9	47·3	46·9	46·7	45·9	46·3	45·9	45·6	45·6	44·6
29 Q	45·6	45·0	43·8	43·0	41·5	40·2	40·3	40·5	41·1	42·7	45·8	49·2	51·2	51·2	51·0	49·8	48·3	46·9	46·1	46·7	47·1	47·3	46·9	46·5	45·7
30	45·9	45·4	45·0	43·8	41·7	39·8	40·5	40·7	41·1	43·8	45·6	47·1	48·1	47·9	47·5	47·1	46·9	46·9	47·1	47·9	44·2	45·6	45·4	41·9	44·9
31	44·2	48·5	48·5	42·5	38·6	38·6	41·1	42·1	45·2	46·3	48·6	53·7	54·8	52·9	52·3	52·1	48·3	47·3	46·1	46·3	45·9	45·9	45·9	45·4	43·7
Mean	44·6	45·0	44·5	43·3	42·1	41·3	41·5	41·4	42·5	44·0	46·2	48·9	50·9	51·6	51·0	49·9	48·8	47·9	47·7	47·4	46·7	45·9	45·4	45·1	46·0

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56–61.

073/01

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, 1932.**

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	605	605	604	604	604	601	601	603	604	605	604	597	595	595	598	600	605	605	603	601	600	602	602	602	602
2	602	604	606	605	605	603	602	601	600	593	585	588	589	590	591	599	612	613	609	607	605	604	604	606	601
3 Q	608	609	608	607	603	603	604	608	608	603	596	592	590	591	595	602	608	611	609	607	604	603	603	603	603
4	604	606	607	609	610	610	602	602	601	592	587	582	579	583	596	614	622	617	604	602	604	602	598	599	601
5 D	599	603	599	598	592	596	596	598	600	600	593	589	590	587	585	600	611	611	630	648	625	614	581	587	601
6 D	590	593	596	602	578	573	583	565	592	603	611	597	601	623	669	660	631	633	631	635	627	611	593	557	607
7 D	533	559	581	569	568	571	593	596	602	605	619	617	608	605	607	608	622	630	653	639	623	614	605	594	601
8 D	570	579	575	587	588	593	599	600	603	611	610	605	601	608	620	624	639	644	653	643	630	587	577	580	605
9	592	585	587	602	605	613	613	614	617	617	619	617	622	620	623	616	628	629	638	635	630	623	605	592	614
10	591	563	549	560	585	597	608	612	609	609	613	611	608	608	608	615	627	633	620	624	620	597	597	603	603
11	607	606	605	606	604	604	606	611	612	612	612	603	595	600	601	609	612	618	624	623	619	615	609	595	609
12	596	601	604	606	604	595	597	604	609	615	608	608	610	613	607	610	612	610	612	616	628	623	617	615	609
13 Q	615	614	611	609	607	608	613	614	615	614	614	612	611	609	602	606	614	614	614	612	612	613	614	614	612
14 Q	613	611	609	607	607	610	608	609	609	611	608	609	611	608	605	612	612	613	612	613	612	611	611	604	610
15	601	609	610	612	612	611	610	610	610	609	603	597	597	600	604	610	616	616	613	611	612	610	598	599	607
16 D	599	604	608	607	603	600	592	585	578	587	595	591	607	649	666	627	622	626	610	607	605	596	602	580	606
17	561	556	564	590	596	596	598	596	602	602	601	606	609	614	604	605	607	608	607	606	606	606	608	606	598
18	607	607	607	608	607	609	609	610	609	604	601	597	598	601	604	612	620	620	633	624	619	614	609	608	610
19	609	609	608	607	605	603	608	606	598	599	594	589	592	591	598	607	614	616	613	620	610	606	590	602	604
20	602	603	602	601	604	608	608	605	601	597	595	589	587	594	606	610	614	617	614	609	604	604	601	591	603
21	573	578	589	599	603	604	608	607	605	603	604	598	588	587	592	599	610	617	613	607	606	611	608	603	601
22	593	590	600	604	606	609	608	606	605	604	602	596	595	597	596	599	602	611	616	625	620	613	581	590	603
23	595	601	602	605	603	603	602	602	603	600	598	596	596	595	599	614	617	615	616	614	612	609	607	606	605
24	606	606	605	607	608	606	607	607	609	610	608	603	599	594	598	602	606	610	618	626	625	624	615	609	609
25	594	603	604	605	606	607	612	614	612	610	608	604	601	602	604	603	602	602	602	606	606	613	611	609	606
26	608	603	595	566	583	588	598	603	605	606	611	607	600	597	601	607	618	619	620	617	614	612	610	605	604
27	606	605	605	603	599	601	600	603	607	604	604	601	600	602	604	613	623	620	617	619	619	614	595	599	607
28 Q	603	602	601	602	603	604	604	605	609	610	605	604	598	599	602	608	610	612	611	612	613	612	612	611	606
29 Q	610	609	606	609	610	609	607	603	600	599	595	592	597	603	605	606	611	614	614	612	610	609	608	608	606
30	608	608	609	610	609	608	606	604	604	606	604	598	593	599	608	614	617	610	610	607	609	605	600	591	606
31	597	595	579	571	575	579	584	582	592	597	609	606	598	608	618	636	653	635	626	619	612	609	607	605	604
Mean	597	598	598	599	600	601	603	603	604	605	604	600	599	602	607	611	617	618	618	618	614	609	603	599	605

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

32. Lerwick. **July, 1932.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000γ + h. m.	Maximum γ	Minimum 14,000 γ+ γ	Minimum h. m.	Range γ	Declination. Maximum 13° + h. m.	Maximum ′	Minimum 13° + ′	Minimum h. m.	Range ′	Vertical Force. Maximum 46,000γ + h. m.	Maximum γ	Minimum 46,000γ + γ	Minimum 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	19 22	537	470	12 8	67	12 46	52·7	42·3	5 38	10·4	9 39	607	592	11 57	15	167	0	83·3
2	15 25	525	475	8 24	50	13 34	55·0	39·0	6 37	16·0	17 6	616	584	10 31	32	222	0	83·6
3 Q	14 37	518	464	11 8	54	12 56	56·8	39·2	7 45	17·6	17 43	613	589	12 32	24	190	0	83·9
4	14 28	569	484	11 8	85	14 26	56·4	39·6	5 45	16·8	16 4	625	579	12 21	46	337	1	84·1
5 D	17 55	604	466	10 58	138	14 5	59·3	38·0	21 18	21·3	19 57	657	576	14 9	81	577	1	84·4
6 D	19 38	541	418	7 2	123	6 44	58·9	40·2	3 10	18·7	14 47	688	517	24 0	171	975	1	84·6
7 D	17 42	547	442	3 36	105	12 29	53·1	37·8	1 34	15·3	18 24	656	515	0 5	141	809	1	84·9
8 D	17 12	601	448	9 27	153	21 33	54·1	38·6	17 4	15·5	18 2	657	560	0 50	97	674	1	85·1
9	17 34	559	457	9 47	102	14 32	51·9	38·7	22 7	13·2	18 16	641	575	1 57	66	456	1	85·1
10	21 13	543	446	10 5	97	1 24	53·4	37·6	4 40	15·8	17 27	638	542	2 45	96	588	1	85·2
11	18 10	524	448	11 3	76	13 16	52·2	40·4	7 32	11·8	18 50	626	587	23 46	39	292	0	85·3
12	19 34	553	455	9 30	98	13 43	50·5	37·2	20 13	13·3	20 50	632	593	0 0	39	324	1	85·5
13 Q	18 0	519	468	12 33	51	13 28	52·0	38·1	7 37	13·9	0 0	617	599	14 45	18	158	0	85·2
14 Q	17 57	533	459	11 45	74	12 56	52·4	38·3	5 54	14·1	17 43	615	598	23 56	17	186	0	85·1
15	19 35	530	465	9 28	65	14 10	49·7	38·1	5 56	11·6	16 20	617	592	22 36	25	211	0	85·0
16 D	16 42	560	438	14 14	122	14 7	58·6	30·2	21 33	28·4	14 7	684	567	24 0	117	722	1	84·7
17	18 10	523	456	1 3	67	13 18	50·7	34·3	2 48	16·4	13 30	617	543	0 18	74	442	1	84·5
18	17 35	551	470	8 24	81	13 39	51·4	38·7	5 55	12·7	18 23	638	594	12 4	44	322	1	84·3
19	22 16	565	469	7 57	96	16 14	51·3	40·1	5 36	11·2	19 8	623	574	22 29	49	367	1	84·2
20	19 53	523	463	10 38	60	14 21	51·7	37·6	23 53	14·1	17 12	619	585	11 57	34	245	0	84·4
21	20 6	537	456	11 36	81	13 38	53·1	37·8	21 52	15·3	21 20	621	571	0 56	50	350	1	84·4
22	21 50	541	465	12 15	76	14 38	52·5	39·6	8 30	12·9	19 24	627	579	22 9	48	334	1	84·4
23	17 34	531	475	9 57	56	13 56	52·1	36·7	7 10	15·4	15 56	620	594	13 23	26	202	0	84·5
24	19 3	543	472	12 37	71	15 10	51·2	39·2	7 43	12·0	19 48	630	593	13 42	37	275	1	84·6
25	20 53	538	479	11 55	59	12 19	51·3	40·0	0 26	11·3	7 16	616	592	0 11	24	198	0	84·8
26	19 1	531	469	12 33	62	14 50	51·2	37·5	5 45	13·7	18 10	622	559	3 41	63	384	1	85·0
27	18 54	529	470	12 9	59	12 43	53·1	39·0	6 8	14·1	17 13	624	589	22 48	35	249	0	85·2
28 Q	16 41	524	467	10 29	57	12 55	49·2	38·0	4 18	11·2	20 13	614	596	12 40	18	167	0	85·4
29 Q	20 5	526	477	10 36	49	13 34	51·9	39·4	5 54	12·5	17 55	616	591	11 36	25	188	0	85·7
30	19 23	540	477	9 33	63	19 23	48·5	38·0	5 10	10·5	16 17	619	585	23 16	34	249	1	85·9
31	17 56	533	452	11 30	81	11 55	56·2	36·5	4 37	19·7	16 7	659	570	3 30	89	490	1	86·0
Mean	-- --	542	462	-- --	80	-- --	53·0	38·2	-- --	14·7	-- --	631	577	-- --	54	366	0·58	84·8
No. of Days Used.	-- --	31	31	-- --	31	-- --	31	31	-- --	31	-- --	31	31	-- --	31	31	31	31

§ For explanation see page. 38. Q denotes an International Quiet Day, while D denotes a disturbed day used for the computation of Tables 56-61.

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↓479

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) +

↓565

August, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	506	510	496	507	506	503	500	497	485	477	473	468	471	487	497	517	532	555	544	521	524	520	503	506	504
2 D	506	488	470	502	516	515	488	497	497	490	479	483	483	490	505	552	543	550	543	531	523	535	499	483	507
3 D	504	493	499	493	503	504	487	426	441	461	447	430	459	512	518	523	535	542	528	520	523	530	496	450	493
4	408	482	487	482	449	488	495	488	462	451	465	466	462	490	507	517	520	525	527	524	518	511	509	507	489
5	506	506	505	505	499	498	503	499	479	426	438	457	480	485	487	490	494	509	515	524	526	512	496	504	493
6	516	501	498	492	499	503	500	494	484	476	467	464	476	488	497	514	519	512	513	519	518	513	511	503	499
7	503	503	505	505	504	500	495	489	479	474	472	475	479	490	485	493	499	509	518	514	517	514	510	504	497
8	503	500	498	502	506	507	505	503	495	486	480	480	481	501	503	503	519	521	524	519	519	514	510	509	504
9	508	504	505	508	501	508	509	488	477	479	481	474	472	483	495	496	494	508	516	518	517	512	507	506	499
10 Q	505	502	505	502	501	500	496	491	482	478	478	480	486	492	495	498	506	510	516	518	515	513	511	512	500
11	512	509	507	508	506	502	502	499	491	484	479	487	492	498	507	511	515	514	522	523	523	521	519	517	506
12	488	465	476	484	523	507	507	498	488	478	476	480	485	499	509	525	504	510	513	515	517	513	514	514	499
13	502	499	493	501	508	506	498	470	468	486	479	476	474	494	506	495	514	523	520	506	505	507	482	504	497
14	498	499	502	504	503	497	479	474	473	462	461	469	479	488	497	503	511	512	511	516	512	507	508	506	495
15	500	499	500	502	502	499	493	492	488	482	475	480	484	497	500	502	503	511	514	515	511	510	503	504	498
16 Q	503	497	504	507	505	500	497	494	488	482	474	480	488	500	508	509	509	511	509	513	512	508	505	505	500
17 Q	507	503	505	505	504	501	497	490	479	471	471	472	482	491	502	505	517	521	521	517	514	505	503	502	499
18 Q	499	503	505	502	500	492	488	487	480	473	472	474	486	492	499	506	511	513	518	517	516	513	509	506	498
19 Q	506	503	505	503	500	496	491	483	477	472	470	472	483	497	498	497	499	506	515	515	512	511	506	506	497
20	504	504	502	500	500	499	495	487	477	471	470	470	479	488	501	508	516	521	523	523	523	523	524	520	501
21	522	518	515	520	520	509	495	489	481	474	467	473	470	481	490	504	502	523	527	520	516	514	512	517	502
22	499	495	497	501	503	501	499	496	486	482	476	472	474	500	498	499	525	510	521	518	510	505	506	510	499
23	502	500	499	500	501	493	487	490	485	477	458	472	491	497	508	504	491	503	506	507	509	507	508	513	496
24	509	500	500	500	499	499	496	493	490	482	477	472	474	482	492	500	506	508	509	509	510	508	508	503	497
25	502	499	499	500	495	495	496	487	485	477	476	475	482	492	495	503	509	512	516	519	518	519	511	519	499
26	509	510	504	505	507	504	497	492	482	477	477	481	490	500	495	503	502	504	505	510	511	513	516	510	500
27 D	511	507	499	505	499	506	514	486	453	464	478	487	492	493	501	546	521	574	567	514	507	502	460	454	502
28 D	460	234	193	444	497	461	407	456	452	382	424	444	483	498	499	532	592	570	526	498	495	495	498	485	459
29 D	491	467	461	467	443	461	481	445	444	438	438	445	479	511	515	536	565	538	533	535	483	475	461	493	484
30	476	462	412	466	496	485	482	474	454	463	457	462	466	505	493	547	558	513	524	495	481	481	483	473	484
31	473	485	484	474	479	482	483	465	465	456	458	459	469	482	491	502	506	500	494	496	498	503	490	491	483
Mean	498	489	485	497	499	497	492	485	476	469	468	470	479	494	500	511	517	521	521	516	512	510	503	501	496

081

MAGNETIC DECLINATION (WEST).

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

34. Lerwick. (D.)

13° +

August, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	43·8	41·9	41·3	39·8	39·8	38·6	38·6	39·6	42·3	43·6	45·4	47·1	49·8	51·9	52·1	50·8	49·2	50·2	47·1	44·8	43·4	40·7	38·8	40·9	44·2
2 D	40·9	46·5	43·2	35·9	37·5	39·6	43·2	44·0	42·3	43·2	45·4	47·7	50·8	52·9	53·3	50·8	42·5	49·8	42·9	44·0	46·1	35·3	37·1	43·0	44·1
3 D	44·4	46·7	41·3	43·6	43·6	42·7	43·4	46·7	49·0	48·3	46·9	51·3	56·0	53·3	51·7	49·0	43·6	39·0	45·6	48·3	43·8	40·0	42·3	34·7	45·6
4	46·1	47·9	44·0	44·6	47·7	47·3	44·8	43·6	45·0	48·1	46·9	48·6	49·4	51·0	50·0	47·7	46·5	44·4	45·9	46·3	46·1	45·4	45·2	44·4	46·5
5	43·8	43·2	42·9	43·6	45·2	49·6	45·9	42·5	41·3	43·6	47·5	50·0	51·2	51·5	50·4	49·0	46·3	44·6	43·6	44·8	43·6	41·7	41·3	44·2	45·5
6	44·0	43·6	41·3	43·2	43·2	41·7	40·5	39·8	40·2	40·9	42·9	46·3	49·2	50·2	50·0	47·1	46·3	45·6	45·2	45·9	45·8	45·2	42·9	41·7	44·3
7	43·6	44·2	44·2	43·6	43·4	42·7	41·7	39·8	39·0	40·7	44·0	49·0	51·7	52·9	51·7	51·3	49·2	47·1	45·8	45·4	43·2	44·4	45·2	44·0	45·3
8	45·4	44·4	46·9	44·0	44·0	42·5	43·6	43·2	43·2	43·0	45·6	48·3	50·8	53·3	52·7	50·6	48·1	46·1	45·2	44·0	45·9	45·9	45·6	45·2	46·1
9	44·2	43·2	43·6	43·2	44·8	44·4	41·3	40·5	45·2	50·2	47·1	49·0	51·0	50·2	48·3	46·9	45·2	44·8	44·8	44·8	44·6	43·2	43·4	45·6	45·4
10 Q	44·8	45·2	44·0	41·3	40·5	40·3	39·4	39·8	40·3	42·1	43·4	45·6	48·3	49·8	49·0	47·9	46·3	45·6	45·9	46·1	45·8	45·6	45·0	44·8	44·5
11	44·4	43·6	43·6	43·2	42·5	42·1	41·3	41·3	41·7	43·6	44·6	46·3	49·0	50·4	50·2	49·2	47·9	47·1	47·7	47·5	46·3	45·2	45·6	41·3	45·3
12	33·6	29·2	29·0	44·4	36·7	39·4	39·0	39·0	40·2	41·9	44·4	48·3	52·7	56·6	55·8	54·0	49·4	47·3	46·3	46·1	46·5	45·8	44·2	41·3	43·8
13	42·9	40·7	37·5	44·2	38·4	38·0	37·3	39·4	44·6	43·4	45·8	48·6	49·8	50·8	50·6	48·6	47·5	45·9	38·8	44·0	45·2	44·4	45·6	37·3	43·7
14	41·3	42·1	42·3	42·1	41·9	40·0	41·1	40·0	39·4	42·7	44·2	47·1	49·6	51·0	49·6	47·1	45·9	45·4	45·0	45·6	45·6	44·4	45·2	44·2	44·3
15	43·2	43·4	41·9	41·3	40·2	39·0	40·7	41·5	41·9	44·0	46·1	49·2	51·5	52·7	51·7	50·0	47·3	46·1	46·1	46·1	44·4	44·0	43·4	43·4	45·0
16 Q	40·5	39·8	41·9	42·5	41·3	40·3	41·7	41·9	41·7	42·5	45·9	49·2	51·0	50·2	49·0	47·7	46·3	45·6	45·2	45·2	45·6	45·2	44·0	43·8	44·5
17 Q	43·6	42·1	41·9	41·5	41·9	40·7	40·0	40·2	39·8	41·3	43·8	47·3	50·0	50·2	49·4	46·9	57·1	47·5	46·5	47·5	45·9	46·5	45·2	43·8	44·6
18 Q	43·0	43·0	42·3	42·5	42·1	40·3	40·5	39·8	41·7	42·5	45·4	47·7	49·8	50·0	47·9	45·9	45·2	45·0	44·0	45·8	46·1	45·8	45·8	43·6	44·4
19 Q	42·1	41·7	41·1	40·5	40·3	40·0	40·2	40·7	40·9	41·7	44·0	46·3	48·8	51·0	50·6	49·6	48·1	47·1	46·3	45·8	45·2	43·6	43·4	43·4	44·3
20	43·2	42·9	42·5	42·9	41·9	40·7	40·0	40·0	40·2	41·5	44·4	47·7	49·8	50·6	50·6	49·4	48·3	49·4	45·4	45·6	46·9	46·1	45·8	43·8	45·0
21	43·8	41·1	44·0	42·9	41·9	43·4	46·1	40·3	40·2	42·3	45·8	50·2	52·7	53·7	53·7	53·3	49·0	47·9	45·6	47·5	47·5	45·9	42·7	36·3	45·7
22	37·3	41·7	43·2	41·7	41·3	40·2	39·2	39·0	40·2	42·3	45·9	51·7	53·7	53·7	47·9	48·1	49·8	47·1	38·8	40·3	44·1	45·9	45·9	44·3	44·3
23	43·9	43·5	43·1	42·6	42·0	42·6	42·4	40·1	40·4	43·3	46·3	48·3	49·6	49·6	49·4	46·1	45·2	45·0	45·4	44·6	44·4	44·2	43·8	42·8	44·5
24	40·6	42·6	42·8	42·4	42·2	42·2	42·4	40·6	40·3	41·6	43·9	46·2	49·2	49·8	47·9	46·0	45·2	44·0	42·7	44·2	44·8	46·2	44·1	43·2	44·0
25	43·7	43·0	42·4	43·0	44·1	43·7	42·2	42·0	43·5	43·3	44·0	46·9	50·2	50·6	48·7	46·7	44·8	44·7	44·9	44·9	44·7	42·8	43·9	43·9	44·7
26	44·1	44·0	40·8	41·1	40·8	40·2	40·4	40·4	41·8	42·8	44·7	46·5	48·6	49·2	47·0	46·6	45·4	45·4	44·8	45·2	44·4	44·6	43·1	42·0	43·9
27 D	44·3	43·8	43·0	42·8	42·8	43·4	44·3	45·5	45·4	53·5	44·7	48·9	50·6	42·7	42·9	42·5	40·8	42·5	38·2	43·6	45·5	44·9	29·7	30·3	45·3
28 D	35·5	39·5	37·0	36·0	39·7	43·7	50·6	53·7	44·8	43·7	47·3	50·8	50·0	52·4	49·7	45·2	46·8	43·6	39·9	45·9	46·1	45·9	44·9	47·3	45·0
29 D	40·3	37·4	41·8	42·2	43·2	45·5	43·2	45·9	45·8	47·2	49·9	52·9	52·0	46·0	49·5	49·1	41·6	37·9	41·2	40·6	41·6	47·0	51·6	46·8	45·0
30	45·4	49·1	47·4	46·5	41·5	41·5	41·3	41·3	42·4	44·0	47·5	49·2	47·6	50·9	49·0	41·1	37·6	43·6	41·1	42·0	43·6	38·0	43·8	50·7	44·4
31	48·7	42·9	41·4	43·7	43·7	43·7	42·0	41·8	42·9	44·3	46·0	48·1	49·7	49·5	47·6	46·2	44·1	42·5	42·9	44·1	46·0	45·0	43·5	44·3	44·8
Mean	42·8	42·7	42·0	42·4	41·9	41·9	41·9	41·7	42·2	43·8	45·8	48·4	50·5	51·3	50·2	48·4	46·3	45·4	44·1	45·1	45·1	44·1	43·6	42·8	44·8

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

083

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

46,000 γ (·46 C.G.S.unit) +

35. Lerwick. (V.)

August, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	602	588	575	586	602	607	607	602	602	604	602	599	597	602	608	626	647	676	684	662	628	592	544	533	607
2 D	568	574	507	565	590	590	599	598	605	607	609	606	608	609	609	627	685	664	665	646	625	578	562	567	603
3 D	546	539	562	581	591	597	602	608	596	596	609	623	624	628	618	625	638	647	642	624	621	597	582	526	601
4	468	544	572	587	565	571	590	609	621	624	609	613	627	620	618	622	630	637	627	621	617	615	611	610	601
5	611	612	612	612	608	588	580	588	600	617	619	603	593	599	612	616	622	625	627	627	611	604	595	575	607
6	562	565	586	601	606	613	615	618	616	620	620	616	614	618	619	624	634	636	629	620	619	614	599	586	610
7	593	601	603	606	611	616	612	613	617	612	609	605	592	587	587	589	601	605	613	615	611	603	600	594	604
8	584	589	589	592	589	596	596	594	592	598	604	599	598	599	604	611	613	622	629	634	623	618	614	610	604
9	609	609	609	609	609	595	599	610	615	604	605	614	613	611	612	614	615	615	616	617	617	618	616	611	611
10 Q	609	606	604	605	608	610	611	614	617	616	612	605	601	604	606	606	608	611	610	608	609	610	610	609	609
11	609	608	608	606	607	607	606	605	604	604	600	594	597	600	601	603	607	606	602	603	604	606	607	578	603
12	549	527	523	536	522	573	591	602	604	601	595	591	591	595	591	607	619	609	602	602	604	607	604	595	585
13	594	581	585	570	582	593	595	596	589	590	593	594	595	594	602	607	607	614	634	625	613	604	576	572	596
14	589	592	595	600	601	602	604	606	608	605	604	598	598	601	609	613	608	605	602	601	606	608	602	602	602
15	606	608	608	608	608	608	606	602	602	600	596	594	599	607	618	625	625	615	612	608	614	610	608	607	608
16 Q	596	604	604	603	605	606	605	603	600	601	601	599	599	601	605	609	613	613	611	609	606	605	605	605	605
17 Q	603	605	605	608	609	609	608	603	601	602	599	596	591	593	596	602	603	610	610	611	609	609	606	606	604
18 Q	606	602	602	606	607	609	607	603	599	596	591	591	592	594	599	608	610	611	608	607	601	601	598	592	602
19 Q	595	601	603	606	609	611	608	604	599	596	595	596	592	596	605	611	611	608	606	606	606	606	605	602	603
20	601	602	603	605	606	608	608	604	602	599	597	597	595	594	594	598	604	608	611	611	605	603	599	598	602
21	590	587	594	583	591	594	595	592	597	597	600	598	602	608	616	624	631	629	638	629	620	613	606	572	604
22	556	577	595	604	610	613	615	623	614	610	601	601	601	601	636	628	627	654	651	631	621	618	611	607	613
23	606	609	610	611	612	613	617	617	611	609	617	612	601	606	618	638	630	614	610	609	608	611	610	603	613
24	595	598	602	605	609	610	611	609	608	607	604	603	603	602	603	606	608	612	614	614	613	610	604	601	606
25	594	595	597	601	604	604	607	613	610	607	607	604	603	603	607	610	611	609	606	605	608	605	608	597	605
26	600	596	602	603	603	605	606	606	606	607	604	601	604	608	614	612	612	610	610	605	605	605	597	595	605
27 D	594	595	597	596	597	591	584	585	594	591	586	598	605	610	626	651	695	693	638	658	637	601	445	476	602
28 D	508	457	259	426	535	555	555	537	575	627	632	611	613	616	648	679	702	721	677	640	620	614	590	501	579
29 D	520	563	571	571	577	575	592	605	611	623	627	623	639	672	667	680	700	667	664	596	603	584	484	543	607
30	546	533	477	507	561	583	593	599	610	610	611	614	632	630	635	653	680	670	643	632	569	573	586	560	596
31	532	551	586	596	591	591	601	612	614	611	609	610	610	614	621	621	626	635	631	619	607	588	580	594	602
Mean	579	581	576	587	594	598	601	603	605	606	605	603	604	607	613	621	630	631	627	619	612	604	589	582	603

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

36. Lerwick.

August, 1932.

Day.	Terrestrial Magnetic Elements.																							HRH+VRV § / 10,000 γ²	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			(0-2)	200 +
	h.	m.	γ	γ	h.	m.	γ	h.	m.	′	′	h.	m.	′	h.	m.	γ	γ	h.	m.	γ				°A
1	17	35	571	463	11	24	108	17	37	54·8	32·0	21	56	22·8	17	54	725	524	23	20	201		1094	1	86·1
2 D	15	17	579	454	1	56	125	2	0	61·2	25·5	21	20	35·7	16	10	704	487	2	30	217		1192	1	86·0
3 D	16	46	567	389	24	0	178	12	46	60·2	23·9	21	3	36·3	17	11	652	468	24	0	184		1115	1	85·4
4	16	21	540	338	0	14	202	13	25	51·7	41·7	2	53	10·0	17	12	640	437	0	10	203		1239	1	85·1
5	20	25	531	389	9	50	142	12	56	51·9	38·2	22	11	13·7	9	56	635	568	24	0	67		518	1	85·1
6	20	16	522	457	11	14	65	14	15	51·0	38·6	8	0	12·4	17	50	638	557	1	3	81		471	1	85·1
7	18	33	521	468	10	22	53	13	44	53·3	38·4	8	9	14·9	8	20	619	586	22	50	33		231	0	85·1
8	17	53	530	477	10	35	53	14	8	53·7	41·7	5	11	12·0	19	20	640	579	2	45	61		361	0	85·3
9	19	43	520	469	12	20	51	12	47	51·3	39·6	7	15	11·7	21	30	620	590	5	40	30		214	1	85·4
10 Q	18	58	521	474	10	8	47	13	38	50·4	38·6	6	54	11·8	8	7	617	600	12	30	17		147	0	85·5
11	19	4	527	475	10	30	52	13	36	51·2	35·7	24	0	15·5	22	20	610	557	24	0	53		322	1	85·4
12	15	24	551	458	1	30	93	13	48	57·5	27·0	1	37	30·5	15	53	629	496	4	10	133		755	1	85·7
13	18	25	530	442	7	53	88	14	30	51·5	33·8	6	37	17·7	18	33	637	557	22	40	80		501	1	86·1
14	17	47	517	452	9	54	65	14	4	51·5	37·5	8	4	14·0	15	12	614	582	0	0	32		234	1	86·5
15	17	40	519	469	11	0	50	13	55	53·1	38·2	5	15	14·9	16	12	629	592	11	39	37		245	0	86·1
16 Q	19	14	515	471	10	42	44	12	0	51·5	38·6	1	0	12·9	18	0	614	594	0	15	20		157	0	85·7
17 Q	18	10	525	468	9	56	57	12	41	51·0	38·4	8	11	12·6	18	40	615	588	12	45	27		209	0	85·7
18 Q	20	32	521	469	9	21	52	12	52	50·6	39·6	7	19	11·0	17	2	612	590	11	10	22		178	0	85·7
19 Q	18	21	518	464	10	37	54	13	33	51·5	39·4	5	30	12·1	15	47	615	590	12	30	25		195	0	85·4
20	19	6	525	466	10	33	59	13	37	51·2	39·2	7	52	12·0	18	57	612	592	13	30	20		179	0	85·1
21	18	51	534	465	10	18	69	14	20	55·2	34·4	23	21	20·8	18	20	645	544	24	0	101		571	1	84·7
22	18	55	545	461	11	51	84	13	33	54·6	27·8	18	40	26·8	18	35	675	544	0	0	131		732	1	83·9
23	15	27	523	455	10	45	68	13	2	50·0	38·7	7	44	11·3	15	53	649	595	24	0	54		351	1	83·4
24	0	0	518	468	11	22	50	13	28	49·8	39·7	0	10	10·1	19	8	616	595	0	0	21		171	0	83·3
25	21	26	539	473	11	15	66	13	32	51·0	38·9	21	26	12·1	7	50	614	592	0	57	22		199	1	83·4
26	22	27	522	475	10	21	47	12	55	49·9	39·2	7	15	10·7	14	37	617	590	22	32	27		194	0	83·5
27 D	17	54	654	389	22	31	265	9	42	56·4	15·8	22	49	40·6	17	40	720	368	22	38	352		2024	2	83·7
28 D	15	54	622	-234	1	52	856	6	59	59·5	24·1	2	4	35·4	17	52	817	199	2	29	618		4121	2	83·9
29 D	16	29	613	421	11	4	192	22	8	65·3	12·2	19	8	53·1	16	23	736	456	22	11	280		1583	2	84·1
30	16	16	591	387	2	29	204	1	34	53·9	28·3	15	51	25·6	16	47	702	464	2	30	238		1405	1	84·3
31	16	27	515	449	9	40	66	0	0	51·4	38·1	8	10	13·3	17	13	637	526	0	20	111		613	1	84·7
Mean	--	--	543	426	--	--	116	--	--	53·5	34·3	--	--	19·2	--	--	649	536	--	--	113		694	0·74	85·0
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31		31	31	31

§ For explanation see page 38. 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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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
1	490	489	476	486	488	477	470	476	471	463	467	467	478	482	479	480	508	494	494	494	494	493	492	496	483
2	488	479	480	473	475	485	484	475	471	465	464	472	483	481	496	487	497	499	495	497	499	500	494	492	485
3 Q	484	487	487	485	487	486	482	477	471	466	468	473	480	481	496	500	502	491	495	505	505	503	499	502	488
4	495	494	489	491	494	489	488	481	473	467	466	472	480	487	490	498	500	497	509	508	498	496	492	496	490
5	497	498	493	498	496	494	491	486	477	471	462	476	476	487	510	516	504	507	507	508	510	512	513	509	496
6 D	505	501	500	508	509	512	493	496	493	489	484	479	481	517	586	600	582	487	498	496	475	470	481	487	506
7	487	486	486	487	486	482	481	481	474	458	453	454	468	474	476	484	494	498	495	495	502	504	503	488	483
8 D	494	500	466	383	428	492	497	493	485	477	468	471	480	491	499	504	521	518	496	510	500	496	495	494	486
9	518	484	427	442	481	466	484	486	478	473	473	478	481	486	491	497	501	500	502	503	508	498	491	493	485
10 Q	491	487	487	487	490	491	487	479	468	458	458	464	474	481	491	494	494	494	500	504	503	499	499	499	487
11 Q	497	485	493	492	490	488	492	489	483	481	482	487	489	492	492	492	489	496	502	505	502	494	496	496	492
12	494	496	495	491	490	490	488	485	483	479	479	479	485	490	490	493	493	499	502	505	505	502	503	496	492
13	499	498	498	497	492	495	492	483	474	476	479	482	492	496	508	497	505	512	511	511	511	509	510	512	497
14	509	506	506	505	507	500	496	495	489	476	476	480	492	498	498	500	503	504	508	510	512	505	504	506	499
15	502	502	501	501	501	500	497	487	477	473	468	468	474	490	499	498	503	507	509	510	510	510	506	491	495
16 Q	501	499	501	501	500	496	488	478	470	463	462	466	471	480	490	495	499	501	504	505	508	507	506	504	491
17 Q	504	503	501	499	496	492	488	482	477	473	475	477	484	491	498	501	505	505	508	507	511	510	507	512	496
18	511	502	503	501	504	504	501	487	481	477	474	469	464	482	482	499	482	485	501	510	512	511	517	473	494
19	480	477	489	490	498	505	499	485	477	465	474	485	470	481	505	505	499	495	501	496	494	507	501	493	490
20	494	473	458	495	502	494	484	473	460	472	473	475	481	486	491	481	490	500	501	499	496	498	504	495	486
21	498	489	490	499	490	488	495	482	482	476	474	478	480	486	492	498	497	495	503	498	493	495	506	500	491
22	499	499	500	504	507	525	500	496	490	475	446	449	474	491	492	500	496	509	501	499	490	476	488	484	491
23 D	496	483	485	494	500	506	497	494	468	429	448	451	462	492	479	527	535	588	515	503	468	475	471	463	489
24 D	452	451	473	483	504	481	463	488	486	476	453	454	481	478	517	571	522	498	503	495	512	506	460	434	485
25 D	492	416	437	477	486	471	469	463	471	467	465	473	480	503	545	567	502	521	493	487	457	441	453	461	479
26	455	442	488	491	490	463	470	471	473	464	458	466	481	485	493	491	497	497	502	500	501	510	495	485	482
27	427	432	477	483	494	494	490	479	476	470	459	467	476	493	487	481	490	499	497	499	491	495	502	497	481
28	503	494	494	487	494	497	495	488	486	480	484	486	487	495	486	488	492	488	499	499	499	498	498	499	492
29	487	502	486	493	496	495	492	488	480	478	462	469	482	484	484	480	490	489	489	491	495	484	488	473	486
30	459	480	478	487	488	498	495	478	467	472	471	474	470	471	484	479	469	485	493	497	495	497	489	492	482
Mean	490	484	485	487	492	492	488	483	477	470	467	471	479	488	497	503	502	502	501	502	499	497	495	491	489

MAGNETIC DECLINATION (WEST).

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

38. Lerwick. (D.) 13° + September, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	44·1	43·9	46·2	43·5	42·0	42·5	44·3	43·1	42·0	43·7	46·2	49·1	50·1	50·4	48·7	47·2	46·8	42·0	46·0	46·2	45·8	44·8	44·1	41·6	45·2
2	39·4	35·8	39·6	40·0	43·3	41·0	42·9	43·3	43·5	44·5	47·4	49·1	51·4	51·4	50·8	49·5	46·8	46·2	46·0	45·4	45·2	39·1	41·2	42·0	44·4
3 Q	43·5	43·9	43·3	43·5	42·1	41·8	41·2	41·4	42·0	43·7	46·0	47·9	49·4	49·4	48·6	47·3	45·1	44·9	45·7	45·7	45·5	41·7	45·3	43·6	44·7
4	42·0	42·8	43·4	43·6	41·7	41·7	41·7	41·7	42·8	44·9	47·3	49·0	49·9	50·6	48·1	45·4	44·1	43·5	43·5	45·0	43·7	40·0	41·8	42·7	44·2
5	43·1	42·7	42·7	42·5	41·9	41·8	41·0	40·3	41·5	43·2	45·9	48·8	49·6	50·5	49·8	46·5	42·8	46·5	46·9	47·0	45·8	45·0	43·3	39·0	44·5
6 D	39·8	41·7	41·7	41·7	41·2	37·0	37·8	45·3	45·7	47·1	48·6	50·7	51·3	50·5	50·4	51·8	47·3	51·0	47·0	42·1	41·9	31·1	41·4	44·5	44·5
7	44·5	43·6	43·4	43·2	43·2	43·2	43·4	42·7	43·3	43·9	44·6	46·9	48·1	48·9	48·1	46·8	45·3	44·9	44·1	44·3	44·7	37·2	40·5	42·3	44·2
8 D	43·1	43·7	43·7	46·0	30·1	38·4	39·0	41·1	40·7	43·0	44·9	46·6	48·4	49·3	48·2	47·0	48·0	47·1	40·8	46·2	38·1	43·5	43·5	42·7	43·5
9	39·8	36·9	40·4	42·6	39·9	42·4	42·4	42·4	42·0	43·2	45·5	48·0	49·0	49·0	47·9	47·7	45·8	43·4	44·4	43·6	37·3	38·4	40·6	43·3	43·2
10 Q	42·7	42·9	42·2	42·4	42·2	41·8	41·2	40·5	40·6	42·6	44·9	46·8	48·0	47·8	46·4	45·1	43·9	43·5	43·5	44·3	44·5	44·0	42·1	44·4	43·7
11 Q	41·7	39·6	39·4	39·8	40·0	41·7	41·7	42·1	42·9	44·6	46·3	47·3	47·5	47·1	45·8	45·6	44·6	45·2	45·2	44·6	44·2	42·2	43·3	43·0	43·6
12	42·2	43·1	41·8	41·6	41·2	40·4	40·4	41·2	41·2	42·8	44·5	45·9	46·0	46·8	45·9	45·9	45·5	44·5	44·3	44·5	43·9	42·4	35·8	42·2	43·1
13	42·5	41·9	42·1	41·7	43·4	41·3	40·9	40·5	41·3	43·4	46·9	49·4	50·6	47·9	46·7	45·8	45·2	45·9	45·6	44·6	44·4	43·0	42·5	42·7	44·2
14	42·3	42·7	42·5	42·1	40·3	39·8	41·1	41·3	42·3	44·2	45·6	48·5	50·2	50·0	47·9	46·3	45·6	44·8	44·6	44·0	40·5	39·4	41·1	42·3	43·7
15	42·3	42·1	41·7	41·7	41·1	39·8	39·4	39·6	40·0	42·5	45·9	48·8	51·0	50·2	47·7	46·9	44·6	44·4	44·4	44·0	44·0	43·2	38·8	42·7	43·6
16 Q	41·7	41·7	41·5	41·5	41·1	40·5	39·8	39·6	40·0	43·0	46·9	50·2	50·8	49·4	47·3	44·6	43·0	43·6	44·4	44·4	44·4	44·0	43·4	42·9	43·7
17 Q	42·5	42·3	42·1	41·9	41·7	41·3	40·7	40·7	41·7	44·8	46·9	47·5	47·9	46·5	44·6	43·4	43·6	44·6	45·4	44·4	45·0	44·2	42·7	44·6	43·8
18	40·0	39·2	40·5	40·3	41·3	41·3	40·0	40·0	41·3	43·8	46·9	48·5	51·3	51·3	49·6	48·8	47·1	44·6	44·0	43·8	42·7	41·1	28·6	27·2	42·6
19	35·1	42·9	40·2	39·2	39·6	39·4	41·9	45·9	47·1	47·3	47·7	50·0	49·4	48·1	50·6	51·2	42·5	46·3	43·4	42·5	42·9	44·8	37·5	38·4	43·9
20	40·3	46·1	49·0	40·7	42·9	43·0	46·9	45·2	44·8	43·8	45·0	46·5	47·5	48·8	49·0	46·5	45·4	45·2	45·0	43·8	41·5	39·0	41·3	38·2	44·4
21	43·4	41·3	39·2	37·3	38·8	42·9	44·4	41·9	41·5	43·0	43·4	45·2	47·1	47·3	46·9	46·1	44·6	42·7	41·3	39·0	39·6	40·3	42·3	42·7	42·6
22	41·3	41·5	40·2	37·3	43·6	39·4	38·8	39·2	41·3	45·0	49·8	55·4	51·3	50·2	48·1	47·3	41·1	35·7	42·5	41·1	39·0	29·5	37·3	41·5	42·4
23 D	40·3	39·8	42·5	42·7	38·6	40·9	42·7	42·7	44·0	49·6	51·9	51·2	53·5	52·3	50·4	52·3	41·5	47·3	38·0	30·9	33·4	30·1	36·5	33·8	42·8
24 D	26·6	38·4	44·2	40·9	41·1	40·7	45·2	42·5	41·1	43·8	45·2	50·4	52·7	54·6	52·1	40·0	43·8	47·9	42·9	31·1	40·2	40·2	39·2	44·6	42·9
25 D	39·4	40·9	49·8	34·9	39·2	42·7	45·0	48·8	46·9	44·8	45·4	47·1	50·4	50·6	50·2	48·6	44·2	39·2	36·9	41·3	32·6	39·6	35·3	36·9	42·9
26	42·3	51·5	42·7	40·5	41·5	45·0	45·4	42·9	40·9	42·9	46·1	46·7	47·3	47·5	46·7	45·4	44·2	43·8	43·6	40·3	31·7	33·0	40·0	39·8	43·0
27	43·0	45·0	34·4	38·6	40·5	40·0	41·3	39·8	41·1	44·4	46·5	49·0	46·9	45·9	47·3	42·9	39·8	38·8	40·7	29·7	38·0	41·7	42·7	43·0	41·7
28	42·5	41·3	39·0	41·9	41·9	40·2	40·9	42·1	43·4	45·2	47·1	48·8	49·6	47·9	48·5	45·8	45·4	45·0	43·4	42·7	43·6	41·9	42·3	42·7	43·9
29	41·3	39·4	38·4	39·4	40·0	40·3	40·5	40·2	40·2	41·7	45·2	47·7	45·9	45·6	45·4	44·4	44·0	43·0	43·4	39·6	39·0	37·3	38·6	34·2	41·4
30	38·6	39·2	36·5	38·6	38·6	39·4	40·5	42·7	43·0	44·8	45·8	47·3	47·9	47·3	46·3	45·8	44·8	42·9	42·1	42·1	41·9	37·1	37·3	40·3	42·1
Mean	41·0	41·9	41·8	41·0	40·8	41·1	41·7	42·0	42·3	44·2	46·3	48·5	49·3	49·1	48·1	46·6	44·5	44·3	43·6	42·3	41·5	40·0	40·3	41·0	43·5

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

46,000 γ (·46 C.G.S. unit) +

39. Lerwick. (V.) — September, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	600	601	602	591	600	603	597	594	595	597	599	598	600	613	632	625	624	636	619	607	603	603	602	591	605
2	552	558	584	590	590	599	600	600	600	599	596	598	603	616	625	630	622	614	613	610	608	607	591	583	600
3 Q	590	598	604	607	606	606	609	605	597	593	591	594	599	606	609	613	623	624	616	607	608	606	599	589	604
4	595	597	603	603	602	605	608	610	608	602	598	603	607	610	614	613	614	614	613	613	617	600	572	564	604
5	591	599	602	603	605	606	607	610	610	608	603	597	595	597	603	624	651	622	610	602	600	599	594	592	605
6 D	587	590	590	592	584	577	587	585	589	591	596	596	603	652	786	736	732	701	658	656	576	556	564	582	619
7	592	597	600	601	602	604	605	606	606	607	612	609	602	606	609	605	606	606	616	618	611	594	563	576	602
8 D	584	583	585	477	421	514	537	554	570	585	592	596	597	596	593	593	596	622	653	620	618	607	607	590	579
9	549	569	543	523	552	571	575	586	595	598	603	601	597	596	601	603	611	620	608	608	606	601	599	593	588
10 Q	590	596	598	597	599	599	601	602	602	602	599	599	598	597	596	598	600	600	598	598	597	594	590	587	597
11 Q	588	591	588	594	594	595	593	594	594	594	591	591	591	593	597	596	596	594	593	594	598	604	601	601	594
12	601	601	599	599	598	596	596	594	593	592	587	592	593	598	601	602	601	598	598	595	598	602	599	600	597
13	602	604	604	602	599	596	598	598	595	593	593	593	593	596	596	600	600	601	602	604	602	602	601	599	599
14	600	602	603	602	601	602	600	592	588	592	589	589	590	594	598	600	597	598	597	598	595	594	593	593	596
15	596	596	597	598	597	598	598	596	597	596	596	591	582	586	594	603	604	601	596	593	590	590	585	590	595
16 Q	588	592	596	597	597	598	600	599	593	589	586	584	586	587	590	596	596	592	589	589	589	588	589	590	592
17 Q	591	592	594	595	597	598	598	596	588	580	579	579	581	584	586	588	586	586	586	589	586	586	587	572	588
18	558	574	579	584	584	584	586	587	583	583	584	584	582	585	588	591	623	619	603	594	593	592	548	502	583
19	533	481	509	549	573	580	582	582	581	587	594	592	594	587	594	626	666	630	625	622	615	564	530	573	582
20	587	576	500	502	521	534	546	565	586	585	593	594	594	599	609	631	628	614	611	608	608	600	590	576	582
21	557	549	564	557	568	577	577	591	597	597	597	594	590	588	594	599	601	603	604	606	605	595	580	556	585
22	563	576	577	573	557	542	568	576	581	582	591	584	585	592	593	595	621	620	611	603	588	566	544	545	581
23 D	562	566	556	554	568	569	574	578	586	600	596	606	607	606	612	623	706	724	692	647	531	497	513	481	590
24 D	500	528	537	549	568	551	557	569	584	589	598	601	598	614	619	739	687	624	630	633	555	583	515	433	582
25 D	492	474	427	472	527	534	546	562	581	594	596	610	615	664	706	717	670	687	664	610	563	474	481	527	575
26	540	515	518	562	571	562	562	579	587	590	590	594	590	589	590	589	590	590	589	594	590	565	556	537	572
27	484	454	512	560	572	582	585	592	591	590	594	593	603	615	624	642	630	611	604	597	591	590	587	579	583
28	574	574	580	581	574	573	580	581	580	582	581	586	586	593	605	607	612	605	597	597	596	592	589	588	588
29	581	536	555	574	581	582	582	581	578	576	574	572	575	579	585	586	585	588	590	592	597	569	563	548	575
30	523	523	545	548	560	561	565	571	573	569	569	572	583	569	597	608	608	592	585	582	582	571	538	560	570
Mean	568	566	568	571	576	580	584	588	590	591	592	593	594	601	612	619	623	618	612	606	593	583	572	567	590

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

40. Lerwick. — September, 1932.

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000γ + h.	m.	γ	Minimum 14,000γ + γ	h.	m.	Range γ	Declination. Maximum 13° + h.	m.	′	Minimum 13° + ′	h.	m.	Range ′	Vertical Force. Maximum 46,000γ + h.	m.	γ	Minimum 46,000γ + γ	h.	m.	Range γ	$\frac{HR_H+VR_V}{10,000\,\gamma^2}$ §	Magnetic Character of Day. (0-2)	Temperature in Magnet House. 200 + °A
1	16	23	519	458	9	25	61	13	1	51·2	36·4	23	52	14·8	17	23	642	573	24	0	69	410	1	84·9
2	16	50	511	461	10	43	50	13	28	52·2	33·1	1	13	19·1	15	5	634	533	0	52	101	543	1	84·9
3 Q	15	48	512	465	9	18	47	13	1	50·7	38·4	21	42	12·3	17	13	628	584	0	0	44	273	1	84·8
4	19	45	519	466	10	42	53	13	19	50·8	34·8	21	34	16·0	20	47	621	550	23	10	71	408	1	84·2
5	15	16	530	459	10	16	71	13	24	51·1	37·7	23	15	13·4	16	12	667	584	0	0	83	490	1	83·5
6 D	15	49	658	459	11	57	199	15	46	58·7	27·8	21	31	30·9	14	25	844	553	21	35	291	1645	2	83·2
7	22	3	539	443	9	56	96	13	41	49·1	27·3	21	52	21·8	18	55	623	559	22	30	64	437	1	83·2
8 D	17	56	530	351	3	45	179	2	55	50·6	24·7	4	50	25·9	18	36	660	374	4	7	286	1593	1	83·1
9	0	25	529	348	2	47	181	13	14	49·9	33·0	20	22	16·9	17	2	626	494	2	46	132	877	1	82·8
10 Q	20	30	506	455	9	58	51	21	15	48·6	39·9	7	52	8·7	8	51	603	584	23	56	19	163	0	82·9
11 Q	20	0	506	479	9	52	27	13	19	48·1	38·0	1	20	10·1	21	37	609	584	0	0	25	156	0	83·0
12	22	14	520	477	11	19	43	13	31	47·6	31·6	22	15	16·0	21	56	605	586	10	30	19	151	1	83·0
13	16	46	523	469	8	32	54	12	28	51·2	39·8	6	49	11·4	4	7	605	592	9	10	13	139	0	82·8
14	17	35	518	472	9	35	46	12	57	51·0	38·4	21	3	12·6	5	20	604	587	8	12	17	146	0	82·5
15	22	15	519	458	10	49	61	12	17	51·9	38·0	22	25	13·9	15	58	606	578	22	35	28	218	1	83·0
16 Q	20	24	510	459	10	23	51	12	10	51·3	38·8	7	44	12·5	6	48	602	582	11	17	20	167	0	83·7
17 Q	23	15	517	472	9	54	45	11	58	48·6	39·8	7	8	8·8	5	54	600	561	23	49	39	247	1	83·7
18	22	44	529	454	23	25	75	12	31	52·9	23·0	22	42	29·9	16	36	631	486	23	12	145	785	1	83·3
19	15	32	525	455	10	15	70	1	15	57·5	31·7	0	0	25·8	16	19	680	446	1	32	234	1191	1	82·9
20	22	36	521	436	2	9	85	1	58	55·2	34·7	21	15	20·5	15	46	637	482	2	44	155	845	1	82·1
21	22	45	525	470	10	0	55	0	50	48·8	35·7	19	43	13·1	19	43	611	537	1	10	74	425	1	81·1
22	5	14	532	437	10	39	95	11	15	56·8	23·2	21	24	33·6	16	54	637	534	5	10	103	618	1	80·5
23 D	17	51	671	417	9	32	254	15	50	55·2	15·1	19	50	40·1	17	33	757	446	20	45	311	1817	2	80·8
24 D	15	38	619	380	23	33	239	13	7	55·8	20·5	19	20	35·3	15	45	792	411	23	15	381	2122	2	80·6
25 D	15	31	616	359	21	20	257	15	25	61·2	23·0	20	59	38·2	15	37	759	405	2	0	354	2023	2	80·0
26	21	6	531	410	1	4	121	1	35	57·1	27·0	20	53	30·1	20	14	616	503	2	6	113	702	1	80·5
27	23	0	521	358	1	3	163	0	58	56·2	27·2	19	16	29·0	16	0	658	419	0	55	239	1350	1	80·4
28	0	14	510	477	14	46	33	12	4	50·0	38·0	2	25	12·0	16	36	614	571	2	0	43	248	0	80·1
29	1	19	530	452	10	20	78	11	25	48·8	30·7	23	42	18·1	19	45	596	519	1	35	77	472	1	81·0
30	21	53	520	447	0	15	73	13	9	48·3	31·7	22	23	16·6	16	18	613	512	0	32	101	577	1	81·8
Mean	--	--	537	440	--	--	97	--	--	52·2	32·0	--	--	20·2	--	--	646	524	--	--	122	708	0·93	82·5
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 38. 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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	486	486	488	492	493	492	488	488	481	475	469	469	475	476	482	481	489	490	494	496	497	499	505	494	487
2	496	497	497	493	494	496	492	483	481	468	457	459	463	463	484	478	486	496	490	491	492	494	495	500	485
3	495	490	480	498	495	498	492	482	479	481	472	473	477	464	478	489	492	498	502	502	500	501	498	507	489
4	497	492	494	497	494	497	498	499	496	486	483	484	483	486	500	505	501	500	504	510	510	506	506	496	497
5	495	499	495	495	498	499	500	499	494	485	474	467	473	481	491	496	502	500	499	499	501	505	503	502	494
6 Q	502	499	496	492	496	499	500	497	493	487	480	476	483	489	496	496	497	499	501	502	500	504	499	496	495
7	504	495	492	495	497	497	499	497	489	483	476	476	481	486	494	498	498	495	497	499	501	498	498	502	494
8	499	495	495	494	495	498	498	494	487	479	474	473	477	481	485	490	498	496	497	494	479	486	489	492	489
9	498	496	492	495	498	495	493	488	478	472	466	464	467	478	503	494	485	497	501	497	498	493	491	493	489
10	487	490	487	479	483	491	489	485	483	476	466	459	466	475	488	474	471	488	488	491	507	489	490	491	483
11	489	490	489	489	492	496	496	496	488	479	469	467	473	480	484	491	493	494	497	495	497	497	499	491	489
12	494	488	468	486	490	491	492	493	486	481	477	476	476	481	482	487	492	492	491	494	489	491	491	489	487
13 Q	492	491	492	491	492	494	495	495	489	478	468	469	469	474	473	483	493	494	496	496	496	498	500	498	488
14 Q	494	494	492	492	493	494	493	492	484	478	468	467	474	480	485	489	492	495	502	503	502	498	503	500	490
15 D	495	484	482	478	504	510	512	505	473	439	428	443	459	486	512	547	568	632	486	483	482	466	492	476	493
16 D	454	446	452	455	481	461	447	471	464	468	452	454	464	468	477	490	479	484	486	488	490	488	492	490	472
17	496	485	487	485	488	494	493	494	475	464	473	476	478	478	473	480	478	482	474	474	479	491	479	472	481
18	481	468	487	467	490	489	489	489	483	477	470	467	471	481	487	486	491	491	491	491	495	495	498	503	486
19	494	490	492	494	495	478	491	500	491	485	476	468	464	476	490	493	490	489	494	496	496	495	497	492	489
20 D	491	492	496	497	497	498	503	503	490	482	470	466	480	468	472	511	531	605	497	494	394	310	324	413	474
21 D	384	316	351	399	431	454	449	462	468	443	462	463	475	484	487	482	483	484	491	488	489	491	491	490	455
22	489	487	487	490	493	493	495	495	489	483	477	472	477	476	484	488	488	492	493	495	487	478	481	487	487
23 D	480	463	481	476	492	503	502	503	494	460	458	464	472	474	491	480	489	499	490	507	486	477	471	485	483
24	489	485	484	484	490	497	501	502	499	474	465	468	477	472	486	490	486	485	495	485	486	479	477	483	485
25	487	487	486	483	489	487	494	493	479	467	459	457	467	474	488	491	498	494	492	487	485	488	492	493	484
26 Q	492	492	491	490	487	490	494	493	487	480	476	474	471	474	485	493	490	491	494	492	493	493	491	493	488
27	492	494	493	490	499	503	505	498	490	487	474	465	465	497	487	470	485	492	494	489	480	477	482	482	487
28 Q	486	492	491	487	479	492	493	491	483	476	471	477	484	486	491	494	495	496	496	497	496	496	495	495	489
29	496	496	496	498	499	502	501	501	496	487	481	480	484	488	493	498	503	507	506	503	503	505	496	493	496
30	492	490	486	493	501	498	485	487	487	484	471	456	473	487	493	483	488	496	498	493	500	495	495	490	488
31	486	481	486	492	494	497	499	488	491	484	476	476	482	484	487	487	492	496	496	494	494	495	497	499	490
Mean	487	482	484	486	491	494	493	492	485	476	469	468	474	479	487	491	494	502	495	494	491	486	488	490	487

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MAGNETIC DECLINATION (WEST).

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

42. Lerwick. (D.) 13° + October, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	42·1	47·5	40·3	40·3	40·0	40·3	41·5	41·1	41·5	43·0	44·6	46·9	49·0	47·7	46·3	45·4	44·4	43·0	43·6	43·6	43·0	42·7	41·7	41·5	43·4
2	42·3	41·7	41·5	41·7	41·3	40·9	41·5	42·5	43·6	44·6	46·5	49·0	51·0	49·4	46·9	48·1	45·8	44·6	41·5	38·2	40·7	41·5	41·3	42·5	43·7
3	41·9	36·9	42·9	38·6	38·4	39·6	41·3	41·5	41·9	43·2	44·0	44·6	47·9	46·9	46·7	46·7	46·1	43·8	43·6	43·2	43·0	42·7	41·9	40·5	42·8
4	41·9	41·1	39·4	38·4	40·2	40·9	40·7	40·9	41·5	42·3	44·0	45·6	46·3	46·1	47·3	47·1	47·9	45·9	46·7	45·6	43·8	42·5	37·8	36·7	42·9
5	40·3	44·8	40·3	42·1	40·9	41·9	41·5	40·9	40·9	41·9	43·0	45·2	47·9	47·5	47·1	44·6	44·6	43·2	38·8	42·5	42·3	41·1	39·2	42·5	42·7
6 Q	41·3	39·0	39·2	41·1	41·5	41·5	41·7	41·3	40·5	40·7	42·5	45·0	46·7	46·7	45·9	44·8	43·8	43·6	44·0	39·6	41·1	37·5	39·6	41·3	42·1
7	44·4	38·0	40·2	40·2	40·7	40·9	40·7	40·2	40·0	40·0	41·3	43·4	45·6	45·9	45·8	45·4	44·6	44·6	44·0	43·2	42·9	42·1	41·9	42·7	42·4
8	40·5	40·2	40·2	39·4	39·4	40·3	40·3	40·0	40·0	40·7	42·5	44·4	45·9	46·7	46·3	45·8	45·0	45·2	46·3	39·4	38·2	38·6	40·0	40·5	41·9
9	40·7	39·0	40·9	40·2	40·0	40·2	40·2	40·0	40·0	40·5	42·5	44·8	46·5	47·5	50·2	51·7	46·1	45·2	44·4	44·4	43·0	39·0	36·1	38·4	42·6
10	38·2	39·4	38·6	36·7	42·5	41·5	41·5	40·2	39·2	40·5	42·5	45·4	48·6	47·3	47·3	40·9	38·4	42·3	43·4	41·3	36·3	39·8	40·5	41·9	41·4
11	43·2	43·4	41·3	40·3	40·2	40·7	40·7	40·2	39·2	39·8	42·1	43·6	45·4	45·8	45·4	44·0	42·5	42·9	42·1	40·3	36·9	39·2	40·9	40·7	41·7
12	41·9	38·6	38·0	40·0	40·7	40·5	40·3	39·8	38·6	38·6	40·5	43·6	45·4	46·9	46·1	45·4	44·0	44·2	43·6	43·4	40·2	38·8	39·8	43·2	41·8
13 Q	42·5	42·7	41·5	41·3	41·3	41·1	40·7	40·2	39·2	39·6	41·1	43·4	45·4	47·9	47·1	45·2	43·8	43·2	43·4	42·3	41·9	40·3	40·7	40·9	42·4
14 Q	41·3	41·3	41·5	41·7	41·5	40·9	40·7	40·3	39·8	40·0	41·3	43·4	45·8	46·3	45·6	44·2	43·0	42·7	43·0	42·9	42·9	42·9	40·3	37·5	42·1
15 D	39·2	39·0	38·6	37·5	41·9	40·3	39·6	40·2	40·3	45·0	47·3	47·1	51·7	58·3	52·9	46·9	53·5	46·1	40·7	39·8	36·5	34·7	25·5	31·7	42·3
16 D	29·0	38·4	42·7	43·6	43·0	44·8	48·5	50·8	40·9	41·3	44·6	44·4	45·9	46·3	46·9	41·9	39·6	37·8	43·2	42·1	41·7	40·9	40·5	41·5	42·5
17	43·8	41·1	36·9	39·6	40·3	40·0	40·7	40·7	41·7	42·3	42·3	44·4	46·7	48·5	44·0	44·8	39·6	32·2	39·0	37·6	39·6	32·2	35·5	37·5	40·5
18	42·5	39·4	42·1	40·3	40·5	40·2	39·8	39·6	39·2	40·0	41·5	42·7	44·2	45·4	45·4	43·8	42·5	37·8	40·5	41·5	40·0	39·2	37·5	37·6	41·0
19	40·7	40·7	41·1	40·9	41·1	43·4	45·2	42·9	41·3	40·5	42·1	45·2	47·5	45·9	45·9	45·2	45·6	42·5	42·1	41·5	40·7	40·5	39·4	40·5	42·6
20 D	40·9	41·7	41·5	41·3	41·5	41·5	40·9	40·5	40·9	41·5	42·9	45·9	47·3	50·2	48·3	51·0	47·9	44·4	38·8	34·2	28·6	13·9	21·0	15·1	39·2
21 D	22·0	-1·0	15·3	23·7	40·3	52·7	52·7	48·8	45·0	42·9	45·2	45·8	46·7	44·0	45·4	43·6	43·0	43·6	41·7	39·0	40·2	39·6	41·3	41·1	39·3
22	40·9	41·1	41·3	41·3	41·7	41·5	40·5	39·8	38·6	38·8	40·7	42·7	45·2	45·8	45·9	46·7	45·4	43·2	41·7	34·7	37·3	35·3	40·0	39·6	41·2
23 D	39·8	41·1	44·6	44·8	42·1	41·3	40·3	39·8	41·1	45·4	46·9	48·3	48·6	47·9	49·8	44·0	42·9	36·5	43·2	32·6	33·2	35·5	38·8	37·5	41·9
24	39·6	40·9	42·1	42·7	42·3	41·5	40·7	41·5	40·5	42·5	44·4	43·8	48·5	44·4	44·8	42·9	42·3	39·2	37·6	36·5	35·3	33·8	31·7	37·6	40·7
25	39·4	41·5	42·1	41·9	41·1	40·5	42·1	42·5	42·7	40·5	43·8	45·6	47·7	49·4	48·3	41·7	42·7	41·9	41·3	39·4	37·3	38·8	39·4	40·5	42·2
26 Q	42·1	42·1	40·9	40·0	40·2	40·5	39·6	38·8	38·4	39·0	40·7	44·4	45·4	44·8	42·9	41·9	41·5	41·5	41·5	40·5	38·6	40·2	40·3	40·9	41·1
27	41·3	41·5	41·7	42·3	41·1	40·2	40·7	42·5	44·2	44·0	46·3	48·8	47·1	50·0	52·9	47·9	44·2	43·2	41·3	40·2	36·7	34·2	36·7	39·8	42·9
28 Q	43·2	43·0	41·5	41·3	42·5	41·3	40·2	39·2	38·8	40·5	40·9	43·0	44·8	44·8	43·6	42·1	41·7	41·5	41·3	41·1	40·9	40·9	40·9	41·1	41·7
29	41·5	41·7	41·9	41·9	41·5	41·1	40·7	40·7	39·8	39·8	41·5	43·8	45·2	45·6	44·4	42·9	42·3	42·3	42·3	41·7	42·1	41·9	38·4	27·6	41·4
30	34·2	36·7	36·9	39·6	37·1	38·0	43·0	46·5	43·8	41·1	44·8	43·3	46·7	45·6	46·7	44·2	43·2	41·9	41·9	39·4	38·2	38·6	37·8	38·9	41·4
31	40·7	42·7	42·1	41·3	40·0	40·3	41·5	41·1	40·7	41·5	42·9	44·6	45·4	46·1	47·1	45·6	42·9	41·7	41·3	40·9	40·7	40·3	40·2	40·2	42·2
Mean	40·1	39·5	40·0	40·2	40·9	41·3	41·6	41·5	40·8	41·3	43·1	45·1	46·3	47·1	46·7	45·0	43·9	42·3	42·2	40·4	39·5	38·4	38·3	38·7	41·9

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

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, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	572	559	571	581	583	584	584	580	579	579	581	582	584	594	603	604	604	602	599	598	594	589	573	584	586
2	588	590	592	593	593	592	591	592	586	589	590	595	597	612	617	606	603	603	611	615	608	598	595	588	598
3	606	601	574	567	583	586	589	594	593	590	590	592	595	608	608	605	607	605	602	600	598	595	595	579	594
4	580	573	566	571	581	585	588	581	585	587	583	583	586	589	588	594	602	610	613	607	602	600	588	589	589
5	588	578	575	585	588	589	590	592	593	593	593	589	585	583	585	593	595	598	600	596	593	590	574	556	588
6 Q	553	559	572	581	585	586	588	591	590	591	592	589	582	579	585	587	587	588	590	593	590	589	587	586	584
7	566	559	581	584	586	586	588	588	592	594	591	588	588	587	587	587	589	589	590	591	592	594	594	589	587
8	585	588	587	585	585	586	586	590	591	592	592	591	589	587	588	591	592	596	605	623	621	605	600	593	594
9	586	579	587	588	587	588	588	590	593	593	593	593	592	591	591	614	613	596	594	597	598	599	595	568	592
10	555	572	584	580	573	572	581	588	592	594	598	599	597	594	601	627	641	615	607	602	585	583	586	587	592
11	591	584	586	590	591	589	592	592	595	599	600	598	596	594	597	601	598	595	595	599	595	587	579	570	592
12	563	567	575	585	587	590	590	591	593	594	593	593	593	592	593	594	595	598	599	599	604	596	594	593	590
13 Q	586	592	593	594	594	593	592	591	593	594	594	593	593	595	603	602	598	597	594	595	595	594	586	585	594
14 Q	588	593	596	596	595	593	592	592	592	593	593	592	591	590	592	593	594	592	591	590	592	593	584	584	592
15 D	587	588	577	572	555	560	568	573	586	595	614	624	634	646	698	739	763	809	693	645	618	610	542	495	620
16 D	501	525	518	561	564	547	569	561	587	594	602	616	609	609	618	630	631	629	609	604	600	600	596	598	586
17	552	538	561	580	589	591	592	592	598	605	599	596	597	611	630	616	635	637	636	628	591	556	578	569	595
18	514	538	556	586	593	597	598	598	598	596	598	598	596	593	596	601	602	607	605	602	599	597	588	576	589
19	580	588	593	593	592	591	579	580	589	592	593	596	601	607	606	609	610	611	611	609	604	600	594	593	597
20 D	587	587	589	594	595	595	594	594	595	594	596	599	603	610	602	617	666	766	712	673	573	575	415	432	598
21 D	416	320	333	392	481	516	546	575	594	624	638	628	627	626	615	622	616	612	606	614	613	605	600	599	559
22	599	597	596	595	595	597	599	601	602	603	601	601	600	608	615	622	641	660	674	663	549	570	573	558	605
23 D	550	542	545	567	559	577	589	594	597	611	616	618	616	611	625	666	671	649	622	613	595	596	559	565	598
24	584	594	592	594	581	584	585	591	597	610	613	609	615	631	616	619	616	615	611	611	571	587	589	590	600
25	595	598	594	595	593	598	592	597	605	615	622	626	630	639	648	660	632	617	613	617	619	613	610	605	614
26 Q	603	600	605	604	604	599	597	602	606	610	613	613	615	615	613	611	611	608	607	607	608	607	607	605	607
27	604	602	602	599	594	593	592	594	594	592	600	609	613	615	636	645	620	614	610	614	624	622	608	606	608
28 Q	584	583	595	594	598	591	596	600	604	605	608	605	603	605	605	607	603	601	600	598	596	598	600	601	599
29	602	603	603	600	600	595	595	594	595	596	596	597	599	601	602	602	601	597	595	595	595	587	552	569	595
30	580	583	586	583	579	579	577	569	569	583	588	589	585	592	605	626	618	607	600	598	592	583	576	577	589
31	575	563	570	579	586	587	585	587	587	588	591	594	598	604	606	604	603	598	596	596	595	592	590	587	590
Mean	572	569	573	580	583	584	587	589	593	597	599	600	600	604	609	616	618	620	613	609	597	594	581	576	594

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

44. Lerwick. October, 1932.

Day.	Terrestrial Magnetic Elements.																					HR_H+VR_V §	Magnetic Character of Day.	Temperature in Magnet House.
	Horizontal Force.							Declination.							Vertical Force.							10,000 γ^2	(0-2)	200 +
	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	22	2	520	467	10	17	53	1	20	52·3	39·6	4	35	12·7	15	16	606	549	1	42	57	343	1	82·0
2	23	50	511	440	10	43	71	13	23	51·3	37·5	19	50	13·8	14	7	629	570	24	0	59	378	1	81·2
3	23	30	526	454	13	23	72	12	53	49·4	35·5	1	35	13·9	13	55	611	541	1	0	70	430	1	30·4
4	15	42	529	471	12	51	58	16	15	49·0	35·7	23	23	13·3	18	36	614	565	2	30	49	312	1	79·5
5	21	54	516	465	11	15	51	12	58	49·6	34·4	18	37	15·2	17	50	603	545	23	40	58	344	1	79·1
6 Q	21	20	512	472	11	43	40	12	50	47·7	35·9	19	50	11·8	19	39	595	548	0	0	47	277	1	79·3
7	0	36	515	471	11	20	44	0	40	49·8	35·9	1	20	13·9	9	46	595	538	1	2	57	330	1	80·0
8	19	23	515	471	11	26	44	18	29	47·7	35·9	20	7	11·8	19	22	632	584	5	26	48	288	1	81·0
9	14	55	516	455	11	12	61	15	25	54·8	26·6	22	55	28·2	15	56	639	542	24	0	97	540	1	81·7
10	20	45	525	438	16	40	87	12	22	50·8	32·0	20	43	18·8	16	44	648	542	0	8	106	620	1	82·0
11	22	12	518	463	10	56	55	13	10	46·1	31·5	20	30	14·6	20	5	604	565	23	26	39	262	1	82·0
12	0	36	501	474	11	40	27	13	48	47·5	36·1	2	23	11·4	20	30	608	550	0	50	58	309	1	81·8
13 Q	21	54	508	462	10	59	46	14	0	48·5	38·2	8	57	10·3	14	56	606	583	0	5	23	174	0	81·7
14 Q	22	22	509	466	11	17	43	13	22	47·3	36·1	23	30	11·2	3	25	598	576	22	43	22	165	0	81·3
15 D	17	20	803	407	10	36	396	17	0	67·4	17·2	22	25	50·2	17	30	843	471	23	50	372	2308	2	80·8
16 D	5	4	504	422	1	53	82	6	54	53·3	26·1	0	39	27·2	16	50	644	481	0	0	163	879	1	80·5
17	0	20	507	450	20	52	57	13	30	50·6	21·6	17	15	29·0	17	10	647	529	1	26	118	633	1	80·1
18	23	28	510	460	1	24	50	0	13	51·0	33·0	0	59	18·0	17	58	609	501	0	33	108	576	1	79·5
19	7	33	505	457	12	54	48	12	41	48·1	38·2	22	37	9·9	17	50	613	574	0	0	39	252	1	79·0
20 D	17	30	625	133	21	18	492	16	58	55·6	-0·8	21	18	56·4	17	47	786	364	22	37	422	2680	2	78·4
21 D	14	30	496	263	1	54	233	6	0	55·0	-14·1	1	39	69·1	9	54	648	267	1	54	381	2113	2	78·5
22	20	0	520	449	21	14	71	17	3	48·8	23·0	19	52	25·8	19	7	706	528	20	37	178	932	1	78·7
23 D	19	44	532	447	10	30	85	14	37	51·7	14·5	17	3	37·2	17	1	730	528	0	52	202	1064	1	78·6
24	18	39	515	432	13	5	83	12	29	49·8	29·0	22	13	20·8	13	9	641	557	20	35	84	511	1	78·6
25	15	51	501	454	11	36	47	13	47	50·4	35·9	22	20	14·5	15	44	668	591	6	56	77	427	1	78·4
26 Q	20	8	499	467	13	3	32	12	43	45·8	34·4	20	5	11·4	12	40	617	596	6	14	21	144	0	77·5
27	13	44	513	449	12	2	64	14	37	55·2	31·1	21	2	24·1	15	1	659	591	6	50	68	410	1	77·1
28 Q	19	42	500	468	10	17	32	13	10	45·2	38·0	8	40	7·2	10	37	609	575	0	50	34	204	0	77·0
29	21	51	514	478	11	36	36	13	3	45·8	24·1	23	24	21·7	2	48	604	545	22	28	59	327	1	76·6
30	20	54	516	447	11	24	69	11	24	50·2	29·5	0	0	20·7	15	35	629	564	7	20	65	403	1	76·4
31	23	42	510	471	11	58	39	14	33	47·7	38·4	0	15	9·3	14	6	610	557	1	45	53	304	0	77·2
Mean	--	--	527	439	--	--	86	--	--	50·4	29·4	--	--	21·1	--	--	640	536	--	--	104	611	0·94	79·5
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 38. 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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	496	504	495	485	474	460	454	445	473	479	481	484	499	491	488	486	493	472	497	502	497	496	491	487	485
2	476	484	482	480	482	490	491	498	492	488	477	461	461	483	486	491	494	498	490	491	495	496	496	494	487
3	492	491	491	493	495	493	499	498	484	461	478	482	487	491	491	490	494	496	498	492	492	491	494	492	490
4	494	488	488	493	493	500	494	495	496	484	476	476	480	486	495	497	499	491	480	491	496	478	470	486	489
5	485	475	480	492	493	490	492	489	487	478	472	472	478	485	489	493	486	497	493	496	495	490	480	493	487
6 Q	487	489	488	488	492	497	499	489	489	485	479	477	483	491	494	495	498	497	497	495	494	496	494	495	491
7	503	495	494	492	496	497	498	497	492	485	481	481	484	489	495	497	489	492	479	489	492	492	496	496	492
8	494	493	493	494	493	497	498	497	490	482	479	480	484	484	490	492	494	498	497	498	499	503	497	497	493
9 Q	499	495	494	494	498	498	499	498	495	489	484	485	490	493	495	499	504	502	499	499	499	496	499	499	496
10 Q	496	495	495	498	503	507	505	504	497	490	482	481	487	493	496	500	501	503	501	501	502	500	503	499	497
11	499	499	498	500	503	504	504	502	497	490	485	485	491	494	504	504	503	506	501	494	497	498	498	497	498
12	494	498	500	503	505	507	501	499	495	484	479	482	484	481	493	482	487	487	493	486	486	485	489	491	491
13	491	490	486	488	499	499	505	502	496	489	484	478	476	487	490	483	490	494	494	494	489	493	486	488	490
14 D	491	491	494	492	497	497	487	486	465	467	478	484	461	474	479	472	476	480	490	491	490	494	500	474	484
15 D	480	482	486	489	488	479	494	491	486	479	473	473	475	472	488	492	493	490	494	496	496	490	488	490	486
16 D	497	484	470	465	509	464	467	483	484	479	452	461	480	479	490	498	491	478	473	474	483	472	424	444	475
17 D	483	485	484	481	483	493	493	487	483	476	465	465	470	485	492	491	481	484	478	493	498	494	488	482	484
18	482	483	481	485	488	491	493	491	488	481	482	480	481	478	485	474	482	485	483	483	494	498	484	490	485
19	489	488	483	492	496	500	493	493	485	471	474	477	479	477	478	481	485	489	483	478	485	483	481	478	484
20	495	485	485	487	491	491	486	489	486	482	481	484	486	483	490	479	490	482	482	491	490	489	492	498	487
21	489	489	490	489	486	490	494	492	485	482	483	484	484	486	487	486	488	491	495	495	492	493	490	491	489
22 Q	491	491	488	491	492	495	500	499	491	492	489	483	480	483	486	486	492	492	494	493	494	493	493	492	491
23	492	492	493	493	495	499	499	495	491	487	485	487	479	476	486	491	492	495	495	495	494	493	495	495	491
24 Q	496	496	497	500	500	500	501	497	495	492	490	488	492	494	495	495	496	499	498	497	497	497	497	497	496
25	497	497	498	499	503	510	512	511	506	506	505	499	497	500	506	508	485	501	509	508	503	497	497	494	502
26	490	491	494	496	496	500	499	494	493	493	492	487	485	485	488	494	498	500	500	500	498	497	496	495	494
27	494	493	493	495	492	498	497	496	489	486	483	483	481	486	488	489	489	488	488	489	491	490	488	488	490
28	493	489	490	493	500	501	500	504	496	491	486	484	475	472	483	488	488	477	491	494	494	494	492	493	490
29	487	482	498	493	493	493	497	494	496	490	483	481	485	488	486	460	469	474	478	482	487	492	483	492	486
30	486	481	473	484	488	490	488	487	484	481	478	479	485	485	486	488	492	492	486	488	490	489	488	488	486
Mean	491	490	489	491	494	494	495	493	490	484	480	480	482	485	490	489	491	492	491	493	494	492	489	490	490

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MAGNETIC DECLINATION (WEST).

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

46. Lerwick. (D). 13° + November, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	40·8	41·2	36·8	38·7	54·1	43·2	45·9	54·1	48·0	46·2	47·0	48·0	47·2	46·0	47·2	46·2	45·1	44·3	43·3	42·6	39·1	39·9	39·5	39·9	44·6
2	40·6	39·3	36·8	37·0	39·3	40·8	39·9	39·9	39·3	39·3	41·4	43·5	44·9	43·9	44·5	43·5	42·4	42·6	40·1	41·2	41·6	40·6	40·6	40·6	41·0
3	40·1	40·3	40·4	41·0	41·0	42·2	42·0	41·2	41·0	40·6	40·8	43·3	43·5	44·7	43·9	43·3	43·0	42·6	42·4	41·8	40·6	40·3	39·7	38·9	41·6
4	40·6	39·7	40·1	38·7	39·5	39·1	38·7	39·9	40·6	40·1	41·8	42·2	43·1	43·1	42·8	43·1	43·1	41·4	43·0	40·4	35·4	31·6	33·7	34·8	39·9
5	38·7	38·5	43·1	37·7	38·3	39·3	39·7	39·5	39·9	41·0	42·6	45·1	46·6	46·4	45·7	43·7	42·2	41·2	44·5	42·8	39·1	39·3	39·9	38·7	41·4
6 Q	40·1	42·4	42·0	41·8	40·8	39·3	40·1	39·9	40·3	40·8	42·4	43·3	43·5	43·5	42·8	42·2	42·0	41·8	41·8	41·6	38·5	37·2	40·4	40·4	41·2
7	42·6	42·2	40·8	39·9	39·9	40·3	40·4	40·3	40·1	40·6	42·4	43·9	45·5	46·0	45·5	45·3	38·9	32·7	42·4	42·0	40·6	40·3	40·6	40·4	41·4
8	40·4	40·4	40·1	40·4	39·9	39·7	39·7	39·7	39·1	39·5	41·5	44·3	45·5	45·1	43·9	43·1	42·0	42·2	41·6	41·0	37·6	38·1	38·9	39·5	41·0
9 Q	41·2	42·2	41·4	41·2	41·4	41·0	40·6	40·1	39·3	39·6	41·7	43·4	44·0	43·8	43·2	42·9	42·9	43·2	42·7	41·9	39·4	39·0	40·2	41·1	41·6
10 Q	41·7	42·3	42·5	41·7	41·1	40·7	40·4	40·0	39·8	39·6	41·3	43·1	45·6	45·6	44·0	43·1	42·7	42·1	41·9	40·9	38·8	39·4	39·8	39·6	41·6
11	42·3	42·7	41·7	41·9	41·1	41·1	40·7	40·2	40·0	40·4	41·7	43·8	45·2	44·0	43·8	43·1	42·7	42·7	41·9	39·4	40·9	40·4	40·4	40·4	41·8
12	40·9	41·9	41·3	41·1	39·8	39·4	40·4	41·1	41·1	41·1	43·4	46·1	47·3	45·2	45·2	45·0	49·4	43·4	41·5	37·1	34·4	38·4	38·8	40·4	41·8
13	41·5	40·5	43·1	44·6	40·1	38·6	39·2	39·8	40·1	41·1	43·1	44·6	46·9	46·5	47·1	45·0	46·1	41·9	40·4	39·6	39·2	29·9	35·3	40·2	41·5
14 D	41·3	41·5	41·1	41·3	40·5	40·9	46·3	48·1	43·2	46·1	44·4	45·0	46·5	40·9	46·3	46·3	45·0	37·7	40·0	39·6	39·8	38·6	30·7	27·6	41·6
15 D	37·7	40·0	40·4	40·0	40·5	44·4	40·7	41·3	41·5	41·9	41·9	42·9	43·6	43·2	41·7	41·9	41·1	38·0	31·9	40·0	41·1	39·6	35·7	37·8	40·4
16 D	36·5	37·5	40·2	44·8	41·3	50·2	51·9	46·7	42·9	43·1	43·1	44·6	45·0	43·3	42·3	31·9	40·7	28·6	24·1	38·4	30·9	23·0	26·6	43·6	39·3
17 D	40·7	39·8	39·2	39·6	40·9	40·4	41·5	42·7	39·4	41·1	41·3	42·5	44·0	43·8	38·6	41·7	41·3	40·7	39·8	37·7	39·4	36·9	37·5	36·7	40·3
18	40·0	41·3	40·0	41·1	41·7	40·4	39·8	40·7	41·5	41·3	42·9	44·0	44·2	44·4	43·4	39·2	39·2	42·1	39·2	39·6	36·3	36·5	39·0	40·5	40·8
19	40·7	42·5	44·3	41·5	41·1	40·7	41·1	41·5	40·7	43·1	44·4	45·0	46·3	45·3	45·8	43·6	41·3	40·9	39·0	39·0	36·5	36·7	38·4	38·2	41·6
20	37·7	40·0	39·4	40·4	40·5	40·5	42·5	41·9	39·8	40·2	41·1	42·3	43·8	43·1	42·5	39·0	41·5	40·9	41·5	41·1	40·4	40·0	39·0	36·1	40·6
21	37·7	39·2	40·4	40·7	40·9	40·9	40·7	41·5	42·7	43·1	42·9	43·2	43·2	42·3	41·7	40·9	40·2	41·3	40·9	40·7	40·0	38·2	37·7	39·6	40·9
22 Q	40·5	41·1	41·9	40·5	39·8	40·0	40·0	40·5	40·9	40·0	41·5	42·1	43·1	43·1	43·1	43·1	40·7	40·0	40·9	40·4	40·0	40·0	40·4	40·4	41·0
23	40·5	40·7	41·3	40·7	39·2	39·2	39·3	40·0	40·0	40·2	41·1	42·7	44·0	43·2	42·9	42·1	41·3	41·1	40·5	40·4	40·4	40·4	40·4	40·5	40·9
24 Q	40·7	41·1	41·5	41·7	41·7	40·9	40·5	40·6	40·4	40·5	41·9	42·9	43·4	42·7	41·9	41·5	41·1	41·1	40·9	40·9	40·5	40·4	40·4	40·5	41·2
25	40·9	41·1	41·7	41·7	41·7	41·7	41·3	41·1	41·5	41·3	42·1	42·1	42·5	42·3	44·0	46·5	47·3	44·6	42·3	42·1	40·5	39·6	37·3	35·5	41·8
26	35·5	39·0	40·7	41·3	41·1	40·7	40·4	40·9	41·5	40·0	41·7	42·5	43·2	44·2	44·2	42·9	41·9	41·5	41·3	40·7	40·2	40·0	40·2	40·4	41·1
27	40·4	40·7	40·9	40·9	43·4	43·1	39·8	39·8	39·4	39·2	40·0	41·5	42·1	42·3	42·3	41·9	41·5	41·1	40·5	38·8	39·2	38·8	39·4	40·5	40·7
28	40·9	40·5	40·9	40·9	40·4	40·4	42·7	42·5	41·9	41·9	42·1	42·9	44·6	46·9	45·4	43·6	43·1	39·0	41·7	40·4	40·0	39·6	39·4	40·4	41·8
29	39·6	40·9	39·6	37·3	38·4	38·0	39·6	42·1	40·9	41·1	42·3	41·7	43·1	44·4	46·1	39·6	40·2	42·3	41·9	40·0	39·6	37·8	38·2	41·5	40·7
30	39·8	37·8	42·5	40·9	40·5	39·2	39·8	40·0	40·9	42·1	43·4	42·3	43·1	42·7	42·1	41·5	40·9	41·3	39·6	40·2	40·2	39·6	39·2	39·6	40·8
Mean	40·1	40·6	40·9	40·7	41·0	41·0	41·2	41·6	40·9	11·2	42·3	43·5	44·5	44·2	43·8	42·3	42·1	40·8	40·5	40·4	39·0	38·0	38·2	39·1	41·2

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

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TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

46,000 γ (·46 C.G.S.unit) +

47. Lerwick. (V.) November, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	587	580	579	574	542	532	542	551	537	557	563	573	579	589	600	604	603	606	607	607	613	609	603	595	581
2	561	550	559	576	590	589	593	599	599	601	601	605	604	594	596	597	597	597	604	601	595	594	592	589	591
3	588	587	588	587	586	589	586	591	596	602	595	591	588	592	596	597	595	595	597	601	602	600	594	593	593
4	587	586	586	586	583	572	585	586	591	595	596	594	602	602	602	602	603	618	630	634	635	617	583	571	598
5	592	596	581	566	583	596	602	607	608	611	611	607	605	604	607	609	617	614	614	614	617	614	609	587	603
6 Q	600	601	598	600	602	602	601	606	608	611	613	611	611	609	607	605	603	604	604	606	610	607	605	603	605
7	593	592	596	600	599	600	600	601	604	607	610	609	606	607	605	606	616	619	616	609	611	610	606	605	605
8	605	605	604	603	602	601	601	603	606	608	608	608	608	609	606	604	604	604	605	604	605	594	598	596	604
9 Q	590	591	597	601	600	600	600	602	605	608	609	609	609	607	606	604	603	603	605	604	605	606	602	602	603
10 Q	602	604	601	602	601	601	601	602	605	608	609	609	607	606	606	606	605	605	605	606	605	605	602	604	604
11	603	603	603	605	603	602	601	602	604	605	607	606	605	605	605	605	606	604	607	612	607	606	606	607	605
12	608	604	604	604	603	599	600	599	602	605	606	605	609	617	619	627	634	635	620	619	611	607	605	605	610
13	605	607	605	591	579	588	589	592	595	599	600	605	609	614	620	624	626	622	616	614	614	611	602	599	605
14 D	601	604	605	605	604	602	600	592	605	606	605	609	620	634	631	646	647	641	620	613	608	599	551	552	608
15 D	577	591	599	600	601	604	591	598	599	602	604	606	608	615	612	612	612	614	618	609	606	607	599	591	603
16 D	586	593	579	520	523	544	523	537	555	577	596	610	615	634	665	688	685	699	658	634	611	569	537	504	593
17 D	560	596	601	605	607	605	604	607	610	615	621	625	629	653	664	632	631	628	632	620	599	581	586	589	613
18	593	598	604	603	602	607	607	612	612	613	610	608	611	615	620	631	633	628	631	633	616	578	597	601	611
19	603	597	590	596	602	605	607	607	610	613	614	614	614	619	627	635	633	628	632	631	625	621	607	590	613
20	578	596	602	606	606	608	609	605	609	610	610	610	611	612	615	626	618	623	624	618	616	616	608	591	609
21	596	600	602	607	607	606	606	608	610	608	608	608	611	612	614	616	617	616	614	615	617	616	612	611	610
22 Q	611	609	607	606	607	605	606	608	610	611	613	614	613	612	612	613	614	617	615	616	615	615	615	615	612
23	614	613	610	607	605	604	606	608	611	615	614	614	617	615	614	615	614	611	612	613	615	616	615	615	612
24 Q	615	613	612	609	610	610	610	610	611	612	613	616	616	617	616	614	612	611	611	612	613	613	614	615	613
25	615	614	613	612	609	605	604	606	607	608	609	613	613	613	614	617	636	626	617	616	617	621	621	615	614
26	608	613	614	614	611	609	607	608	607	608	611	615	616	619	618	615	612	611	609	608	608	608	609	611	611
27	612	612	612	610	609	600	602	601	603	605	608	611	615	615	617	618	618	618	617	616	613	612	613	612	611
28	607	610	614	615	612	611	608	603	603	604	609	614	621	625	626	628	630	646	626	618	613	610	610	608	615
29	609	608	591	598	603	606	600	598	596	600	605	610	612	615	623	648	648	642	636	630	621	610	609	596	613
30	597	602	606	603	609	610	609	609	607	606	604	607	607	609	615	616	617	617	621	617	612	612	611	610	610
Mean	597	599	599	597	597	597	597	599	601	604	606	608	610	613	616	619	620	620	617	615	612	606	601	596	606

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

48. Lerwick. November, 1932.

Day.	Terrestrial Magnetic Elements.																					$\frac{HR_H+VR_V}{10,000\gamma^2}$ §	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		(0-2)	200 +
	h.	m.	γ	γ	h.	m.	γ	h.	m.	′	′	h.	m.	′	h.	m.	γ	γ	h.	m.	γ			°A
1 D	12	28	521	422	6	58	99	4	33	61·1	35·8	3	6	25·3	20	16	615	515	4	48	100	610	1	77·4
2	8	14	504	451	11	44	53	12	5	45·9	33·7	2	8	12·2	18	46	610	544	2	5	66	385	1	77·0
3	6	31	503	452	9	45	51	13	44	45·9	38·3	9	46	7·6	9	45	604	584	6	35	20	167	0	77·7
4	16	25	510	459	22	49	51	18	54	45·9	28·5	21	35	17·4	19	56	647	569	5	23	78	437	1	78·6
5	17	13	505	465	1	57	40	13	7	47·4	36·0	3	43	11·4	16	58	622	560	3	16	62	347	1	78·9
6 Q	21	24	505	473	11	16	32	11	39	43·9	35·0	21	14	8·9	10	20	614	594	0	0	20	139	0	78·7
7	0	34	512	478	18	39	34	13	54	46·4	28·1	17	16	18·3	17	3	623	585	0	49	38	226	1	79·0
8	21	2	522	476	9	54	46	12	40	45·9	33·7	20	56	12·2	13	27	611	589	21	42	22	170	1	79·2
9 Q	16	59	506	482	10	42	24	12	54	44·6	36·7	20	42	7·9	10	55	610	586	0	58	24	147	0	79·4
10 Q	5	49	509	478	10	35	31	13	16	46·0	36·1	20	13	9·9	11	42	610	598	5	52	12	101	0	79·4
11	17	33	511	481	10	36	30	12	10	45·4	37·5	19	30	7·9	19	41	616	598	1	57	18	127	0	79·1
12	5	54	511	471	11	19	40	16	30	51·7	30·7	20	17	21·0	17	16	640	598	7	16	42	254	1	79·0
13	6	20	510	471	12	8	39	15	1	49·2	27·4	21	39	21·8	16	55	631	576	4	31	55	313	1	79·4
14 D	22	37	511	443	12	57	68	6	58	49·8	21·4	23	26	28·4	15	53	651	529	22	56	122	668	1	79·4
15 D	24	0	510	467	13	25	43	5	41	46·5	25·1	18	8	21·4	18	18	627	571	0	6	56	323	1	79·9
16 D	4	23	522	382	22	31	140	6	15	59·8	7·7	18	11	52·1	17	27	721	483	23	42	238	1312	2	79·6
17 D	20	46	532	445	12	44	87	12	36	49·0	30·1	14	33	18·9	14	33	693	517	0	0	176	946	1	79·2
18	20	51	529	456	15	32	73	10	55	46·0	26·1	20	39	19·9	15	56	638	570	21	20	68	423	1	79·0
19	5	9	502	467	23	3	35	2	16	47·1	35·3	21	25	11·8	15	52	639	575	24	0	64	349	1	76·7
20	23	4	515	467	15	22	48	7	3	45·8	35·5	15	28	10·3	15	36	633	571	0	11	62	359	1	78·6
21	21	43	502	479	16	0	23	9	5	44·2	34·6	21	3	9·6	21	23	621	594	0	27	27	159	0	78·5
22 Q	6	20	503	478	12	37	25	15	24	43·6	39·0	16	44	4·6	17	25	620	605	6	19	15	106	0	78·1
23	6	15	500	467	13	4	33	12	44	45·0	38·6	4	13	6·4	12	44	619	603	5	37	16	123	0	78·0
24 Q	6	38	502	486	11	20	16	12	37	43·8	40·0	7	38	3·8	13	46	618	608	6	40	10	70	0	77·5
25	15	29	520	472	16	4	48	15	53	49·4	32·4	22	57	17·0	16	22	643	600	24	0	43	270	1	77·0
26	5	54	503	480	11	55	23	13	55	45·0	32·6	0	3	12·4	13	27	619	600	0	0	19	122	0	76·5
27	5	30	503	477	12	34	26	5	14	44·4	37·1	21	4	7·3	17	4	620	598	5	39	22	141	0	77·0
28	7	23	508	463	16	59	45	13	36	48·1	37·1	17	31	11·0	17	25	654	599	7	25	55	321	1	77·2
29	2	21	508	453	15	25	55	14	50	47·9	35·7	3	4	12·2	16	4	653	585	23	42	68	397	1	77·1
30	16	49	494	468	2	12	26	2	48	45·2	36·7	1	43	8·5	18	23	623	589	0	0	34	196	0	78·0
Mean	--	--	510	464	--	--	46	--	--	47·3	32·7	--	--	14·6	--	--	631	576	--	--	55	324	0·63	78·4
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see page 38. 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, 1932.**

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	486	486	486	483	485	491	493	495	488	479	471	474	481	484	487	489	483	482	474	482	484	488	486	487	484
2	480	480	478	483	486	488	490	487	486	484	482	482	483	486	484	492	494	494	491	475	479	478	486	486	485
3	486	484	480	484	489	487	490	489	489	487	480	479	484	488	493	494	496	496	494	490	489	479	486	480	487
4	481	479	481	475	487	493	496	493	490	488	484	485	487	487	491	492	490	496	496	494	493	494	489	487	489
5 Q	493	488	488	492	490	492	493	493	492	489	485	487	488	490	492	493	494	496	495	494	492	487	489	479	490
6	481	489	491	494	496	499	502	497	492	489	485	486	490	494	494	496	499	499	498	496	494	490	498	491	493
7 Q	480	485	489	490	489	490	493	494	493	490	489	490	492	495	497	499	500	499	499	497	495	496	495	492	493
8 D	494	493	495	498	495	494	509	512	500	501	499	487	491	495	503	506	510	507	506	502	503	490	476	478	498
9	466	489	479	473	480	492	479	474	453	465	475	468	466	478	475	472	479	487	484	488	482	467	484	484	477
10	490	484	480	487	490	491	491	491	489	487	485	483	481	465	471	479	487	489	493	474	475	478	478	487	484
11	486	486	485	487	489	492	494	495	491	485	484	480	476	484	487	490	491	490	491	488	486	485	482	488	487
12 Q	492	488	490	493	498	500	499	494	494	481	484	482	482	484	485	488	489	491	490	489	489	489	488	488	489
13	488	489	491	495	497	499	499	502	495	491	484	483	484	480	490	481	483	478	470	476	479	474	462	474	485
14 D	475	481	483	491	495	495	495	498	498	498	485	476	456	475	482	496	536	647	585	558	472	362	384	394	488
15 D	394	424	444	450	453	476	480	479	472	467	462	470	477	475	469	480	482	473	484	515	404	390	351	368	452
16 D	369	323	445	452	461	479	488	486	484	478	469	465	469	477	485	491	469	470	493	486	488	471	462	470	464
17 D	469	464	478	481	479	484	486	478	470	460	456	454	468	476	470	478	460	467	468	467	467	472	471	477	471
18	470	474	468	461	488	481	479	480	469	466	465	463	463	463	473	482	482	484	477	476	477	481	478	478	474
19	477	479	477	482	487	489	489	489	481	477	477	474	474	470	463	471	474	482	483	479	476	468	478	483	478
20	485	478	481	482	483	487	493	489	484	477	477	478	478	481	486	487	487	488	488	488	488	488	487	485	484
21 Q	486	485	487	484	487	491	492	492	486	480	480	480	481	478	481	486	488	491	492	491	488	487	486	486	486
22	484	485	488	486	489	490	491	490	486	484	482	482	486	488	486	485	482	479	482	483	481	485	487	486	485
23 Q	486	485	485	485	489	489	491	492	492	487	482	481	481	486	488	489	490	488	485	482	481	482	484	484	486
24	492	488	485	488	492	495	496	495	494	493	487	488	491	491	490	490	490	490	490	490	491	491	487	486	490
25	487	488	487	487	491	494	499	503	502	495	486	489	490	495	489	492	491	489	485	495	481	469	481	480	489
26	472	464	476	490	494	493	494	494	488	487	486	486	487	489	486	488	489	491	477	482	480	483	487	487	485
27	483	461	471	475	480	483	482	483	483	483	477	478	479	488	486	488	487	484	484	495	479	485	485	484	482
28	484	480	479	479	480	484	489	489	485	485	485	485	483	470	468	488	495	499	482	485	490	504	474	477	484
29	485	485	485	484	487	488	491	491	487	486	489	490	488	487	489	490	491	489	489	488	484	488	483	485	487
30	487	488	484	487	489	492	497	489	492	491	491	489	485	484	488	487	491	492	483	474	471	477	486	482	487
31	486	482	482	482	486	490	501	484	494	493	491	486	484	491	495	492	497	493	487	503	487	475	482	508	490
Mean	477	475	481	483	486	490	492	491	487	484	481	480	481	483	485	488	490	494	490	490	481	476	475	477	484

486 at 0-1h. Jan.1st. 1933

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MAGNETIC DECLINATION (WEST).

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

50. Lerwick. (D.) 13° + **December, 1932.**

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	40·1	40·5	40·3	41·6	40·5	40·3	39·9	40·3	40·1	40·3	41·8	43·5	43·0	42·6	43·3	42·4	41·4	39·5	36·4	37·2	38·1	38·1	40·1	39·7	40·5
2	38·9	39·3	41·6	41·6	39·9	39·9	40·3	40·3	40·1	40·5	42·0	42·2	42·4	43·0	42·6	42·2	42·4	43·2	43·3	39·1	33·3	37·9	39·9	40·1	40·7
3	40·1	39·1	38·5	41·0	38·5	38·9	40·1	40·1	40·1	40·8	41·6	41·2	41·8	41·4	42·0	41·2	40·0	40·8	41·2	41·6	37·4	36·0	37·8	38·5	40·0
4	38·3	39·3	41·2	38·5	40·3	40·3	40·5	40·3	40·6	40·8	41·8	43·0	44·1	43·7	43·2	43·0	41·2	41·6	41·4	42·0	40·5	40·3	39·3	39·5	41·0
5 Q	41·0	40·6	41·0	40·3	41·2	41·8	41·0	40·6	40·5	40·3	41·6	42·2	42·8	42·4	41·8	41·4	40·8	41·0	40·6	39·7	40·6	39·1	35·4	36·2	40·6
6	38·9	42·4	40·6	39·9	39·7	40·5	40·5	41·0	41·6	43·0	43·9	44·5	44·3	43·9	42·8	41·8	41·6	41·4	40·8	40·6	40·5	39·9	35·8	29·8	40·8
7 Q	36·8	39·5	40·8	39·5	39·7	40·1	40·1	39·9	40·1	40·3	41·6	43·0	43·3	42·8	42·2	41·6	41·6	41·4	41·0	40·6	40·3	39·9	40·2	39·6	40·7
8 D	37·5	38·0	40·4	37·7	36·7	37·9	36·7	38·2	39·2	39·8	41·1	43·6	44·2	45·0	43·6	42·3	42·9	42·5	42·9	41·1	40·9	39·2	35·7	27·2	39·8
9	35·0	37·5	36·3	39·4	41·9	43·4	46·9	45·4	44·0	43·6	43·4	43·3	42·7	42·3	42·7	38·4	39·6	40·9	40·0	35·9	33·6	33·8	38·0	39·0	40·3
10	41·7	37·5	41·3	39·8	39·4	39·4	40·0	40·2	40·0	41·5	40·6	42·5	43·1	42·7	44·4	42·1	40·6	37·1	33·2	34·8	34·0	36·7	35·7	39·2	39·5
11	40·4	41·3	40·9	40·9	41·1	40·7	40·2	39·8	39·4	38·6	39·6	41·1	40·9	41·1	40·9	40·6	39·8	39·4	40·4	40·2	37·5	32·1	36·3	38·8	39·7
12 Q	39·8	40·4	40·7	41·9	41·5	39·6	40·4	41·9	41·3	40·6	41·5	41·3	41·3	41·5	40·9	40·4	40·0	39·8	39·8	39·6	39·8	39·8	39·8	40·0	40·6
13	40·4	40·6	41·1	41·7	39·8	39·2	40·2	40·2	40·0	40·4	40·6	40·9	44·2	45·2	47·5	47·1	48·1	37·9	41·5	39·6	37·1	30·3	33·2	40·4	40·7
14 D	37·3	40·7	39·8	40·0	39·6	40·7	40·6	40·6	40·4	40·6	42·7	45·2	45·6	44·8	45·0	47·1	41·1	39·8	51·6	37·9	34·1	15·4	19·0	23·5	38·9
15 D	20·6	26·2	27·7	37·8	42·0	40·3	40·7	41·6	41·8	41·8	43·5	41·6	42·4	43·7	40·7	43·5	43·5	42·8	43·4	32·2	33·2	26·9	28·1	23·7	37·1
16 D	32·7	23·3	34·7	38·0	35·1	38·7	41·8	43·2	41·6	41·2	41·6	42·0	43·4	43·4	42·0	43·2	41·6	33·7	42·4	36·2	32·7	26·8	35·8	38·0	38·5
17 D	37·8	42·6	38·5	39·3	40·1	42·8	43·7	44·7	43·5	43·9	43·2	44·1	40·8	42·8	46·3	42·6	38·5	41·6	39·7	24·1	39·7	39·3	37·4	40·7	40·7
18	38·1	39·9	41·6	44·3	41·6	38·1	39·5	38·9	40·7	42·0	41·4	43·5	43·7	42·6	39·9	39·3	39·3	40·1	38·7	38·3	38·1	38·0	38·3	38·9	40·2
19	39·7	39·9	41·2	41·6	40·3	40·3	40·3	40·3	40·3	40·5	40·8	42·6	43·0	43·2	42·0	40·5	35·1	41·2	40·7	39·7	27·3	36·4	38·0	37·8	39·7
20	39·5	43·7	39·3	38·5	38·9	38·0	38·5	39·7	40·7	39·5	39·1	40·7	41·2	41·8	41·2	40·8	40·8	40·5	40·1	39·7	39·5	39·5	39·7	39·9	40·0
21 Q	39·1	40·5	38·7	39·9	40·1	39·3	39·1	39·5	39·5	40·3	40·7	41·0	41·6	41·2	40·5	40·1	40·1	39·9	40·0	40·0	39·8	39·4	39·4	39·8	40·0
22	40·2	40·4	40·4	40·9	39·6	39·4	39·4	39·4	39·8	40·4	41·1	41·9	42·5	42·9	42·5	42·5	42·3	40·4	39·6	38·2	37·9	38·6	39·6	39·6	40·4
23 Q	40·2	40·2	40·4	40·9	40·4	40·2	39·8	39·6	40·2	41·1	41·9	43·6	43·6	42·3	41·1	40·4	40·6	40·8	40·4	40·8	39·6	39·0	39·2	39·8	40·7
24	42·3	39·4	40·2	40·4	40·0	39·4	40·0	39·6	39·6	39·8	40·9	41·1	41.9	42.5	42.3	41·5	40·9	40·8	39·8	38·2	39·6	39·8	40·0	40·2	40·4
25	40·4	40·6	40·8	40·2	40·4	40·4	40·4	40·6	40·4	40·8	42·1	41·9	42·7	43·8	44·0	42·7	42·3	43·8	43·5	39·6	32·1	33·6	37·5	37·7	40·5
26	33·8	38·2	37·3	37·5	37·5	37·9	39·0	39·8	39·6	39·6	40·9	42·1	43·3	44·0	45·4	43·6	41·9	42·1	38·4	39·6	39·6	41·5	38·6	39·0	40·0
27	39·8	39·4	35·0	34·2	39·8	39·2	39·2	39·8	39·8	43·1	41·9	42·3	42·3	42·1	41·9	41·5	41·1	41·9	40·8	37·3	39·0	37·7	37·9	37·3	39·8
28	37·7	39·2	38·2	39·2	38·6	38·8	39·4	38·8	38·8	38·8	39·8	40·4	44·6	44·6	45·0	41·7	40·7	43·6	41·2	39·3	38·3	31·8	33·5	35·1	39·5
29	37·8	40·7	40·9	39·9	40·7	40·3	40·3	39·5	39·9	39·9	40·1	42·2	42·6	43·9	43·2	43·2	41·0	40·3	40·3	40·5	38·7	37·8	39·3	39·3	40·5
30	39·1	38·9	38·7	39·5	37·6	38·0	39·1	40·3	40·5	39·9	40·3	40·9	42·0	43·2	44·1	43·7	41·6	42·0	41·8	38·7	38·0	36·4	33·1	35·3	39·7
31	30·0	37·8	38·2	39·9	41·8	40·7	39·7	41·6	42·0	40·9	41·8	41·8	41·0	42·4	42·4	41·2	42·0	44·1	39·7	37·2	31·4	35·6	37·6	38·3	39·5
Mean	37·9	39·3	39·2	39·9	39·8	39·8	40·2	40·8	40·5	40·8	41·5	42·3	42·8	43·0	42·8	42·0	41·1	40·8	40·5	38·4	37·2	36·0	36·8	37·2	40·0

34·9 at 0-1h. Jan.1st. 1933.

Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 56-61.

123.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

46,000 γ (·46 C.G.S.unit) +

51. Lerwick. (V.) December, 1932.

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	611	610	611	609	610	611	610	610	611	612	611	609	607	611	616	619	626	631	635	626	620	616	616	612	615
2	614	611	614	613	617	617	616	617	616	616	614	612	611	611	611	612	615	618	622	639	643	627	619	616	618
3	614	613	613	606	606	613	614	615	615	614	615	614	612	614	615	617	619	620	621	623	626	629	620	617	616
4	605	593	588	600	610	617	620	622	623	622	623	622	621	621	622	624	628	625	627	628	631	629	630	630	619
5 Q	616	617	619	620	620	619	621	623	624	626	628	626	626	627	625	624	624	624	625	626	628	631	630	625	624
6	620	610	614	617	617	617	616	619	620	619	618	618	618	617	619	619	617	617	617	619	620	623	615	604	617
7 Q	608	609	609	611	613	612	612	613	617	618	617	617	618	616	617	616	613	613	614	614	615	615	617	618	614
8 D	613	615	615	610	607	600	586	590	600	606	608	615	616	613	612	613	611	613	612	614	615	621	631	595	610
9	577	537	578	595	588	589	602	606	623	627	628	633	637	637	638	649	643	632	631	627	620	621	620	620	615
10	602	594	597	605	613	614	615	616	617	618	619	621	625	639	641	638	632	633	627	634	633	630	629	624	621
11	622	623	624	624	623	622	621	620	623	624	624	625	630	629	629	628	627	627	625	625	626	621	619	612	624
12 Q	612	617	618	618	610	610	609	611	613	617	619	620	623	622	626	626	626	625	625	624	622	622	622	622	619
13	623	623	621	619	616	616	615	613	617	618	619	620	620	622	625	637	648	685	672	655	644	638	635	581	628
14 D	598	611	612	617	625	623	621	618	617	616	620	622	649	645	642	640	732	869	863	820	716	562	543	516	650
15 D	447	448	442	452	468	516	565	589	606	619	621	626	633	636	657	649	656	670	704	732	663	617	602	617	593
16 D	549	464	543	568	567	586	593	603	612	621	626	630	636	633	634	635	662	692	693	689	695	646	637	626	618
17 D	615	569	593	600	605	607	609	617	621	627	630	636	649	656	665	680	701	683	671	674	640	632	628	596	633
18	607	612	610	590	592	604	613	619	624	627	627	635	640	650	656	645	638	636	638	637	634	628	627	625	626
19	625	623	623	617	619	621	624	624	627	627	627	625	625	629	641	640	645	632	630	632	635	629	624	621	628
20	615	612	603	615	617	617	617	622	624	626	626	625	625	625	625	625	626	626	628	630	630	629	629	628	623
21 Q	625	622	617	620	622	623	624	625	629	630	629	628	626	629	631	628	628	626	626	627	628	629	629	628	626
22	626	624	623	623	621	623	623	624	625	624	626	626	624	624	625	627	628	632	632	631	633	629	627	626	626
23 Q	625	625	624	622	621	622	622	623	623	623	623	624	624	624	625	625	624	624	625	627	631	632	628	624	625
24	608	608	616	616	616	616	615	616	617	618	622	620	622	624	625	625	623	623	624	625	625	624	625	625	620
25	623	619	619	619	617	616	615	613	612	614	618	620	623	622	628	625	627	628	634	637	636	641	629	621	623
26	603	593	595	600	608	611	615	616	619	620	620	622	625	628	630	630	629	629	638	635	652	647	639	635	622
27	631	607	543	578	606	612	615	618	619	618	623	627	631	636	636	637	638	636	636	626	634	633	631	631	621
28	631	631	631	631	632	630	623	619	620	621	623	625	631	638	645	643	635	636	650	645	639	614	626	627	631
29	632	632	633	633	632	632	630	627	626	624	623	624	625	628	633	633	633	633	633	633	634	633	633	629	630
30	626	626	628	626	624	624	622	624	619	619	618	621	627	628	632	634	635	638	646	661	678	665	650	643	634
31	631	632	628	628	627	629	626	631	623	626	627	629	633	634	635	639	639	644	654	650	658	657	657	623	636
Mean	608	601	603	606	609	612	614	616	619	620	622	623	626	628	631	632	636	643	644	644	639	628	625	617	623

605 at 0-1h. Jan. 1st. 1933.

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

52. Lerwick. December, 1932.

Day.	Terrestrial Magnetic Elements.																							HRH+VRV §	Magnetic Character of Day.	Temperature in Magnet House
	Horizontal Force.							Declination.							Vertical Force.									10,000 γ²		
	Maximum 14,000 γ +			Minimum 14,000 γ +			Range	Maximum 13° +			Minimum 13° +			Range	Maximum 46,000 γ +			Minimum 46,000 γ +			Range			(0-2)	200 +
	h.	m.	γ	γ	h.	m.	γ	h.	m.	′	′	h.	m.	′	h.	m.	γ	γ	h.	m.	γ				°A
1	7	25	499	462	18	35	37	11	50	45·3	31·0	18	45	14·3	18	46	644	606	12	10	38		231	1	77·9
2	17	14	497	459	20	0	38	17	23	43·9	30·4	20	6	13·5	20	5	657	607	1	29	50		288	1	77·4
3	16	37	497	475	21	13	22	3	20	43·2	32·3	21	0	10·9	21	14	636	600	3	50	36		200	0	77·3
4	17	4	498	470	3	37	28	12	15	45·6	36·3	0	7	9·3	16	25	632	583	2	45	49		269	0	76·9
5 Q	0	8	499	473	23	37	26	0	24	43·6	32·4	22	4	11·2	21	50	634	610	0	46	24		150	0	76·4
6	22	50	518	478	23	52	40	12	23	45·2	24·9	23	8	20·3	21	47	625	596	23	10	29		193	1	75·7
7 Q	15	50	501	475	0	25	26	12	18	43·6	33·4	0	0	10·2	12	20	619	604	0	48	15		108	0	75·2
8 D	7	0	521	453	22	12	68	13	4	46·9	24·1	23	34	22·8	22	37	652	582	24	0	70		425	1	75·0
9	19	44	501	444	8	56	57	6	46	48·1	27·4	0	5	20·7	15	21	655	526	1	15	129		684	1	75·5
10	18	15	509	455	13	51	54	14	32	46·1	30·3	18	4	15·8	14	4	642	581	0	55	61		362	1	75·6
11	21	43	498	469	12	20	29	0	0	42·1	26·1	21	40	16·0	12	24	633	610	23	32	23		149	1	75·5
12 Q	5	29	502	477	9	36	25	4	0	43·4	38·8	4	52	4·6	15	55	627	608	4	50	19		125	0	75·7
13	7	47	505	456	22	43	49	16	25	50·4	26·6	21	38	23·8	17	37	711	555	23	50	156		798	1	76·0
14 D	17	22	772	292	21	17	480	17	49	68·5	0·6	21	31	67·9	17	15	927	459	24	0	468		2877	2	76·6
15 D	19	34	563	264	23	0	299	18	13	46·1	7·7	0	47	38·4	19	32	756	434	2	59	322		1935	2	77·4
16 D	20	45	516	86	1	15	430	1	10	66·6	-9·8	1	24	76·4	20	35	721	369	1	11	352		2263	2	77·8
17 D	23	23	504	441	11	55	63	1	2	55·2	10·2	19	24	45·0	16	48	709	550	1	30	159		832	1	78·3
18	4	48	494	445	3	8	49	3	5	48·3	36·9	21	35	11·4	14	10	666	577	3	35	89		486	1	79·0
19	20	32	503	457	14	23	46	2	55	43·4	18·2	20	29	25·2	16	30	652	614	3	30	38		244	1	79·1
20	6	46	497	470	9	55	27	1	42	46·3	37·1	5	4	9·2	19	45	632	596	2	7	36		207	0	79·4
21 Q	1	58	497	476	13	35	21	12	57	42·1	37·3	2	28	4·8	14	4	633	611	2	5	22		133	0	79·0
22	6	30	493	474	17	44	19	16	32	43·1	31·7	20	0	11·4	20	24	636	619	4	8	17		107	0	78·6
23 Q	7	53	495	479	20	24	16	12	9	43·8	37·5	21	48	6·3	20	55	634	619	4	0	15		93	0	78·8
24	6	46	497	481	10	24	16	0	36	43·4	36·5	19	2	6·9	19	22	626	599	0	56	27		149	0	79·0
25	19	55	520	458	20	57	62	14	45	44·8	27·4	21	7	17·4	21	5	650	610	24	0	40		276	1	79·4
26	7	10	500	439	1	13	61	14	15	45·8	28·4	0	56	17·4	20	34	657	578	1	54	79		456	1	79·7
27	19	23	509	449	1	57	60	1	23	44·0	27·2	2	57	16·8	16	10	640	530	2	32	110		600	1	79·8
28	21	3	532	454	14	36	78	14	30	47·1	25·5	21	51	21·6	18	42	659	611	21	31	48		337	1	79·5
29	21	27	495	478	20	46	17	13	55	44·2	34·0	0	0	10·2	20	55	640	622	9	38	18		109	0	79·3
30	23	51	506	454	20	32	52	15	10	44·8	29·5	23	29	15·3	20	34	688	616	8	51	72		411	1	79·4
31	23	18	528	468	21	33	60	17	25	45·4	24·3	0	38	21·1	19	7	667	602	23	55	65		390	1	79·2
Mean	--	--	515	439	--	--	76	--	--	46·8	26·9	--	--	19·9	--	--	663	577	--	--	86		512	0·74	77·7
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31		31	31	31

§ For explanation see page. 38. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of tables 56-61.

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

53. Lerwick. HORIZONTAL FORCE. (*All days*). 1932.

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. ...	-3·7	-4·7	-3·3	-2·4	+0·5	+5·3	+7·2	+5·5	+2·5	-0·2	-4·3	-6·2	-4·2	-1·3	+1·9	+1·4	+0·2	+1·9	+1·1	+0·8	+3·0	+1·4	-0·9	-1·5
Feb. ...	-3·3	-5·4	-6·3	-2·2	+1·3	+3·8	+6·7	+7·0	+2·0	-3·7	-8·8	-12·5	-8·0	-2·3	+1·8	+4·5	+6·7	+6·1	+5·0	+8·1	+2·5	+0·2	-0·4	-2·8
Mar. ...	-21·2	-24·3	-13·1	-8·0	+4·1	+1·3	+2·8	+2·1	-4·7	-12·6	-16·4	-13·7	-5·9	+2·6	+8·4	+14·0	+16·3	+23·8	+25·8	+16·3	+6·4	+5·9	-1·6	-8·3
Apr. ...	-9·6	-14·9	-20·4	-14·2	-4·3	+1·0	-0·1	-6·6	-12·4	-19·2	-24·9	-22·4	-12·1	+2·2	+13·1	+20·5	+25·2	+28·6	+27·7	+23·8	+15·4	+6·4	+2·7	-5·5
May. ...	-14·3	-20·4	-9·2	-18·6	-24·6	-14·4	-8·1	-8·3	-13·8	-18·2	-17·9	-14·9	-8·6	+2·9	+13·4	+21·9	+33·5	+39·5	+43·1	+33·2	+16·4	+1·2	-7·4	-6·5
June ...	-1·4	-1·1	-3·3	+1·0	-0·1	-2·7	-7·6	-13·1	-20·2	-25·9	-26·2	-24·7	-15·1	-8·6	+2·0	+10·9	+18·8	+23·9	+25·9	+25·0	+19·3	+12·9	+7·1	+3·2
July ...	+3·0	+0·1	+0·9	+1·1	+1·9	-0·8	-6·9	-11·0	-18·3	-25·0	-26·6	-26·1	-19·8	-9·5	-1·5	+7·6	+12·6	+21·7	+23·9	+24·9	+20·2	+14·2	+8·4	+5·0
Aug. ...	+1·6	-7·8	-11·5	+0·2	+2·8	+1·2	-4·0	-11·8	-19·8	-27·6	-28·7	-25·9	-17·1	-2·6	+3·8	+14·9	+21·2	+24·5	+24·5	+19·8	+16·5	+14·1	+6·5	+5·2
Sept. ...	+1·0	-4·9	-4·0	-2·4	+2·7	+2·6	-1·1	-6·0	-12·3	-19·1	-21·8	-18·0	-10·1	-1·7	+8·2	+14·0	+12·6	+12·6	+11·7	+12·1	+9·2	+7·3	+6·1	+1·3
Oct. ...	+0·8	-4·3	-2·7	-0·6	+4·2	+7·0	+6·1	+5·8	-1·2	-10·8	-17·7	-18·6	-13·1	-7·6	+0·8	+4·3	+7·8	+15·2	+8·1	+8·0	+4·0	0·0	+1·1	+3·4
Nov. ...	+1·6	+0·2	-0·2	+1·1	+4·5	+4·7	+4·9	+3·8	0·0	-5·6	-9·0	-9·5	-7·5	-4·6	+0·5	-0·1	+1·1	+2·3	+1·8	+3·0	+4·2	+2·9	-0·5	+0·4
Dec. ...	-7·3	-8·6	-3·4	-1·3	+2·6	+6·0	+8·4	+7·0	+3·0	0·0	-2·9	-4·0	-3·2	-1·0	+0·5	+4·1	+5·4	+9·4	+6·1	+5·6	-2·7	-8·2	-8·9	-6·6
Year. ...	-4·4	-8·0	-6·4	-3·9	-0·4	+1·3	+0·7	-2·1	-7·9	-14·0	-17·1	-16·4	-10·4	-2·6	+4·4	+9·9	+13·5	+17·5	+17·1	+15·1	+9·5	+4·9	+1·0	-1·1
Winter ..	-3·2	-4·6	-3·3	-1·2	+2·2	+4·9	+6·8	+5·8	+1·9	-2·4	-6·3	-8·1	-5·7	-2·3	+1·2	+2·5	+3·3	+4·9	+3·5	+4·4	+1·7	-0·9	-2·7	-2·6
Equinox..	-7·3	-12·1	-10·1	-6·3	+1·7	+3·0	+1·9	-1·2	-7·7	-15·4	-20·2	-18·2	-10·3	-1·1	+7·6	+13·2	+15·5	+20·1	+18·3	+15·1	+8·7	+4·9	+2·1	-2·3
Summer...	-2·8	-7·3	-5·8	-4·1	-5·0	-4·2	-6·7	-11·1	-18·0	-24·2	-24·9	-22·9	-15·1	-4·5	+4·4	+13·8	+21·5	+27·4	+29·3	+25·7	+18·1	+10·6	+3·7	+1·7

54. Lerwick. DECLINATION. (*All days*). 1932.

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

55. Lerwick. VERTICAL FORCE. (*All days*). 1932.

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. ...	-18·0	-17·4	-13·2	-10·2	-9·0	-8·1	-6·4	-4·3	-2·7	-1·9	+0·5	+2·1	+3·2	+5·4	+6·9	+13·3	+15·2	+17·0	+18·0	+13·7	+10·4	+5·3	-4·7	-15·1
Feb. ...	-19·4	-19·2	-20·2	-15·2	-10·6	-8·8	-7·0	-4·2	-1·8	-0·5	+1·4	+4·8	+4·0	+6·5	+12·6	+15·8	+20·7	+17·4	+16·8	+16·3	+9·3	+5·5	-9·8	-14·4
Mar. ...	-46·7	-54·4	-41·9	-32·6	-21·6	-17·3	-7·0	-1·0	+4·0	+7·5	+9·8	+10·8	+13·6	+17·8	+18·9	+25·8	+33·7	+42·1	+41·5	+31·2	+14·8	-0·4	-20·0	-28·6
Apr. ...	-49·5	-51·0	-45·8	-33·9	-25·8	-14·6	-4·3	+2·7	+7·4	+10·3	+12·9	+12·0	+13·9	+16·6	+23·8	+29·0	+36·4	+38·7	+36·2	+30·5	+20·0	-1·0	-24·1	-40·4
May. ...	-32·9	-42·9	-36·8	-32·3	-21·7	-18·5	-8·2	-0·6	+4·2	+4·9	+4·6	+5·0	+8·2	+15·9	+21·2	+24·5	+28·0	+24·2	+22·6	+24·8	+17·0	+4·7	-3·2	-12·7
June. ...	-13·2	-13·9	-11·0	-9·0	-5·0	-2·6	-1·0	+0·1	0.0	-0·9	-1·4	-3·0	-2·2	+1·4	+4·1	+7·6	+9·7	+10·4	+12·0	+12·2	+9·5	+3·8	-0·1	-7·5
July. ...	-8·5	-7·6	-7·3	-5·9	-5·5	-4·4	-2·4	-2·5	-1·0	-0·6	-1·5	-5·2	-6·3	-2·9	+1·8	+6·1	+11·5	+12·6	+13·0	+12·4	+9·0	+4·0	-2·7	-6·1
Aug. ...	-24·5	-22·1	-27·6	-16·4	-8·9	-5·0	-2·4	-0·6	+1·4	+3·0	+2·3	+0·3	+1·1	+4·0	+9·9	+17·6	+26·5	+27·6	+23·4	+16·1	+8·6	+1·1	-13·8	-21·6
Sept. ...	-22·5	-24·4	-22·3	-19·6	-15·0	-10·6	-6·5	-2·8	-0·1	+0·9	+2·0	+2·7	+3·7	+10·5	+21·3	+29·0	+32·8	+27·7	+22·3	+16·1	+2·6	-7·0	-17·6	-23·2
Oct. ...	-22·3	-24·9	-21·2	-14·4	-11·1	-9·7	-7·2	-5·1	-1·5	+2·4	+4·9	+5·6	+6·1	+9·5	+14·5	+21·6	+23·7	+25·5	+18·2	+15·0	+2·7	-0·7	-13·6	-18·0
Nov. ...	-8·8	-6·5	-7·0	-8·7	-9·1	-8·7	-9·1	-7·2	-5·1	-1·6	+0·2	+1·9	+3·7	+6·9	+9·8	+12·6	+13·4	+13·9	+11·2	+8·8	+5·5	-0·2	-5·6	-10·3
Dec. ...	-14·6	-21·8	-19·3	-16·3	-14·1	-10·8	-9·0	-6·6	-3·9	-2·3	-1·1	+0·4	+3·4	+5·2	+8·3	+8·9	+13·6	+19·9	+21·7	+21·2	+16·1	+5·3	+1·9	-6·1
Year. ...	-23·4	-25·5	-22·8	-17·9	-13·1	-9·9	-5·9	-2·7	+0·1	+1·8	+2·9	+3·1	+4·4	+8·1	+12·8	+17·7	+22·1	+23·1	+21·4	+18·2	+10·5	+1·7	-9·4	-17·0
Winter...	-15·2	-16·2	-14·9	-12·6	-10·7	-9·1	-7·9	-5·6	-3·4	-1·6	+0·3	+2·3	+3·6	+6·0	+9·4	+12·7	+15·7	+17·1	+16·9	+15·0	+10·3	+4·0	-4·5	-11·5
Equinox..	-35·3	-38·7	-32·8	-25·1	-18·4	-13·1	-6·3	-1·5	+2·5	+5·3	+7·4	+7·8	+9·3	+13·5	+19·6	+26·3	+31·7	+33·5	+29·5	+23·2	+10·0	-2·3	-18·8	-27·5
Summer...	-19·8	-21·6	-20·7	-15·9	-10·3	-7·6	-3·5	-0·9	+1·1	+1·6	+1·0	-0·7	+0·2	+4·6	+9·3	+13·9	+18·9	+18·7	+17·7	+16·4	+11·0	+3·4	-4·9	-12·0

† See page 21

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

56. Lerwick. HORIZONTAL FORCE (QUIET DAYS). 1932.

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

57. Lerwick. DECLINATION (QUIET DAYS). 1932.

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

58. Lerwick. VERTICAL FORCE (QUIET DAYS). 1932.

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. ...	+1·8	+0·2	-0·3	-0·5	-1·1	-3·1	-4·8	-3·7	-3·8	-2·8	-2·5	-0·9	0·0	+0·4	-0·1	+0·9	+1·5	+1·3	+1·4	+2·9	+2·2	+3·2	+4·1	+3·7
Feb. ...	-5·6	-4·9	-2·9	-0·9	-0·5	+0·1	+0·5	+0·9	+1·7	+2·6	+1·6	+0·4	-1·7	-1·3	-0·9	-0·6	+0·5	+0·6	+1·8	+1·7	+2·4	+2·6	+1·2	+0·7
Mar. ...	-7·9	-5·9	-4·2	-3·8	+0·1	+1·0	+1·6	+2·6	+2·2	+1·8	-0·7	-2·5	-4·2	-2·2	+0·9	+2·1	+3·0	+4·1	+4·1	+6·9	+5·7	+1·7	-2·2	-4·2
Apr. ...	-7·3	+5·6	+7·9	+8·8	+1·8	+1·1	+2·2	+0·9	+2·5	+2·6	+0·2	-4·6	-6·4	-5·5	-2·9	-0·9	+2·5	+3·5	+4·4	+2·4	0·0	-2·2	-6·9	-9·7
May. ...	-4·9	-3·9	-0·9	+2·4	+2·8	+3·8	+4·4	+3·3	0·0	-2·7	-6·2	-8·9	-7·8	-4·2	+1·6	+3·7	+7·1	+6·9	+5·3	+4·0	+2·3	0·0	-3·3	-4·8
June. ...	-0·3	-3·3	-4·4	-2·8	-1·2	-0·4	-0·4	+0·3	-1·8	-3·7	-4·8	-6·2	-5·6	-2·0	+1·2	+4·7	+5·7	+4·4	+2·8	+3·6	+5·7	+4·7	+1·7	+2·1
July. ...	+1·5	+0·8	-1·1	-1·2	-2·0	-1·2	-0·6	+0·1	+0·5	-0·2	-3·9	-5·6	-6·0	-5·3	-5·4	-0·3	+3·9	+5·7	+5·1	+4·4	+3·4	+2·9	+3·0	+1·5
Aug. ...	-2·7	-0·9	-0·9	+1·1	+3·1	+4·5	+3·4	+1·0	-1·2	-2·2	-4·8	-7·0	-9·4	-6·8	-2·2	+2·8	+4·6	+6·2	+4·7	+3·9	+1·9	+1·9	+0·5	-1·5
Sept. ...	-6·6	-2·0	+0·2	+2·4	+3·0	+3·6	+4·8	+3·9	-0·6	-3·6	-6·0	-5·6	-4·1	-1·5	+0·7	+3·5	+5·5	+4·5	+1·9	+1·0	+1·1	+1·3	-1·1	-6·3
Oct. ...	-10·1	-7·6	-1·1	+0·4	+1·6	-1·5	-1·0	+1·0	+2·5	+4·0	+5·1	+3·4	+1·5	+1·4	+3·9	+4·2	+2·6	+0·9	0·0	0·0	-0·7	-0·8	-4·5	-5·2
Nov. ...	-2·0	-2·2	-2·9	-2·5	-2·2	-2·8	-3·0	-1·1	+0·9	+3·0	+4·2	+4·9	+3·7	+2·6	+1·6	+0·5	-0·7	-0·2	-0·4	+0·2	+0·9	+0·3	-1·4	-1·4
Dec. ...	-3·4	-2·7	-3·5	-2·7	-3·7	-3·8	-3·5	-2·2	-0·2	+1·4	+1·7	+1·4	+1·8	+1·9	+2·9	+1·9	+1·0	+0·3	+0·8	+1·3	+2·4	+3·4	+2·7	+0·8
Year. ...	-4·0	-2·2	-1·2	+0·1	+0·1	+0·1	+0·3	+0·6	+0·3	0·0	-1·3	-2·6	-3·2	-1·9	+0·1	+1·9	+3·1	+3·2	+2·7	+2·7	+2·3	+1·6	-0·5	-2·0
Winter. ...	-2·3	-2·4	-2·4	-1·7	-1·9	-2·4	-2·7	-1·5	-0·3	+1·1	+1·3	+1·5	+0·9	+0·9	+0·9	+0·7	+0·6	+0·5	+0·9	+1·5	+2·0	+2·4	+1·7	+0·9
Equinox. ...	-8·0	-2·5	+0·7	+1·9	+1·6	+1·1	+1·9	+2·1	+1·7	+1·2	-0·3	-2·3	-3·3	-1·9	+0·7	+2·2	+3·4	+3·3	+2·6	+2·6	+1·5	0·0	-3·7	-6·3
Summer. ...	-1·6	-1·8	-1·8	-0·1	+0·7	+1·7	+1·7	+1·2	-0·6	-2·2	-4·9	-6·9	-7·2	-4·6	-1·2	+2·7	+5·3	+5·8	+4·5	+4·0	+3·3	+2·4	+0·5	-0·7

† See page 21.

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

59. Lerwick. HORIZONTAL FORCE (DISTURBED DAYS). 1932.

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
Jan.	-6·0	-10·1	-3·1	+0·2	+3·3	+11·2	+10·4	+8·9	+1·6	-7·4	-10·9	-11·2	-10·6	-4·3	+5·2	+6·0	-0·5	+6·7	+0·7	+4·9	+9·2	+6·7	+8·7	-19·6
Feb.	-12·4	-17·6	-28·4	-4·1	+1·7	+2·7	+6·2	+2·8	+2·7	-1·2	-7·9	-9·5	-2·1	+6·1	+4·7	+9·0	+17·4	+15·0	+15·9	+28·3	+2·4	-7·1	-15·4	-9·2
Mar.	-85·5	-96·1	-50·5	-20·4	-5·0	-28·3	-8·6	-2·6	-15·4	-23·9	-26·1	-18·3	+0·7	+21·1	+29·5	+41·4	+52·6	+86·1	+97·4	+52·8	+6·4	+9·9	-2·9	-14·3
April	-28·4	-45·9	-74·0	-30·8	-0·9	+6·2	-2·5	-12·9	-8·5	-18·5	-42·2	-27·1	-3·9	+20·8	+33·8	+36·6	+41·9	+38·5	+54·8	+41·1	+23·1	-1·9	+10·5	-9·8
May	-80·1	-86·5	-39·1	-86·1	-105·1	-67·9	-18·1	+8·1	+13·3	+14·1	+16·5	+19·1	+17·0	+47·0	+87·6	+98·2	+121·6	+105·6	+83·2	+42·4	-10·6	-63·4	-78·6	-38·2
June	-15·0	-10·3	-24·8	-1·0	-7·4	-7·5	-5·0	-10·2	-19·6	-30·1	-31·2	-26·2	-14·0	-3·5	+15·6	+30·8	+36·0	+41·5	+32·6	+33·2	+19·6	+5·1	-2·0	-6·6
July	+0·6	-1·1	+0·1	-4·3	+1·4	-2·7	-20·2	-24·5	-31·6	-32·5	-34·6	-28·3	-15·8	-4·6	-11·8	+11·7	+28·5	+42·3	+33·2	+33·8	+27·6	+19·2	+7·9	+5·7
Aug.	-4·4	-60·0	-72·7	-13·9	-3·7	-5·0	-18·2	-30·7	-34·5	-43·9	-37·0	-31·4	-9·3	+13·3	+20·8	+52·0	+66·2	+70·7	+56·1	+37·2	+24·6	+26·8	+2·9	-5·9
Sept.	-4·5	-21·9	-17·7	-22·5	-5·8	+1·6	-6·8	-3·5	-9·3	-22·1	-25·7	-23·5	-11·8	+7·8	+37·2	+66·0	+44·9	+35·3	+14·1	+11·6	-3·8	-8·4	-13·6	-17·6
Oct.	-15·0	-35·6	-23·3	-14·7	+5·3	+13·4	+7·0	+13·2	+2·2	-17·2	-21·5	-17·5	-5·5	+0·5	+12·4	+26·6	+34·6	+65·3	+14·7	+16·7	-7·1	-28·9	-21·2	-4·4
Nov.	+4·3	+4·3	+1·0	-2·1	+5·9	-5·5	-4·9	-5·3	-5·4	-7·3	-13·3	-9·5	-5·7	-2·3	+5·0	+5·7	+4·9	+3·1	+4·9	+9·9	+11·6	+8·3	-2·5	-5·1
Decr.	-36·3	-39·3	-7·2	-1·6	+0·8	+10·0	+16·2	+15·4	+9·7	+5·9	-0·5	-4·1	-2·1	+5·5	+7·8	+16·4	+17·8	+39·4	+34·0	+32·6	-6·1	-35·7	-43·7	-34·9
Year	-23·6	-35·0	-28·3	-16·8	-9·1	-6·0	-3·7	-3·4	-7·9	-15·3	-19·5	-15·6	-6·3	+8·9	+20·7	+33·4	+38·8	+45·8	+36·8	+28·7	+8·1	-5·8	-12·5	-13·3
Winter	-12·6	-15·7	-9·4	-1·9	+2·9	+4·6	+7·0	+5·5	+2·1	-2·5	-8·1	-8·6	-5·1	+1·3	+5·7	+9·3	+9·9	+16·1	+13·9	+18·9	+4·3	-6·9	-13·2	-17·2
Eqnx.	-33·3	-49·9	-41·4	-22·1	-1·6	-1·8	-2·7	-1·5	-7·7	-20·4	-28·9	-21·6	-5·1	+12·5	+28·2	+42·7	+43·5	+56·3	+45·3	+30·5	+4·7	-7·3	-6·8	-11·5
Sumr.	-34·7	-39·5	-34·1	-26·3	-28·7	-20·8	-15·4	-14·3	-18·1	-23·1	-21·6	-16·7	-5·5	+13·1	+28·1	+48·2	+63·1	+65·0	+51·3	+36·7	+15·3	-3·1	-17·5	-11·3

60. Lerwick. DECLINATION (DISTURBED DAYS). 1932.

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.	-3·46	-1·87	+1·00	+1·41	+2·85	+1·69	+2·34	+3·64	+3·04	+2·54	+3·47	+2·84	+3·67	+4·81	+4·95	+0·59	+4·28	-3·43	-5·76	-2·49	-4·52	-4·17	-10·27	-7·13
Feb.	-2·33	+0·25	+3·75	-0·74	-0·36	-0·40	+0·18	+1·24	+2·80	+2·15	+3·29	+5·37	+6·23	+7·23	+6·69	+4·14	-3·62	-1·14	-3·64	-9·62	-10·96	-3·93	-3·23	-3·35
Mar.	-3·30	-4·97	-8·64	-6·38	-3·79	-3·00	+0·27	+0·94	+1·48	+3·11	+5·01	+7·19	+8·71	+8·10	+8·92	+7·18	+3·50	-1·32	-4·95	-1·43	-6·60	-3·51	-1·02	-5·50
April	-3·60	-7·51	-7·04	-3·67	-5·73	-4·89	-3·46	-0·48	-0·15	-0·14	+3·21	+5·52	+6·62	+8·02	+4·39	+6·53	+5·42	+4·15	-0·78	-4·83	+0·23	-1·49	+3·18	-3·50
May	-3·10	-10·08	-10·22	-7·80	-7·02	-6·33	-2·99	-3·01	-2·45	-0·25	+2·48	+5·00	+7·34	+9·10	+8·63	+8·67	+9·59	+6·59	+3·45	+1·30	+0·52	-1·84	-3·78	-3·80
June	-1·06	-3·91	-0·94	-0·92	-2·74	-3·88	-4·27	-4·43	-5·31	-2·86	-0·78	+1·70	+4·16	+5·21	+5·07	+5·51	+4·95	+4·22	+2·53	+1·62	-1·00	-1·35	-0·72	-0·80
July	-3·26	-3·39	-2·45	-3·10	-3·18	-4·92	-2·50	-2·40	-1·09	-0·54	+0·62	+2·99	+4·61	+6·27	+5·55	+2·99	+2·18	+2·47	+2·55	+1·54	-0·18	-1·82	-1·26	-1·68
Aug.	-3.69	-2·01	-3·55	-4·73	-3·49	-1·88	+0·05	+2·25	+0·53	+2·23	+3·87	+5·33	+6·87	+6·43	+6·37	+4·25	-0·03	-2·54	-3·57	-0·67	-0·55	-2.57	-4·09	-4·81
Sept.	-5·25	-2·22	+1·25	-1·91	-5·13	-3·26	-1·27	+0·85	+0·43	+2·38	+3·91	+5·89	+7·93	+8·10	+6·89	+4·55	+1·55	+3·06	-2·33	-5·15	-6·25	-6·62	-4·35	-3·05
Oct.	-6·53	-8·90	-4·23	-2·62	+0·94	+3·26	+3·52	+3·11	+0·70	+2·25	+4·38	+5·27	+6·99	+8·26	+7·55	+4·34	+4·21	+0·47	+0·29	-3·72	-5·24	-8·39	-7·92	-7·99
Nov.	-2·09	-1·46	-1·91	-0·54	+2·05	+3·45	+3·90	+5·25	+1·68	+2·39	+2·27	+3·36	+4·03	+2·84	+2·04	+0·45	+1·50	-2·25	-5·28	-1·40	-2·99	-5·42	-7·01	-4·86
Decr.	-6·43	-3·41	-3·28	-0·89	-0·69	+0·73	+1·42	+2·43	+2·13	+2·33	+3·36	+4·29	+4·33	+5·03	+4·68	+4·95	+2·79	+1·39	+5·38	-4·27	-2·39	-8·95	-7·20	-7·73
Year	-3·67	-4·12	-3·02	-2·66	-2·19	-1·62	-0·23	+0·78	+0·32	+1·30	+2·92	+4·56	+5·96	+6·62	+5·98	+4·51	+3·03	+0·97	-1·01	-2·43	-3·33	-4·17	-3·97	-4·52
Winter	-3·58	-1·62	-0·11	-0·19	+0·96	+1·37	+1·96	+3·14	+2·41	+2·35	+3·10	+3·97	+4·57	+4·98	+4·59	+2·53	+1·24	-1·36	-2·33	-4·45	-5·21	-5·61	-6·93	-5·77
Eqnx.	-4·67	-5·90	-4·67	-3·65	-3·43	-1·97	-0·23	+1·11	+0·61	+1·90	+4·13	+5·97	+7·56	+8·12	+6·94	+5·65	+3·67	+1·59	-1·94	-3·78	-4·47	-5·00	-2·53	-5·01
Sumr.	-2·78	-4·85	-4·29	-4·14	-4·11	-4·25	-2·43	-1·90	-2·08	-0·35	+1·55	+3·75	+5·75	+6·75	+6·41	+5·35	+4·17	+2·69	+1·24	+0·95	-0·30	-1·89	-2·46	-2·77

61. Lerwick. VERTICAL FORCE (DISTURBED DAYS). 1932.

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.	-59·0	-59·1	-45·8	-31·5	-22·3	-20·9	-13·7	-9·6	-3·5	+0·8	+5·5	+6·8	+11·0	+17·1	+16·2	+41·9	+45·6	+54·4	+47·8	+33·7	+23·1	+14·6	-10·5	-42·6
Feb.	-37·2	-41·9	-49·7	-28·4	-9·3	-5·5	-6·7	-3·4	-6·2	-3·5	+1·4	+8·6	+5·5	+9·8	+21·8	+35·7	+54·2	+34·2	+32·2	+39·3	+16·1	+9·0	-38·5	-37·5
Mar.	-103·3	-137·8	-109·1	-61·5	-38·1	-42·1	-28·4	-10·0	+5·6	+14·7	+22·7	+34·1	+35·9	+43·2	+47·4	+64·2	+97·2	+117·9	+105·8	+67·9	-12·1	-15·6	-39·9	-58·7
April	-83·7	-104·7	-109·8	-84·8	-43·8	-17·9	-10·5	-2·8	0·0	+8·6	+24·3	+21·5	+36·0	+43·6	+57·9	+51·9	+63·3	+75·8	+69·6	+66·7	+43·3	+6·3	-41·2	-69·6
May	-56·0	-124·9	-114·0	-120·1	-52·6	-45·2	-26·5	-2·8	+12·9	+21·0	+21·5	+23·4	+34·8	+60·7	+67·2	+66·7	+76·4	+47·8	+40·5	+47·8	+8·1	-19·8	+20·3	+12·8
June	-63·6	-53·2	-40·7	-34·1	-13·3	-6·0	+0·8	+5·2	+10·8	+13·1	+12·3	+8·6	+10·0	+14·1	+22·0	+29·3	+34·2	+31·4	+33·0	+26·1	+19·6	-2·6	-14·2	-42·8
July	-29·9	-20·0	-15·5	-14·4	-20·8	-19·6	-13·4	-16·8	-10·2	-2·8	+1·1	-4·4	-2·5	+10·9	+26·3	+20·9	+22·6	+26·7	+33·5	+33·0	+20·9	+3·6	-8·8	-20·4
Aug.	-60·9	-61·7	-107·2	-57·7	-26·7	-22·1	-16·5	-15·5	-5·0	+8·4	+13·1	+13·6	+20·0	+30·1	+37·6	+57·2	+89·7	+85·0	+64·6	+41·1	+30·3	+4·8	-56·5	-65·7
Sept.	-47·0	-43·6	-52·5	-62·3	-57·4	-41·7	-30·1	-20·5	-7·9	+2·3	+6·3	+18·8	+15·3	+37·9	+75·0	+93·8	+90·5	+84·2	+72·4	+46·4	-18·0	-42·8	-50·0	-63·1
Oct.	-62·8	-78·6	-78·8	-54·2	-40·7	-32·5	-18·6	-12·5	-0·2	+11·5	+20·9	+24·6	+25·2	+27·8	+38·8	+61·8	+76·3	+99·9	+55·0	+36·3	+6·2	+3·5	-51·5	-57·4
Nov.	-19·1	-8·3	-8·4	-20·1	-25·3	-23·1	-28·4	-23·3	-18·9	-8·5	-2·0	+4·9	+10·7	+25·7	+35·2	+37·3	+36·7	+38·9	+28·4	+18·1	+9·1	-5·1	-22·8	-31·7
Decr.	-58·2	-81·0	-61·3	-52·7	-47·6	-35·3	-26·9	-18·2	-10·2	-3·5	-0·1	+4·8	+15·8	+15·9	+21·5	+23·0	+52·2	+85·4	+88·6	+86·0	+46·1	-3·9	-11·2	-29·2
Year	-56·7	-67·9	-66·1	-51·8	-33·3	-26·0	-18·2	-10·9	-2·7	+5·2	+10·6	+13·3	+18·1	+28·1	+38·9	+48·6	+61·6	+65·1	+55·9	+45·2	+16·1	-4·0	-27·1	-42·2
Winter	-43·4	-47·6	-41·3	-33·2	-26·1	-21·2	-13·9	-13·6	-9·7	-3·7	+1·2	+6·3	+10·7	+17·1	+23·7	+34·5	+47·2	+53·2	+49·3	+44·3	+23·6	+3·7	-20·7	-35·3
Eqnx.	-74·2	-91·2	-87·5	-65·7	-45·0	-33·5	-21·9	-11·5	-0·6	+9·3	+18·5	+23·3	+28·1	+38·1	+54·8	+67·9	+81·8	+94·5	+75·7	+54·3	+4·9	-12·2	-45·7	-62·2
Sumr.	-52·6	-64·9	-69·3	-56·6	-28·3	-23·2	-13·9	-7·5	+2·1	+9·9	+12·0	+10·3	+15·6	+28·9	+38·3	+43·5	+55·7	+47·7	+42·9	+37·0	+19·7	-3·5	-14·8	-29·0

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1932

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. 1932.

	All Days.			Quiet Days.			Disturbed Days.		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January	13·4	7·68	36·0	8·1	4·90	8·9	30·8	15·22	113·5
February	20·6	8·24	40·9	17·1	5·70	8·2	56·7	18·19	103·9
March	50·1	10·32	96·5	22·2	6·91	14·8	193·5	17·56	155·7
April	53·5	9·16	89·7	35·8	7·61	18·5	128·8	15·53	185·6
May	67·7	9·93	70·9	45·5	9·90	16·0	226·7	19·81	201·3
June	52·1	10·01	26·1	44·3	9·00	11·9	72·7	10·82	97·8
July	51·5	10·38	21·5	47·7	11·60	11·7	76·9	11·19	63·4
August	53·2	9·51	55·2	42·4	9·86	15·6	143·4	11·68	196·9
September	35·8	9·32	57·2	34·9	7·87	12·1	91·7	14·72	156·9
October	33·4	8·87	50·4	24·3	6·92	15·2	100·9	17·16	178·7
November	14·4	6·46	24·2	18·5	4·96	7·9	24·9	12·26	70·6
December	18·3	6·94	43·5	9·5	4·15	7·2	83·1	14·33	169·6
Year	34·6	7·30	48·6	27·5	6·73	7·2	80·8	11·14	131·2
Winter	14·9	6·76	33·3	13·2	4·50	5·1	36·1	11·91	100·8
Equinox	40·3	8·94	72·2	28·1	6·99	11·4	106·2	14·02	185·7
Summer	54·2	9·85	40·5	44·6	9·96	13·0	104·5	11·60	125·0

AVERAGE DEPARTURE.

63. Lerwick. 1932.

	All Days.			Quiet Days.			Disturbed Days.		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January	2·7	1·76	9·3	1·7	1·28	2·0	7·0	3·59	26·5
February	4·6	1·84	10·9	3·8	1·28	1·6	9·6	3·61	22·3
March	10·4	2·68	22·6	5·7	1·49	3·1	33·2	4·53	54·7
April	13·9	2·50	24·2	8·1	1·87	3·9	25·6	3·94	47·4
May	17·1	2·93	17·5	11·6	2·08	4·0	56·1	5·22	46·8
June	12·5	2·70	5·9	10·9	2·44	3·1	17·9	2·91	22·5
July	12·1	2·61	5·9	11·6	2·60	2·7	17·7	2·65	16·6
August	13·1	2·40	11·9	10·3	2·53	3·3	30·9	3·18	41·3
September	8·5	2·49	14·3	8·8	1·88	3·1	18·2	3·88	44·7
October	6·4	2·14	12·5	6·2	1·50	2·7	17·7	4·63	40·7
November	3·1	1·27	7·3	3·3	1·05	1·9	5·7	2·93	20·4
December	4·8	1·58	10·5	2·5	0·70	2·1	17·6	3·77	36·6
Year	7·9	2·09	12·3	6·5	1·59	1·6	18·4	3·08	33·9
Winter	3·6	1·51	9·4	2·6	1·00	1·5	8·4	3·10	26·2
Equinox	9·4	2·45	18·3	6·9	1·62	2·4	22·0	3·94	45·9
Summer	13·0	2·63	9·8	11·0	2·39	2·8	26·7	3·22	30·3

64. Lerwick. NON-CYCLIC CHANGE†. 1932.

	All Days.			Quiet Days.			Disturbed Days.		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January	+0·7	-0·03	+1·5	+1·3	-0·19	-1·2	- 7·9	-1·05	-17·1
February	0·0	+0·12	-1·9	+3·4	+0·14	+1·5	- 4·2	+0·08	-14·2
March	-1·3	-0·16	-2·0	+2·0	+0·65	+8·2	-38·0	-1·03	-28·3
April	+1·4	+0·03	+2·2	+9·5	+2·48	+24·7	-21·1	-4·41	-51·4
May	-0·2	-0·10	-0·4	+5·2	+0·14	+3·8	+ 2·5	-2·45	+16·4
June	+0·3	+0·05	+0·4	+3·2	-0·02	+0·7	- 2·4	+0·51	+ 5·7
July	0·0	-0·05	0·0	+2·8	+0·26	-1·8	-10·5	-0·63	- 8·3
August	-0·5	-0·01	-0·2	+1·6	+0·15	-0·2	-20·6	+0·49	-20·7
September	0·0	-0·10	-1·0	+5·8	-0·05	-1·8	- 7·4	+0·47	- 6·6
October	+0·3	-0·02	+0·7	+3·3	-0·79	+4·9	- 0·6	+0·69	+ 3·2
November	-0·3	-0·02	+0·8	+2·5	+0·64	+3·7	- 4·7	-0·53	- 3·6
December	+0·3	-0·11	+0·1	-0·6	+1·02	+2·1	- 4·4	-1·38	- 3·5
Year 1932	--	--	--	--	--	--	--	--	--

* See page 38

† See page

65. Lerwick. MEAN VALUES OF HR_H+VR_V (Unit $10,000\gamma^2$) 1932.

	HR_h	VR_v	Sum	Mean Character Figure
January	110	378	488	0·81
February	1111	438	549	0·83
March	257	808	1064	1·16
April	226	771	997	1·07
May	280	727	1007	1·03
June	119	289	408	0·63
July	116	250	366	0·58
August	169	526	694	0·74
September	141	567	708	0·93
October	125	486	611	0·94
November	67	257	324	0·63
December	110	402	512	0·74
Year 1932	153	492	644	0·84

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS.

(All days except those noted in monthly tables).

66. Lerwick. 1932.

Month.	North Component.	West Component.	Vertical Component.	Total Force.	Declination (West.)		Inclination (North.)		Horizontal Force.
	γ	γ	γ	γ	°	′	°	′	γ
January	14082	3478	46672	48874	13	52·3	72	44·1	14505
February	14079	3471	46629	48832	13	51·0	72	43·5	14501
March	14074	3464	46588	48791	13	49·7	72	43·1	14494
April	14074	3459	46590	48792	13	48·5	72	43·2	14493
May	14074	3453	46589	48791	13	47·2	72	43·3	14491
June	14084	3454	46601	48805	13	46·8	72	42·9	14502
July	14085	3451	46605	48809	13	46·0	72	43·0	14502
August	14081	3445	46603	48806	13	44·8	72	43·3	14496
September	14076	3438	46590	48791	13	43·5	72	43·5	14489
October	14074	3431	46594	48794	13	41·9	72	43·8	14487
November	14078	3428	46606	48806	13	41·2	72	43·8	14489
December	14074	3422	46623	48821	13	40·0	72	44·5	14484
Year 1932	14078	3450	46608	48809	13	46·1	72	43·5	14495

67. Lerwick. 1932.

January.

Date.			Month.
1	a	..	Cloudy, then fine
5	c	..	Cloudy after 17h 30m
6	a	..	Generally fine.
7	c	..	Overcast except for period 19h 30m - 20h 30m
8		♕	Faint glow until 19h 45m
11	a	..	Generally fair.
12	b	..	Rather cloudy.
13	b	..	Rather cloudy.
15	a	..	Variable cloud.
16	c,b	..	Moonlight. Overcast until 19h.
23	b	..	Moonlight.
24	b	..	" Rather cloudy
25		♕	Glow seen at 18h 45m
28	a	..	Rather cloudy.
29	b	..	Rather cloudy.
30	b	..	Rather cloudy.

February.

Date.			Month.
1	b	..	Cloudy
3		♕	Bright active aurora 18h 10m - 23h 20m
4		♕	Bright glow throughout evening.
6	a	..	Fine
7		♕	Glow throughout evening
8		♕	HA seen 22h-22h 7m, Cloudy
9		♕	Fair, Glow seen once (18h 25m)
10	b	..	Cloudy
11		♕	Cloudy, Rays seen at 21h 15m
12	b	..	Cloudy.
13	b	..	Cloudy.
14	b	..	Cloudy, moonlight
15	b	..	Fine, moonlight
19	b	..	Cloudy, moonlight
20	b	..	Cloudy, moonlight
22	b	..	Cloudy, moonlight
23		♕	Cloudy. Bright arc seen once at 19h 20m
24		♕	Cloudy. Bright arc seen once at 21h 45m
25	a	..	Fine
27	a	..	Cloudy-fine.
28	a	..	Fine.
29	c	..	Cloudy after 20h

March.

Date.			Month.
1	a	..	Rather cloudy.
4	c	..	Overcast after 20h
5		♕	Cloudy. Faint glow seen 19h 50m.
6		♕	Cloudy. Glow seen 20h 45m - 21h 20m
7		♕	Cloudy. Glow seen at 19h 20m and 21h 0m
8	b	..	Cloudy.
9		♕	Glow after 20h 50m
11	b	..	Cloudy
13	b	..	Cloudy, moonlight

March. (contd.)

Date.			Month.
14	b	..	Fine, moonlight
15	b	..	Cloudy, moonlight
17	b	..	Cloudy, moonlight
19	b	..	Fine, moonlight
20	b	..	Cloudy, moonlight
25	c	..	Overcast until 20h
26	b	..	Cloudy
27	c	..	Overcast until 20h
28		♕	Very cloudy. Bright patch seen 21h 50m and 22h 15m
29		♕	Very cloudy. Glow seen 21h 15m.
31		♕	Cloudy. Glow visible after 21h 15m.

April.

Date.			Month.
1		♕	Bright aurora throughout evening.
2	b	..	Cloudy.
3		♕	Glow 21h - 22h.
4		♕	Bright active aurora throughout evening.
5		♕	Cloudy. Bright aurora Seen 21h 5m.
6		♕	Cloudy. Glow seen 21h 30m
7		♕	Glow throughout evening
8	b	..	Very cloudy.
9	a	..	Generally fine
10		♕	Faint glow 21h - 22h
11	b	..	Cloudy
12	a	..	Rather cloudy
14		♕	Cloudy. Active aurora seen 21h to 21h 30m.
15	b	..	Fine, moonlight
16	b	..	Rather cloudy, moonlight
17	b	..	Cloudy, moonlight
18	b	..	" "
20	b	..	" "
21	b	..	" "
22	b	..	" "
23	b	..	" "
24	b	..	" "
26		♕	Rather cloudy. Glow seen at 21h.

August.

Date.			Month.
27		♕	Active aurora seen 23h 30m.

September.

Date.			Month.
1	a	..	Fine.
2	a	..	Fine.
3	c	..	Cloudy after 21h 30m
4		♕	Glow seen at 21h 30m
6		♕	Faint arc 21h 50m onwards
7		♕	Moderate aurora 21h 5m onwards.
8		♕	Faint arc visible throughout evening.

September. (contd.)

Date.			Month.
11	a	..	Generally fine
12	b	..	Cloudy, moonlight
14	c,b	..	" "
16	c,b	..	" "
18	b	..	Fine, moonlight.
19		♕	Cloudy. Rays seen once 21h 15m.
23		♕	Bright active aurora, first seen in twilight
26		♕	Moderate aurora.
27	c	..	Very cloudy, occasional breaks.
29		♕	Faint aurora 19h 50m onwards.
30		♕	Faint Glow seen 20h.

October.

Date.			Month.
2	a	..	Fine
3		♕	Cloudy, moderate aurora seen 21h and 21h 20m
4		♕	Cloudy, Glow from 18h onwards.
5	c,b	..	Very cloudy.
10	c,b	..	Very cloudy, moonlight
11	b	..	Cloudy, moonlight
14	b	..	" "
17	a	..	Fine.
18	a	..	Fine.
19	a	..	Fine.
20		♕	Cloudy, moderate aurora throughout evening.
21		♕	Moderate glow 19h 30m onwards.
22		♕	Cloudy, glow seen 22h.
23		♕	Cloudy, occasional glimpses of moderate aurora.
24		♕	Faint glow throughout evening.
25	a	..	Fine - rather cloudy
26		♕	Faint glow throughout evening.
27		♕	Faint aurora throughout evening.
28	a	..	Fine.
31	c	..	Fine after 19h 30m.

November.

Date.			Month.
4		♕	Rather cloudy, moderate aurora 19h 35m - 21h 15m

November. (contd.)

Date.			Month.
6	a	..	Fine.
9	c,b	..	Cloudy, moonlight
10	a	..	Fine, moonlight
11	b	..	Cloudy, moonlight
20	a	..	Fine
21	a	..	Fine
22	a	..	Fine
23	c	..	Fine until 20h.
24	a	..	Rather cloudy.
29	a	..	Cloudy.
30	a	..	Fine.

December.

Date.			Month.
1		♕	Faint aurora 18h 55m 21h 30m.
2		♕	Faint glow 18h, cloudy thereafter.
3	a	..	Variable cloud.
4	c,b	..	Rather cloudy.
5	a	..	Fine, moonlight
6	a	..	" "
7	c,b	..	Cloudy, moonlight
8	c,b	..	" "
9	a	..	Fine, moonlight
10	c,b	..	Cloudy, moonlight
11	b	..	" "
12	b	..	" "
13	c,b	..	" "
14	c,b	..	" "
16		♕	Cloudy, faint glow
20	a	..	Fine
22	a	..	Fine
25		♕	Moderate glow 19h 45m - 21h 5m.
28		♕	Faint aurora after 21h 30m, Cloudy before 20h.
30		♕	Faint glow 19h 45m 20h 30m.

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 = Aurora absent
- b = Bright aurora absent: faint one might have been missed (high cloud amounts and/or moonlight)
- c = Aurora absent when sky was clear, but observation impossible for considerable part of evening owing to cloud.
- c,b = Observation impossible for considerable part of evening: faint aurora might have been missed even during the remainder.

A full description is available of the auroral phenomena observed.

68. Other Scottish Stations. 1932.

Date.	Month.
	January.
6	G.C.; A. faint streamers extending up to about 45°.
7	D.; Braemar.
25	Duntulm.
	February.
3	B.
4	B.
8	B.
10	Stornoway, 22.15.;Tiumpanhead, 21.30 to 24.00
11	B.
12	Tiree.
	March.
2	Tiree.; Tiumpanhead, 19.30 to 24.00.
4	D.; Wick,; Stornoway, 22.00,; Tiree.
7	D.; G.C,; Auskerry, 22.00 to 03.00 on 8th.; Dunnet Head, between 21.00 and 24.00.; A, 21.00 to 24.00 arc 5° elevation, green-white, moderate to faint.; Eskdalemuir, glow.
8	D.; Leuchars, 20.10 to 20.40.; Noss Head, 01.30 to 04.30.; Eskdalemuir, glow.
10	Kirkwall ; Craibstone,21.00. ; Leuchars, 20.30.; Eskdalemuir, glow.
11	Stornoway,21.50.; Inchkeith.
	March. *(contd.)*
19	A. 03.10., glow and rays, White, elevation 10° - 15°, moderate, faint.
28	G.C.; Duntulm, bright.; A.20.00 to 22.00., arch, glow, rays, moderate bright,elevation of arc 35°, rays. to zenith.; Inverness, 21.00 to 24.00.; Stornoway, N.E. to W.N.W.; Craibstone, 21.00, N.W,10°-12° above horizon.
29	Duntulm, faint; Kirkwall.
30	Eskdalemuir.
31	G.C.; Eskdalemuir.
	April.
1	D.; Stornoway ; Dunnet Head, between 23.00 and 24.00.
2	Wick.; Pentland Skerries, 02.30.
3	D.; Wick ; Pentland Skerries, 24.00.
4	Wick ; G.C.; B, 23.00
7	G.C.; Duntulm.
16	B, 22.00.
24	G. C.
25	B. 24.00.
	May.
2	B.; Stornoway.; Tiumpanhead, vivid display from 22.00 to 02.00 of 3rd.
4	A.
5	G. C.; A.
8	A.
	June.
	Nil.
	July.
	Nil.
	August.
3	A.
4	A.
18	D.
27	Kirkwall.; Tiree.; Arbroath.; West Linton.; Paisley, beautiful display at 22.00.; Thankerton, streamers and curtain visible between 23.00 and 24.00 followed by glow, curtain remained in N.E. to E.quadrant.; Eskdalemuir.
28	Fair Isle North, 22.00 to 22.45.
	September.
6	Wick
7	Duntulm, bright.
14	Kettins.
23	Craibstone.
24	Auskerry, 22.00.; Tiumpanhead, 20.00 to 24.00.; Eskdalemuir.
25	Eskdalemuir.
26	Pentland Skerries, 23.45.
29	Duntulm.
	October.
20	Wick.; G.C.; A.arch.elevation 5°, yellow-green, 22.00 to 23.00.; Leuchars ;Eskdalemuir, glow.; Dunnet Head, 20.30 to 03.00 on 21st.
21	Stornoway.
22	Duntulm.
23	Kirkwall, 20.00.; A.arch, 23.30.; Wick ; Kirkwall, 20.00.; Tiumpanhead, 20.30 to 23.45.
27	Kirkwall.
29	Duntulm.
	November.
4	B.; Duntulm.
5	B.
16	Duntulm.
22	G. C.
	December.
1	B.
8	B.
14	B.; Stornoway.
15	Wick, 23.00.; A, after 18.00, glow, arch low in N.N.W, yellowish white.
16	Pentland Skerries, 00.30.; Kirkwall, 21.00.; Wick, 20.00.; G. C.
23	Wick, 23.00.
25	Pentland Skerries, 23.45, Wick, 24.00.
28	Pentland Skerries, 22. 55.; Wick, 23.00.
30	Wick, 22.00.; G. C.; Stornoway.

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. 360
(Aberdeen)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valentia Observatory), and Richmond (Kew Observatory), 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
1934

ABERDEEN OBSERVATORY.

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..	11·4*
Robinson Cup Anemograph	36*
Dines Tube Anemograph..	21

Heights in metres above ground.

Thermometer Bulbs, North Wall Screen	12·5
Sunshine Recorder	20·7
Robinson Cup Anemograph	23
Dines Tube Anemograph	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. Westwards is the High Street of the Old Town and beyond this there is another street. Further west grass pasture extends for about one kilometre. Southward are some open spaces beyond which the modern town is reached. The enclosure in which the Stevenson screen, the Beckley and check rain-gauges and the grass minimum thermometer are exposed, had its position changed in 1928 on account of the extension of the College buildings. Its position was, in previous years, about 50 metres to the north-east of the Observatory, but from the 1st June, 1928 and onwards, the site has been a new one, also to the north-east of the Observatory, but at a distance of approximately 180 metres. The height of this " station " above M.S.L. is 11·4 metres. The " North-wall " screen in which the recording thermometers are exposed is erected on the wall outside the north window of the uppermost storey of the Observatory. The nature of the soil and sub-soil is loam and sand.

Plans showing the position of the Observatory relative to the City of Aberdeen, and the general arrangement of the College Buildings, and also photographs, are given in the volume for 1928. The enclosure shown is that on the new site. A view of the old site will be found in the Introduction to *The Observatories' Year Book*, 1923.

Change of value adopted for height of Station above Mean Sea Level.—There have been one or two changes lately in the values adopted for the height of the Station above Mean Sea Level. Prior to 1st January, 1925, the value for the station level was 14·0 m., and that for the height of the barometer cistern was 26·8 m. As from

* These values differ slightly from those given in former years. See note above.

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 for the height of the barometer cistern. The change of site of the rain-gauge enclosure, referred to above, has further altered the value for the station level to 11·4 m. as from 1st June, 1928, but the height of the barometer cistern remains as before, viz. 26·0 m.

METEOROLOGY.

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

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

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

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

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

Rainfall.—The recording instrument in use is Beckley rain-gauge No. 2 with an area of 101·1 square inches (653 cm^2.). The procedure adopted in tabulating the records is similar to that described in the General Introduction and calls for no comment. Control was by check gauge M.O. 266 during the year 1932.

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. This instrument is accommodated inside the new large Stevenson screen at the new site. The hygrograph is now 13·2 metres below the level of the thermograph bulbs in the North-wall screen, and in using its records an appropriate adjustment is made.

* 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.

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 $\pm$·05 inches, focal length 2·95 $\pm$·01 inches). The exposure is excellent ; the only obstruction is a flagpole to the east, of angular diameter about 1°, which may obstruct 0·1 hr. record about 7h between April and September. This loss has been allowed for, whenever practicable, in tabulating the records. In computing the percentage duration of sunshine the actual possible values for each day of the year 1932 have been employed, a procedure similar to that adopted from 1926 onwards.

Wind Speed and Direction.—As it was not possible during the year to remove the pressure-tube anemograph to a satisfactory site, the values of wind speed for 1932 are tabulated from the records of the Robinson cup-anemograph, in continuance of the practice adopted from 1st July, 1930. The cup-anemograph values are corrected for the effect of exposure in accordance with the factors given in the Table on page 12 of the General Introduction. The cup-anemograph is mounted upon the roof of the Observatory building, its cups being at a height of 23 m. above the ground, and about 7 m. above the roof of the main tower of the building.

On the few occasions when the records of the cup-anemograph have been defective, the required values have been taken from the records of the pressure-tube instrument, and to these values appropriate exposure-factors have been applied. Values thus obtained are entered in italics, as are also the mean hourly values for the days in question.

In the tables showing " Highest instantaneous wind speed recorded each day by the Dines tube anemograph " (Table 151) and " Distribution of wind speed : extreme velocities as recorded by the Dines tube anemograph " (Table 152), the values entered for the *gusts* are those actually recorded by that instrument, but it must be remembered that these values are defective in that they are values recorded on a site whose exposure is known to have deteriorated considerably.

In Table 152 the values of distribution of wind speed for each month, and those of highest hourly wind are taken from the records of the Robinson cup-anemograph, corrected for the effect of exposure as explained above.

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.

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, and it is necessary to mention in this connexion that the thermometers were transferred at the end of March 1933 to another fresh site.

Minimum Temperature on the Grass.—The grass minimum thermometer is exposed in the enclosure on two wooden pegs about 4 cm. above grass. It is set at 18h and read at 7h, the reading being entered to the day of observation. The thermometer in use is M.O. 17944/27, and its readings require no correction.

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).

The term Nimbus is therefore now confined to "the ragged low cloud of bad weather," and the use of the designation "Nimbo-stratus" has been discontinued.

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 7 km.), 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 coast-line 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 roof ..	55 ,,	E.S.E.
C	Gate in North wall of Athletics ground	110 ,,	E.N.E.
D	East wall of Athletics ground, and trees along it ..	218 ,,	E.
E	(i.) Ventilator tops on Sunnybank School	550 ,,	S.W.
	(ii.) Pressure-tube Anemograph pole	ca.550 ,,	E.
F	Top of Kiln, Seaton Brickworks	1,100 ,,	N.E.
G	(i.) Turret of Salvation Army Citadel	1⅛ miles.	S.S.E.
	(ii.) Coastguard watch-tower	1⅛ ,,	N.E.
H	(i.) Girdleness lighthouse-top	2⅝ ,,	S.E.
	(ii.) Springhill House	2½ ,,	W.
I (i)	No object. Estimate between Strabathie Hill (3½ miles) and Brimmond Hill (5¼ miles).	(3½ ,,) (5¼ ,,)	N.N.E. N.W.
J (j)	No object. Estimate between Brimmond Hill (5¼ miles) and Sea horizon (10 miles).	(5¼ ,,) (10 ,,)	N.W. E.
K (k)	Sand-patch, mouth of Ythan River	12¼ ,,	N.N.E.
L (l)	Cruden Scaurs	18⅜ ,,	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 1932.

The following were the instruments actually in use during the year 1932:—

Standard Fortin Barometer	M.O. 1149
,, Dry Bulb Thermometer ..	M.O. 1698
,, Wet ,, ,, ..	M.O. 1697
Recording Beckley Rain-gauge	2
Control Rain-gauge	M.O. 266
Glass for ,, ...	M.O. 1657
Hair Hygrograph	M.O. 154/27
Campbell-Stokes Sunshine Recorder ..	M.O. 32
Robinson Cup Anemograph	M.O. 50
Dines Tube ,, ...	M.O. 1011
Earth Thermometers	M.O. 6, M.O. 11
Grass Minimum Thermometer	M.O. 17944/27

Review of Meteorological Results

Pressure.—Over the year pressure exceeded the normal by 0·8 mb. February, with an average pressure of 1034·4 mb., was a month of outstanding excess—nearly 24 mb. above the normal—while October, with an average pressure of 1000·7 mb. was slightly more than 10 mb below the normal. April and September showed defects of about 9 mb. and 7 mb. respectively, while August and December had excesses of about 6 mb. The range of pressure during the year was 74 mb.

The mean diurnal inequalities for the months, seasons and year have been analysed harmonically, with the results set out in the accompanying Table. The unit employed for the months is, as before, ·01 mb., that for the seasons and the year is ·001 mb., and the phase-angles are reduced 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.

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

The inequality is supposed to be given by the expression :—

$$c_1 \sin(15t^\circ + \alpha_1) + c_2 \sin(30t^\circ + \alpha_2) + \ldots\ldots$$

t being the time in hours since midnight.

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	
	1932	1871–1926	1932	1871–1926	1932	1871–1926	1932	1871–1926	1932	1871–1926	1932	1871–1926	1932	1871–1926	1932	1871–1926
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
January	·45	·094	319	171	·24	·227	152	151	·18	·130	337	355	·11	·054	196	221
February	·07	·156	258	176	·24	·270	133	149	·10	·104	348	355	·03	·026	64	96
March	·22	·164	139	158	·27	·295	141	151	·07	·052	341	336	·04	·031	45	35
April	·28	·153	135	155	·25	·284	153	151	·04	·019	253	188	·05	·044	6	359
May	·08	·098	186	135	·18	·237	147	143	·04	·059	161	163	·01	·022	278	329
June	·16	·057	201	104	·19	·219	142	141	·06	·065	151	155	·03	·008	273	331
July	·22	·089	112	137	·18	·208	138	144	·06	·068	143	159	·04	·013	314	345
August	·09	·112	149	162	·29	·232	132	145	·05	·041	117	167	·04	·029	311	336
September	·19	·119	121	146	·25	·287	153	148	·03	·027	84	342	·07	·053	350	339
October	·47	·155	232	183	·25	·274	181	149	·05	·075	37	349	·05	·027	33	20
November	·44	·132	118	197	·20	·229	168	152	·14	·103	8	354	·02	·014	161	172
December	·26	·164	167	169	·29	·211	123	146	·16	·122	356	356	·04	·051	195	204
Arithmetic Mean ...	·24		—	—	·24		—	—	·08		—	—	·04		—	—
Year	·110	·116	162	163	·227	·247	146	149	·040	·030	3	0	·008	·009	339	340
Winter	·038		151		·232		142		·140		351		·037		180	
Equinox	·190		170		·246		157		·024		354		·049		15	
Summer	·107		153		·209		139		·051		143		·025		301	

Note.—Winter comprises the four months January, February, November, December ; *Equinox* the months March, April, September, October ; and *Summer* May to August.

For the year the phase angles of all the four terms show a close approach to the average. The amplitude of the 24-hour term is almost equal to the average, that of the 12-hour term is somewhat less than the average, that of the 8-hour term is higher than the average, while that of the 6-hour term is almost equal to the average.

February, the month of highest average pressure, shows the smallest amplitude of the 24-hour term, while October, the month with lowest average pressure shows the highest amplitude of that term.

In the 12-hour term the spring maximum of amplitude is not so great as usual, while the autumn maximum, though of normal amplitude, occurs a month earlier than usual. The phase angles are less regular than usual, the largest departures from the averages occurring in October and December; while February and November also depart considerably from the normal.

The most marked feature in the 8-hour term is the strongly marked winter maximum. The change of the phase-angle in autumn is much less sharp than usual.

The 6-hour term conforms well to the normal throughout the year both in amplitude and phase-angle. The autumn maximum in amplitude is well marked.

Temperature.—The temperature over the year 1932 was 0·5°A above the normal. This was due chiefly to excesses in the winter months, January being 2·7°A, December 2·3°A, and February 1·7°A above the average. April was 1·3°A and October 1·0°A below normal. March was the coldest month of the year, though its average temperature was slightly above normal, and April was almost as cold as February. August, with an excess of 1·0°A was the warmest month of the year.

Rainfall.—The total rainfall for the year was 813 mm., which represents an excess of 65 mm. over the normal. The distribution of the rainfall throughout the year was very variable and, except in March, showed marked agreement with the pressure variations. February, with its very high pressure, had only 8 mm.—a deficiency of 44 mm. below the normal; October, with its very low pressure, had the large total of 169 mm., which was 93 mm. above the normal for that month. March, with 104 mm., an excess of 43 mm. over the normal—was the second wettest month, though its average pressure was a little higher than normal. With the exception of March and January, which latter month was almost normal in both pressure and rainfall, the months of excess pressure were months of deficient rainfall, while those of deficient pressure had excess rainfall.

Relative Humidity.—The present year resembles 1931 in respect of its high relative humidity, which exceeded the normal by over 2 per cent. The average value for the year was 82 per cent., whereas the normal value is 79·8 per cent. Every month had a relative humidity in excess of its normal value except June, whose value of 76·7 per cent. was 1·5 per cent. below the normal. Excesses of between 3 and 4 per cent. were shown in March, July, October and December, while May was 4·7 per cent. above normal. The year 1932 did not show any appreciable relation between the relative humidity and either the rainfall or the incidence of sunshine.

Sunshine.—The year 1932 was again a dull one, its average of 28 per cent. of the possible being only 1 per cent. higher than that of 1931, and, therefore, still 3 per cent. below the normal value. January, with 32 per cent. of the possible, had an excess of 11 per cent. over the normal, September with 36 per cent. was 4 per cent. above normal, and December with 19 per cent. had a small excess of 2 per cent. Of the other months, March with only 20 per cent. showed a loss of 12 per cent.; May, with 27 per cent., and July with 23 per cent., had deficits of 10 per cent. and 7 per cent. respectively. The high pressure of February was accompanied by much cloud, which caused a deficit of sunshine to the extent of 6 per cent. of the possible, while the wet month of October resulted in a loss of 5 per cent.

Wind.—The average wind velocity for the year was 4·3 m/s, which is exactly the same as that for the previous year. April, with 5·4 m/s, was the windiest month, and August with 3·1 m/s was the quietest month. There was thus a greater range from month to month than in 1931. Only one day of gale was recorded, and that was the 27th November.

Aurora.—Aurora was observed on 11 occasions, 7 in the earlier half of the year, 4 in the later half. Dates of occurrence will be found in the General Auroral Table.

General.—A dull and wet year with high relative humidity, but slightly warmer than normal. The winter months were markedly warmer than normal, spring and early summer were cool, late summer warm and autumn cool. Of the individual months, January was very warm and very bright; February warm, dull and very dry; March very dull and very wet; April windy, cool and wet; May dull; June dry; July dull and wet; August quiet, warm and rather dry; September wet but rather bright; October cool, dull and exceptionally wet; November dry; December warm, dry and rather bright.

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, 1932.

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	005·4	004·3	002·7	001·3	998·6	997·1	996·0	995·0	994·2	993·6	993·5	993·2	992·4	992·3	992·4	992·9	993·2	994·2	994·9	995·5	996·4	997·3	997·6	998·8	996·5
2	999·3	999·7	000·1	000·1	999·7	999·5	999·5	999·3	998·9	998·8	998·3	997·9	997·3	996·5	996·1	996·2	996·0	996·2	996·2	996·3	996·3	996·4	996·2	996·0	997·9
3	996·0	996·2	996·1	996·1	995·8	995·6	995·8	996·0	996·1	996·4	996·9	997·1	997·0	997·3	997·9	997·9	998·5	999·0	999·6	000·4	001·0	001·0	001·9	002·2	997·7
4	002·5	003·0	003·8	004·1	004·3	004·8	004·6	004·5	004·4	004·1	003·7	003·4	002·0	000·9	000·1	999·3	997·2	995·2	993·0	991·3	990·9	991·2	991·1	991·8	999·9
5	994·2	996·1	997·3	997·9	998·7	999·3	999·2	999·0	998·4	997·7	995·5	992·4	989·3	986·8	983·9	982·8	981·5	981·9	982·6	983·2	984·0	984·1	984·1	983·8	990·7
6	983·4	982·8	982·4	981·9	981·2	980·2	979·8	979·3	979·0	978·1	977·5	975·5	974·1	973·0	972·1	971·7	970·8	970·5	970·6	971·0	972·1	973·9	974·9	975·7	976·5
7	977·2	978·3	978·8	979·8	980·3	981·0	982·1	982·7	983·2	983·6	983·7	983·7	983·8	983·8	983·5	983·5	983·4	983·5	983·4	983·4	984·0	983·9	984·0	984·1	982·3
8	985·1	986·3	987·6	988·4	989·5	990·7	991·8	992·7	994·0	995·5	996·4	996·5	996·7	996·8	997·2	997·5	997·5	997·6	997·7	997·5	997·4	997·1	996·8	996·7	993·9
9	996·5	996·2	996·1	995·7	995·3	995·0	994·4	994·2	993·5	992·9	992·6	991·5	989·8	988·9	986·9	985·5	983·4	981·7	980·3	978·8	977·9	977·0	977·5	977·2	988·7
10	977·3	977·3	977·3	976·5	976·1	975·3	974·7	974·8	975·3	975·4	975·7	975·3	975·1	974·8	974·7	974·2	974·1	973·6	973·5	973·7	973·5	973·3	973·2	973·4	975·0
11	974·6	975·2	975·7	976·5	976·6	977·1	977·7	979·0	980·1	981·0	981·4	981·7	982·3	983·4	984·0	985·5	986·6	987·7	988·7	989·8	991·1	992·2	993·3	994·1	982·7
12	995·2	996·1	996·7	997·4	998·2	998·8	999·5	000·1	000·8	001·0	000·9	000·5	000·2	999·8	999·6	998·7	997·8	997·0	996·4	994·0	992·6	991·4	989·4	987·5	997·2
13	985·7	984·4	981·8	981·2	979·0	976·9	975·4	975·9	976·8	976·6	976·3	975·1	974·6	976·6	981·7	985·1	987·1	989·3	989·6	990·4	990·3	990·2	989·5	990·2	982·4
14	992·0	994·6	995·9	997·9	998·7	999·5	000·5	000·7	001·0	000·9	000·0	999·0	997·3	997·6	997·3	995·8	995·3	994·4	993·6	992·9	992·3	991·7	990·2	989·1	996·2
15	988·7	987·7	988·3	989·7	991·0	992·6	993·7	995·0	996·2	997·1	998·5	000·2	999·9	001·0	002·5	003·2	004·1	004·9	004·6	004·5	004·2	002·5	000·5	997·9	997·7
16	995·9	995·6	995·9	995·9	996·0	995·8	995·0	995·6	995·6	995·5	995·4	994·4	993·7	993·2	990·4	990·6	990·6	990·1	990·3	991·5	992·9	994·7	995·8	996·2	994·1
17	996·6	997·0	998·2	998·8	999·2	000·9	002·4	003·6	005·5	006·2	007·4	007·5	007·4	007·2	006·6	006·4	005·7	006·0	004·5	003·3	003·6	004·5	004·2	004·1	003·5
18	003·2	002·6	003·4	003·5	003·7	004·4	004·5	004·9	006·0	007·5	008·5	009·3	010·2	009·8	010·6	011·6	012·5	013·0	013·4	013·6	013·8	013·8	013·7	014·3	008·6
19	014·4	014·9	015·6	015·6	015·6	015·6	015·3	015·5	015·6	016·1	016·1	016·2	016·2	016·6	017·6	017·8	018·1	019·8	021·0	021·9	022·9	023·2	023·4	023·4	017·7
20	023·7	023·8	023·7	023·8	023·8	023·9	024·0	024·4	024·2	024·5	024·7	024·2	023·4	023·2	023·1	022·9	022·7	022·9	022·4	021·7	021·3	020·9	020·5	019·9	023·1
21	019·7	019·2	018·9	018·6	018·3	017·5	017·3	017·4	017·4	016·9	016·8	015·7	014·6	014·4	013·8	013·6	014·1	014·7	014·5	014·4	014·0	014·4	015·4	016·1	016·2
22	016·8	017·4	018·2	019·1	019·6	020·2	021·1	021·8	022·8	023·7	024·5	024·8	024·7	025·5	026·4	026·7	027·1	028·0	028·3	028·9	029·2	029·3	029·0	029·3	024·0
23	029·1	028·8	028·6	028·8	028·7	028·3	027·8	027·9	027·9	028·7	029·1	029·1	028·4	027·9	027·5	028·1	028·6	029·0	029·5	030·0	029·9	029·9	029·9	029·9	028·8
24	030·1	029·9	029·5	029·3	029·2	028·5	028·1	027·9	028·0	027·5	027·0	026·8	026·2	025·2	024·6	024·1	023·7	022·7	022·5	022·8	022·5	023·3	024·3	025·8	026·3
25	026·8	027·8	029·1	030·1	031·4	032·8	033·8	034·3	035·6	036·3	037·1	037·3	037·7	038·1	038·3	038·9	039·8	040·5	041·0	041·4	041·9	042·2	042·4	042·5	036·2
26	042·1	041·6	041·6	041·2	041·1	041·2	041·0	041·2	041·0	041·1	041·0	040·1	039·7	039·1	038·7	038·7	038·4	038·3	038·3	038·2	038·3	038·1	038·0	038·0	039·9
27	037·6	037·5	036·9	036·1	035·9	035·8	036·2	036·0	036·0	036·0	035·9	035·7	035·0	034·1	034·1	034·0	033·8	033·5	033·4	033·3	033·2	032·9	032·6	032·0	035·0
28	031·9	030·9	030·6	029·8	029·5	029·2	028·8	028·8	028·0	028·0	027·9	027·8	026·6	025·4	024·5	024·3	023·9	023·6	023·0	022·9	022·9	022·9	022·4	021·7	026·7
29	020·9	020·5	020·1	019·4	019·2	018·6	018·8	020·4	021·7	022·8	022·5	023·7	023·9	024·4	024·7	025·4	026·0	026·9	027·5	028·0	028·3	028·5	028·9	029·5	023·6
30	029·8	029·9	030·1	030·4	031·0	031·2	031·8	033·0	033·6	034·2	034·9	035·2	035·3	035·5	035·7	036·2	037·1	037·5	037·8	037·9	038·0	038·1	038·3	038·2	034·4
31	038·1	038·0	037·8	037·5	037·4	037·1	036·8	036·7	037·0	037·1	037·1	036·5	035·9	035·7	035·5	035·5	035·5	035·4	035·5	035·5	035·4	035·3	034·9	034·4	036·4
Mean (Station Level)	1006 ·77	1006 ·89	1007 ·06	1007 ·17	1007 ·18	1007 ·24	1007 ·34	1007 ·66	1007 ·99	1008 ·22	1008 ·28	1007 ·98	1007 ·44	1007 ·25	1007 ·16	1007 ·25	1007 ·23	1007 ·37	1007 ·31	1007 ·36	1007 ·49	1007 ·59	1007 ·55	1007 ·54	1007 ·41
Mean (Sea Level)	1009 ·99	1010 ·11	1010 ·28	1010 ·40	1010 ·41	1010 ·47	1010 ·57	1010 ·89	1011 ·22	1011 ·44	1011 ·50	1011 ·19	1010 ·64	1010 ·46	1010 ·36	1010 ·45	1010 ·43	1010 ·59	1010 ·53	1010 ·57	1010 ·70	1010 ·81	1010 ·77	1010 ·76	1010 ·63

70. Aberdeen: H_b = 26·0 metres. February, 1932.

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	034·0	033·9	033·4	033·1	033·0	033·0	033·1	033·2	033·1	033·2	033·6	033·6	033·7	033·9	034·5	034·6	034·8	035·5	035·6	035·7	035·7	035·7	035·8	036·0	034·2
2	035·7	035·0	034·8	034·7	034·2	034·0	033·6	033·7	033·5	033·5	033·4	033·0	032·5	031·9	031·7	031·6	031·2	031·2	030·7	030·3	029·8	029·7	029·4	029·3	032·6
3	029·2	029·3	029·1	029·0	029·0	029·2	029·8	029·9	030·0	030·2	030·3	030·8	031·0	031·0	030·9	030·9	030·9	031·0	031·0	031·2	031·2	031·1	031·0	031·0	030·3
4	030·9	030·7	030·5	030·3	030·1	029·9	029·9	030·0	030·1	029·9	029·9	029·8	029·8	029·8	029·5	029·5	029·3	029·1	028·9	028·9	028·8	028·8	028·7	028·5	029·7
5	028·4	028·3	028·3	028·0	027·9	027·9	028·0	028·1	028·3	028·4	028·6	028·3	028·2	028·1	027·6	027·6	027·6	027·8	027·8	027·8	027·9	027·9	027·8	027·8	028·0
6	027·5	027·4	027·2	026·8	026·7	026·5	026·6	026·8	026·8	026·7	026·6	026·2	025·9	025·2	024·7	024·6	024·5	024·4	024·3	024·2	024·0	023·7	023·5	023·2	025·7
7	023·1	022·9	022·4	022·2	022·3	022·4	022·6	022·8	023·1	022·9	023·0	023·0	022·4	022·5	022·7	022·8	023·1	023·7	024·2	024·4	024·6	024·7	024·8	025·0	023·2
8	024·8	024·4	024·1	023·9	023·5	022·9	022·2	021·9	021·8	021·5	021·2	021·1	021·2	021·3	021·4	021·4	021·4	021·8	022·1	022·7	023·0	023·2	023·7	024·0	022·5
9	024·1	024·1	024·2	024·3	024·3	024·4	025·0	025·5	025·7	026·0	026·2	026·4	026·4	026·5	026·4	026·5	026·7	027·0	027·0	027·1	027·2	027·7	028·9	030·2	026·0
10	031·2	031·7	033·0	033·8	034·5	035·1	036·2	037·1	037·4	038·3	039·1	039·3	039·7	039·9	040·1	040·3	040·4	040·4	040·6	040·5	040·2	039·8	039·5	039·5	037·6
11	039·2	038·6	038·2	037·6	036·9	036·3	035·3	034·9	034·8	034·7	034·8	034·6	033·9	033·4	033·7	033·6	033·3	033·5	033·4	033·3	033·1	032·8	032·6	032·5	034·9
12	032·6	032·5	032·4	032·4	032·4	032·5	032·9	033·0	033·3	033·5	033·8	033·5	033·1	032·9	032·8	032·4	032·3	032·7	032·5	031·7	031·0	030·8	030·3	029·9	032·4
13	029·3	028·8	028·2	027·9	027·7	026·8	026·4	026·5	026·8	026·7	026·8	026·7	026·4	026·3	026·3	026·4	026·6	027·2	027·2	027·0	026·9	027·0	027·0	027·2	027·1
14	027·3	027·2	027·2	027·3	027·5	027·7	028·5	028·8	029·3	029·5	029·8	030·0	029·8	029·8	029·9	030·1	030·1	030·2	030·4	030·4	030·7	031·0	031·1	031·2	029·3
15	031·3	031·4	031·3	031·6	032·2	032·3	032·3	032·7	032·9	032·7	032·8	032·8	032·6	032·6	032·8	032·9	033·0	033·7	033·8	033·9	034·0	034·1	034·3	034·5	032·8
16	034·7	034·8	034·8	035·1	035·4	035·6	035·9	036·3	036·5	036·5	036·6	036·5	036·3	035·9	035·6	035·8	036·3	036·5	036·7	036·4	036·4	036·2	036·2	036·2	035·9
17	036·3	036·3	036·3	036·3	036·3	036·4	036·6	036·7	037·0	037·1	037·2	037·2	036·5	036·3	036·0	036·0	036·1	036·0	036·4	036·4	036·4	036·4	036·2	036·0	036·4
18	035·9	035·4	035·3	035·2	035·5	035·5	035·7	036·0	036·0	036·1	036·2	035·6	035·4	035·1	034·3	034·0	034·2	034·1	034·5	034·8	034·9	034·9	034·7	034·6	035·2
19	034·7	034·4	034·0	034·0	034·1	033·5	033·5	033·9	034·5	035·2	035·7	035·9	036·2	036·6	037·0	037·0	037·3	037·9	038·4	038·8	039·7	040·1	040·6	041·3	036·3
20	041·8	042·1	042·4	042·5	042·7	043·2	043·3	043·6	043·9	044·3	044·4	044·3	043·6	043·0	042·4	042·1	041·6	041·4	041·2	040·9	040·7	040·2	039·7	039·3	042·3
21	038·9	038·1	037·4	036·8	036·3	035·8	035·2	034·6	034·5	033·5	033·0	032·2	031·9	031·0	030·4	030·0	029·6	029·6	029·6	029·6	029·6	029·7	029·5	029·5	033·0
22	029·4	029·3	029·3	028·9	029·2	029·4	029·9	030·5	030·8	030·8	030·9	030·8	030·7	030·5	030·2	030·5	030·0	029·6	029·2	028·9	028·9	028·7	028·5	028·6	029·7
23	028·5	028·1	027·5	027·2	026·5	025·9	025·7	025·7	025·2	024·7	023·9	023·2	022·6	022·2	021·4	019·9	019·3	020·0	019·0	018·7	018·8	019·5	020·1	021·0	023·3
24	021·0	021·1	021·2	021·4	021·8	022·1	022·7	023·2	023·9	024·3	024·7	024·8	024·5	024·6	025·1	025·2	025·4	026·1	026·2	026·5	027·1	027·4	027·8	027·9	024·3
25	028·2	028·5	028·5	028·2	028·2	028·2	028·3	028·6	028·6	029·2	028·9	028·5	028·5	028·3	028·1	027·8	027·6	028·5	028·4	028·2	028·0	027·5	027·2	026·8	028·2
26	026·7	026·8	026·2	026·1	026·2	026·3	026·8	026·8	027·0	027·2	027·3	027·3	027·4	027·5	027·5	027·9	027·9	028·5	028·7	028·7	028·6	028·8	028·7	028·9	027·5
27	029·1	029·1	028·9	028·7	028·8	029·1	029·8	030·1	030·9	031·4	032·3	032·5	032·5	032·6	033·3	033·4	034·0	034·6	034·9	035·3	035·6	035·7	035·7	035·8	032·1
28	035·8	035·8	035·7	035·8	035·8	035·8	036·0	036·4	036·8	037·3	037·5	037·5	037·4	036·8	036·7	036·5	036·6	037·0	037·1	037·1	037·1	037·1	037·0	036·9	036·6
29	037·0	036·5	036·4	036·1	036·2	036·2	036·2	036·3	036·3	036·1	036·0	035·8	035·0	034·7	034·1	033·6	033·3	033·2	033·1	032·6	032·3	032·1	031·9	031·6	034·8
Mean (Station Level)	1031 ·26	1031 ·12	1030 ·97	1030 ·87	1030 ·87	1030 ·82	1030 ·97	1031 ·16	1031 ·34	1031 ·43	1031 ·53	1031 ·42	1031 ·21	1031 ·04	1030 ·93	1030 ·86	1030 ·84	1031 ·11	1031 ·13	1031 ·11	1031 ·11	1031 ·11	1031 ·12	1031 ·19	1031 ·11
Mean (Sea Level)	1034 ·57	1034 ·43	1034 ·28	1034 ·18	1034 ·18	1034 ·13	1034 ·28	1034 ·47	1034 ·64	1034 ·73	1034 ·83	1034 ·71	1034 ·50	1034 ·32	1034 ·22	1034 ·14	1034 ·12	1034 ·41	1034 ·43	1034 ·41	1034 ·42	1034 ·42	1034 ·43	1034 ·50	1034 ·41
Hour G. M. T.	1.	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.

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, 1932.

Hour G. M. T.	1.	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	031·2	030·6	030·1	029·5	029·2	029·0	029·0	028·9	028·8	028·4	028·3	027·9	027·2	026·3	025·9	025·3	024·8	024·6	024·0	023·6	023·0	022·2	021·8	021·2	026·9
2	020·9	020·5	019·8	019·3	018·8	018·5	018·4	018·2	017·8	017·6	017·3	016·9	016·3	015·7	015·3	014·7	014·5	014·6	014·1	014·0	013·9	013·8	013·5	013·0	016·7
3	012·8	012·6	012·3	012·0	012·2	012·3	012·4	012·6	012·9	013·2	013·3	013·0	012·7	012·7	012·7	012·8	013·1	013·5	013·8	013·9	014·1	014·2	014·3	014·2	013·0
4	014·3	014·3	014·3	014·2	014·2	014·3	014·1	014·4	014·4	014·1	013·9	013·4	012·3	011·3	010·5	009·8	008·9	008·2	007·9	007·0	006·5	005·5	004·5	003·3	011·3
5	002·1	001·1	999·7	998·4	997·1	996·5	995·8	994·6	993·6	992·5	991·8	990·8	989·3	988·6	988·3	988·3	987·6	987·9	988·0	987·4	986·6	986·0	985·7	985·7	992·2
6	985·6	985·1	985·2	985·8	986·2	986·1	986·4	987·0	987·2	987·5	987·9	988·1	988·4	988·8	989·2	990·0	990·2	991·0	991·0	991·0	990·9	991·4	992·5	993·0	988·4
7	994·8	995·9	996·7	997·4	998·5	999·1	999·9	000·2	000·7	000·8	000·5	000·3	999·8	999·4	998·3	997·8	997·5	997·8	997·8	998·0	998·3	998·9	999·3	999·7	998·5
8	000·2	000·6	001·0	001·5	001·9	002·3	003·1	003·5	003·8	004·4	004·8	004·9	005·4	005·8	006·2	006·5	007·0	007·7	008·6	009·1	009·7	010·6	011·0	011·5	005·2
9	011·9	012·3	012·8	013·0	013·3	013·7	013·9	014·1	014·1	014·0	014·5	014·1	013·5	013·3	012·9	012·9	012·8	012·8	012·6	012·7	012·7	012·6	012·5	012·4	013·1
10	012·2	011·9	011·3	011·0	010·8	010·7	010·5	011·0	011·2	011·3	011·3	011·3	011·0	011·4	011·0	010·9	010·8	011·4	011·4	011·2	011·3	011·5	011·8	012·5	011·3
11	013·1	013·8	014·4	015·3	015·9	016·7	017·6	018·4	019·0	019·6	020·1	020·5	020·5	020·7	020·7	021·0	021·3	021·2	021·4	021·4	021·4	021·3	021·2	021·0	019·2
12	020·2	019·0	018·3	017·5	017·0	016·1	015·0	014·7	014·2	014·3	015·1	015·6	016·4	016·7	016·8	016·9	017·2	017·8	018·0	018·0	018·0	018·0	017·4	017·0	017·0
13	016·8	016·4	015·7	015·1	014·6	014·4	014·2	014·1	013·7	013·9	014·1	014·2	014·3	014·3	014·5	014·7	014·8	014·8	015·0	015·3	015·4	015·4	015·3	015·0	014·9
14	015·1	014·9	014·7	014·6	014·6	014·6	015·1	015·6	016·0	016·4	016·8	017·4	017·8	018·1	018·6	019·6	020·1	021·3	021·8	022·3	022·9	023·5	023·9	024·1	018·1
15	024·4	024·2	024·2	024·1	024·2	024·4	024·6	024·7	025·1	024·3	024·4	024·0	023·6	023·0	022·7	022·5	022·3	022·3	022·5	022·4	021·9	021·9	021·9	021·6	023·4
16	021·3	020·8	020·5	020·3	020·1	019·9	019·8	019·8	019·7	019·6	019·5	019·4	019·1	018·6	018·5	018·3	018·3	018·3	018·5	018·6	018·7	018·8	018·8	018·8	019·4
17	018·8	018·8	018·7	018·6	018·6	018·6	018·6	018·7	018·9	018·7	018·7	018·6	018·6	018·2	018·2	018·1	018·3	018·8	018·9	018·9	018·9	019·0	019·2	019·4	018·7
18	019·4	019·3	019·2	019·4	019·2	019·1	019·2	019·2	019·1	019·1	019·2	019·3	019·3	019·3	019·6	019·6	019·9	020·3	020·7	020·9	020·9	020·8	020·8	020·8	019·7
19	020·6	020·3	019·6	019·2	019·0	018·8	018·8	018·8	018·5	018·6	018·5	018·3	018·0	017·8	017·7	017·9	018·3	019·0	019·5	020·0	020·6	020·8	021·1	021·5	019·2
20	021·4	021·5	021·6	021·6	021·9	022·1	022·4	022·5	022·8	022·9	022·4	021·9	021·6	021·3	021·0	020·4	020·4	020·0	019·6	019·2	018·8	018·4	018·3	018·1	021·0
21	017·8	017·3	017·0	016·9	016·9	016·9	017·0	017·2	017·4	017·8	018·0	018·3	018·6	018·8	018·9	019·2	019·6	020·1	020·2	020·3	020·3	020·3	020·4	020·2	018·5
22	020·1	019·6	018·9	018·3	017·6	017·3	016·8	016·6	016·5	016·4	016·2	016·0	015·9	015·4	015·1	015·0	014·7	014·8	014·9	015·1	015·3	015·4	015·4	015·4	016·5
23	015·2	015·0	014·8	014·3	013·6	013·6	013·6	013·7	014·2	015·0	015·3	015·4	015·5	015·5	015·5	015·4	015·8	016·2	016·3	016·4	016·7	016·6	016·5	016·2	015·2
24	015·7	015·6	015·4	014·9	014·6	014·5	014·7	014·9	014·9	014·3	014·0	013·7	013·4	013·6	012·2	011·5	011·1	010·9	010·6	010·4	009·8	009·3	008·8	008·5	013·0
25	008·1	007·6	007·2	006·9	006·6	006·5	006·5	006·6	006·6	006·3	006·1	005·7	005·4	005·0	004·9	004·7	004·7	004·7	004·7	004·9	004·9	005·0	004·9	004·9	005·9
26	005·0	004·9	004·9	004·8	004·7	004·8	005·4	005·7	006·1	006·6	006·7	006·9	007·1	007·2	007·0	006·9	006·8	007·0	007·0	007·0	007·2	006·7	006·4	005·5	006·2
27	005·0	004·1	003·3	002·4	001·5	001·0	000·0	999·5	999·0	998·3	997·8	997·3	996·5	995·9	995·1	994·9	994·6	994·3	994·1	993·6	993·0	992·4	991·8	990·8	997·7
28	989·9	989·3	988·4	987·6	986·6	985·9	985·7	985·2	985·1	984·9	984·6	984·3	984·2	984·1	984·1	984·0	984·2	984·8	985·3	985·8	986·6	986·8	987·0	987·6	986·0
29	987·6	987·9	987·9	988·1	988·3	988·6	989·0	989·3	989·4	989·5	989·9	989·6	989·3	989·0	988·2	988·0	987·7	987·4	987·1	986·9	986·6	985·8	985·6	984·7	988·0
30	984·1	983·5	982·6	981·7	981·0	980·3	979·3	978·8	977·8	977·1	977·0	976·9	977·1	977·1	977·4	977·5	978·0	978·6	978·8	979·0	979·4	979·6	979·9	980·1	979·4
31	980·1	980·1	979·9	980·5	981·6	983·0	985·2	986·3	988·0	989·9	991·5	992·1	992·2	992·7	994·0	994·6	995·1	996·2	997·0	997·6	998·0	998·1	998·6	998·5	990·1
Mean (Station Level)	1009 ·86	1009 ·64	1009 ·37	1009 ·17	1009 ·17	1009 ·02	1009 ·10	1009 ·19	1009 ·24	1009 ·27	1009 ·34	1009 ·23	1009 ·04	1008 ·89	1008 ·74	1008 ·70	1008 ·72	1008 ·98	1009 ·07	1009 ·09	1009 ·11	1009 ·05	1009 ·04	1008 ·91	1009 ·14
Mean (Sea Level)	1013 ·11	1012 ·89	1012 ·62	1012 ·42	1012 ·29	1012 ·27	1012 ·34	1012 ·43	1012 ·48	1012 ·50	1012 ·56	1012 ·45	1012 ·26	1012 ·11	1011 ·96	1011 ·92	1011 ·95	1012 ·21	1012 ·30	1012 ·33	1012 ·35	1012 ·29	1012 ·28	1012 ·16	1012 ·37

72. Aberdeen: H_b = 26·0 metres. April, 1932.

Hour G. M. T.	1.	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	998·4	998·1	997·9	997·6	996·9	996·5	995·8	995·0	994·3	993·8	992·6	991·2	989·0	987·4	986·1	985·4	985·0	984·8	984·7	984·3	983·8	983·4	982·9	982·7	990·6
2	982·3	981·9	981·3	981·2	981·0	980·8	980·6	980·8	980·8	981·1	981·2	981·0	981·4	981·5	981·4	981·4	981·7	981·9	981·7	981·6	981·4	981·4	981·5	981·7	981·4
3	981·9	982·6	983·1	984·2	985·2	986·7	987·7	988·7	990·0	991·3	992·3	993·1	993·7	994·3	994·6	995·3	995·9	996·4	997·2	997·4	997·9	998·0	998·3	998·7	991·5
4	998·8	998·9	999·0	999·2	999·8	000·0	000·0	000·6	000·8	001·1	001·5	001·5	001·4	001·7	001·9	002·1	002·4	003·0	003·4	003·7	004·0	004·2	004·3	004·3	001·5
5	004·1	004·0	003·9	003·5	003·0	002·6	002·0	001·9	001·6	001·2	000·9	000·4	000·1	999·7	999·3	999·2	998·9	998·3	997·9	997·3	996·6	995·7	995·1	994·2	000·3
6	993·3	992·5	991·7	990·2	989·1	987·7	986·2	984·8	983·8	983·4	983·1	983·1	982·6	981·9	981·6	980·6	980·0	979·4	978·8	978·2	977·2	976·0	975·0	974·8	983·5
7	974·4	973·9	973·8	973·9	974·4	974·6	975·6	975·9	976·4	976·6	977·0	977·4	977·6	978·0	978·1	978·2	978·7	980·7	982·0	983·7	985·5	986·9	988·4	990·2	978·5
8	991·7	992·8	994·2	995·5	996·5	998·0	999·7	001·6	002·8	004·0	005·1	006·4	007·9	008·3	009·7	010·0	010·6	011·2	011·7	012·3	012·6	012·5	012·2	011·6	004·5
9	010·3	009·0	007·4	005·4	003·9	001·6	999·1	996·7	994·5	992·8	992·2	990·6	989·3	988·2	987·5	986·6	985·9	985·1	984·2	983·6	982·5	981·1	979·9	979·0	993·0
10	977·6	976·2	975·4	974·3	973·6	972·7	972·3	972·1	972·1	971·2	971·1	971·0	972·5	973·4	974·1	975·3	976·2	977·5	978·4	979·2	979·3	979·5	979·7	980·3	975·2
11	981·2	981·9	982·5	983·3	984·5	986·7	988·6	989·6	991·3	992·5	994·1	995·5	996·3	997·1	998·5	999·8	001·4	002·6	003·3	004·4	005·0	005·9	006·2	006·4	994·4
12	006·5	006·6	006·9	007·6	008·6	009·8	011·3	011·5	013·3	014·3	014·9	015·9	016·7	017·7	018·9	019·6	020·9	022·2	022·9	024·0	024·3	024·4	024·8	024·8	015·8
13	024·4	024·5	024·6	024·5	024·4	023·9	023·5	023·0	022·3	021·7	020·8	019·9	019·4	018·6	017·8	016·7	015·8	015·0	014·1	013·4	012·4	011·5	010·5	009·2	019·2
14	008·4	007·4	006·5	005·4	004·9	004·5	004·2	004·0	003·6	003·5	003·5	003·2	003·2	003·1	003·2	003·1	003·1	003·7	003·9	004·5	005·1	006·0	006·6	007·3	004·7
15	008·0	008·3	008·9	009·5	010·2	011·0	012·0	013·1	013·8	014·8	015·5	015·9	016·5	016·8	017·1	017·5	018·0	018·7	019·2	019·7	020·0	020·6	020·8	021·0	015·0
16	021·0	021·0	020·8	020·8	020·8	020·9	021·1	021·2	021·2	021·3	021·4	021·2	021·3	021·3	021·2	021·2	021·3	021·5	021·8	022·1	022·3	022·2	022·1	022·0	021·4
17	021·9	021·8	021·7	021·5	021·3	021·1	021·0	021·2	020·8	020·6	020·1	019·8	019·5	019·2	019·0	018·9	018·8	019·2	019·0	019·3	019·4	019·3	019·1	019·0	020·2
18	018·9	018·5	018·2	018·1	018·0	017·9	017·8	017·7	017·5	017·4	017·4	017·3	017·0	016·6	015·9	015·4	014·6	014·4	014·2	014·0	013·5	012·8	012·2	011·5	016·3
19	011·1	010·4	009·3	008·6	008·0	007·4	006·9	006·0	005·5	004·9	004·1	003·7	002·6	001·8	000·5	999·8	998·8	997·7	997·1	996·8	996·3	995·5	994·6	994·3	002·9
20	993·6	992·8	992·5	992·1	991·9	991·8	991·9	991·8	991·6	991·6	991·6	991·5	991·5	991·0	990·9	991·0	991·1	991·6	991·9	992·3	992·7	993·1	993·1	993·4	992·0
21	993·8	994·0	994·0	994·3	994·8	995·4	995·9	996·3	996·7	997·2	997·6	997·9	998·3	998·4	998·5	998·5	999·0	999·4	999·5	999·9	000·0	999·9	000·0	999·9	997·3
22	999·8	999·6	999·4	999·3	999·2	999·2	999·1	999·1	998·7	998·6	998·5	998·2	997·9	997·6	997·0	996·5	995·8	995·3	995·2	994·9	994·5	993·9	993·1	993·2	997·4
23	992·7	992·5	992·6	992·5	992·7	993·1	993·4	993·9	994·3	994·7	994·6	994·5	994·4	994·6	994·8	994·7	994·3	996·8	999·9	001·2	002·4	002·8	003·5	003·8	995·8
24	004·7	005·3	006·2	006·8	007·2	007·6	008·5	009·0	009·2	009·7	009·5	009·5	009·3	009·0	008·4	008·2	007·8	007·2	006·9	007·2	007·0	007·9	008·3	008·4	007·8
25	008·6	008·9	008·9	009·3	009·7	009·9	010·8	010·7	011·0	010·5	010·2	010·3	010·4	010·2	009·9	009·6	009·3	009·3	008·7	008·6	008·4	008·0	007·5	006·9	009·4
26	006·4	005·8	005·0	004·2	003·1	002·5	002·0	001·9	001·8	001·6	001·7	001·3	001·7	001·5	001·8	001·7	001·9	002·4	002·6	003·3	003·5	003·7	003·7	003·8	002·9
27	004·1	004·2	004·4	004·6	005·0	005·3	005·5	005·5	005·6	005·5	005·8	006·0	006·0	006·1	005·9	005·8	005·7	005·6	005·7	005·8	005·7	004·7	004·6	004·4	005·3
28	004·0	003·4	002·6	002·2	001·8	001·7	001·3	001·3	001·2	001·2	001·1	001·0	000·8	000·6	000·6	000·5	000·4	000·8	000·5	000·3	000·2	000·2	000·0	999·9	001·2
29	999·4	999·1	998·7	998·5	998·4	998·6	998·8	999·2	999·4	999·6	999·9	000·3	000·9	001·2	001·6	001·9	002·1	003·1	003·3	003·7	004·4	004·6	005·0	005·1	001·0
30	005·0	004·8	004·8	004·9	004·7	004·8	004·9	005·3	005·3	005·4	005·5	005·5	005·8	006·1	006·2	006·4	006·5	007·2	007·8	008·7	009·3	009·7	009·9	010·1	006·3
Mean (Station Level)	1000 ·88	1000 ·69	1000 ·54	1000 ·43	1000 ·42	1000 ·48	1000 ·58	1000 ·65	1000 ·71	1000 ·77	1000 ·83	1000 ·80	1000 ·83	1000 ·76	1000 ·73	1000 ·70	1000 ·73	1001 ·07	1001 ·25	1001 ·51	1001 ·57	1001 ·51	1001 ·43	1001 ·40	1000 ·88
Mean (Sea Level)	1004 ·10	1003 ·91	1003 ·76	1003 ·66	1003 ·64	1003 ·70	1003 ·80	1003 ·85	1003 ·90	1003 ·96	1004 ·01	1003 ·99	1004 ·01	1003 ·94	1003 ·91	1003 ·88	1003 ·91	1004 ·26	1004 ·45	1004 ·72	1004 ·78	1004 ·73	1004 ·65	1004 ·62	1004 ·08
Hour G. M. T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

73. Aberdeen: H_b (height of barometer cistern above M.S.L.) = 26·0 metres. May, 1932.

Hour G. M. T.	1.	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	010·2	010·1	010·0	009·9	009·8	009·9	010·1	010·3	010·5	010·2	009·8	010·2	010·2	010·2	010·0	010·0	010·2	010·3	010·5	011·1	011·6	011·6	011·6	011·6	010·4
2	011·6	012·0	011·9	011·6	011·5	011·6	011·8	012·3	012·6	012·9	013·1	013·5	013·6	013·8	014·2	014·5	014·7	015·1	015·6	016·2	017·0	017·5	017·6	018·1	013·8
3	018·2	018·3	018·4	018·5	018·5	018·9	019·5	019·9	020·3	020·4	020·5	020·7	020·7	020·6	020·7	020·8	020·7	021·2	021·3	021·4	021·5	021·5	021·2	020·8	020·1
4	020·7	020·5	020·3	019·9	019·7	019·4	019·0	019·2	019·0	018·7	018·5	018·1	017·7	017·3	017·4	017·1	016·9	016·9	016·8	016·9	016·9	016·8	016·6	016·5	018·3
5	016·2	016·1	015·8	015·5	015·1	014·8	014·4	014·2	013·7	013·9	013·4	012·8	012·6	012·5	011·7	011·8	011·7	011·6	011·3	011·3	011·3	011·1	010·9	010·3	013·2
6	009·9	009·1	008·8	008·2	008·0	007·9	007·4	007·2	007·0	006·4	006·1	006·0	006·0	005·3	005·2	004·6	004·1	003·9	003·6	003·3	003·1	002·8	002·5	002·1	005·9
7	001·7	001·3	001·2	000·9	001·1	001·1	001·3	001·1	000·8	000·9	000·8	000·8	000·8	000·5	000·4	000·3	000·3	000·9	001·0	001·1	001·1	001·1	001·1	001·1	001·0
8	001·0	000·8	000·7	000·7	000·8	000·9	001·1	001·1	001·2	001·2	001·1	001·0	001·3	001·2	001·2	001·3	001·5	001·9	002·1	002·2	002·3	002·2	002·2	002·0	001·4
9	001·9	001·8	001·7	001·5	001·5	001·6	001·8	001·7	001·6	001·5	001·6	001·7	002·7	002·2	001·8	001·8	002·2	002·8	003·3	003·3	003·5	003·4	003·5	003·7	002·2
10	003·8	003·9	004·0	004·2	004·3	004·5	005·0	005·3	005·6	005·7	005·8	006·0	006·0	006·4	006·8	006·8	007·0	007·0	007·3	007·4	007·7	007·7	007·6	007·7	005·9
11	007·7	007·7	007·6	007·5	007·6	007·7	008·1	008·1	007·9	007·8	007·8	007·8	007·9	007·9	007·8	007·9	007·9	007·8	007·8	007·8	007·8	007·5	007·3	006·6	007·7
12	006·3	006·0	005·4	005·1	004·9	004·4	004·2	004·0	003·7	003·4	003·1	002·6	002·2	001·5	000·8	000·4	999·7	998·5	997·7	996·6	996·2	995·4	995·1	994·9	001·6
13	994·2	995·3	995·6	996·4	996·8	997·6	998·8	998·8	999·4	998·9	999·0	999·1	999·2	999·2	999·7	999·5	999·4	999·4	999·7	999·7	000·0	000·8	001·0	001·4	998·2
14	001·6	002·1	002·3	003·2	004·0	004·8	005·7	006·2	006·6	006·9	007·5	007·9	008·0	008·6	008·8	009·1	009·5	009·7	010·0	010·4	010·9	011·4	011·8	012·0	008·1
15	011·9	011·8	011·8	011·7	011·9	012·0	012·2	012·3	012·1	012·2	012·3	012·1	011·9	011·7	011·1	010·8	010·6	010·4	009·9	010·0	009·9	009·5	009·2	008·3	011·2
16	007·6	006·6	005·5	004·5	003·5	002·9	002·3	003·0	001·8	001·6	002·2	002·9	003·6	004·0	004·3	004·9	005·7	006·5	007·2	008·1	009·3	009·9	010·3	010·9	005·3
17	011·4	011·9	012·4	012·8	013·4	013·7	014·1	014·6	015·0	015·2	015·8	016·0	016·2	016·1	016·3	016·2	016·2	016·3	016·5	016·7	017·1	017·3	017·3	017·3	015·1
18	017·2	017·0	016·9	017·0	017·0	017·0	016·7	016·7	016·8	016·8	016·7	016·4	015·7	015·3	015·0	014·4	013·7	013·0	012·5	011·9	011·6	011·3	011·1	010·9	015·1
19	010·6	010·6	010·3	010·3	010·3	010·3	010·5	010·6	010·6	010·7	010·7	010·6	010·1	009·9	009·5	009·2	009·0	008·3	007·8	007·0	006·6	005·9	005·2	004·7	009·3
20	004·2	004·2	004·2	003·8	004·4	004·7	004·9	005·0	005·2	005·2	005·3	005·9	006·0	006·0	005·5	005·2	005·3	005·3	005·2	005·5	005·6	005·7	005·7	005·7	005·1
21	005·3	005·4	005·7	006·1	006·2	006·5	006·8	006·8	007·0	007·2	007·7	007·2	007·2	007·8	007·7	007·4	007·9	008·0	008·2	008·1	008·3	008·4	008·3	007·6	007·2
22	007·4	006·9	006·2	005·6	005·2	004·7	004·4	004·2	003·9	003·8	003·3	002·9	002·9	002·6	002·6	002·5	002·7	003·0	003·1	003·2	003·2	003·4	003·4	003·5	004·0
23	003·8	003·7	003·7	003·6	003·8	003·5	003·6	004·0	004·3	004·2	004·7	004·8	004·8	005·0	005·2	005·2	005·3	005·7	006·0	006·4	007·2	007·5	007·8	007·9	005·0
24	008·0	008·2	008·3	008·3	008·4	008·6	009·1	009·2	009·4	009·6	009·8	010·0	010·4	010·5	010·5	010·5	010·6	010·7	010·8	010·9	011·1	011·1	010·9	010·0	009·8
25	010·8	010·7	010·4	010·1	010·1	009·9	009·9	010·0	009·6	009·7	009·7	009·9	009·9	009·9	010·1	010·5	010·6	010·4	010·5	010·7	010·8	011·3	011·6	011·8	010·4
26	011·9	012·2	012·4	012·6	013·1	013·4	013·6	013·8	013·9	014·3	014·6	014·5	014·2	014·0	014·1	014·1	014·1	014·2	014·2	014·4	014·4	014·7	014·6	013·9	013·8
27	013·7	013·5	013·0	012·8	012·5	012·3	012·2	012·2	012·2	011·6	011·5	011·0	010·5	010·7	010·9	011·0	011·1	011·3	011·3	011·4	011·6	012·0	012·3	012·4	011·9
28	012·5	012·8	013·5	013·6	013·7	013·9	014·1	014·2	014·4	014·4	014·4	014·1	013·1	012·6	012·1	011·8	011·7	011·2	010·9	011·0	010·9	010·7	010·5	009·7	012·6
29	008·4	008·0	007·7	007·5	007·6	007·7	008·4	008·6	009·2	009·8	010·3	010·9	011·7	012·0	012·8	013·6	014·0	014·9	015·2	015·6	016·1	016·9	016·9	016·8	011·5
30	016·6	016·7	016·7	016·9	017·1	017·1	017·1	017·2	017·1	017·2	016·9	016·8	016·5	016·2	015·7	015·6	015·5	015·0	015·2	015·5	015·5	015·2	014·9	014·6	016·2
31	014·7	014·4	014·3	014·4	014·3	014·0	014·1	013·7	013·6	013·3	013·2	013·1	012·7	012·5	012·3	012·1	011·9	011·8	011·6	011·5	011·5	011·6	011·7	011·8	013·0
Mean (Station Level)	1009 ·06	1009 ·02	1008 ·93	1008 ·86	1008 ·91	1008 ·95	1009 ·10	1009 ·21	1009 ·23	1009 ·21	1009 ·26	1009 ·27	1009 ·24	1009 ·16	1009 ·10	1009 ·06	1009 ·09	1009 ·13	1009 ·17	1009 ·25	1009 ·41	1009 ·46	1009 ·41	1009 ·28	1009 ·15
Mean (Sea Level)	1012 ·27	1012 ·23	1012 ·14	1012 ·07	1012 ·11	1012 ·15	1012 ·30	1012 ·40	1012 ·41	1012 ·40	1012 ·44	1012 ·45	1012 ·41	1012 ·34	1012 ·28	1012 ·24	1012 ·27	1012 ·31	1012 ·36	1012 ·44	1012 ·61	1012 ·66	1012 ·61	1012 ·48	1012 ·35

74. Aberdeen: H_b = 26·0 metres. June, 1932.

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	011·6	011·7	011·6	011·6	011·7	011·8	012·2	012·3	012·4	012·6	012·8	013·3	013·4	013·7	013·5	013·6	013·7	013·7	014·0	014·0	014·3	014·5	014·7	014·5	013·0
2	014·5	014·4	014·4	014·4	014·4	014·3	014·2	014·3	014·3	014·2	014·2	014·2	014·1	014·3	014·1	014·0	013·7	013·3	013·7	013·8	014·0	013·9	014·0	013·9	014·1
3	013·9	013·8	013·8	013·6	013·9	013·9	013·8	014·2	014·4	014·4	014·4	014·7	014·9	014·9	014·9	014·8	014·7	014·7	014·7	014·8	014·3	015·0	014·9	014·8	014·4
4	014·8	014·7	014·6	014·4	014·5	014·7	015·0	015·1	015·2	015·5	015·7	015·9	015·8	015·8	015·9	016·0	016·1	016·2	016·3	016·5	016·8	016·9	016·9	016·9	015·6
5	016·8	016·6	016·5	016·3	016·1	016·1	016·1	016·4	016·7	016·6	016·8	016·8	016·9	017·0	017·0	016·9	017·0	017·3	017·7	017·9	018·6	018·5	018·5	018·7	017·0
6	018·6	018·6	018·6	018·5	018·6	018·7	018·8	018·8	018·9	019·0	019·0	018·9	018·8	018·5	018·2	018·2	018·4	018·3	018·4	018·6	018·7	018·9	019·0	018·9	018·7
7	018·8	018·3	018·0	017·8	017·5	017·1	016·9	016·9	016·6	016·3	015·9	015·5	015·1	015·0	014·7	014·5	014·5	014·9	014·9	015·0	015·3	015·4	015·8	016·0	016·2
8	016·1	016·2	016·5	016·9	017·4	017·8	018·2	018·5	018·7	019·0	019·1	019·3	019·4	019·3	019·1	018·9	018·5	018·0	017·9	017·7	017·6	017·2	017·1	017·1	018·0
9	016·7	016·7	016·7	016·8	016·9	017·0	016·9	017·0	017·1	016·8	016·7	016·6	016·2	015·9	015·5	015·1	014·9	014·6	014·4	014·2	014·1	013·9	013·9	013·7	015·8
10	013·5	013·3	012·7	012·6	012·5	012·5	012·4	012·2	012·0	011·9	011·8	011·8	011·7	011·4	011·3	011·4	011·5	011·4	011·0	011·1	011·1	011·0	010·6	010·3	011·9
11	009·9	009·7	009·7	009·3	009·4	009·5	009·4	009·4	009·1	009·1	009·0	008·8	008·7	008·5	008·0	007·6	007·4	007·3	007·3	007·3	007·4	007·6	007·3	007·5	008·6
12	007·6	008·0	008·5	009·1	009·9	010·8	011·5	012·3	013·1	013·7	014·5	015·0	015·6	016·1	017·0	017·9	018·4	018·9	019·5	020·0	020·7	021·3	021·6	021·8	014·8
13	021·9	022·1	022·1	022·0	022·3	022·6	023·0	023·2	023·5	023·6	023·6	023·6	023·5	023·4	023·3	023·2	023·2	023·3	023·2	023·4	023·3	023·8	023·8	023·9	023·1
14	024·0	024·1	023·9	024·0	024·0	024·1	024·8	025·2	025·4	025·5	025·6	025·7	025·7	025·9	025·8	025·8	025·8	025·8	026·0	026·4	027·0	027·2	027·0	026·9	025·4
15	026·9	026·7	026·7	026·6	026·7	026·9	027·0	027·2	027·2	027·0	026·9	026·8	026·7	026·7	026·6	026·3	026·1	026·1	026·0	026·0	026·1	026·0	025·9	025·3	026·6
16	025·5	025·4	025·2	025·0	025·2	025·1	025·1	025·2	025·0	024·8	024·7	024·6	024·4	024·2	024·2	024·0	023·8	023·6	023·6	023·6	023·6	023·6	023·3	023·2	024·5
17	023·2	023·2	023·1	022·9	022·9	022·9	022·7	022·6	022·3	022·3	022·4	022·5	022·6	022·6	022·9	022·9	022·9	023·0	022·8	023·0	023·2	023·4	023·2	023·1	022·9
18	023·0	022·9	022·8	022·6	022·5	022·5	022·5	022·3	022·3	022·0	021·9	021·8	021·6	021·4	021·1	020·7	020·5	020·4	020·2	019·9	020·0	019·8	019·5	019·4	021·5
19	019·1	018·9	018·6	018·3	018·1	018·1	018·4	018·4	018·0	018·1	017·8	017·7	017·6	017·7	017·4	017·1	017·1	016·7	016·7	016·8	016·8	016·7	016·5	016·4	017·7
20	015·8	015·7	015·3	015·2	014·9	015·1	015·2	015·0	014·8	014·8	014·9	014·8	015·0	014·9	014·9	014·9	014·5	014·5	015·0	015·3	015·6	015·7	015·8	015·9	015·2
21	015·9	015·7	016·0	016·0	016·2	016·5	016·6	017·2	017·4	017·8	017·7	017·8	017·7	017·8	017·7	017·7	017·5	017·6	017·9	018·1	018·4	018·5	018·5	018·3	017·3
22	018·4	018·6	018·7	018·9	019·0	019·2	019·6	020·0	020·3	020·9	021·0	021·2	021·8	021·8	021·9	021·9	022·0	022·2	022·4	022·8	023·4	023·5	023·5	023·3	021·0
23	023·6	023·6	023·6	023·6	023·5	023·6	023·5	023·7	023·8	023·5	023·5	023·4	023·1	023·0	022·9	022·3	021·9	021·5	021·3	021·1	020·9	020·6	020·4	019·5	022·6
24	019·0	018·1	017·1	016·4	015·8	015·4	014·9	014·3	013·5	013·1	012·6	011·9	011·2	010·9	010·5	009·6	009·2	008·3	009·3	009·4	009·9	010·0	010·0	009·9	012·7
25	009·7	009·2	008·6	008·7	008·8	008·8	008·9	009·0	009·2	009·7	009·7	009·7	009·5	009·6	009·5	009·9	009·3	009·8	009·4	009·3	009·3	009·0	008·4	007·3	009·3
26	007·5	007·3	006·9	006·4	006·3	006·3	006·0	005·8	005·5	005·3	004·7	004·0	003·0	003·3	003·2	003·1	002·7	002·3	002·1	002·1	001·7	001·7	001·3	000·7	004·3
27	000·4	999·9	999·6	999·4	999·7	000·0	000·8	001·0	001·8	001·8	002·0	002·5	003·3	004·0	005·1	005·9	006·3	006·6	006·9	007·2	007·4	007·4	007·4	007·4	003·3
28	007·4	007·2	007·0	006·7	006·7	006·7	006·7	006·6	007·0	007·0	006·8	006·7	007·0	006·8	006·8	007·1	007·4	007·8	008·2	008·5	008·7	009·0	009·4	009·2	007·4
29	009·4	009·3	009·3	009·3	009·4	009·7	009·9	009·9	010·2	010·2	010·2	010·2	009·8	009·5	009·1	009·1	008·7	008·1	007·7	007·4	007·0	006·4	005·8	005·2	008·9
30	004·5	003·9	003·3	002·2	001·8	001·2	000·7	000·3	999·8	999·7	999·4	999·4	999·2	998·8	998·6	998·1	997·7	997·4	997·2	996·6	995·8	994·3	993·9	992·3	999·3
Mean (Station Level)	1015 ·59	1015 ·46	1015 ·31	1015 ·18	1015 ·22	1015 ·30	1015 ·39	1015 ·48	1015 ·52	1015 ·54	1015 ·51	1015 ·50	1015 ·45	1015 ·43	1015 ·36	1015 ·23	1015 ·21	1015 ·14	1015 ·19	1015 ·26	1015 ·40	1015 ·38	1015 ·27	1015 ·10	1015 ·37
Mean (Sea Level)	1018 ·79	1018 ·66	1018 ·52	1018 ·39	1018 ·42	1018 ·49	1018 ·57	1018 ·65	1018 ·69	1018 ·71	1018 ·67	1018 ·66	1018 ·60	1018 ·58	1018 ·52	1018 ·44	1018 ·37	1018 ·31	1018 ·36	1018 ·44	1018 ·59	1018 ·57	1018 ·46	1018 ·29	1018 ·54
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.- When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1006·6 mb. is written 006·6. This rule does not, however, apply to monthly means.

PRESSURE.

Readings in millibars at exact hours. Greenwich Mean Time.

75. Aberdeen: H_b (height of barometer cistern above M.S.L.) = 26·0 metres. July, 1932.

Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	990·8	989·3	988·2	987·0	986·1	985·5	984·5	985·1	983·7	984·0	984·8	984·7	985·3	985·9	986·5	987·1	987·6	987·8	988·6	989·1	989·8	991·0	991·4	992·4	987·3
2	993·1	993·6	994·2	995·2	995·9	996·8	997·1	998·1	998·5	999·0	999·3	999·7	000·2	000·8	001·0	000·9	001·0	001·4	001·7	002·3	002·8	003·3	003·6	004·0	999·1
3	004·7	005·0	005·2	005·7	006·3	006·8	007·7	007·5	007·6	007·4	007·4	007·5	007·6	007·8	007·7	007·4	007·3	007·0	006·6	006·8	006·5	006·4	005·6	005·6	006·7
4	005·2	005·3	005·3	005·1	004·5	004·8	005·1	005·1	004·8	004·8	004·8	004·6	004·3	003·8	003·6	003·5	002·8	003·2	003·3	002·9	003·5	003·6	003·5	003·6	004·3
5	003·5	004·2	004·6	005·1	005·2	005·6	006·1	006·2	006·2	006·2	006·0	005·8	005·5	005·4	005·2	005·2	005·0	004·6	004·6	004·6	004·5	004·5	004·1	003·8	005·1
6	003·4	003·2	003·0	002·5	002·6	002·7	002·8	002·8	002·9	002·5	002·4	002·3	002·1	002·2	002·5	002·4	002·4	002·5	002·9	003·4	003·7	003·9	004·3	004·7	002·9
7	004·9	005·1	005·5	006·2	006·5	006·9	008·0	008·6	009·0	008·9	009·6	009·7	009·9	010·0	010·1	010·2	010·3	010·7	011·2	011·3	011·5	011·4	011·4	011·3	008·9
8	011·0	011·0	010·4	009·6	009·2	009·0	009·2	008·8	008·7	008·5	008·6	008·9	008·7	008·8	009·1	009·2	009·6	010·1	010·4	011·2	011·4	011·6	011·6	011·7	009·8
9	011·6	011·7	011·6	011·0	010·8	010·8	011·2	011·4	011·6	011·3	011·5	011·4	011·6	012·0	012·4	014·0	014·5	014·7	015·5	015·5	015·8	015·7	015·7	015·5	012·8
10	015·2	014·7	014·4	013·8	013·0	012·7	012·5	012·0	011·6	011·4	011·1	010·9	011·2	010·9	010·4	010·2	010·3	010·7	010·7	010·8	011·2	011·8	012·5	012·7	012·0
11	012·8	012·9	013·1	013·1	013·3	013·4	013·7	014·4	014·8	014·9	015·2	015·0	015·3	015·4	015·8	015·7	015·6	015·5	015·9	016·1	016·2	016·1	016·2	016·5	014·8
12	016·3	016·3	016·2	016·2	016·2	016·5	016·5	016·7	016·7	016·8	016·7	016·7	016·7	016·6	016·6	016·5	016·1	015·9	015·9	016·1	016·3	016·0	015·6	015·3	016·3
13	015·3	014·8	014·3	013·9	013·7	013·6	013·5	013·6	013·7	013·3	013·4	013·2	013·0	012·5	012·4	012·0	011·6	012·0	012·1	011·9	011·8	011·9	012·0	011·8	013·0
14	011·7	011·7	011·4	011·2	011·1	011·2	011·4	011·4	011·6	011·6	011·8	011·6	011·7	011·0	011·2	011·3	011·1	011·1	011·2	011·3	011·5	011·0	010·8	010·4	011·3
15	009·8	009·1	008·9	008·3	008·1	007·8	007·4	007·0	006·6	006·2	005·7	005·2	004·5	004·1	003·8	003·5	003·2	002·7	002·6	002·6	002·9	002·8	002·8	002·6	005·5
16	002·3	002·0	002·0	001·9	002·3	002·5	002·8	003·1	003·5	003·7	004·0	004·3	004·7	005·0	005·2	005·6	005·8	006·4	007·2	007·8	008·6	008·9	009·3	009·7	004·8
17	009·8	010·0	010·4	010·5	010·6	010·8	011·1	011·2	011·6	011·5	011·3	011·4	011·6	011·8	011·8	012·0	012·2	012·4	012·7	012·9	013·3	013·5	013·5	013·5	011·6
18	013·6	013·8	014·2	014·3	014·6	014·6	015·2	015·6	015·8	015·9	015·9	016·0	016·4	016·5	016·3	016·0	016·0	015·9	015·8	015·9	015·8	015·5	015·4	015·2	015·4
19	014·7	014·3	013·9	013·8	014·0	013·8	013·6	013·7	013·7	013·6	013·7	013·6	013·5	013·5	013·3	013·2	013·2	013·0	012·6	012·4	012·2	011·8	011·2	010·7	013·3
20	010·5	010·3	010·2	010·3	010·3	010·4	010·3	009·8	009·5	009·3	009·0	008·7	008·2	007·8	008·1	008·0	007·3	007·1	006·6	006·7	006·8	006·9	006·7	006·8	008·7
21	006·8	006·6	006·3	006·3	006·4	006·4	006·5	006·4	006·2	006·2	006·2	006·3	006·5	006·5	006·2	006·1	006·0	006·2	006·2	006·2	006·2	006·3	006·2	006·2	006·3
22	005·8	005·3	005·0	004·7	004·8	004·8	004·9	004·9	005·1	005·5	005·5	005·7	006·4	006·9	007·3	007·4	007·6	008·1	008·3	009·0	009·5	009·7	009·7	009·7	006·7
23	009·8	009·9	009·9	009·9	009·9	010·0	010·2	009·9	009·7	009·4	009·3	009·0	008·7	008·3	008·0	007·4	007·0	006·4	006·3	006·2	006·1	005·6	005·3	004·9	008·3
24	004·4	004·1	003·5	003·1	002·6	002·5	002·4	002·2	002·2	001·9	001·5	001·3	001·2	000·9	000·5	000·0	000·2	999·8	999·6	999·9	000·0	999·9	999·8	999·7	001·5
25	999·6	999·0	998·6	997·9	997·3	996·9	996·7	996·2	995·8	995·8	995·3	995·6	995·2	995·5	995·2	995·1	995·2	995·4	995·7	995·9	996·0	996·0	995·9	995·8	996·4
26	995·6	995·1	995·0	995·0	994·7	994·6	994·7	994·7	994·6	994·6	994·6	994·8	994·5	994·6	994·3	994·0	993·7	993·5	993·4	993·3	993·3	993·2	993·0	992·5	994·3
27	992·3	992·0	991·7	991·5	991·4	991·5	991·6	991·7	991·8	991·7	991·7	991·7	991·6	991·7	991·9	991·9	991·9	992·0	992·1	992·3	992·5	992·6	992·5	992·2	991·9
28	992·0	991·7	991·5	991·4	991·3	991·1	991·4	991·7	991·8	992·0	992·3	992·7	993·8	994·2	994·8	995·5	996·4	997·3	998·4	999·1	000·2	000·6	000·8	001·2	994·5
29	001·4	001·6	002·3	002·3	002·8	002·9	003·0	003·3	003·4	003·5	003·8	003·8	003·9	003·9	003·8	003·7	003·6	003·7	003·7	003·9	004·0	004·1	004·2	004·1	003·3
30	004·0	003·8	003·7	003·7	003·7	003·6	003·5	003·3	003·2	003·0	002·9	002·7	002·4	002·1	001·8	001·5	001·2	001·1	001·0	001·2	001·3	001·2	001·3	001·4	002·5
31	001·3	001·3	001·5	001·6	001·6	001·7	001·9	002·0	002·3	002·4	002·2	002·0	002·0	002·1	002·2	002·1	002·1	002·2	002·4	002·6	003·0	003·2	003·6	004·0	002·2
Mean (Station Level)	1005 ·59	1005 ·44	1005 ·35	1005 ·23	1005 ·19	1005 ·23	1005 ·37	1005 ·43	1005 ·43	1005 ·38	1005 ·40	1005 ·38	1005 ·43	1005 ·44	1005 ·45	1005 ·44	1005 ·41	1005 ·50	1005 ·65	1005 ·85	1006 ·07	1006 ·13	1006 ·11	1006 ·11	1005 ·53
Mean (Sea Level)	1008 ·72	1008 ·58	1008 ·49	1008 ·37	1008 ·33	1008 ·37	1008 ·50	1008 ·55	1008 ·54	1008 ·49	1008 ·51	1008 ·48	1008 ·52	1008 ·53	1008 ·55	1008 ·54	1008 ·51	1008 ·60	1008 ·76	1008 ·96	1009 ·19	1009 ·26	1009 ·25	1009 ·25	1008 ·65

Station Level

76. Aberdeen: H_b = 26·0 metres. August. 1932.

Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	004·3	004·6	004·9	005·1	005·9	006·7	007·3	007·8	008·9	009·3	009·7	010·0	010·7	011·1	011·3	011·6	012·0	012·2	012·5	012·7	013·1	013·1	013·2	012·9	009·4
2	012·7	012·2	011·7	011·0	010·6	010·2	009·5	009·3	008·7	008·3	008·0	007·4	007·1	006·6	006·0	005·5	005·4	005·5	005·0	004·7	005·0	005·2	005·5	006·1	007·9
3	006·3	006·4	006·3	006·1	006·2	006·5	006·9	007·0	007·0	007·2	007·2	007·1	006·9	006·6	006·5	007·1	007·4	007·5	007·7	007·7	007·8	007·9	008·0	008·1	007·0
4	007·8	007·6	007·4	007·1	006·9	006·7	006·6	006·7	006·7	006·8	006·6	006·4	006·8	006·7	007·2	006·8	006·7	006·9	007·3	007·3	007·7	007·8	007·9	008·0	007·1
5	008·1	008·3	008·3	008·5	008·6	009·0	009·3	009·9	010·2	010·9	011·0	011·4	011·8	012·0	012·1	012·4	012·4	012·3	012·2	012·0	012·1	011·9	011·9	011·4	010·7
6	011·3	010·8	010·4	009·9	010·0	010·0	009·3	009·0	009·0	008·6	008·4	008·3	008·3	007·5	007·6	007·5	007·4	007·2	008·4	009·7	010·9	013·1	013·9	014·5	009·6
7	015·5	016·0	016·4	016·6	016·7	017·1	017·6	017·8	017·9	018·4	018·5	018·3	018·1	018·1	017·9	017·7	017·4	017·1	017·0	017·3	017·3	017·2	016·9	016·7	017·3
8	016·4	015·7	015·1	014·8	014·6	014·4	014·5	014·4	014·7	014·6	014·6	014·5	014·2	014·0	013·8	013·4	012·8	012·4	012·3	012·6	012·7	012·8	012·7	012·5	014·0
9	012·2	011·8	011·7	011·4	011·5	011·6	012·1	012·4	013·4	013·5	013·6	014·1	014·8	015·2	015·5	016·0	016·3	016·5	017·0	017·0	017·1	017·0	016·9	016·6	014·3
10	016·0	015·5	014·8	014·3	014·2	013·6	013·4	013·0	012·9	012·5	012·3	012·3	011·8	011·5	011·1	010·4	010·4	010·0	009·8	009·7	009·4	009·5	009·4	009·5	012·1
11	009·8	009·7	009·5	009·1	009·0	009·1	009·4	009·2	009·4	009·6	009·2	009·3	009·1	008·9	008·4	008·1	008·0	008·0	008·0	007·8	007·8	007·2	006·7	006·3	008·7
12	005·5	004·9	004·4	003·7	004·0	004·3	004·3	004·0	004·1	004·0	002·9	002·8	002·4	002·5	002·3	002·0	001·5	001·4	001·6	001·8	001·7	001·4	001·6	001·6	003·0
13	001·5	001·3	001·4	001·3	001·6	001·9	002·6	003·3	003·8	004·4	004·9	005·7	006·4	006·9	007·5	007·7	008·3	009·0	010·1	010·4	011·2	011·9	012·3	012·6	005·9
14	012·7	012·9	013·1	013·3	013·7	014·6	015·2	016·1	016·4	017·0	017·1	017·3	017·6	017·8	018·2	018·4	019·0	019·5	019·7	020·2	021·0	021·0	020·9	021·2	017·1
15	021·1	021·1	021·1	021·0	021·2	021·9	022·0	021·7	022·3	022·0	021·9	021·5	021·1	020·9	020·7	020·3	019·9	019·5	019·0	018·4	018·4	017·8	017·3	017·1	020·5
16	016·8	016·5	016·1	015·9	015·7	015·8	015·7	015·8	015·6	015·6	015·6	015·6	015·8	015·9	015·9	016·0	015·9	015·8	015·9	015·9	015·6	015·2	014·5	013·7	015·8
17	013·0	012·1	011·8	011·1	010·7	010·6	010·9	011·1	011·6	011·8	012·5	013·0	013·3	013·7	014·1	014·4	015·2	015·4	015·7	016·6	016·9	017·1	017·6	017·7	013·6
18	017·5	017·6	017·7	017·8	017·9	018·4	019·3	019·8	019·9	020·3	020·5	020·7	020·7	020·8	020·8	020·7	020·5	020·3	020·6	021·2	021·8	021·9	021·9	022·0	019·9
19	021·9	021·4	021·4	020·8	020·7	020·8	020·8	020·7	020·5	020·2	019·9	019·3	018·9	018·4	018·0	017·8	017·5	017·4	017·7	017·7	017·8	017·8	017·7	017·6	019·4
20	017·5	017·3	017·1	016·7	016·3	016·4	016·6	016·3	016·2	015·9	015·5	015·3	014·7	014·6	014·5	014·6	014·7	014·6	014·8	015·6	015·7	015·9	016·7	016·6	015·9
21	017·7	017·9	018·0	018·2	018·4	018·6	018·9	019·6	019·9	020·2	020·1	020·1	019·9	019·9	019·9	019·7	019·7	019·5	019·5	019·6	019·9	020·1	020·1	020·1	019·3
22	020·2	020·2	020·2	020·5	021·0	021·6	022·2	022·7	023·3	023·9	024·4	024·6	025·0	025·2	025·3	025·5	026·0	026·4	026·7	027·2	027·6	027·6	027·8	028·3	024·1
23	028·3	028·2	027·9	027·7	027·8	027·9	028·0	028·2	028·3	028·6	028·4	028·3	028·2	027·9	027·3	027·3	027·3	027·2	027·2	027·4	027·5	027·6	027·6	027·5	027·8
24	027·4	027·3	027·2	027·0	027·0	027·1	027·2	027·2	027·4	027·4	027·4	027·3	027·3	027·1	026·9	026·7	026·4	026·5	026·5	026·7	026·6	026·6	026·6	026·4	027·0
25	026·2	025·8	025·6	025·3	025·3	025·3	025·4	025·5	025·9	025·1	025·2	025·2	025·1	024·7	024·4	024·0	023·9	024·0	023·9	024·0	024·0	023·6	023·4	023·1	024·8
26	022·6	022·2	022·0	021·3	021·0	020·8	020·8	020·6	020·5	020·1	020·0	019·6	019·3	018·8	018·1	017·6	017·2	017·1	016·9	016·6	016·2	015·8	015·1	014·7	019·1
27	014·3	013·8	013·4	012·6	012·3	012·0	012·0	012·1	012·5	012·6	012·6	012·6	012·7	013·3	013·8	014·5	014·9	015·5	016·1	016·5	016·9	017·2	017·5	017·5	014·1
28	017·5	017·6	017·6	017·1	017·2	017·4	017·3	017·5	017·6	017·8	017·7	017·6	017·5	017·6	017·5	017·1	016·9	016·7	016·9	017·3	017·4	017·4	017·4	017·2	017·4
29	016·6	016·2	016·1	015·9	015·9	016·0	016·0	015·9	015·8	015·6	015·5	015·4	014·9	014·7	014·3	013·7	013·2	012·8	012·5	012·3	012·2	011·7	011·3	010·5	014·5
30	009·9	009·2	008·6	007·9	007·2	006·5	006·2	005·5	005·0	004·5	004·0	003·5	002·8	002·5	001·9	001·7	001·7	001·7	001·9	002·4	003·3	003·9	004·6	004·9	004·8
31	005·5	006·6	007·0	007·8	008·2	009·0	009·3	009·7	010·4	010·7	010·9	010·9	010·9	011·2	011·2	011·0	011·0	011·1	011·4	011·6	011·9	011·8	011·6	011·0	009·9
Mean (Station Level)	1014 ·65	1014 ·47	1014 ·33	1014 ·09	1014 ·11	1014 ·25	1014 ·41	1014 ·51	1014 ·70	1014 ·75	1014 ·71	1014 ·69	1014 ·65	1014 ·60	1014 ·52	1014 ·43	1014 ·42	1014 ·42	1014 ·57	1014 ·77	1014 ·98	1015 ·03	1015 ·05	1014 ·96	1014 ·58
Mean (Sea Level)	1017 ·81	1017 ·64	1017 ·49	1017 ·26	1017 ·27	1017 ·42	1017 ·56	1017 ·65	1017 ·84	1017 ·88	1017 ·84	1017 ·81	1017 ·77	1017 ·72	1017 ·64	1017 ·55	1017 ·54	1017 ·55	1017 ·71	1017 ·92	1018 ·13	1018 ·19	1018 ·21	1018 ··13	1017 ·72
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

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

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, 1932.

Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	010·4	009·8	009·1	008·4	007·3	006·8	006·0	004·6	003·4	002·0	000·9	000·2	999·1	998·9	998·7	998·2	998·3	998·3	998·4	998·6	998·8	998·9	999·7	000·1	002·5
2	000·2	000·3	000·3	000·3	000·3	000·4	000·7	000·6	000·3	000·3	000·0	999·7	999·4	998·8	998·2	997·2	996·4	995·7	995·7	995·7	995·6	995·0	994·0	993·9	998·4
3	992·9	992·1	991·2	990·5	990·6	988·8	988·0	987·5	987·0	986·6	986·1	986·2	986·4	986·9	987·3	988·6	989·7	991·4	992·7	994·1	994·9	995·6	995·9	996·1	990·3
4	996·5	997·7	998·2	998·9	999·7	000·6	001·2	002·0	003·0	003·3	003·5	004·1	004·6	004·8	005·3	005·9	006·3	006·4	006·5	006·5	006·4	006·4	006·3	006·1	003·1
5	005·8	005·2	004·2	003·6	003·2	003·0	002·9	003·0	002·7	002·4	002·2	001·9	002·2	002·0	001·5	001·0	000·8	999·9	000·0	000·1	000·3	000·5	000·5	999·9	002·2
6	999·5	999·4	998·8	998·1	997·8	997·5	997·3	996·6	996·4	994·9	994·5	993·6	993·4	992·9	992·5	992·5	992·5	992·5	992·5	992·5	992·6	992·8	992·7	992·7	995·0
7	992·7	992·6	992·6	992·6	992·7	993·0	993·4	993·5	993·9	994·1	994·2	994·4	994·9	994·9	995·0	995·0	995·5	995·6	996·0	996·6	996·8	997·0	997·1	997·1	994·5
8	997·0	997·1	997·0	996·8	996·9	997·0	997·2	997·3	997·6	997·7	997·7	997·7	997·9	997·9	997·2	997·2	997·2	997·3	997·5	997·7	997·8	998·3	998·6	999·3	997·5
9	999·6	000·0	000·1	000·3	000·6	001·4	001·9	002·1	002·2	002·1	002·0	001·7	001·4	000·9	000·3	999·8	999·2	999·1	998·6	998·1	997·6	997·0	996·5	996·1	000·0
10	995·5	994·3	993·3	992·5	992·1	991·6	991·1	990·3	989·7	989·2	989·2	988·4	988·6	988·6	988·5	988·9	989·3	989·5	989·6	989·5	989·0	988·7	987·9	987·0	990·3
11	986·4	985·3	984·3	983·4	982·6	982·1	981·9	981·9	982·5	982·7	983·0	983·4	984·3	984·7	986·3	987·8	989·9	991·7	992·9	994·2	994·7	995·3	995·8	996·3	987·0
12	996·5	997·0	997·2	997·3	998·0	998·2	999·3	999·9	000·5	000·9	001·5	002·0	003·4	003·7	004·8	005·4	006·2	007·1	007·9	008·6	009·4	009·9	010·6	010·3	002·9
13	010·4	010·6	010·7	010·7	010·8	011·0	010·9	010·9	010·9	010·6	010·1	009·6	008·9	008·1	007·7	007·2	006·6	006·1	005·6	005·8	005·8	005·5	005·9	006·6	008·7
14	007·5	007·8	008·3	008·9	009·7	010·6	011·7	012·6	013·7	014·0	014·9	015·5	015·9	016·5	016·3	016·8	017·1	017·4	017·5	017·7	017·8	017·8	017·8	017·9	014·0
15	018·0	017·9	017·6	017·6	017·8	018·5	019·2	019·6	020·0	020·4	020·7	021·7	022·2	023·2	023·6	024·0	024·3	024·6	025·2	025·6	025·4	024·9	024·3	023·4	021·5
16	023·2	023·1	022·9	022·7	022·2	022·1	022·3	022·5	022·6	022·4	022·1	021·9	021·7	021·7	021·1	021·0	021·0	021·0	021·1	021·0	021·0	020·6	020·0	019·5	021·8
17	019·2	018·7	017·7	017·4	016·9	016·7	016·5	016·1	015·6	015·0	014·1	013·3	012·3	011·0	010·0	009·1	007·8	006·5	004·5	003·7	002·5	001·0	000·0	999·0	011·5
18	998·5	998·4	997·9	996·8	996·1	995·7	995·7	995·3	994·8	994·5	994·3	994·5	994·4	993·5	993·5	993·3	992·7	992·5	992·8	993·4	993·4	993·6	993·9	994·2	994·8
19	994·6	995·0	995·8	996·4	997·3	998·3	999·4	000·8	001·9	002·4	003·0	003·9	005·5	005·6	006·5	007·5	007·9	008·9	009·5	010·3	011·0	012·0	012·5	013·1	003·7
20	013·2	014·2	014·5	015·1	015·8	016·2	017·2	017·6	017·9	018·0	018·3	018·5	018·9	018·8	018·6	018·7	018·8	018·9	019·1	019·2	019·4	019·7	019·6	019·6	017·6
21	019·7	019·7	019·5	019·3	019·4	019·5	019·7	020·1	020·3	020·1	020·0	019·9	019·7	019·2	018·7	018·2	017·5	017·0	016·6	016·4	016·0	015·5	014·9	014·1	018·5
22	013·3	012·4	011·3	010·6	010·0	009·0	008·4	007·6	006·8	006·3	005·4	004·8	003·9	002·9	002·3	001·9	001·5	001·2	001·0	000·5	000·1	999·6	998·9	998·5	005·3
23	998·2	998·0	997·5	997·5	997·7	998·0	998·5	998·8	999·4	999·6	000·1	000·3	000·2	000·3	000·4	000·6	000·5	000·8	001·0	000·9	000·9	000·8	000·6	000·3	999·6
24	999·8	999·1	998·4	997·7	997·2	996·6	995·9	994·9	994·2	992·6	991·5	990·3	989·9	989·5	988·6	987·4	986·8	987·1	986·9	986·5	986·1	985·6	985·0	984·9	991·7
25	985·0	984·8	984·7	984·5	984·2	984·0	984·2	984·2	984·6	984·7	984·7	984·8	984·7	984·4	984·3	984·4	984·6	984·9	985·4	985·8	986·1	986·8	987·4	988·1	985·0
26	988·7	989·7	990·2	991·2	992·2	993·5	995·0	996·4	997·9	998·9	999·6	000·6	001·6	002·3	003·3	004·1	005·0	006·0	006·8	007·7	008·5	009·5	010·4	011·0	999·9
27	011·6	012·1	012·8	013·7	014·3	015·0	015·9	016·7	017·6	018·4	019·3	019·7	020·0	020·5	021·1	021·4	021·8	022·1	022·9	023·3	023·4	024·0	024·1	024·2	018·7
28	024·1	023·8	023·4	023·2	023·3	023·4	023·4	023·4	023·5	023·6	023·5	023·5	023·4	023·0	022·8	022·5	022·5	022·5	022·6	022·7	022·5	022·6	022·4	022·6	023·1
29	022·2	021·4	021·1	020·8	020·5	021·0	021·4	020·7	021·0	021·0	020·8	020·3	019·8	019·4	018·8	018·1	017·5	017·8	017·8	017·7	017·7	016·9	016·8	016·2	019·6
30	015·4	015·1	014·0	012·9	012·1	011·7	011·5	010·9	010·3	009·8	009·2	008·1	007·3	006·4	006·0	005·3	004·8	005·2	005·2	005·2	005·2	005·2	005·2	005·2	008·9
Mean (Station Level)	1004 ·52	1004 ·42	1004 ·15	1003 ·99	1005 ·98	1004 ·04	1004 ·26	1004 ·28	1004 ·41	1004 ·28	1004 ·21	1004 ·15	1004 ·20	1004 ·04	1003 ·97	1003 ·97	1004 ·00	1004 ·17	1004 ·33	1004 ·52	1004 ·56	1004 ·57	1004 ·51	1004 ·44	1004 ·25
Mean (Sea Level)	1007 ·68	1007 ·59	1007 ·32	1007 ·16	1007 ·14	1007 ·21	1007 ·42	1007 ·44	1007 ·55	1007 ·42	1007 ·34	1007 ·27	1007 ·32	1007 ·16	1007 ·09	1007 ·09	1007 ·13	1007 ·30	1007 ·47	1007 ·67	1007 ·71	1007 ·72	1007 ·67	1007 ·61	1007 ·40

78. Aberdeen: H_b = 26·0 metres. October, 1932.

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	005·3	005·1	005·1	005·3	005·7	006·5	007·1	007·8	008·7	009·3	009·3	009·2	009·7	009·5	009·4	009·6	009·7	009·8	009·6	008·9	008·2	007·4	006·0	004·2	007·8
2	002·1	999·6	997·2	995·5	995·0	994·7	995·4	995·6	995·2	994·6	995·7	998·2	001·7	003·1	004·3	005·1	006·0	007·1	007·5	007·8	008·2	008·2	008·1	008·3	001·3
3	008·3	008·3	008·5	008·8	009·7	010·7	011·6	012·7	013·5	014·1	014·6	015·4	016·0	016·1	016·4	016·7	016·9	017·2	017·4	017·5	017·6	017·9	017·9	017·9	014·0
4	017·8	017·6	017·2	017·1	017·0	016·7	016·5	016·4	016·3	016·1	015·9	015·5	015·0	014·7	014·3	013·9	013·8	013·8	013·6	013·4	013·2	013·0	012·7	012·2	015·3
5	011·7	011·1	010·5	010·3	009·9	009·2	008·8	008·4	007·9	007·6	007·5	007·3	006·8	006·4	006·2	006·0	005·9	006·0	005·6	005·2	005·0	004·6	004·0	003·4	007·5
6	002·9	002·4	001·7	001·6	001·2	001·0	000·7	000·5	999·8	999·7	999·3	999·2	999·4	998·2	997·6	997·1	997·3	996·9	995·9	995·1	994·4	994·0	993·4	993·1	998·7
7	993·3	994·1	994·3	994·9	995·1	995·7	996·4	996·7	996·5	996·2	995·8	995·2	994·3	993·2	992·3	991·4	990·7	990·1	989·3	988·8	988·2	987·4	986·6	986·1	992·8
8	985·6	984·9	984·4	983·9	983·9	984·1	984·5	984·7	984·9	984·9	984·9	984·9	984·6	984·3	983·9	983·5	983·2	982·4	982·0	981·4	980·8	979·9	979·3	979·0	983·5
9	978·6	979·4	980·0	980·8	981·4	982·0	982·5	983·0	983·6	984·4	985·1	985·5	985·8	986·0	986·4	986·5	986·6	986·5	986·5	986·5	986·4	986·5	986·7	986·7	984·1
10	986·5	986·3	986·2	986·5	987·0	987·7	988·3	989·0	989·4	989·9	990·1	990·5	990·7	990·9	991·2	991·7	991·9	992·6	992·8	993·0	993·4	993·6	993·7	994·0	990·1
11	994·3	994·2	994·3	994·6	995·2	996·0	996·5	997·0	997·6	997·9	998·3	998·4	998·5	999·0	999·3	999·5	999·8	000·6	000·6	000·7	000·9	000·8	000·8	000·6	998·0
12	000·5	000·2	999·8	999·4	998·9	998·8	998·8	998·9	998·8	998·5	998·4	997·6	996·9	996·5	996·1	995·3	994·6	994·6	994·2	993·8	993·5	993·2	992·8	992·1	996·9
13	990·9	990·5	989·6	988·5	987·4	986·5	986·0	985·2	984·6	984·1	983·7	982·8	982·5	982·5	982·7	982·9	982·9	983·5	983·7	984·3	984·5	984·7	984·9	985·1	985·3
14	985·1	985·0	984·8	984·7	984·7	984·7	984·9	985·1	984·3	984·1	983·6	983·8	984·6	985·8	986·2	987·0	987·6	988·4	989·2	989·8	990·8	991·5	992·6	993·9	986·6
15	994·7	995·8	996·6	997·6	998·8	999·3	000·7	001·8	002·5	002·7	003·2	003·6	003·6	003·8	003·2	002·7	002·1	001·4	001·0	999·4	997·7	996·4	995·7	995·5	000·0
16	995·3	995·3	995·2	995·4	995·1	995·0	995·0	995·9	996·8	997·0	997·4	997·9	998·1	998·0	997·6	996·8	996·3	995·8	995·2	994·1	993·6	993·6	994·0	995·1	995·8
17	996·2	997·7	999·1	001·3	002·5	003·9	005·4	006·7	007·0	007·5	007·7	008·0	007·7	007·4	006·7	006·2	005·6	004·7	003·7	001·9	000·5	998·6	996·8	994·6	003·2
18	993·2	991·8	991·8	993·2	994·8	996·9	998·8	999·8	001·3	001·9	002·9	003·5	004·1	004·5	005·2	006·0	007·8	009·3	010·4	011·4	012·2	012·6	013·1	014·4	003·0
19	014·7	015·1	015·4	015·2	015·3	015·2	014·6	014·5	013·9	013·4	012·7	012·0	010·9	010·0	008·9	007·8	006·7	005·0	003·6	002·1	000·8	998·8	996·8	994·6	009·5
20	993·5	992·0	991·4	990·3	989·8	989·5	989·0	988·9	988·7	988·9	989·1	989·1	989·3	989·3	989·4	989·5	989·7	990·3	990·2	990·1	990·3	990·2	990·5	990·5	990·1
21	990·2	989·9	990·0	990·0	990·2	990·7	990·8	991·6	992·7	992·9	993·3	993·8	994·2	994·9	995·3	995·6	995·9	996·6	997·3	997·7	997·7	997·9	997·8	997·7	993·8
22	997·6	997·4	997·0	996·4	995·6	995·3	994·5	993·9	992·6	991·6	990·1	988·3	986·8	986·5	986·6	987·5	989·0	991·6	993·2	994·4	995·5	997·1	998·1	999·0	993·1
23	999·6	000·0	000·4	000·6	000·7	000·9	001·4	001·5	001·6	001·3	001·1	000·7	000·0	999·6	999·4	999·2	999·3	999·1	998·8	998·5	998·2	998·2	998·1	998·0	999·9
24	997·9	997·8	997·7	997·6	997·5	997·6	997·8	998·3	998·6	999·1	999·8	000·0	000·4	000·9	001·3	001·7	002·5	003·4	004·1	004·8	005·4	005·7	006·3	006·7	000·8
25	007·1	007·3	006·9	006·9	006·8	006·2	005·5	005·2	004·8	003·6	002·4	001·0	999·4	998·1	996·8	995·7	994·4	993·7	992·6	991·9	991·0	990·2	989·5	988·8	999·8
26	988·1	986·9	986·8	986·4	986·0	986·0	985·9	986·9	987·6	987·9	988·4	989·0	989·5	989·8	990·2	990·6	990·8	991·5	991·9	992·0	992·3	992·5	992·4	992·3	989·2
27	992·0	991·7	991·5	991·5	991·5	991·5	991·6	991·8	992·1	992·4	992·8	993·1	993·5	994·1	994·4	994·7	995·2	996·3	996·6	997·1	997·6	998·2	998·6	998·9	994·0
28	999·3	999·7	999·5	000·1	000·9	001·6	002·4	003·4	004·0	004·6	005·3	005·5	005·9	006·4	006·8	007·4	007·8	008·4	008·7	008·8	008·8	008·7	008·7	008·4	004·9
29	007·9	006·7	006·1	004·9	003·3	002·4	001·3	000·7	999·2	997·6	995·3	993·1	991·2	989·2	987·5	985·6	984·9	984·2	983·3	982·5	982·0	981·6	981·4	981·3	993·6
30	981·3	981·2	981·2	981·3	981·6	982·0	982·6	983·2	983·3	983·7	984·3	984·7	984·9	985·8	986·4	987·1	988·0	989·4	990·2	991·4	992·8	994·4	995·9	997·3	986·1
31	998·4	999·8	001·0	002·3	003·8	004·9	005·9	006·9	007·7	008·2	008·6	008·8	009·1	009·3	009·3	009·4	009·5	009·5	009·3	009·2	009·1	008·8	008·4	007·9	006·7
Mean (Station Level)	997 ·09	996 ·93	996 ·81	996 ·87	996 ·98	997 ·20	997 ·46	997 ·81	997 ·92	997 ·93	997 ·95	997 ·92	997 ·91	997 ·86	997 ·78	997 ·73	997 ·82	998 ·05	998 ·00	997 ·85	997 ·76	997 ·62	997 ·47	997 ·34	997 ·58
Mean (Sea Level)	1000 ·27	1000 ·10	999 ·99	1000 ·05	1000 ·16	1000 ·38	1000 ·64	1000 ·99	1001 ·09	1001 ·09	1001 ·11	1001 ·07	1001 ·06	1001 ·01	1000 ·93	1000 ·88	1000 ·98	1001 ·22	1001 ·17	1001 ·02	1000 ·93	1000 ·79	1000 ·65	1000 ·52	1000 ·75
Hour G. M. T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

November, 1932.

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

Hour G. M. T.	1.	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	007·4	007·0	006·3	005·9	005·7	005·3	004·8	004·2	003·5	002·4	001·7	001·2	999·6	999·9	999·8	000·2	000·7	001·3	001·6	001·9	002·1	002·5	002·4	002·4	003·0
2	002·0	002·1	001·4	000·6	999·6	999·3	998·7	998·9	998·9	999·0	999·4	999·5	999·3	999·8	000·4	001·2	001·8	002·6	002·9	003·6	003·8	004·2	004·2	004·3	001·1
3	004·5	004·6	004·9	004·8	004·5	004·2	004·0	004·0	003·8	002·6	002·3	001·4	001·2	001·2	001·3	001·5	001·6	001·9	001·4	000·7	000·5	000·1	999·6	999·3	002·4
4	999·0	998·9	998·4	997·6	997·3	996·8	997·3	998·6	999·8	000·7	002·1	003·4	004·4	005·9	007·1	008·4	010·0	011·8	013·2	013·9	014·8	015·8	017·0	017·9	005·0
5	018·4	019·4	020·2	021·3	022·0	022·7	023·8	024·6	024·9	025·8	026·3	026·5	026·7	027·0	027·1	027·4	027·8	028·3	028·4	028·5	028·5	028·5	028·5	028·4	025·2
6	028·2	027·7	027·3	026·8	026·7	026·7	026·5	026·5	026·4	026·0	025·7	025·0	024·5	023·8	023·6	023·5	023·4	023·6	023·4	023·1	022·9	022·7	022·1	021·8	025·1
7	021·8	021·6	021·1	021·3	021·6	021·7	022·1	022·4	022·6	022·2	022·3	021·9	021·8	021·7	021·5	021·5	021·7	022·1	021·9	021·7	021·6	021·4	021·1	020·8	021·7
8	020·3	019·8	019·4	019·1	018·3	018·5	018·7	018·8	018·5	018·5	018·4	017·8	017·6	017·4	017·2	016·8	016·5	016·5	016·2	015·7	015·3	015·1	014·4	014·1	017·6
9	013·5	013·3	012·6	012·0	011·8	011·3	011·0	011·0	011·0	010·9	010·8	010·8	010·6	010·4	010·5	010·6	010·7	010·9	011·0	011·3	011·6	011·7	011·9	012·0	011·4
10	012·3	012·5	012·9	013·3	013·6	014·2	014·7	015·5	015·9	016·4	017·1	017·7	017·9	018·6	018·6	019·2	019·6	020·6	021·0	022·1	022·6	023·0	023·2	023·3	017·5
11	023·4	023·2	023·5	023·8	024·0	024·2	024·4	024·5	024·6	024·6	024·7	024·8	024·6	024·6	024·7	025·1	025·9	026·3	026·8	027·4	028·0	028·5	029·1	029·4	025·3
12	029·8	030·0	030·2	030·3	030·8	031·1	031·5	032·0	032·2	032·4	032·5	032·6	032·8	032·8	033·4	033·7	034·0	034·7	035·2	035·6	036·0	036·1	036·2	036·5	032·9
13	037·1	037·2	037·3	037·3	037·4	037·0	037·2	038·4	038·4	038·6	038·8	038·2	037·8	037·8	037·7	037·3	037·0	036·8	036·8	036·6	036·4	036·2	035·9	035·5	037·3
14	035·2	035·2	034·8	034·2	033·7	033·4	033·2	033·2	033·0	032·9	032·8	032·6	032·1	031·6	031·3	031·1	031·1	030·9	030·7	030·5	030·2	029·5	029·2	028·9	032·3
15	028·3	027·7	027·2	026·7	026·0	025·7	025·5	025·7	025·8	025·8	025·8	025·8	025·7	025·6	025·4	025·5	025·5	025·7	025·8	025·6	025·7	025·2	025·1	024·9	026·0
16	024·6	024·5	024·5	024·3	024·3	024·4	024·7	025·1	025·5	025·7	025·8	025·8	025·7	025·6	025·4	025·5	025·5	025·5	025·5	025·4	025·4	025·1	024·8	024·6	025·1
17	024·3	023·9	023·5	023·1	022·6	022·5	022·1	022·0	021·9	021·7	021·3	020·6	020·1	019·6	019·1	018·4	018·2	018·3	017·9	017·4	017·0	016·7	016·1	015·4	020·3
18	014·9	014·3	013·6	013·1	012·6	012·3	011·8	011·4	011·1	011·0	010·7	010·0	009·1	008·7	008·5	008·1	007·7	007·4	007·2	007·0	006·9	007·1	007·2	007·3	010·1
19	007·5	008·0	008·8	009·1	009·4	010·0	010·4	011·1	011·3	011·3	011·1	010·5	009·6	009·5	009·2	008·7	008·5	008·1	007·6	007·0	006·3	005·8	005·0	004·1	008·7
20	003·3	002·2	001·4	000·6	999·9	999·0	998·7	998·5	998·3	998·0	997·7	997·3	996·9	996·8	996·9	997·2	997·8	998·1	998·2	998·1	998·4	998·5	998·6	998·4	998·8
21	998·3	998·4	998·4	998·5	998·6	998·8	998·8	999·3	999·8	999·9	000·3	000·1	000·4	001·0	000·9	001·0	001·5	001·7	001·6	001·4	001·2	000·9	000·3	999·3	000·0
22	998·3	997·2	995·9	994·3	992·3	989·7	988·2	986·0	983·6	982·1	980·0	977·9	976·6	976·8	977·8	978·9	979·8	981·3	981·5	982·0	982·0	981·6	981·5	981·6	984·8
23	981·4	981·1	980·9	980·5	980·1	980·0	980·0	980·0	980·0	980·6	980·8	980·8	980·7	981·0	981·5	982·1	983·1	983·9	984·7	985·2	986·1	986·5	986·9	987·3	982·2
24	988·0	988·5	988·9	988·9	989·1	989·6	990·2	990·5	991·2	991·8	992·3	992·4	992·4	992·3	992·2	992·9	993·1	993·8	995·4	995·0	995·3	996·7	997·8	998·9	992·1
25	999·8	999·9	000·5	001·3	001·8	002·1	003·1	003·9	004·2	005·1	005·4	005·5	005·5	005·6	005·2	005·1	004·9	004·3	003·5	002·4	001·0	998·9	997·4	995·5	002·7
26	994·3	992·1	989·6	988·5	987·1	986·4	985·2	984·0	983·1	982·5	982·4	981·8	980·9	979·7	979·0	978·7	977·3	975·4	973·8	973·4	973·7	974·1	974·6	975·1	981·8
27	975·6	976·5	977·2	978·3	979·5	980·6	982·2	983·8	985·9	988·2	990·4	992·9	995·6	998·5	000·8	003·0	005·1	007·2	009·0	010·1	011·4	012·5	013·8	014·3	993·9
28	015·1	015·4	016·1	016·4	017·1	017·7	018·2	018·5	018·5	018·3	017·8	016·7	015·6	014·6	013·5	013·7	013·7	013·7	013·6	013·3	012·1	012·0	011·6	011·1	015·2
29	010·6	009·8	009·0	007·9	007·3	006·5	004·8	005·0	004·3	002·9	002·2	001·2	000·9	000·7	000·4	000·2	999·8	999·6	999·4	999·3	999·4	999·7	000·5	001·0	003·2
30	001·4	001·5	001·5	001·6	001·5	001·4	001·0	001·1	000·9	000·2	999·8	998·9	997·9	997·3	997·0	996·6	996·1	996·1	995·8	995·7	995·6	995·3	995·3	995·4	998·7
Mean (Station Level)	1010 ·62	1010 ·45	1010 ·24	1010 ·05	1009 ·89	1009 ·77	1009 ·76	1009 ·95	1009 ·96	1009 ·94	1009 ·96	1009 ·72	1009 ·48	1009 ·53	1009 ·57	1009 ·77	1009 ·98	1010 ·28	1010 ·37	1010 ·36	1010 ·39	1010 ·40	1010 ·38	1010 ·29	1010 ·05
Mean (Sea Level)	1013 ·86	1013 ·69	1013 ·48	1013 ·28	1013 ·13	1013 ·01	1013 ·00	1013 ·18	1013 ·19	1013 ·16	1013 ·18	1012 ·93	1012 ·69	1012 ·74	1012 ·78	1012 ·98	1013 ·20	1013 ·51	1013 ·60	1013 ·59	1013 ·63	1013 ·63	1013 ·61	1013 ·53	1013 ·28

80. Aberdeen: H_b = 26·0 metres.

December, 1932.

Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	995·5	995·3	995·5	995·3	995·5	996·0	996·3	996·8	998·0	998·9	999·2	999·5	999·9	000·5	000·9	001·1	001·6	001·7	001·5	000·6	999·9	998·7	997·5	995·2	998·4
2	994·6	992·6	991·5	989·1	987·1	985·1	983·7	982·4	981·1	979·8	979·4	979·7	980·7	981·1	981·0	979·9	978·9	976·9	974·9	973·1	972·6	972·8	973·0	973·8	981·5
3	974·7	975·4	975·8	975·4	975·6	975·4	975·2	975·1	974·9	975·1	975·9	976·2	976·8	977·2	978·4	979·4	980·9	982·1	983·2	984·6	985·8	986·9	987·9	988·9	978·7
4	989·6	990·8	991·8	993·0	994·1	995·1	996·8	998·2	999·2	000·2	001·0	001·5	001·5	001·6	001·6	001·6	001·7	001·7	001·7	001·3	000·8	000·6	000·5	000·5	998·4
5	000·7	001·0	001·1	001·4	002·6	004·1	005·1	006·6	007·8	008·6	009·3	009·6	010·1	010·5	011·1	011·9	012·6	013·4	013·7	014·3	014·9	015·2	015·7	016·2	008·7
6	016·5	016·8	017·3	017·6	018·0	018·4	018·8	019·6	020·1	020·7	021·1	021·2	021·4	021·5	021·8	022·6	023·0	023·9	024·1	024·4	024·8	025·1	025·4	025·9	021·1
7	026·1	026·3	027·0	027·0	027·1	027·6	027·8	028·5	029·1	029·0	029·2	029·3	029·4	029·5	029·4	029·7	030·2	030·5	030·6	030·9	031·1	030·9	030·7	030·6	029·0
8	030·4	030·3	030·1	029·9	030·0	030·0	029·8	029·9	029·9	029·9	029·9	029·8	029·5	029·4	029·4	029·3	029·4	029·4	029·6	029·7	029·5	029·4	029·3	029·2	029·7
9	029·2	029·1	029·1	029·2	029·3	029·3	029·5	030·1	030·4	030·6	030·8	030·8	030·8	030·8	030·9	031·0	031·1	031·6	031·5	031·6	031·6	031·7	031·8	031·8	030·5
10	031·8	031·7	031·5	031·2	031·0	030·9	030·7	030·9	030·9	031·1	030·9	030·6	030·0	029·6	029·5	029·2	029·0	029·0	028·8	028·9	028·7	028·5	028·5	028·4	030·1
11	028·0	027·7	027·3	027·0	026·9	026·7	026·6	026·6	026·8	026·3	026·0	025·5	024·7	024·1	023·7	023·4	022·9	023·1	022·8	022·3	022·0	021·6	021·3	021·1	024·9
12	020·6	020·4	020·3	019·8	019·2	019·1	018·8	018·8	018·6	018·7	018·6	018·3	017·6	017·1	016·8	016·4	016·1	015·8	015·7	015·4	014·9	014·5	014·2	013·7	017·6
13	013·4	013·0	012·5	012·0	011·6	011·1	011·3	011·0	010·9	010·9	010·8	010·1	009·4	009·1	008·7	008·3	008·1	007·7	007·2	006·8	006·3	006·0	005·7	005·2	009·6
14	004·7	004·4	004·4	004·6	004·8	005·4	005·8	006·6	007·5	008·5	009·0	009·3	009·1	009·4	009·5	010·2	010·8	011·1	011·1	010·9	010·9	010·8	010·2	009·7	008·2
15	009·2	008·5	007·5	006·3	005·4	004·3	004·2	003·7	002·6	002·3	001·8	001·0	000·8	001·1	001·9	002·9	003·4	004·7	005·5	006·5	007·0	007·9	008·0	008·6	004·8
16	008·4	008·4	008·2	007·4	005·8	004·0	001·9	000·3	000·0	999·9	999·3	998·9	998·7	998·8	999·1	999·5	999·8	002·0	003·2	004·3	005·0	004·0	003·7	003·1	002·8
17	001·7	999·6	996·2	993·4	992·0	988·8	988·1	989·0	991·1	991·7	991·6	990·2	990·2	988·4	988·2	988·2	986·9	986·7	986·9	988·3	989·7	990·7	993·4	994·7	991·2
18	995·6	996·8	997·7	997·8	998·4	999·0	999·7	999·7	000·6	001·3	001·8	001·4	000·5	000·0	000·5	999·0	998·3	997·5	997·0	996·3	995·9	996·3	996·9	997·6	998·5
19	997·5	997·6	997·6	997·9	997·9	999·0	000·0	000·4	000·7	002·0	002·8	003·0	003·1	003·4	003·8	003·8	003·8	004·3	005·0	005·3	005·6	006·1	006·2	006·5	002·0
20	006·8	007·2	007·5	007·6	008·1	009·3	010·2	011·2	012·7	013·9	014·2	014·4	015·2	015·8	016·2	016·6	016·7	017·1	017·8	017·9	017·8	017·8	017·7	017·3	013·4
21	016·5	015·6	014·7	013·6	012·9	012·1	011·1	010·7	009·9	009·0	007·9	007·1	006·6	005·8	005·2	005·0	005·1	005·4	005·7	006·5	006·7	006·9	007·0	007·2	009·1
22	006·8	006·3	005·6	005·2	004·0	003·2	003·2	002·7	004·2	005·9	007·1	007·8	008·5	008·8	009·3	010·0	010·7	010·5	010·7	010·5	010·6	010·2	009·6	008·6	007·8
23	007·6	006·9	006·0	005·5	005·1	005·0	004·2	004·2	003·5	003·5	003·1	001·4	000·5	999·9	999·1	999·0	999·0	999·9	000·4	001·4	001·7	002·1	002·3	002·4	002·8
24	002·1	002·3	004·4	005·2	006·6	008·2	010·1	012·0	013·5	015·5	017·0	017·6	018·3	018·8	019·9	020·8	021·7	023·2	023·8	024·7	025·1	025·8	026·7	027·4	015·8
25	028·2	028·4	029·1	029·6	029·8	029·7	029·9	030·4	031·0	031·2	031·6	031·4	031·3	031·1	031·0	031·3	030·9	030·7	030·6	030·3	030·4	029·8	029·3	029·1	030·2
26	028·5	028·0	027·0	026·6	026·0	026·2	026·5	026·3	026·2	025·4	025·0	023·8	023·1	022·3	021·9	021·7	021·3	020·8	020·0	019·4	018·6	017·8	017·0	016·6	023·4
27	016·5	015·8	015·2	015·1	014·6	014·6	014·5	014·7	015·2	015·4	015·6	015·3	015·0	014·7	014·5	014·1	014·0	013·9	013·6	013·4	012·9	012·5	012·3	012·0	014·5
28	012·1	011·7	011·4	010·8	010·2	009·9	009·8	009·2	010·0	009·6	009·4	009·2	008·6	007·9	007·6	007·5	006·7	006·5	005·8	005·4	005·2	005·0	005·0	004·9	008·5
29	003·9	003·7	003·6	003·1	002·3	002·3	002·1	002·1	002·0	001·5	001·1	000·4	999·9	999·5	999·3	998·8	998·2	997·8	997·2	996·7	996·9	997·1	997·0	997·6	000·3
30	997·7	997·8	998·0	997·9	998·2	998·6	998·9	999·2	999·6	999·9	000·2	000·0	000·0	000·0	000·0	000·2	000·5	000·8	000·9	001·2	001·6	001·7	001·8	002·4	999·8
31	002·4	002·9	003·3	002·9	002·8	003·3	002·8	002·7	002·8	002·3	001·9	000·8	999·7	998·5	997·1	996·0	995·9	995·8	995·1	994·7	994·1	993·5	993·4	993·3	999·3
Mean (Station Level)	1009 ·59	1009 ·43	1009 ·30	1008 ·98	1008 ·80	1008 ·76	1008 ·82	1009 ·02	1009 ·38	1009 ·63	1009 ·76	1009 ·52	1009 ·38	1009 ·23	1009 ·27	1009 ·30	1009 ·33	1009 ·53	1009 ·54	1009 ·60	1009 ·63	1009 ·61	1009 ·65	1009 ·66	1009 ·36
Mean (Sea Level)	1012 ·82	1012 ·66	1012 ·52	1012 ·21	1012 ·03	1011 ·99	1012 ·05	1012 ·25	1012 ·61	1012 ·86	1012 ·98	1012 ·74	1012 ·60	1012 ·44	1012 ·48	1012 ·52	1012 ·55	1012 ·76	1012 ·76	1012 ·82	1012 ·86	1012 ·84	1012 ·87	1012 ·89	1012 ·59
Hour G. M. T.	1.	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 degrees absolute at exact hours, Greenwich Mean Time.

81. Aberdeen: H_b = 26·0 metres. 1932.

Hour G.M.T.	1	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.	009·52	009·40	009·27	009·14	009·12	009·16	009·28	009·43	009·56	009·60	009·63	009·54	009·43	009·34	009·29	009·28	009·30	009·47	009·53	009·61	009·69	009·69	009·65	009·59	009·44
Sea Level.	012·73	012·61	012·48	012·35	012·33	012·37	012·49	012·63	012·75	012·79	012·82	012·71	012·60	012·52	012·46	012·46	012·48	012·65	012·73	012·81	012·90	012·89	012·86	012·80	012·63

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. 1932.

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.	1007·41	-0·23	-0·14	-0·01	+0·07	+0·03	+0·06	+0·12	+0·41	+0·70	+0·88	+0·91	+0·57	-0·01	-0·23	-0·36	-0·32	-0·37	-0·26	-0·36	-0·35	-0·26	-0·20	-0·28	-0·32
Feb.	1031·11	+0·11	-0·03	-0·17	-0·27	-0·27	-0·31	-0·16	+0·04	+0·22	+0·32	+0·42	+0·31	+0·11	-0·06	-0·16	-0·23	-0·25	+0·03	+0·05	+0·03	+0·04	+0·05	+0·05	+0·13
Mar.	1009·14	+0·23	+0·05	-0·17	-0·33	-0·41	-0·39	-0·26	-0·13	-0·03	+0·04	+0·16	+0·09	-0·05	-0·16	-0·26	-0·26	-0·19	+0·11	+0·24	+0·31	+0·37	+0·36	+0·39	+0·30
Apr.	1000·88	+0·18	-0·03	-0·19	-0·32	-0·35	-0·30	-0·21	-0·17	-0·12	-0·08	-0·03	-0·07	-0·06	-0·15	-0·19	-0·25	-0·23	+0·09	+0·26	+0·51	+0·55	+0·47	+0·37	+0·33
May	1009·15	-0·07	-0·11	-0·21	-0·28	-0·23	-0·20	-0·04	+0·06	+0·08	+0·06	+0·11	+0·11	+0·08	0·00	-0·06	-0·10	-0·08	-0·04	0·00	+0·07	+0·23	+0·28	+0·23	+0·09
June	1015·37	-0·07	-0·18	-0·30	-0·40	-0·33	-0·23	-0·11	0·00	+0·07	+0·12	+0·12	+0·14	+0·11	+0·11	+0·07	+0·03	-0·02	-0·06	0·00	+0·11	+0·28	+0·29	+0·20	+0·06
July	1005·53	+0·23	+0·07	-0·04	-0·18	-0·24	-0·21	-0·08	-0·04	-0·06	-0·12	-0·11	-0·15	-0·12	-0·13	-0·13	-0·16	-0·20	-0·13	+0·01	+0·19	+0·39	+0·44	+0·41	+0·39
Aug.	1014·58	+0·17	-0·01	-0·17	-0·42	-0·41	-0·27	-0·13	-0·03	+0·15	+0·19	+0·14	+0·11	+0·06	0·00	-0·09	-0·19	-0·21	-0·22	-0·07	+0·11	+0·32	+0·36	+0·36	+0·27
Sept.	1004·25	+0·18	+0·09	-0·17	-0·33	-0·33	-0·26	-0·04	0·00	+0·13	+0·01	-0·05	-0·10	-0·05	-0·19	-0·25	-0·25	-0·21	-0·04	+0·13	+0·33	+0·38	+0·40	+0·35	+0·29
Oct.	997·58	-0·45	-0·62	-0·74	-0·69	-0·58	-0·36	-0·11	+0·24	+0·35	+0·35	+0·37	+0·34	+0·32	+0·27	+0·19	+0·13	+0·22	+0·45	+0·39	+0·24	+0·14	0·00	-0·15	-0·29
Nov.	1010·05	+0·37	+0·22	+0·03	-0·15	-0·29	-0·39	-0·38	-0·17	-0·14	-0·15	-0·11	-0·33	-0·55	-0·49	-0·44	-0·22	+0·01	+0·33	+0·43	+0·45	+0·49	+0·52	+0·51	+0·45
Dec.	1009·36	+0·19	+0·04	-0·09	-0·41	-0·58	-0·62	-0·56	-0·36	+0·01	+0·26	+0·39	+0·15	+0·02	-0·13	-0·09	-0·05	-0·02	+0·18	+0·19	+0·26	+0·29	+0·27	+0·31	+0·33
Year.	1009·44	+0·07	-0·05	-0·19	-0·31	-0·33	-0·29	-0·16	-0·01	+0·11	+0·16	+0·19	+0·10	-0·01	-0·10	-0·15	-0·16	-0·13	+0·04	+0·11	+0·19	+0·27	+0·27	+0·23	+0·17

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

83. Aberdeen: H_b = 26·0 metres. 1932.

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	006·3	992·2	036·0	032·9	031·6	021·2	998·8	982·7	011·7	009·7	014·7	011·5
2	000·3	995·7	036·0	029·3	021·2	013·0	982·7	980·4	018·1	011·4	014·6	013·3
3	002·2	995·3	031·4	028·9	014·3	012·0	998·7	981·9	021·6	018·1	015·1	013·5
4	004·9	990·8	031·0	028·5	014·5	003·3	004·4	998·7	020·8	016·5	017·1	014·3
5	999·5	981·2	028·6	027·5	003·3	985·5	004·3	994·2	016·5	010·3	018·7	016·0
6	983·8	970·4	027·8	023·2	999·3	985·0	994·2	974·5	010·3	002·1	019·1	018·1
7	984·1	975·7	025·0	022·1	000·9	992·8	990·2	973·5	002·1	000·1	018·9	014·3
8	997·8	984·0	025·1	021·0	011·5	999·7	012·6	990·2	002·3	000·6	019·5	016·0
9	996·7	976·9	030·2	024·0	014·6	011·5	011·6	979·0	003·7	001·4	017·2	013·7
10	977·5	973·0	040·8	030·2	012·5	010·4	980·3	970·9	007·9	003·7	013·7	010·3
11	994·1	973·4	039·6	032·4	021·6	012·5	006·5	980·3	008·2	006·6	010·3	007·2
12	001·1	987·5	033·8	029·9	021·0	014·1	024·9	006·4	006·6	994·9	021·8	007·5
13	990·7	973·6	029·9	026·1	017·0	013·6	024·8	009·2	001·4	994·0	023·9	021·8
14	001·1	989·1	031·2	027·0	024·1	014·5	009·2	003·0	012·1	001·4	027·2	023·8
15	005·1	987·2	034·6	031·2	025·1	021·6	021·0	007·3	012·5	008·3	027·3	025·8
16	997·9	989·9	036·8	034·6	021·6	018·2	022·4	020·7	010·9	001·2	025·8	023·2
17	008·0	996·2	037·3	035·9	019·4	018·0	022·0	018·6	017·6	010·9	023·4	022·2
18	014·3	002·6	036·3	034·0	021·0	019·0	019·0	011·5	017·3	010·9	023·1	019·4
19	023·5	014·2	041·3	033·4	021·5	017·6	011·5	994·3	010·9	004·7	019·4	016·4
20	025·0	019·9	044·6	039·3	023·0	018·1	994·3	990·8	006·2	003·6	016·4	014·5
21	019·9	013·5	039·3	029·2	020·5	016·8	000·1	993·4	008·5	005·3	018·6	015·7
22	029·6	016·1	031·0	028·5	020·2	014·7	999·9	993·1	007·6	002·5	023·6	018·2
23	030·0	027·4	028·6	018·5	016·8	013·5	003·8	992·3	007·9	003·5	023·8	019·6
24	030·2	022·4	027·9	020·7	016·2	008·5	009·8	003·8	011·3	007·9	019·6	008·9
25	042·6	025·8	029·2	026·8	008·5	004·6	011·0	006·9	011·8	009·5	010·0	007·9
26	042·5	037·9	029·0	026·0	007·3	004·6	006·9	001·1	014·9	011·8	007·9	000·7
27	038·1	031·9	035·8	028·6	005·5	990·8	006·2	003·8	013·9	010·3	007·6	999·3
28	032·0	021·7	037·6	035·7	990·8	983·9	004·4	999·9	014·6	009·7	009·4	006·5
29	029·5	018·4	037·0	031·6	990·0	984·7	005·2	998·3	017·0	007·4	010·3	005·2
30	038·3	029·3	-----	-----	984·7	976·8	010·1	004·6	017·4	014·6	005·2	992·3
31	038·2	034·4	-----	-----	998·9	979·6	-----	-----	014·7	011·3	-----	-----
Mean	1012 ·41	1001 ·54	1033 ·54	1028 ·86	1012 ·55	1005 ·81	1006 ·36	995 ·51	1011 ·56	1006 ·59	1017 ·44	1013 ·24

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	992·4	983·6	013·3	004·0	011·0	998·1	010·3	004·2	007·9	999·5	001·8	995·1
2	004·0	992·4	012·9	004·7	000·8	993·9	008·4	994·2	004·4	998·6	995·1	972·0
3	008·0	004·0	008·1	006·0	996·1	985·9	018·0	008·2	005·0	999·3	988·9	973·8
4	006·0	002·6	008·1	006·3	006·6	996·1	017·9	012·2	017·9	996·7	001·8	988·9
5	006·3	003·5	012·6	008·0	006·1	999·8	012·2	003·4	028·6	017·9	016·2	000·5
6	004·7	002·0	014·9	007·0	999·9	992·4	003·4	993·1	028·4	021·8	025·9	016·2
7	011·5	004·7	018·6	014·5	997·2	992·5	996·8	986·1	022·7	020·8	031·1	025·9
8	011·7	008·4	016·7	012·2	999·3	996·8	986·1	979·0	020·8	014·1	030·6	029·2
9	015·9	010·5	017·2	011·3	002·3	996·1	986·8	978·5	014·1	010·3	032·0	029·0
10	015·5	009·9	016·6	009·2	996·1	987·0	994·0	986·2	023·3	012·0	031·9	028·4
11	018·6	012·7	009·9	006·3	996·4	981·8	001·0	994·0	029·4	023·2	028·4	021·1
12	016·9	015·3	007·2	001·3	010·8	996·2	000·7	992·1	036·5	029·4	021·1	013·7
13	015·4	011·5	012·7	001·2	011·1	005·2	992·1	982·4	038·9	035·5	013·7	005·2
14	011·8	010·4	021·2	012·6	017·9	006·6	993·9	983·2	035·5	028·9	011·2	004·2
15	010·4	002·5	022·4	017·0	025·7	017·5	004·1	993·9	028·9	024·9	009·7	000·7
16	009·7	001·9	017·2	013·7	023·4	019·5	998·2	993·5	025·9	024·2	008·9	998·4
17	013·6	009·7	017·8	010·4	019·5	999·0	008·2	994·6	024·6	015·4	003·1	986·1
18	016·6	013·5	022·0	017·3	999·0	992·4	014·4	991·7	015·4	006·6	002·1	994·7
19	015·2	010·7	022·0	017·3	013·1	994·2	015·5	994·6	011·4	004·1	006·5	997·2
20	010·7	006·4	017·8	014·3	019·7	013·1	994·6	988·6	004·1	996·8	017·9	006·5
21	006·9	005·9	020·2	016·6	020·4	014·1	998·0	989·7	002·0	998·1	017·3	004·8
22	009·8	004·7	028·3	020·1	014·1	998·5	999·0	986·4	999·3	976·4	011·0	002·7
23	010·2	004·9	028·7	027·1	001·1	997·4	001·7	998·0	987·3	979·9	008·6	998·6
24	004·9	999·5	027·5	026·3	000·3	984·8	006·7	997·4	998·9	987·3	027·4	002·1
25	999·7	994·8	026·4	023·1	988·1	983·6	007·5	988·8	005·6	995·5	031·6	027·4
26	995·8	992·5	023·1	014·7	011·0	988·1	992·6	985·8	995·5	973·3	029·1	016·6
27	992·7	991·3	017·6	011·8	024·2	011·0	999·0	991·4	014·3	975·1	016·8	011·9
28	001·2	991·0	017·9	016·5	024·2	022·3	008·9	998·8	018·6	011·1	012·2	004·7
29	004·2	001·2	017·2	010·5	022·6	016·2	008·4	981·3	011·1	999·2	004·9	996·5
30	004·1	000·9	010·5	001·6	016·2	004·9	997·3	981·1	001·7	995·2	002·4	997·5
31	004·0	001·2	012·0	004·9	-----	-----	009·7	997·3	-----	-----	003·3	993·2
Mean	1007 ·95	1003 ·36	1017 ·37	1011 ·87	1009 ·14	999 ·51	1002 ·75	991 ·93	1015 ·27	1005 ·70	1014 ·27	1004 ·61

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 81.

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, 1932.

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

85. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. February, 1932.

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

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

86. Aberdeen: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres. March, 1932.

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

87. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. April, 1932.

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

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

88. Aberdeen: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres. May, 1932.

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

89. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. June, 1932.

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

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, 1932.

Hour G. M. T.	1.	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	86·5	86·5	86·5	86·6	86·7	86·6	86·6	86·8	87·0	87·0	87·8	90·3	91·9	92·4	92·0	90·3	90·6	90·5	91·0	89·5	88·5	87·9	87·2	86·8	88·5
2	86·5	86·4	86·4	86·3	86·5	86·5	87·4	88·2	89·4	89·7	90·0	91·0	91·0	91·0	88·3	90·2	91·4	91·2	90·2	88·0	86·6	86·2	85·5	84·8	88·3
3	84·4	84·0	83·1	83·1	84·2	85·0	87·3	87·7	88·3	89·0	89·6	89·1	90·1	90·0	88·7	88·7	89·2	88·0	87·6	87·2	87·4	87·3	86·9	87·1	87·2
4	86·4	86·5	86·5	86·5	86·3	86·5	86·7	86·6	86·8	87·5	86·4	86·5	86·3	87·2	87·1	87·0	86·7	86·1	85·8	86·4	85·8	85·6	85·9	86·2	86·5
5	85·8	85·8	85·6	85·5	85·4	86·4	87·1	88·0	89·2	87·6	90·2	89·7	90·4	89·5	90·0	89·6	89·8	90·1	89·7	88·2	87·1	87·2	86·8	86·1	87·9
6	85·4	85·4	86·2	85·2	85·1	86·2	87·2	87·0	89·4	90·0	89·5	90·2	89·5	91·3	90·4	91·4	90·9	90·5	90·7	89·5	88·4	87·6	86·9	86·9	88·3
7	87·0	86·4	86·4	86·0	86·4	87·4	88·1	89·6	89·5	89·2	89·2	90·3	90·1	90·3	91·6	91·5	91·5	91·0	90·6	90·1	89·3	88·7	88·2	87·8	89·0
8	87·6	87·2	87·3	87·2	87·3	87·5	87·4	87·1	88·0	89·0	90·3	93·5	93·5	95·2	95·3	96·7	95·8	95·1	94·7	95·0	92·4	91·0	90·1	89·9	91·0
9	89·2	88·5	88·0	88·4	89·1	89·9	90·4	91·0	92·5	94·2	95·0	95·7	96·7	98·0	97·4	88·6	88·1	88·2	88·0	87·5	88·0	88·1	88·2	88·2	90·7
10	87·6	87·0	85·5	85·5	87·4	90·0	91·2	91·7	91·2	95·2	96·6	97·4	96·5	96·4	96·7	96·5	96·4	96·0	95·2	94·4	92·6	92·0	89·3	88·0	92·3
11	87·4	87·0	86·9	86·6	86·3	86·4	86·5	86·8	87·1	87·6	87·8	88·2	88·1	87·5	86·8	87·4	87·9	87·8	87·4	87·1	86·6	86·4	86·3	86·3	87·1
12	86·1	86·1	86·1	85·8	85·4	85·5	85·8	86·2	86·1	86·3	86·2	86·9	87·0	85·8	85·7	85·9	85·4	85·2	84·8	85·1	84·8	84·6	84·4	84·4	85·7
13	84·4	84·5	84·8	85·1	85·2	85·3	85·4	85·8	86·2	86·5	86·6	86·8	87·1	87·0	86·8	87·0	87·2	87·3	86·7	86·1	85·2	84·8	84·7	84·8	85·9
14	84·9	84·8	84·5	84·4	84·4	84·5	85·0	85·5	85·6	86·0	86·3	86·6	87·3	87·5	86·6	87·3	86·7	86·3	85·7	85·4	84·5	84·1	83·9	83·6	85·5
15	83·6	83·6	83·5	83·4	83·5	83·9	83·9	84·4	84·6	84·4	85·4	85·9	85·8	86·2	85·8	85·5	85·4	84·8	84·5	84·3	83·7	83·5	83·7	84·3	84·5
16	84·4	84·4	84·2	84·1	83·8	83·5	83·5	83·9	84·3	84·4	85·0	85·3	85·2	86·0	86·2	86·4	87·0	86·7	85·7	85·1	85·0	84·7	84·4	84·0	84·9
17	83·6	83·3	83·2	83·3	83·3	84·3	85·3	84·7	83·3	84·4	85·4	85·8	86·3	86·4	86·5	85·6	85·3	85·0	84·6	84·4	84·1	83·7	83·8	83·7	84·6
18	83·6	83·8	83·5	83·5	83·5	84·0	84·3	84·5	85·0	85·2	86·2	86·3	86·9	87·2	88·3	89·2	89·6	89·7	89·0	87·3	86·5	86·8	87·1	87·0	86·1
19	87·0	87·6	86·9	87·2	87·3	88·0	88·7	89·5	90·4	92·0	91·9	92·8	93·1	91·0	90·8	90·7	90·4	90·1	89·6	88·8	88·5	86·6	86·4	86·3	89·2
20	86·5	85·3	84·8	84·4	84·4	84·6	85·0	86·6	87·4	88·3	87·3	87·0	88·2	88·6	88·6	86·3	86·0	85·8	86·4	86·4	85·7	85·2	85·2	85·1	86·2
21	85·2	84·7	84·4	84·3	84·3	85·2	86·4	87·0	87·7	88·0	87·4	86·9	87·2	86·4	87·4	86·7	87·5	87·9	87·8	86·9	86·4	85·6	85·5	85·0	86·3
22	84·5	84·5	84·0	83·4	83·3	83·7	84·4	84·8	85·9	85·4	85·0	85·4	85·9	86·1	86·5	86·0	86·1	85·9	86·3	85·5	84·6	83·3	82·7	82·8	84·9
23	83·4	83·3	83·4	83·4	83·3	83·9	85·0	85·8	86·8	86·9	87·2	87·5	88·1	88·3	87·5	87·9	87·6	87·0	86·5	86·0	85·8	85·5	85·5	85·5	85·8
24	85·6	85·4	85·4	85·2	85·0	84·9	84·9	85·1	85·4	85·6	86·4	86·6	86·6	87·2	87·6	88·1	87·6	88·1	88·7	88·1	86·2	86·6	86·2	85·5	86·3
25	85·0	85·1	84·9	84·6	84·7	84·6	84·9	85·0	85·1	85·7	85·8	86·6	88·6	87·3	88·0	88·6	88·6	88·5	88·4	87·4	87·0	86·6	86·2	85·3	86·4
26	83·8	83·0	82·5	82·3	81·8	83·2	85·8	86·7	85·5	87·3	85·9	85·8	86·1	86·2	86·3	86·1	85·9	86·0	85·8	85·3	85·2	84·9	84·7	84·6	85·0
27	84·5	84·5	84·4	84·4	84·5	84·7	85·2	85·4	86·7	87·0	87·2	88·4	89·0	89·1	88·6	88·4	88·4	88·4	89·0	87·6	86·6	86·0	85·7	85·5	86·6
28	85·4	85·5	85·4	85·2	85·1	86·3	86·4	86·8	87·6	89·0	88·9	89·5	88·3	89·9	89·5	89·5	88·9	88·5	88·4	86·9	86·2	85·4	85·1	86·3	87·2
29	86·2	85·4	84·9	83·3	83·7	85·0	86·3	87·7	88·9	89·6	88·4	88·9	89·2	89·0	89·0	88·9	88·2	87·8	87·5	86·7	86·5	86·1	85·9	86·0	87·1
30	86·0	85·9	86·2	85·8	85·9	86·0	86·2	86·4	86·7	87·1	88·0	89·6	90·9	90·1	91·2	90·5	91·2	90·5	89·8	90·0	89·6	89·2	88·6	88·4	88·3
31	88·0	87·4	87·3	87·2	87·4	88·2	89·4	90·2	89·3	90·2	91·1	91·5	90·6	88·8	88·5	88·9	88·4	88·2	88·4	88·2	87·6	87·4	86·6	86·4	88·6
Mean	85·6	85·4	85·2	85·1	85·2	85·7	86·4	86·9	87·3	87·9	88·2	88·8	89·1	89·1	89·0	88·8	88·7	88·5	88·2	87·6	86·9	86·4	86·1	85·9	87·2

91. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. August, 1932.

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	86·1	86·0	85·9	85·4	85·2	85·2	85·2	85·6	85·8	86·2	86·0	86·9	86·4	86·3	86·3	86·2	85·5	85·0	86·9	85·0	83·1	82·6	81·6	81·0	85·3
2	80·5	81·0	82·5	83·1	83·5	84·1	85·1	86·1	87·1	88·2	89·2	89·2	89·1	88·1	87·7	88·0	87·9	86·3	86·2	86·2	86·1	86·1	86·6	86·5	85·9
3	86·0	85·6	85·5	85·9	85·9	85·7	86·8	86·9	88·5	89·3	90·1	90·5	91·7	91·9	90·8	88·1	87·3	87·9	87·3	87·1	86·7	85·8	85·4	85·3	87·6
4	84·8	84·0	83·8	84·3	84·4	85·0	86·8	87·3	88·4	89·5	90·5	92·2	88·0	90·6	88·2	88·6	89·5	89·6	89·1	88·9	88·4	87·6	86·6	86·6	87·6
5	86·7	86·5	86·1	85·6	85·8	86·2	86·7	87·2	88·3	88·5	89·7	89·6	90·4	91·0	91·0	89·8	89·9	89·6	89·5	89·0	88·6	88·5	88·2	88·1	88·3
6	87·8	88·1	88·0	88·1	87·7	88·8	91·3	92·0	92·5	93·3	93·4	93·1	93·0	93·8	92·3	93·9	93·5	93·7	93·3	91·9	91·0	87·8	86·3	86·4	90·9
7	85·8	85·4	85·5	85·4	86·0	86·5	87·4	88·3	89·9	90·7	91·0	91·7	92·7	91·8	92·1	92·0	92·2	91·8	91·3	90·4	89·8	88·7	88·2	88·0	89·2
8	87·8	87·2	87·1	87·3	87·1	87·3	87·8	88·2	89·3	90·1	91·5	91·3	92·1	92·8	93·0	93·3	93·3	92·6	92·3	90·2	89·5	88·7	88·3	88·0	89·8
9	87·9	87·8	87·4	87·2	87·4	87·6	88·0	89·9	89·7	90·9	91·2	90·9	90·9	90·8	88·3	88·0	88·0	88·1	87·9	87·1	86·7	87·0	86·8	86·9	88·5
10	86·2	86·7	86·6	86·5	86·8	86·8	87·7	88·0	90·3	90·9	91·8	90·5	92·0	92·1	92·2	94·1	91·5	91·0	89·9	90·0	89·8	89·6	89·3	88·9	89·5
11	88·6	88·2	88·3	88·4	88·6	89·4	90·2	90·8	90·3	91·6	93·2	92·8	92·0	91·1	91·2	91·8	92·3	92·4	91·2	88·4	87·9	87·7	87·7	87·9	90·1
12	87·8	87·9	88·0	87·2	87·6	88·0	88·6	89·5	89·9	90·0	91·1	92·5	92·6	91·4	94·7	94·2	93·2	92·0	91·3	90·8	89·5	89·3	88·9	88·9	90·2
13	89·0	88·6	88·6	88·7	88·5	89·1	89·7	91·0	91·8	91·9	90·1	89·5	89·4	88·8	89·1	89·6	88·4	88·3	87·8	87·1	87·0	87·0	86·9	86·7	88·9
14	86·6	86·5	86·1	86·1	85·9	86·0	86·0	86·0	86·5	86·1	86·5	86·6	86·9	87·1	86·9	87·1	87·0	86·8	86·8	86·5	86·3	85·9	85·5	85·4	86·4
15	35·6	85·4	85·4	85·5	85·6	86·0	86·3	86·8	86·8	86·9	87·3	87·8	88·6	88·5	88·3	87·9	87·6	87·6	87·2	86·9	86·7	86·8	86·9	86·8	86·9
16	86·7	87·0	87·4	87·5	87·4	87·6	88·3	89·3	91·4	92·3	93·0	92·2	92·3	92·4	94·2	91·1	90·7	90·8	88·9	88·5	88·0	88·3	88·4	88·8	89·6
17	89·6	90·2	89·1	88·5	89·0	89·6	90·5	92·2	93·9	94·8	94·8	94·4	94·4	94·3	90·6	90·2	89·2	89·2	89·3	88·5	88·2	87·9	87·8	87·6	90·6
18	87·2	87·0	86·5	86·5	86·1	86·0	87·1	88·2	89·4	89·7	90·6	91·0	90·3	89·9	90·1	90·0	90·0	90·4	89·3	87·4	86·6	86·5	85·4	84·9	88·2
19	85·4	85·0	84·6	84·4	84·1	84·6	86·0	87·1	87·8	87·9	88·0	88·4	88·3	87·9	87·8	87·7	87·2	87·0	86·6	86·4	86·1	86·0	85·9	85·8	86·5
20	85·8	85·7	85·6	85·5	85·3	85·4	85·9	86·8	86·8	87·2	87·2	87·3	88·7	87·9	87·8	87·0	86·0	86·5	87·0	85·7	85·0	84·0	83·4	83·2	86·2
21	82·5	82·3	82·6	82·5	82·3	82·4	83·0	84·4	84·9	84·9	84·9	85·6	85·9	85·8	85·1	85·6	84·4	84·7	85·4	85·3	84·8	84·5	84·4	84·1	84·2
22	84·0	83·9	83·9	83·8	83·7	83·7	84·1	84·6	84·9	85·4	85·5	85·5	85·8	86·4	86·6	86·5	86·2	85·7	84·8	83·7	82·4	81·7	81·0	80·5	84·4
23	79·4	78·8	79·0	78·2	78·0	78·0	78·6	81·7	83·8	85·0	86·3	86·0	86·7	87·6	87·7	87·4	87·3	86·8	86·2	85·0	84·4	82·4	81·6	81·4	83·2
24	80·3	79·6	79·4	79·4	78·4	78·9	81·0	83·1	85·8	85·6	86·5	86·8	87·0	87·2	87·2	86·6	86·5	86·6	85·9	85·4	84·7	84·5	84·0	83·8	83·9
25	83·2	82·7	82·5	82·2	82·1	81·4	83·4	85·2	86·3	87·4	87·9	88·4	88·3	88·1	87·5	87·4	87·1	86·9	86·3	85·6	85·9	85·9	85·8	85·7	85·5
26	85·7	85·8	85·8	85·7	85·8	85·9	86·2	86·4	86·2	87·0	87·4	87·0	87·4	87·9	87·9	87·2	86·9	86·8	86·5	86·3	86·4	86·4	86·2	86·5	86·5
27	86·6	86·4	86·4	86·3	85·9	86·0	86·6	87·3	87·6	88·0	89·2	91·8	92·2	92·4	91·7	90·6	90·5	89·9	88·2	86·8	86·3	85·7	84·3	85·6	88·0
28	85·9	85·1	86·3	84·3	84·5	85·1	87·1	87·6	88·7	89·6	89·8	90·6	90·6	90·6	90·4	90·2	89·3	88·4	87·5	87·2	87·2	87·1	87·0	87·0	87·8
29	86·8	86·6	86·5	86·5	86·4	86·5	87·3	88·2	88·0	88·4	88·0	87·7	87·6	88·2	87·9	88·0	87·6	87·4	87·0	86·6	86·5	86·7	86·7	86·6	87·2
30	86·5	86·6	86·7	86·6	86·7	86·8	86·9	86·9	87·0	87·1	87·3	87·4	87·5	87·9	87·8	88·2	88·1	88·0	87·8	87·5	86·6	86·5	85·7	84·7	87·1
31	84·6	83·8	83·4	82·9	82·8	83·4	84·4	85·6	87·3	87·6	88·6	89·7	89·2	89·0	88·9	89·5	90·0	90·3	88·8	88·0	87·5	87·0	86·9	86·3	86·9
Mean	85·7	85·5	85·5	85·3	85·3	85·6	86·5	87·4	88·2	88·8	89·3	89·5	89·6	89·7	89·4	89·2	88·8	88·6	88·2	87·4	86·9	86·5	86·1	85·9	87·5
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

92. Aberdeen: North Wall Screen on Tower: h_t (height of thermometer bulb above ground) = 12·5 metres. September, 1932.

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

93. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. October, 1932.

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

From readings in degrees absolute at exact hours, Greenwich Mean Time.

94. Aberdeen: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres. November, 1932.

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

95. Aberdeen: North Wall Screen On Tower; h_t = 12·5 metres. December, 1932.

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

NOTE.- The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is 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. **1932.**

Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	24	Mean.
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
80·28	80·13	80·05	79·96	79·99	80·15	80·50	80·91	81·50	82·01	82·49	82·94	83·00	83·10	83·00	82·76	82·46	82·06	81·72	81·35	81·03	80·80	80·56	80·41	81·38

TEMPERATURE

~~RELATIVE HUMIDITY~~: 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. **1932.**

Month.	Mean.	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	24
		°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	278·91	-0·50	-0·62	-0·70	-0·64	-0·67	-0·81	-0·71	-0·79	-0·65	-0·39	+0·06	+0·73	+1·21	+1·32	+1·42	+1·09	+0·79	+0·40	+0·35	+0·21	+0·01	-0·26	-0·37	-0·42
Feb.	278·24	-0·78	-0·89	-0·95	-0·91	-0·91	-0·92	-0·98	-0·87	-0·35	+0·19	+0·81	+1·26	+1·46	+1·58	+1·65	+1·37	+0·92	+0·28	+0·01	-0·13	-0·22	-0·37	-0·61	-0·69
Mar.	277·80	-0·92	-0·99	-0·95	-1·12	-1·08	-1·16	-1·10	-0·73	-0·13	+0·48	+1·17	+1·49	+1·69	+1·65	+1·56	+1·27	+0·90	+0·46	+0·11	-0·18	-0·36	-0·44	-0·75	-0·83
Apr.	278·30	-1·50	-1·65	-1·75	-1·79	-1·90	-1·73	-1·25	-0·40	+0·49	+1·13	+1·45	+1·66	+1·93	+1·99	+1·82	+1·87	+1·63	+1·18	+0·40	-0·13	-0·51	-0·73	-0·97	-1·27
May.	281·53	-1·24	-1·32	-1·48	-1·69	-1·46	-0·94	-0·34	+0·07	+0·43	+0·76	+1·14	+1·34	+1·25	+1·46	+1·46	+1·38	+1·27	+0·79	+0·40	-0·11	-0·44	-0·71	-0·89	-1·15
June.	284·56	-1·89	-2·19	-2·30	-2·36	-1·94	-1·13	-0·28	+0·35	+0·98	+1·26	+1·64	+1·74	+1·80	+1·79	+1·73	+1·50	+1·29	+1·06	+0·73	+0·14	-0·42	-0·75	-1·18	-1·58
July.	287·16	-1·51	-1·71	-1·94	-2·09	-1·98	-1·43	-0·78	-0·31	+0·16	+0·75	+1·03	+1·61	+1·92	+1·97	+1·86	+1·59	+1·54	+1·30	+1·05	+0·40	-0·31	-0·75	-1·11	-1·27
Aug.	287·45	-1·73	-1·92	-1·95	-2·11	-2·14	-1·87	-1·00	-0·09	+0·77	+1·32	+1·83	+2·06	+2·16	+2·21	+1·95	+1·77	+1·39	+1·20	+0·73	-0·05	-0·56	-0·99	-1·40	-1·51
Sept.	284·27	-1·49	-1·80	-1·91	-2·02	-2·01	-1·99	-1·57	-0·78	+0·33	+1·24	+1·96	+2·31	+2·23	+2·50	+2·28	+2·05	+1·66	+0·92	+0·24	-0·13	-0·60	-0·87	-1·19	-1·33
Oct.	280·49	-0·85	-0·91	-1·04	-1·19	-1·25	-1·43	-1·25	-0·87	-0·03	+0·63	+1·10	+1·57	+1·65	+1·78	+1·65	+1·32	+0·86	+0·36	+0·14	-0·07	-0·29	-0·47	-0·69	-0·74
Nov.	278·77	-0·56	-0·60	-0·56	-0·63	-0·88	-0·88	-0·86	-0·68	-0·22	+0·20	+0·70	+1·09	+1·36	+1·52	+1·41	+1·02	+0·61	+0·20	-0·07	-0·23	-0·35	-0·41	-0·48	-0·61
Dec.	278·85	-0·15	-0·27	-0·30	-0·34	-0·33	-0·38	-0·43	-0·42	-0·27	0·00	+0·40	+0·67	+0·87	+0·93	+0·65	+0·36	+0·18	+0·02	-0·15	-0·08	-0·15	-0·25	-0·32	-0·25
Year.	281·38	-1·09	-1·24	-1·32	-1·41	-1·38	-1·22	-0·88	-0·46	+0·13	+0·63	+1·11	+1·46	+1·63	+1·73	+1·62	+1·38	+1·09	+0·68	+0·34	-0·03	-0·35	-0·58	-0·83	-0·97

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. **1932.**

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

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, 1932.**

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

100. **Aberdeen:** North Wall Screen on Tower: h_t = 12·5 metres. **February, 1932.**

Hour G. M. T.	1.	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	84	88	88	87	87	87	83	81	81	81	78	76	77	81	81	77	77	79	83	85	82	88	85	79	82·4	9·0
2	73	73	72	73	76	76	67	69	71	74	70	67	63	60	60	64	66	68	71	73	76	82	83	82	71·1	7·9
3	83	81	80	82	83	89	91	91	91	92	92	88	87	85	83	88	89	94	98	99	98	94	96	93	89·2	10·5
4	94	93	98	96	94	98	99	98	96	97	96	88	86	83	79	79	79	92	83	82	82	84	92	88	89·9	8·4
5	92	92	98	95	92	92	94	95	95	91	93	86	84	84	86	83	86	86	89	89	88	88	88	87	89·7	8·0
6	85	87	86	85	87	84	86	87	87	84	78	79	85	85	88	86	85	89	92	94	97	97	97	99	87·6	8·2
7	99	99	97	92	78	77	76	79	76	76	86	68	63	70	61	67	71	73	89	82	77	76	76	75	79·0	7·7
8	74	77	82	81	81	81	84	82	84	80	65	65	64	67	74	80	78	87	89	76	79	78	76	76	77·5	6·8
9	82	84	85	88	90	87	85	85	85	84	77	76	72	71	66	71	80	87	84	87	84	85	85	85	81·7	6·9
10	80	70	65	66	69	60	72	72	58	58	57	57	52	55	62	57	57	66	81	78	81	73	64	63	66·0	4·4
11	70	71	74	72	75	77	82	91	92	85	77	77	65	69	75	76	68	74	67	72	64	70	82	82	74·9	5·9
12	80	82	69	71	66	67	69	61	65	63	61	62	61	61	59	62	70	78	72	73	71	70	72	76	68·5	5·7
13	85	87	87	90	90	88	92	97	87	82	74	79	87	84	81	82	87	84	79	79	85	85	84	87	84·9	7·0
14	93	92	87	88	82	80	80	77	77	77	76	72	68	68	66	70	75	78	81	79	81	78	81	83	78·8	6·8
15	85	76	77	82	86	88	86	85	84	81	77	74	83	82	74	77	83	84	85	71	86	87	87	87	81·9	7·6
16	85	87	85	85	82	80	78	82	78	82	75	71	69	65	64	62	67	74	81	82	87	85	94	87	78·6	6·5
17	90	90	92	87	89	87	87	89	82	84	65	61	64	64	63	62	68	80	80	85	85	91	91	94	80·3	5·9
18	94	95	95	94	96	94	94	94	92	85	71	70	63	59	61	70	67	70	71	78	76	92	82	80	81·3	5·4
19	76	75	74	83	74	80	76	69	76	77	96	90	69	73	67	70	72	81	80	84	82	82	82	77	77·3	6·9
20	74	83	84	79	78	80	80	80	75	75	68	58	57	59	58	58	70	76	83	78	82	77	70	72	73·2	5·4
21	75	75	81	76	74	77	74	79	74	74	69	72	81	73	73	73	71	69	71	74	73	73	76	74	74·2	7·0
22	77	80	79	79	80	79	78	81	79	73	68	69	63	66	70	85	77	77	76	74	77	81	78	87	76·1	8·0
23	86	84	78	73	72	76	74	74	70	72	76	80	83	80	75	74	76	77	72	73	83	80	74	72	76·7	8·4
24	85	87	89	92	96	96	90	92	92	87	83	86	77	78	81	84	86	91	93	94	94	94	94	94	88·5	8·1
25	96	96	92	96	92	92	92	94	96	90	96	93	97	97	99	94	94	94	96	89	91	92	92	90	93·8	8·2
26	90	93	93	90	87	85	86	82	79	80	73	74	76	76	74	77	76	79	84	84	86	86	86	84	82·6	7·9
27	89	92	94	95	94	94	92	86	82	74	69	79	75	77	78	83	86	93	90	90	85	85	85	93	85·6	7·9
28	90	90	96	90	91	89	93	96	80	75	68	69	65	64	67	66	66	67	66	66	65	69	62	64	76·2	5·6
29	63	65	69	66	66	66	70	70	69	67	65	68	64	65	67	67	66	65	60	68	67	71	75	64	66·8	5·4
Mean	83·8	84·3	84·3	83·9	83·0	83·0	83·1	83·4	81·1	79·3	75·8	74·3	72·4	72·4	72·1	73·9	75·6	79·7	80·9	80·6	81·5	82·5	82·4	81·9	79·8	7·2†
Vapour Pressure *	mb. 7·1	mb. 7·1	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·9	mb. 6·9	mb. 7·0	mb. 7·0	mb. 7·1	mb. 7·1	mb. 7·2	mb. 7·1	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·0	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 temperatures and the 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, 1932.

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

102. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. April, 1932.

Hour G. M. T.	1.	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	100	99	98	94	92	91	86	81	79	94	94	87	93	89	87	85	83	87	88	93	94	87	93	96	90·5	6·1
2	96	96	98	98	96	92	94	82	72	68	62	68	69	79	87	91	92	94	96	96	94	89	88	93	87·1	6·3
3	90	89	93	90	89	86	86	90	89	86	85	86	77	74	75	79	77	78	74	80	85	80	91	84	84·1	7·2
4	84	91	78	91	93	95	94	82	76	69	66	73	70	77	67	65	65	70	80	85	88	88	90	89	80·1	6·8
5	87	91	87	91	84	85	85	80	77	79	71	64	64	70	61	67	78	71	71	68	68	69	70	74	75·8	6·6
6	80	80	88	92	94	94	94	88	77	67	63	57	60	58	54	48	50	58	75	82	67	62	67	67	71·9	7·3
7	82	71	77	70	80	79	68	63	58	54	51	58	54	69	71	51	56	82	88	92	93	87	79	95	71·4	6·0
8	82	87	94	90	80	84	79	74	65	63	62	63	74	61	79	74	56	62	70	75	78	82	78	82	75·0	5·7
9	80	80	70	73	87	96	94	94	93	90	91	81	75	75	71	70	77	63	51	52	57	60	77	72	76·4	7·3
10	70	66	79	77	74	74	71	72	70	72	72	65	88	72	65	78	59	65	56	62	72	83	78	80	71·5	6·6
11	77	80	93	90	87	89	90	74	61	56	71	94	68	58	75	85	84	85	79	85	76	90	87	82	79·8	6·1
12	84	81	82	76	82	87	94	89	96	87	76	64	60	55	53	56	68	78	78	80	82	80	77	77	76·9	5·9
13	75	73	77	76	78	77	68	62	60	68	69	70	73	77	79	81	86	86	86	86	89	89	87	84	77·2	6·8
14	87	88	91	93	91	91	93	94	93	91	86	83	84	90	88	85	89	93	84	91	90	90	93	91	89·4	8·8
15	88	90	88	88	93	91	91	90	86	90	89	89	88	89	88	86	86	85	84	86	90	88	87	83	88·2	8·7
16	83	87	85	85	82	78	79	80	72	73	74	76	79	86	77	82	86	83	87	83	77	84	83	94	81·2	7·4
17	92	92	92	94	94	94	84	85	84	74	65	60	56	54	69	68	65	72	84	91	85	89	89	81	80·0	7·0
18	81	77	75	70	63	64	78	68	57	64	60	60	58	52	52	51	56	62	63	65	68	68	71	71	65·0	5·7
19	74	78	76	78	78	77	75	65	63	56	56	72	68	69	73	60	61	64	68	71	74	76	79	77	70·2	7·5
20	81	77	79	79	83	81	77	64	65	71	69	67	75	74	69	71	71	74	78	78	82	87	88	88	75·9	7·3
21	89	94	91	89	92	87	87	84	74	79	80	80	73	76	77	81	80	79	86	88	86	87	90	92	84·1	7·4
22	92	84	86	86	83	80	78	74	67	54	75	81	82	77	82	69	64	56	72	72	76	81	88	96	77·2	7·8
23	100	99	96	85	86	91	76	76	71	60	57	51	56	90	86	94	82	87	92	86	92	89	92	93	82·9	6·9
24	86	82	82	81	84	78	75	64	52	57	51	56	50	50	50	52	54	55	60	69	75	85	87	72	67·4	6·4
25	69	68	74	74	77	73	77	65	62	47	42	58	45	50	43	42	51	59	56	61	64	68	66	64	60·8	4·9
26	69	71	69	64	59	60	60	70	66	65	64	61	67	61	83	80	80	81	88	84	82	87	85	84	72·1	6·4
27	84	85	87	83	85	85	79	75	71	65	72	73	63	61	69	65	70	74	81	84	84	84	83	87	77·0	7·4
28	87	88	86	84	80	83	96	96	96	96	99	98	98	96	98	99	99	100	100	100	100	100	100	100	94·7	9·3
29	100	100	100	100	100	100	100	100	100	100	100	100	98	99	96	98	99	100	100	100	100	100	100	100	99·6	10·1
30	100	99	100	100	100	100	100	100	99	96	98	96	86	89	89	86	95	88	87	98	100	100	100	100	95·7	9·9
Mean	85·0	84·8	85·7	84·7	84·9	84·7	83·6	79·4	75·0	73·0	72·3	73·0	71·7	72·6	73·8	73·3	73·6	76·4	78·7	81·4	82·3	83·6	84·8	84·9	79·3	7·1†
Vapour Pressure *	mb. 6·8	mb. 6·7	mb. 6·7	mb. 6·6	mb. 6·6	mb. 6·7	mb. 6·8	mb. 6·9	mb. 6·9	mb. 7·0	mb. 7·1	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·5	mb. 7·4	mb. 7·4	mb. 7·4	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·0	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 temperatures and the mean relative humidity. † Mean of the column. ‡ Mean of the row.

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, 1932.

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

104. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. — June, 1932.

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

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

Percentages at exact hours, Greenwich Mean Time.

105. Aberdeen: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres. July, 1932.

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

106. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. August, 1932.

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

Percentages at exact hours, Greenwich Mean Time.

107. Aberdeen: North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres. September, 1932.

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

108. Aberdeen: North Wall Screen on Tower: h_t = 12·5 metres. October, 1932.

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

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

RELATIVE HUMIDITY.

Percentages at exact hours, Greenwich Mean Time.

109. **Aberdeen:** North Wall Screen on Tower: h_t (height of thermometer bulbs above the ground) = 12·5 metres. **November, 1932.**

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

110. **Aberdeen:** North Wall Screen on Tower: h_t = 12·5 metres. **December, 1932.**

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

* Computed from the mean temperatures and the mean relative humility. † Mean of the column. ‡ Mean of the row.

HUMIDITY: 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. **1932.**

Hour G. M. T.	1.	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.	85·8	86·3	86·6	86·8	86·6	86·2	85·1	83·5	81·1	79·4	77·3	76·2	75·2	75·2	76·0	77·0	78·3	80·3	81·3	82·7	83·9	84·9	85·9	85·9	82·0
	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.
Vapour Pressure in millibars*.	8·8	8·7	8·7	8·7	8·7	8·7	8·8	8·9	9·0	9·0	9·2	9·3	9·2	9·3	9·3	9·3	9·3	9·3	9·2	9·0	9·0	9·0	8·9	8·9	9·0

*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. **1932.**

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.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	83·2	+0·9	+1·9	+2·7	+0·9	+1·5	+2·9	+2·1	+3·2	+1·9	+1·2	+0·3	-1·9	-3·9	-2·8	-4·5	-2·4	-1·6	-1·1	-2·5	-2·1	-1·0	+0·5	+2·2	+1·5
Feb.	79·8	+3·6	+4·2	+4·3	+3·9	+3·0	+3·0	+3·1	+3·5	+1·2	-0·6	-4·0	-5·5	-7·4	-7·3	-7·6	-5·8	-4·1	+0·1	+1·3	+1·0	+2·0	+3·0	+2·9	+2·4
Mar.	81·9	+3·5	+3·7	+4·3	+5·5	+4·7	+5·8	+5·4	+3·3	+0·9	-0·5	-6·4	-6·9	-8·7	-8·0	-7·5	-6·4	-4·1	-1·2	-0·2	+1·3	+2·7	+2·7	+3·9	+3·6
Apr.	79·3	+5·7	+5·5	+6·4	+5·4	+5·6	+5·4	+4·3	+0·1	-4·3	-6·3	-7·0	-6·3	-7·6	-6·7	-5·5	-6·0	-5·7	-2·9	-0·6	+2·1	+3·0	+4·3	+5·5	+5·6
May.	83·5	+5·0	+4·9	+4·7	+4·7	+4·8	+3·7	+1·4	-0·5	-2·3	-3·4	-5·1	-5·2	-5·4	-5·0	-6·3	-6·2	-5·2	-3·2	-0·5	+1·5	+2·4	+4·1	+4·8	+6·2
June.	76·7	+7·1	+7·6	+7·8	+7·9	+7·1	+4·5	+2·2	-0·8	-4·5	-5·3	-6·7	-7·7	-7·2	-6·8	-6·3	-5·6	-4·7	-4·1	-3·1	-0·1	+2·4	+3·6	+5·7	+6·8
July.	82·1	+5·7	+5·4	+6·3	+6·4	+6·5	+4·9	+3·2	+1·1	-1·1	-2·8	-3·7	-5·7	-7·5	-7·5	-6·7	-6·0	-6·0	-5·1	-3·4	-1·0	+1·8	+4·4	+5·8	+5·2
Aug.	80·8	+6·0	+6·5	+5·9	+6·8	+7·0	+6·0	+2·5	-0·4	-3·6	-6·8	-8·3	-9·6	-9·6	-9·4	-6·3	-5·1	-3·1	-1·7	-0·9	+2·5	+3·7	+5·2	+6·6	+6·0
Sept.	81·9	+5·0	+7·1	+7·3	+7·3	+6·2	+5·2	+5·0	+3·0	-0·8	-5·2	-8·6	-9·6	-9·5	-11·2	-8·4	-7·1	-5·9	-0·8	+2·1	+2·5	+3·7	+3·2	+4·6	+4·8
Oct.	85·4	+3·3	+2·5	+2·0	+3·3	+3·4	+3·6	+2·4	+0·8	-1·4	-2·4	-3·6	-5·0	-6·3	-7·5	-5·4	-4·0	-1·9	+1·3	+1·2	+1·9	+2·6	+2·7	+3·0	+3·3
Nov.	83·4	+0·2	+1·5	+2·1	+3·1	+3·4	+3·7	+3·1	+3·0	+1·8	+0·8	-2·3	-4·6	-5·1	-5·1	-5·0	-3·3	-1·6	-1·1	-0·2	+0·5	+0·9	+1·1	+1·7	+1·5
Dec.	85·6	+0·1	+1·3	+1·7	+2·4	+2·8	+2·7	+2·6	+1·7	+1·4	+0·7	-0·8	-1·5	-2·4	-3·6	-2·5	-2·1	-0·9	-0·2	-0·9	-1·8	-0·7	0·0	+0·1	0·0
Year.	82·0	+3·8	+4·4	+4·6	+4·8	+4·7	+4·3	+3·1	+1·5	-0·9	-2·6	-4·7	-5·8	-6·7	-6·7	-6·0	-5·0	-3·7	-1·7	-0·6	+0·7	+2·0	+2·9	+3·9	+3·9

† See page 21.

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 = 11·4 metres + 0·6 metres. **1932.**

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
	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.
Amount.	25·7	33·7	33·3	33·0	42·4	30·6	34·8	42·4	38·2	34·7	34·2	34·8	38·7	34·7	32·2	30·6	30·0	31·5	37·6	38·2	29·6	24·0	28·2	39·7	812·8
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Duration.	36·6	33·7	39·6	41·6	40·9	39·2	41·0	40·4	38·9	28·1	28·4	23·3	26·4	23·4	25·7	25·0	27·7	30·8	33·9	33·0	31·4	34·4	33·7	32·3	789·4

114. Aberdeen: NOTES ON RAINFALL. **1932.**

Notable Falls of the Year. There was no fall during the year sufficient in quantity to call for special remark. The greatest intensities recorded were 5 mm. in 6 minutes during thunderstorms on June 26 and August 12, and 10 mm. in 12 minutes on the latter date.

Dry Periods.

Jan. 22 - Feb. 7.	15 days with only a trace of rain.
Feb. 16 - 23.	8 days with 0·1 mm.
Feb. 26 - Mar. 5.	9 days with 0·2 mm.
June 9 - 23.	15 days with only a trace.
(In the 26 days from May 31st to June 25th, only 2·8 mm. of rain fell).	
Aug. 20 - 29.	10 days with 0·1 mm.

Wet Periods.

Mar 21 -31.	11 days with 83 mm.
Sept. 7 - 11.	5 days with 48 mm.
Oct. 8 - 10	52 mm. in 3 days. Of this total 32 mm. fell on the 8th.

October was exceptionally wet, 169 mm. being recorded during that month.

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) = 11·4 metres + 0·6 metres. January, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	...	...	...	...	·5	·7	1·4	1·4	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·7	4·1
2	...	...	...	...	...	·4	1·8	1·5	·9	1·2	·5	2·0	1·1	·1	...	...	...	...	...	...	...	...	...	...	9·5	7·6
3	...	·5	·9	·3	·5	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	3·4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	0·2	0·3
5	...	...	...	...	...	...	...	...	...	...	...	...	·5	·4	·1	...	...	...	...	...	...	...	...	...	1·0	1·7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	0·4	0·5
7	...	...	...	...	...	...	...	...	...	(*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	(·6)	...	...	...	...	(*)	...	(*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·4	3·6	1·8	1·0	·1	...	...	...	...	9·1	5·3
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·7	1·2	1·6
13	·5	·1	...	·3	·1	...	·5	·1	·3	...	...	...	...	·1	·2	...	...	...	...	...	...	...	·2	...	2·4	5·1
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	0·4	0·4
15	·3	·5	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	2·5	2·3	6·6	4·6
16	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	·1	...	...	...	...	...	...	0·4	(2·0)
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	0·5	0·6
20	·1	·6	·3	·2	·9	1·0	1·0	(·9)	(·6)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·7	(8·8)
21	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·3	0·9	1·9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	·4	1·3	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	2·5	2·4
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·1	1·7	2·6	0·9	2·0	2·9	4·8	3·9	2·9	2·6	1·2	2·1	1·6	0·6	1·5	1·4	3·7	1·9	1·5	0·1	0·2	0·6	3·7	3·7	49·2	50·8
Total Duration.	hr. 2·8	hr. 2·6	hr. 3·6	hr. 2·3	hr. 2·9	hr. 2·6	hr. 4·0	hr. 3·8	hr. 3·6	hr. 2·2	hr. 1·6	hr. 1·4	hr. 1·9	hr. 1·1	hr. 1·1	hr. 1·0	hr. 2·0	hr. 1·5	hr. 1·6	hr. 0·4	hr. 0·3	hr. 0·6	hr. 3·2	hr. 2·7	hr. 50·8	

116. Aberdeen: H_r = 11·4 metres + 0·6 metres. February, 1932.

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

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) = 11·4 metres + 0·6 metres.

March, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·9)	(1·6)	1·7	(4·2)	(3·0)
7	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	(·4)	(·1)	...	...	...	...	(0·7)	(2·0)
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·4)	(·3)	...	(0·7)	(1·1)
9	...	...	...	...	...	...	...	...	...	...	(*)	(·1)	...	...	...	...	...	(·3)	...	(2·1)	(1·0)	(·4)	(·2)	(·1)	(4·2)	(2·6)
10	...	...	...	·1	...	·4	·3	(·2)	(·4)	(·2)	(·1)	(·2)	...	(·2)	(·2)	(·2)	(·2)	...	(·1)	...	...	(·1)	(1·1)	(·8)	(4·8)	(5·0)
11	(·2)	(·2)	(·3)	(·3)	(·3)	(·1)	(·2)	·6	·4	...	...	...	...	...	...	...	(*)	...	...	...	...	...	...	...	(2·6)	(2·8)
12	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	(...)	...	(...)	...	...	...	...	...	0·1	0·1
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	(...)	...	(...)	...	...	(...)	...	...	...	...	...	...
17	·1	·2	...	...	...	...	...	...	...	...	...	(...)	...	...	(...)	...	...	(...)	...	...	...	...	...	...	0·3	0·6
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	(...)	...	...	...	...	...	...	...	0·3	0·4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	0·3	1·5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·4	·5	·1	·1	·1	(...)	2·6	4·6
21	·1	(...)	...	·2	·5	1·2	·8	·2	·1	·4	·2	(...)	·2	·4	·2	·1	·1	·2	(...)	(...)	...	...	...	·1	5·0	12·6
22	1·3	1·7	·5	·1	1·3	·8	·9	·9	1·1	1·4	1·0	(1·7)	1·2	1·1	1·0	·5	·5	·5	·2	·1	(...)	·2	·3	·9	19·2	20·0
23	·2	·5	·7	1·5	1·1	·3	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·7	7·4
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	·4	·2	·3	·6	·2	·1	·5	·7	3·3	9·0
25	·3	·2	·1	(...)	·1	(...)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	2·7
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	·2	(·6)	(...)	(...)	...	(...)	...	...	(...)	(...)	·3	·9	(1·8)	(1·2)	·5	·7	·1	·8	·1	7·2	9·0
28	(...)	1·6	2·7	1·1	1·0	1·2	·6	·1	(·2)	(·2)	·2	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	9·1	9·7
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	2·5	1·8	·1	5·0	3·7
30	...	...	...	...	·4	·6	1·3	1·9	1·6	1·8	2·1	3·1	2·7	2·4	1·0	·6	·4	·2	...	...	·3	·1	·3	·6	21·4	17·3
31	·2	·1	·3	·4	·3	·2	(·8)	1·0	·7	(·4)	(·2)	...	...	(*)	...	(*)	·3	(*)	(*)	...	...	...	(1·0)	(1·6)	(7·5)	(11·3)
Sum.	2·5	4·5	4·6	3·7	5·0	5·0	5·8	5·0	4·6	4·4	3·8	5·3	4·2	4·1	2·7	2·1	2·8	3·7	3·7	4·1	2·9	4·9	8·0	6·7	104·1	126·3
Total Duration.	4·7	5·2	4·4	4·4	5·0	5·9	7·4	5·3	6·6	4·8	4·7	3·5	2·6	3·5	3·7	4·8	5·4	6·3	5·2	5·5	4·8	7·3	8·3	7·0	126·3	

118. **Aberdeen:** H_r= 11·4 metres + 0·6 metres.

April, 1932.

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	Duration 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.	mmm.	hr.
1	(·5)	(·5)	(·1)	(·1)	...	...	...	...	...	...	·5	·6	·9	·2	...	...	...	...	...	·2	(...)	·1	·1	·1	(3·9)	(6·9)
2	·3	·7	·2	·3	·4	·1	(...)	...	...	...	...	...	(*)	(*)	...	...	1·1	1·0	·3	·6	1·5	1·5	·3	1·1	9·4	12·7
3	·3	·1	·3	·2	·2	(...)	·2	1·6	·4	·4	(...)	·2	(...)	...	...	...	...	...	...	...	(...)	(...)	...	...	3·9	7·1
4	...	...	...	...	·4	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·8
5	...	...	...	(P)	(P)	(P)	(P)	...	...	·2	(...)	(·1)	(...)	...	...	...	...	(·1)	...	...	...	...	...	...	(0·4)	(0·4)
6	...	...	...	...	·4	1·2	1·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	2·9
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	·4	·6	·4	...	...	2·5	1·6
8	(*)	·1	·4	·3	(*)	·1	·1	...	(*)	(*)	...	(*)	(*)	...	·4	·3	·1	...	...	...	...	...	...	...	1·8	2·7
9	...	...	...	...	·1	·8	2·0	2·1	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·6	4·1
10	...	...	...	...	...	...	...	...	...	...	...	...	1·7	...	...	·1	...	...	...	...	...	...	...	...	1·8	0·6
11	...	...	·5	·9	·2	·6	·8	·2	...	...	...	·6	...	...	...	·4	·8	·3	...	(*)	...	...	...	...	5·3	6·1
12	...	...	...	...	·1	1·1	1·0	·7	·5	·4	(▲)	...	...	(▲)	...	(▲)	...	·6	·4	...	...	...	...	...	4·8	4·7
13	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	·1	·5	·5	·8	·6	·2	·1	...	...	...	(...)	...	(...)	...	...	...	...	...	...	...	...	...	...	2·8	6·1
15	...	...	...	...	·3	·1	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·2
16	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	·3	·1	...	...	...	0·4	0·6
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	(...)	·5	·4	(...)	...	...	·1	...	...	...	(...)	·1	(...)	...	1·1	1·3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	(...)	·2	·5	...	...	...	...	...	...	...	...	(...)	·7	4·4	5·8	2·0
23	1·2	1·2	·5	...	...	...	...	...	...	...	...	...	...	·5	1·3	·1	·2	...	...	...	...	...	·9	·9	6·8	5·3
24	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	·1	·1	...	0·4	1·7
25	...	...	...	...	...	...	...	(*)	...	(*)	...	(*)	(*)	(*)	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	·2	·3	(...)	·3	·2	...	...	...	...	...	1·0	1·1
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	·7	·3	·7	·6	·5	·9	·8	·4	·6	·1	·8	·7	·3	·6	·3	·2	·1	·8	9·4	17·5
29	·8	·4	·2	·2	·4	(...)	·2	·6	·3	·1	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	3·2	7·2
30	(≡⁝)	(≡⁝)	(≡⁝)	(·1)	(≡⁝)	(≡⁝)	(≡⁝)	...	·3	·1	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·3	(2·7)
Sum.	3·2	3·2	2·7	2·6	3·3	4·8	6·6	5·7	2·8	1·8	1·7	3·2	4·3	1·1	2·5	1·3	3·1	3·1	2·2	2·1	2·5	2·4	2·2	7·3	75·7	97·3
Total Duration.	hr. 5·6	hr. 5·4	hr. 5·2	hr. 4·8	hr. 5·1	hr. 7·2	hr. 7·3	hr. 6·5	hr. 4·7	hr. 3·5	hr. 2·5	hr. 4·3	hr. 3·1	hr. 1·8	hr. 2·3	hr. 2·6	hr. 3·1	hr. 3·0	hr. 3·0	hr. 3·1	hr. 2·6	hr. 3·1	hr. 3·5	hr. 4·0	hr. 97·3	
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	

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) = 11·4 metres + 0·6 metres. **May, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-23	0-24	Duration. 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.
1	...	...	·1	·1	(...)	...	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	(...)	(...)	(...)	...	(...)	...	0·2	1·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	(...)	(...)	(...)	·2	(...)	...	...	·1	·1	·1	(...)	...	·4	·1	·1	·2	(...)	1·3	1·7
5	...	...	·1	·6	·3	(...)	·6	...	·9	...	(▲)	...	...	(▲)	(▲)	...	·2	(▲)	...	...	...	...	...	...	2·7	2·3
6	...	...	...	...	·6	·1	(▲)	(▲)	...	...	...	...	...	...	...	(...)	...	·1	·1	...	...	...	...	...	0·9	1·3
7	...	·5	·1	·1	...	...	·8	·6	·4	·2	·7	·3	·1	·1	·2	(▲)	...	...	(▲)	...	...	...	...	...	4·1	4·0
8	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·7	...	...	...	...	1·3	1·7	(...)	(...)	...	...	6·7	2·3
10	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	·2	...	·1	...	...	...	(...)	...	...	...	0·3	0·4
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	·1	·7	2·1	·6	1·1	·2	·6	·6	·3	1·4	·3	(...)	·6	·5	1·2	1·1	1·0	·9	·2	·7	·1	3·8	19·1	19·6
13	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	2·0	(1·0)
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	·4	...	...	...	1·5	1·5
16	...	·1	...	...	...	...	...	·2	2·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	1·7
17	...	...	...	...	·4	(...)	·4	·8	1·5	·4	·2	·1	·1	(...)	·1	(...)	(...)	·1	...	...	...	...	...	...	4·1	5·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	·1	·1	0·8	3·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·6	·6	(...)	(...)	2·1	...	3·3	2·3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·5	·5	·3	(...)	...	1·3	2·5
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	(...)	(...)	(...)	...	...	...	(...)	·9	(...)	...	(...)	(...)	(...)	...	...	...	...	...	0·9	1·0
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	·3	...	·6	...	·1	1·0	(...)	...	·1	(▲)	...	...	...	·1	...	...	(...)	...	...	...	...	...	...	2·2	1·5
25	...	...	...	...	...	·8	(...)	...	...	(...)	(✱)	·4	1·2	1·0	·2	·2	·1	·1	...	·3	1·7	·3	(...)	(...)	6·3	4·1
26	...	...	·1	·3	·1	(...)	·1	1·2	1·8	1·2	1·0	1·2	·4	(...)	(...)	...	...	...	...	...	...	...	...	...	7·4	9·0
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	(...)	(...)	·2	·3	(...)	·1	...	1·1	2·7
28	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	0·4	1·0
29	·2	(...)	(...)	·1	·1	·3	·3	·5	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	5·3
30	...	...	...	...	...	...	...	...	1·1	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	0·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	2·0	0·9	0·5	2·5	3·6	1·9	4·3	3·5	8·8	3·3	2·4	3·4	4·1	3·7	1·7	0·9	2·1	1·4	3·1	5·6	3·5	1·7	2·6	4·3	71·8	75·5
Total Duration.	hr. 1·8	hr. 1·1	hr. 1·2	hr. 4·4	hr. 4·8	hr. 2·8	hr. 4·5	hr. 4·5	hr. 5·1	hr. 3·4	hr. 3·4	hr. 3·0	hr. 3·2	hr. 2·0	hr. 1·3	hr. 2·2	hr. 2·8	hr. 1·6	hr. 2·8	hr. 5·8	hr. 4·7	hr. 3·2	hr. 2·6	hr. 2·8	hr. 75·5	

120. Aberdeen: H_r = 11·4 metres + 0·6 metres. **June, 1932.**

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

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) = 11·4 metres + 0·6 metres. **July, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	1·1	3·2	2·7	·9	·4	·6	2·2	1·0	·2	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	12·4	<u>8·8</u>
2	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	1·8	...	...	...	...	...	...	...	·6	·1	2·5	2·4
3	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·3	·1	(...)	(...)	(...)	(...)	...	...	...	0·4	1·0
4	·4	(...)	...	·1	...	...	...	...	(...)	(...)	2·3	1·4	1·2	(...)	...	...	...	·3	1·8	...	...	...	...	...	7·5	3·7
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	0·7	0·4
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	(...)	·2	1·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·9
9	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	(...)	...	...	(...)	·2	(...)	(...)	...	...	...	...	...	...	...	...	...	0·2	0·3
12	...	...	(...)	·1	1·8	·1	...	(...)	(...)	(...)	(...)	...	...	(...)	(...)	(...)	·2	·8	·6	·4	·6	·4	·1	(...)	5·1	9·6
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	(...)	(...)	·1	·4	·5	2·1	1·7	1·3	·3	(...)	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	6·4	7·0
17	...	...	...	...	...	...	...	...	...	·3	·1	·1	...	...	...	...	...	...	(...)	...	...	...	...	...	0·5	0·3
18	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	(...)	...	...	...	...	...	...	...	0·1	0·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	(...)	...	...	(...)	(...)	·1	(...)	...	0·1	...
20	...	...	(...)	·3	·1	·4	·3	(...)	...	...	...	...	...	...	...	2·0	6·1	1·9	·4	·2	2·1	·3	(...)	(...)	14·1	7·3
21	(...)	...	...	...	...	...	...	...	...	...	1·5	1·7	·4	2·5	1·3	...	...	...	...	(...)	...	...	...	(...)	7·4	1·9
22	·5	·2	·2	1·2	(...)	(...)	...	(...)	...	...	1·0	...	...	·3	·1	...	...	...	...	...	...	...	...	...	3·5	3·3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	0·1	0·4
24	·1	(...)	·1	(...)	·1	·5	·1	·2	(...)	...	...	...	...	1·5	...	...	...	·4	...	...	...	...	...	...	3·0	5·0
25	...	...	...	...	...	...	·6	2·4	3·8	3·0	1·7	1·2	·1	·4	1·6	...	...	...	...	...	...	...	...	...	<u>14·8</u>	6·5
26	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·4	(...)	...	...	...	·5	2·2	2·5	2·4	2·0	1·9	11·9	6·1
27	1·0	·3	·1	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	·1	·1	1·7	4·4
28	·2	(...)	...	...	...	...	...	...	...	·1	...	...	(...)	·2	(...)	...	...	...	...	...	...	...	...	...	0·5	(1·0)
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	1·1	·1	(...)	·1	...	...	(...)	...	...	...	...	·4	...	...	...	...	...	1·7	1·9
31	...	...	...	...	...	...	...	(...)	·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·9
Sum.	3·4	3·7	3·8	3·1	2·9	3·7	5·1	<u>7·3</u>	4·9	3·8	6·7	4·4	1·9	5·3	4·8	2·3	6·4	3·4	3·7	2·8	5·2	3·9	2·9	2·1	97·5	74·4
Total Duration.	hr. 3·6	hr. 2·2	hr. 4·7	hr. 4·6	hr. 4·0	hr. 4·3	hr. 4·7	hr. <u>5·1</u>	hr. 4·9	hr. 2·4	hr. 3·2	hr. 2·4	hr. 2·1	hr. 1·9	hr. 1·8	hr. 1·2	hr. 2·0	hr. 2·5	hr. 2·8	hr. 2·3	hr. 2·6	hr. 2·7	hr. 3·6	hr. 2·8	hr. 74·4	

122. Aberdeen: H_r= 11·4 metres + 0·6 metres. **August, 1932.**

	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.
1	...	...	...	·1	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	0·1	0·5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	(...)	...	...	...	...	...	0·5	0·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	1·6	·5	·2	·2	...	...	...	...	5·5	1·8
4	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	·1	2·0	...	...	...	...	...	...	...	...	2·7	0·8
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	·2	...	0·2	0·3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	·3	·5	·2	·2	...	1·2	2·5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	13·3	·8	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	14·3	0·9
13	...	...	...	...	...	...	...	...	...	...	...	3·6	9·3	1·0	...	...	...	(...)	(...)	1·8	...	...	...	...	<u>15·7</u>	2·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...
16	1·1	·8	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·4
17	...	...	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·6
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·9	...	...	...	...	1·2	0·9
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	(...)	...	...	...	...	...	0·1	0·5
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(p)	(p)	...	...
24	(p)	(p)	(p)	(p)	(p)	(p)	(p)	(p)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(p)	(p)	...	...
25	(p)	(p)	(p)	(p)	(p)	(p)	(p)	(p)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...
27	...	...	...	...	...	...	...	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	(...)	1·4	1·9	1·0	·3	2·1	·1	(...)	·2	·1	(...)	...	...	1·9	...	...	...	...	9·0	<u>6·5</u>
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·1	0·8	0·1	0·9	<u>13·4</u>	0·8	...	1·5	1·9	1·0	0·5	5·7	9·5	1·5	0·3	5·1	1·7	1·0	0·5	5·1	0·5	0·2	0·4	...	53·5	21·8
Total Duration.	hr. 0·8	hr. 1·0	hr. 1·0	hr. 1·6	hr. 0·5	hr. 0·2	hr. ...	hr. 1·2	hr. 1·0	hr. 1·0	hr. 1·1	hr. 1·5	hr. <u>2·0</u>	hr. 0·5	hr. 1·1	hr. 0·8	hr. 1·3	hr. 1·0	hr. 0·4	hr. 1·3	hr. 1·0	hr. 1·0	hr. 0·5	hr. ...	hr. 21·8	
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	

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) = 11·4 metres + 0·6 metres. **September, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	...	...	...	...	...	...	...	1·6	1·9	1·7	·8	(...)	·9	·2	...	...	...	...	...	...	...	...	...	...	7·1	4·9
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·5	...	(...)	...	...	...	(...)	...	...	...	...	0·5	0·4
4	...	...	...	...	...	...	...	...	...	...	...	·4	·5	...	(...)	·2	·1	(...)	...	...	...	...	...	...	1·2	0·8
5	...	·2	·5	·5	·2	·3	·2	(...)	(...)	...	(...)	...	(...)	·2	·4	·1	(...)	...	...	...	...	...	...	...	2·6	8·0
6	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	·4	...	(...)	...	...	...	...	...	0·4	0·2
7	...	...	...	...	...	...	...	...	...	...	...	(...)	1·5	·2	·2	·1	...	...	2·1	...	...	...	...	...	4·1	1·3
8	...	...	...	...	·3	1·4	·5	1·0	·4	·4	·3	(...)	·3	·5	2·1	4·2	2·5	2·0	1·4	2·9	2·5	1·2	(...)	·1	24·0	14·7
9	·8	4·3	·5	·1	·1	(...)	·1	(...)	(...)	·1	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	6·1	6·0
10	...	(...)	·2	(...)	...	·2	·6	2·2	·3	...	...	...	...	·2	4·2	·3	...	...	...	...	...	...	...	...	8·2	3·7
11	...	...	·2	·6	...	...	...	...	...	...	...	...	...	...	·2	·1	(...)	...	1·6	1·8	·7	...	...	...	5·2	2·0
12	...	...	...	...	...	...	...	...	...	...	...	(...)	·4	(...)	(...)	(...)	...	...	...	...	...	...	...	(⌓)	0·4	0·2
13	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	1·2	·5	...	2·2	1·4	...	...	5·3	2·1
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	·3	(...)	...	...	(...)	·3	1·0	·7	...	·2	...	(...)	...	(...)	...	...	1·3	·2	...	...	...	...	...	4·0	2·0
20	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	(0·1)
21	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...
23	(...)	...	...	...	...	·2	·4	...	...	(...)	(...)	...	...	...	...	(...)	·1	...	...	...	...	...	...	...	0·7	1·3
24	...	...	(...)	·1	(...)	(...)	·7	1·1	·2	·1	(...)	...	(...)	...	(...)	...	(...)	(...)	·1	...	...	...	...	...	2·3	(3·5)
25	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	(...)	...	...	...	·7	(...)	(...)	·1	1·2	4·4	6·4	2·0
26	2·3	3·0	2·7	1·7	(...)	(...)	·2	·1	(...)	(...)	...	...	...	...	...	...	...	(...)	...	...	...	·2	...	...	10·2	4·5
27	...	·1	(...)	(...)	·1	(...)	...	·1	...	(...)	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌓)	(⌓)	(⌓)	(⌓)	...	...
30	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	·1	·1	(...)	(...)	...	...	...	0·2	1·1
Sum.	3·1	8·1	4·1	3·0	0·7	2·1	3·1	7·1	3·5	2·3	1·4	0·4	3·6	1·8	7·2	5·0	3·1	4·6	6·7	4·7	5·4	2·9	1·2	4·5	89·6	59·4
Total Duration.	hr. 2·0	hr. 3·4	hr. 3·9	hr. 4·0	hr. 2·1	hr. 2·8	hr. 5·5	hr. 4·6	hr. 3·5	hr. 2·0	hr. 2·0	hr. 0·3	hr. 1·7	hr. 3·2	hr. 2·8	hr. 1·7	hr. 1·5	hr. 2·1	hr. 3·6	hr. 1·4	hr. 2·0	hr. 1·8	hr. 0·2	hr. 1·3	hr. 59·4	

124. Aberdeen: H_r = 11·4 metres + 0·6 metres. **October, 1932.**

	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.
1	·3	·1	·9	(...)	·2	(...)	·2	(...)	...	·4	·4	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	2·5	2·8
2	·1	·2	·7	·1	(...)	(...)	...	(...)	...	(...)	...	(...)	(...)	...	(...)	...	...	...	...	(...)	·1	(...)	...	...	1·2	2·8
3	...	...	...	...	...	...	...	...	(...)	...	...	...	(...)	...	(...)	(...)	·1	·1	(...)	·6	(...)	(...)	·1	...	0·9	1·1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	(...)	...	(...)	(...)	...	(...)	(...)	...	(...)	(...)	·4	(...)	(...)	...	...	(...)	...	0·4	0·7
6	(...)	·2	·4	(...)	(...)	(...)	...	(...)	(...)	(...)	(...)	(...)	·3	(...)	·1	(...)	(...)	(...)	...	...	...	...	...	...	1·0	2·5
7	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	·1	·1	(...)	·1	(...)	(...)	(...)	(...)	·1	·1	(...)	·1	0·6	2·7
8	·7	1·4	1·0	1·6	·7	·7	1·2	3·1	2·5	2·7	2·1	1·8	·1	·2	·5	·7	1·4	1·9	2·2	2·2	1·8	1·0	·2	·2	31·9	22·7
9	(...)	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	(...)	...	...	·1	0·2	0·3
10	1·2	2·0	1·8	1·6	·8	·1	·1	·7	(...)	(...)	·5	·1	·1	·3	2·1	1·6	1·5	1·2	1·3	1·2	1·2	·2	(...)	(...)	19·6	15·3
11	(...)	·7	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·7
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·2	1·3	·3	·2	(...)	...	3·1	4·2
13	...	...	...	...	...	...	(...)	(...)	·3	4·6	3·7	1·8	(...)	·6	1·1	1·3	·3	(...)	·3	(...)	·2	...	...	...	14·2	7·2
14	...	...	...	...	...	...	...	...	...	...	(...)	1·0	2·5	...	...	...	...	·2	·6	·9	1·2	1·1	1·2	1·1	9·8	7·1
15	1·1	·5	·3	·6	·2	·5	(...)	(...)	(...)	...	...	...	(...)	...	(...)	...	...	·1	(...)	·8	·1	·2	·1	(...)	4·5	8·8
16	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·6	·6	·9	·7	·2	...	3·8	5·8
17	...	...	...	·2	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	(...)	·1	·4	1·3	3·1	5·2	4·5
18	3·2	3·2	2·3	2·4	1·0	·1	·1	·4	...	(...)	...	(...)	...	(...)	...	·1	(...)	...	...	...	...	...	...	...	12·8	6·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·6	·6	·5	·5	2·2	4·0
20	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	·3	1·2	·6	·6	1·3	2·0	1·8	2·3	2·4	1·4	·3	·9	·6	·3	·7	·5	...	...	...	...	...	17·2	15·1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	...	...
25	·1	·1	(...)	·1	...	...	...	...	...	...	...	...	·5	1·9	1·5	2·6	·3	·2	·3	·1	(...)	...	...	...	7·7	5·8
26	...	...	...	...	...	...	...	(...)	·2	·1	(...)	(...)	·2	2·4	·1	(...)	·3	3·7	1·5	1·2	1·2	1·1	·4	·6	13·0	9·2
27	·4	·1	·1	·1	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	4·8
28	...	·5	·1	(...)	·5	·8	...	...	...	...	...	...	·2	(...)	·2	·1	(...)	...	...	...	...	...	...	...	2·4	1·8
29	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·1	1·4	·8	1·1	·8	·2	...	...	...	...	5·8	6·0
30	...	...	...	·6	·4	1·1	...	...	...	(...)	...	...	·8	·8	·3	2·0	...	(...)	·8	...	...	...	·3	...	7·1	3·7
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	7·2	9·0	7·9	7·6	5·2	3·9	2·2	5·5	5·0	9·7	9·0	7·1	6·2	7·0	7·9	10·5	5·0	10·5	10·1	9·2	7·8	5·6	4·3	5·7	169·1	146·1
Total Duration.	hr. 6·9	hr. 7·9	hr. 7·6	hr. 6·3	hr. 7·1	hr. 5·8	hr. 2·4	hr. 2·4	hr. 2·5	hr. 3·5	hr. 3·7	hr. 3·6	hr. 5·9	hr. 5·6	hr. 7·1	hr. 7·1	hr. 6·6	hr. 7·8	hr. 8·8	hr. 7·9	hr. 10·1	hr. 9·3	hr. 5·9	hr. 4·3	hr. 146·1	
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	

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) = 11·4 metres + 0·6 metres.

November, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	(...)	1·6	·4	·1	...	...	...	...	...	...	...	...	...	2·1	2·4
2	...	...	1·6	·7	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	2·8
3	...	...	...	·3	·8	1·1	·3	·1	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	3·3
4	...	...	·2	·1	1·8	2·0	1·1	·7	·2	·1	·1	(...)	·4	(...)	·2	(...)	·1	·2	·2	...	...	...	...	...	7·4	10·0
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	·2	(...)	·1	(...)	(...)	0·3	2·0
9	(...)	(...)	·7	(...)	·1	(...)	(...)	·1	·2	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	3·5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	(...)	(...)	(...)	...	...	(...)	(...)	(...)	...	(...)	...	(...)	(...)	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	(...)	·1	(...)	·1	(...)	(...)	0·2	2·0
17	·1	·1	·1	·1	·1	·1	·1	·1	(...)	·1	(...)	(...)	...	...	...	...	...	...	...	·1	(...)	(...)	·2	·1	1·3	7·9
18	·1	·4	·4	1·3	·1	·5	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	4·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	(...)	3·2	4·3	1·8	·1	...	...	...	...	...	...	...	...	...	...	...	9·4	2·9
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	·1	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	1·4	·4	(...)	·1	(...)	(...)	2·2	4·0
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	(...)	·1	·5	·7	·1	...	...	...	...	(△)	(△)	...	...	...	...	...	1·4	2·6
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	2·6	1·8	·5	...	...	...	4·9	2·5
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·2	0·5	3·0	2·5	3·1	3·8	1·5	1·1	0·5	3·7	4·9	2·5	2·2	0·4	0·3	...	0·2	0·4	4·2	2·6	0·5	0·3	0·2	0·1	38·7	50·7
Total Duration.	hr. 2·0	hr. 1·5	hr. 3·8	hr. 3·7	hr. 3·7	hr. 3·8	hr. 2·4	hr. 3·1	hr. 2·0	hr. 2·7	hr. 2·5	hr. 2·0	hr. 2·3	hr. 1·0	hr. 0·5	hr. ...	hr. 0·9	hr. 1·3	hr. 2·5	hr. 3·8	hr. 0·5	hr. 3·0	hr. 0·7	hr. 1·0	hr. 50·7	

126. Aberdeen: H_r = 11·4 metres + 0·6 metres.

December, 1932.

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	Duration 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.
1	...	...	...	2·4	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	2·4
2	...	...	...	...	...	(...)	(...)	(...)	·9	...	...	...	...	...	...	...	...	...	·4	1·5	·3	·1	...	...	3·2	3·1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(✱)	·1	·2	...	...	...	...	0·3	0·7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·4
6	...	...	...	...	...	...	...	(✱)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
7	...	...	...	...	...	...	...	(✱)	...	...	...	...	...	...	...	(✱)	(✱)	(...)	(...)	...	...	·1	(...)	·1	0·2	1·0
8	·1	(...)	·2	(...)	·1	(...)	(...)	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	0·4	2·0
9	...	...	(...)	(...)	·2	(...)	(...)	(...)	·2	·3	·1	(...)	...	...	·1	·2	·8	·5	(...)	(...)	(...)	·1	·1	·3	2·9	7·4
10	·1	·3	·1	(...)	(...)	(...)	(...)	·1	·1	(...)	(...)	...	(...)	(...)	...	(...)	(...)	...	(...)	(...)	·1	(...)	...	...	0·8	2·2
11	(...)	...	(...)	...	(...)	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	·5	·8	1·3	1·6
14	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	(...)	(...)	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	·2	2·6	·5	·2	·1	·2	(...)	·1	...	...	...	...	...	(...)	(...)	...	(...)	(...)	...	...	...	...	...	3·9	5·2
18	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	1·8	1·2	(...)	·1	·5	...	...	...	...	...	3·6	3·5
19	...	...	...	...	...	...	...	...	(...)	...	...	(...)	(...)	(...)	·6	·4	·8	·2	(...)	·1	(...)	(...)	·6	·3	3·0	6·0
20	·5	·1	(...)	1·6	·6	1·0	1·0	·7	·3	(...)	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	5·8	8·0
21	·2	·3	·9	1·5	(...)	(...)	·1	·3	·6	·3	·9	(...)	...	...	...	...	...	...	...	...	...	...	...	...	5·1	8·3
22	...	...	...	...	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·4
23	...	...	...	(...)	·2	(...)	(...)	(...)	...	(...)	(...)	(...)	(...)	...	(...)	(...)	(...)	...	...	...	...	...	...	...	0·2	0·3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	0·2	0·2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	·1	...	...	(...)	·8	1·0	·8	2·7	3·0
Sum.	0·9	0·9	3·8	6·0	2·9	1·5	1·3	1·1	2·3	0·6	1·0	...	...	...	2·5	1·8	1·6	0·9	1·0	1·8	0·4	1·1	2·2	2·3	37·9	55·7
Total Duration.	hr. 4·0	hr. 2·2	hr. 2·9	hr. 3·9	hr. 4·5	hr. 2·7	hr. 2·4	hr. 2·6	hr. 3·3	hr. 1·4	hr. 1·5	hr. ...	hr. ...	hr. ...	hr. 2·0	hr. 2·5	hr. 2·0	hr. 3·1	hr. 2·2	hr. 1·2	hr. 1·0	hr. 2·1	hr. 4·0	hr. 4·2	hr. 55·7	
Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	

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, 1932.**

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	...	--	--	--	--	--	1·2	18
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
4	--	--	--	--	--	...	...	·4	·3	·7	·2	...	...	--	--	--	--	--	1·6	24
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
6	--	--	--	--	--	...	...	...	·2	1·0	1·0	·3	...	--	--	--	--	--	2·5	37
7	--	--	--	--	--	...	...	·6	·6	·9	1·0	·6	...	--	--	--	--	--	3·7	54
8	--	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	·8	...	--	--	--	--	--	5·5	80
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
11	--	--	--	--	--	...	...	·5	·5	1·0	·9	...	...	--	--	--	--	--	2·9	41
12	--	--	--	--	--	...	...	·8	1·0	1·0	·7	...	...	--	--	--	--	--	3·5	49
13	--	--	--	--	--	...	...	·7	·3	·5	·2	1·0	...	--	--	--	--	--	2·7	38
14	--	--	--	--	--	...	·2	·5	1·0	·7	·3	...	...	--	--	--	--	--	2·7	38
15	--	--	--	--	--	...	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	--	5·7	79
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
17	--	--	--	--	--	·1	·9	1·0	1·0	·8	...	...	...	--	--	--	--	--	3·8	52
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
22	--	--	--	--	--	...	...	...	·7	1·0	1·0	·7	...	--	--	--	--	--	3·4	45
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
24	--	--	--	--	--	...	...	·9	1·0	1·0	·6	·5	...	--	--	--	--	--	4·0	51
25	--	--	--	--	--	...	·9	1·0	1·0	1·0	1·0	1·0	·3	--	--	--	--	--	6·2	79
26	--	--	--	--	--	...	·6	·4	1·0	1·0	1·0	·1	...	--	--	--	--	--	4·1	52
27	--	--	--	--	--	·2	·6	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	--	5·9	74
28	--	--	--	--	--	...	·2	·8	1·0	1·0	1·0	1·0	·2	--	--	--	--	--	5·2	65
29	--	--	--	--	--	...	·1	1·0	1·0	·6	·5	1·0	·4	...	--	--	--	--	4·6	57
30	--	--	--	--	...	·1	·6	1·0	·7	...	...	·4	...	...	--	--	--	--	2·8	34
31	--	--	--	--	...	...	·1	...	...	·1	·1	·1	...	...	--	--	--	--	0·4	5
Sum.	--	--	--	--	...	0·4	5·9	12·6	14·3	16·1	12·8	9·3	1·0	...	--	--	--	--	72·4	--
Mean.	--	--	--	--	...	·01	·19	·41	·46	·52	·41	·30	·03	...	--	--	--	--	2·34	32

128. Aberdeen: h_s = 20·7 metres. **February, 1932.**

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
2	--	--	--	--	...	·1	·6	1·0	·6	·1	...	1·0	·5	...	--	--	--	--	3·9	46
3	--	--	--	--	...	...	...	...	...	...	...	·1	...	...	--	--	--	--	0·1	1
4	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
5	--	--	--	--	...	...	...	...	·1	...	...	...	...	...	--	--	--	--	0·1	1
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
7	--	--	--	--	...	...	·3	1·0	1·0	1·0	·8	·4	...	...	--	--	--	--	4·5	52
8	--	--	--	--	...	·2	·1	·5	·3	·1	·2	·6	·3	...	--	--	--	--	2·3	26
9	--	--	--	--	...	...	...	·2	·1	...	...	...	...	...	--	--	--	--	0·3	3
10	--	--	--	--	...	·3	·4	·2	...	·1	...	...	...	...	--	--	--	--	1·0	11
11	--	--	--	--	...	...	·4	·3	·1	·1	...	...	...	...	--	--	--	--	0·9	10
12	--	--	--	--	...	...	·2	·2	·1	·8	·4	·2	·2	...	--	--	--	--	2·1	23
13	--	--	--	--	...	·1	·3	·8	·3	·2	·1	·4	...	...	--	--	--	--	2·2	24
14	--	--	--	--	...	...	·7	·6	1·0	1·0	1·0	·8	1·0	·2	--	--	--	--	6·3	68
15	--	--	--	--	...	·6	·7	·1	·3	·4	·7	1·0	·2	...	--	--	--	--	4·0	43
16	--	--	--	--	...	·1	·2	·2	·3	·4	·2	·1	·5	·1	--	--	--	--	2·1	22
17	--	--	--	--	...	...	...	·6	·7	1·0	1·0	1·0	1·0	·1	--	--	--	--	5·4	57
18	--	--	--	--	...	·4	·8	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	6·9	72
19	--	--	--	--	...	·3	·2	...	·2	·9	·6	·9	·8	·1	--	--	--	--	4·0	41
20	--	--	--	--	...	...	·1	·9	1·0	1·0	1·0	·8	·6	...	--	--	--	--	5·4	56
21	--	--	--	--	...	...	·1	·1	·1	...	...	·2	...	...	--	--	--	--	0·5	5
22	--	--	--	--	...	·7	·4	...	...	...	...	...	...	...	--	--	--	--	1·1	11
23	--	--	--	--	...	...	·2	·1	·1	·1	...	...	·6	...	--	--	--	--	1·1	11
24	--	--	--	--	...	...	·2	·3	·2	·1	...	...	...	...	--	--	--	--	0·8	8
25	--	--	--	...	...	·1	...	...	...	...	...	...	...	...	...	--	--	--	0·1	1
26	--	--	--	...	...	...	...	·1	...	·1	...	...	...	...	...	--	--	--	0·2	2
27	--	--	--	...	...	...	...	...	·6	1·0	1·0	1·0	·5	...	...	--	--	--	4·1	40
28	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
29	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
Sum.	--	--	--	...	...	2·9	5·9	8·2	8·1	9·4	8·0	9·5	6·9	0·5	...	--	--	--	59·4	--
Mean.	--	--	--	...	...	·10	·20	·28	·28	·32	·28	·33	·24	·02	...	--	--	--	2·05	22
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.

129. Aberdeen: h_s (height of recorder above ground) = 20·7 metres. **March, 1932.**

Hour. L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	...	...	...	·5	·7	·6	·8	·5	·2	...	...	...	--	--	--	3·3	31
2	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
3	--	--	--	...	...	...	...	...	...	...	...	·4	·6	...	...	--	--	--	1·0	9
4	--	--	--	...	...	·1	·5	·7	·5	·1	...	...	...	...	...	--	--	--	1·9	10
5	--	--	--	...	·1	·8	·6	·3	·2	·6	·5	...	·1	·4	...	--	--	--	3·6	33
6	--	--	--	...	·1	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	<u>8·2</u>	<u>75</u>
7	--	--	--	...	·8	·5	...	...	...	...	...	...	...	...	...	--	--	--	1·3	12
8	--	--	--	...	·3	·9	1·0	1·0	1·0	1·0	·8	·1	...	...	...	--	--	--	6·1	55
9	--	--	--	...	...	...	·5	·1	·7	1·0	1·0	·5	·3	...	...	--	--	--	4·1	37
10	--	--	--	...	...	·2	...	·5	·6	·1	·3	·6	·2	...	...	--	--	--	2·5	22
11	--	--	--	...	·1	...	·1	·1	1·0	·5	·2	·5	...	...	...	--	--	--	2·5	22
12	--	--	--	...	...	...	...	·5	·3	...	...	...	...	...	...	--	--	--	0·8	7
13	--	--	--	...	...	...	...	1·0	·9	...	...	...	·1	...	...	--	--	--	2·0	17
14	--	--	--	...	·2	·3	·3	·6	·6	·6	·4	·1	...	·1	...	--	--	--	3·2	28
15	--	--	--	...	...	·2	·7	1·0	1·0	·5	·5	·6	...	...	...	--	--	--	4·5	39
16	--	--	--	...	...	...	·2	·3	...	...	·2	·3	·2	...	...	--	--	--	1·2	10
17	--	--	--	...	·4	·3	·1	·1	...	·1	...	·1	...	·1	...	--	--	--	1·2	10
18	--	--	--	...	...	...	...	·1	...	...	...	...	...	...	...	--	--	--	0·1	1
19	--	--	--	...	...	...	...	...	...	·1	...	...	...	...	...	--	--	--	0·1	1
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
21	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
22	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
23	--	--	...	...	...	...	...	...	·1	·5	1·0	·6	·9	...	...	...	--	--	3·1	25
24	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
25	--	--	...	...	...	...	...	...	·4	·7	·9	·4	·3	...	...	...	--	--	2·7	22
26	--	--	...	...	·1	1·0	1·0	1·0	·9	·1	·9	1·0	·8	·1	...	...	--	--	6·9	55
27	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
28	--	--	...	...	...	...	...	...	...	...	...	...	·1	·4	...	...	--	--	0·5	4
29	--	--	...	...	·2	·5	1·0	1·0	·7	1·0	1·0	1·0	·6	·1	...	...	--	--	7·1	56
30	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
31	--	--	...	...	...	...	...	...	...	·6	1·0	1·0	·8	·6	·4	...	--	--	4·4	34
Sum.	--	--	...	...	2·3	5·6	7·5	10·0	<u>10·5</u>	9·3	10·2	8·4	6·0	2·1	0·4	...	--	--	72·3	--
Mean.	--	--	...	...	·07	·18	·24	·32	<u>·34</u>	·30	·33	·27	·20	·07	·01	...	--	--	2·33	20

130. Aberdeen: h_s = 20·7 metres. **April, 1932.**

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
2	--	--	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	--	--	0·3	2
3	--	--	...	...	...	...	...	...	...	...	·1	·3	·2	·2	...	...	--	--	0·8	6
4	--	--	...	·1	1·0	1·0	·8	·6	·9	·8	·7	·6	·7	·9	·8	...	--	--	8·9	67
5	--	--	...	...	...	...	...	...	·4	·3	·2	·5	·1	·1	...	...	--	--	1·6	12
6	--	--	...	...	·2	1·0	1·0	1·0	·7	·7	·6	·5	·2	·4	...	...	--	--	6·3	47
7	--	--	·1	·5	1·0	1·0	1·0	1·0	1·0	1·0	·6	·9	1·0	·6	...	...	--	--	9·7	71
8	--	--	...	·3	·9	·8	·9	·8	·7	·7	·7	·4	·6	·5	·5	...	--	--	7·8	57
9	--	--	...	...	...	...	...	...	·3	·9	·5	·7	·5	·1	·4	...	--	--	3·4	25
10	--	--	...	...	·1	...	...	...	·1	...	·2	·8	·9	·9	·7	·3	--	--	4·0	29
11	--	--	...	...	...	·4	...	·5	·4	·9	1·0	·4	...	...	...	...	--	--	3·6	26
12	--	--	...	...	·6	·4	·4	·6	1·0	1·0	1·0	1·0	·6	·8	·1	·2	--	--	7·7	55
13	--	--	...	·1	·6	·8	·7	·6	·3	...	...	...	...	...	...	...	--	--	3·1	22
14	--	...	...	...	...	...	...	...	·2	·5	...	...	·1	·7	...	...	...	--	1·5	11
15	--	...	...	...	...	...	...	...	...	·6	1·0	1·0	1·0	1·0	·8	...	...	--	5·4	38
16	--	...	...	·1	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·3	...	--	<u>10·9</u>	<u>76</u>
17	--	...	·4	·9	1·0	·8	·7	·9	·9	1·0	1·0	·9	·2	·5	·1	...	...	--	9·3	65
18	--	...	...	...	...	...	...	...	...	...	...	·6	·3	·3	...	...	...	--	1·2	8
19	--	...	...	...	·4	...	·2	·5	...	...	...	·2	·2	...	...	...	...	--	1·5	10
20	--	...	·6	·8	1·0	·7	1·0	·6	·1	·6	1·0	1·0	·8	·7	·8	...	...	--	9·7	66
21	--	...	...	...	...	·6	·3	·5	1·0	·8	·4	1·0	·3	·7	·8	·2	...	--	6·6	45
22	--	...	...	...	·2	·7	·3	·3	·4	·4	...	...	...	·3	·1	...	...	--	2·7	18
23	--	...	·6	·4	1·0	1·0	1·0	1·0	·8	·4	...	·1	·3	·6	·6	...	...	--	7·8	53
24	--	...	·2	·3	·3	·5	·1	...	·1	·2	·5	·6	·1	...	...	...	...	--	2·9	19
25	--	...	·4	·8	1·0	·8	·8	1·0	·6	·5	·7	·3	·1	...	·3	·9	...	--	8·2	55
26	--	...	·8	·9	1·0	1·0	·7	·9	·9	·7	1·0	·3	·4	·3	·4	·2	...	--	9·5	63
27	--	...	·5	·9	1·0	1·0	·5	...	...	·2	1·0	1·0	·9	1·0	1·0	·5	...	--	9·5	63
28	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
29	--	...	...	...	...	...	...	...	...	...	·1	·5	...	...	...	...	...	--	0·6	4
30	--	...	...	...	...	...	...	...	...	...	...	·4	·9	·9	·7	...	...	--	2·9	19
Sum.	--	...	3·6	6·1	12·3	13·5	11·4	11·8	11·8	13·2	13·3	<u>15·0</u>	11·4	12·4	9·0	2·6	...	--	147·4	--
Mean.	--	...	·12	·20	·41	·45	·38	·39	·39	·44	·44	<u>·50</u>	·38	·41	·30	·09	...	--	4·91	35
Hour. L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.

DURATION OF BRIGHT SUNSHINE.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

131. Aberdeen: h_s (height of recorder above ground) = 20·7 metres. **May, 1932.**

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	·9	·8	·2	...	...	...	...	...	...	--	2·0	13
3	--	...	...	...	...	...	·7	·8	·9	·6	·5	·4	...	·1	...	...	...	--	4·0	26
4	--	...	...	...	...	·2	·2	·5	·4	·5	·8	·9	·9	·7	·7	·7	...	--	6·5	41
5	--	...	·2	·7	·7	·8	·3	·8	·6	·5	·5	·8	·7	·2	·6	...	...	--	7·4	47
6	--	...	...	...	·1	·1	·2	·4	·8	·1	·2	·1	·2	·4	...	...	...	--	2·6	16
7	--	...	·5	·3	·4	·6	·1	·4	·5	·4	·6	·4	·5	1·0	·7	·7	·4	--	7·5	47
8	--	·1	1·0	·9	1·0	·8	·4	·5	·7	·8	·8	·8	·9	·6	·1	...	...	--	9·4	59
9	--	...	·9	·9	1·0	1·0	1·0	·9	1·0	·4	·2	·7	·4	·1	...	...	...	--	8·5	53
10	--	·4	1·0	·9	·4	·9	·9	·9	·9	·9	·2	·8	·4	·2	...	...	...	...	8·8	55
11	...	...	·1	·3	1·0	·9	·4	·2	·4	·4	·7	·5	·9	1·0	·1	·1	...	...	7·0	43
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	·5	1·0	·1	...	·4	1·0	·3	·1	...	·3	...	...	·7	·7	·7	...	...	5·8	36
14	...	·4	·7	·9	1·0	·9	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·7	·1	...	13·6	83
15	...	...	·4	·1	...	...	...	...	·1	·3	·7	·6	·8	·1	...	...	...	...	3·1	19
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	·5	·8	·8	·6	·5	...	...	...	...	...	...	...	...	...	...	...	3·2	19
19	...	·1	·6	·6	1·0	·7	·7	·5	·7	·6	·7	·4	...	...	...	...	...	...	6·6	39
20	...	...	·5	·9	1·0	·5	...	...	...	...	...	·3	·8	·9	·2	...	...	...	5·1	30
21	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	·5	·6	·6	...	·2	·3	·2	·2	·6	...	...	3·2	19
24	...	·1	·6	·7	·9	·8	·7	·6	·5	·9	·6	·5	·8	·6	·3	·9	·1	...	9·6	57
25	...	...	·4	·2	·1	...	·2	·3	...	...	·1	·6	·1	...	...	...	...	...	2·0	12
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·0	·2	...	1·9	11
27	...	...	...	...	·2	·5	·9	·9	1·0	1·0	·9	...	...	...	...	...	...	...	5·4	32
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·9	...	1·7	10
29	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	0·4	2
30	...	...	...	...	...	...	...	...	·5	1·0	·5	·3	·4	·8	·9	...	...	...	4·4	25
31	...	...	...	...	·1	...	·4	·3	·2	·8	1·0	1·0	·9	·7	...	·1	...	...	5·5	32
Sum.	...	1·6	8·4	8·4	9·8	9·7	9·6	9·9	11·8	11·6	10·7	10·4	10·0	9·3	6·2	6·3	1·7	...	135·4	--
Mean.	...	·05	·27	·27	·32	·31	·31	·32	·38	·37	·35	·34	·32	·30	·20	·20	·05	...	4·37	27

132. Aberdeen: h_s = 20·7 metres. **June, 1932.**

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	·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	·7	...	14·3	82
2	...	...	...	...	...	·1	·5	·9	1·0	·8	·6	·6	1·0	·9	·9	·2	...	...	7·5	43
3	...	·2	...	...	...	...	·1	...	...	...	·7	·6	·5	·2	...	·5	·5	...	3·3	19
4	...	·1	·8	·5	·6	·6	·3	·3	·1	·4	·1	·4	·1	·3	·2	·2	·3	...	5·3	30
5	...	·3	·4	·6	·4	·1	·4	·3	·1	·1	·1	·1	·3	·3	·1	·1	·2	...	3·9	22
6	...	...	...	...	·5	...	·2	...	·1	·4	·8	·8	·1	·4	·5	1·0	·9	·1	5·8	33
7	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	0·3	2
8	...	...	·1	1·0	1·0	·8	·9	·9	·5	·3	...	...	...	·1	...	...	...	...	5·6	32
9	...	...	...	·3	·5	·1	...	...	·8	1·0	1·0	·2	·1	...	...	...	·1	...	4·1	23
10	...	...	·3	...	·4	·1	...	·4	·9	1·0	·9	·9	·1	·8	·3	·3	...	...	6·4	36
11	...	...	...	·1	·6	·8	·3	·6	·2	·4	·5	·5	·9	·1	·1	...	...	...	5·1	29
12	...	·3	·1	...	...	...	...	...	...	...	...	·1	·1	·2	·1	·7	...	...	1·6	9
13	...	...	...	...	...	...	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	7·2	40
14	...	...	...	...	·5	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	10·7	60
15	...	·5	1·0	1·0	·3	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	14·7	83
16	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	15·7	88
17	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	·2	1·0	·6	...	13·6	76
18	...	·3	...	...	...	...	·3	·2	·6	·4	·9	·9	·7	...	...	...	...	...	4·3	24
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	0·4	2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	·1	1·0	1·0	1·0	·8	1·0	·7	...	5·6	31
22	...	·6	·2	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	1·0	6
23	...	·1	·2	·8	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	...	...	12·5	70
24	...	...	...	...	·2	·5	·1	...	·1	...	...	...	...	·2	·9	·3	·1	·1	2·5	14
25	...	...	·5	·7	·8	1·0	·4	·7	·5	·3	·8	...	·2	...	·1	·4	...	...	6·4	36
26	...	...	...	...	·6	·6	·7	...	·6	·3	·1	...	·1	·1	...	·2	...	...	3·3	19
27	...	...	...	...	·1	·2	·8	·9	·7	·9	·4	·2	...	...	...	...	...	...	4·2	24
28	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·6	·2	·1	·1	1·1	6
29	...	·9	1·0	...	·1	·2	·7	1·0	·3	...	·1	·6	...	...	...	...	...	...	4·9	28
30	...	...	...	...	...	...	...	...	...	...	...	·6	·6	·7	1·0	·5	...	...	3·4	19
Sum.	...	4·6	7·2	8·0	10·5	10·8	11·8	12·2	12·5	12·8	14·1	14·6	12·9	11·7	11·6	12·1	6·9	0·4	174·7	--
Mean.	...	·15	·24	·27	·35	·36	·39	·40	·41	·43	·47	·49	·43	·39	·39	·40	·23	·01	5·82	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.

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, 1932.

Hour. L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	...	...	·1	1·0	·8	·5	·9	·4	·8	·9	·9	·1	...	6·4	36
2	...	...	...	·1	·1	·4	·8	·7	·4	·9	·5	·1	·6	·8	1·0	·8	...	...	7·2	41
3	·2	1·0	·2	·8	1·0	1·0	·9	1·0	·6	·4	·1	...	...	...	...	...	...	...	7·2	41
4	...	...	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·2	1
5	...	...	·4	·1	·6	·9	·3	·5	1·0	1·0	1·0	·4	·5	·7	·5	·3	...	...	8·2	47
6	...	...	·9	·3	·2	1·0	·8	·5	·6	·1	·7	·1	·4	·2	·5	·9	·4	...	7·6	43
7	...	...	·1	·3	·7	...	·3	·2	...	...	...	...	...	...	...	...	...	...	1·6	9
8	...	...	...	...	...	...	...	...	·2	·2	·4	·1	·7	·4	·4	·9	·7	...	4·0	23
9	...	...	...	...	...	...	...	...	...	·4	·8	·7	·6	·4	·1	·7	·3	...	4·0	23
10	...	·2	1·0	1·0	1·0	·6	·9	1·0	1·0	·6	·4	·3	...	...	·2	·2	·2	...	8·6	49
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	·5	·2	·9	1·0	1·0	1·0	·6	...	5·2	30
14	...	...	...	...	...	...	...	...	...	·4	·6	·6	·4	·2	...	...	...	...	2·2	13
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·7	·1	·1	...	1·1	6
17	...	·2	·6	1·0	·8	·2	·7	·9	·7	1·0	1·0	·9	·7	·5	...	·1	...	...	9·3	54
18	...	...	...	...	...	·1	·2	·8	·9	1·0	1·0	1·0	·9	·8	·3	·1	...	...	7·1	42
19	...	...	...	...	·2	·1	·2	...	...	...	...	...	...	...	...	...	...	...	0·5	3
20	...	...	...	...	...	...	·6	·5	...	·9	·9	·4	...	...	...	...	...	...	3·3	19
21	...	·1	·6	·6	·2	·7	·5	...	...	·1	·1	·2	·3	·3	...	·1	...	...	3·8	22
22	...	...	...	...	...	·3	·2	·1	·4	...	...	·1	·1	·3	·3	·4	·1	...	2·3	14
23	...	...	·3	·9	1·0	·9	·1	·2	·6	1·0	·9	...	·1	...	...	...	...	...	6·0	36
24	...	...	...	...	...	...	...	...	...	...	...	...	·4	·5	·2	·8	·3	...	2·2	13
25	...	...	...	...	...	...	...	...	...	·9	...	·4	1·0	1·0	·7	·9	...	...	4·9	29
26	...	...	·5	·9	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	13
27	...	...	...	...	...	·2	·5	·3	·9	1·0	·8	...	·1	·2	·3	·1	...	...	4·4	27
28	...	·2	·9	·1	...	...	·6	...	·1	...	·4	·5	·8	·9	1·0	1·0	·4	...	6·9	42
29	...	·1	·2	...	...	·3	·7	...	...	·1	·1	·1	...	...	...	...	...	...	1·6	10
30	...	...	...	...	...	...	...	...	·5	·6	·2	1·0	·6	·5	·3	...	...	...	3·7	23
31	...	...	·3	·4	·3	...	·1	·4	·8	·5	·2	...	...	...	...	...	...	...	3·0	18
Sum.	0·2	1·8	6·1	6·5	6·8	6·7	8·5	7·2	9·7	11·9	11·1	8·0	9·5	9·7	8·4	9·3	3·2	...	124·6	--
Mean.	·01	·06	·20	·21	·22	·22	·28	·23	·31	·38	·36	·26	·31	·31	·27	·30	·10	...	4·02	23

134. Aberdeen: h_s = 20·7 metres. August, 1932.

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	·1	...	·1	·2	·3	·1	·1	·1	...	...	...	·7	·3	...	2·0	12
2	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	0·2	1
3	--	...	...	...	...	·3	·6	·3	·1	·3	·5	·7	·3	...	·1	...	...	--	3·2	20
4	--	...	·4	·7	·3	·4	·3	·5	·9	·5	·1	·3	·5	·1	...	...	...	--	5·0	31
5	--	...	·1	...	·1	·5	·1	·8	·5	·3	·3	·1	...	·1	...	·2	...	--	3·1	19
6	--	...	·5	1·0	1·0	·9	·1	...	...	...	·5	...	·5	·8	1·0	·8	·2	--	7·3	46
7	--	·1	·1	...	...	·5	·8	·8	·4	·5	...	...	·1	·2	·1	...	...	--	3·6	23
8	--	...	...	...	...	...	...	·3	·4	·4	·4	1·0	·6	·5	·2	...	...	--	3·8	24
9	--	...	...	·3	·5	·2	·6	·8	·9	·9	·7	...	...	·7	1·0	·8	...	--	7·4	47
10	--	...	...	...	...	·3	·7	·9	·3	·6	·8	·1	·9	·1	...	...	...	--	4·7	30
11	--	...	...	·3	·1	·4	·8	·3	·7	·1	·5	·9	·7	·5	...	...	...	--	5·3	34
12	--	...	...	·2	·5	·3	·5	·6	...	...	...	...	...	...	...	...	...	--	2·1	14
13	--	...	...	·2	·2	...	·6	...	...	·1	...	·1	1·0	...	...	...	...	--	2·2	14
14	--	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	--	0·1	1
15	--	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	--	0·1	1
16	--	...	...	...	...	·3	·5	·7	·8	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	8·5	56
17	--	...	...	...	·3	·9	·2	·2	...	...	·2	1·0	·9	·3	...	...	...	--	4·0	37
18	--	...	·4	·2	·2	1·0	1·0	1·0	·9	·4	·6	1·0	·8	1·0	1·0	·2	...	--	9·7	65
19	--	...	·1	·4	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	...	...	--	8·7	58
20	--	...	...	...	...	...	·1	·1	·1	·6	...	...	...	...	...	·1	...	--	1·0	7
21	--	...	...	·4	1·0	·1	...	...	...	...	...	...	·1	...	...	...	...	--	1·6	11
22	--	...	...	...	...	...	·1	·2	...	...	·9	·9	·1	·1	·1	...	...	--	2·4	16
23	--	...	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	1·0	1·0	1·0	·4	...	--	11·0	75
24	--	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	·5	·7	·2	...	--	10·6	73
25	--	...	...	·4	·6	·2	·6	1·0	1·0	1·0	1·0	·5	·4	1·0	1·0	·5	...	--	9·2	64
26	--	...	...	...	...	...	·2	·2	...	·8	·4	...	...	...	...	...	...	--	1·6	11
27	--	...	...	...	...	...	...	·2	·5	·5	·8	·9	1·0	1·0	·6	...	...	--	5·5	38
28	--	...	...	·6	·7	·6	1·0	·5	·2	·7	·9	1·0	1·0	·7	·5	...	...	--	8·4	59
29	--	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	--	0·3	2
30	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
31	--	--	·1	·4	1·0	1·0	1·0	1·0	1·0	·7	·7	·5	·8	...	·3	·1	--	--	8·6	61
Sum.	...	0·1	1·7	6·0	9·5	11·0	13·0	13·6	12·0	12·5	13·5	12·7	12·7	9·6	8·6	4·2	0·5	...	141·2	--
Mean.	...	·00	·05	·19	·31	·35	·42	·44	·39	·40	·44	·41	·41	·31	·28	·14	·02	...	4·55	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.

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, 1932.**

Hour. L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	...	...	...	...	...	...	...	...	...	...	...	1·0	·1	...	--	--	1·1	8
2	--	--	...	...	...	...	...	...	...	·1	·2	...	...	·1	...	...	--	--	0·4	3
3	--	--	...	·1	...	...	·3	·5	·4	·4	·8	·9	·5	·8	·6	·2	--	--	5·5	40
4	--	--	·2	·5	·5	·8	·9	·7	·7	·9	·8	·3	...	...	...	...	--	--	6·3	46
5	--	--	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	--	--	0·2	1
6	--	--	...	...	...	...	...	...	...	...	·1	·6	...	...	·1	...	--	--	0·8	6
7	--	--	...	...	·1	·3	1·0	·5	...	...	·7	·3	·3	·3	...	...	--	--	3·5	26
8	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
9	--	--	...	...	...	...	...	...	...	...	·5	·2	·4	·8	...	...	--	--	1·9	14
10	--	--	...	...	...	...	·1	·1	·5	·6	·7	·5	·7	·1	·5	...	--	--	3·7	28
11	--	--	...	...	·2	·1	·4	1·0	·8	·4	·7	·7	·8	·5	...	...	--	--	5·6	43
12	--	--	...	·9	1·0	·9	·9	·7	1·0	·9	·9	·8	·9	·9	·8	...	--	--	10·6	82
13	--	--	...	·5	·5	·8	·2	·6	·4	...	...	...	...	...	...	...	--	--	3·0	23
14	--	--	...	...	...	·8	·9	·9	·9	·6	·9	·9	·9	1·0	·7	...	--	--	8·5	66
15	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	·3	·1	·1	...	--	--	9·1	71
16	--	--	...	·6	·5	·3	·5	1·0	1·0	·4	...	·3	...	...	...	...	--	--	4·6	36
17	--	--	...	...	...	...	·1	...	...	·4	·7	·2	...	...	...	...	--	--	1·4	11
18	--	--	...	·2	...	·3	·7	1·0	1·0	1·0	1·0	1·0	·8	1·0	·7	...	--	--	8·7	70
19	--	--	...	...	...	·1	...	·7	·8	·8	·8	·6	·5	·4	...	...	--	--	4·7	38
20	--	--	...	·4	·9	·9	·7	1·0	·6	·9	·9	·5	·5	·1	...	...	--	--	7·4	60
21	--	--	...	·3	·9	1·0	1·0	1·0	·9	·9	...	·8	·6	·1	...	...	--	--	7·5	61
22	--	--	...	...	·5	·7	·9	1·0	·4	·9	1·0	·5	·1	...	...	...	--	--	6·0	49
23	--	--	...	...	...	...	·3	·6	·1	·6	·2	·7	·5	·3	·1	...	--	--	3·4	28
24	--	--	--	...	...	...	...	...	...	...	...	...	·1	·4	·1	--	--	--	0·6	5
25	--	--	--	·2	·9	·9	1·0	·6	·4	...	·3	·7	·5	·4	...	--	--	--	5·9	49
26	--	--	--	...	...	...	...	...	·1	·2	·7	·9	·9	·9	·3	--	--	--	4·0	34
27	--	--	--	·2	·8	·9	·5	·4	·8	·6	1·0	·9	·7	·9	·2	--	--	--	7·9	67
28	--	--	--	...	...	·1	·2	1·0	·9	·9	1·0	·7	·5	·3	...	--	--	--	5·6	48
29	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	...	--	--	--	9·3	80
30	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
Sum.	--	--	0·2	4·7	8·5	10·9	12·7	15·4	13·7	13·2	15·9	15·0	11·4	11·1	4·3	0·2	--	--	137·2	--
Mean.	--	--	·01	·16	·28	·36	·42	·51	·46	·44	·53	·50	·38	·37	·14	·01	--	--	4·57	36

136. Aberdeen: h_s = 20·7 metres. **October, 1932.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	...	·6	1·0	·6	·5	·7	·7	·7	1·0	·6	·3	...	--	--	--	6·7	58
2	--	--	--	...	·7	·9	1·0	·6	·3	...	·4	·3	·6	·8	·1	--	--	--	5·7	50
3	--	--	--	...	·5	·9	1·0	·9	·7	·7	·9	·7	·7	·3	...	--	--	--	7·3	65
4	--	--	--	...	·7	...	·1	·2	·6	·5	...	...	...	...	...	--	--	--	2·1	19
5	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
6	--	--	--	...	...	...	...	...	·1	...	...	...	...	...	...	--	--	--	0·1	1
7	--	--	--	...	·2	·1	...	...	...	...	...	·2	·1	...	...	--	--	--	0·6	5
8	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
9	--	--	--	...	...	...	·5	·2	·5	1·0	1·0	1·0	·7	·3	...	--	--	--	5·2	48
10	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
11	--	--	--	...	...	·4	1·0	·7	1·0	1·0	1·0	·7	·4	·2	...	--	--	--	6·4	60
12	--	--	--	...	·3	·7	...	...	...	...	·2	...	...	...	...	--	--	--	1·2	11
13	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
14	--	--	--	...	...	...	...	...	...	·1	1·0	·3	·2	...	...	--	--	--	1·6	15
15	--	--	--	...	...	...	·8	·5	·8	·1	...	...	...	...	...	--	--	--	2·2	21
16	--	--	--	...	...	...	...	...	·1	...	...	...	...	...	...	--	--	--	0·1	1
17	--	--	--	...	·3	·9	·6	·5	·5	·3	·1	...	...	...	...	--	--	--	3·2	31
18	--	--	--	--	...	...	·1	·1	1·0	·8	1·0	·6	·7	·1	...	--	--	--	4·4	44
19	--	--	--	--	·4	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	--	7·0	70
20	--	--	--	--	...	...	·7	·7	·7	·9	1·0	1·0	1·0	·3	--	--	--	--	6·3	63
21	--	--	--	--	...	...	...	·7	·8	·3	·8	·8	...	...	--	--	--	--	3·4	34
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
23	--	--	--	--	...	·2	·5	1·0	·9	1·0	1·0	·7	·4	...	--	--	--	--	5·7	59
24	--	--	--	--	...	...	·6	1·0	1·0	·5	...	...	·1	...	--	--	--	--	3·2	33
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
28	--	--	--	--	...	·3	·9	·8	1·0	·6	1·0	·6	·1	...	--	--	--	--	5·3	57
29	--	--	--	--	...	...	...	...	...	·1	...	...	...	...	--	--	--	--	0·1	1
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
31	--	--	--	--	...	...	·1	·1	·5	·7	·7	·6	·1	...	--	--	--	--	2·8	31
Sum.	--	--	--	...	3·7	6·4	9·5	9·5	12·2	10·3	11·8	9·1	5·7	2·3	0·1	--	--	--	80·6	--
Mean.	--	--	--	...	·12	·21	·31	·31	·39	·33	·38	·29	·18	·07	·00	--	--	--	2·60	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.

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, 1932.

Hour. L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	--	...	...	·4	...	...	...	...	...	...	...	--	--	--	--	0·4	4
2	--	--	--	--	...	...	...	·1	...	·3	·4	·4	·3	...	--	--	--	--	1·5	17
3	--	--	--	--	...	...	...	...	...	...	·1	·1	...	...	--	--	--	--	0·2	2
4	--	--	--	--	...	...	...	...	...	...	...	...	·2	...	--	--	--	--	0·2	2
5	--	--	--	--	...	·4	1·0	·8	·7	1·0	·9	1·0	·2	...	--	--	--	--	6·0	69
6	--	--	--	--	...	...	...	·3	·7	·8	1·0	1·0	·5	...	--	--	--	--	4·3	49
7	--	--	--	--	...	...	...	·9	1·0	1·0	1·0	1·0	...	...	--	--	--	--	4·9	57
8	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
9	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
10	--	--	--	--	...	...	...	·7	·7	·8	·9	·4	·1	...	--	--	--	--	3·6	43
11	--	--	--	--	...	...	·2	·9	·8	·7	·8	·7	...	...	--	--	--	--	4·1	49
12	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
14	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
15	--	--	--	--	--	...	...	·3	...	...	...	...	...	--	--	--	--	--	0·3	4
16	--	--	--	--	--	...	...	...	...	...	...	·1	...	--	--	--	--	--	0·1	1
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
19	--	--	--	--	--	...	·9	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	--	6·0	78
20	--	--	--	--	--	...	...	...	...	...	...	·2	...	--	--	--	--	--	0·2	3
21	--	--	--	--	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	--	6·3	83
22	--	--	--	--	--	...	...	...	...	...	·1	·3	...	--	--	--	--	--	0·4	3
23	--	--	--	--	--	...	·6	1·0	1·0	1·0	1·0	·7	·1	--	--	--	--	--	5·4	72
24	--	--	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	--	5·6	76
25	--	--	--	--	--	...	·7	·1	·1	...	...	...	...	--	--	--	--	--	0·9	12
26	--	--	--	--	--	...	·8	1·0	1·0	·8	1·0	·3	...	--	--	--	--	--	4·9	67
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
28	--	--	--	--	--	...	·1	·1	...	...	...	...	...	--	--	--	--	--	0·2	3
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
30	--	--	--	--	--	...	...	...	·1	·2	·1	...	...	--	--	--	--	--	0·4	6
Sum.	--	--	--	--	...	0·7	6·3	9·2	9·1	9·6	10·3	9·2	1·5	...	--	--	--	--	55·9	--
Mean.	--	--	--	--	...	·02	·21	·31	·30	·32	·34	·31	·05	...	--	--	--	--	1·86	23

138. Aberdeen: h_s = 20·7 metres. December and Year 1932.

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	--	5·4	76
2	--	--	--	--	--	...	...	·4	1·0	1·0	1·0	·6	...	--	--	--	--	--	4·0	57
3	--	--	--	--	--	...	...	·6	·7	·9	·6	·1	...	--	--	--	--	--	2·9	41
4	--	--	--	--	--	...	·2	...	...	...	...	...	...	--	--	--	--	--	0·2	3
5	--	--	--	--	--	...	·4	1·0	·7	1·0	1·0	·5	...	--	--	--	--	--	4·6	67
6	--	--	--	--	--	...	...	...	·1	·3	·8	·3	...	--	--	--	--	--	1·5	22
7	--	--	--	--	--	...	·6	·9	·5	·9	·2	...	...	--	--	--	--	--	3·1	46
8	--	--	--	--	--	...	·4	1·0	·8	·4	·5	...	...	--	--	--	--	--	3·1	46
9	--	--	--	--	--	...	·2	·3	...	·3	...	...	...	--	--	--	--	--	0·8	12
10	--	--	--	--	--	...	...	...	...	·1	...	...	...	--	--	--	--	--	0·1	1
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
14	--	--	--	--	--	...	...	·2	·2	...	·4	...	...	--	--	--	--	--	0·8	12
15	--	--	--	--	--	...	...	...	...	·6	1·0	·5	...	--	--	--	--	--	2·1	32
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	·2	...	...	...	...	...	...	--	--	--	--	--	0·2	3
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
22	--	--	--	--	--	...	...	·2	·3	·7	·8	...	...	--	--	--	--	--	2·0	30
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
24	--	--	--	--	--	...	...	·6	·9	·7	·1	...	...	--	--	--	--	--	2·3	35
25	--	--	--	--	--	...	...	·5	1·0	1·0	·9	...	...	--	--	--	--	--	3·4	52
26	--	--	--	--	--	...	...	·4	1·0	1·0	·4	...	...	--	--	--	--	--	2·8	42
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
29	--	--	--	--	--	...	...	...	...	·1	...	...	...	--	--	--	--	--	0·1	1
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
31	--	--	--	--	--	...	...	...	...	·1	...	...	...	--	--	--	--	--	0·1	1
Sum.	--	--	--	--	--	...	2·7	7·1	8·2	10·1	8·7	2·7	...	--	--	--	--	--	39·5	--
Mean.	--	--	--	--	--	...	·09	·23	·26	·33	·28	·09	...	--	--	--	--	--	1·27	19
Annual Totals.	0·2	8·1	27·2	39·7	63·4	78·6	104·8	126·7	133·9	140·0	140·4	123·9	89·0	68·7	48·6	34·7	12·3	0·4	1240·6	--
Annual Mean.	·00	·02	·07	·11	·17	·21	·29	·35	·37	·38	·38	·34	·24	·19	·13	·09	·03	·00	3·39	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.

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

139. Aberdeen: Robinson anemograph from July, 1930.* H_a (height of anemograph 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	6·4	210	4·9	200	6·0	210	5·7	210	4·9	220	5·5	220	7·9	210	5·7	210	4·5	210	5·7	210	4·1	210	5·7
2	260	2·0	270	3·0	260	1·8	280	2·0	---	0·4	---	0·4	---	0·4	---	0·3	---	0·4	---	0·3	---	1·2	80	2·2
3	---	1·3	---	1·1	---	1·3	---	0·8	---	0·4	---	0·4	---	0·7	---	0·8	---	0·4	---	0·4	---	0·8	---	0·8
4	---	0·9	---	0·8	170	1·7	170	3·0	210	3·7	190	3·5	190	4·2	180	5·2	190	6·4	200	8·6	210	7·0	200	2·3
5	250	6·5	240	6·5	240	6·8	250	7·3	240	5·1	210	4·9	200	6·0	210	3·8	200	3·0	200	4·3	200	6·0	180	6·5
6	210	3·8	200	2·6	190	3·1	180	4·0	190	4·2	200	4·3	210	3·8	210	4·1	230	2·9	220	4·7	220	3·6	240	2·5
7	290	9·0	290	10·5	290	11·5	290	7·6	290	7·3	280	5·9	260	3·6	270	5·6	260	4·0	280	4·9	270	3·7	260	4·7
8	280	5·4	290	5·7	300	4·3	310	4·6	300	4·6	310	3·0	300	3·3	300	4·6	290	4·2	290	4·0	290	3·6	280	2·0
9	210	4·1	200	4·4	220	3·3	200	3·9	200	3·9	200	3·5	190	3·6	190	3·1	180	5·2	170	6·5	200	6·1	180	7·3
10	190	6·0	190	6·1	190	6·1	180	6·1	180	6·5	190	5·5	190	8·7	190	6·4	200	6·1	200	6·1	200	5·1	190	6·4
11	230	3·3	230	3·3	200	4·7	210	4·9	200	6·8	200	7·3	210	7·4	210	5·7	210	4·9	190	5·0	190	4·6	190	4·2
12	220	2·2	---	1·1	240	2·2	240	3·3	240	2·5	240	1·8	250	2·2	---	0·8	---	1·3	---	1·1	210	2·0	190	2·8
13	150	10·7	150	10·3	160	13·7	170	10·9	170	9·2	160	12·5	150	9·0	160	9·4	200	6·8	200	6·8	190	7·8	190	11·9
14	230	7·3	250	7·3	240	8·3	240	6·8	220	6·5	220	9·3	230	7·6	210	8·3	220	6·5	190	7·8	190	7·8	190	9·2
15	160	15·1	160	13·7	200	7·7	240	3·3	240	2·2	220	3·6	220	4·0	230	5·4	220	2·9	220	6·2	230	7·3	220	7·3
16	180	4·8	190	4·0	200	3·4	200	6·1	210	6·1	200	5·7	210	8·6	200	8·6	200	12·4	190	9·2	180	8·8	190	10·1
17	---	0·8	---	1·3	310	2·0	300	2·3	300	2·6	290	3·3	290	3·9	290	2·2	280	2·0	220	1·8	190	3·6	190	3·6
18	190	13·3	190	12·5	190	12·5	190	8·3	190	7·8	160	6·9	180	4·7	190	5·5	190	5·5	190	5·0	180	6·1	200	5·1
19	210	8·6	210	8·6	200	5·6	180	7·9	210	7·4	220	5·4	230	6·2	220	6·5	220	8·6	220	7·3	210	11·9	210	12·7
20	---	0·4	---	0·0	---	0·3	---	1·4	330	1·8	320	2·9	320	2·9	330	3·6	330	1·8	320	2·2	---	1·3	---	0·7
21	200	3·0	210	2·0	---	1·3	180	2·1	190	4·6	190	4·2	190	4·6	190	7·3	180	5·7	200	6·0	180	4·4	190	6·5
22	280	1·6	280	2·0	---	0·9	---	0·9	---	0·9	280	2·0	---	1·4	260	2·2	---	1·1	---	0·8	---	1·1	---	1·4
23	200	2·1	220	2·5	190	4·6	190	3·6	210	4·1	210	5·7	200	6·4	200	6·5	210	8·3	210	6·8	200	3·9	200	6·0
24	170	5·2	180	5·0	190	5·2	180	5·2	180	3·5	180	4·8	180	5·7	180	3·5	190	4·2	200	6·4	190	7·3	190	5·5
25	280	1·8	260	3·3	270	3·9	280	4·1	280	2·5	290	2·9	290	6·2	290	7·6	290	6·3	280	4·5	260	2·9	280	4·9
26	---	1·1	---	1·4	---	1·8	230	2·2	---	0·4	---	1·3	190	3·7	180	3·5	150	1·7	180	5·2	220	4·7	210	3·7
27	---	0·8	---	1·3	210	2·5	230	3·3	220	2·5	230	3·3	250	2·2	270	2·1	210	4·5	220	4·0	230	4·0	230	4·7
28	---	0·8	---	1·1	---	1·1	---	1·1	---	1·1	---	1·1	---	0·3	---	1·1	---	0·8	---	0·8	170	1·7	210	4·1
29	190	3·2	210	4·9	210	4·1	200	4·3	210	3·3	220	4·7	210	2·5	280	4·5	310	4·9	300	2·6	280	3·3	280	5·7
30	290	6·5	290	6·2	280	4·9	270	2·6	270	5·1	280	4·5	290	5·7	290	3·6	290	5·4	290	3·6	280	4·1	300	3·9
31	---	1·1	280	1·6	270	1·7	---	1·4	---	1·4	---	0·9	---	1·4	230	1·8	---	0·8	---	0·3	240	1·8	---	1·1
Mean.	---	4·5	---	4·5	---	4·5	---	4·2	---	4·0	---	4·2	---	4·5	---	4·5	---	4·2	---	4·5	---	4·6	---	5·0

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

* Values of wind speed adjusted as explained in Introduction, p.90

Averages for periods of sixty minutes centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 13 metres + 23 metres.

January, 1932.

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

February, 1932.

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	
310	7·9	310	7·2	320	7·3	320	7·3	320	5·4	310	4·3	310	4·3	310	4·3	310	4·3	300	3·9	300	3·9	300	4·3	5·2	1
310	7·9	300	7·2	290	8·3	290	5·5	290	4·7	280	4·9	270	3·4	260	2·5	260	2·2	280	2·9	300	4·9	290	5·1	4·9	2
310	3·9	320	4·3	330	4·0	310	3·6	300	1·6	300	1·6	---	1·3	---	1·3	---	1·4	290	2·2	---	1·4	---	1·3	3·5	3
340	2·4	330	1·8	---	0·8	---	1·3	---	1·3	---	0·7	---	0·3	---	0·7	---	1·4	---	1·1	---	1·4	---	0·9	1·7	4
220	2·2	190	1·8	190	2·2	200	1·7	190	2·2	190	1·8	---	0·9	200	2·6	200	2·1	200	2·1	210	1·7	---	1·4	1·9	5
200	1·7	190	1·8	210	2·5	190	2·8	190	2·8	200	1·7	200	1·7	200	2·1	210	2·0	200	1·7	210	2·0	200	2·1	1·8	6
270	2·6	290	1·8	---	1·1	310	3·6	300	3·0	310	2·6	330	3·3	310	1·6	320	3·6	320	3·6	310	2·6	310	3·9	2·3	7
340	8·3	330	6·8	330	9·0	320	7·3	330	7·3	330	5·7	340	4·0	340	3·6	340	4·0	340	4·0	340	3·6	340	3·1	5·4	8
340	1·6	---	1·3	---	0·9	---	1·3	330	2·9	330	2·5	330	2·9	320	3·3	340	4·0	40	6·2	110	9·5	110	11·0	3·2	9
90	6·8	80	4·7	80	4·3	60	3·3	40	4·0	10	3·4	340	2·8	340	2·8	340	3·1	330	3·3	10	1·7	40	6·7	6·6	10
20	5·1	360	7·5	10	7·3	10	6·8	20	7·3	10	5·1	10	5·6	20	6·4	10	5·1	360	5·2	340	4·3	350	5·6	5·4	11
20	4·3	50	4·7	40	3·6	360	2·7	340	3·6	330	3·3	330	3·3	330	3·3	330	3·6	330	3·6	320	5·4	320	5·7	4·3	12
360	6·9	350	5·6	340	5·9	340	4·7	350	6·0	350	6·0	350	4·2	340	3·6	310	3·3	320	3·3	310	3·0	330	3·9	5·2	13
310	7·2	300	6·2	310	5·9	310	6·2	300	4·9	290	4·3	290	3·6	290	5·7	290	7·6	290	6·5	300	5·9	300	4·9	5·6	14
310	6·2	310	7·5	310	6·6	310	6·2	310	4·9	300	4·3	300	3·9	310	3·6	310	3·3	310	3·9	300	4·3	310	3·6	4·8	15
290	1·8	280	2·9	---	1·3	310	1·6	310	2·0	300	2·0	290	1·8	290	2·2	270	2·7	---	0·8	---	0·8	280	2·5	2·7	16
240	3·3	230	2·5	240	2·9	230	1·8	---	1·4	220	1·8	260	2·2	280	1·7	280	1·7	280	1·7	290	2·2	---	1·4	1·8	17
240	1·8	230	2·2	---	1·4	200	2·6	220	2·2	220	1·8	---	1·4	290	1·8	290	2·2	---	1·4	250	1·8	260	1·8	1·7	18
320	5·4	330	5·1	320	5·1	320	6·2	320	5·4	310	3·6	310	3·9	310	4·9	330	3·6	350	3·6	340	3·1	330	2·5	4·1	19
300	2·3	310	3·0	310	2·6	320	2·5	---	0·8	---	0·9	290	2·2	290	3·3	290	2·5	270	2·6	270	1·7	280	2·0	2·4	20
290	6·2	300	7·2	300	6·6	300	7·9	300	7·5	300	8·5	300	7·9	310	6·9	310	6·6	310	6·2	310	6·9	310	6·2	5·5	21
310	6·6	310	6·9	310	7·2	310	7·9	310	5·2	310	6·6	310	4·9	310	4·9	310	5·6	310	4·9	310	4·9	310	5·2	6·4	22
300	7·7	310	7·5	320	8·0	310	8·1	310	10·2	310	8·7	320	9·7	320	9·6	320	8·4	330	8·4	340	6·7	350	6·4	7·4	23
350	4·6	340	5·5	360	5·2	10	4·7	350	4·2	350	4·2	340	4·0	330	3·6	330	3·6	320	3·3	320	3·6	320	4·0	5·0	24
320	4·7	330	5·4	10	4·3	10	4·7	350	4·7	350	5·5	360	4·0	330	3·3	320	2·9	320	3·6	310	3·3	300	5·9	4·3	25
20	5·6	20	3·9	20	4·7	10	5·1	10	5·6	10	5·1	360	5·2	350	3·2	350	4·2	340	4·0	350	4·2	10	4·7	4·8	26
110	4·0	110	3·1	100	3·3	110	2·4	110	1·6	---	0·8	110	1·9	110	2·4	120	3·1	120	1·9	---	1·2	---	1·3	2·9	27
120	6·2	120	5·2	110	5·9	110	5·9	100	6·1	90	5·7	90	6·2	90	7·3	100	9·0	100	6·1	100	7·7	110	5·9	5·2	28
60	4·3	60	3·6	90	2·9	80	2·5	60	1·8	60	2·0	50	2·9	60	2·5	70	2·4	---	0·9	---	0·3	120	1·9	3·0	29
---	4·8	---	4·6	---	4·5	---	4·4	---	4·2	---	3·8	---	3·6	---	3·6	---	3·8	---	3·5	---	3·6	---	4·0	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: Robinson anemograph from July, 1930.* H_a (height of anemograph 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	2·9	140	1·7	---	1·3	160	1·8	---	1·3	---	0·9	---	1·1	---	1·1	---	1·1	---	1·3	130	4·7	130	4·7
2	110	4·7	110	2·8	110	2·4	70	1·6	140	2·0	---	0·4	140	2·9	110	1·6	110	3·6	100	6·1	90	4·3	90	5·7
3	---	1·2	---	1·3	340	1·9	310	2·0	300	2·3	300	3·0	310	3·3	310	3·0	310	3·3	300	3·9	300	3·9	300	3·3
4	290	4·3	290	4·0	290	4·3	290	2·9	290	3·3	290	1·8	290	2·5	290	1·8	---	0·8	---	1·4	250	2·9	280	2·2
5	200	5·0	200	5·6	210	5·4	210	7·4	220	6·5	230	6·3	220	5·1	210	3·7	210	5·4	210	8·3	210	6·5	210	6·1
6	240	4·7	240	7·1	250	6·8	260	6·5	260	6·8	260	6·8	250	5·7	240	5·4	250	5·7	240	5·1	260	6·2	260	7·1
7	310	6·6	300	5·6	290	5·4	290	4·7	300	4·6	280	2·5	270	3·9	270	3·0	250	3·6	220	2·5	250	3·6	240	3·6
8	300	2·6	300	2·3	300	2·3	300	1·6	290	3·6	290	4·3	300	4·3	290	4·0	290	3·6	300	5·6	300	6·6	310	6·6
9	300	2·3	300	3·0	300	3·3	300	3·0	300	3·9	290	3·6	290	3·6	290	3·6	290	3·6	290	6·5	300	5·9	300	6·2
10	300	4·3	300	4·9	310	3·9	300	5·6	300	3·9	310	4·9	310	4·9	320	4·7	320	3·6	320	4·3	340	4·7	20	6·4
11	10	7·7	10	6·8	10	6·4	20	6·0	50	4·7	40	4·0	350	4·6	60	2·2	330	2·2	50	2·9	360	1·7	320	1·8
12	230	4·0	230	5·1	240	5·4	240	4·3	240	4·7	250	2·9	240	5·4	250	5·4	270	6·8	290	8·7	300	10·5	300	10·8
13	230	2·5	220	2·2	---	1·1	---	1·1	---	1·4	230	1·8	---	1·4	---	0·9	280	7·7	290	7·6	300	9·5	300	10·2
14	290	6·8	280	7·0	290	6·2	290	4·0	300	3·9	300	6·2	290	6·8	300	4·6	300	5·9	310	6·6	310	6·6	310	8·2
15	---	1·4	---	0·3	---	0·8	---	0·9	---	0·9	---	1·1	---	1·1	---	0·9	---	1·1	---	1·0	---	1·1	200	1·7
16	---	1·0	---	1·3	300	1·6	300	1·6	290	2·5	300	2·0	290	2·2	300	1·6	310	2·0	300	3·3	310	3·3	320	4·0
17	300	2·6	300	2·3	310	2·6	310	2·6	300	2·3	300	2·3	310	3·0	310	3·3	320	4·0	320	4·7	330	4·0	20	2·6
18	300	3·0	290	3·3	---	1·3	---	0·8	---	1·4	250	1·8	250	2·2	250	2·2	270	3·9	290	7·9	300	7·5	310	7·2
19	---	0·8	---	1·3	270	1·7	260	2·9	260	3·3	280	2·0	290	2·2	280	2·9	290	2·9	280	4·9	290	4·3	300	4·3
20	---	0·8	---	1·3	---	1·0	---	0·3	---	0·8	---	0·9	---	0·0	---	1·0	150	2·1	160	3·2	130	4·3	170	4·8
21	200	3·0	200	3·6	200	3·6	190	2·2	---	1·4	200	2·1	180	2·1	170	2·7	180	4·3	180	2·7	160	3·2	140	4·1
22	150	9·0	150	8·4	150	9·4	160	10·5	160	9·2	170	8·8	170	8·3	170	8·8	170	9·6	150	8·6	160	8·7	160	7·8
23	130	5·5	120	6·7	120	5·5	120	4·7	120	5·2	120	5·5	130	3·1	160	2·2	260	1·8	240	2·9	230	2·5	190	6·0
24	170	6·5	170	7·9	160	6·4	170	5·7	170	7·5	170	7·5	160	5·5	170	4·8	190	3·6	210	6·1	170	7·5	170	7·5
25	180	6·5	190	6·0	190	5·5	190	4·6	200	3·4	180	4·8	190	5·5	200	4·3	200	3·9	170	4·4	170	4·4	180	5·7
26	150	10·3	160	8·7	160	7·8	170	6·9	160	6·9	150	7·3	150	7·7	150	9·4	140	9·9	140	9·9	140	10·3	140	11·1
27	150	9·7	150	8·6	150	9·4	150	8·6	150	9·4	150	9·7	150	9·0	150	9·7	150	9·0	140	9·4	150	9·7	150	10·3
28	140	6·1	140	7·4	130	7·1	130	4·0	130	5·2	130	4·0	130	4·3	140	3·7	130	1·9	130	2·4	---	0·8	330	2·5
29	250	2·9	250	2·2	---	1·4	---	0·8	---	1·8	---	0·3	---	0·4	190	1·8	190	3·6	190	3·6	200	5·6	190	4·6
30	160	2·8	150	2·6	140	2·5	120	2·4	90	2·9	90	2·5	40	2·4	360	3·1	350	3·2	330	3·3	320	5·7	300	6·6
31	250	4·0	250	4·3	260	4·0	310	5·6	330	8·3	330	10·8	320	10·8	320	10·8	320	12·7	320	11·5	310	9·8	320	10·8
Mean.	---	4·4	---	4·4	---	4·1	---	3·8	---	4·0	---	4·0	---	4·0	---	3·8	---	4·4	---	5·2	---	5·5	---	6·0

142. Aberdeen: H_a = 13 metres + 23 metres.

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

* Values of wind speed adjusted as explained in Introduction, p. 90.

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 13 metres + 23 metres.

March, 1932.

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

April, 1932.

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

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

143. Aberdeen: Robinson anemograph from July, 1930.* H_a (height of anemograph 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	---	0·8	---	1·1	---	0·9	---	1·3	20	2·1	30	3·4	30	2·6	10	2·6	360	3·0	350	4·2	340	2·8	350	4·2
2	30	6·8	40	7·1	40	4·7	30	4·3	360	4·0	350	5·0	10	5·6	20	4·7	20	5·6	30	6·8	30	6·0	40	7·9
3	350	6·9	360	5·7	10	6·0	10	6·0	360	6·7	360	6·7	10	6·0	20	6·8	10	7·7	10	7·7	350	9·2	10	9·8
4	340	5·9	340	4·3	350	6·9	350	6·4	340	5·9	340	4·7	350	6·9	360	7·9	360	8·1	10	8·6	360	8·8	360	10·0
5	350	6·0	350	6·4	350	6·4	350	7·8	360	5·7	360	6·5	360	8·3	360	8·3	360	9·6	20	8·6	10	8·6	10	10·2
6	360	8·8	10	8·1	10	7·3	10	7·3	360	6·9	360	6·1	360	7·9	360	6·9	20	10·2	10	8·6	20	9·4	20	9·4
7	320	4·7	320	4·7	320	5·4	320	6·2	310	3·9	340	5·5	320	6·2	350	6·0	340	5·9	360	5·7	330	6·2	330	6·8
8	300	3·0	300	4·9	290	4·3	290	5·1	290	4·0	300	4·9	300	6·2	310	5·9	310	5·9	310	5·6	310	4·6	310	5·6
9	---	0·8	---	1·3	---	1·3	290	1·8	290	2·2	300	1·6	---	1·3	---	1·0	100	2·0	110	3·1	120	3·1	130	4·3
10	290	4·0	290	3·3	300	3·0	300	3·6	290	3·3	280	5·4	290	6·2	290	5·4	300	6·9	300	4·9	300	5·2	310	4·9
11	300	2·0	300	1·6	310	1·6	300	1·6	---	0·8	280	1·6	---	1·3	330	2·5	---	1·3	110	1·9	120	4·0	130	3·1
12	150	5·6	150	6·0	140	5·6	140	7·7	130	8·3	130	9·8	140	9·9	140	10·3	130	9·5	130	9·8	130	8·3	130	9·5
13	---	0·8	---	1·4	240	1·8	240	1·8	310	2·0	230	1·8	---	1·4	---	0·8	200	1·7	210	1·6	130	3·6	170	4·0
14	210	2·9	210	4·1	230	2·9	240	3·3	220	2·9	230	3·6	230	4·0	230	3·3	240	5·1	230	5·4	230	6·2	220	5·1
15	200	1·7	---	1·3	220	1·8	---	1·3	---	0·9	---	1·3	---	1·0	120	3·6	130	3·6	120	4·0	110	3·6	120	3·6
16	50	2·5	40	3·1	30	3·9	30	3·0	40	1·9	40	4·0	90	1·8	260	1·8	---	1·1	290	1·8	330	1·8	130	3·4
17	---	0·8	---	1·1	320	3·3	320	4·3	330	4·3	340	3·1	350	3·6	10	3·0	350	2·8	340	3·1	340	2·8	340	1·9
18	---	0·0	---	0·9	---	0·9	---	0·3	---	0·9	---	0·4	---	1·4	190	3·2	170	3·1	130	3·1	130	4·7	140	4·1
19	190	3·2	210	2·0	210	3·3	200	4·7	220	2·9	220	4·7	210	5·7	220	1·8	230	3·6	210	6·1	200	5·6	190	6·0
20	200	4·7	210	2·9	220	3·3	210	7·0	210	4·5	170	1·7	210	5·4	220	5·1	210	7·7	220	6·8	220	4·7	200	5·6
21	---	1·0	---	1·3	310	2·0	10	2·1	20	3·0	20	2·6	30	3·0	20	4·7	30	4·7	350	3·6	350	5·4	340	4·3
22	360	5·2	350	5·5	10	5·1	10	4·7	340	4·3	350	5·5	360	4·8	10	6·4	350	6·9	10	6·4	350	7·3	10	7·7
23	330	5·4	320	5·7	320	5·4	310	4·6	320	5·1	310	6·2	310	6·6	320	7·6	330	7·9	330	7·9	330	6·5	340	5·9
24	300	2·6	310	4·3	310	3·9	310	3·9	310	3·9	330	4·3	330	6·2	340	6·7	330	6·8	350	9·0	340	7·9	360	7·9
25	340	5·9	340	7·4	330	6·2	330	6·5	340	5·5	340	7·1	350	7·8	350	9·0	350	9·7	350	7·8	350	9·2	350	7·8
26	40	7·4	30	6·4	30	7·3	30	7·7	40	5·9	20	4·7	20	3·9	10	6·0	20	4·7	10	6·0	360	6·1	360	5·2
27	340	6·7	340	5·9	340	6·2	340	4·3	340	6·2	330	6·2	330	6·8	330	8·3	330	6·5	330	9·0	330	8·7	330	8·7
28	70	6·2	80	5·1	80	5·4	60	2·2	40	4·0	30	3·9	20	3·7	20	3·0	20	3·0	20	3·0	20	2·9	350	4·2
29	310	6·6	320	7·9	330	5·4	40	6·2	50	6·5	50	8·7	80	7·6	80	9·4	90	10·5	100	11·5	100	11·9	110	10·2
30	30	1·7	---	1·0	20	1·7	30	2·1	---	1·4	---	1·4	---	1·4	340	1·9	30	2·6	40	1·9	40	2·4	70	2·4
31	350	3·2	350	2·8	340	2·4	350	2·8	350	3·2	340	2·4	340	3·1	330	3·6	330	3·3	340	3·6	20	3·4	30	3·9
Mean.	---	4·0	---	4·0	---	4·1	---	4·3	---	4·0	---	4·3	---	4·8	---	5·1	---	5·5	---	5·7	---	5·8	---	6·1

144. Aberdeen: H_a = 13 metres + 23 metres.

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

* Values of wind speed adjusted as explained in Introduction, P.90.

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 13 metres + 23 metres.

May, 1932.

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

June, 1932.

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

145. Aberdeen: Robinson anemograph from July, 1930.*

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

146. Aberdeen: H_a = 13 metres + 23 metres.

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

* Values of wind speed adjusted as explained in Introduction, P.90.

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) = 13 metres + 23 metres.

July, 1932.

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

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

147. Aberdeen: Robinson anemograph from July, 1930.* H_a (height of anemograph 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	180	2·7	190	2·8	190	5·0	190	5·0	180	4·8	180	5·2	190	6·9	180	6·1	190	8·3	190	8·3	190	8·7	190	5·6
2	320	2·9	---	1·3	---	0·3	---	0·4	200	2·6	250	4·7	280	2·0	---	1·1	220	2·9	210	3·7	220	3·3	250	4·7
3	210	2·5	220	2·5	200	4·7	210	4·1	200	3·4	210	4·1	210	3·3	210	3·7	210	4·1	210	4·9	240	4·7	260	6·8
4	290	7·9	280	7·7	270	6·4	270	4·7	270	6·0	280	4·9	280	4·9	290	6·2	300	5·2	300	6·9	300	5·6	300	4·6
5	210	3·7	200	3·0	200	3·9	200	4·3	210	4·9	210	4·5	210	5·4	210	4·1	190	2·9	210	3·7	210	4·5	210	7·3
6	210	2·9	210	3·3	200	3·0	180	1·7	200	2·1	180	1·7	210	2·9	210	2·5	160	1·8	---	1·3	---	1·4	---	0·9
7	---	0·8	---	1·3	---	0·7	---	0·3	---	0·9	---	0·8	---	0·4	---	0·4	---	0·8	260	2·5	330	2·2	150	2·6
8	290	1·8	300	1·6	---	0·8	---	0·9	---	1·3	310	2·0	20	1·7	70	5·2	70	7·4	70	6·7	60	6·8	60	6·8
9	---	0·9	20	1·7	---	0·8	---	0·8	---	0·4	---	1·2	---	0·8	---	1·3	---	0·4	---	0·9	---	0·4	---	1·2
10	---	0·3	---	0·4	---	1·4	230	2·5	190	3·2	210	3·7	190	4·2	190	4·2	200	5·1	200	4·7	200	3·9	200	4·3
11	220	3·6	220	3·6	220	4·0	220	3·3	220	2·9	230	3·3	240	2·5	220	2·2	260	4·7	280	7·0	280	8·6	290	9·3
12	290	3·3	280	4·1	270	5·6	270	4·3	280	4·1	260	4·7	260	3·3	280	4·1	280	6·5	280	7·7	290	5·7	290	8·7
13	280	2·5	260	2·5	240	2·9	250	2·9	---	1·4	---	1·3	280	2·0	280	1·6	180	1·6	170	4·0	170	4·8	170	5·7
14	---	0·9	---	0·9	---	1·4	---	1·4	240	2·2	250	2·9	250	2·2	260	3·3	260	2·5	250	1·8	260	2·5	260	3·3
15	210	3·3	200	3·9	180	4·0	180	2·7	170	2·1	220	3·3	220	4·0	220	1·8	200	1·7	140	2·5	220	4·3	270	6·0
16	---	0·8	---	1·4	---	1·1	---	1·4	---	1·3	---	1·1	---	1·3	---	1·0	---	0·9	250	1·8	250	3·3	230	1·8
17	30	3·4	30	2·6	---	1·3	350	2·2	360	2·1	350	1·8	350	1·8	---	1·2	330	1·8	320	2·2	330	1·8	110	1·6
18	---	1·4	---	0·9	290	3·3	270	5·6	230	2·9	240	2·9	250	4·3	250	4·3	250	5·7	270	8·1	280	9·4	280	9·4
19	280	7·7	280	8·6	290	7·6	290	7·9	290	7·3	300	6·6	300	5·6	300	4·9	310	5·6	310	7·9	320	7·6	310	8·9
20	300	4·9	300	4·6	300	4·9	290	6·2	280	5·4	290	5·1	280	5·7	290	4·7	290	5·4	290	7·3	290	6·8	300	5·6
21	280	5·7	280	4·5	280	5·7	280	4·9	280	5·4	280	4·1	290	4·3	280	5·4	290	4·3	300	5·9	290	4·7	290	5·1
22	230	1·8	---	1·1	230	2·2	230	2·5	200	1·7	210	3·3	210	2·0	210	4·1	210	3·7	200	3·9	210	4·1	210	4·9
23	270	1·7	---	0·8	---	0·8	330	2·2	310	2·6	330	3·6	330	4·0	330	4·0	340	4·7	340	5·5	350	6·0	330	5·7
24	290	2·2	290	2·5	---	1·3	---	1·1	---	1·1	---	1·4	---	1·4	---	1·4	---	1·3	190	4·3	200	3·9	200	5·1
25	230	2·5	220	2·9	210	2·9	210	2·5	200	3·9	210	4·1	200	3·9	210	2·5	200	3·9	210	5·4	200	4·7	210	4·1
26	340	4·7	330	4·7	330	5·4	350	5·0	340	6·7	340	7·9	340	9·5	350	8·7	330	8·7	340	8·6	340	8·6	340	9·8
27	320	5·0	320	4·3	320	5·7	320	4·7	330	4·7	310	3·3	310	4·6	310	4·3	310	5·2	330	6·8	320	6·2	320	5·7
28	270	2·1	250	3·3	240	2·9	230	2·5	260	2·2	---	1·4	---	1·4	---	1·4	230	1·8	200	2·1	200	2·6	180	3·1
29	---	0·9	---	1·3	---	1·3	---	1·1	---	1·3	---	1·4	260	2·9	260	2·5	290	2·5	---	0·9	110	1·6	120	1·9
30	200	2·1	---	0·8	210	2·0	210	1·6	---	1·1	---	1·4	280	1·6	280	2·5	---	1·3	250	1·8	---	1·4	---	1·1
Mean	---	2·9	---	2·8	---	3·1	---	3·0	---	3·1	---	3·3	---	6·4	---	3·4	---	3·8	---	4·6	---	4·7	---	5·1

148. Aberdeen: H_a = 13 metres + 23 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	310	4·6	320	5·1	330	5·4	330	4·7	320	7·3	320	6·4	320	5·4	310	5·6	330	7·9	320	7·3	320	6·5	340	6·2
2	210	5·1	210	4·9	210	5·7	220	6·5	240	4·3	280	7·7	290	8·7	290	9·8	290	13·0	300	12·8	290	14·4	330	8·7
3	280	3·3	290	2·9	300	2·6	320	2·2	320	2·2	300	2·6	300	3·9	310	3·9	300	3·9	330	4·7	330	5·1	330	5·4
4	300	2·6	290	2·2	270	3·0	290	4·3	300	3·6	290	3·3	290	3·3	290	2·9	290	4·0	280	2·9	300	3·0	300	3·6
5	---	1·4	240	1·8	---	1·4	---	0·8	---	1·4	---	1·4	---	0·8	---	1·4	230	2·5	220	2·9	---	1·1	270	1·7
6	210	4·1	210	4·5	210	6·5	210	5·4	210	4·9	210	5·7	210	5·4	190	4·6	200	5·4	200	8·3	200	7·0	210	7·7
7	200	9·7	210	5·4	70	3·6	200	4·3	200	4·7	190	3·6	190	4·6	190	2·8	190	3·6	160	6·4	170	7·3	160	8·3
8	140	15·1	150	14·9	140	15·6	140	16·0	140	16·0	140	15·6	160	13·9	140	13·5	140	14·4	140	12·3	130	13·8	130	13·8
9	120	13·3	130	12·6	140	10·6	140	7·4	150	6·0	150	5·1	150	3·0	140	3·7	130	3·6	120	3·6	130	3·6	120	4·0
10	30	6·4	40	7·9	50	8·7	60	7·6	50	7·9	60	7·6	60	7·9	50	7·3	50	9·0	40	9·8	50	10·1	40	13·3
11	350	7·8	350	8·3	20	6·4	10	3·9	50	3·6	50	3·6	30	3·4	350	3·2	10	2·6	10	3·4	30	3·9	40	4·0
12	---	1·1	220	1·8	---	1·4	---	1·1	---	0·0	220	2·5	---	0·8	---	0·4	---	1·4	210	2·0	200	2·1	200	3·4
13	---	1·1	---	1·4	270	1·7	---	0·8	---	1·3	---	1·1	300	1·6	300	3·0	300	3·0	300	1·6	300	2·3	300	2·6
14	280	5·8	280	5·8	270	6·8	260	5·7	260	4·0	270	6·0	270	6·0	260	5·4	270	6·4	250	6·5	260	7·3	280	9·6
15	310	9·8	310	10·2	310	10·5	310	10·2	310	9·5	310	9·8	310	9·2	310	8·2	300	8·9	310	10·8	310	7·2	310	7·9
16	270	4·3	290	3·6	280	5·4	280	5·4	260	4·3	260	4·7	260	6·5	270	6·4	280	4·5	290	8·3	300	6·6	300	6·2
17	330	3·3	310	3·6	320	5·7	340	4·3	320	2·9	310	3·3	300	3·6	290	1·8	290	2·5	270	3·0	280	4·9	280	4·9
18	120	6·7	90	6·5	60	7·6	10	7·3	340	5·5	330	5·4	310	4·9	310	6·2	300	7·2	300	9·5	300	7·9	300	3·9
19	300	3·9	290	4·7	290	3·3	290	2·9	290	2·5	270	3·0	290	2·5	260	2·2	250	3·3	240	5·4	250	4·3	250	3·6
20	190	6·4	200	3·9	240	2·9	240	2·5	250	2·5	230	2·5	220	2·5	---	1·4	240	3·3	250	5·4	250	4·0	260	5·1
21	230	2·9	230	2·9	---	1·3	250	2·2	---	1·1	250	1·8	240	1·8	---	1·3	260	1·8	240	2·2	240	2·5	240	2·2
22	---	1·3	290	1·8	290	2·2	300	2·3	300	2·0	300	2·3	300	2·6	310	2·6	60	5·4	70	8·3	60	8·3	30	8·5
23	---	0·8	---	1·3	---	0·9	---	0·9	---	0·7	---	0·8	---	0·4	210	2·5	210	2·0	190	2·2	200	2·6	210	3·7
24	---	1·1	270	2·1	---	1·4	280	2·0	290	2·9	300	2·6	290	3·3	290	4·7	290	3·3	300	3·3	300	2·6	300	3·3
25	300	2·6	280	2·5	290	1·8	300	2·5	280	2·0	280	1·7	---	1·1	---	0·4	---	0·3	---	0·0	---	0·4	140	2·9
26	---	1·3	290	2·5	290	5·1	300	2·3	290	2·9	300	4·3	310	3·9	70	7·9	60	6·8	70	8·3	70	7·4	60	5·4
27	30	4·7	30	3·9	10	2·6	350	4·2	340	2·8	340	3·6	340	3·6	340	3·1	340	2·8	340	3·1	340	3·6	20	5·6
28	310	4·3	320	4·0	320	3·9	300	3·9	330	4·0	330	3·6	310	3·6	330	4·0	320	5·1	330	4·0	330	4·7	330	4·3
29	290	4·0	290	3·6	260	2·2	---	1·4	---	1·4	240	2·2	240	1·8	200	2·1	200	4·3	200	3·9	220	3·6	200	5·1
30	160	3·6	170	2·1	170	1·7	30	3·0	130	3·1	200	1·7	300	3·0	300	3·6	310	3·0	300	3·3	310	4·3	330	5·1
31	50	7·6	60	5·7	50	4·3	60	4·0	50	2·9	10	3·0	300	3·3	300	3·0	290	2·2	280	3·3	---	1·3	---	1·0
Mean	---	4·8	---	4·7	---	4·6	---	4·3	---	3·9	---	4·1	---	4·1	---	4·2	---	4·8	---	5·4	---	5·3	---	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 of wind speed adjusted as explained in Introduction, P.90.

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 13 metres + 23 metres.

September, 1932.

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

October, 1932.

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

149. Aberdeen: Robinson anemograph from July, 1930.* H_a (height of anemograph 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	---	0·8	---	0·8	---	0·4	---	0·9	---	1·3	---	1·0	---	1·4	210	3·3	200	2·6	190	4·6	200	4·3	200	5·7
2	220	2·5	220	2·8	200	4·3	200	3·0	200	4·3	200	5·7	190	3·6	200	3·4	200	3·0	210	3·7	220	3·6	250	5·1
3	220	2·2	220	3·3	230	3·6	230	1·8	230	2·5	---	1·4	---	1·3	200	2·1	190	1·8	170	2·7	220	2·9	230	6·8
4	220	8·3	210	7·7	200	4·7	200	3·4	250	3·3	310	3·0	320	3·3	340	5·6	330	5·4	330	7·3	320	7·3	330	7·3
5	300	6·6	300	5·9	310	5·2	310	4·9	300	4·6	300	3·9	300	4·9	280	3·7	300	3·9	290	4·3	300	3·6	300	3·9
6	---	1·4	---	0·3	---	0·8	---	1·4	---	0·4	---	1·1	---	1·4	---	0·0	---	0·3	---	1·4	---	0·3	---	0·8
7	200	3·4	200	1·7	190	2·2	---	1·4	280	1·6	280	2·9	280	2·0	---	0·3	---	0·0	---	0·8	---	1·4	---	1·1
8	---	1·3	---	1·1	---	0·9	---	1·4	---	0·8	---	0·8	---	0·4	---	1·0	---	0·7	---	1·3	---	0·3	---	0·7
9	300	2·3	310	2·3	310	2·3	300	3·6	300	3·6	300	3·6	300	3·6	310	3·9	300	3·6	300	3·9	300	3·9	300	3·0
10	---	1·1	---	1·1	270	2·1	270	1·7	---	1·4	---	1·4	---	0·8	---	1·1	---	0·9	---	1·1	---	0·8	---	1·3
11	230	2·2	---	1·1	200	2·1	210	2·5	200	2·6	210	2·0	210	2·5	210	2·0	160	6·4	160	6·4	160	7·8	160	9·2
12	140	7·0	140	7·0	130	6·7	140	5·4	130	6·2	130	4·7	140	5·7	140	6·5	130	6·2	130	7·4	130	8·3	130	9·5
13	130	7·1	140	7·7	140	8·3	140	7·4	150	8·6	150	9·4	150	10·3	150	8·6	150	6·8	150	7·7	150	7·7	150	8·6
14	190	3·6	190	3·6	200	3·0	---	1·3	180	2·1	200	2·1	---	1·4	---	0·8	---	1·1	---	1·3	300	1·6	290	1·8
15	300	3·9	290	3·3	300	3·9	300	3·3	300.	3·3	310	3·3	300	4·3	310	3·3	330	3·3	10	4·3	30	6·8	20	4·3
16	330	2·5	310	3·0	340	2·4	340	1·9	350	4·2	350	5·0	350	2·2	360	2·7	350	2·8	340	1·9	340	1·9	330	2·2
17	310	2·6	300	2·3	310	2·0	310	2·0	310	2·6	300	2·3	---	1·4	10	1·7	---	1·1	90	4·0	100	3·7	100	2·9
18	---	0·9	---	0·8	---	0·9	---	0·0	---	1·4	250	1·8	---	1·4	---	1·1	---	1·3	230	1·8	210	2·0	240	2·2
19	230	2·9	240	2·5	260	2·2	---	1·3	---	1·1	280	2·0	---	1·1	280	2·5	250	1·8	290	2·2	---	1·3	260	1·8
20	250	1·8	---	0·8	190	5·0	180	3·1	190	4·6	190	3·6	210	5·4	220	6·8	190	5·5	220	2·2	210	4·9	200	3·4
21	220	3·3	210	2·9	200	2·6	200	2·1	220	2·9	---	0·3	230	2·9	---	1·4	260	2·2	270	3·9	270	4·3	280	5·4
22	180	1·7	210	2·0	220	2·9	220	5·1	200	5·1	210	6·5	210	8·3	210	7·4	210	8·8	200	7·3	200	6·4	210	3·7
23	250	4·3	250	6·2	260	6·8	250	7·3	260	5·7	260	5·7	250	4·7	250	5·1	250	5·1	250	7·3	250	6·8	260	7·3
24	270	8·6	270	7·7	280	7·7	280	8·3	270	8·1	270	6·4	270	7·3	270	7·7	270	9·0	270	7·3	280	8·6	280	9·9
25	250	4·0	270	5·1	270	6·0	270	3·9	240	2·2	220	2·2	250	1·8	250	2·9	260	3·6	250	3·6	240	3·3	240	3·6
26	200	5·1	200	4·7	200	5·6	200	7·3	200	5·6	190	4·2	200	5·1	220	5·1	220	7·3	220	7·9	220	7·6	230	10·1
27	250	5·1	220	3·6	250	4·3	270	6·4	290	8·3	290	9·8	290	9·0	300	9·2	300	6·6	320	11·0	320	16·1	330	17·8
28	310	5·9	300	6·2	310	3·9	280	3·3	290	3·6	280	3·3	---	1·1	---	0·9	230	1·8	220	4·0	210	2·5	210	4·5
29	220	1·8	190	2·2	230	5·7	240	7·3	220	5·4	220	5·7	220	9·0	210	8·6	200	6·8	210	10·6	220	10·5	220	11·3
30	260	2·2	260	3·3	270	4·3	260	2·5	---	0·9	---	1·4	---	1·4	---	1·1	230	3·3	250	2·9	---	1·4	230	1·8
Mean	---	3·5	---	3·4	---	3·8	---	3·5	---	3·6	---	3·5	---	3·6	---	3·7	---	3·8	---	4·5	---	4·7	---	5·2

150. Aberdeen: H_a = 13 metres + 23 metres.

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

170 10·5 at 0-1 h. 1st Jan. 1933.

*Values of wind speed adjusted as explained in Introduction, P.90.

Averages for periods of sixty minutes centred at the Half hours. Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) = 13 metres + 23 metres.

November, 1932.

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

December and Year 1932.

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

170 10·5 at 0-1 h. 1st Jan.1933.

151. Aberdeen: Ha = 8 metres + 13 metres **1932.**

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	6 15	14	12 35	8	23 10	9	14 10	6	10 5	9	6 5	17	5 15	14	8 10	13	6 45	15	12 50	9	10 50	11	11 35
2	5	1 20	14	11 10	10	0 40	15	23 30	12	8 10	7	12 35	11	13 55	11	16 30	8	15 20	27	10 10	11	14 40	17	21 25
3	9	17 20	11	1 55	8	13 10	18	3 45	13	11 40	9	16 10	13	22 45	7	9 0	16	16 20	11	11 30	15	12 40	15	23 10
4	15	19 40	6	9 10	10	13 50	8	15 50	16	12 40	12	12 10	16	17 10	12	12 55	16	0 15	8	11 50	14	0 45	16	1 35
5	18	17 5	5	11 5	14	13 55	13	13 25	21	12 0	13	9 0	9	11 35	8	3 5	10	11 10	6	9 0	11	1 0	11	4 50
6	13	23 15	5	14 15	15	22 20	19	14 58	18	11 40	9	6 40	10	18 15	18	21 10	8	16 15	15	23 50	8	21 5	8	3 10
7	15	2 20	6	23 30	13	0 15	19	10 10	13	11 40	12	14 20	7	20 0	12	0 10	8	12 25	22	22 10	5	12 35	7	8 0
8	12	2 5	14	12 45	11	10 5	19	0 20	10	6 55	7	17 40	12	14 20	9	19 40	14	14 5	24	22 35	4	22 55	7	20 50
9	23	17 25	17	23 30	13	16 5	16	7 20	8	12 35	9	19 0	13	12 50	11	11 55	6	20 40	19	0 30	7	7 55	7	4 40
10	14	15 10	18	1 20	15	22 10	21	17 15	11	13 45	11	13 15	13	14 0	10	15 15	12	15 45	11	11 15	4	3 15	6	20 45
11	12	5 25	13	11 10	16	2 10	19	5 50	7	23 55	9	12 15	8	12 20	11	10 35	19	13 30	11	0 25	13	13 25	14	18 10
12	19	20 40	12	1 35	19	11 10	21	11 30	15	8 10	8	5 35	7	11 45	8	4 35	18	14 40	10	15 15	14	11 40	13	15 15
13	30	14 10	14	11 20	15	10 20	13	22 10	12	13 25	9	15 15	9	13 40	5	10 25	10	14 20	13	16 5	15	5 55	9	22 10
14	22	20 50	13	13 0	14	9 25	17	6 5	12	12 50	9	11 40	9	7 35	7	14 10	7	12 15	19	23 15	7	22 30	9	1 45
15	23	0 30	14	15 45	5	13 20	11	6 20	7	8 15	6	11 45	8	13 45	9	22 20	13	10 45	19	6 35	9	10 25	15	8 25
16	22	15 15	7	3 50	4	14 25	9	12 50	5	11 35	9	11 15	10	17 20	5	14 35	7	10 25	13	10 15	6	5 25	19	11 25
17	24	20 30	7	12 5	9	16 10	9	15 10	6	3 45	10	12 50	17	11 10	11	9 20	5	16 55	11	23 50	7	9 50	23	19 45
18	20	2 25	5	15 55	13	11 20	7	15 0	7	13 40	13	15 25	15	4 35	11	8 50	19	14 5	20	12 25	7	15 5	16	21 5
19	19	11 40	11	13 10	8	15 55	10	18 20	11	10 10	12	11 45	13	7 55	6	14 55	15	12 35	11	23 55	7	23 55	12	2 50
20	5	20 10	7	14 30	9	14 10	11	14 25	11	3 30	9	8 15	11	14 5	7	16 20	13	12 30	11	14 25	13	7 20	8	8 25
21	15	14 15	15	17 15	13	21 40	12	12 30	11	17 50	6	14 40	8	8 45	8	14 45	9	10 45	5	12 15	9	12 0	12	17 50
22	4	8 10	15	1 0	15	6 25	11	23 15	13	13 35	5	5 25	8	14 20	10	9 45	8	13 5	13	17 35	15	8 15	14	7 0
23	13	8 35	18	17 10	11	13 50	14	13 20	12	6 40	8	11 25	9	16 15	6	13 30	11	11 55	7	11 55	18	13 30	18	13 5
24	13	13 45	12	1 10	12	16 55	13	7 45	16	15 50	11	22 20	10	8 5	7	15 30	13	16 55	7	17 5	25	14 55	13	2 0
25	9	7 30	9	23 20	13	23 40	16	11 55	15	9 5	13	8 30	9	16 35	9	13 25	13	23 40	8	13 0	11	3 5	8	19 10
26	10	11 20	10	0 15	16	12 30	17	12 55	9	19 35	13	13 30	4	8 10	9	14 10	16	14 45	14	9 20	18	11 55	9	18 40
27	8	9 15	6	0 50	15	9 20	11	22 5	14	9 55	13	4 10	9	14 5	13	15 50	13	12 45	9	13 0	25	13 30	10	3 0
28	10	17 55	12	20 35	16	1 30	16	14 20	10	14 0	7	7 15	10	16 45	7	15 20	7	13 25	14	12 15	10	0 10	15	20 25
29	11	12 55	11	0 45	10	14 40	15	0 15	15	12 25	14	14 0	8	1 10	7	14 55	7	12 20	17	17 20	18	11 15	16	20 20
30	11	1 55	--	-- --	13	12 40	6	20 5	7	19 30	13	9 10	8	15 45	12	9 10	10	17 0	14	22 10	6	1 45	9	0 10
31	11	14 20	--	-- --	21	14 15	--	-- --	7	13 40	--	-- --	11	23 40	10	1 15	--	-- --	9	0 10	--	-- --	19	17 45

*See note in introduction p.90.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE AND ROBINSON CUP ANEMOGRAPHS.*

152. Aberdeen: Ha = {8 metres + 13 metres. Tube Anemograph; 13 metres + 23 metres. Cup Anemograph} **1932.**

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. hour.	Highest Gust. Speed.	Highest Gust. Date. day.	Date. h. m.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day.	h. m.
Jan.	--	0	9	41	231	351	121	0	170	15	14	23·30	30	13	14 10
Feb.	--	0	2	2	181	443	70	0	110	11	10	0·30	18	23	17 10
Mar.	--	0	3	13	254	386	91	0	320	13	31	8·30	21	31	14 15
Apr.	--	0	9	34	296	348	42	0	20	14	2	23·30	21	10	17 15
May.	--	0	2	5	302	373	64	0	100	12	29	10·30	21	5	12 0
June	--	0	0	0	154	478	88	0	(340 (160	8	(19 (29	9·30 13·30	14	29	14 0
July	--	0	1	4	150	490	100	0	140	12	1	4·30	17	17	11 10
Aug.	--	0	0	0	76	542	126	0	120	8	30	9·30	18	6	21 10
Sept.	--	0	3	5	139	456	120	0	350	13	26	13·30	19	11	13 30
Oct.	--	0	7	49	185	424	86	0	140	16	8	3·30	27	2	10 10
Nov.	27th.	2	4	20	186	383	129	0	330	18	27	11·30	25	24	14 55
Dec.	--	0	3	26	220	458	40	0	220	15	17	18·30	23	17	19 45
Year.	1 day.	2	43	199	2374	5132	1077	0	330	18	Nov.27	11·30	30	Jan.13	14 10

Readings, in degrees absolute, at 9h Greenwich Mean Time.

153. Aberdeen: 1932.

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

The initial 2 or 3 of the readings is omitted: i.e., 275·0 degrees absolute is written 75·0.
* Thermometers removed from Ladymill Site to Athletic Ground Site as from 9th June. See note in Sectional Introduction.

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h. TO 7h. G.M.T.

154. Aberdeen: 1932.

Readings, in degrees absolute.

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	66·2	74·6	70·6	68·9	78·3	79·9	85·5	84·5	83·9	76·8	73·3	70·8
2	73·6	77·4	71·7	73·1	77·4	79·7	83·4	75·9	83·9	73·9	72·9	72·9
3	75·8	79·5	74·3	73·0	78·1	80·8	79·1	80·3	79·3	72·9	73·6	71·9
4	75·0	73·0	69·7	71·0	77·5	75·2	85·4	78·1	79·0	73·2	81·4	74·0
5	75·3	72·4	74·8	67·1	74·6	76·0	84·0	81·2	79·1	71·4	73·7	71·2
6	71·3	75·9	69·1	75·7	75·1	75·6	81·4	85·7	79·0	81·2	68·7	70·7
7	71·9	75·8	69·2	73·2	73·1	78·6	83·4	80·0	76·2	81·1	69·2	71·4
8	66·2	74·6	64·3	72·9	71·3	81·0	85·3	83·2	77·5	83·2	73·8	72·6
9	67·7	74·4	66·5	69·2	66·8	75·1	86·4	84·5	84·9	79·0	75·1	72·5
10	77·7	72·3	69·3	74·0	71·9	82·0	81·2	82·4	83·1	82·1	72·8	74·5
11	74·6	70·7	70·8	74·6	75·1	80·8	86·2	85·0	78·5	79·9	68·4	75·1
12	67·0	73·8	69·7	70·8	78·0	79·2	84·6	83·7	78·6	74·2	80·3	77·4
13	77·7	73·3	72·3	68·4	75·3	77·0	83·9	83·6	72·6	72·0	80·1	78·1
14	72·5	73·7	73·2	77·6	78·7	79·1	83·6	85·3	78·3	74·6	77·3	76·9
15	74·9	72·3	68·3	76·6	74·7	74·4	81·3	84·8	83·8	79·1	73·1	75·9
16	75·8	71·9	76·5	73·4	81·9	73·6	83·2	82·2	80·3	76·8	78·2	76·1
17	72·3	66·9	74·2	69·6	82·8	77·2	80·8	86·7	84·7	77·0	75·1	73·7
18	79·4	63·2	72·4	75·3	74·0	80·0	81·9	80·4	77·9	79·0	72·9	79·2
19	82·0	67·4	74·3	74·6	80·0	81·3	84·1	79·9	79·3	72·3	70·2	81·4
20	77·9	69·8	74·9	70·3	79·8	79·0	83·6	82·4	73·5	77·9	69·3	78·6
21	78·3	68·7	77·3	70·2	78·9	81·3	81·1	79·5	73·4	70·9	66·4	78·1
22	71·2	77·9	77·9	72·9	79·7	72·6*	82·4	82·7	73·0	71·9	70·1	77·9
23	68·9	75·7	77·2	71·8	78·0	80·9	80·5	74·2	79·3	69·9	70·7	73·1
24	76·3	76·4	77·8	72·3	75·1	82·9	84·1	75·6	71·3	71·4	73·2	76·7
25	72·2	75·8	77·8	70·9	76·2	78·7	83·6	73·8	76·5	72·8	68·0	73·4
26	64·7	73·9	75·9	70·9	80·6	81·0	76·2	82·8	77·8	72·9	75·7	70·3
27	67·0	77·1	76·8	70·6	79·7	85·3	83·5	84·6	75·3	75·3	77·3	72·9
28	63·1	67·1	78·7	76·8	81·3	82·1	83·1	77·9	70·9	71·8	69·0	72·3
29	69·7	72·6	68·3	79·7	80·8	73·3	77·0	82·5	74·1	69·0	74·4	76·1
30	71·3	----	78·1	78·8	77·3	84·8	82·7	84·6	71·9	77·2	69·3	76·4
31	66·5	----	76·7	----	80·7	----	84·3	78·7	----	74·5	----	66·9
	72·4	73·0	73·2	72·8	77·2	78·9	82·8	81·5	77·9	75·3	73·1	74·5
										Annual Mean.		276·1

Notes.- (1) The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0.
(2) The minimum "on the grass" refers to the interval from 18h on the previous day to 7h on the day to which it is entered.

155. Aberdeen. January, 1932.

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	Nb.	Cu:St-Cu:A-Cu.	St-Cu.	10	10	6	8	2	0	j	j	j	j	i	i	●	...	...	...	...	...	bc, o ● *a* : c, bc *p* : b *n* : ⊠ 1 cm.
2	Nb.	Nb.	St.	10	10	10	10	6	9	H	D	E	D	F	F	●	●^{0}	●	...	...	...	bc, of ● *a* : of ●^{0}, c *p* : bc, c *n*.
3	Nb.	St-Cu:A-St.	St-Cu:A-St.	10	10	10	10	10	2	F	B	F	j	j	j	●^{0}	...	...	...	...	...	o ● f_2 *a* : cm, c *p* : bc, b *n*.
4	St:A-St.	Cu:St-Cu.	St-Cu.	10	9	8	9	2	4	i	H	j	j	k	j	...	●^{0}	...	...	...	...	bc, c ●^{0} *a* : c, bc *p* : bc ●^{0} *n*.
5	A-Cu:A-St.	Nb:A-St.	---	1	2	10	9	0	0	j	j	H	k	k	j	...	...	●^{0}	...	...	...	bc, c ●^{0} *a* : c ●^{0}, b *p* : b *n*.
6	A-Cu:A-St.	Fr-Cu:A-Cu.	---	2	8	3	2	0	6	i	j	k	j	j	i	...	...	...	...	...	...	b, bc *a* : bc, b *p* : b, bc *n*.
7	A-Cu:A-St.	Cu-Nb:St-Cu:A-Cu.	---	2	9	2	0	0	0	j	j	k	k	k	j	...	...	...	...	...	...	bc *^{0}, b *a* : b *p* : b ⊔ *n*.
8	St-Cu.	Cu-Nb:St-Cu.	A-Cu.	1	0	1	0	0	9	j	j	j	j	j	j	...	...	...	...	...	...	bc p *^{0} *a* : b *p* : b, bc, c *p* *^{0} *n* : ⊠ 1 cm.
9	Cu:St-Cu.	Fr-Nb:A-St.	Nb.	1	8	10	10	10	9	i	H	j	i	i	j	...	...	...	●	●	...	b, bc, c *a* : c, o ● *p* : o ● c *n* : ⊠ < 1 cm.
10	Fr-Nb:A-St.	Nb:Cu-Nb:A-Cu:A-St.	St:St-Cu:A-Cu:A-St.	8	8	9	6	7	4	k	k	k	k	k	k	...	...	...	...	...	...	c, bc, c *a* : c, p ●^{0}, bc *p* : bc p ●^{0} *n*.
11	---	Cu:St-Cu:A-Cu(lent).	A-Cu.	0	5	2	3	1	0	k	j	i	i	i	j	...	...	...	...	...	...	b, bc *a* : bc, b *p* : b ⊔ *n*.
12	---	A-Cu.	St-Cu.	0	0	0	4	6	10	k	E	G	i	j	j	...	...	...	...	...	...	b ⊔ f *a* : b, bc *p* : bc, c *n*.
13	Nb.	Cu:St-Cu.	A-Cu.	10	9	7	5	1	7	i	j	j	k	k	k	●^{0}	...	...	...	...	...	o ●, bc q *a* : bc p ●, b *p* : b, bc p ● *n*.
14	---	Cu:St-Cu:A-Cu.	St-Cu.	0	5	5	8	9	9	k	k	k	j	j	j	...	...	...	...	...	●^{0}	b, bc *a* : bc, cq *p* : cq ●^{0} *n*.
15	St-Cu.	Fr-Cu:A-Cu.	A-Cu:A-St.	3	4	2	2	6	10	k	k	k	k	j	k	...	...	...	...	...	...	o ●, bc *a* : b, bc *p* : bc, c ⩀, o ● *n*.
16	Fr-Nb:St-Cu.	St-Cu.	Fr-Nb:St-Cu.	10	9	10	8	7	8	k	k	j	k	k	k	...	...	...	...	...	...	o ●^{0}, cq *a* : cq ●^{0} *p* : cp ●^{0} *n*.
17	Cu-Nb:St-Cu.	A-Cu:Ci-St.	Fr-Cu:A-Cu:A-St:Ci-St.	2	2	2	9	9	8	k	k	k	j	k	k	...	...	...	...	...	...	bc, b *a* : b, bc, c *p* : cq, ⩀ *n*.
18	St-Cu.	St-Cu.	Cu:St-Cu.	6	8	9	8	8	7	k	k	k	k	k	k	...	...	...	...	...	...	bc, c *a* : c *p* : c, bc *n*.
19	Cu:St-Cu.	Cu-Nb:St-Cu:Ci-St.	St:St-Cu:A-St.	8	9	9	9	10	10	k	k	k	k	k	j	...	...	...	...	...	...	c, cq *a* : cq, c *p* : c, o ●^{0}, c *n*.
20	Nb.	Cu-Nb:St-Cu.	St.	10	10	10	10	10	10	H	j	j	j	i	H	●	●^{0}	...	...	...	...	o ●, c *a* : cug, o *p* : o, c *n*.
21	St-Cu:A-St.	St:St-Cu.	St:St-Cu.	8	9	10	9	9	8	j	H	j	j	k	j	...	●^{0}	...	●^{0}	...	...	cd_0 ●^{0} *a* : c d_0 ●^{0} *p* : bc, c ● *n*.
22	St-Cu:A-Cu:Ci:Ci-Cu.	Cu:Ci.	Ci-St.	6	7	2	5	7	2	k	H	j	j	H	F	...	...	...	...	...	...	bc, by *a* : by, bc *p* : bc ⩀ *n*.
23	St-Cu:A-Cu:A-St.	St-Cu:A-Cu:A-St:Ci.	St-Cu:Ci-St.	6	9	9	9	9	9	i	i	j	j	i	j	...	●	...	...	...	...	bc, c ● *a* : c *p* : c ⩀ bc *n*.
24	Fr-St:Ci-St.	Cu:St-Cu.	---	6	9	2	0	0	5	j	j	k	k	k	k	...	...	...	...	...	...	bc, b *a* : b *p* : b, bc *n*.
25	---	---	---	0	0	0	0	0	0	m	m	m	k	k	j	...	...	...	...	...	...	b, by v *a* : bv y *p* : b ⊔ *n*.
26	---	A-Cu:Ci.	A-Cu:Ci.	0	4	6	7	2	1	k	k	i	i	i	i	...	...	...	...	...	...	b ⊔, bc *a* : bc, b *p* : b ⊔ *n*.
27	---	A-Cu:Ci.	---	0	8	5	1	0	0	k	j	j	i	i	i	...	...	...	...	...	...	b ⊔ bc *a* : bc, b *p* : b ⊔ *n*.
28	---	---	---	0	0	0	0	0	0	j	E	j	j	j	k	...	...	...	...	...	...	b ⊔ f, b *a* : b *p* : b ⊔ *n*.
29	St-Cu.	Cu:St-Cu:A-Cu:Ci.	A-Cu:Ci.	9	9	7	3	1	0	j	k	m	l	k	k	...	●^{0}	...	...	...	...	bc, c ●, bc *a* : bc v, b *p* : b ⊔ *n*.
30	---	Cu:St-Cu:A-Cu.	St-Cu.	0	7	8	4	8	0	k	k	k	m	k	j	...	...	...	...	...	...	b ⊔, bc, c *a* : c, bc *p* : c, bc, b ⊔ *n*.
31	Cu:St-Cu.	Cu:St-Cu.	St-Cu.	4	8	8	5	7	5	k	H	G	j	k	j	...	...	...	...	...	...	bc ⊔, c *a* : c, bc *p* : bc *n*.
Mean Cloud Am'nt.				4·6	6·6	5·9	5·6	4·7	4·9													

156. Aberdeen. February, 1932.

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-Cu.	St-Cu:A-Cu:Ci.	St-Cu.	4	8	7	8	8	8	k	j	k	k	k	j	...	...	...	...	...	...	bc, c *a* : c, bc *p* : c *n*.
2	St-Cu.	Cu:St-Cu.	St-Cu.	9	5	7	4	8	8	j	j	k	k	k	k	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c *n*.
3	St-Cu:A-Cu:A-St.	St-Cu.	St-Cu.	4	9	9	8	2	9	k	k	k	k	k	j	...	...	...	...	...	...	bc, c *a* : c, bc, b *p* : b, bc, cd_0 ●^{0} *n*.
4	St:A-Cu:A-St.	St:St-Cu.	St.	2	9	9	9	10	8	j	i	k	k	j	j	...	●^{0}	...	...	...	...	cd_0 ●^{0}, b, c ●^{0} *a* : c, o *p* : o, c, bc *n*.
5	St.	St-Cu.	A-Cu.	9	10	9	9	8	9	i	G	k	i	i	H	...	...	...	...	...	...	bc, c, o *a* : c *p* : c, o *n*.
6	St-Cu.	St-Cu.	St-Cu:Ci.	10	9	9	6	4	9	i	F	F	H	H	H	...	...	...	...	...	...	o, cz *a* : c, bc *p* : bc, c *n*.
7	St-Cu.	Ci.	St-Cu.	9	4	2	8	9	10	j	i	j	j	j	j	...	...	...	...	...	...	c, bc, b *a* : b, bc, c *p* : c *n*.
8	Cu:St-Cu.	St-Cu.	Cu:Nb:St-Cu.	8	8	9	4	5	4	k	j	k	k	k	k	...	...	...	...	●^{0}	...	c ●^{0}, c *a* : c, bc, p ●^{0} *p* : bc p ● *n*.
9	St-Cu.	Cu:St-Cu.	Nb:St-Cu.	8	9	9	8	9	7	k	k	k	k	j	j	...	...	...	...	●^{0}	...	c *a* : c p ●^{0} *p* : c ●^{0} bc *n*.
10	Cu-Nb:St-Cu.	Cu:St-Cu.	Cu-Nb.	7	6	8	9	8	8	k	k	k	k	k	j	...	...	...	...	*^{0}	...	p ● p ✶^{0} bc *a* : cp *^{0} *p and n*.
11	St-Cu.	Cu:St-Cu.	Cu-Nb:St-Cu.	8	8	9	9	9	10	j	k	k	k	j	j	...	...	...	...	...	...	c p *^{0} p ● *a* : c ●^{0} *p* : c *n*.
12	Cu-Nb:St-Cu.	Cu:St-Cu.	St-Cu.	9	8	3	4	5	6	k	k	l	l	k	k	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bc, c *n*.
13	Nb:St-Cu:A-St.	Cu-Nb:St-Cu.	Nb:Cu-Nb.	9	8	8	7	9	9	j	k	k	k	j	j	●^{0}	●^{0}	●^{0}	...	...	...	c ●^{0} *a* : cp ● *p* : c p ●^{0}, c *n*.
14	Cu-Nb:St-Cu.	Cu:St-Cu:A-Cu(lent).	St-Cu:A-Cu:Ci.	8	8	2	4	2	0	k	l	m	m	l	k	...	...	...	...	...	...	c, bc, bv *a* : bc bv *p* : b *n*.
15	Cu-Nb.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	1	2	3	2	8	6	k	k	k	k	j	k	...	...	...	...	...	...	bc p ●^{0} *a* : bc p ●^{0} *p* : bc p ● *n*.
16	A-Cu:Ci:Ci-St.	A-Cu.	St-Cu:A-Cu.	6	2	7	7	1	0	k	j	j	k	i	j	...	...	...	...	...	...	bc, b, *a and p* : b ⊔ *n*.
17	St-Cu.	St-Cu.	St-Cu:Ci.	9	9	0	0	1	0	j	H	k	k	H	i	...	...	...	...	...	...	b ⊔, c, b *a* : by, bc *p* : b ⊔ *n*.
18	---	---	A-Cu.	0	0	0	0	1	0	H	G	j	j	H	j	...	...	...	...	...	...	b ⊔, by *a* : by, b *p* : b, b ⊔ *n*.
19	A-Cu.	Cu:St-Cu.	St-Cu:A-Cu.	1	6	6	6	5	5	k	k	k	l	k	k	...	...	...	...	...	...	b, bc *a* : bc *p* : bc p ●^{0} *n*.
20	St-Cu.	Cu:St-Cu:A-Cu.	A-Cu:Ci.	9	7	2	6	2	7	k	l	l	k	j	i	...	...	...	...	...	...	bc, p ●^{0}, by *a* : bc y, b *p* : b, bc *n*.
21	St-Cu.	Nb:Cu-Nb.	St-Cu.	6	9	9	9	8	5	k	k	j	k	k	k	...	...	●^{0}	...	...	...	bc, c p ● *a* : c p ●^{0} *p* : c, bc *n*.
22	Cu:St-Cu.	St-Cu.	Nb:Cu-Nb.	6	5	9	9	9	9	k	j	k	k	j	j	...	...	...	●^{0}	●^{0}	...	bc, c *a* : c p ●^{0} *p* : c p ●^{0} c *n*.
23	St-Cu.	Cu-Nb:St-Cu.	Fr-Nb:Cu-Nb.	9	8	9	9	8	8	j	j	k	k	k	k	...	...	...	...	...	...	c p ✶^{0}, c *a* : c p ●^{0} c *p* : c *n*.
24	Nb.	Cu-Nb.	Cu-Nb.	9	9	9	9	7	8	j	j	k	k	k	k	●	●	...	●^{0}	...	...	cd, p ●^{0} *a* : c p ●^{0}, bc *p* : bc, c p ●^{0} *n*.
25	Nb:Cu-Nb.	Nb.	Nb.	9	8	10	10	10	10	j	H	i	i	i	j	●^{0}	●^{0}	●^{0}	●^{0}	...	...	cd, p ●^{0} *a* : o d ●^{0} *p* : od_0 ●^{0} c *n*.
26	St	St-Cu.	Cu:St-Cu.	9	10	9	9	9	9	i	j	k	j	k	k	...	...	...	...	...	...	c *a and p* : c, c ●^{0} *n*.
27	St:St-Cu.	St-Cu.	St-Cu.	10	9	1	3	8	0	k	k	j	j	H	j	...	...	...	...	...	...	c ●^{0}, bc, b *a* : b, bc *p* : c, bc, b *n*.
28	Cu:St-Cu.	Cu:St-Cu.	St-Cu.	7	8	9	9	9	9	j	k	j	j	j	k	...	...	...	...	...	...	bc, cp ●^{0} ✶^{0} *a* : c *p and n*.
29	St-Cu.	St-Cu.	St-Cu.	9	9	8	8	9	7	k	j	k	k	j	j	...	...	...	...	...	...	c *a and p* c, bc *n*.
Mean Cloud Am'nt.				7·0	7·2	6·6	6·7	6·6	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.						

157. Aberdeen. **March, 1932.**

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:St-Cu.	Cu.	St-Cu.	7	6	6	8	8	7	j	G	j	k	i	j	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c, bc *n*.
2	St-Cu.	St-Cu.	St-Cu.	9	9	9	9	10	9	i	j	j	j	j	k	...	...	...	...	...	...	c p ●^{0}, c *a* : c *p and n*.
3	St-Cu.	St-Cu.	St-Cu.	10	10	9	7	9	3	k	j	j	k	j	j	...	...	...	...	...	...	c *a* : c, bc *p* : bc, b *n*.
4	St-Cu.	CuSt-Cu:A-Cu:A-St.	A-St.	9	7	9	9	10	6	k	j	j	j	H	H	...	...	...	...	...	...	bc, cy *a* : cy ⊕ *p* : c, bc *n*.
5	St:Cu:A-Cu:Ci:Ci-St.	Cu:Cu-Nb:A-Cu.	Cu-Nb:A-Cu.	5	8	8	9	4	0	j	j	k	k	k	k	...	...	...	...	...	...	bc, cjpy *a* : c, bcy *p* : bc, b *n*.
6	Cu-Nb:St-Cu.	Cu:A-Cu.	Cu-Nb:St-Cu.	4	2	4	4	4	10	k	m	m	l	k	H	...	...	...	...	...	✱	bc p ✱^{0} *a* : bcy *p* : bc, c, o ✱ *n*.
7	Cu-Nb:St-Cu.	St-Cu:A-St.	Nb:A-St.	1	8	9	10	10	9	k	i	j	j	H	i	...	...	...	...	✸^{0}	...	c ✱, bc *a* : c, c ✸^{0} *p* : o ✸, bc ♛ *n*.
8	St-Cu.	Cu:St-Cu:Ci.	Cu-Nb:St-Cu:A-Cu:Ci.	1	1	2	6	8	8	k	k	l	l	k	j	...	...	...	...	...	...	b ⌴, bc *a* : bc, c *p* : c, bc *n*.
9	St-Cu:A-St.	Cu-Nb:Ci.	Nb:Cu-Nb.	8	3	2	8	9	8	j	j	k	j	j	H	...	...	...	...	●	✸^{0}	c, bc, p ✱ *a* : bc cp ● *p* : c ✸ *n* : ⊠ 1 cm.
10	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	7	8	7	8	5	2	k	k	l	i	k	k	...	...	...	...	...	...	bc, p ✱ △ *a* : c p ✱ ▲ *p* : c p ✱ b *n*.
11	Cu-Nb:St-Cu.	Cu:St-Cu:Ci-St.	St-Cu.	9	8	8	8	8	8	j	j	k	k	i	j	✱	...	...	...	...	...	c p ✸ ✱ ▲ *a* : c p ✱^{0} *p* : c, bc *n* : ⊠ 4 cm.
12	St.	Nb:A-St.	St-Cu.	10	9	10	9	8	6	j	k	H	j	j	j	...	...	●^{0}	...	...	...	o, c ●^{0} *a* : c ●^{0}, c *p* : c, bc *n* : ⊠ < 1 cm.
13	St-Cu.	Cu:St-Cu.	Cu:St-Cu:A-Cu:Ci.	9	8	9	9	6	5	j	j	k	k	l	k	...	...	...	...	...	...	c *a* : c, bc *p* : bc *n*.
14	Cu:St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu.	6	7	7	9	8	5	k	k	k	k	j	j	...	...	...	...	...	...	bc *a* : bc, c p ●^{0} *p* : c ●^{0}, bc *n*.
15	Ci.	Cu.	Cu:St-Cu.	1	8	4	7	9	9	C	F	k	j	G	H	...	...	...	...	...	...	b f$_2$, c, bc *a* : bc, c *p* : c *n*.
16	St-Cu.	Cu:St-Cu.	Cu Nb:St-Cu.	9	9	9	9	9	9	j	j	k	k	k	k	...	...	...	●^{0}	●^{0}	...	c *a* : c p ●^{0}, bc *p* : c p ●^{0} *n*.
17	St-Cu:Cu-Nb.	Cu-Nb:St-Cu.	Fr-Nb:Cu-Nb:A-Cu.	7	8	9	9	4	5	k	k	k	k	k	k	...	...	...	...	...	...	bc, c p ●^{0} *a* : c p ●^{0} *p* : bc, b *n*.
18	St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:Ci.	9	9	9	9	5	9	j	j	l	k	k	k	...	...	...	●^{0}	...	...	c, bc, c *a* : c p ●^{0}, bc *p* : bc, c *n*.
19	Cu:St-Cu.	Cu:St-Cu.	Cu-Nb:St-Cu.	9	9	9	9	9	10	k	j	k	k	k	k	...	...	...	...	...	...	♛, c, bcy *a* : cy *p* : c ●^{0}, c *n*.
20	St-Cu.	Cu:St-Cu.	Nb.	9	9	9	10	10	10	k	i	j	j	i	i	...	...	...	...	●^{0}	...	c p ●^{0}, c *a* : c o ●^{0} *p* : o ●^{0} *n*.
21	Nb.	Nb.	Nb.	10	10	10	10	10	10	G	G	F	G	G	G	●^{0}	●^{0}	●	●^{0}	●	●^{0}	o ● d *a* : o d ●^{0} *p* : od ●^{0} *n*.
22	Nb.	Nb.	Nb.	10	10	10	10	10	10	G	G	H	H	H	H	●	●	●	●	●	●^{0}	o ● throughout.
23	Nb.	Cu:St-Cu.	St-Cu.	10	10	6	6	10	10	G	G	H	i	i	i	●^{0}	●^{0}	...	...	...	...	o d ●^{0}, bc *a* : bc, c *p* : c, o *n*.
24	St.	St.	Nb.	10	10	10	10	10	10	H	i	G	G	G	G	...	...	...	●^{0}	●^{0}	●^{0}	o *a* : o ●^{0} *p and n*.
25	Nb:A-St.	A-Cu.	A-Cu:A-St:Ci:Ci-St.	10	10	6	4	6	2	G	G	G	G	H	i	...	...	...	...	...	...	c ●^{0}, bc ⊕ *a* : bc ⊕ *p* : bc, b *n*.
26	St-Cu:A-Cu:Ci:Ci-St	Ci:Ci-St.	Cu-Nb:St-Cu:Ci-St.	7	5	7	7	8	9	j	j	j	j	j	j	...	...	...	...	...	...	bcq *a* : bc, c *p* : c *n*.
27	Nb.	St.	Nb.	10	10	10	10	10	10	i	i	H	H	H	G	●^{0}	●	...	●^{0}	●	●^{0}	o ●^{0} q *a* : o ● *p and n*.
28	Nb.	Nb.	Cu-Nb:St-Cu:A-Cu.	10	10	9	9	7	3	E	D	i	j	j	j	●^{0}	●	...	...	...	...	o ● d f, c *a* : c, bc, *p* : bc, b ♛ *n*.
29	St-Cu.	Cu.	St-Cu:A-Cu:A-St.	7	3	3	4	8	9	H	H	j	j	j	j	...	...	...	...	...	●^{0}	b ⌓, bc, *a* : bc, c *p* : c, o ● *n*.
30	Nb.	Nb:A-St.	Nb:A-St.	10	10	10	10	9	10	G	H	i	i	j	j	●^{0}	●	●	●	●^{0}	●^{0}	o c ● *a* : c ● *p* : c ●^{0} ✸^{0} *n*.
31	Nb.	Cu-Nb:St-Cu:Ci.	Cu-Nb.	10	10	3	4	7	6	H	H	k	k	k	j	●	✸	...	...	✱^{0}	✱^{0}	o ● ✸ q *a* : bcq p ✱ ▲ *p and n*.
Mean Cloud Am'nt.				7·8	7·9	7·5	8·1	8·0	7·3													

158. Aberdeen. **April, 1932.**

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-Nb:A-Cu:A-St.	Nb.	St-Cu:A-St.	8	10	10	9	10	9	j	j	G	H	j	j	...	✱^{0}	✸^{0}	...	...	...	c o ✱ ✸ *a* : o ✸^{0}, c *p* : c ✸^{0} *n* : ⊠ 5 cm.
2	Nb:Cu-Nb:A-St.	Nb:Cu-Nb:A-St.	Nb.	8	9	9	9	10	10	k	k	j	j	H	H	...	...	✱^{0}	...	✱	✸^{0}	c ✸ p ✱^{0} *a* : c *p* ✱^{0} ✱ *p* : o ✱ ✸ *n* : ⊠ 1 cm.
3	Nb.	Cu:St-Cu:A-St.	Cu-Nb:St-Cu.	10	10	10	8	8	3	j	j	j	k	k	k	●^{0}	●^{0}	...	...	...	...	o ✸ ● q *a* : cq, bc *p* : bc p ●^{0} *n*.
4	Cu-Nb:St-Cu.	Cu.	Cu.	6	2	5	6	4	0	k	l	l	l	k	j	...	...	...	...	...	...	bc p ●, b *a* : bc *p* : bc, b *n*.
5	Cu-Nb:St-Cu:A-St.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	8	8	6	8	9	3	j	j	k	k	k	j	...	✸^{0}	...	...	...	...	c p ✸^{0} p ●^{0} *a* : bc, p ●^{0} *p* : c, bc *n*.
6	Nb.	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu:Ci-Cu.	10	2	4	7	6	0	i	k	l	k	k	k	●^{0}	...	...	...	...	...	o ●^{0}, bcq *a* : bcy *p* : bc, b *n*.
7	Cu:St-Cu:A-Cu.	Cu-Nb:A-Cu.	Nb:Cu-Nb:A-Cu:A-St:Ci.	1	2	5	4	9	4	m	m	l	l	k	k	...	...	...	...	●^{0}	...	b, bcy *a* : bc, c p ●^{0} *p* : bc p ● *n*.
8	Cu-Nb:St-Cu:A-Cu.	Cu-Nb.	Cu-Nb:St-Cu.	5	8	5	6	3	0	j	j	k	j	k	k	...	✱	...	✱^{0}	...	...	bcq p ✱ ▲ *a and p* : bc, b *n*.
9	Nb.	Fr-Nb:A-Cu:A-St.	Fr-Cu:Ci-Cu.	10	10	4	7	3	1	H	j	j	j	j	j	●	●^{0}	...	...	...	...	o ● q, bc *a* : bc, *p* : b *n*.
10	Cu-Nb:St-Cu.	Nb:Cu-Nb.	Cu:A-Cu:Ci:Ci-Cu.	5	9	9	7	3	3	k	k	j	k	l	l	...	...	●	...	...	...	bcq, c p ● *a and p* : bcq *n*.
11	Nb:A-St.	Cu-Nb:St-Cu:Ci.	Cu-Nb:Ci.	10	8	2	8	8	4	j	j	l	k	k	k	●^{0}	...	...	...	✱^{0}	...	c ●^{0}, p ✱ ▲, b *a* : bcp ✱, b *p and n*.
12	Nb:Cu-Nb.	Cu-Nb:St-Cu.	Cu-Nb:A-Cu.	8	9	3	5	5	5	H	j	k	k	k	j	✱	✱	...	...	▲	...	bcp ✱ ▲ *a* : bcq p ▲ *p* : b *n*.
13	A-Cu.	Cu:St-Cu:A-Cu:A-St.	St-Cu:A-St.	4	7	9	9	9	9	j	j	i	i	j	j	...	...	...	...	...	...	bc ⊕ ⦶, c *a* : c *p and n*.
14	Nb:A-St.	Cu:St-Cu:A-St.	Cu:St-Cu:A-Cu.	10	10	8	9	6	0	j	j	i	j	j	j	●^{0}	●^{0}	...	...	...	...	c ●^{0} *a and p* : bc, b *n*.
15	St:A-St.	Cu-Nb:St-Cu:A-Cu.	Cu:Ci:Ci-St.	10	10	4	1	4	0	H	j	j	j	j	j	...	●^{0}	...	...	...	...	c ●^{0}, bc *a* : b bc *p and n*.
16	Cu:St-Cu.	Cu.	Cu:Ci.	7	4	1	2	2	1	k	k	k	k	k	k	...	...	...	...	...	...	p ●^{0}, bc, b *a* : bc, b *p* : b ⌴ *n*.
17	Ci.	Cu.	Cu-Nb:St-Cu:A-Cu.	1	4	4	6	6	8	k	k	m	k	k	j	...	...	...	...	...	...	b ⌴, bc *a* : bcy *p*^{0} ● *p* : c p ● *n*.
18	St-Cu.	St-Cu.	St-Cu.	9	9	9	5	8	9	k	k	k	k	j	j	...	...	...	...	...	...	c y *a* : c, bcy *p* : c *n*.
19	St-Cu.	Nb:Cu-Nb.	Cu-Nb:St-Cu:A-Cu.	9	8	9	2	8	10	H	j	i	k	k	H	...	...	●^{0}	...	...	●^{0}	cp ● *a and p* : c ●^{0} *n*.
20	Cu:St-Cu.	Cu:St-Cu.	Cu-Nb:St-Cu.	1	6	5	2	2	4	k	k	i	i	i	j	...	...	...	...	...	...	bc *a* : bc Ꞧ, b *p* : b, bc *n*.
21	Cu-Nb:St-Cu.	Cu:Cu-Nb.	Cu-Nb:St-Cu:A-Cu:Ci.	8	8	7	4	7	6	k	j	k	k	k	k	...	...	...	...	...	...	c p ●^{0}, bc *a* : bc *p and n*.
22	Cu:St-Cu.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu:A-Cu:A-St: Ci-Ci-Cu	7	9	9	10	7	9	k	k	j	i	j	j	...	...	▲	...	...	...	c p ● ▲ *a* : c p ●^{0} *p* : c o ● *n*.
23	A-Cu.	Cu-Nb:A-Cu:Ci-St.	Cu-Nb:St-Cu:A-Cu.	4	2	9	9	8	6	k	l	k	j	j	j	...	...	...	...	●^{0}	...	o ●, bc, cy ⊕ *a* : c p ● *p and n*.
24	Cu:St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:A-Cu.	8	8	8	8	9	4	k	k	k	k	k	j	...	...	...	...	...	...	c p ●, c y *a* : cy *p* : c p ●^{0} b *n*.
25	Nb:Cu-Nb:False Ci.	Cu-Nb:St-Cu.	Cu:St-Cu:A-Cu.	6	7	6	8	3	3	j	j	k	k	k	k	✸^{0}	✱	...	...	...	...	bc p ✸^{0} ✱^{0} *a* : bc p ✱^{0} △^{0} *p* : bc *n*.
26	Cu:St-Cu:A-Cu.	Cu-Nb.	Cu-Nb:St-Cu.	3	6	5	8	7	3	k	l	k	k	k	k	...	...	●^{0}	●^{0}	...	...	bc p ●^{0} *a* : bc c p ●^{0} *p* : bc p ●^{0}, b *n*.
27	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:A-Cu.	1	5	7	4	1	7	j	l	l	k	j	j	...	...	...	...	...	...	b ⌓, bc *a* : bc ⊕, b *p* : bc c *n*.
28	Nb.	Nb.	Nb.	10	10	10	10	10	10	i	i	i	H	G	F	●^{0}	●^{0}	●^{0}	●	●	●^{0}	c o ● *a* : o ● *p and n*.
29	Nb.	St:St-Cu:A-St.	St.	10	10	10	0	10	10	E	G	H	G	C	C	●	●	...	...	...	...	o d ●^{0} f *a* : o b f *p* : o f$_2$ *n*.
30	St.	St-Cu.	St-Cu:A-Cu.	10	10	9	3	4	10	C	H	i	j	i	E	...	●^{0}	...	...	...	...	o f$_2$ ●^{0} *a* : c, bc *p* : bc fe *n*.
Mean Cloud Am'nt.				6·9	7·3	6·7	6·1	6·3	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.

159. Aberdeen. **May, 1932.**

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:A-St.	St:A-St.	10	10	10	10	10	10	G	G	H	H	H	E	●^{0}	●^{0}	...	...	...	●^{0}	fe, o d ●^{0} c *a* : c *p* : c f d ●^{0} *n*.
2	St:A-Cu:A-St.	Cu:St-Cu:A-Cu:Ci.	St:St-Cu:A-Cu.	10	10	7	10	9	10	i	j	j	j	k	j	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c *n*.
3	St-Cu.	St-Cu.	St-Cu.	10	9	9	9	9	8	j	j	k	k	k	j	...	...	...	...	...	...	c throughout.
4	St-Cu.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	9	8	8	6	7	1	k	k	k	j	k	k	...	...	...	...	●^{0}	...	c p ●^{0} *a* : bcp ✱^{0} *p* : bcp ● ▲ ♕ *n*.
5	Cu-Nb:A-Cu.	Cu-Nb.	St-Cu:Cu-Nb:A-Cu.	5	8	7	3	5	5	k	k	k	k	k	k	...	...	▲^{0}	...	...	...	bc p ● ▲ ✱ *a* : bc p ▲^{0} *p* : bc q, c *n*.
6	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	8	9	9	9	8	6	k	k	k	j	k	k	▲^{0}	...	...	●^{0}	...	...	c p ●^{0} ▲^{0} throughout.
7	Cu-Nb:St-Cu.	Cu-Nb	Cu-Nb:A-Cu.	7	9	7	6	5	3	k	k	k	k	l	k	▲	...	...	...	...	...	c p ● ▲ ✱ *a* : bc p ▲ *p* : bc p ●^{0} *n*.
8	---	Cu-Nb	Cu-Nb	0	7	7	7	8	6	m	k	k	k	k	j	...	...	...	...	...	...	b ⌓ bc p ●^{0} *a* : bc, c *p* : c, bc, b *n*.
9	---	Nb:Cu-Nb.	Nb:Cu-Nb:Ci.	0	3	8	7	8	9	j	k	j	j	j	j	...	...	▲	...	●^{0}	●^{0}	K ▲ ●^{2} ✱ *a* : bc K ●^{0} *p* : c ●^{0} *n*.
10	A-Cu.	Cu:A-Cu.	Cu-Nb:St-Cu.	1	6	6	7	8	6	k	l	m	l	k	j	...	...	...	...	...	...	bc p ●^{0} *a* : bc p ● *p* : bc p ●^{0} *n*.
11	Cu:St-Cu.	Cu:St-Cu.	Cu:St-Cu:A-Cu:Ci:Ci-Cu	6	6	7	6	8	9	k	k	k	j	j	k	...	...	...	...	...	...	bc *a* : bc c *p* : c *n*.
12	Nb.	Nb.	Nb.	10	10	10	10	10	10	H	H	G	G	G	G	●	●^{0}	●^{0}	●	●	●^{0}	o ● throughout ●^{2} *n*.
13	Ci-St.	Cu:A-St.	Cu-Nb:St-Cu:A-Cu.	9	7	9	10	6	6	k	j	i	i	H	j	...	...	...	●^{0}	...	...	c ⊕, bc *a* : c ●^{0} *p* : bc *n*.
14	---	Cu.	Cu:Ci:Ci-Cu.	0	6	4	2	2	2	l	j	j	j	k	j	...	...	...	...	...	...	b, bc *a* : bcy, b *p* : b, *n*.
15	A-Cu:A-St.	A-Cu:A-St.	A-St.	9	9	7	7	10	10	j	i	j	j	j	H	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c ●^{0} *n*.
16	St:A-St.	St.	Fr-St:A-St.	10	10	10	9	10	10	H	H	H	H	H	H	...	●	...	...	...	...	c o ● *a* : o c *p* : c *n*.
17	Nb:A-St.	Nb.	Nb:A-St.	10	10	10	10	10	9	H	H	i	i	i	j	●	●	●^{0}	●^{0}	...	...	c o ● *a* : o ●^{0} c *p* : c *n*.
18	Cu.	St.	St.	2	9	10	10	10	10	H	i	H	F	F	G	...	...	...	...	...	●^{0}	b ⌓, c o *a* : c o m *p* : o m ●^{0} *n*.
19	Cu-Nb:St-Cu:Ci.	Cu-Nb:A-Cu.	Nb:A-Cu:A-St.	7	3	6	8	10	10	j	j	k	j	i	H	...	...	...	...	●^{0}	...	bc *a* : bc c ●^{0} *p* : c ●^{2} *n*.
20	Cu-Nb:St-Cu:A-Cu:Ci.	St:St-Cu:A-St.	St-Cu:A-Cu:A-St.	4	7	10	8	9	9	j	j	j	i	j	j	...	...	...	...	...	●^{0}	bc, c *a and p* : c ●^{0} *n*.
21	Cu:St-Cu:A-Cu.	St-Cu:A-St.	St.	9	9	10	10	10	10	j	j	j	k	j	j	...	...	...	...	...	...	c *a* : c o *p* : o *n*.
22	St.	Nb.	Nb:A-St.	10	10	10	10	10	9	k	k	j	j	k	k	●^{0}	...	●	●^{0}	...	...	o ● *a* : o ● c *p* : c ●^{0} *n*.
23	Fr-St:St-Cu.	St-Cu.	Cu:St-Cu.	9	9	8	7	7	3	k	k	k	j	k	k	...	...	...	...	...	...	c *a* : c, bcy *p* : bc, b *n*.
24	Cu-Nb:St-Cu.	Cu-Nb:A-Cu.	Cu-Nb:St-Cu.	7	8	6	5	7	4	k	k	k	k	k	k	●	...	▲^{0}	...	...	...	bc p ●^{2} ▲^{0} *a* : bc p ●^{0} *p* : bc *n*.
25	Nb:Cu-Nb.	Nb:Cu-Nb.	Nb:Cu-Nb.	8	9	9	7	9	10	k	k	j	k	k	j	...	...	▲	...	...	●	c p ● ✱ ▲ *a* : c p ●^{2} *p* : c o ● *n*.
26	Nb.	Nb:A-St.	Cu:St-Cu:A-Cu:Ci.	10	10	10	10	7	8	H	H	j	j	j	j	●^{0}	●	●^{0}	...	...	...	o ● c *a* : c ●^{0}, bc *p* : bc, c *n*.
27	St-Cu.	Cu:St-Cu:A-Cu.	Nb:St-Cu.	9	9	4	9	10	10	j	j	k	j	k	F	...	...	...	...	...	●^{0}	c, bc *a* : bc c ●^{0} *p* : c o ●^{0} f *n*.
28	St.	Nb:A-Cu:A-St.	A-Cu:A-St.	10	10	9	9	9	9	H	H	j	k	k	k	...	...	●^{0}	...	...	...	f m c ●^{0} *a* : c *p* : bc, c o ●^{0} *n*.
29	Nb.	St:St-Cu.	St.	10	10	10	9	10	10	H	j	k	j	i	H	●^{2}	●	...	...	...	...	o d ● c *a* : c o *p* : o *n*.
30	St.	Cu:Ci:Ci-St.	Cu.	10	10	4	7	2	10	H	H	i	i	i	G	...	●	...	...	...	...	o ● bc ⊕ *a* : bc ⊕ b *p* : b o *n*.
31	St:St-Cu.	St-Cu.	St-Cu.	9	9	3	3	9	9	k	k	k	j	i	i	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c *n*.
Mean Cloud Am'nt.				7·4	8·4	7·9	7·7	8·1	7·8													

160. Aberdeen. **June, 1932.**

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	A-Cu:Ci.	A-Cu:Ci.	A-Cu:Ci.	7	4	1	1	1	10	k	k	k	k	j	D	...	...	...	...	...	...	c, bc, b *a* : b *p* : b, om, f *n*.
2	St.	St.	St-Cu:Ci:Ci-Cu.	10	9	6	5	4	9	G	j	j	j	k	k	...	...	...	...	...	...	f, m, c, bc *a* : bc *p* : bc, c *n*.
3	St-Cu.	St-Cu.	Cu:St-Cu.	10	8	8	5	7	4	k	k	k	l	l	k	...	●^{0}	...	...	...	...	c d ●^{0} *a* : c, bc *p* : bc *n*.
4	Cu-Nb.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	7	7	7	8	8	5	k	l	k	l	l	k	●	...	...	...	...	...	bc p ●^{0} *a* : bc, c *p* : c, bc *n*.
5	Cu:St-Cu:A-Cu.	Cu-Nb:St-Cu:A-Cu:A-St	Cu-Nb:St-Cu.	7	9	9	8	9	10	k	j	k	l	k	k	...	●^{0}	...	...	...	...	bc p ●^{0} *a* : c y *p* : c p ●^{0} *n*.
6	Cu:St-Cu.	Cu:St-Cu.	Cu:St-Cu.	9	9	8	8	5	7	l	l	l	l	k	k	...	...	...	...	...	...	c, c y *a* : c, bc y *p* : bc *n*.
7	St-Cu.	St-Cu.	Nb:Cu-Nb.	8	9	9	9	9	10	k	k	k	k	k	k	...	...	...	...	●	●^{0}	c, cy *a* : c *p* ●^{0} *p* : c ●^{0} *n*.
8	Cu:St-Cu:A-Cu.	St-Cu:Cu-Nb.	St-Cu.	6	6	7	8	8	9	k	l	k	j	k	k	...	...	...	...	...	...	c ●^{0}, bc *a* : bc, c *p* : c *n*.
9	St-Cu:A-Cu:Ci:Ci-Cu	Cu:St-Cu:Ci.	St-Cu.	6	9	6	7	9	8	k	k	k	k	H	i	...	...	...	...	...	...	c, bcy *a* : bcy, c *p* : c, bc *n*.
10	St-Cu:A-Cu:Ci:Ci-St	Cu:Cu-Nb:A-Cu:Ci.	St-Cu:A-Cu:Ci.	8	8	5	4	5	3	H	i	k	k	j	j	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bc *n*.
11	A-Cu.	Cu-Nb:A-Cu(lent).	A-Cu:A-St.	6	5	6	7	8	9	j	j	j	j	i	H	...	...	...	...	...	...	bcy *a* : bcy, c *p* : c *n*.
12	St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:A-Cu.	9	9	8	6	4	3	k	k	k	k	k	k	...	...	...	...	...	...	c *a* : c, bc *p* : bc *n*.
13	Fr-St:A-Cu:A-St.	St-Cu:A-Cu:A-St.	Cu.	9	9	7	6	4	1	k	k	k	l	m	k	...	...	...	...	...	...	c, bc *a* : bc *p* : bc, b *n*.
14	St-Cu.	Cu:Ci.	A-Cu:Ci.	8	5	5	4	4	0	k	k	k	l	l	k	...	...	...	...	...	...	bc, c, bc *a* : bc *p* : bc, b *n*.
15	St-Cu:A-Cu.	St-Cu.	St-Cu.	4	1	3	0	0	1	k	l	l	l	m	k	...	...	...	...	...	...	bc, b, bc *a* : bc, b *p* : b ⌓ *n*.
16	A-Cu.	Cu-Nb:A-Cu.	A-Cu.	0	0	0	0	0	0	k	j	k	k	k	k	...	...	...	...	...	...	b ⌓, by *a* : by *p* : by, b *n*.
17	A-Cu:Ci.	St-Cu:Ci.	St-Cu.	0	0	1	4	8	5	j	k	k	k	k	j	...	...	...	...	...	...	by, b *a* : b, bc, c *p* : bc *n*.
18	St.	St-Cu.	St-Cu.	10	9	9	8	9	9	j	j	k	k	k	j	...	...	...	...	...	...	bc, c, d ●^{0} *a* : c *p* : c *n*.
19	St-Cu.	St-Cu.	St:St-Cu.	9	10	10	10	10	7	k	k	k	j	j	k	...	...	●^{0}	●^{0}	...	...	c, cd ●^{0} *a* : c d ●^{0} *p* : cb c *n*.
20	Nb.	Cu:St-Cu.	Cu:St-Cu.	10	10	9	9	9	9	i	i	k	k	k	j	●^{0}	●^{0}	...	...	...	...	c, o d ●^{0} *a* : c ●^{0} c *p* : c *n*.
21	St-Cu.	St-Cu.	Cu:A-Cu:Ci.	10	9	9	5	5	0	k	k	k	j	j	j	...	...	...	...	...	...	c *a* : c, bc *p* : bc b ⌓ *n*.
22	St.	St.	St-Cu:A-Cu.	10	10	10	8	8	9	H	H	j	j	j	j	...	●^{0}	...	...	...	...	b ⌓, o d ●^{0} *a* : o, c *p* : c *n*.
23	Cu:St-Cu.	Cu.	A-Cu:Ci.	2	7	1	1	4	3	k	j	k	j	j	j	...	...	...	...	...	...	c, bc, b *a* : b, bc *p* : bc *n*.
24	St-Cu.	Cu:St-Cu:A-Cu.	Cu-Nb:St-Cu.	9	9	9	9	6	5	k	k	k	m	k	k	...	...	...	...	...	...	bc, cu *a* : c K ●^{0} *p* : bc *n*.
25	Cu:St-Cu:A-Cu.	Cu:Ci:Ci-St.	Cu:St-Cu:Ci:Ci-St.	5	6	7	7	8	8	k	l	m	k	k	j	...	...	...	...	...	...	bc *a* : bcy c *p* : c *n*.
26	Cu:St-Cu:A-Cu:Ci.	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu.	7	7	9	9	9	8	j	j	H	j	j	j	...	...	●	...	...	...	c p ●^{0} bc *a* : c K ●^{2} *p* : c *n*.
27	Cu-Nb:St-Cu:A-Cu:Ci:Ci-St.	Cu:Ci:Ci-St.	Nb:Cu-Nb.	9	5	6	7	9	10	k	k	k	k	k	j	...	...	...	...	●^{0}	●^{0}	c, bcy *a* : bc p ●^{0} *p* : c ●^{0} *n*.
28	St.	Cu-Nb:St-Cu.	Cu:St-Cu:A-Cu.	10	10	9	8	6	2	k	j	k	k	k	k	...	●^{0}	...	...	...	...	c d ●^{0}, c ● *a* : c, bc *p* : bc, b *n*.
29	St-Cu.	Fr-St:St-Cu:A-Cu:A-St	St.	7	6	9	7	10	10	j	j	k	k	k	G	...	...	...	...	...	...	bc ⊕ c *a* : c, bc, c, o *p* : o, o m *n*.
30	St.	Nb.	---	10	9	10	5	0	10	E	G	H	i	j	H	...	...	●^{0}	...	...	...	o m f ●^{0} *a* : o ● bc *p* : bc o *n*.
Mean Cloud Am'nt.				7·4	7·1	6·8	6·1	6·2	6·1													

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

161. Aberdeen. **July, 1932.**

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	Nb.	Cu:Ci:Ci-St.	Cu.	10	10	7	7	2	3	H	G	k	k	k	j	●	●^{0}	...	...	...	...	o ● bc ⊕ *a* : bc, b *p* : bc *n*.
2	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu.	Cu:A-Cu.	7	6	3	7	4	7	k	k	k	j	l	k	...	...	...	...	...	...	bc p ●^{0} *a* : bc c p ● *p and n*.
3	A-Cu.	Cu-Nb:Ci-St.	Nb:A-Cu:A-St.	1	1	7	9	10	10	m	l	l	k	k	i	...	...	...	●^{0}	●^{0}	...	b, bc ⊕ *a* : bc c ●^{0} *p* : c ●^{0} *n*.
4	St:St-Cu.	Nb.	Nb.	9	9	10	10	10	7	i	H	H	G	G	j	...	●^{0}	●	...	●	...	c, o ● *a* : o ● *p* : o ●, bc *n*.
5	A-Cu.	Cu-Nb:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci:Ci-St.	7	6	4	8	8	7	k	j	k	j	j	j	...	...	...	...	...	...	bc *a* : bc c ⊕ *p* : bc c p ● *n*.
6	A-Cu.	Cu-Nb:St-Cu.	Cu:St-Cu.	6	7	9	9	5	5	k	k	j	k	k	k	...	...	...	...	...	...	bc c *a* : c, bc y *p* : bc y, bc *n*.
7	A-Cu.	Cu:Nb:St-Cu:A-Cu.	Cu-Nb:St-Cu.	3	8	8	7	9	9	k	l	k	k	k	k	...	...	...	...	...	...	bc, c *a* : c p ●^{0}, cy, c *p* : c *n*.
8	Nb.	Cu:St-Cu:A-Cu:A-St.	Cu:St-Cu:A-Cu.	10	9	8	9	7	3	i	j	l	k	k	k	●^{0}	●^{0}	...	...	...	...	c, o ●^{0} *a* : c, bcy *p* : bc *n*.
9	St-Cu:A-Cu.	Cu:A-Cu:Ci:Ci-St.	Cu:St-Cu:A-Cu.	9	7	6	6	5	8	l	l	m	m	m	k	...	...	...	...	...	...	bc, c p ● *a* : bcy *p* : bc, c, b *n*.
10	Cu:A-Cu.	Cu-Nb:A-Cu:Ci:Ci:Cu.	Cu:St-Cu:A-Cu:Ci:Ci-Cu	4	7	5	6	6	3	k	k	m	l	l	k	...	...	...	...	...	...	b ⌓, bcqy *a* : bcqy *p* : bc, b *n*.
11	St:St-Cu:A-Cu:A-St.	Nb:A-Cu:A-St.	Fr-St:St-Cu:A-Cu:A-St	9	9	9	10	10	10	k	k	k	j	k	k	...	●^{0}	●^{0}	...	...	...	bc, c ●^{0} *a* : c ●^{0} c *p* : c *n*.
12	St:St-Cu.	Cu-Nb:St-Cu:A-St.	Nb.	10	10	10	10	10	10	j	k	k	j	H	H	...	●^{0}	...	●^{0}	●^{2}	●^{0}	c ●, c *a* : c ●^{0} *p* : od$_2$ ●^{0} *n*.
13	St.	Cu-Nb:St-Cu:A-Cu.	A-Cu:Ci.	10	10	7	5	0	4	H	j	k	k	k	k	...	...	...	...	...	...	o, c, bc *a* : bc, b *p* : b, bc *n*.
14	St:St-Cu.	Cu:St-Cu.	St-Cu.	10	9	9	9	9	9	k	k	k	k	k	k	...	...	...	...	...	...	c throughout.
15	St-Cu:A-Cu:A-St.	St:St-Cu.	St-Cu.	9	10	10	10	9	10	j	k	k	k	j	j	...	...	...	...	...	...	c, o, c *a* : c *p and n*.
16	Nb.	Nb:A-Cu:A-St.	Cu:St-Cu:A-Cu.	10	10	10	9	6	5	H	i	j	j	k	k	●	●^{0}	●^{0}	...	...	...	c o ● *a* : c ●^{0}, bc *p* : bc *n*.
17	Cu:St-Cu.	Cu.	Cu:A-Cu:A-St.	3	8	7	8	9	8	l	l	l	l	k	k	...	●	...	...	●^{0}	...	bc, c p ● *a* : bc p ●^{0} *p and n*.
18	St-Cu.	Cu:St-Cu:A Cu.	A-Cu.	9	9	5	2	5	10	k	k	l	m	m	k	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bc c *n*.
19	Fr-St:A-Cu:A-St.	St-Cu.	Cu-Nb:St-Cu.	10	9	9	9	9	9	l	k	k	k	k	i	...	...	...	●^{0}	...	●^{0}	c *a* : c, c p ●^{0} *p* : c d ●^{0} *n*.
20	Nb.	Cu-Nb:St-Cu:A-Cu.	Nb:Cu-Nb:A-Cu.	10	9	8	8	10	10	H	k	k	k	H	H	●	...	...	...	...	●	cd$_0$ p ●^{0} *a* : cu p ●^{2} *p* : c o ● *n*.
21	Cu:St-Cu.	Nb:Cu-Nb.	Cu-Nb:St-Cu.	4	7	9	8	8	9	k	k	j	k	k	j	...	...	...	...	...	...	bc, c ☈ ●^{2} *a* : c p ●^{2} ◁ *p* : c ● *n*.
22	Cu-Nb:St-Cu.	Nb:Cu-Nb.	Cu-Nb:St-Cu:A-Cu.	9	9	9	8	7	2	k	k	k	k	k	k	...	●^{0}	...	...	...	...	c ● *a* : c p ●^{0}, bc *p* : bc, b *n*.
23	Cu:St-Cu:A-Cu.	Cu:A-Cu.	A-St.	3	6	1	4	9	10	k	k	m	k	k	j	...	...	...	...	...	●^{0}	bc, b *a* : b, bc, c ⊕ *p* : c ⊕ d ●^{0} *n*.
24	Nb.	Nb:Cu-Nb:A-St.	Nb:Cu-Nb:A-Cu.	10	10	10	8	9	3	j	j	i	H	i	j	●^{0}	●^{0}	●^{0}	...	...	...	c o ●^{0} *a* : c p ● *p* : bc *n*.
25	Nb:Cu-Nb:A-Cu:A-St.	Cu-Nb:St-Cu:A-Cu:Ci.	Cu-Nb:St-Cu.	10	10	8	6	4	6	i	G	j	i	i	i	●	●	...	...	...	...	bc, o ● *a* : c p ●^{2} *p* : bc *n*.
26	---	St.	Nb:Cu-Nb:A-St.	0	9	10	10	10	10	G	H	G	G	H	H	...	...	●^{0}	...	●^{0}	●	bc, f, o d ●^{0} *a* : o c ●^{0} *p* : o ● *n*.
27	Nb:Cu-Nb.	Cu-Nb:St-Cu:A-Cu:Ci.	Cu-Nb:A-Cu.	9	9	7	8	7	10	i	i	j	j	k	j	...	...	...	...	...	●^{0}	o ●, c *a* : bc, cu *p* : c ●^{0} *n*.
28	St-Cu:A-Cu.	Cu-Nb:A-Cu.	Cu-Nb:St-Cu:A-Cu.	9	8	8	8	5	1	k	k	k	k	k	k	...	...	●^{0}	...	...	...	c ●^{0} *a* : c p ●^{0} *p* : bc, b ⌓ *n*.
29	Cu:St-Cu.	Cu:St-Cu.	St-Cu:A-Cu.	9	8	9	9	9	6	H	i	i	i	i	j	...	...	...	...	...	...	bc ⌓, c *a* : c *p* : c, bc *n*.
30	St.	Cu:St-Cu:A-Cu:Ci.	Cu-Nb:St-Cu:A-Cu:Ci.	10	10	7	4	8	6	D	H	j	j	j	j	...	●^{0}	...	...	...	...	bc, o f ● *a* : c p ●^{0} bc *p and n*.
31	A Cu.	Cu-Nb:St-Cu:A-Cu:Ci:Ci St.	St:Cu-Nb:St-Cu:A-Cu:A-St.	8	8	8	9	9	10	k	j	j	j	j	j	...	●^{0}	...	...	...	...	bc ⌓ c ●^{0} *a* : c *p and n*.
Mean Cloud Am'nt.				7·6	8·3	7·6	7·7	7·4	7·1													

162. Aberdeen. **August, 1932.**

Day	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						Remarks on the Weather of the Day.
1	Nb.	Cu-Nb:St-Cu.	Cu:St-Cu.	10	9	8	9	9	3	j	k	k	k	k	k	...	...	...	...	...	...	o ●^{0}, c *a* : c p ●^{0} *p* : c, bc, b *n*.
2	A-Cu.	A-Cu:A-St.	Nb:A-St.	8	8	9	8	10	8	j	j	j	k	j	j	...	...	...	...	●^{0}	...	b, bc, c *a* : cy, c ●^{0} *p* : c ●^{0}, c *n*.
3	St-Cu.	Cu:St-Cu.	Nb:Cu-Nb.	9	8	8	6	8	5	j	k	k	j	j	j	...	...	...	...	...	...	c, cy *a* : c, bc, c p ●^{2} *p* : c p ●^{0} ♔ *n*.
4	Cu:St-Cu:A-Cu:Ci.	Nb:Cu-Nb:A-Cu.	Cu-Nb:St-Cu.	6	8	8	9	8	8	j	j	j	j	j	j	...	...	●^{2}	●	...	...	bc, c p ●^{2} *a* : c p ●^{2} *p* : c *n*.
5	St-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu:A-St.	8	6	8	8	7	10	k	k	k	k	k	j	...	...	...	...	●^{0}	...	cbc c *a* : cbc p ●^{0} *p* : bc p ●^{0} *n*.
6	Fr-Cu:A-Cu.	Cu:A-Cu:A-St.	Cu:A-Cu.	2	6	7	6	1	6	k	k	k	k	l	k	...	...	...	...	...	...	bc *a* : bc, b *p* : bc p ●^{0} *n*.
7	St-Cu.	Cu:St-Cu:Ci.	Cu:St-Cu:A-Cu:A-St.	8	5	8	9	8	9	l	l	l	l	k	k	...	...	...	...	...	...	c, bcy *a* : cy, c *p* : c *n*.
8	A-Cu:A-St.	Cu:A-Cu:Ci:Ci-St.	Cu:St-Cu:A-Cu:Ci:Ci-St	9	9	8	6	8	10	j	j	j	j	j	i	...	...	...	...	...	●^{0}	c ●^{0} *a* : c, bc *p* : c ●^{0} *n*.
9	Cu:St-Cu.	Cu:St-Cu:Ci.	Cu:St-Cu.	6	7	5	6	3	4	j	l	m	m	m	k	...	...	...	...	...	...	c, bc *a* : bc *p* : b, bc ⌓ *n*.
10	St-Cu:A-Cu.	Cu:St-Cu:A-Cu:A-St.	Cu:St-Cu.	8	9	8	9	8	4	k	k	j	j	j	j	...	...	...	...	...	...	bc ⌓, c *a* : c *p* : c, bc *n*.
11	St-Cu:A-Cu:Ci.	A-Cu:Ci-St.	A-Cu:Ci:Ci-Cu.	7	8	10	7	7	5	j	j	j	j	i	i	...	...	...	...	...	...	bc, c ⊕ *a* : c ⊕, bc *p* : bc *n*.
12	Cu-Nb:A-Cu:Ci:Ci-St	Cu-Nb:A-Cu.	Nb:Cu-Nb:A-St.	7	10	10	9	10	2	H	H	H	H	H	i	...	...	...	...	...	...	c ☈ ●^{2}, c *a* : c ⊕ *p* : bc, b ◁ *n*.
13	Cu:St-Cu:A-Cu:Ci:Ci-Cu	Nb:Cu-Nb:A-Cu:A-St.	Nb:Cu-Nb:A-Cu.	8	7	10	6	8	10	j	j	H	j	j	j	...	...	●	...	●^{0}	...	bc c ☈ ●^{2} *a* : c ● bc *p* : p ●^{0} c *n*.
14	St:St-Cu.	St-Cu.	St-Cu.	10	10	9	9	9	9	k	k	k	k	k	k	...	...	...	...	...	...	c throughout.
15	Cu:St-Cu.	St-Cu.	Fr-St:A-Cu:A-St.	10	9	9	9	9	10	k	j	k	k	k	j	...	...	...	...	...	...	c throughout, ●^{0} *n*.
16	St:St-Cu.	Cu:A-Cu:Ci.	Cu:A-Cu:Ci:Ci-Cu.	9	7	6	5	5	8	H	j	k	j	j	j	...	...	...	...	...	...	c ●^{0} bc *a* : bc *p* : bc, c *n*.
17	Cu-Nb:St-Cu:A-Cu:Ci	Cu:A-Cu:A-St:Ci.	Cu:A-Cu:Ci-Cu.	6	7	8	6	7	9	k	k	k	m	m	k	...	...	...	...	...	...	c p ●, bc *a* : c, bc *p* : bc, c *n*.
18	Cu:A-Cu:Ci.	Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	8	6	6	5	3	2	k	m	m	m	j	j	...	...	...	...	...	...	c, bc *a* : bc, b *p* : bc, b *n*.
19	A-Cu:Ci.	Fr-Cu:A-Cu:Ci:Ci-Cu	St-Cu:A-Cu:A-St.	7	4	4	5	9	7	j	k	l	l	k	j	...	...	...	...	...	...	bc ⌓, bc *a* : bc, c *p* : c ●^{0}, bc *n*.
20	Cu:St-Cu.	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu.	9	9	6	8	8	4	k	k	k	k	l	k	...	...	...	...	...	...	bc ⌓, c *a* : bc, c *p* : c, bc *n*.
21	Cu:St-Cu:A-Cu:Ci:Ci-St	Cu:St-Cu.	Nb.	8	8	9	9	9	9	l	l	k	k	k	k	...	...	...	...	●^{0}	...	bc, c *a* : c ●^{0} *p* : c ●^{0} c *n*.
22	St-Cu.	St-Cu.	Cu:St-Cu.	10	9	9	6	7	0	k	k	k	k	k	k	...	...	...	...	...	...	c, cy *a* : c, bcy *p* : bc, b ⌓ *n*.
23	A-Cu:Ci.	Ci:Ci-St.	A-Cu:Ci-St.	2	3	7	4	3	2	H	k	k	k	k	j	...	...	...	...	...	...	b ⌓, bc ⊕ *a* : bc ⊕ *p* : bc, b *n*.
24	A-Cu:Ci.	A-Cu.	A-Cu.	2	0	0	2	2	0	G	j	k	l	l	j	...	...	...	...	...	...	b ⌓⌓, b *a* : b *p* : b, b ⌓ *n*.
25	St-Cu.	Cu:Ci.	A-Cu:Ci.	2	8	4	5	1	9	H	j	k	l	l	k	...	...	...	...	...	...	b ⌓⌓, bc *a* : bc ⊕ *p* : bc, c *n*.
26	St-Cu.	Cu-Nb:St-Cu.	St-Cu:A-Cu:A-St.	9	9	9	8	9	9	j	k	k	k	k	j	...	...	...	...	...	...	c *a* : c *p* : c d ●^{0} *n*.
27	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu.	A-Cu:Ci.	9	10	6	5	5	1	H	H	l	k	l	k	...	...	...	...	...	...	c p ●^{0}, bc *a* : bc *p* : bc, b *n*.
28	St-Cu:Ci.	Cu:St-Cu:Ci:Ci-St.	A-Cu:A-St:Ci:Ci-St.	4	6	7	5	8	10	k	k	k	k	k	k	...	...	...	...	...	...	bc ⊕ y *a* : bc ⊕ y *p* : c *n*.
29	Cu-Nb:A-Cu.	Cu-Nb:A-Cu:A-St.	Cu:A-Cu.	9	8	8	7	7	7	G	j	j	j	j	k	...	...	...	...	...	...	c *a* : c, bc *p* : bc *n*.
30	Nb:A-St.	Nb.	Nb:A-St.	10	10	10	10	10	8	H	i	i	H	H	i	●^{0}	●	●^{0}	●^{0}	...	...	bc o ●^{2} *a* : o ●^{0} c *p* : c p ●^{2} *n*.
31	A-Cu.	Cu:Ci.	Cu:St-Cu:A-Cu.	4	4	5	5	4	0	l	l	l	m	m	k	...	...	...	...	...	...	c, bc *a* : bcy *p* : bc, b *n*.
Mean Cloud Am'nt.				7·2	7·3	7·4	6·8	6·8	6·1													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

163. Aberdeen. **September, 1932.**

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.	Nb.	Cu:A-Cu:Ci:Ci-Cu.	10	10	10	9	8	7	k	H	H	j	j	j	...	●	●	...	...	...	bc o ● *a* : o ● c *p* : bc p ●^{0} *n*.
2	Cu-Nb:St-Cu:A-Cu:A-St.	Cu-Nb:St-Cu:A-Cu:Ci-St.	Cu:St-Cu:A-Cu:A-St.	9	9	9	9	9	2	k	k	j	j	j	k	...	...	...	...	...	...	b, bc, c *a* : cy *p* : bc b ⌓ *n*.
3	Cu:St-Cu.	Cu:St-Cu:Ci.	Cu-Nb:St-Cu:A-Cu:Ci.	5	9	7	6	5	0	k	k	l	l	k	k	...	...	...	...	...	...	bc cp ●^{0} *a* : bc p ● *p* : bc p ●^{0} *n*.
4	Cu:St-Cu.	Cu-Nb:A-Cu.	Cu:St-Cu:A-Cu:A-St.	5	6	4	9	8	2	k	k	k	j	k	j	...	...	...	●	...	...	bc p ● *a* : bc, cp ● *p* : bc, b *n*.
5	Fr-Nb:A-Cu:A-St.	Nb:A-Cu:A-St.	St:St-Cu:A-Cu.	9	9	10	10	8	3	j	k	j	H	j	j	...	...	●^{0}	●	...	...	bc, c ●^{0} *a* : c, o ●^{0} *p* : c, bc *n*.
6	St-Cu:A-St.	Cu:Cu-Nb:A-Cu:Ci-St.	Cu:St-Cu.	9	10	9	7	8	0	i	H	j	k	k	H	...	...	...	...	...	...	bc, c p ●^{0} *a* : bc p ● *p* : c p ●^{0} b *n*.
7	Cu:St-Cu:Ci.	Cu-Nb.	Nb:Cu-Nb:Ci.	8	6	9	8	9	0	j	j	j	j	i	j	...	...	●^{0}	...	●^{0}	...	bc p ●^{2} *a* : c p ● *p* : c p ●^{2}, b *n*.
8	Nb:Cu-Nb:A-St.	Nb.	Nb.	10	10	10	10	10	10	j	j	H	i	H	H	●^{0}	●^{0}	●	●	●	●	bc c ●^{0} *a* : o ● q *p* : o ● *n*.
9	St.	St:St-Cu.	St:St-Cu.	10	10	9	9	8	9	E	E	H	H	G	i	●	●	...	...	...	...	o ● f d, c *a* : c *p and n*.
10	Nb:A-St.	Cu-Nb:St-Cu:A-Cu:Ci.	Cu-Nb:St-Cu:Ci.	9	8	8	8	6	3	i	j	k	j	k	k	●^{0}	...	...	●^{0}	...	...	c o ● *a* : c *p* ●^{2} ▲^{2} *p* : bc *n*.
11	Fr-Nb:A-Cu:A-St.	Cu:A-Cu.	Nb:Cu-Nb.	7	8	8	8	7	3	l	m	l	l	k	k	●^{0}	...	...	●^{0}	...	...	bc p ●^{0} *a* : c p ●^{0} *p* : p ●^{2} bc *n*.
12	Cu-Nb:St-Cu.	Cu-Nb.	Cu:St-Cu:Ci.	1	6	6	5	1	4	k	l	k	l	l	k	...	...	...	...	...	...	bc p ●^{0} *a* : bc p ●^{0}, b *p* : b, bc *n*.
13	A-Cu.	Cu:A-Cu:A-St.	Nb.	4	6	8	10	10	10	i	i	i	i	H	H	...	...	...	...	●	●	bc ⌓, c *a* : c o ● *p* : o ● c *n*.
14	Cu:St-Cu:A-Cu.	A-Cu:Ci.	A-Cu:Ci.	8	3	4	6	2	4	i	k	k	k	j	j	...	...	...	...	...	...	c bc *a* : bc, b *p* : b, bc *n*.
15	Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci-Cu.	Cu:St-Cu:Ci-Cu.	4	1	5	7	5	8	j	k	m	l	k	k	...	...	...	...	...	...	bc ⌓ b *a* : bc, y *p* : bc, c *n*.
16	Fr-Cu:A-Cu.	Cu:St-Cu:A-Cu.	St-Cu.	5	7	7	8	9	8	i	i	k	k	i	j	...	...	...	...	...	...	bc ⌓, b *a* : bc, c *p* : c *n*.
17	St.	Cu-Nb:St-Cu.	Nb:Cu-Nb:A-Cu.	10	9	7	9	9	9	H	j	k	i	i	j	●^{0}	...	...	...	...	...	c, o d ●^{0} *a* : bc c *p* : c bc *n*.
18	A-Cu.	Cu:A-Cu.	Cu:St-Cu:A-Cu.	6	8	3	4	1	0	k	k	l	l	l	l	...	...	...	...	...	...	bc c *a* : bc y q *p* : b q *n*.
19	Cu-Nb:A-Cu.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	9	7	7	5	6	0	j	k	k	k	j	k	●	...	...	...	...	...	bc p ● *a and p* : bc p ●^{0}, b *n*.
20	Cu-Nb:St-Cu:Ci.	Cu:Cu-Nb:A-Cu.	Cu:St-Cu:Ci-Cu.	1	4	5	5	7	0	k	k	l	k	k	k	...	...	...	...	...	...	b, bc y *a* : bc p ●^{0} *p* : bc b ⌓ *n*.
21	A-Cu:Ci:Ci-Cu.	Cu:Ci-St.	St-Cu:A-Cu:A-St.	5	3	4	6	8	8	k	l	l	k	i	i	...	...	...	...	...	...	b ⌓, bc ⊕ *a* : bc ⊕ y *p* : c *n*.
22	St-Cu:A-Cu:A-St:Ci-Cu.	A-Cu.	St-Cu.	9	6	3	6	9	10	i	k	k	k	j	i	...	...	...	...	...	...	bc y *a* : bc y, c *p* : c, c ●^{0} *n*.
23	Nb:Cu-Nb:A-St.	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu.	9	6	6	8	3	0	k	k	k	j	k	k	...	...	...	●^{0}	...	...	c ●^{0} bc *a* : bc p ●^{0} *p* : bc b ⌓ *n*.
24	Nb.	Nb:Cu-Nb:A-St.	Nb:A-Cu.	10	10	10	9	8	4	H	G	H	H	j	j	●	●^{0}	...	●^{0}	...	...	bc, o ●^{0} *a* : c ●^{0} *p* : c ◉^{0}, bc *n*.
25	Cu:St-Cu.	Nb:Cu-Nb.	Cu-Nb:St-Cu:A-Cu.	2	4	9	8	7	8	j	j	j	j	H	j	...	...	●^{0}	...	...	...	b ⌓ bc p ●^{0} *a* : c p ●^{0} *p* : bc c K ●^{2} *n*.
26	Nb.	Cu:Ci-St.	Nb:Cu-Nb:A-Cu:Ci.	10	10	8	6	6	2	j	j	k	k	j	j	●^{0}	●^{0}	...	...	...	...	o ● c q ⊕ *a* : c q bc p ●^{0} *p* : bc p ●^{0} *n*.
27	Cu-Nb:Ci.	Cu:Cu-Nb.	Cu-Nb:St-Cu:A-Cu.	4	1	6	3	3	0	k	k	k	l	k	i	...	...	●^{0}	...	...	...	bc p ●^{0} *a* : bc *p* : bc b *n*.
28	A-Cu:Ci.	A-Cu:Ci:Ci-Cu.	Cu:St-Cu:A-Cu:Ci.	7	6	4	5	8	0	i	H	k	k	j	H	...	...	...	...	...	...	bc y *a* : bc y, c *p* : bc, b *n*.
29	Fr-St:A-Cu.	Cu.	St:St-Cu:A-Cu:Ci.	7	2	0	0	4	0	H	H	j	j	j	H	...	...	...	...	...	...	b ⌓ b *a* : b, bc *p* : bc b ⌓ *n*.
30	St-Cu:A-Cu:Ci.	A-Cu:A-St.	Nb.	7	8	9	10	10	8	H	G	j	H	H	H	...	...	...	...	●^{0}	...	bc c *a* : c o ●^{0} *p and n*.
Mean Cloud Am'nt.				7·0	6·7	6·8	7·1	6·7	4·1													

164. Aberdeen. **October, 1932.**

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-Nb:St-Cu:Ci.	Nb:Cu-Nb.	Cu-Nb:St-Cu:Ci:Ci-Cu.	5	5	6	3	4	8	k	k	j	l	j	k	...	...	●^{0}	...	...	...	c bc p ● *a* : bc p ●^{0} *p* : bc c *n*.
2	Nb:Cu-Nb:A-Cu.	Nb:Cu-Nb.	Cu-Nb:St-Cu:A-Cu.	6	4	9	8	5	9	k	k	j	k	j	j	...	...	●^{0}	...	...	●^{0}	bc c ●^{0} *a* : c ●^{0} *p* : c ●^{0} *n*.
3	Cu-Nb:St-Cu:Ci.	Cu-Nb:St-Cu:A-Cu.	Cu-Nb:St-Cu.	5	3	7	6	6	8	k	k	k	k	j	j	...	...	...	●^{0}	...	...	c bc p ● *a* : bc p ●^{0} *p* : bc c p ●^{0} *n*.
4	Cu:St-Cu:A-Cu:Ci:Ci-Cu.	Cu:St-Cu:Ci:Ci-St.	St-Cu:A-Cu:A-St.	6	8	6	8	9	8	j	j	l	l	i	H	...	...	...	...	...	...	bc ⊕ *a* : bc c *p* : c bc *n*.
5	A-Cu:Ci.	A-Cu:A-St.	Nb:A-St.	8	9	9	9	10	10	H	H	H	j	H	H	...	●^{0}	...	...	●^{0}	...	bc c ●^{0} *a* : c ●^{0} *p and n*.
6	Nb:A-Cu:A-St.	Fr-Nb:A-St.	Fr-Nb:A-St.	10	9	10	9	10	10	i	j	H	i	j	j	...	●^{0}	...	...	...	...	c ●^{0} *a and p* : c *n*.
7	Cu:St-Cu:A-Cu:Ci:Ci-Cu.	Nb:A-St.	St:St-Cu.	6	8	10	7	10	10	i	j	j	j	i	H	...	...	●^{0}	...	●^{0}	●^{0}	bc c p ●^{0} *a* : bc c ●^{0} *p* : o ●^{0} *n*.
8	Nb.	Nb.	Nb.	10	10	10	10	10	10	H	G	H	H	G	G	●	●	●^{0}	●	●	●	o ● q ⫫ *a* : o ● q *p and n*.
9	Cu-Nb:St-Cu:A-St.	Cu-Nb:Ci.	St:St-Cu.	10	7	5	2	9	9	j	k	k	j	k	j	...	...	...	...	...	●^{0}	o ●^{0}, c bc *a* : bc *p* : c p ●^{0} *n*.
10	Nb.	Nb.	Nb.	10	10	10	10	10	10	H	j	j	H	H	H	●	...	●^{0}	●	●	●^{0}	o ●, c *a* : o ● q *p and n*.
11	Nb:Cu-Nb.	Cu-Nb:Ci.	Cu:St-Cu:Ci.	3	5	4	8	4	4	j	k	k	j	H	H	...	...	...	...	...	...	c ●, bc *a* : bc c *p* : bc *n*.
12	St-Cu:Ci:Ci-Cu.	Cu:A-Cu.	Fr-Nb:A-St.	6	8	9	9	10	10	i	H	i	H	H	H	...	...	...	...	●^{0}	●^{0}	bc, c *a* : c, c ●^{0} *p* : c, o ●, bc *n*.
13	Nb:Cu-Nb.	Nb:A-St.	Nb:Cu-Nb:A-St:A-Cu.	9	9	10	10	5	8	i	i	j	i	j	k	●^{0}	●	●^{0}	●	...	...	bc c ●^{0} *a* : o ● bc *p* : c ●^{0} U *n*.
14	Fr-St.	Cu-Nb:St-Cu:Ci.	Nb:Cu-Nb.	8	8	5	8	9	10	l	k	k	j	j	i	...	...	...	●^{0}	●	●	c, c ●, bc *a* : c p ● *p* : o ● *n*.
15	Nb:Cu-Nb.	Cu-Nb:St-Cu:A-Cu:A-St.	Nb:Cu-Nb:A-St.	10	9	9	9	10	10	l	k	k	j	k	j	●^{0}	...	●^{0}	...	●^{0}	●^{0}	o ● q c *a* : c p ●^{0} *p* : c ●^{0} *n*.
16	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu:A-St.	Nb.	5	0	9	9	10	10	k	k	k	j	F	H	...	...	...	...	●	●^{0}	bc c *a* : c, o ● *p* : o ●, c *n*.
17	Cu-Nb:St-Cu:A-Cu:Ci.	Cu:Cu-Nb:Ci:Ci-St.	St-Cu:A-St.	6	4	7	10	10	10	k	k	k	j	H	H	...	...	...	...	...	●^{0}	c p ●^{0}, bc *a* : bc, c *p* : c, o ● *n*.
18	Nb:Cu-Nb.	Cu-Nb:A-Cu.	Cu-Nb:Ci.	9	8	1	3	4	0	i	j	k	k	k	k	●	...	...	...	...	...	o ●, bc p ●^{0} *a* : bc q p ●^{0} *p* : bc, b *n*.
19	Cu-Nb:St-Cu.	Cu:Ci:Ci-St.	A-St.	3	0	6	8	10	10	k	l	l	j	F	G	...	...	...	...	...	●^{0}	b ⌓ bc ⊕ *a* : bc y c *p* : c ●^{0} *n*.
20	St-Cu:A-Cu:A-St.	Cu:St-Cu:A-Cu.	Cu:A-Cu:A-St.	8	7	4	0	2	0	i	j	l	k	k	k	...	...	...	...	...	...	c, bc y *a* : bc, b y *p* : b, b ⌓ Ш *n*.
21	A-Cu.	A-Cu.	A-Cu.	8	5	6	6	3	0	j	l	l	k	H	F	...	...	...	...	...	...	b bc ⊕ *a* : bc ⊕ *p* : bc b z *n*.
22	Nb:A-St.	Nb.	Nb.	10	10	10	10	10	3	H	i	i	H	H	j	●^{0}	●	●	●	●	...	b m, c o ● *a* : o ● *p* : o ●, bc *n*.
23	Cu-Nb:A-Cu:Ci.	Cu:A-Cu.	Cu:St-Cu:A-Cu.	2	6	5	4	5	1	k	i	j	j	H	G	...	...	...	...	...	...	b ⊔ bc *a* : bc *p* : bc b Ш *n*.
24	Cu-Nb:St-Cu:A-Cu:Ci.	Cu-Nb:St-Cu:A-Cu.	Cu-Nb:St-Cu.	6	7	7	6	7	9	i	H	j	k	k	j	...	...	...	...	...	...	bc ⊔ ⌓, bc *a* : bc *p* : bc c ●^{0} *n*.
25	Cu:Cu-Nb:A-Cu.	Nb.	Nb.	8	10	10	10	10	9	H	H	i	i	G	G	...	...	●	●^{0}	●^{0}	●^{0}	c o ● *a* : o ● *p* : o ● c ●^{0} *n*.
26	Nb:Cu-Nb:A-Cu:Ci.	Nb:A-St.	Nb.	6	10	10	9	10	10	j	H	j	j	j	H	...	●^{0}	●^{0}	●^{0}	●	●^{0}	bc o ●^{0} *a* : c o ● *p* : o ● *n*.
27	Cu:A-Cu:A-St.	Cu:St-Cu:A-Cu.	Cu-Nb:St-Cu.	8	8	9	7	1	2	j	k	k	m	l	k	...	...	...	...	...	...	o ●^{0} c *a* : c, bc, b *p* : b *n*.
28	Cu-Nb:Ci.	Cu-Nb.	Cu-Nb.	4	6	3	5	1	4	k	k	l	j	k	j	...	...	...	...	...	...	bc p ✱ △ *a* : bc p ● ▲ *p* : bc b *n*.
29	Cu-Nb:A-Cu:Ci-St.	Cu-Nb:St-Cu:Ci-St.	Nb.	8	9	10	10	10	10	j	i	k	i	i	i	...	...	...	●	●	...	bc ⊔, c ⊕ *a* : o ● q *p* : ● q o *n*.
30	Cu-Nb:St-Cu.	Nb:Cu-Nb.	Nb:Cu-Nb.	10	9	10	10	10	10	j	k	H	H	i	H	...	...	●	●	●	...	o c p ● *a* : c g ●^{2} ▲^{2} *p* : c p ●^{0} *n*.
31	Cu:Cu-Nb:A-Cu.	Cu-Nb:A-Cu.	St-Cu:A-Cu:Ci.	5	6	5	3	8	10	j	H	i	H	H	H	...	...	...	...	...	...	c bc *a* : bc c *p* : c *n*.
Mean Cloud Am'nt.				7·0	7·0	7·5	7·3	7·5	7·5													

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

165. Aberdeen. **November. 1932.**

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	A-Cu.	Nb:A-St.	St-Cu.	7	6	10	8	0	0	i	i	H	j	H	H	...	...	●^{0}	...	...	...	bc, c ●^{0} *a* : c ●^{0} b *p* : b *n*.
2	Nb.	St-Cu:Ci-St:Ci-Cu.	St-Cu:A-Cu:Ci-St:Ci-Cu	10	9	7	7	3	0	i	i	i	j	j	j	...	...	...	...	...	...	bc, o ● bc *a* : bc ⊕ *p* : bc, b *n*.
3	Nb.	St:A-Cu:Ci.	A-Cu:A-St.	10	10	8	9	9	8	H	G	j	j	i	j	●^{0}	●^{0}	...	...	...	...	bc, c, o ● *a* : c q *p* : c *n*.
4	Nb.	Nb.	Fr-Nb.	10	10	9	9	9	0	H	H	j	j	j	j	●	●	●^{0}	...	●^{0}	...	c, o ● d *a* : c ● *p* : c ●^{0}, b *n*.
5	St-Cu:Ci.	St-Cu:Ci.	St-Cu.	1	3	3	1	0	0	k	k	l	j	H	G	...	...	...	...	...	...	b, bc *a* : bc, b *p* : b *n*.
6	Cu:Ci.	Ci.	Ci.	2	5	3	1	0	0	j	H	H	H	H	H	...	...	...	...	...	...	b⊔, bc *a* : b *p* : b *n*.
7	Ci.	Cu.	St-Cu.	2	6	0	0	7	5	H	G	G	G	H	G	...	...	...	...	...	...	b⊔, bc *a* : b, bc *p* : bc *n*.
8	St-Cu.	St.	St.	9	10	10	10	10	10	H	F	F	F	G	H	...	...	...	●^{0}	●^{0}	●^{0}	bc, c, o z *a* : o z d ●^{0} *p* : o d ●^{0} *n*.
9	Nb.	St-Cu.	St-Cu.	9	9	9	9	9	8	j	j	k	i	H	i	●^{0}	●^{0}	...	...	...	...	o ●^{0}, c *a* : c *p* : c *n*.
10	A-Cu.	A-Cu.	---	8	8	0	1	0	0	i	E	j	F	G	F	...	...	...	...	...	...	cm f, b *a* : b f z *p* : b, bm *n*.
11	Cu:St-Cu.	Cu.	St-Cu.	8	7	5	3	3	8	H	H	k	k	j	j	...	...	...	...	...	...	bm, bc *a* : bc *p* : bc, c *n*.
12	Cu:St-Cu.	St:St-Cu.	Nb.	8	10	10	10	10	9	j	i	i	j	j	j	...	...	...	...	●^{0}	...	c *a* : c o d ●^{0} *p* : o d ●^{0} c *n*.
13	St-Cu.	St-Cu.	St-Cu.	9	9	9	10	9	9	k	j	j	j	j	k	...	...	...	...	...	...	cq, c *a* : c *p and n*.
14	St-Cu.	St-Cu.	St-Cu.	8	9	9	10	9	6	j	i	i	i	i	i	...	...	...	...	...	...	c *a and p* : c, bc, b *n*.
15	Fr-St:Cu:St-Cu.	St.	St-Cu.	9	9	10	10	10	9	i	H	j	j	j	j	...	...	●^{0}	...	...	...	c ●^{0} *a* : c d ●^{0} *p* : c *n*.
16	St-Cu.	St-Cu.	Nb:Cu-Nb.	9	9	9	9	9	9	j	j	k	H	j	i	...	...	...	●^{0}	●^{0}	...	c *a* : c d ●^{0} *p and n*.
17	Nb.	Nb.	Cu:St-Cu.	10	9	9	9	9	9	H	H	H	k	j	j	●	...	...	...	...	...	c d ● *a* : c *p* : c d ●^{0} *n*
18	Cu:St-Cu.	St:St-Cu.	St:St-Cu.	8	10	10	10	10	10	i	G	H	H	H	H	...	...	...	...	...	...	c ●^{0}, c *a* : c *p* : c, bc *n*.
19	A-Cu.	Ci.	---	0	1	1	0	0	2	i	H	i	i	H	i	...	...	...	...	...	...	bc, b y *a* : b y *p* : b⊔ *n*.
20	St-Cu:A-St.	St:St-Cu:A-Cu:A-St.	---	10	9	9	6	0	0	j	j	k	j	i	H	...	...	...	...	...	...	b⊔, c *a* : c, bc, b *p* : b ● *n*.
21	A-Cu.	Cu:A-Cu.	A-Cu.	0	1	1	3	2	5	j	i	k	i	F	G	...	...	...	...	...	...	b⊔, b *a* : b, bc, b *p* : b, bc *n*.
22	St-Cu.	Nb:A-Cu:A-St:Ci.	St-Cu.	9	10	9	7	3	0	j	i	i	j	k	k	...	●^{0}	...	...	...	...	c, o ● *a* : bc q p ●^{0} *p* : bc, b *n*
23	St-Cu:Ci.	Cu:A-Cu.	Cu-Nb.	1	2	1	2	0	0	k	k	l	l	k	k	...	...	...	...	...	...	b⊔, b y *a* : b y *p* : b *n*.
24	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	---	5	0	0	0	0	0	j	k	k	l	k	k	...	...	...	...	...	...	b, bc p ●^{0} ▲^{0} ✱^{0} *a* : b q *p and n*.
25	---	A-Cu:A-St.	A-St.	0	1	6	10	10	10	k	k	i	G	G	G	...	...	...	...	●^{0}	●^{0}	b⊔, bc *a* : bc, c ●^{0} *p* : o d ● *n*.
26	Nb:Cu-Nb.	St:St-Cu.	Cu:St-Cu:A-Cu:A-St.	8	5	3	4	7	9	j	k	k	k	k	j	...	...	...	...	...	●^{0}	c, bc q *a* : bc q p ●^{0} *p and n*.
27	Cu:St-Cu.	Nb:Cu-Nb:Ci-St.	Nb:Cu-Nb.	8	9	9	8	8	8	k	i	j	j	j	j	...	●^{0}	●^{0}	...	▲^{0}	...	bc, c ●^{0} [illegible] *a* : c q ●^{0} ▲^{0} *p* : c p ▲^{0} *n*.
28	Cu:St-Cu:A-Cu.	A-Cu.	A-Cu:Ci:Ci-St.	6	7	9	8	3	0	k	j	i	i	i	F	...	...	...	...	...	...	c, bc⊔ *a* : bc, c *p* : bc, b *n*.
29	A-Cu:Ci.	Fr-St:St-Cu:A-Cu.	Nb:St-Cu:A-Cu:A-St.	2	8	8	8	8	7	k	k	k	j	i	H	...	...	...	...	●^{0}	...	b q, c q *a* : c q, c ●^{0} *p* : c ●, bc *n*.
30	St-Cu:A-Cu:Ci-St.	A-Cu:Ci:Ci-St.	A-Cu.	6	8	5	6	3	0	H	H	F	F	G	j	...	...	...	...	...	...	bc⊔, c *a* : bc *p* : bc, b *n*.
Mean Cloud Am'nt.				6·4	7·0	6·4	6·3	5·3	4·7													

166. Aberdeen. **December. 1932.**

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-Cu.	Cu-Nb:Ci.	A-Cu:Ci.	6	5	0	3	2	0	H	j	l	i	i	H	...	...	...	...	...	...	c ●, bc *a* : b, bc *p* : bc, b *n*.
2	Nb.	Cu.	A-Cu:A-St.	9	10	0	5	8	8	H	H	k	k	j	j	●^{0}	●^{0}	...	...	...	...	c ●^{0}, b *a* : b, bc, c *p* : c ●^{0}, b *n*.
3	Cu:St-Cu:A-Cu:A-St	Cu-Nb:A-Cu:Ci.	Nb:Cu-Nb:A-Cu.	6	8	3	4	6	6	j	i	j	j	j	j	...	...	...	...	...	...	bc c p ✱^{0} *a* : bc p ✱^{0} *p* : bc *p* ✱^{0} *n*.
4	Cu:St-Cu.	Cu:St-Cu:A-Cu:A-St.	A-Cu.	7	7	9	8	2	7	k	k	k	k	H	i	...	...	...	...	...	...	bc, c *a* : c, bc, b *p* : b, bc *n*.
5	Cu-Nb:St-Cu.	Cu-Nb.	St-Cu.	7	6	0	2	1	0	k	j	l	k	j	j	...	...	...	...	...	...	bc p ●^{0} *a* : bc, b *p* : b *n*.
6	Cu:St-Cu.	St-Cu.	St-Cu.	4	8	4	9	8	8	j	j	j	k	k	k	...	...	...	...	...	...	bc p ✱^{0} *a* : bc, c *p* : bc, c *n*.
7	St-Cu.	Cu:St-Cu:A-Cu.	Cu-Nb:St-Cu.	6	5	4	5	8	8	k	i	j	k	k	k	...	...	...	✱^{0}	●^{0}	...	bc p ✱^{0} *a and p* : c p ●^{0} *n*.
8	Nb:Cu-Nb.	Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	9	2	6	9	9	9	j	j	i	i	j	j	...	...	...	...	●^{0}	...	c d ●^{0}, bc *a* : bc c ●^{0} *p* : c ●^{0} *n*.
9	Cu:St-Cu.	Cu-Nb:St-Cu.	Nb:Cu-Nb.	2	7	8	9	10	9	j	j	j	i	i	i	...	...	...	●^{0}	●^{0}	●^{0}	bc p ●^{0} ✱^{0} *a* : c ●^{0} *p and n*.
10	Nb:Cu-Nb.	Cu-Nb:St-Cu.	St-Cu.	9	9	8	9	9	9	H	H	k	k	j	k	●^{0}	●^{0}	...	●^{0}	...	...	c d ●^{0} *a*, *p and n*.
11	St:St-Cu.	St-Cu.	St-Cu.	10	10	9	9	9	9	k	k	k	k	k	k	●^{0}	...	...	...	...	...	c d ●^{0}, c *a* : c *p and n*.
12	St-Cu.	St-Cu.	St:St-Cu.	10	10	10	10	10	10	k	k	i	i	j	j	...	...	...	...	...	...	c throughout.
13	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	10	10	10	j	H	H	H	i	i	...	...	...	...	...	●^{0}	c, c g *a* : c *p* : c o d ●^{0} *n*.
14	A-Cu.	Fr-St.	St-Cu:A-Cu.	8	9	8	2	3	7	i	G	G	G	G	H	...	...	...	...	...	...	c *a* : c, b *p* : bc, b *n*.
15	St-Cu.	St:St-Cu.	St-Cu.	9	10	4	0	0	0	j	j	k	k	j	j	...	●^{0}	...	...	...	...	c d ●^{0}, bc *a* : bc, b *p* : b, bc *n*.
16	Nb.	St:St-Cu:A-St.	A-Cu:A-St.	10	10	10	10	3	0	j	j	j	j	j	j	●^{0}	...	...	...	...	...	c, od ●^{0}, c *a* : c ●^{0}, bc *p* : bc b ⊓ *n*.
17	Nb.	Fr-St:A-Cu:A-St.	Fr-St:A-St.	9	2	8	9	8	6	j	j	j	j	j	j	●^{0}	...	...	●^{0}	...	...	c ●, bc q *a* : c q ●^{0} *p and n*.
18	A:Cu:A-St.	St.	Nb.	9	9	10	10	10	8	j	j	G	G	F	i	...	...	●^{0}	●	●	...	bc q, c *a* : c o ● *p* : o d ●^{0} c q *n*.
19	St:St-Cu:Ci:Ci-St.	Nb:A-St.	Nb.	10	8	10	10	10	10	i	i	H	G	G	G	...	...	●^{0}	●	●^{0}	●^{0}	c ⊓ q, c ●^{0} *a* : c o ● g *p* : o ●^{0} *n*.
20	Nb.	St-Cu.	St-Cu:A-St.	10	10	9	9	8	8	i	j	k	k	j	j	●	●^{0}	...	...	...	●^{0}	o ●, c *a* : c *p* : c ● *n*.
21	Nb.	Nb.	St.	10	10	10	10	0	5	G	G	H	G	j	j	●^{0}	●	...	...	...	...	o ● *a* : o, bc, b *p* : b, bc *n*.
22	St:St-Cu.	Cu:St-Cu:A-Cu.	---	8	8	2	1	0	0	j	j	j	H	i	F	...	...	...	...	...	...	c ●^{0}, bc, b *a* : b *p* : b, bc, c *n*.
23	Nb:A-St.	Nb:A-Cu:A-St.	Nb:A-St.	10	9	9	9	9	4	H	i	i	i	i	i	●^{0}	...	●^{0}	...	...	...	c q ●^{0} *a* : c q ●^{0}, c *p* : c, bc, bq *n*.
24	A-Cu.	St-Cu.	---	2	0	2	5	0	0	j	i	i	i	H	H	...	...	...	...	...	...	b *a* : b, bc, b *p* : b *n*.
25	A-Cu.	Ci.	---	1	1	0	0	0	0	i	i	H	H	j	j	...	...	...	...	...	...	b ⌓, b *a* : b *p and n*.
26	---	A-Cu:Ci.	A-Cu.	0	0	1	2	0	2	j	D	j	i	G	G	...	...	...	...	...	...	b⊔ f, b *a* : b *p* : b, bc *n*.
27	St:St-Cu.	St-Cu:Ci-St.	A-St.	8	10	8	7	3	7	j	i	i	G	F	F	...	...	...	...	...	...	bc, c ●^{0}, c *a* : c, bc m c *p and n*.
28	A-St.	Fr-Cu:A-Cu.	A-Cu:A-St.	9	9	9	9	5	3	j	i	i	H	H	j	...	...	...	...	...	...	bc, c *a* : c, bc *p* : bc, cq *n*.
29	St:St-Cu.	St:St-Cu:Ci.	Fr-St:A-Cu:A-St.	10	10	8	10	10	9	j	i	H	H	H	H	...	...	...	...	...	...	c q, c *a* : c, c ●^{0} *p* : c ●^{0} qc *n*.
30	St-Cu.	A-Cu:A-St.	A-St:A-Cu.	9	9	10	10	10	5	H	H	i	G	F	G	...	...	...	...	...	...	c *a and p* : c, bc *n*.
31	---	Fr-St:A-St.	Fr-St:A-St.	0	6	9	9	10	10	H	G	H	i	i	H	...	...	...	...	...	●^{0}	b⊔, bc, c *a* : c ●^{0}, c *p* : c o ●^{0} *n*.
Mean Cloud Am'nt.				7·3	7·3	6·4	5·9	5·8	5·7													
Mean Annual Cloud Am'nt.				7·0	7·3	7·0	6·9	6·6	6·1													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

M.O. 360
(Eskdalemuir)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valentia Observatory), and Richmond (Kew Observatory), 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
1934

ESKDALEMUIR OBSERVATORY.

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 Tube Anemograph	250

"Heights in metres above ground"

Thermometer Bulbs	0·9
Sunshine Recorder	1·5
Dines Tube Anemograph	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 earliestyears Milne, Wiechert, Omori, and Galitzin seismographs were in operation at Eskdalemuir, but seismological observations ceased in Octobor, 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 assummed 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 Laboratory, 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 kilometres) 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) 2,200 feet (670 metres) above M.S.L. Rather more than half a mile (0·8 km.) to the west, and beyond Davington Burn, the ground rises to 1,040 feet (317 m.), and reaches nearly 1,200 feet (366 m.) half a mile (0·8 km.) further on. To the south and south-south-east the Observatory commands a view of the White Esk Valley as far as Hart Manor, 4 miles (6½ km.) distant, and beyond that the upper slope of Cauldkine Hill, about 10 miles (16 km.) distant, is visible. The surrounding country is bare and wild and there are but few trees to relieve the monotony of the grass-covered hills and moorland.

Within the Observatory grounds the soil is peaty and in many places is more or less boggy at all seasons. Some two feet, or less, below the surface a clay-like substance containing soft rock is encountered. The local geological formation is described as "rock of the Tarannon Llandovery series traversed by igneous dykes."

Photographs, site plan, and a brief description of the Observatory will be found in the Introduction to "The Observatories' Year Book," 1928.

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.

The standard Fortin barometer was at the makers for repair until July 27th and the former standard Kew pattern mercury barometer was used as standard throughout the year. Its position was close to that of the Fortin barometer in the north-west ground floor room which has a small daily range of temperature.

To ascertain the effect on the Kew barometer of tapping it before taking readings, a comparison was instituted between the Kew and the Fortin barometers as soon as the latter was returned from repair. The barometers were read six times a day, and on alternate days the Kew barometer was tapped before reading, while on the other days it was not tapped. The mean differences for more than 300 observations were:

	Kew - Fortin.
Kew barometer tapped	$+0{\cdot}09_6$ mb.
Kew barometer not tapped	+0·04 mb.

Thus the Kew barometer reads slightly higher than the Fortin, the mean effect of tapping the Kew barometer being to increase the difference by $0{\cdot}05_6$ mb. The magnitude of the tapping effect depends on the barometric tendency as is shown by the following analysis of the observations. The figures in brackets denote the numbers of readings.

	Difference (Kew - Fortin).		
	Bar.rising.	Bar.steady.	Bar. falling.
	mb.	mb.	mb.
Kew barometer tapped	+0·08(41)	+0·09(94)	+0·13(30)
Kew barometer not tapped	-0·02(34)	+0·06(90)	+0·09(15)
Difference(tapped-not tapped)	+0·10	+0·03	+0·04

As may be expected the Kew barometer lags behind the Fortin, the difference being greater when the barometer is rising than when it is falling. This may be accounted for by the meniscus of the mercury in the Kew barometer tending to flatten-out when the level is falling fairly rapidly.

The photographic mercurial barograph is situated in the east room of the underground magnet house. The daily range of temperature to which the instrument is subject is normally less than 0·05°C., the annual range being about 4°C. The scale value of the records is 1 millimetre on the paper = 0·85 millibar, and the time scale is 9·1 millimetres on the paper = 1 hour.

As in former years, records of pressure were also obtained from (a) a Dines float barograph[1], and (b) a Richard barograph, pen recording, the records of which are changed weekly.

"Temperature."— The photographic thermograph and the standard mercurial thermometers, dry bulb and wet bulb, are situated in a wooden hut, provided with louvred sides and double roof, which is some 200 feet (60 m.) north-north-east of the main building. The installation is similar to that de-

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

scribed on p.10, except that a special enclosure is provided inside the hut to accommodate the optical and photographic arrangements.

The scale values of the thermograph records are 1° A. = 3·064 mm. and 2·438 mm. on the paper for the dry and wet bulb records respectively, while the time scale is 1 hour = 9·250 mm.

Auxiliary records of temperature are obtained from one or more instruments of the bimetallic type described in the "Meteorological Observers' Handbook". These instruments are situated in the hut which contains the photographic thermograph.

"Humidity."—In addition to the dry and wet bulb thermograph described above there is a Richard hair hygrograph which is situated in the louvred hut.

As is stated in the General Introduction, the records from this instrument are utilised when the wet bulb reading does not exceed 273°A. On the records obtained in 1932 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.

"Rainfall."—The recording instrument is a Beckley self-registering rain-gauge, which is described on page 11. 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.

Until May 14 and again after November 8, 1928 auxiliary autographic records of precipitation were obtained by means of a Hellman-Fuess snow-gauge. In the former period the exposure of the instrument was as described on p.142 of "The Observatories' Year Book," 1927. Since then the gauge has been in a somewhat deeper pit 8 feet (2·4 m.) wide and almost due north of the 8-inch standard gauge, the pit being surrounded by a low wall of earth and turf-the top of the wall being approximately level with the rim of the gauge. The records so obtained are used only in the event of failure or uncertainty of the Beckley autographic record.

"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 effected 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 is given of the function (p/p_0) sec Z, in which p is the barometric pressure at the observatory in millibars at the time of the observation, p_0 is 1000 millibars, and Z is the zenith distance of the sun. This affords a measure 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 tube anemograph, 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.

The anemograph vane in use throughout 1932 was introduced in August, 1925. It differs from that formerly in use in that the greatest dimension of the fin is vertical instead of horizontal, and that the cross-section of the fin is of aerofoil shape. A twin-lever direction recorder has been in use since June, 1925. In this instrument a pen is carried by each of two pivoted arms, upper and lower. A projection from each arm engages with a flange of a dual helix cut in a short cylinder (of vertical axis) which rotates with the vane, being connected thereto by a steel tube 1·5 cm. in external diameter.

Apart from the surrounding hills, the exposure of the vane-head is tolerably free in all directions save to the west where at a distance of some 130 feet (40 m.) is a rather large building, of which the height is somewhat greater than that of the main building. With winds from nearly due west the direction records show markedly greater turbulence than with other winds.

"Earth Temperature."—Readings have been made at 9h G.M.T. of the earth temperature at nominal depths of one foot and four feet below the surface of the grass lawn a few yards south of the thermometer hut. The thermometers and the method of exposure are of the standard type described in the "Meteor-

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[1]For descriptions see "The Observer's Handbook", 1921 ed., Meteorological Office, London; "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.

ological Observers' Handbook". The depths of the thermometer bulbs below the grass-covered surface of the ground are 30cm.(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 (4 cm) 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 observation, 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 Finglandshiel, 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) White wooden post	25 yards	NE.
	(ii) Twigs on trees nearest the boundary wall in front of the main building	25 "	S.
	(iii) 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 water 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)	2½ miles	SSE.
I	Hart Manor	4 "	SSE.
J (j)	(Cauldkine Hill, 1,478 feet, near Westerkirk; not clearly visible)	10½ "	SSE.
K (k)	(Cauldkine Hill, 1,478 feet, near Westerkirk; plainly visible)		
L (l), M (m)	No objects available		

Note:—The descriptions of auxiliary objects and guide criteria are given in brackets.

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1932.

Standard Barometer — (Kew pattern Barometer)	M.O.	1320
Standard Dry Bulb Thermometer	M.O.	19123
Standard Wet Bulb Thermometer	M.O.	1695
Hair Hygrograph	M.O.	59
Recording Beckley Rain-gauge		4
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 Tube Anemograph	M.O.	1032
Grass Minimum Thermometer	M.O.	23002
Earth Thermometer, 1 Ft.	M.O.	24009
" " 4 Ft.	M.O.	4

CORRECTIONS TO INSTRUMENTS IN USE IN 1932

The corrections to the instruments in use during 1932 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 purposes of reference.

Kew pattern Barometer, M.O. 1320, July 14, 1931.*

at	920	940	960	980	1000	1020	1040	1060	mb.
	-0·4	-0·3	-0·2	-0·1	-0·1	-0·0	+0·1	+0·1	

attached thermometer: + 0·1 at 290° A.

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

* These corrections, if applied to readings of the barometer, would bring the readings into agreement with the atmospheric pressure, provided the instrument were at a temperature of 273°A. (0°C.) and in latitude 45°.

Grass Minimum Thermometer, M.O. 23002 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. In remained in use throughout 1932.

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 adoption of such corrections for a Kew pattern barometer, although technically incorrect, would not lead to appreciable systematic error in actual practice. The table of corrections to the barometer readings on this account for various readings of the attached thermometer is as set out in "The Observatories' Year Book," 1928.

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 follow:-

at reading of	900	920	940	960	980	1000	1020	1040	mb.
Correction	+·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 1926, unless otherwise stated.

"Pressure".—As was the case throughout the British Isles the mean pressure for the year was above normal, the increase being 1·7 mb. Considerable deviation occurred among the individual months, and the increase was due chiefly to the decidedly high mean pressures of February, June and August. The extreme instantaneous values recorded were 1018·6 mb. on January 26, and 948·0 on January 6. The greatest and least mean daily values are 1017·6 mb. on January 26, and 952·2 on January 10. The largest value of the range during a calendar day is 30·8 on November 27. The mean value of the absolute daily range of pressure varies between 10·9 mb. in October, and 4·0 mb. in June. The annual mean value of the daily range is a little below normal.

"Pressure (Diurnal Variation)".—In the mean diurnal inequality for each month except January there are two maxima, in the late forenoon and usually an hour or two before midnight, and two minima, in the early forenoon and afternoon. In all months, except January, February and November, the night maximum of the representative inequalities for the years 1911-20 is the larger. In 1932 the principal maximum occurred at night in all months, except January, February, March and October. The principal minimum in the representative inequalities is in the afternoon except in February, March, August and November, but in 1932 the principal minimum falls in the early forenoon in April, July, August, September, October and December. Compared with the mean diurnal inequality for 1911-20 (1) the values of the mean inequality for the year 1932 are algebraically greater from 9h to 22h and less from 23h to 8h. In other words, relatively speaking, in 1932 the afternoon trough is diminished, while the forenoon and night crests and the early morning trough are enhanced.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1932 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 coefficients for 1932 the unit employed was ·001 mb. Although for 1932, 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 January, October and November, low for February and August. The value of c_2 for the equinox is nearly equal to the corresponding normal, those for summer, winter and year being

(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. I, No. 210, April, 1924.

higher. The variation 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, a_n in the series $c_n \sin(15nt + a_n)$, 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	
	1932	1911-20	1932	1911-20	1932	1911-20	1932	1911-20	1932	1911-20	1932	1911-20	1932	1911-20	1932	1911-20
	mb.	mb.	°	°	mb.	mb.	°	°	mb	mb.	°	°	mb.	mb.	°	°
Jan.	·50	·094	315	346·4	·28	·235	139	151·6	·11	·125	5	345·3	·08	·046	210	213·9
Feb.	·06	·118	283	215·1	·33	·273	150	138·1	·12	·083	339	341·2	·03	·042	108	67·7
Mar.	·10	·128	62	185·3	·41	·304	154	145·3	·03	·053	12	335·0	·04	·051	18	24·5
Apr.	·18	·205	133	92·3	·25	·299	151	154·8	·03	·022	107	156·3	·06	·045	353	355·7
May.	·15	·225	68	52·7	·29	·270	153	147·4	·08	·075	159	160·1	·03	·035	319	330·1
June.	·15	·152	45	53·9	·26	·234	141	146·1	·08	·084	167	160·6	·03	·018	311	325·7
July.	·22	·171	125	69·4	·26	·211	145	141·2	·08	·077	139	155·8	·04	·023	318	300·0
Aug.	·04	·114	122	114·6	·32	·239	151	147·7	·04	·057	135	157·2	·07	·047	327	330·8
Sept.	·28	·121	124	87·7	·30	·313	147	151·6	·02	·012	82	110·7	·05	·050	337	344·7
Oct.	·43	·110	227	76·0	·29	·315	168	159·5	·08	·060	47	8·2	·04	·041	32	32·9
Nov.	·41	·125	116	183·5	·27	·242	168	168·1	·12	·101	356	9·2	·01	·015	58	146·2
Dec.	·26	·137	170	97·1	·24	·213	148	146·9	·12	·124	359	4·2	·05	·067	188	212·8
Arithmetic Mean	·23	·142	...	...	·29	·262	...	...	·08	·073	...	...	·04	·040	...	...
Year	·068	·085	134	90·8	·288	·260	151	150·1	·030	·020	38	41·7	·017	·016	327	341·9
Winter	·015	·038	187	165·4	·274	·236	151	150·9	·113	·106	355	355·5	·032	·023	187	189·1
Equinox.. ..	·135	·108	166	103·9	·311	·306	155	152·8	·037	·021	56	4·4	·045	·044	2	8·9
Summer	·116	·153	88	67·2	·279	·238	147	145·8	·069	·074	150	158·5	·040	·030	319	324·3

Note.—"Winter" comprises the four months January, February, November, December.

"Equinox" the months March, April, September, October.

"Summer" the months May to August.

"Temperature".—The mean temperature, 280·19°A. (44°·9F.) for the year 1932 is slightly higher than the normal value. The extreme temperatures recorded during the year were 298·7°A. (78°·3F.), on August 11 and 264·9°A. (17°·4F.), on January 26 and March 12. January 26 with mean daily temperature of 270·9°A. (28°·2F.) was the coldest day of the year. According to the mean daily temperature August 11 with 291·2°A. (64°·8F.) was the hottest day of the year. The minimum temperature was 273·0°A. (32°·0F.), or less, on 108 days, 66 being in the first four months of the year. There was only one "ice-day" i.e., a day with maximum temperature below 273·0°A.

The values of the absolute range of temperature within a calendar month vary between 24·8°A. (44°·6 F.) in August and 13·5°A. (24·°·3F.) in December.

"Humidity".—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 1932 are - 5 in April and June, and + 2 in January, July and December. The mean relative humidity 82·9 per cent., for the year, is less than that for the years 1911-25, whilst the mean vapour pressure, 8·4 mb. is slightly greater than the mean for the years 1922-31. The extreme daily mean values of relative humidity and vapour pressure were 98·5 per cent. on January 20 and 23, 51·8 per cent. on April 26, 17·2 mb. on July 9, 4·2 mb. on March 8. The lowest hourly reading of relative humidity was 29 per cent. on April 27 and June 16.

"Precipitation."—1932 was the second wettest year experienced since records commenced, the total amount of rainfall, 1811·4 mm. (71·31 in.), being 14·8 per cent. more than the mean for the period 1911-31. The most outstanding months were December with 339·5 mm. (13·37 in.) and January with 309·2 mm. (12·17 in.). The driest month was February with 4·6 mm. (0·18 in.) or 3 per cent. of normal. This was the driest month on record. The greatest amount recorded during a calendar day was 65·4 mm. (2·57 in.) on December 17. This fall exceeded the record of 63·8 mm. on November 3, 1931. There were 149 days on which either no precipitation was recorded or in amounts too small to be measured, Precipitation amounting to 0·2 mm. or more was recorded on 217 days; to 1·0 mm. or more on 171 days; to 20·0 mm. or more on 24 days.

Snow or sleet fell on 57 days, but on no day from May 25 to October 9 inclusive. Observations of "snow lying" at 7h number 14, 5 of which were in March and 4 in April. There were no large falls of snow.

"Sunshine."—The year's total duration of bright sunshine, 1157·7 hr. represents 26 per cent. of the theoretically "possible" duration; whereas the average percentage of "possible" for the years 1911-31 is 26·8. As regards the percentage of "possible" February was the sunniest, and November and December the least sunny months of 1932. In all, there were 84 days without sunshine, 17 of these being in January, and 16 in December, and 80 days with 50 per cent. or more of the "possible" sunshine. The day with most sunshine was June 16, with 15·4 hr. January 30 with 7·9 hr. (94 per cent.) represents the highest value of the percentage of "possible" sunshine.

"Wind."—The mean speed for the year, 5·1 m/s (11·4 mi/hr) was equal to the normal. In comparison with the normal values for individual months the mean speeds for January and December exhibit the most considerable excess, and those for February and March the greatest relative deficiency. There were 72 hours of gale force (mean speed greater than 17·1 m/s), 42 being in January and 29 in December. The highest gust of the year, 31 m/s (70 mi/hr) occurred on January 13, the highest hourly speed, 21 m/s (47 mi/hr) on January 16, and highest mean daily speed, 17·9 m/s (40·0 mi/hr) on December 17. The quietest day was November 19, with a mean speed of 0·7 m/s.

The predominant direction of the wind was between south and south-west in the six months January, July, August, September, November and December, while in February, May and June it was northerly. February was conspicuous by a dearth of winds from a westerly direction. In March, April and October there was no outstanding wind direction.

"Grass Minimum Temperature".—There were 116 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 22 and August 24. The lowest grass minimum temperature was 262·1°A. (12°·4 F.) on February 15. The mean grass minimum temperature for each of the months February, March and April is less than 273·0°A. (32°·0 F.).

"Cloud and Weather".—(A) The mean amount of cloud observed at the six hours of observation is 7·6, which is about the normal. August has the largest mean amount, 8·6, and February has the smallest, 6·2. The largest mean amount for an observational hour is 9·0 at 7h in August; the least is 5·6 at 21h in February. For the year as a whole there was most cloud at 13h and least at 21h. In ten months the mean cloud amount was least at 21h, and in six months it was greatest at 7h. There were no days throughout the year on which no cloud was seen at the normal hours of observation. On 53 days the amount 10 was recorded at every hour of observation.

(B) Thunder was heard on 9 days, while there were observations of solar halo on 10 days, of lunar halo on 2 days, and of aurora or auroral glow on 11 days.

(C) The numbers of occasions on which the range of visibility was estimated to be (1) not greater than 500 metres (550 yards), corresponding with the entries X to E, and (2) at least 20 kilometres (12½ miles), corresponding with the entries k, l, m, are summarized below. The limitations to which the estimates of visibility are subject are mentioned on p. 155. It is to be noted that the group (1) above consists of the occasions which are held to merit the description as "fog, moderate, thick, or dense", while the entries k, l, m, denote "very good or excellent visibility".

There were fewer occasions of fog and more of estimates k, l, and m than in 1931. Fog was most frequent in January and December, but entirely absent (at the standard hours of observation) in April and June. There were 102 estimates of m, visibility 50 km. (31 mi) or more, distributed among 50 days. 57 of the occasions were associated with increasing barometric pressure, and 77 with winds from west-south-west through north to north-east.

1932	NUMBER OF OCCASIONS OF—													
	VISIBILITY X TO E							VISIBILITY k, l, m.						
	7h	9h	13h	15h	18h	21h	Total	7h	9h	13h	15h	18h	21h	Total
Jan.	3	-	1	2	3	4	13	8	10	9	9	4	6	46
Feb.	-	-	-	-	-	1	1	17	18	23	21	17	15	111
Mar.	1	-	-	-	-	2	3	17	19	21	22	15	15	109
Apr.	-	-	-	-	-	-	0	21	21	19	25	23	19	128
May.	1	-	-	-	-	-	1	16	18	20	22	21	16	113
June	-	-	-	-	-	-	0	19	23	23	26	26	21	138
July	-	-	-	-	-	2	2	15	18	20	23	25	15	116
Aug.	1	-	-	-	-	-	1	14	19	25	25	19	15	117
Sept.	1	1	-	-	-	1	3	14	14	20	21	20	15	104
Oct.	1	2	-	-	-	-	3	16	16	22	24	13	13	104
Nov.	1	-	-	-	-	1	2	8	9	13	15	10	6	61
Dec.	1	2	1	2	1	3	10	4	8	11	11	10	9	53
Year	10	5	2	4	4	14	39	169	193	226	244	203	165	1200

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. 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 2·2 volts per mm. until the end of September. Owing to readjustments to the electrometer, the scale value was reduced to about 2·07 volts per mm. from October 1 to the end of 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 1932 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 on a number of occasions during the year by means of a high tension battery, the potentials of which were measured by a potentiometer and standard cell. The calibration used for the determination of scale values of the electrograph and reduction factors throughout the year was the average of three calibrations, all in close agreement, made in February, March and April. According to the scale value adopted for the Wulf electrometer in 1932, the instrument was about 3 per cent. less sensitive than in 1931.

IDENTIFICATION NUMBER OF INSTRUMENT USED IN 1932.

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. daily commencing January 1, 1932; 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 has been done in previous years. 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 7 days of defective record when negative potential may have occurred dashes are entered; the sign of the gradient has been assumed positive during periods of defective record in which no precipitation was observed. If precipitation was recorded for less than an hour during such defective periods an approximate value of the duration of negative potential for that hour has been assigned, and the total for the day given in brackets. When, during highly oscillatory gradients, there was uncertainty as to the times of 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 359 days of assignable duration of negative potential gradient the total number of hours was 809·8 as compared with 760·8 in 1931; an average of 2·26 hours per day, as against 2·13 hours per day in 1931.

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 and 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 all months of the year, except January and February, and is exceeded by the mean value on Oa days, in all months. The general tendency is for the 1932 values to be lower than those of 1931, this being the case in seven 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 follow:—

	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

The highest value of the (a) mean occurs in March. The (b) mean is also high in March but the highest value is in February. The mean value of Oa days is highest in February, being 282 volts per metre.

Noteworthy occasions of high potential gradient were as follow:—

(i) March 6d 20h 15m to 7d 1h 0m. High potential gradient occurred during slight drifting snow, but with a clear sky. The gradient remained above 600 v/m and the upper limit of registration (900 v/m) was exceeded for about two hours. Previously the gradient had been high and oscillatory during snowfall.

(ii) March 9d 19h 40m to 10d 1h 18m. With snow lying and a clear sky, the potential gradient remained above 540 v/m, the upper limit of registration (950 v/m) being exceeded at times.

(iii) May 7d 17h 10m to 18h 45m. During rain followed by snow the upper limit of registration (1120 v/m) was exceeded during practically the whole period.

(iv) November 19d 21h 35m to 20d 1h 45m. This was a period of fog. The potential gradient remained above 600 v/m, the average for the entire period being about 850 v/m.

(v) November 30d 19h 15m to 21h 55m. During fog the potential gradient remained above 720 v/m, and exceeded 1080 v/m for nearly two hours.

(vi) December 13d 7h 20m to 17h 0m. With a partially clouded sky, fog developed towards the middle of the period. The potential gradient remained above 600 v/m, exceeding 1100 v/m at times.

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

(i) January 15d 18h 45m to 16d 3h 35m. During a period of continuous rain the potential gradient remained negative, the lower limit of registration (-860 v/m) being exceeded for a considerable part of the time.

(ii) October 21d 23h 55m to 22d 8h 45m. During considerable rain the lower limit of registration (-950 v/m) was exceeded for four hours.

(iii) October 30d 16h 50m to 23h 40m. The lower limit of registration (-950 v/m) was continuously exceeded for over three hours. Rain fell continuously at first, becoming intermittent later.

(iv) December 2d 1h 20m to 9h 5m. During a period of continuous rain the potential gradient remained below -950 v/m for an aggregate of 6 hours. The lower limit was exceeded continuously for a period of four hours twenty minutes.

(v) December 16d 7h 25m to 18h 5m. Continuous moderate rain fell at first and became heavy later. The potential gradient remained below -970 v/m for nearly seven and a half hours.

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

(i) January 1d 0h 45m to 6h 55m. Sleet fell early in the period changing to rain. Except for one very short excursion to +220 v/m during the rain, the potential gradient was negative and for most of the time was less than -820 v/m, the lower limit of registration.

(ii) January 2d 17h 25m to 3d 9h 30m. Rain fell continuously during this period and the potential gradient was negative throughout except for one momentary excursion to the positive side when the gradient reached +130 v/m. After 3d 9h 30m apart from several short periods of small positive potential gradient, negative potential gradient persisted until 16h 35m, rain falling continuously throughout.

(iii) January 9d 13h 40m to 10d 0h 5m. Apart from a short excursion to the positive side lasting 8 minutes during which the highest potential gradient reached was only +30 v/m, the gradient was below -840 v/m for nearly the whole period. Sleet fell early in the period changing to continuous moderate rain, and later to continuous heavy rain.

(iv) January 16d 18h 50m to 17d 4h 14m. Highly oscillatory for half an hour at the beginning the potential gradient remained negative with a mean value of about -800 v/m for nine hours, except for four brief excursions to the positive side. Continuous rain fell throughout.

(v) March 22d 1h 30m to 11h 45m. Rain fell continuously throughout. The continuity of negative potential was broken by a period of about thirty minutes duration, during which several excursions were made to the positive side, in one of which the gradient exceeded +1180 v/m. For an aggregate time of six hours the potential gradient was less than -940.

(vi) December 17d 16h 55m to 18d 3h 5m. This was a period of continuous negative potential gradient except for two short excursions to +50 v/m and +300 v/m respectively. Continuous rain fell throughout.

Although there are considerable irregularities in the mean diurnal inqualities of potential gradient on 0a days for individual months, the principal maximum is in the late evening in every case. The mean inequalities for the two seasons, winter and equinox, vary considerably from the normals for 1911-21. In the mean diurnal inequality for winter the chief feature is the increase in magnitude of the midday minimum, which is nearly equal to the principal early morning minimum. For the equinox the departure from normal consists of an increase in magnitude of both the early morning minimum and the late evening maximum. The summer inequality corresponds more nearly to normal, the minimum occurring at 13-14h and the maximum at 20-21h.

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

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

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 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 described 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 pro-

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[2]Terrestrial Magnetism, Vol. VI.

duced 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 by adjusting the position of a small control magnet which is fixed vertically to the lower part of the pier on which the balance stands.

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 9h 30m 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 1932, together with the mean values for the years 1911-1931, were as follow:—

EXCESS OF MEAN TEMPERATURE ABOVE 280°A.

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Mean 1932	3·2	2·8	2·2	2·1	2·3	3·3	4·7	5·8	6·3	5·8	4·7	3·7
Mean 1911-31.	3·5	2·9	2·5	2·4	2·8	3·6	4·7	5·7	6·3	6·2	5·5	4·5

The annual range of temperature during 1932 was 4°·3 C., the mean range for the previous nineteen years being 4°·2C.

The constants of the standard magnetographs were as follow:—

	Horizontal	Declination	Vertical.
Time scale .. .. .. 1 hour =	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 ..	14·3	10·9	7·5
Logarithmic decrement[1]	·385	·626	-
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	-	+26γ
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.

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 1932.

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 ..	4·60	4·60	4·60	4·60	4·60	4·60	4·60	4·60	4·60	4·60	4·60	4·60
Vertical Force ..	4·27	4·29	4·28	4·27	4·26	4·25	4·25	4·25	4·25	†4·25 3·85	3·80	3·80
Declination ..	1 mm. = 1'·00, or 4·82γ											

† 4·25 to 14-15 h on 24th October.
3·85 from 10-11 h on 25th October.

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 1932 the scale values of the Adie H and V records were approximately 10γ and 6γ 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.

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 in 1932 a determination of declination was made on nearly every week-day. Declination and horizontal force were determined by means of the Kew pattern unifilar magnetometer (which was employed by Rücker and Thorpe in their magnetic surveys of the British Isles, 1886-1892) placed on Pier No. 5. Determinations of inclination (dip) are made by means of the Schulze inductor placed 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 the horizontal intensity comprises observations of (a) the time of vibration of the collimator magnet, and (b) the deflection of a mirror magnet by the collimator magnet. Usually deflection observations are made for three distances of the collimator magnet, the order of the positions of the latter being: on east arm at 35 cm., 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 are very nearly, if not exactly, identical and the observations are 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

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

of the mean values for each of the years 1917-24, 1917-25, etc. The value employed for 1932 is ·00542. The mean value of the logarithm for the years 1917-32 is ·00544. If this value had been employed in 1932 instead of ·00542, the published values of H and V would be increased by 0·4 and 1·0γ respectively. 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 follow:—

Year.	P.	Q.	$\log_{10}(1 + P/25^2 + Q/25^4)$.
1917	+ 6·862	+ 418·9	·00520
1918	+ 7·604	+ 68·6	·00533
1919	+ 9·126	- 603·5	·00563
1920	+ 8·224	- 216·6	·00544
1921	+ 7·978	+ 25·3	·00554
1922	+ 6·607	+ 513·1	·00513
1923	+ 6·371	+ 614·3	·00508
1924	+ 7·899	- 128·6	·00531
1925	+ 8·214	- 261·7	·00538
1926	+ 9·675	- 938·4	·00564
1927	+10·422	-1265·0	·00580
1928	+ 8·713	- 547·2	·00541
1929	+ 9·741	- 917·4	·00571
1930	+ 8·683	- 536·5	·00540
1931	+ 8·765	- 684·6	·00530
1932	+10·445	-1315·5	·00576

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 a horizontal scale respectively. The windings of the coil are led off from a commutator to a Broca galvanometer. To effect a determination of magnetic inclination, the coil is then rotated steadily at the rate of about 360 revolutions per minute and the inclination of the axis of rotation is adjusted until the galvanometer deflection is the same in magnitude and sign whether the sense of rotation is positive or negative. In this position the rotation axis of the coil coincides with the direction of the earth's field and the inclination to the horizontal may be read off from the vertical circle. Two series of settings are made, one with the vertical circle facing east, the other with the circle facing west.

The base line values of the magnetograph records are deduced from the results of the absolute observations, any of the latter obtained during times of considerable disturbance being excluded.

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[1] For descriptions of, and discussion of method of observation with, earth inductors see papers by—

H. Wild. Met. Zeit., 1895, p. 41.

O. Venske. Ber. über die Tät. des Preuss. Met. Inst. in 1924, p. 91 (and references given therein).

N.E. Dorsey. Terr. Mag., Vol. 18, p. 1, 1913.

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, and the values of m, the moment of collimator magnet 60a, are also given. 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, the entry 15823 (18) signifies:—deduced base line value 15823, adopted base line value 15818. 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.

Eskdalemuir **1932.**

Date	Declination		Inclination		Horizontal Force			Base Line Values (deduced and adopted).		
	Mean Time.	D.	Mean Time.	I.	Mean Time.	H.	m.	H.	D.	V.
	h. m.	° ′ ″	h. m.	° ′	h. m.	γ		16,000 γ +	13° 0′ +	44,000 γ +
Jan. 8	9 37	14 27 0	9 20	69 43·5	11 46	16586	906·1	*979 (77)	†43′·5 (43′·3)	759 (812)
13	9 31	14 27 40	9 15	69 43·8	12 22	16593	906·1	*993 (77)	†42′·7 (43′·3)	764 (828)
15	12 51	14 31 13	9 15	69 45·0	12 3	16570	905·4	*976 (77)	†43′·5 (43′·3)	826 (34)
20	14 47	14 32 35	9 26	69 45·8	14 22	16586	905·3	275 (70)	52′·0 (52′·2)	864 (52)
22	12 13	14 30 10	11 15	69 44·0	11 47	16573	905·7	272 (70)	52′·2 (52′·2)	785 (-)
28	14 5	14 35 5	14 24	69 45·9	–	–	–	–	52′·8 (52′·6)	738 (80)
29	11 55	14 30 10	–	–	11 30	16546	905·4	259 (69)	52′·6 (52′·6)	–

* From West Room instrument 15,000γ +
† From West Room instrument

ABSOLUTE DETERMINATIONS— continued.

Date	Declination		Inclination		Horizontal Force			Base Line Values (deduced and adopted)		
	Mean Time	D	Mean Time	I	Mean Time	H	m	H	D	V
	h. m.	° ′ ″	h. m.	° ′	h. m.	γ		16,000 γ +	13° 0′ +	44,000 γ +
Feb. 5	12 43	14 31 23	9 18	69 46·9	12 15	16548	905·4	265 (67)	52′·4 (52′·6)	816 (730)
9	12 33	14 30 45	11 25	69 46·1	11 57	16535	906·3	263 (66)	52′·4 (52′·5)	719 (80)
12	9 43	14 28 45	9 16	69 44·4	12 23	16541	905·2	254 (66)	52′·5 (52′·5)	719 (80)
16	9 37	14 26 40	9 16	69 47·9	12 4	16568	905·5	267 (64)	52′·6 (52′·5)	836 (780)
19	9 37	14 25 33	9 15	69 44·4	12 4	16468	905·7	261 (64(	52′·6 (52′·5)	787 (79)
23	9 37	14 27 37	9 15	69 45·8	12 16	16580	905·2	265 (63)	52′·7 (52′·5)	782 (78)
26	9 37	14 26 43	9 15	69 45·7	11 59	16555	905·8	262 (62)	52′·7 (52′·5)	808 (777)
Mar. 11	9 37	14 26 15	9 18	69 46·6	12 27	16563	906·5	264 (60)	53′·0 (52′·6)	762 (72)
15	9 43	14 25 35	9 21	69 44·8	11 48	16566	905·2	259 (60)	53′·0 (52′·6)	759 (71)
18	9 39	14 27 33	9 18	69 45·1	12 11	16561	906·1	264 (60)	52′·2 (52′·6)	809 (770)
22	9 37	14 26 20	9 14	69 45·9	11 56	16566	905·3	264 (60)	53′·1 (52′·6)	775 (70)
24	9 35	14 24 45	9 14	69 45·6	11 16	16542	905·2	243 (59)	52′·7 (52′·6)	751 (70)
29	9 47	14 30 25	9 28	69 48·4	–	–	–	–	52′·7 (52′·7)	781 (72)
31	12 21	14 36 37	–	–	11 30	16506	905·0	256 (59)	52′·6 (52′·7)	–
Apr. 6	12 27	14 34 15	–	–	11 21	16544	905·2	249 (59)	30′·7 (30′·6)	–
8	9 33	14 24 47	9 13	69 47·5	11 11	16552	905·5	271 (59)	30′·8 (30′·6)	772 (75)
13	9 37	14 22 40	9 15	69 44·3	14 11	16581	905·7	254 (59)	30′·6 (30′·7)	764 (77)
15	9 37	14 23 35	9 18	69 45 9	11 43	16544	905·4	253 (59)	30′·8 (30′·7)	754 (78)
19	8 29	14 23 0	8 8	69 45·9	10 39	16557	906·1	258 (59)	30′·8 (30′·8)	803 (781)
22	8 35	14 24 0	8 9	69 45·6	10 39	16569	905·7	260 (59)	30′·9 (30′·8)	785 (82)
27	8 41	14 25 55	8 17	69 47·2	10 46	16552	905·6	258 (59)	30′·7 (30′·7)	784 (84)
29	8 41	14 25 0	8 21	69 46·4	10 35	16562	906·0	262 (59)	31′·0 (30′·7)	790 (85)
May 6	8 45	14 20 30	8 19	69 46·6	10 35	16538	906·3	269 (59)	30′·8 (30′·8)	779 (85)
10	8 35	14 22 53	8 15	69 45·0	–	–	–	–	30′·9 (30′·7)	762 (85)
11	10 51	14 27 27	–	–	10 26	16593	905·8	278 (60)	30′·5 (30′·7)	–
13	8 37	14 21 33	8 17	69 46·1	11 20	16570	906·6	273 (60)	30′·5 (30′·7)	790 (84)
17	8 43	14 27 0	8 23	69 47·1	10 49	16569	906·2	272 (60)	30′·4 (30′·0)	812 (784)
20	8 37	14 21 10	8 21	69 47·0	11 27	16554	905·3	269 (60)	30′·0 (30′·0)	807 (784)
June 2	14 51	14 27 23	–	–	15 40	16579	905·0	260 (61)	29′·2 (29′·9)	–
3	15 13	14 25 35	10 42	69 46·5	–	–	–	–	29′·4 (29′·9)	758 (80)
8	11 9	14 22 10	13 36	69 46·4	11 43	16556	905·3	255 (62)	29′·5 (29′·9)	802 (777)
14	13 33	14 27 55	–	–	11 0	16557	904·8	266 (62)	28′·5 (29′·9)	–
15	10 28	14 22 17	12 47	69 45·0	–	–	–	–	29′·0 (29′·9)	725 (70)
22	10 27	14 22 50	13 23	69 45·9	–	–	–	–	29′·6 (29′·8)	757 (63)
24	14 7	14 28 52	14 42	69 44·4	—	–	–	–	29′·1 (29′·8)	756 (61)
29	10 36	14 24 45	–	–	11 19	16565	905·1	267 (64)	28′·6 (29′·8)	–
July 7	14 22	14 28 27	–	–	15 39	16579	905·3	264 (66)	29′·0 (29′·7)	–
14	8 33	14 19 15	8 16	69 44·8	10 49	16566	906·1	289 (67)	28′·5 (29′·7)	695 (730)
19	8 39	14 20 55	8 21	69 45·3	–	–	–	–	29′·8 (29′·7)	687 (721)
20	8 33	14 18 50	8 15	69 45·9	10 41	16552	905·4	273 (69)	32′·8 (32′·8)	721 (20)
22	8 33	14 17 27	8 15	69 44·6	10 51	16539	905·5	266 (70)	32′·8 (32′·8)	703 (17)
26	11 7	14 24 10	14 0	69 44·9	10 49	16547	905·0	265 (71)	33′·0 (32′·8)	713 (12)
29	11 3	14 23 47	13 15	69 45·6	10 32	16547	905·8	281 (72)	32′·5 (32′·8)	713 (09)

ABSOLUTE DETERMINATIONS—continued.

Date	Declination		Inclination		Horizontal Force			Base Line Values (deduced and adopted)		
	Mean Time	D	Mean Time	I	Mean Time	H	m	H	D	V
	h. m.	° ′ ″	h. m.	° ′	h. m.	γ		16000 γ +	13° 0′+	44,000 γ +
Aug. 5	11 7	14 25 30	11 26	69 47·3	10 30	16524	905·6	289 (74)	32′·2 (32′·6)	718 (00)
10	9 5	14 19 43	8 47	69 46·0	11 51	16553	905·0	272 (75)	32′·8 (32′·6)	704 (695)
18	10 29	14 21 13	–	–	11 28	16547	905·1	273 (76)	31′·6 (32′·6)	–
23	13 59	14 27 45	–	–	14 25	16579	904·3	232 (77)	32′·5 (32′·6)	–
24	11 17	14 22 40	10 53	69 45·3	–	–	–	–	32′·4 (32′·6)	664 (77)
31	8 9	14 17 55	8 30	69 44·7	10 32	16554	906·2	294 (77)	32′·8 (32′·7)	619 (70)
Sept. 6	10 7	14 23 0	–	–	10 32	16539	905·2	266 (77)	33′·0 (32′·8)	–
7	8 17	14 20 10	8 37	69 45·3	–	–	–	–	33′·2 (32′·8)	631 (63)
9	8 23	14 18 30	–	–	11 1	16535	905·2	270 (77)	32′·5 (32′·8)	–
13	11 28	14 27 35	10 32	69 45·5	11 3	16559	906·1	283 (77)	32′·6 (32′·8)	689 (60)
16	11 53	14 28 35	8 20	69 45·0	11 28	16545	905·2	277 (77)	33′·0 (32′·8)	641 (60)
20	8 47	14 22 30	8 27	69 45·3	11 37	16542	905·9	273 (77)	32′·7 (32′·7)	589 (660)
23	8 49	14 21 25	8 30	69 45·5	11 2	16531	905·5	289 (77)	32′·6 (32′·7)	671 (60)
28	8 53	14 20 37	8 21	69 45·9	10 58	16558	905·9	275 (77)	32′·6 (32′·7)	723 (660)
30	8 35	14 20 25	8 15	69 44·8	10 23	16557	906·2	284 (76)	32′·8 (32′·7)	628 (60)
Oct. 7	9 37	14 17 50	9 21	69 44·9	12 26	16560	905·3	277 (75)	32′·6 (32′·6)	664 (60)
12	12 53	14 24 30	11 51	69 45·6	12 31	16562	906·4	278 (73)	32′·6 (32′·6)	692 (62)
14	9 37	14 17 40	9 11	69 44·5	11 35	16553	906·1	280 (73)	32′·6 (32′·6)	766 (663)
18	9 45	14 17 55	9 17	69 46·8	12 36	16538	905·1	264 (71)	32′·7 (32′·6)	728 (666)
21	9 39	14 21 13	9 19	69 48·1	12 5	16528	905·5	273 (70)	33′·2 (32′·6)	612 (68)
26	12 47	14 23 50	11 45	69 46·2	12 25	16535	905·6	269 (68)	32′·7 (32′·7)	695 (97)
28	9 47	14 18 10	9 17	69 45·4	12 27	16550	905·3	264 (67)	32′·7 (32′·7)	689 (702)
Nov. 2	12 43	14 23 0	10 42	69 44·5	11 32	16512	905·4	258 (65)	32′·8 (32′·7)	629 (713)
8	9 57	14 17 40	9 30	69 45·0	12 23	16546	904·8	258 (63)	32′·5 (32′·7)	694 (724)
11	9 47	14 17 47	9 15	69 45·8	11 51	16559	905·5	266 (63)	32′·5 (32′·7)	759 (30)
14	12 3	14 25 25	11 35	69 44·9	–	–	–	–	33′·0 (32′·7)	713 (34)
15	14 12	14 20 40	–	–	12 7	16541	905·5	259 (62)	32′·8 (32′·7)	–
16	–	–	13 0	69 46·9	–	–	–	–	–	762 (38)
18	9 47	14 19 20	9 16	69 45·5	11 43	16549	905·6	258 (62)	32′·8 (32′·7)	722 (40)
23	12 11	14 21 30	–	–	11 25	16560	905·9	262 (61)	32′·6 (32′·7)	–
25	12 57	14 20 30	12 43	69 45·9	12 3	16582	906·0	271 (61)	32′·6 (32′·7)	809 (749)
30	9 43	14 19 50	9 11	69 45·7	12 37	16575	906·3	263 (59)	32′·7 (32′·7)	782 (54)
Dec. 2	11 31	14 19 15	–	–	10 41	16560	905·6	261 (59)	32′·0 (32′·7)	–
7	12 25	14 21 50	11 7	69 46·1	11 38	16563	905·5	254 (57)	32′·9 (32′·7)	793 (61)
9	12 23	14 20 25	11 11	69 46·2	11 41	16541	905·4	257 (56)	32′·6 (32′·7)	739 (63)
13	15 27	14 23 45	14 53	69 46·3	–	–	–	–	32′·4 (32′·7)	796 (67)
14	11 41	14 23 10	–	–	11 5	16565	906·2	255 (53)	32′·7 (32′·7)	–
19	9 17	14 17 45	9 16	69 45·0	9 57	16556	906·1	247 (51)	32′·5 (32′·7)	735 (72)
20	9 33	14 18 30	9 15	69 45·8	–	–	–	–	33′·6 (32′·7)	778 (72)
23	12 53	14 21 25	12 9	69 44·7	12 33	16555	905·9	242 (49)	32′·6 (32′·7)	734 (74)
26	11 3	14 19 30	9 53	69 44·7	10 38	16550	905·3	239 (48)	32′·6 (32′·7)	752 (76)

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 1932.

Unifilar Magnetometer, Kew pattern (with collimator magnet, 60a, and mirror magnet, 60c).	..	Elliott, No. 60.
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 according to the expression

$$x = (x_1 + x_2 + ... + x24) /24.$$

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 previous volumes of The Observatories' Year Book 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:

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

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

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

in which δD and δI 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 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 $\Sigma(a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$ and $\Sigma c_n \sin(15nt^\circ + \alpha_n)$. In the former series t is reckoned in hours from midnight G.M.T., whilst the published values of α_n refer to Local Mean Time. The values of the harmonic coefficients have been computed from the inequalities as given in the tables and have been corrected, where necessary, on account of the fact that the hourly values are not instantaneous but mean values. The factors by which the coefficients have to be multiplied (vide Report of the British Association, 1883, p. 98) are 1·00286 for a_1, b_1, c_1; 1·01152 for a_2, b_2, c_2; 1·02617 for a_3, b_3, c_3; and 1·04720 for a_4, b_4, c_4. The values were obtained to two decimal places and finally were rounded off to 0·1γ.

The mean values of $HR_H + VR_V$ are summarized in Table 337.

In Table 338 appear for the months and year the mean values of N, W, V, D, I, H and Total Force, T. The means of N, W, I and T are derived from the corresponding mean values of H, D and V, which are the means of hourly values on all days in the month or year. Tables 341 and 342 contain mean values of the magnetic elements for 1932 and recent years at a number of observatories.

Review of Results of Magnetic Observations.

"Mean and Extreme Values of the Magnetic Elements", 1932.— 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

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[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. 175.

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
1931 ..	16583	14 34·8	69 43·7	16049	4174	44898	47863
1932 ..	16571	14 23·7	69 45·0	16050	4120	44916	47875

Westerly declination was on the average 11′·1 less in 1932 than in 1931. The rate of decrease is practically the average rate of recent years. Between 1913 and 1920 the average rate of decrease was 9′·35 As compared with the 1931 value horizontal force shows a fall of 12γ, which is less than the average annual rate of decrease between 1912 and 1927 (14·3γ). Practically no change in the average value of the north component has occurred since 1925, but as in recent years the west component decreased by some 60γ. Inclination has increased by 1′·3. The values of vertical and total force have increased somewhat.

Mean values derived from (a) international quiet days and (b) international disturbed days are as follow: (a) H, 16574γ; D, 14° 23′·7; N, 16054γ; W, 4120γ; V, 44918γ; (b) H, 16564γ; D, 14° 23′·4; N, 16045γ; W, 4117γ; V, 44916γ.

The differences between the mean annual values of N, W, and V, derived from all, international quiet, and international disturbed days in the years 1926-32 inclusive, are given below, together with the mean differences for the years 1915-1925. 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
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 1932 are given in Table II.

TABLE II.

Component.	Maximum		Minimum		Absolute Annual Range
	Value	Date, 1932	Value	Date, 1932	
		d h m		d h m	
Horizontal Force	16820γ	May 29 16 49	16138γ	May 29 22 47	682γ
Declination	14° 52′·8	May 30 3 44	13° 47′·6	Oct.20 21 17	1° 5′·2
Vertical Force	45069γ	May 29 16 45	44560γ	May 30 3 50	509γ

The range of 1° 5′·2 in declination is equivalent to a range of 314γ in the component of force perpendicular to the magnetic meridian.

"Magnetic Character of the Year".— The Eskdalemuir practice of tabulating for each day the value of ΣR^2 has been discontinued in favour of the now internationally-accepted formula for magnetic activity viz., $HR_H + VR_V$. 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 value of the international character figures, which for 1932 are based on the estimates made at 41 observatories, and the mean monthly values of $HR_H + VR_V$ for all, international quiet (Q), and international disturbed (D) days.

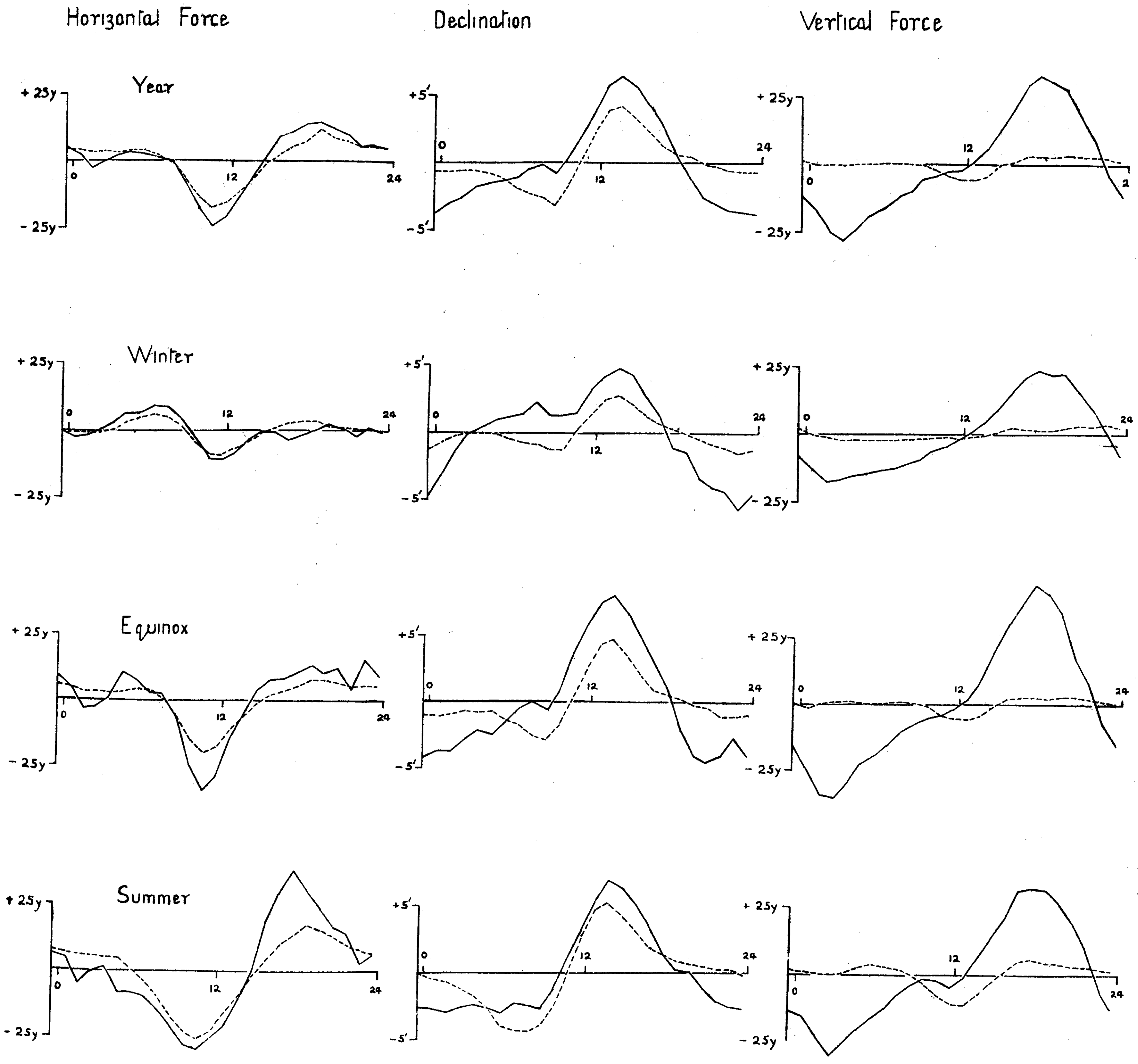
The Eskdalemuir mean character figure for the year, like the international mean character figure, is less than for 1930. The mean sunspot numbers for the years 1923-32, are, in order, 5·8, 16·7, 44·3, 63·9, 69·0, 76·8, 64·2, 38·9, 20·9 and 11·2. Both the Eskdalemuir and the international mean character figures increased concurrently with the sunspot numbers up to 1926, but the concurrence since then has not been maintained.

The Eskdalemuir character figures and the mean values of $HR_H + VR_V$ for all days suggest that October was the most disturbed month.

Diurnal Variation of the Magnetic Elements

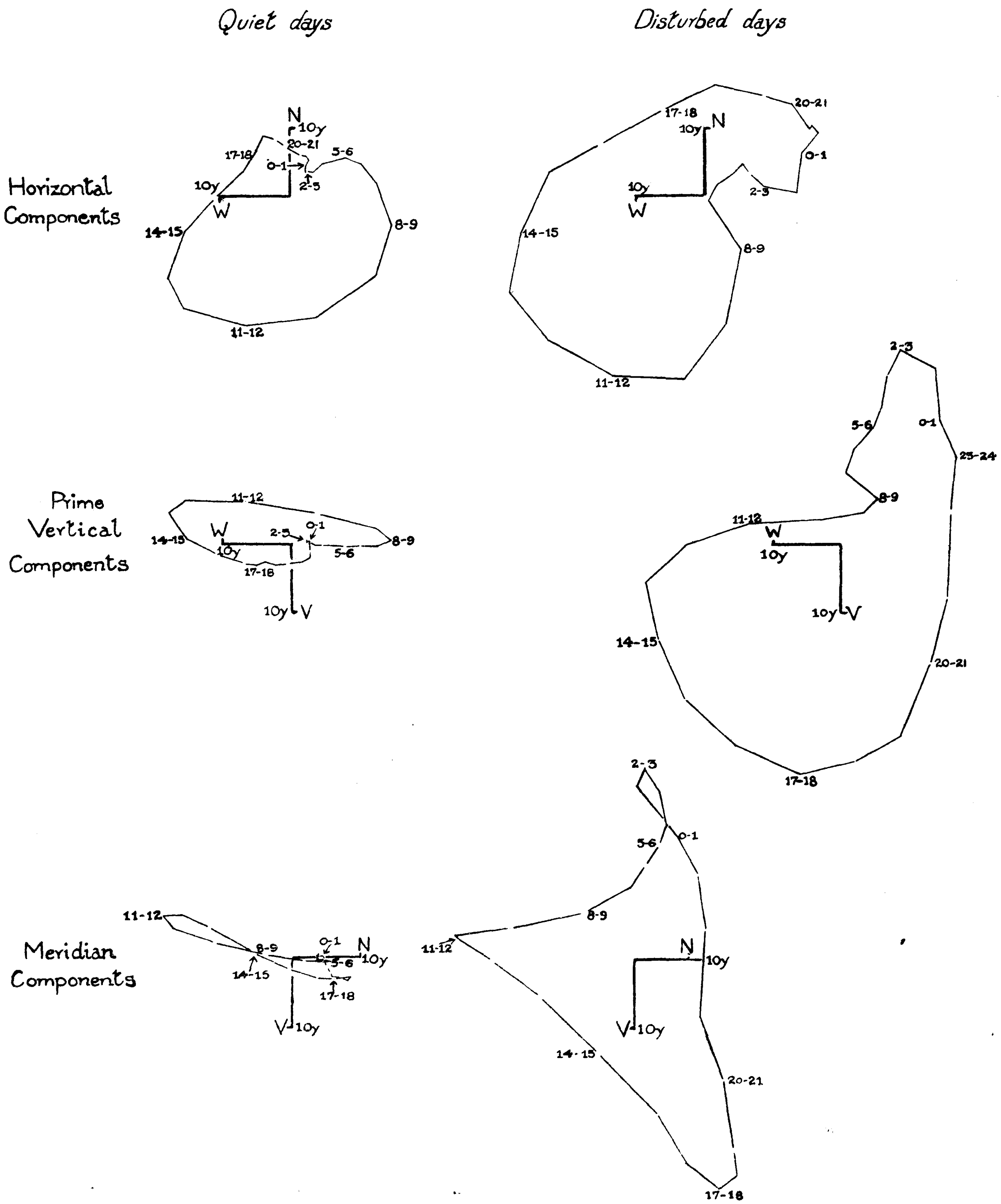
Eskdalemuir 1932

Quiet days - - - - - - - -   Disturbed days ————



Vector Diagrams illustrating Diurnal Variation of Magnetic Force

Eskdalemuir 1932



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
1932								
January	10	18	3	0·77	0·76	256	66	528
February	8	18	3	0·83	0·76	262	100	576
March	6	18	7	1·03	0·95	464	133	925
April	6	22	2	0·87	0·89	469	189	734
May	8	20	3	0·84	0·80	519	187	1476
June	17	13	0	0·43	0·43	264	190	465
July	18	13	0	0·42	0·49	262	185	427
August	16	12	3	0·58	0·67	366	185	809
September	11	16	3	0·73	0·73	346	148	748
October	6	21	4	0·94	0·73	294	125	675
November	12	17	1	0·63	0·58	185	83	392
December	8	20	3	0·84	0·67	237	78	663
Year, 1932	126	208	32	0·74	0·71	327	139	701
Year, 1931	137	208	20	0·68	0·66	345	185	679
Year, 1930	94	230	41	0·85	0·83	556	195	1246
Year, 1929	118	213	34	0·75	0·67	–	–	–
Year, 1928	96	246	24	0·80	0·63	–	–	–
Year, 1927	95	231	39	0·85	0·63	–	–	–
Year, 1926	90	227	48	0·89	0·65	–	–	–
Year, 1925	145	191	29	0·69	0·56	–	–	–
Year, 1924	191	153	22	0·54	0·55	–	–	–
Year, 1923	235	111	19	0·41	0·48	–	–	–
Year, 1922	174	145	46	0·65	0·65	–	–	–

"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.

The ranges of the annual mean inequalities of H and D for all days and for quiet and disturbed days are the smallest (or equal to the smallest) since

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* $\frac{NR_N + WR_W + VR_V}{10,000}$ in 1930 and 1931

1924. In V the ranges for all days and disturbed days are small, though greater than in 1931, while the Q-day range is the smallest ever recorded at Eskdalemuir.

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 1932 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 1932 is 11·2.

The 1932 ranges are nearly all below the average. The high value for V on all days in the equinox is due to a few days in March and April which have large ranges in the hourly values but are not counted as D days.

		All days.					International quiet days.					International disturbed days				
		N.	W.	V.	H.	D.	H.	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
	1932 % ..	87	83	98	83	85	83	87	78	83	86	85	84	93	78	91
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
	1932 % ..	88	100	94	96	98	87	94	98	91	94	74	97	76	74	100
Equinox,	1916-26 ..	41·5	44·2	27·2	39·0	9·57	37·8	42·0	13·1	37·2	9·04	56·0	65·3	82·0	55·4	13·76
	1932 % ..	88	82	113	83	89	76	84	74	73	84	99	82	97	89	90
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
	1932 % ..	87	82	77	85	86	90	84	82	90	86	82	66	89	73	76

"Daily Range."—The values of mean absolute daily range for the months and seasons of the year, together with the corresponding means for 1916-26 are given in Table IV; the ranges are also expressed as percentages of the mean absolute daily range for the year.

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

Month	Mean Absolute Daily Range.						Mean Daily Range expressed as Percentage of Yearly Mean.					
	1932			Mean 1916-26			1932			Mean 1916-26		
	H	D	V	N	W	V	H	D	V	N	W	V
	γ	γ	γ	γ	γ	γ	%	%	%	%	%	%
January	69	83	34	69	73	39	85	106	77	80	88	81
February	69	83	37	69	76	38	85	106	84	80	92	80
March	99	110	67	95	94	57	122	141	152	110	113	119
April	107	91	65	98	88	54	132	117	148	114	106	113
May	124	90	70	102	88	59	153	115	159	119	106	123
June	74	61	31	92	85	46	91	78	70	107	102	96
July	78	61	29	86	82	43	96	78	66	100	99	90
August	91	81	48	98	88	55	112	104	109	114	106	115
September.. ..	79	78	48	100	92	63	98	100	109	116	111	131
October	73	76	39	94	93	57	90	97	89	109	112	119
November	51	53	23	62	66	34	63	68	52	72	80	71
December	55	64	33	60	64	33	68	82	75	70	77	69
Winter	61	71	32	65	70	36	75	91	73	76	84	75
Equinox	89	89	55	97	92	58	110	114	125	113	111	121
Summer	92	73	45	95	86	51	114	94	102	110	104	106
Year	81	78	44	86	83	48	–	–	–	–	–	–

The mean daily ranges of H, D and V are slightly greater than the corresponding values for N, W and V for 1931, but smaller than those for any other year since 1925.

The frequency distribution of absolute daily ranges recorded in 1932 is shown in Table V, which also contains the percentage distribution for the period 1916-1926.

TABLE V.—FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE

Range	Number of Cases 1932			Percentage Distribution					
				H	N	D	W	V	
γ	H.	D.	V.	1932	1916-26	1932	1916-26	1932	1916-26
0-9	0	0	19	0·0	0·0	0·0	0·0	5·2	6·3
10-19	9	2	66	2·5	1·7	0·5	0·9	18·0	20·2
20-29	19	13	105	5·2	4·9	3·6	4·5	28·7	24·8
30-39	25	21	49	6·8	7·8	5·8	7·5	13·4	14·3
40-49	37	49	30	10·1	9·9	13·4	10·6	8·2	8·1
50-59	52	69	23	14·2	12·2	18·9	12·0	6·3	4·8
60-69	40	50	16	11·0	12·9	13·7	13·1	4·4	4·2
70-79	31	36	9	8·5	10·3	9·9	12·4	2·5	3·1
80-89	31	29	9	8·5	8·1	7·9	8·6	2·5	2·3
90-99	29	17	9	7·9	6·5	4·6	7·5	2·5	2·1
100-109	27	13	5	7·4	5·3	3·6	4·7	1·4	1·1
110-119	12	9	5	3·3	4·0	2·5	3·5	1·4	1·2
120-129	5	15	6	1·4	3·5	4·1	2·7	1·6	0·8
130-139	15	10	4	4·1	2·6	2·7	2·2	1·1	0·8
140-149	3	5	4	0·8	1·7	1·4	2·2	1·1	0·5
150-159	12	4	1	3·3	1·3	1·1	1·2	0·3	0·7
160-169	4	6	2	1·1	1·2	1·6	0·9	0·5	0·5
170-179	7	7	0	1·9	0·8	1·9	1·0	0·0	0·4
180-189	3	4	1	0·8	0·6	1·1	0·7	0·3	0·5
190-199	1	4	0	0·3	0·5	1·1	0·6	0·0	0·3
200+	4	3	3	1·1	4·4	0·8	3·1	0·8	3·1
Days omitted	0	0	0	..	..	..	..	..	..

TABLE VI.-PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR, 1932.

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, 14°; V, 44000γ.

			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. 1 14	Jan. 2 24	626	2 22 28	474	2 23 4	152	36·1	2 12 22	3·3	2 22 25	32·8	945	2 17 39	876	2 2 30	69
2	Jan. 7 20	Jan. 12 24	650	9 23 34	516	9 11 40	134	38·1	8 16 37	6·5	11 18 22	31·6	956	11 18 22	901	8 23 1	55
3	Jan. 25 10	Jan. 29 4	652	27 15 33	453	28 13 4	199	36·9	27 13 26	- 0·9	26 22 15	37·8	1012	27 15 41	911	28 1 0	101
4	Feb. 3 6	Feb. 5 24	672	4 20 21	497	4 11 24	175	47·2	4 2 12	7·5	3 22 22	39·7	999	4 16 49	885	4 2 33	114
5*	Feb. 7 19 50	Feb. 12 24	621	12 22 38	501	10 18 53	120	35·4	10 14 10	5·5	11 16 55	29·9	998	10 16 28	922	11 22 53	76
6	Feb. 22 8	Feb. 26 4	613	25 19 26	510	24 11 43	103	36·6	22 13 53 and 24 12 26	- 9·6	23 20 5	46·2	1013	23 19 39	917	25 5 18	96
7	Mar. 2 10	Mar. 6 24	667	4 18 57	496	3 9 55	171	37·4	3 12 25	4·5	2 22 12	32·9	1004	2 21 52	873	5 1 37	131
8	Mar. 7 10	Mar. 11 24	680	10 20 9	431	11 0 38	249	44·6	11 0 33	- 3·4	10 20 6	48·0	982	10 17 44	785	11 0 51	197
9	Mar. 17 16	Mar. 18 22	656	18 18 56	518	18 19 24	138	36·6	18 13 38	- 8·4	18 18 50	45·0	1002	18 18 16	907	18 2 38	95
10	Mar. 20 23	Mar. 25 4	628	21 1 3	509	22 10 33	119	37·7	22 12 58	7·6	21 20 40	30·1	950	21 20 36	864	23 1 3	86
11*	Mar. 27 17 49	Apr. 10 24	702	31 18 33	466	2 2 48	236	40·8	28 19 34	0·7	29 20 25	40·1	1045	28 19 12	806	31 0 50	239
12	Apr. 13 14	Apr. 19 24	673	18 17 58	498	18 11 3	175	35·1	15 1 1	- 1·3	13 21 0	36·4	982	13 17 16	897	14 4 0	85
13*	Apr. 22 5 29	Apr. 29 24	659	25 18 3	487	24 10 29	172	38·9	22 15 23	11·4	24 23 41	27·5	987	22 16 38	863	26 1 2	124
14	May 1 10	May 7 10	729	4 17 42	513	6 10 21	216	38·9	5 14 29 and 16 20	8·8	4 23 16	30·1	994	5 17 0	828	3 1 20	166
15*	May 10 0 5	May 11 22	646	11 18 42	536	11 15 52	110	32·9	11 13 55	12·8	11 0 35	20·1	961	11 19 23	900	11 0 41	61
16	May 13 2	May 17 2	661	15 18 30	507	16 6 52	154	35·1	16 4 41	15·7	13 19 8	19·4	963	13 19 4	904	16 5 10	59
17	May 23 12	May 23 24	649	23 22 8	553	23 14 15	96	35·4	23 13 50	9·9	23 22 0	25·5	974	23 20 30	923	23 22 44	51
18	May 29 11	May 31 24	820	29 16 49	138	29 22 47	682	52·8	30 3 44	- 9·1	30 2 30	61·9	1069	29 16 45	560	30 3 50	509
19	June 7 4	June 12 24	643	8 15 0	510	8 8 46	133	33·9	7 15 5	11·0	8 20 30	22·9	973	9 20 8	882	9 0 33	91
20	June 20 10	June 23 8	662	20 16 24	536	20 10 47	126	36·8	20 17 9	15·0	21 22 29	21·8	985	20 18 13	915	22 10 10	70
21	July 5 12	July 10 24	674	5 17 40	482	6 14 27	192	35·4	5 14 3	16·6	10 8 7	18·8	965	6 14 56	898	10 2 43	67
22	Aug. 1 12	Aug. 4 20	656	2 21 30	495	3 11 42	161	35·3	3 12 44	6·5	2 21 23	28·8	949	1 17 55	850	4 0 24	99
23	Aug. 27 6	Aug. 31 4	681	29 19 10	432	28 9 28	249	39·8	28 1 47	- 4·5	29 19 3	44·3	971	28 17 52	708	28 2 22	263
24*	Sept. 6 2 19	Sept. 9 24	622	7 22 5	502	6 14 24	120	34·8	6 14 21	6·8	8 4 48	28·0	971	6 15 54	802	8 4 11	169
25	Sept.23 6	Sept.27 24	668	24 19 52	493	23 9 19	175	34·7	25 15 24	- 1·5	23 19 48	36·2	978	23 17 56	802	25 2 4	176
26*	Oct. 14 17 46	Oct. 16 18	604	15 4 38	474	15 10 31	130	38·1	15 16 59	1·6	15 22 4	36·5	998	15 17 25	834	15 23 50	164
27	Oct. 20 10	Oct. 21 14	578	20 6 32	424	20 21 15	154	30·6	21 5 53	-12·4	20 21 17	43·0	951	20 17 58	766	21 1 52	185
28	Oct. 22 8	Oct. 24 24	624	22 20 8	490	24 13 0	134	28·0	23 14 36	4·7	23 17 1	23·3	917	23 17 1	837	24 20 36	80
29	Nov. 14 6	Nov. 17 22	614	17 20 46	500	16 10 38	114	32·9	16 6 12	- 2·2	16 18 9	35·1	950	16 17 27	852	16 6 26	98
30	Dec. 13 14	Dec. 17 24	620	16 0 55	436	16 1 19	184	34·2	14 17 51	- 5·3	14 21 20	39·5	1035	14 17 25	839	15 4 10	196

The intervals of maximum frequency in 1932 lie between 50 and 59γ for H and D, and 20-29γ for V. These are much the same as in recent years. In 1923, the year of the last sunspot minimum, the intervals were 40-49γ for N and W, 10-19γ for V.

On 31 days in 1932 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 were, in order, 30, 47, 35, 56, 58, 36, 27, 32, 11, 10, 24, 46, 41, 48, 50, 88, 17. The frequency of occurrence in 1932 of ranges in excess of 199 γ is conspicuously low. There were only two days on which the range in each of H, D, and V was 200γ or more as compared with 18 such days for N, W and V in 1926, seven in 1927, five in 1928, nine in 1929, 16 in 1930, and one in 1931.

"Irregular changes in Declination".—In connexion with the supply of declination data to mine surveyors it has been the practice to classify the hourly periods between the exact hours G.M.T. into four groups according to the range in declination within each period. The range limits, which were adopted in consultation with representative mine surveyors, are:— less than 5′, between 5′ and 15′, between 15′ and 30′, and greater than 30′. This method of classification has been applied to the declination records obtained in the year 1932, 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 145γ 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′ ..	93	104	150	135	88	25	30	71	89	74	53	70	982
15′ to 30′ ..	15	13	22	7	8	1	3	5	5	4	3	5	91
> 30′	0	2	3	1	3	0	0	0	0	0	0	0	9

Hourly Distribution. 1932
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′	66	69	56	51	28	23	15	17	17	14	13	19	13	13	23	29	54	47	76	68	70	66	66	69
15′ to 30′	6	8	3	0	0	0	0	0	0	0	0	0	0	0	1	4	5	13	9	6	13	9	10	4
> 30′ ..	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	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" 1932.—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, 1932.

January.—(Average character figure 0·77).

A quiet month, with no disturbance worthy of description. There was slight activity during at least part of each of the first 17 days, the most noticeable feature being frequent bays in D, about 15′ in depth, between 18h and midnight, accompanied usually by slight humps in V and oscillations in H.

From 18th to 23rd inclusive conditions were quiet, but after this activity developed, and there was continuous minor disturbance from the morning of 25th till the end of 28th. Between 26d 21h and 27d 2h, and again between 27d 15h and 28d 3h, there were series of marked bays in D, the accompanying changes in H being rapid and irregular; and on 28d between 12 and 14h there occurred an irregular dip of 100γ in H.

February.—(Average character figure 0·83).

Similar to January in the average degree of disturbance. The most disturbed period was from 3d 12h to 4d 24h. During this time movements were mainly rapid and irregular, but the following may be mentioned: a peak of 120γ in H with maximum at 3d 22h 28m and a peak of 24′ in D between 4d 1h and 3h, both accompanied by small dips in V; and a very sharp peak of 120γ in H at 4d 20h 21m. The afternoons of 3rd and 4th between about 13h and 18h showed remarkable similarity of movements.

There was continuous but decreasing activity until the end of the 15th, when conditions became calm.

Minor activity was renewed on the afternoon of 18th, and continued until about 26th, dying away during the last days of the month. A pronounced movement occurred in D on the evening of 23d. This consisted of a fall of 41′ between 18h 46m and 20h 5m followed by a rapid rise till near 21h, and was accompanied by irregular fluctuations in H and a peak of 65γ in V.

March.—(Average character figure 1·03).

A rather more disturbed month than January or February, and without the very quiet periods found in winter months.

Activity began on the afternoon of 2nd and increased continually during the next seven days. From the afternoon of 9th until the early hours of 11th there was considerable disturbance, though the ranges were not very great. In H and D the fluctuations were irregular and the most notable feature of the disturbance (though a normal one) was the somewhat irregular fall of V from its maximum at 10d 17h 44m to its minimum at 11d 0h 51m (range 197γ); the fall was very rapid after 0h and was followed by a rapid rise until about 1h 30m. During this $1\frac{1}{2}$ hours after midnight there were also a sharp peak of 30′ in D, with maximum at 0h 33m, and a sharp minimum of H at 0h 38m. After this the disturbance was diminished, though minor activity continued.

The only movement to be mentioned during the next sixteen days occurred between 18h and 21h on 18th. D fell by 35′ in two abrupt stages to a minimum at 18h 50m, recovered equally rapidly to a small peak at 19h 20m, and, after a small sharp drop, rose irregularly till soon after 21h. The corresponding movement in H was a hump of about 110γ, with maximum at 18h 56m, while in V there was a rapid rise of 40γ to a peak at 18h 16m, followed by a smooth but less rapid fall.

A relatively large disturbance (though one which would hardly be noticed in a disturbed year) developed on the afternoon of 28th, continued for the next three days and died away during the first week of April. There were many sharp peaks and dips of about 100γ in H and 20′ in D, while the movements of V were of the usual disturbed day type, consisting of a gradual rise to a maximum at about 18h followed by an irregular fall to a minimum soon after midnight. The ranges for this storm were: H 236γ, V 239γ, D 40′·1.

April.—(Average character figure 0·87).

Although the mean disturbance index is about equal to that for March, there were no disturbances so intense as either of those recorded in that month.

Activity was continuous throughout the first ten days. The rather large activity figure of the 2nd is due mainly to sharp minima in H and V about 3h. On 5th there was a sharp peak of 92γ in H, with maximum at 21h 6m. The very abrupt rise, which began at 21h 0m, was accompanied by a small drop in D and V.

Another sharp peak, of 130γ, occurred between 7d 23h 36m and 8d 0h 47m, the maximum being at 0h 4m. This was associated with a dip of some 60γ in V, from 22h 20m till 4h, and a fall of 20′ in D between 23h 5m and 23h 58m. From the end of the 10th till the afternoon of 13th conditions were quiet, though very small fluctuations were never absent. Activity again increased on 13th and continued until the end of 18th, when another quiet period began. The afternoon of 13th was marked by a small hump in V between 16h and 18h, accompanied by rapid fluctuations in H. D fell by 26′ between 20h 0m and 21h 0m, rose by 33′ to a peak at 21h 52m, and then fell to near its normal value by 22h 20m; in this period there were also rapid fluctuations in H and an irregular drop in V.

The comparative quiet of 18d - 21d was interrupted by a very small movement in H and D at 22d 5h 29m. This was followed by small and rapid oscillations and a considerable disturbance developed during the succeeding days. 23d - 27d inclusive was the most disturbed period of the month, but the fluctuations in H and D were more irregular and less rapid than usual, and there is a noticeable absence of the very sharp peaks and dips which are usually found during disturbance. Ranges: H 172γ, V 124γ, D 27′·5. It is perhaps worth remarking that the maxima of D and V occurred very soon after the beginning of the disturbance, viz. on the afternoon of 22nd.

There was continuous activity till the end of the month.

A sunspot group (maximum area 800 millionths of the sun's hemisphere) crossed the central meridian at April 25·4d.*

May.—(Average character figure 0·84).

During the first 28 days of the month the only disturbances were of a minor order. The following movements may be noted:

Between 1d 23h and 2d 2h there was a dip of some 20′ in D, accompanied by a small oscillation in H, and a shallow trough in V (midnight to 4h). The following night was rather more disturbed from 2d 20h to 3d 4h; there were irregular fluctuations in H and D and a dip of roughly 130γ in V.

On the afternoon of 4th oscillations in H and D, with ranges of 165γ and 23′, around 18h, marked the beginning of slight disturbance which lasted until about the end of 6th. Only very small movements in V accompanied these oscillations but a dip of some 40γ between 4d 20h and 22h coincided with a slight increase of activity in H and D.

After the 6th minor activity was continuous, with very rapid oscillations on many days, except for a quiet interval from 19d 1h to 21d 2h. A movement rather like a sudden commencement at 24d 23h 35m ushered in somewhat disturbed conditions which continued until by far the greatest storm of the year began at about 29d 11h. Disturbance increased rapidly during the afternoon, while H and V were increasing, and was very great from 15h to 18h. In this interval there were three large peaks in H, and numerous rapid oscillations in D, of which the greatest consisted of an abrupt fall of 47′ to a minimum at 17h 19m, followed by an equally abrupt rise of 36′. From 18h to 22h conditions were less disturbed, all three elements falling irregularly. H and V began to fall abruptly at 22h 30m, reached sharp minima at about 23h, and rose by 360γ and 280γ in the next hour; both had sharp peaks at midnight and fell again rapidly afterwards. The fall in V was continued for more than three hours, and after violent oscillations, during which the minimum for the storm occurred, there was a rapid rise from about 5h till 10h on the 30th, the depth of the trough between midnight and 10h being of the order of 300γ. From midnight till 7h there were violent oscillations in H and D, the most notable being a very sharp dip of 250γ in H, with minimum at 4h 47m, and a rise in D of 51′ between 3h 30m and 3h 44m, followed by a rapid but interrupted fall until 4h 42m. Ranges for the storm: H 682γ, D 1° 1′·9, V 509γ.

The disturbance died away during the morning of 30th and conditions became quiet at the end of 31st.

June.—(Average character figure 0·43).

No disturbance worthy of description occurred in this month. The periods of greatest activity were: 7d 12h - 10d 24h, 20d 12-20h.

The following were the quietest periods: 1d 0h - 5d 6h, 15d 0 - 8h, 24d 22h - 25d 6h.

July.—(Average character figure 0·42).

No large disturbance occurred in this month. Slight activity began on the afternoon of 4th, with a few rapid oscillations in H shortly before 14h. This died away during the early hours of 5th but was renewed in the afternoon, the most disturbed period being 17h - 22h, when there was a small hump

* Nature, Vol. 131, p. 661.

in V. From 6h - 12h on 6th there were small and very rapid oscillations in all three elements.

On 16th between 11h and 15h there was a very irregular dip of some 80γ in H.

Mention may also be made of a small peak of 65γ in H on 19th between 22h 8m and 40m, the rise being very rapid, with many small oscillations superposed, the fall less rapid and more regular. Smaller movements of this type are frequent in the four hours preceding midnight and are seldom mentioned.

The following periods were very quiet: June 30d 20h - July 1d 10h; 2d 18h - 4d 4h; 12d 22h - 14d 8h; 23d 18h - 24d 8h; 28d 18h - 30d 12h.

August.— (Average character figure 0·58).

There was continuous minor disturbance from about 1d 12h till 4d 18h. A number of rapid fluctuations of moderate size took place, among which we may mention a peak of about 18′ in D with maximum at 2d 2h, accompanied by a small dip in V, and an irregular dip of some 80γ in H between 3d 6h and 9h. A similar but larger dip in H (about 110γ) occurred between 5d 8h and 12h.

From 6th to 26th inclusive conditions were quiet, except for slight outbursts of activity on 12th and 22nd. From 11d 23h till 12d 6h D was some 10′ below its undisturbed value, except for a hump of 15′ between 2h 40m and 4h 40m; a hump of 60γ in H occurred between 3h 10m and 4h 50m. On the afternoon of 22nd between 17h and 20h there were several oscillations in H over a range of about 60γ and small fluctuations in D.

Disturbance gradually developed in the early hours of 27th and became more considerable soon after a small movement like a sudden commencement at 11h 30m. The first noteworthy movements began at 17h 20m, when D began to fall, reaching a minimum a few minutes before 18h. H rose simultaneously by 70γ to a maximum. Both returned irregularly to about their former values during the next hour, the dip in D being some 15′ in depth.

A slightly larger dip in D (about 20′) occurred between 22h and midnight and was associated with a small irregular hump in H and a shallow dip in V. Shortly after 1h V began to fall rapidly, reaching a minimum 150γ below its 1h value, at 2h 22m. The maximum at 1h 47m of a peak of 20′ in D and the minimum at 1h 54m of a dip of 115γ in H occurred during the time when V was falling most rapidly. V rose smoothly until 5h.

During the morning of 28th there were irregular dips in H of 80γ between 5h and 7h and of 120γ between 8h and 10h. During the afternoon there was increasing agitation until 18h, but conditions became quieter after an abrupt rise of 110γ in H, a drop of 19′ in D, and a small peak in V, a few minutes before this hour. Disturbance was renewed at 23h and continued with moderate intensity through the night and morning. During the afternoon of 29th conditions were very similar to those of 28th, the largest movements being a dip of 26′ in D with minimum at 19h 5m, associated with a very rapid rise of 120γ in H to a sharp maximum at 19h 10m and a small peak in V. There were further oscillations during the night and some disturbance on the afternoon of 30th, three small peaks in H occurring between 16h and 21h. The disturbance died away during 31st. Ranges between 27th and 30th inclusive: H 249γ, D 44′3, V 263γ.

September.—(Average character figure 0·73).

There was slight activity on most of the first twenty-two days of the month, but the only movements requiring notice were a hump in V on 6th from 13h to 22h, reaching a maximum about 85γ above the undisturbed value, and a dip of some 60γ between 3h and 5h on 8th. Both of these were associated with agitation in H and D.

On the afternoon of 23rd after a dip in H between 8h and 10h there was moderate disturbance, V rising to a small peak at 18h and D making two dips of 18′, shortly before 20h and 21h, the latter accompanied by a small peak in H. On the following afternoon (24th) disturbance was more intense. V rose rapidly to a maximum at 15h 47m, about 70γ above its value at 14h, afterwards falling smoothly. The minimum of a dip of 17′ in D was simultaneous with the maximum of V, and another slightly smaller dip took place between 18h and 20h (minimum at 19h 19m). Between 19h 44m and 52m H rose by 105γ, afterwards falling irregularly till 20h 40m. During the rest of the night there were moderate fluctuations, which at about 25d 4h were succeeded by smaller and more rapid oscillations, as is usual. These continued until 14h, when disturbance again increased. The only noteworthy feature of the night of 25th-26th was an irregular hump of 100γ in H between 21h and 23h, accompanied by a small dip in V and a double peak of about 17′ in D. The ranges for this storm were: H 175γ, D 36′·2, V 176γ.

There was slight activity on the last five days of the month.

It is perhaps worth remarking that small peaks of 70γ in H, of the type referred to under July 19th, occurred at 29d 1h 15m and 30d 21h 52m, each accompanied by small fluctuations in D and a slight dip in V. These two movements are particularly well developed, but movements of this type took place every night from September 17 - 18 to October 6 - 7 inclusive.

October.—(Average character figure 0·94).

There was slight activity for the first 14 days of the month; this took place mainly in the afternoons, the hours from 2h till 10h being the most quiet, notably on 6th, 7th, 8th and 14th.

At 14d 17h 46m there was a small sudden commencement. Practically no increase of activity followed until about 15d 3h, when there was a slight increase in H which lasted till 8h. Activity increased in the afternoon, but the only noteworthy movement was a sharp maximum in V at 17h 25m. Conditions continued to be slightly disturbed until 19d 2h, with a noticeably quiet interval on 16th from 18h till nearly midnight.

Another disturbance occurred between 20d 10h and 21d 14h. During this period there was a rather symmetrical oscillation of V, with amplitude 90γ on each side of the undisturbed value and with maximum at 20d 18h and minimum at 21d 2h. D was below its normal value from 20d 18h till 21d 4h, and above from 5h till 10h. Between 20h and 22h there was a sharp dip of 125γ in H, with minimum at 21h 15m, accompanied by an oscillation of 29′ in D from a peak at 20h 50m to a minimum at 21h 17m. The disturbance died away on the morning of 21st and conditions became quiet for a season.

Activity was renewed on 22nd, particularly between 19h and 22h, when there were rapid fluctuations in H and D over a range of 110γ and 14′. Further slight activity occurred on the afternoon and evening of the next two days.

From 28d 10h till 29d 21h conditions were very quiet.

November.— (Average character figure 0·63).

The quietest month of the year, and without any disturbance worthy of detailed description.

A double hump of 14′ occurred in D on 1st between 3h and 9h, accompanied by small fluctuations in H and a shallow dip in V.

The period of greatest activity was 14d 8h till 17d 22h. On the afternoon of the 16th V oscillated by about 90γ with maximum between 17h and 18h and minimum shortly before midnight. D fluctuated irregularly but was below its normal value between 14h 30m and 22h, while H oscillated about an approximately normal value.

A group of sunspots (maximum area 1000 millionths of the sun's hemisphere) crossed the central meridian at 16·2d.*

From 21d 0h till 25d 4h conditions were very quiet.

A very small sudden commencement at 25d 5h 25m was followed by very small and rapid oscillations.

December.— (Average character figure 0·84).

There was activity of a very small order throughout the first thirteen days of the month, with occasional very quiet periods during the afternoon hours, notably on 3d, 5d, 7d and 12d.

Possibly associated with a group of sunspots (maximum area 500 millionths of the sun's hemisphere) which crossed the central meridian at 13·0d,* a disturbance developed on the afternoon of 14th. The oscillations were rapid but only small before 16h, but the disturbance in H and D increased during a rapid rise of 110γ in V to a sharp maximum at 17h 25m. H was roughly 70γ below its undisturbed value from 14d 16h till 15d 3h, but there were two peaks of some 80γ at 17h 44m and 1h 0m. The maximum of D occurred at 14d 17h 51m, after a very rapid rise of 26′ and was followed by an irregular fall of 39′ to a minimum at 21h 20m. D was below its undisturbed value from 19h till 4h. V fell irregularly from its maximum to a rounded minimum at 15d 4h 10m.

Conditions were quiet from 4h till 18h on 15th. Disturbance was renewed about two hours later than on the previous day. The maximum of V at 19h 32m was less pronounced, but between 0h 23m and 1h 13m on 16th there was a rapid fall of 80γ, followed by a small sharp rise for 10 minutes and a gradual rise until 10h. H and D were again slightly below their normal values for several hours before midnight, and conspicuous oscillations occurred in both at about the time of the minimum of V. The oscillations in each case consisted of two peaks separated by a sharp minimum; in H the range was 184γ, the maxima at 0h 55m and 1h 33m and the minimum at 1h 19m, while in D the

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* Nature, Vol. 131, p.661.

range was 21′, the maxima at 1h 8m and 1h 44m and the minimum at 1h 26m, the oscillation in D being thus about 90° later in phase than that of H. The disturbance was then practically at an end.

The only movement which need be noted during the rest of the month is a dip of 22′ in D on 17th, with minimum at 19h 21m.

From 20d 22h till 25d 6h conditions were very quiet.

Readings in millibars at exact hours, Greenwich Mean Time.

167. Eskdalemuir: H_b (height of barometer cistern above M.S.L.) = 237·3 metres. January, 1932.

Hour G.M.T.	1.	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	983·9	982·8	981·5	979·8	978·8	977·4	976·6	976·5	976·3	975·9	975·7	975·0	973·7	974·4	974·2	974·6	974·6	975·1	975·6	976·3	976·9	977·6	978·0	978·2	977·2
2	978·4	978·5	978·4	978·1	977·4	976·8	976·6	975·8	976·3	976·3	975·4	974·8	975·4	975·4	975·9	976·0	976·2	976·1	976·1	976·3	976·4	976·0	975·9	975·7	976·5
3	975·5	975·5	975·9	976·0	976·1	976·5	976·5	977·2	977·5	978·1	978·5	978·6	978·7	978·7	979·0	979·4	979·7	980·2	980·7	981·1	981·6	981·9	982·0	981·6	978·5
4	981·0	981·9	981·6	982·0	981·8	982·4	983·4	983·5	983·7	984·0	983·9	983·3	982·3	980·7	980·1	979·1	977·8	975·2	974·0	975·1	975·7	975·5	976·9	978·1	980·2
5	979·3	979·6	980·1	979·7	979·0	979·0	978·7	977·3	976·3	975·0	973·9	971·9	970·5	968·3	967·3	966·6	965·9	965·8	965·7	965·6	964·9	964·9	964·1	963·5	972·1
6	962·6	961·9	961·7	961·0	960·0	959·4	958·7	958·2	957·3	956·2	954·5	953·0	951·7	949·6	948·8	948·2	948·2	948·2	948·3	948·8	950·3	952·4	954·4	956·8	954·7
7	958·5	959·5	959·9	960·5	961·2	961·6	961·8	961·8	962·3	962·8	963·2	963·4	963·0	962·8	962·8	862·8	962·9	962·9	963·1	963·0	963·2	963·4	963·2	963·6	962·1
8	963·9	964·4	965·0	965·5	966·3	967·0	968·0	968·8	970·1	971·5	971·9	972·1	972·3	972·3	972·4	972·7	973·1	973·1	973·2	973·3	973·4	973·3	973·1	973·0	970·2
9	972·8	972·7	972·7	971·9	971·5	970·8	970·2	969·9	969·6	968·5	968·0	966·6	964·8	962·8	961·5	960·3	958·5	957·5	956·3	955·6	955·1	955·3	955·0	955·1	965·1
10	954·9	954·5	953·8	953·1	952·6	952·7	953·0	953·1	953·1	953·0	952·6	951·8	951·5	951·1	950·8	950·4	950·3	950·8	950·9	950·9	951·0	951·4	952·3	952·6	952·2
11	953·1	953·8	954·6	954·8	955·3	956·1	956·8	957·8	958·8	959·6	960·0	960·8	961·2	962·1	962·9	964·1	965·2	966·1	967·1	968·1	969·0	970·0	970·7	971·6	961·3
12	972·3	972·9	973·8	974·3	974·8	975·1	975·8	976·6	977·0	976·5	976·5	975·5	975·7	974·7	974·3	973·5	971·8	971·2	970·1	968.7	967·3	965·9	965·0	963·8	972·8
13	962·2	960·0	959·1	958·3	956·3	955·2	956·3	957·2	957·1	957·0	956·8	958·1	961·3	964·8	966·8	967·4	967·4	966·4	967·2	967·5	968·3	970·5	972·7	974·7	962·6
14	976·4	977·9	979·2	979·8	980·0	980·0	980·1	980·0	980·0	979·8	979·7	978·8	977·8	976·5	976·2	975·2	974·1	973·4	972·3	971·7	970·8	968·8	966·9	965·8	976·1
15	965·4	966·2	968·2	970·2	971·5	972·9	973·9	975·1	976·8	978·2	979·8	980·2	981·3	981·8	982·2	982·5	982·5	982·4	981·3	979·1	978·1	977·2	976·9	977·0	976·5
16	976·9	977·3	977·9	978·1	978·2	978·1	978·1	978·0	977·7	977·0	976·8	976·0	975·1	973·6	972·5	972·4	972·1	972·1	972·0	973·0	973·3	973·0	972·2	971·6	975·2
17	971·0	970·2	971·2	973·3	975·2	977·6	979·4	981·9	984·3	985·2	986·2	986·2	986·2	986·5	986·4	986·9	985·7	985·9	986·0	985·6	985·8	985·5	986·0	985·5	981·9
18	985·6	985·8	986·0	985·7	986·0	986·3	986·8	988·0	988·8	989·8	990·8	990·3	990·6	990·9	991·0	991·6	992·0	992·1	992·4	993·2	994·0	994·7	995·3	995·7	989·9
19	995·2	995·3	995·5	995·7	995·6	995·3	996·0	996·1	996·1	996·4	997·2	997·0	996·3	996·6	996·7	996·8	996·8	997·0	997·1	997·3	997·6	997·6	997·8	997·8	996·5
20	997·8	997·7	997·6	997·3	997·1	997·3	997·7	998·0	998·0	998·0	998·1	997·9	997·6	997·3	997·3	997·5	997·4	997·8	998·0	998·0	997·7	997·2	997·1	996·8	997·6
21	996·2	996·1	996·1	996·1	996·0	995·7	995·5	995·6	995·6	995·5	994·9	994·1	993·3	992·9	992·7	992·3	992·1	992·4	992·3	992·4	992·8	993·0	993·3	993·5	994·3
22	993·9	994·1	994·6	995·6	995·6	996·0	996·7	997·1	998·3	998·2	999·9	000·2	000·0	000·4	001·0	001·7	002·5	003·3	003·6	004·1	004·7	005·3	005·1	005·2	999·6
23	005·2	005·0	005·1	005·2	005·2	005·4	005·6	006·2	007·0	007·4	007·6	007·5	007·2	007·1	007·1	007·3	007·5	007·6	007·8	007·9	007·9	007·8	007·7	007·5	006·7
24	007·2	006·4	006·3	006·0	005·4	005·4	005·1	005·1	004·8	004·6	003·7	003·0	002·3	001·6	001·5	001·0	000·5	000·4	000·2	000·9	001·0	001·0	002·0	003·0	003·4
25	004·0	005·0	006·0	007·0	007·9	008·9	009·8	010·5	011·5	012·4	013·0	013·2	013·4	013·5	013·9	014·5	015·1	015·7	016·3	016·6	017·0	017·2	017·2	017·2	012·1
26	017·2	017·3	017·4	017·3	017·5	017·5	017·7	017·7	018·2	018·3	018·5	018·3	018·2	017·9	017·4	017·4	017·4	017·4	017·3	017·3	017·3	017·3	016·9	016·7	017·6
27	016·6	016·5	016·1	015·7	015·3	015·3	015·2	015·2	015·2	015·2	015·2	014·7	014·1	014·0	013·6	013·4	013·4	013·2	012·9	013·0	012·8	012·3	012·1	012·0	014·4
28	011·0	010·4	010·2	009·7	009·1	008·9	008·4	008·2	007·8	007·4	007·1	006·6	005·5	004·6	004·0	003·8	003·4	003·3	003·1	003·4	003·4	003·2	002·7	001·9	006·3
29	001·3	000·7	000·5	000·1	999·4	999·2	998·6	999·9	000·5	001·2	001·3	001·4	001·2	000·8	001·2	001·8	002·7	003·3	003·8	004·4	004·8	005·5	005·9	006·3	001·8
30	006·4	006·6	007·0	007·3	007·6	007·7	008·4	008·8	009·4	010·1	011·0	010·9	010·5	010·5	010·7	011·2	011·7	012·3	012·8	012·9	013·1	013·6	013·7	014·0	010·2
31	013·9	013·7	013·7	013·6	013·7	014·1	014·1	014·1	014·6	014·7	014·9	014·6	014·4	013·9	013·4	013·3	013·3	013·3	013·3	013·3	013·2	013·2	012·9	012·5	013·8
Mean (Station Level)	985·15	985·17	985·38	985·44	985·40	985·54	985·79	986·10	986·45	986·58	986·66	986·32	986·04	985·75	985·66	985·67	985·54	985·53	985·51	985·63	985·75	985·85	985·97	986·07	985·77
Mean (Sea Level)	1014·23	1014·26	1014·47	1014·55	1014·51	1014·64	1014·91	1015·23	1015·57	1015·66	1015·68	1015·27	1014·96	1014·65	1014·58	1014·62	1014·53	1014·53	1014·52	1014·66	1014·79	1014·91	1015·04	1015·16	1014·81

168. Eskdalemuir: H_b = 237·3 metres. February, 1932.

Hour G.M.T.	1.	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.	mbl	mb.	mb.	mb.
1	012·0	011·7	011·2	010·9	010·3	010·1	010·1	010·0	009·6	010·0	010·0	009·8	009·6	009·6	009·7	010·1	010·4	010·9	011·0	011·0	011·2	011·4	011·4	011·6	010·6
2	011·7	011·6	011·6	011·2	011·0	010·6	010·4	010·5	010·7	010·8	010·8	010·5	009·8	009·4	008·9	008·7	008·6	008·6	008·3	007·7	007·4	007·0	006·9	006·9	009·7
3	006·7	006·4	005·6	005·6	005·6	005·4	005·3	005·6	005·8	005·9	005·9	006·0	005·6	005·4	005·1	005·5	005·5	005·5	005·7	005·8	005·6	005·8	005·7	005·6	005·7
4	005·4	005·1	004·5	004·5	004·4	004·5	004·3	004·4	004·4	004·2	004·1	003·8	003·5	003·5	003·3	003·1	003·0	002·7	002·6	002·6	002·6	002·6	002·5	002·5	003·7
5	002·4	002·1	001·9	001·8	001·5	001·5	001·9	001·9	001·9	002·1	002·1	001·9	001·8	001·7	001·4	001·5	001·6	001·9	002·2	002·2	002·3	002·6	002·5	002·4	002·0
6	002·5	002·4	002·3	002·0	001·8	002·0	002·0	002·0	002·1	001·7	001·7	001·3	000·9	000·0	999·4	999·2	998·9	998·7	998·6	998·6	998·5	998·2	998·3	998·3	000·6
7	998·1	997·8	997·6	997·6	997·5	997·5	997·5	998·4	999·1	999·8	999·8	999·6	999·3	998·9	998·7	998·7	999·1	999·4	999·6	999·8	999·8	999·9	999·8	999·7	998·8
8	999·5	999·6	999·3	998·8	998·7	998·4	998·0	997·6	997·5	997·5	997·3	996·9	996·5	995·5	995·5	995·2	995·6	995·8	995·4	995·1	995·5	995·9	996·2	996·5	997·1
9	996·3	996·3	996·3	996·7	996·5	997·0	997·3	997·6	997·8	998·1	998·4	998·7	998·6	998·5	998·8	999·2	999·5	000·1	000·5	000·6	000·6	000·6	000·3	000·3	998·4
10	000·4	001·2	002·0	002·8	003·7	004·3	005·2	006·5	007·5	008·1	008·8	009·1	009·1	009·2	009·2	009·5	009·8	010·0	010·6	010·4	010·1	010·1	009·8	009·7	007·2
11	009·5	009·3	009·1	008·7	008·5	008·0	007·5	007·3	006·9	006·3	005·6	005·3	004·7	004·1	004·4	004·2	004·5	004·5	004·5	004·2	004·3	003·9	003·8	004·0	006·1
12	003·6	003·7	003·7	003·6	003·7	003·7	004·0	004·4	004·8	005·3	005·6	005·4	005·1	004·9	004·9	004·9	004·9	005·1	005·1	004·9	004·9	004·5	004·3	004·1	004·5
13	003·9	003·7	003·1	002·7	002·3	001·7	001·5	001·2	001·2	001·0	000·6	000·5	000·3	999·9	999·5	999·6	999·8	000·4	000·5	000·8	000·8	000·8	000·9	001·3	001·2
14	001·7	002·0	002·0	002·1	002·5	002·9	003·3	003·8	004·4	004·7	005·1	005·1	005·0	004·9	005·1	005·4	005·7	006·1	006·6	006·9	007·4	007·5	007·7	007·8	004·7
15	007·7	007·7	007·7	007·8	008·2	008·2	008·3	008·8	009·2	009·2	009·2	008·9	008·6	008·5	008·5	008·5	008·5	008·8	008·8	009·1	009·3	009·4	009·4	009·5	008·6
16	009·5	009·5	009·5	009·5	010·2	010·4	010·7	010·9	011·1	011·1	011·2	011·0	010·7	010·2	010·2	010·2	010·4	010·9	011·1	011·1	011·1	010·8	010·7	010·7	010·5
17	010·7	010·6	010·7	010·6	010·6	010·6	010·8	011·0	011·2	011·4	011·4	011·4	010·8	010·5	010·3	010·2	010·2	010·5	010·7	010·7	010·8	010·7	010·6	010·5	010·7
18	010·4	010·4	010·0	010·0	010·2	010·2	010·3	010·7	011·1	011·3	011·0	010·9	010·5	010·0	009·7	009·4	009·6	010·0	010·0	010·0	010·3	010·5	010·5	010·3	010·3
19	010·5	010·2	010·1	009·8	010·0	010·0	009·9	010·1	010·1	010·5	010·6	010·4	010·4	010·2	010·4	010·5	010·8	011·2	012·2	012·6	013·2	013·3	013·9	014·4	011·0
20	014·7	014·8	015·0	015·1	015·4	015·8	016·0	016·6	016·7	016·7	017·0	017·1	017·0	016·3	015·9	015·7	015·2	015·5	015·7	015·5	015·5	015·7	015·7	015·6	015·8
21	015·1	014·7	014·2	013·0	012·5	011·9	011·9	011·2	011·2	010·8	010·8	010·0	009·4	008·9	008·6	008·0	007·1	007·0	007·1	007·0	007·3	006·8	006·8	006·7	010·1
22	006·5	006·2	006·1	006·3	006·7	006·7	006·7	007·1	007·1	006·9	006·8	006·6	006·2	006·2	006·2	005·9	005·7	005·6	005·8	005·7	005·5	005·3	004·8	004·6	006·2
23	004·5	004·3	003·8	003·4	003·3	003·3	003·3	003·3	003·3	002·8	002·5	001·6	000·1	999·1	998·8	997·9	997·6	996·6	996·1	996·1	995·7	994·5	994·4	993·5	000·2
24	993·0	993·0	992·4	993·2	993·6	993·7	994·5	994·8	995·5	996·1	996·7	997·0	997·2	997·5	997·6	997·5	997·9	998·3	998·5	999·2	999·6	999·9	000·4	000·8	996·4
25	000·8	000·8	000·8	000·7	000·8	001·0	001·0	001·7	002·0	002·1	002·1	001·9	002·2	001·8	001·4	001·3	001·1	001·3	001·3	001·2	001·2	000·6	000·6	000·6	001·3
26	000·4	000·2	000·1	999·8	999·6	999·5	999·3	999·4	999·9	000·4	000·2	000·0	000·0	000·0	000·2	000·2	000·5	000·7	001·0	001·1	001·3	001·3	001·2	001·2	000·3
27	001·2	001·2	001·0	000·7	001·1	001·4	001·6	002·0	002·7	003·3	003·5	003·8	003·5	003·5	003·8	004·3	005·0	005·6	006·0	006·3	006·8	007·1	007·0	006·4	003·6
28	006·3	006·1	006·1	005·7	005·7	005·7	006·0	006·4	006·6	006·9	007·3	007·3	007·2	006·9	006·8	006·6	006·6	006·9	007·0	007·0	006·9	006·7	006·8	006·6	006·6
29	006·6	006·1	005·9	005·5	005·5	005·5	006·0	005·8	005·6	005·3	005·2	004·7	004·1	003·6	003·2	002·9	003·0	003·3	003·1	003·0	003·0	002·8	002·7	002·3	004·5
Mean (Station Level)	1005·23	1005·13	1004·95	1004·83	1004·88	1004·88	1004·99	1005·21	1005·41	1005·53	1005·56	1005·40	1005·09	1004·78	1004·67	1004·62	1004·69	1004·89	1005·02	1005·04	1005·12	1005·04	1005·02	1004·98	1005·05
Mean (Sea Level)	1035·28	1035·19	1035·01	1034·89	1034·93	1034·92	1035·05	1035·27	1035·36	1035·37	1035·27	1035·00	1034·63	1034·29	1034·19	1034·20	1034·42	1034·75	1034·94	1035·01	1035·13	1035·08	1035·08	1035·04	1034·94
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.

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, 1932.

Hour. G.M.T.	1.	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	002·2	001·5	001·0	000·9	000·7	000·5	000·5	000·2	000·1	000·0	999·0	998·2	997·4	996·7	995·7	995·4	994·8	994·5	993·7	993·8	993·7	993·0	993·0	992·9	997·7
2	992·2	992·1	991·1	990·7	989·9	989·7	989·3	989·0	988·6	988·4	987·9	987·6	986·8	986·5	985·7	985·5	985·6	985·7	985·9	985·9	985·9	986·0	985·8	985·7	988·0
3	985·6	985·5	985·4	985·5	985·5	985·8	986·2	986·6	987·0	987·2	987·1	986·9	986·8	986·7	986·7	986·7	987·2	988·0	988·7	989·3	989·6	989·6	989·6	989·5	987·1
4	989·5	989·4	989·4	989·2	989·2	989·4	989·7	989·8	990·0	989·9	989·4	988·8	988·6	988·0	987·3	986·8	986·4	986·0	988·8	985·5	985·4	984·5	983·6	982·9	987·8
5	981·7	981·0	979·9	978·6	977·9	977·1	976·2	975·2	974·4	972·5	971·5	971·0	970·2	969·0	968·4	968·3	967·8	967·8	967·7	967·7	967·8	968·3	967·4	967·2	972·6
6	967·0	967·0	967·5	967·8	968·1	967·8	967·7	968·3	968·3	969·2	969·2	969·2	969·3	969·3	969·6	970·0	969·9	970·7	971·1	971·2	972·0	972·7	973·5	973·8	969·5
7	973·9	974·6	974·2	974·9	975·5	976·3	977·0	977·9	978·1	978·0	977·7	976·7	975·2	973·9	972·7	971·2	970·0	970·3	970·7	971·3	972·5	973·3	974·1	975·3	974·4
8	975·7	976·3	976·3	976·8	977·5	978·1	978·7	979·1	979·6	980·0	980·6	980·7	981·1	981·3	981·5	981·5	981·8	982·4	983·1	983·5	983·7	984·1	984·4	984·7	980·3
9	985·0	985·3	985·3	985·5	985·9	986·7	987·2	987·7	988·0	988·2	988·5	988·5	988·7	988·6	988·5	988·4	988·6	988·6	988·6	988·6	988·6	988·3	988·0	987·8	987·6
10	987·6	987·0	986·7	986·3	985·9	985·7	986·0	985·9	985·9	985·8	985·5	985·5	985·2	985·1	985·0	985·1	985·3	985·5	986·0	986·2	986·4	986·4	986·2	986·5	986·0
11	986·2	986·3	986·2	986·3	986·8	987·7	988·3	989·3	990·0	990·9	991·6	992·1	992·6	993·1	993·6	993·9	994·6	995·3	995·9	996·1	996·6	996·9	997·0	997·1	991·6
12	997·0	996·8	996·5	996·1	995·8	995·5	995·5	995·2	995·0	994·7	994·4	994·0	993·3	992·9	992·7	992·7	992·8	992·8	992·7	993·0	993·2	993·2	993·2	992·9	994·3
13	992·6	992·5	992·2	991·9	992·1	992·1	992·0	992·0	992·3	992·0	992·0	991·9	991·7	991·4	991·3	990·9	990·9	991·1	991·1	991·2	991·2	991·3	991·2	991·2	991·7
14	991·1	990·7	990·5	990·1	990·1	990·3	990·7	991·1	991·7	992·2	992·2	992·2	992·1	992·2	992·5	992·5	993·2	994·1	994·9	995·5	996·1	996·7	997·0	997·6	992·7
15	997·7	997·8	997·7	997·8	998·2	998·3	998·6	998·8	998·9	999·0	998·8	998·6	998·1	997·6	997·4	997·1	996·9	996·8	996·8	996·8	996·7	996·5	996·4	996·0	997·7
16	995·7	995·2	994·8	994·5	994·5	994·2	994·2	994·2	994·1	994·1	993·8	993·5	993·1	992·9	992·8	992·6	992·4	992·5	992·7	992·7	992·7	992·9	993·0	993·0	993·7
17	993·0	992·7	992·7	992·7	992·7	992·7	992·7	992·8	992·8	993·0	993·0	993·0	992·8	992·8	992·8	992·6	992·6	992·7	992·9	993·2	993·4	993·6	993·6	993·9	992·9
18	994·0	994·0	994·0	994·2	994·7	995·2	995·5	995·5	995·6	995·9	995·7	995·7	995·6	995·2	995·1	995·1	995·3	995·5	995·7	995·7	995·8	995·8	995·8	995·6	995·2
19	995·5	995·3	995·1	994·9	994·5	994·6	994·9	995·1	995·0	994·7	994·6	994·5	994·1	994·1	994·1	994·1	994·2	994·4	994·6	994·7	994·7	994·7	994·9	995·2	994·7
20	995·0	995·1	995·0	994·9	995·2	995·3	995·8	996·0	996·5	996·6	996·3	996·3	995·8	995·7	995·5	995·2	995·1	995·1	995·0	995·0	994·9	994·4	994·3	993·9	995·4
21	993·6	993·1	992·8	992·1	992·0	991·8	991·8	991·8	991·8	991·8	991·8	991·9	992·0	991·9	991·9	992·0	992·5	993·0	993·2	993·6	993·6	993·7	993·8	993·6	992·6
22	993·4	993·1	992·8	991·9	991·7	991·2	991·0	990·9	990·4	990·3	989·6	989·3	988·8	988·4	988·1	988·1	988·3	988·4	989·0	989·3	989·3	989·3	989·3	989·3	990·1
23	989·5	989·3	989·3	989·3	989·5	989·8	990·1	990·4	990·6	990·5	990·5	990·2	990·1	989·8	989·8	989·5	989·5	989·7	990·0	990·1	990·3	990·3	990·2	990·0	989·9
24	989·8	989·5	989·0	988·8	988·8	988·8	988·7	988·7	988·5	988·4	987·9	987·5	987·1	986·5	986·1	985·8	985·6	985·3	985·2	985·1	984·6	984·1	983.5	983.0	987·1
25	982·7	982·5	981·9	981·4	981·2	981·2	981·3	981·3	981·0	980·6	979·8	979·0	978·3	977·4	977·0	976·5	976·5	976·8	976·9	976·9	976·5	976·7	977·0	977·1	979·2
26	976·8	976·8	976·0	976·3	976·8	976·8	976·8	976·9	976·9	977·1	976·8	977·0	977·3	977·3	977·6	977·5	977·6	977·8	978·1	978·4	978·7	978·2	977·8	977·1	977·3
27	976·9	976·4	975·7	974·7	974·1	973·8	973·3	972·6	971·9	971·4	970·7	970·0	969·2	968·5	968·2	967·8	967·6	967·2	966·9	966·1	965·6	964·4	963·7	962·8	970·3
28	962·0	961·5	961·2	961·2	961·4	961·7	961·9	961·9	962·1	962·1	961·9	961·9	961·9	961·9	961·8	962·2	962·6	963·2	963·5	963·8	964·0	964·1	964·1	964·3	962·4
29	964·5	964·6	964·6	964·8	965·1	965·3	965·5	965·6	965·8	965·7	965·4	965·1	964·7	964·0	963·4	962·3	961·7	961·1	961·1	960·9	960·8	960·3	959·8	959·3	963·5
30	958·1	957·3	956·1	954·8	954·5	954·5	954·8	955·5	956·0	956·3	956·4	956·7	957·1	957·6	957·6	958·1	958·6	959·0	959·3	959·8	959·8	959·8	960·0	959·9	957·4
31	959·8	959·6	959·4	959·6	960·1	961·5	962·4	963·6	965·0	966·3	967·9	969·1	970·0	970·8	970·9	971·6	972·3	973·4	974·3	975·0	975·6	975·9	976·2	976·0	967·8
Mean (Station Level)	984·69	984·51	984·20	984·02	984·06	984·17	984·33	984·48	984·58	984·61	984·44	984·28	984·03	983·78	983·59	983·45	983·49	983·70	983·91	984·06	984·18	984·16	984·11	984·04	984·14
Mean (Sea Level)	1014·04	1013·87	1013·55	1013·38	1013·44	1013·56	1013·71	1013·78	1013·77	1013·67	1013·42	1013·21	1012·93	1012·67	1012·48	1012·35	1012·46	1012·76	1013·06	1013·26	1013·46	1013·48	1013·45	1013·38	1013·32

Station Level

170. Eskdalemuir: H_b = 237·3 metres. April, 1932.

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	975·8	975·7	975·5	974·9	974·7	974·2	973·7	972·6	971·8	970·3	969·3	968·0	966·5	965·0	963·0	961·8	960·7	959·4	958·5	957·9	957·1	956·4	955·8	955·3	966·8
2	954·6	954·5	954·2	954·0	954·3	954·8	955·1	955·2	955·9	955·8	956·5	956·6	956·6	956·6	956·5	956·4	956·3	956·7	957·1	957·7	958·0	958·2	958·4	958·5	956·1
3	958·7	958·7	958·6	958·7	959·7	960·2	961·0	962·1	962·8	963·3	964·0	964·4	964·8	965·2	965·6	965·8	966·7	967·7	968·5	969·0	969·4	969·7	969·8	970·7	964·1
4	970·9	971·0	971·0	971·3	971·3	972·0	972·5	973·0	973·5	973·7	974·1	974·3	974·8	974·7	975·3	975·6	976·2	976·9	977·8	978·5	978·9	979·3	979·9	980·2	974·7
5	980·3	980·2	980·1	979·9	979·7	979·9	979·9	979·8	979·5	978·5	978·9	978·5	978·8	978·3	978·1	978·1	978·3	978·0	977·9	977·4	976·7	976·1	975·8	975·0	978·6
6	973·5	972·3	971·3	969·9	969·3	968·8	967·8	967·1	966·8	965·9	965·2	965·1	964·8	964·2	963·6	963·3	963·0	962·5	961·9	961·1	960·3	959·7	958·8	958·4	965·5
7	957·8	956·9	956·5	956·2	956·3	957·0	957·5	957·8	958·0	958·3	958·3	958·3	958·3	958·7	958·4	958·7	959·4	960·3	961·2	962·3	962·8	964·3	966·0	967·4	959·3
8	969·8	970·9	972·3	973·9	975·0	976·8	978·2	979·4	980·7	981·7	982·5	983·4	984·3	985·0	985·4	985·8	986·5	987·0	987·5	988·1	988·2	988·1	988·1	987·5	981·5
9	986·5	985·1	983·5	981·1	979·0	976·9	975·2	973·7	973·0	973·0	972·5	971·5	970·9	970·1	969·0	967·8	966·5	965·2	964·2	963·2	963·1	961·7	960·2	959·0	971·9
10	958·3	957·8	957·5	956·8	956·1	955·5	954·7	953·8	952·5	952·0	950·8	951·0	951·8	953·5	955·2	957·1	958·9	959·5	960·0	961·7	962·3	962·7	963·0	963·0	956·8
11	963·5	963·9	963·6	964·2	965·1	966·1	966·7	968·5	969·9	971·8	972·4	972·9	973·5	974·2	975·3	976·3	977·3	978·1	979·6	980·9	982·6	983·2	983·9	984·3	972·8
12	985·2	985·8	986·2	986·7	987·2	988·2	989·2	990·1	990·8	992·0	992·6	993·3	994·1	994·7	995·3	995·7	996·5	997·7	998·6	999·4	000·1	000·4	000·7	000·8	993·0
13	000·6	000·7	000·7	000·6	000·5	000·8	000·0	999·8	999·4	999·1	998·1	997·3	996·6	995·5	994·6	993·6	992·7	991·5	990·4	989·4	988·3	987·1	985·6	984·2	995·6
14	982·7	981·2	979·7	979·2	978·5	978·5	978·1	978·1	978·0	978·2	978·0	978·0	977·8	977·6	977·5	977·5	977·5	977·5	977·8	978·4	978·9	978·9	979·3	979·6	978·7
15	979·5	979·5	979·8	979·8	980·6	980·7	981·5	982·2	983·0	983·5	984·2	984·5	985·1	985·6	986·2	986·8	987·5	988·4	989·4	990·3	990·8	991·1	991·3	991·6	984·9
16	991·7	991·7	991·7	991·6	991·9	992·4	992·4	992·5	992·3	992·1	992·2	991·9	991·7	991·5	991·5	991·3	991·4	991·9	992·2	992·6	992·6	992·6	992·5	992·5	992·0
17	992·5	992·4	992·2	992·1	992·1	992·4	992·5	992·4	992·5	992·5	992·4	992·4	992·4	992·1	992·0	992·0	992·2	992·2	992·4	992·7	992·8	992·7	992·7	992·6	992·4
18	992·5	992·4	992·2	992·0	991·8	991·9	992·0	991·9	991·8	991·9	991·7	991·5	991·2	990·8	990·1	989·6	989·4	989·1	988·8	988·9	988·6	988·4	988·2	987·8	990·7
19	987·2	986·7	986·1	985·7	985·4	984·9	984·6	984·1	983·5	982·9	982·1	981·4	980·7	980·0	979·1	978·4	977·6	977·0	976·0	975·2	974·3	973·3	972·6	971·9	980·8
20	971·5	970·8	970·0	969·4	969·1	968·9	968·7	968·5	968·3	967·7	967·3	967·2	967·4	966·9	967·5	967·1	967·1	967·1	967·3	967·8	968·0	968·1	968·2	968·2	968·3
21	968·4	968·4	968·4	968·5	968·9	969·3	969·6	970·0	970·4	970·7	971·0	971·5	972·3	972·5	972·4	972·9	973·2	973·3	973·7	974·4	974·7	975·0	975·1	975·3	971·5
22	975·3	975·5	975·5	975·5	975·7	976·0	976·0	976·1	976·0	975·9	975·9	975·5	975·4	975·2	975·2	975·1	975·0	974·6	974·3	973·5	972·6	971·4	970·1	970·6	974·8
23	970·9	971·2	971·1	971·0	970·6	970·6	971·0	971·1	971·5	971·5	971·6	971·5	972·4	972·8	973·4	973·7	974·0	973·6	974·1	975·0	976·1	977·5	979·4	980·3	973·0
24	980·6	981·6	981·7	981·7	981·9	982·6	983·5	983·6	984·5	984·8	984·9	984·7	984·7	985·0	~~984·7~~	984·6	984·6	984·9	984·9	984·9	985·1	985·1	985·2	985·1	984·0
25	985·2	985·0	985·0	985·0	985·2	985·7	985·9	986·1	986·0	986·0	985·9	985·9	985·8	985·5	985·3 984·7	984·9	984·5	984·5	984·5	984·5	984·5	984·2	983·8	983·6	985·1
26	983·3	983·0	982·4	981·8	981·5	980·9	980·8	980·5	980·0	979·8	979·5	979·3	979·0	978·8	978·6	978·4	978·4	978·5	978·6	979·0	979·5	979·5	979·6	979·9	980·1
27	980·0	980·1	980·2	980·3	980·4	980·5	980·5	980·4	980·4	980·1	979·9	979·3	979·0	978·5	978·1	977·4	976·9	976·5	976·6	976·5	976·4	976·0	975·4	975·1	978·6
28	974·6	973·8	973·0	972·3	972·0	971·9	971·9	972·0	972·0	971·9	971·5	971·3	971·2	971·3	971·3	971·1	971·2	970·9	971·2	971·2	971·2	971·1	971·1	971·2	971·8
29	971·2	971·3	971·3	971·4	971·6	971·9	972·4	972·8	973·2	973·2	973·4	973·5	973·9	973·8	973·8	973·8	973·7	974·1	974·4	975·1	975·5	975·8	975·8	976·1	973·4
30	976·0	975·9	975·6	975·6	976·4	976·8	977·1	977·7	978·1	977·9	978·3	978·3	978·5	978·6	978·6	979·0	979·0	979·4	980·1	980·8	981·0	980·9	981·4	981·9	978·3
Mean (Station Level)	976·62	976·47	976·23	976·04	976·08	976·25	976·34	976·46	976·55	976·54	976·50	976·41	976·48	976·41	976·35	976·32	976·41	976·47	976·65	976·91	977·01	976·95	976·92	976·92	976·51
Mean (Sea Level)	1005·76	1005·61	1005·37	1005·19	1005·24	1005·35	1005·31	1005·30	1005·29	1005·19	1005·09	1004·96	1005·03	1004·91	1004·87	1004·84	1004·98	1005·12	1005·42	1005·80	1005·95	1005·91	1005·92	1005·97	1005·34
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

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

Readings in millibars at exact hours, Greenwich Mean Time.

171. Eskdalemuir: H_b (height of barometer cistern above M.S.L.) = 237·3 metres. May, 1932.

Hour G.M.T.	1.	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	981·7	981·6	981·2	981·5	981·5	982·0	982·3	982·3	982·6	982·3	982·5	982·5	982·3	982·3	982·2	982·2	982·6	982·6	983·0	982·9	983·4	983·3	983·0	983·0	982·3
2	983·2	982·6	982·0	981·6	981·6	982·2	982·0	981·4	982·2	982·5	982·7	983·2	983·2	983·7	983·6	983·5	983·1	984·2	985·2	986·2	987·3	987·6	988·3	988·7	983·7
3	988·8	989·1	989·4	989·8	990·3	990·8	991·5	992·3	992·7	993·0	992·7	992·7	992·7	992·4	992·3	992·3	992·8	993·2	993·5	994·2	994·2	994·6	994·7	994·6	992·2
4	994·3	994·1	993·5	993·0	993·0	992·8	992·7	992·9	992·7	992·4	992·4	992·1	991·8	991·6	991·4	991·1	990·8	990·5	990·7	991·0	990·9	990·6	990·4	990·2	992·0
5	989·9	989·7	989·4	989·0	989·0	989·0	988·7	988·6	988·0	987·5	987·3	986·9	986·7	986·5	986·0	986·0	985·5	985·2	985·0	984·9	984·5	984·5	984·2	983·9	987·0
6	983·7	983·3	982·8	982·3	982·1	981·9	981·8	981·5	981·3	980·9	980·2	980·3	980·4	980·0	979·6	979·4	979·0	978·9	978·6	978·8	978·8	978·5	978·2	977·7	980·5
7	977·4	977·1	976·8	976·6	976·5	976·6	976·6	976·6	976·7	976·3	976·1	976·0	975·8	975·7	975·6	975·5	975·8	976·3	976·8	976·8	976·9	976·8	976·6	976·3	976·5
8	976·2	976·3	976·2	976·2	976·4	976·6	976·6	976·7	976·6	976·5	976·4	976·4	976·1	976·6	976·3	976·1	975·9	976·0	976·2	976·4	976·5	976·5	976·5	976·5	976·4
9	976·3	976·2	975·7	975·3	975·5	975·6	975·7	975·8	976·0	976·0	976·0	976·0	976·1	976·1	976·1	976·2	976·5	977·1	977·3	977·9	978·5	978·9	979·3	979·4	976·6
10	979·5	979·9	979·9	980·4	980·8	981·2	981·4	981·9	982·0	982·0	982·1	982·3	982·4	982·5	982·4	982·5	982·6	982·7	983·1	983·4	983·9	983·9	983·5	983·4	982·0
11	983·1	982·9	982·5	982·3	982·2	982·2	982·2	982·1	982·1	981·9	981·7	981·4	981·2	981·0	981·0	980·7	980·5	980·6	980·6	980·5	980·5	979·6	979·1	978·7	981·4
12	977·9	977·3	976·4	976·1	975·7	975·5	975·8	975·7	975·7	975·7	975·6	975·7	975·5	975·5	975·3	974·8	974·3	973·6	972·9	972·7	972·4	973·0	973·3	973·7	975·1
13	975·0	975·1	975·0	975·4	975·7	975·9	976·1	976·0	976·0	976·0	975·8	975·6	975·6	975·6	975·5	975·7	976·2	976·6	976·8	977·1	978·0	978·4	978·6	979·0	976·2
14	979·4	979·6	980·2	980·8	981·6	982·1	982·7	983·3	983·7	984·4	984·8	985·2	985·5	985·7	985·7	985·8	986·2	986·3	986·3	986·6	986·9	987·0	987·0	986·8	984·2
15	986·5	986·1	985·7	985·4	985·4	985·4	985·4	985·3	984·8	984·4	983·7	983·4	982·9	982·3	982·0	982·0	982·0	981·7	981·6	981·6	981·5	981·0	980·5	979·8	983·5
16	979·0	978·4	977·7	977·1	976·8	976·8	977·3	977·3	977·3	977·4	978·4	978·9	979·3	980·0	980·7	981·7	982·2	983·0	984·0	984·6	985·4	986·2	986·6	987·1	980·4
17	987·7	988·1	988·0	988·2	988·6	988·7	989·0	988·9	989·3	989·3	989·7	989·8	989·8	989·8	989·9	989·9	990·2	990·5	990·8	991·4	991·6	991·6	991·5	991·6	989·7
18	991·5	991·1	990·8	990·7	990·5	990·4	990·0	990·2	989·7	989·4	989·0	988·3	987·5	986·8	986·5	986·0	985·6	985·4	984·9	985·5	986·3	986·6	987·0	987·0	988·3
19	986·9	986·7	986·5	986·5	986·7	986·7	987·0	987·2	987·2	987·1	986·2	986·0	985·6	984·9	984·1	983·6	983·1	982·3	981·3	980·6	981·5	981·6	981·5	981·3	984·8
20	981·3	981·1	980·8	981·2	981·5	981·6	982·0	982·1	982·3	982·3	982·3	982·0	981·8	981·5	981·1	980·6	980·0	979·6	979·6	979·8	980·6	980·3	980·4	980·4	981·1
21	980·2	980·1	980·1	979·8	979·9	980·0	980·1	980·4	980·7	980·7	980·7	980·7	980·8	980·8	981·2	981·0	981·0	980·9	981·3	981·6	981·9	981·3	980·9	980·6	980·7
22	980·5	979·9	979·4	979·1	978·7	978·7	978·8	979·3	979·3	979·0	978·7	978·3	978·1	977·9	978·0	977·7	977·8	978·4	978·7	979·0	979·1	979·2	979·2	979·3	978·9
23	979·3	979·3	979·4	979·4	979·3	979·3	979·4	979·4	979·5	979·5	979·6	979·7	979·8	979·8	979·6	979·5	979·8	979·9	980·2	980·8	981·0	981·8	982·0	982·2	979·9
24	982·3	982·4	982·6	983·2	983·5	983·7	984·0	984·5	984·6	984·6	984·6	984·6	984·6	984·6	984·6	984·9	984·9	984·8	985·2	985·8	986·1	986·4	986·3	986·3	984·5
25	986·1	986·0	985·8	985·6	985·7	985·6	985·6	985·4	985·4	985·1	984·9	984·8	983·8	984·1	984·0	983·7	983·4	983·5	984·0	984·4	984·6	984·9	984·7	984·3	984·9
26	983·7	983·4	983·3	983·9	984·1	984·6	984·8	985·2	985·3	985·7	986·0	986·0	986·2	986·4	986·1	986·5	987·1	987·2	987·7	987·9	988·0	988·0	987·9	987·8	985·9
27	987·6	987·3	986·6	986·4	986·3	986·2	986·0	985·7	985·8	985·3	984·9	984·5	984·0	984·1	984·1	984·0	984·0	984·0	984·2	984·6	984·6	984·7	984·3	984·2	985·2
28	984·2	984·2	984·2	984·2	984·7	984·9	985·2	985·5	985·6	985·8	985·8	986·0	985·9	985·8	985·6	985·5	985·5	985·4	985·0	985·1	984·9	984·6	984·0	983·2	985·1
29	982·1	982·1	981·9	981·5	981·3	981·3	981·2	981·3	981·2	981·2	981·5	981·9	982·6	983·4	983·7	984·0	984·7	984·9	985·7	986·2	986·7	986·9	987·0	987·4	983·3
30	987·3	987·8	988·2	988·4	988·9	989·2	989·3	989·4	989·5	989·4	989·2	989·0	988·9	988·9	988·8	988·5	988·3	988·2	988·2	988·8	989·0	989·0	988·7	988·6	988·7
31	988·5	988·4	988·2	988·2	988·2	987·9	987·8	987·5	987·3	987·2	986·6	986·4	986·1	985·7	985·3	985·1	985·0	984·8	985·0	985·0	984·9	985·0	985·0	985·1	986·5
Mean (Station Level)	983·26	983·14	982·91	982·87	982·97	983·08	983·19	983·28	983·33	983·25	983·16	983·12	983·00	982·97	982·85	982·77	982·79	982·85	983·01	983·29	983·56	983·62	983·56	983·49	983·14
Mean (Sea Level)	1012·16	1012 104	1011·81	1011·77	1011·84	1011·88	1011·91	1011·89	1011·85	1011·69	1011·54	1011·45	1011·31	1011·29	1011·16	1011·12	1011·18	1011·29	1011·55	1011·95	1012·30	1012·41	1012·40	1012·37	1011·75

172. Eskdalemuir: H_b = 237·3 metres. June, 1932.

(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	985·1	985·2	985·2	985·0	985·2	985·6	985·7	985·8	986·0	986·1	986·4	986·2	986·0	985·9	985·9	986·0	986·2	986·3	986·7	987·0	987·4	987·7	987·7	987·8	986·1
2	987·8	987·8	987·8	987·8	987·8	987·8	987·8	987·7	987·4	987·3	987·2	987·2	986·9	986·6	986·3	986·1	985·8	986·0	986·3	986·3	986·4	987·0	986·9	987·1	987·1
3	986·9	987·0	986·9	986·9	987·0	987·2	987·5	987·8	987·8	987·8	987·8	987·9	987·8	987·7	987·6	987·6	987·7	987·6	987·7	988·0	988·4	988·7	988·9	988·9	987·7
4	989·2	988·9	988·6	988·5	988·6	988·6	989·0	989·3	989·3	989·8	989·8	989·8	989·9	990·0	990·0	989·9	990·0	990·1	990·3	990·6	991·4	991·5	991·8	991·7	989·8
5	991·6	991·4	991·3	991·2	991·2	991·1	991·1	991·3	991·5	991·2	991·1	991·0	990·8	990·8	990·7	990·7	990·7	990·8	991·3	991·8	992·2	992·7	992·8	993·3	991·4
6	993·2	993·3	993·3	993·3	993·5	993·7	993·8	994·1	993·9	993·8	993·7	993·6	993·4	993·3	993·2	993·1	993·1	993·1	993·1	993·2	993·4	993·6	993·8	993·9	993·5
7	993·9	993·9	993·8	993·8	993·8	993·9	993·9	994·0	993·8	994·0	993·8	993·7	993·5	993·5	993·5	993·0	993·0	992·9	992·9	992·8	992·9	992·7	992·6	992·6	993·5
8	992·3	992·4	992·4	992·6	992·7	993·0	993·4	993·7	993·9	994·0	994·2	994·5	994·5	994·5	994·4	994·0	993·9	993·8	993·8	993·9	994·2	994·2	994·2	994·1	993·7
9	993·8	993·5	993·4	993·2	993·2	993·1	993·1	993·3	993·0	993·0	992·9	992·6	992·4	992·2	991·9	991·9	991·8	991·5	991·5	991·8	991·8	991·7	991·6	991·3	992·5
10	991·0	990·6	990·0	989·9	989·9	989·9	989·9	990·0	989·6	989·3	989·3	989·1	988·6	988·3	988·0	987·8	987·8	987·6	987·6	987·6	987·7	987·6	987·4	987·2	988·9
11	987·0	986·9	986·4	986·2	986·1	985·9	985·7	985·4	985·1	984·5	984·2	984·1	983·6	983·4	983·0	982·8	982·4	982·6	983·0	983·2	983·6	983·6	983·6	983·6	984·5
12	983·8	984·1	984·2	984·4	984·9	985·2	986·0	986·2	986·5	986·9	987·4	988·1	988·3	988·9	989·5	990·3	991·2	991·6	992·0	992·7	993·4	993·9	994·5	994·6	988·5
13	994·9	995·0	995·1	995·0	995·3	995·4	995·9	996·0	996·0	995·8	995·6	995·4	995·3	995·2	995·2	995·2	995·3	995·4	995·6	996·1	996·6	996·7	996·7	996·9	995·6
14	996·8	996·8	996·8	996·9	997·2	997·3	997·8	997·9	998·1	998·1	998·0	997·9	997·9	997·8	997·6	997·7	997·8	998·1	998·3	998·8	999·4	999·5	999·9	999·9	997·9
15	999·7	999·6	999·6	999·8	999·8	999·9	000·1	000·2	000·2	000·0	999·6	999·3	999·1	998·8	998·7	998·3	998·1	998·1	998·2	998·7	999·6	999·9	999·5	999·5	999·4
16	999·9	999·7	999·5	999·3	999·3	999·0	999·0	999·1	999·0	998·8	998·7	998·3	998·0	997·6	997·5	997·3	997·0	996·8	996·8	997·1	997·5	997·5	997·5	997·6	998·3
17	997·7	997·6	997·5	997·5	997·5	997·5	997·5	997·5	997·2	996·9	996·7	996·4	996·1	995·6	995·3	995·0	995·2	995·5	996·0	996·0	996·6	996·7	996·7	996·7	996·6
18	996·5	996·3	996·4	996·3	996·2	996·4	996·1	996·0	995·8	995·7	995·6	995·6	995·4	995·1	994·6	994·2	993·8	993·8	993·7	993·6	993·9	993·9	993·9	993·9	995·2
19	993·7	993·4	993·2	992·8	992·5	992·5	992·6	992·6	992·5	992·2	992·1	991·7	991·7	991·6	991·2	991·0	990·9	990·5	990·5	990·7	991·4	991·3	991·3	991·2	991·9
20	991·0	990·7	990·6	990·4	990·3	990·4	990·4	990·3	989·7	989·4	989·0	988·7	988·6	988·5	988·3	988·1	987·9	988·1	988·4	989·1	989·7	989·9	990·0	990·2	989·5
21	990·1	990·4	990·3	990·2	990·3	990·5	990·9	991·2	991·3	991·5	991·6	991·5	991·5	991·4	991·4	991·2	991·2	991·4	991·7	992·2	992·7	993·1	993·3	993·3	991·4
22	993·4	993·5	993·7	993·9	993·8	993·7	993·9	994·0	994·1	994·2	994·2	994·2	994·2	994·2	994·4	994·4	994·7	995·0	995·3	996·0	996·6	997·0	997·1	997·2	994·6
23	997·4	997·4	997·4	997·5	997·5	997·6	997·6	997·9	997·9	998·1	998·1	997·9	997·8	997·6	997·3	997·0	996·7	996·5	996·5	996·4	996·5	996·6	996·5	996·0	997·3
24	995·5	994·9	994·5	994·2	994·0	993·8	993·3	992·9	992·4	992·0	991·5	991·3	991·1	990·6	989·9	989·4	989·1	988·6	988·5	988·1	988·1	988·0	987·6	987·2	991·3
25	986·8	986·6	986·5	986·2	986·2	986·5	986·5	986·5	986·6	986·6	986·4	986·4	986·3	986·1	985·7	985·5	985·6	985·6	985·6	985·8	985·6	985·4	985·0	984·8	986·1
26	984·6	984·5	984·3	984·1	983·9	983·8	983·8	983·8	983·8	983·6	983·3	983·0	982·9	982·8	982·4	982·2	982·0	981·7	981·5	981·3	981·1	981·1	980·8	980·4	982·9
27	980·3	980·0	979·9	979·7	979·7	979·8	979·8	980·0	980·2	980·6	980·6	980·7	981·0	981·5	981·6	981·5	981·4	981·4	981·4	981·3	981·3	980·9	980·7	980·5	980·7
28	980·2	979·0	978·1	978·1	978·2	977·7	978·4	978·3	978·3	978·4	978·8	979·6	980·2	980·5	980·8	981·3	981·7	982·3	983·0	983·5	983·8	984·3	984·5	984·6	980·5
29	984·5	984·4	984·4	984·5	984·6	984·7	984·7	984·7	984·7	984·6	984·4	984·3	984·0	983·5	983·2	982·6	982·5	982·1	982·0	981·7	982·0	981·6	980·8	980·1	983·5
30	979·3	978·5	977·4	976·5	975·6	975·5	975·0	974·8	974·8	974·8	974·6	974·6	974·6	974·4	973·8	973·2	972·3	971·5	970·4	969·5	968·3	967·0	965·7	964·0	973·5
Mean (Station Level)	990·60	990·44	990·28	990·19	990·19	990·23	990·34	990·41	990·35	990·30	990·22	990·15	990·05	989·93	989·76	989·61	989·56	989·54	989·66	989·83	990·12	990·18	990·11	990·00	990·10
Mean (Sea Level)	1019·40	1019·30	1019·18	1019·10	1019·11	1018·90	1018·88	1018·81	1018·60	1018·46	1018·30	1018·18	1018·03	1017·88	1017·69	1017·55	1017·55	1017·61	1017·83	1018·17	1018·71	1018·77	1018·76	1018·73	1018·48
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 006·6. This rule does not, however, apply to monthly means.

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, 1932.

Hour G.M.T.	1.	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	962·4	961·2	960·5	959·6	959·1	959·0	959·7	961·0	962·2	963·0	963·6	964·0	964·1	964·5	964·9	965·7	965·9	966·1	966·8	967·7	968·3	969·1	970·0	970·5	964·0
2	971·4	972·2	973·1	973·6	974·5	975·1	975·8	976·8	977·1	977·4	977·7	978·4	978·9	978·9	979·0	979·2	979·2	979·3	979·6	979·8	980·5	980·7	981·2	981·6	977·3
3	981·7	981·5	982·0	982·4	982·6	982·9	983·0	983·3	983·4	983·4	983·6	983·9	983·9	983·9	983·7	983·6	983·0	982·6	982·6	982·5	982·1	982·1	982·1	981·9	982·8
4	981·7	981·2	980·9	980·6	980·6	980·6	980·6	980·7	980·7	980·7	980·4	980·0	979·7	979·4	978·7	979·0	978·6	978·7	978·9	979·3	980·4	980·9	981·1	981·1	980·2
5	981·2	981·2	981·2	981·2	981·4	981·7	982·0	981·9	981·9	981·7	981·5	981·4	981·2	981·1	981·2	981·2	980·9	980·8	980·9	980·9	981·1	981·1	980·9	980·4	981·3
6	980·3	980·0	979·8	979·7	979·7	979·7	979·8	979·8	979·8	979·5	979·5	979·6	979·6	980·0	979·9	980·0	980·1	980·4	980·9	988·2	981·5	981·7	982·0	982·5	980·3
7	982·8	982·8	982·9	983·3	983·7	984·3	984·9	985·1	985·3	985·8	986·0	986·7	987·1	987·2	987·2	987·6	987·7	988·3	988·6	988·8	989·0	989·3	989·2	989·1	986·2
8	988·5	988·5	988·5	988·5	988·6	988·6	988·6	988·9	989·0	988·8	988·8	988·9	989·0	989·2	989·2	989·2	989·4	989·9	990·0	990·8	990·8	990·8	991·0	991·0	989·3
9	990·9	990·9	991·0	991·0	990·9	991·2	991·6	991·9	992·1	992·2	992·4	992·4	992·2	992·7	992·6	992·3	992·1	992·2	992·1	992·3	992·7	992·7	992·7	992·7	992·0
10	992·5	992·4	991·9	991·6	991·6	991·5	991·5	991·3	991·1	990·9	990·5	990·0	989·8	989·5	989·0	988·6	988·3	988·2	987·8	987·9	988·0	988·2	988·2	988·0	990·0
11	987·5	987·4	987·3	987·2	987·1	987·1	987·4	987·6	988·0	988·0	987·9	988·0	988·0	987·9	988·2	988·2	988·4	988·6	988·7	988·9	989·0	989·1	989·2	989·6	988·1
12	989·1	989·2	989·2	988·9	989·3	989·7	990·1	990·4	990·3	990·2	990·1	990·1	990·0	990·0	989·9	989·5	988·7	988·6	989·0	988·8	989·2	988·8	988·1	988·0	989·4
13	987·6	987·1	986·5	985·9	985·7	985·7	985·7	986·0	986·0	984·6	984·1	984·6	984·3	983·8	983·7	983·0	983·0	983·3	983·0	983·2	983·6	983·4	983·2	983·1	984·7
14	983·8	983·6	983·7	983·7	984·1	984·0	984·1	984·4	984·7	984·7	985·0	985·1	985·0	984·7	984·5	984·4	984·5	984·6	984·9	985·2	985·4	985·2	985·1	984·7	984·5
15	984·5	983·9	983·5	983·4	982·9	982·6	982·4	981·8	981·6	980·8	980·0	979·6	979·1	978·6	978·1	977·5	977·2	976·6	976·6	976·7	977·0	977·0	976·6	976·2	979·9
16	976·1	975·8	975·5	975·5	975·8	976·2	976·3	976·6	977·0	977·1	977·5	977·7	978·0	978·5	978·9	978·4	980·0	980·5	981·3	981·9	982·5	983·0	983·6	983·8	978·5
17	984·0	985·0	985·3	986·0	986·5	986·7	987·1	987·4	987·4	987·6	987·4	987·4	987·9	987·8	987·7	988·2	988·0	988·0	988·3	988·8	989·2	989·9	990·0	989·9	987·4
18	990·0	989·6	990·0	990·1	990·5	991·0	991·1	991·7	991·7	991·8	991·6	991·8	991·9	992·0	991·9	991·9	992·0	992·0	992·1	992·1	992·3	992·3	992·3	992·4	991·4
19	992·1	992·2	992·0	991·5	991·9	991·7	991·6	991·6	991·2	991·3	991·4	991·7	991·7	991·6	991·3	991·2	990·9	991·0	990·7	990·8	990·7	990·4	989·9	989·4	991·3
20	988·8	988·5	987·8	987·2	986·7	986·6	986·6	986·4	986·5	986·2	986·0	985·8	985·5	985·4	985·4	985·1	984·6	984·3	984·5	984·5	984·7	984·5	984·8	984·8	986·0
21	984·6	984·5	984·4	984·1	983·9	983·8	983·9	983·8	983·7	983·6	983·5	983·4	983·5	983·3	983·3	983·0	983·0	983·0	983·1	983·3	983·4	983·4	983·4	983·3	983·6
22	982·5	982·4	981·8	981·1	981·1	980·7	980·6	980·6	980·7	980·3	980·0	980·5	980·4	980·6	981·2	981·3	981·8	982·1	983·0	983·5	984·0	984·1	984·2	984·3	981·8
23	984·7	984·7	984·8	984·8	984·9	985·3	985·5	985·4	985·1	984·6	984·4	984·1	983·8	983·6	983·8	983·6	983·0	982·9	982·5	982·3	982·3	981·9	981·6	981·1	983·8
24	980·5	979·8	979·3	979·1	978·4	977·9	978·1	977·8	977·9	977·6	977·6	977·5	977·4	976·9	976·8	976·5	976·3	976·3	976·2	976·2	976·3	975·6	975·5	974·9	977·5
25	974·2	973·8	973·3	972·3	972·0	972·0	972·1	972·1	972·3	972·1	972·4	972·1	972·3	971·8	971·8	971·6	971·8	971·8	971·9	971·9	971·9	971·4	971·3	970·8	972·2
26	970·3	969·7	969·5	969·3	969·3	969·3	969·3	969·3	969·3	969·1	968·8	968·8	968·8	968·9	968·9	968·8	968·7	968·8	969·0	969·2	969·5	969·5	969·5	969·0	969·2
27	968·6	967·9	967·7	967·6	967·7	967·7	967·9	968·1	968·3	967·7	967·8	968·3	968·7	969·0	969·7	970·4	970·6	971·2	971·3	971·2	971·2	971·2	971·2	970·9	969·2
28	970·6	970·6	970·8	970·5	970·3	970·3	970·7	971·3	971·5	971·7	971·9	972·5	972·6	973·3	974·6	975·3	975·4	976·4	977·0	977·6	978·0	978·3	978·9	979·3	973·5
29	979·6	979·5	979·4	979·2	979·3	979·2	979·2	979·2	979·3	978·9	978·9	978·8	978·7	978·6	978·4	978·3	978·3	978·3	978·6	979·0	979·2	979·6	979·7	980·0	979·0
30	979·9	979·9	979·5	979·4	979·2	979·0	979·0	978·9	978·9	978·4	978·5	978·5	978·6	978·6	978·7	978·7	978·8	979·0	979·0	979·0	979·0	979·1	978·7	978·5	979·0
31	978·0	977·8	977·6	977·5	977·6	977·5	977·7	977·5	978·0	978·2	978·2	977·8	977·6	977·6	977·7	977·5	977·7	977·8	978·4	978·7	979·2	979·2	979·5	979·8	978·1
Mean (Station Level)	981·63	981·44	981·31	981·16	981·19	981·24	981·42	981·57	981·68	981·54	981·52	981·59	981·59	981·58	981·61	981·57	981·54	981·67	981·85	982·06	982·32	982·37	982·41	982·34	981·67
Mean (Sea Level)	1009·80	1009·63	1009·50	1009·35	1009·37	1009·38	1009·49	1009·60	1009·65	1009·45	1009·39	1009·42	1009·39	1009·36	1009·39	1009·37	1009·36	1009·53	1009·78	1010·10	1010·43	1010·54	1010·61	1010·55	1009·67

174. Eskdalemuir: H_b = 237·3 metres. August, 1932.

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	979·9	980·2	980·4	980·5	981·2	982·0	982·5	983·3	983·8	984·2	984·5	984·9	985·4	985·8	986·2	986·7	987·2	987·3	987·7	988·3	988·4	988·7	988·7	988·7	984·7
2	988·7	988·8	988·1	987·6	987·3	987·1	986·8	986·8	986·6	986·2	986·3	985·8	985·3	985·0	984·6	984·1	983·7	983·7	983·3	983·3	983·2	983·2	983·1	983·2	985·6
3	983·1	983·3	983·6	983·2	983·6	984·0	984·6	985·1	985·0	984·9	985·1	985·0	985·0	985·0	985·0	985·1	984·9	985·0	985·0	985·1	985·5	985·5	985·7	985·6	984·7
4	985·2	985·0	984·8	984·9	984·8	984·7	984·6	984·4	984·8	984·5	984·6	984·5	984·8	984·7	984·9	984·8	984·9	985·2	985·4	986·0	986·2	986·5	986·4	986·4	985·1
5	986·6	986·6	986·9	986·9	986·9	987·3	987·5	988·0	988·2	988·4	988·5	988·6	989·1	989·3	989·3	989·5	989·6	990·0	990·0	990·0	990·4	990·4	990·6	990·4	988·6
6	990·1	989·9	989·7	989·3	989·4	989·4	989·4	989·5	989·7	989·2	989·0	988·6	987·6	987·0	987·4	986·3	986·2	987·3	989·2	989·9	990·9	992·2	992·0	993·2	989·2
7	994·4	993·9	994·3	994·3	994·4	995·0	995·1	995·6	995·8	995·9	996·0	995·9	995·7	995·6	995·4	994·9	994·9	994·9	994·9	994·9	994·8	994·0	994·4	994·2	994·9
8	993·4	993·1	992·8	992·4	992·3	992·2	992·2	992·2	992·2	992·3	992·1	992·0	991·9	991·9	991·8	991·6	991·2	991·1	991·1	991·1	991·0	990·9	990·7	990·4	991·9
9	990·2	990·2	990·2	990·2	990·2	990·5	990·6	990·9	991·1	991·3	991·3	991·5	991·8	991·9	991·9	991·9	991·9	992·1	992·5	992·5	992·8	992·8	992·8	992·8	991·4
10	992·2	991·9	991·4	991·0	990·8	990·5	990·4	990·2	989·8	989·2	988·8	988·7	988·7	988·6	988·5	988·3	987·9	987·9	987·9	988·0	987·3	987·3	987·4	987·5	989·3
11	987·4	987·2	986·3	985·9	985·6	985·4	985·4	985·5	985·2	984·7	984·3	984·1	983·7	983·4	983·0	982·7	982·5	982·4	982·4	982·4	982·2	981·7	981·7	980·4	984·1
12	979·8	979·4	979·7	979·7	979·5	979·5	979·5	979·8	980·1	980·0	979·3	979·3	979·2	979·2	978·8	978·7	978·7	978·6	978·5	978·5	978·3	977·8	978·1	978·5	979·1
13	978·7	979·3	979·3	979·6	979·9	980·6	981·2	981·8	982·3	982·6	982·7	983·2	983·6	984·0	984·6	984·8	984·9	985·0	985·0	985·6	986·1	986·3	986·4	986·3	982·9
14	986·4	986·5	986·3	986·3	987·0	987·0	987·3	988·1	988·9	989·0	988·8	988·9	989·2	989·9	990·4	990·9	991·2	991·7	992·4	993·1	993·9	994·3	994·5	994·7	989·7
15	994·8	994·8	994·8	994·8	995·0	995·9	996·4	996·4	996·4	996·5	996·6	996·2	996·3	996·3	996·2	996·0	995·4	995·3	995·2	995·3	994·6	995·0	994·5	994·4	995·5
16	994·0	993·5	993·5	993·5	993·6	993·7	993·7	993·8	993·9	993·9	993·8	993·7	993·8	993·8	994·0	993·9	993·8	993·8	993·8	993·9	994·1	994·2	993·9	993·6	993·8
17	992·6	992·2	991·4	991·0	990·4	991·0	991·4	991·7	991·6	991·6	992·0	992·0	992·0	992·5	992·7	992·4	993·0	993·2	993·2	993·4	993·7	993·9	994·0	994·0	992·4
18	994·0	994·0	994·4	994·8	994·9	995·4	996·1	996·6	996·9	997·0	997·0	997·4	997·2	997·1	997·0	996·7	996·8	996·8	997·1	997·3	997·5	997·4	996·9	996·5	996·3
19	996·3	995·6	995·1	994·8	994·4	994·1	994·0	993·8	993·6	993·4	993·1	992·9	992·1	991·8	991·8	991·8	991·4	991·4	991·3	991·7	991·6	992·1	991·9	992·0	993·1
20	991·6	991·5	991·4	991·1	990·8	990·6	990·3	990·1	990·1	989·5	989·1	988·8	988·7	988·1	987·6	987·2	986·5	987·2	987·3	987·0	988·5	989·0	988·6	989·2	989·2
21	988·8	988·7	988·8	988·9	989·4	990·1	990·2	991·0	991·0	991·4	991·3	991·3	991·2	991·0	990·8	991·1	991·0	990·8	990·8	991·4	991·6	991·8	991·8	991·9	990·6
22	992·0	992·3	992·5	992·7	993·1	994·0	994·6	995·4	995·8	996·7	997·0	997·4	997·9	998·2	998·2	998·7	999·2	999·6	000·2	000·8	001·2	001·5	001·6	001·7	997·0
23	001·7	001·7	001·6	001·5	001·7	001·8	002·1	002·3	002·4	002·5	002·7	002·6	002·3	002·0	001·6	001·5	001·4	001·4	001·4	001·8	001·9	002·1	002·1	002·0	001·9
24	001·8	001·6	001·4	001·2	001·3	001·5	001·5	001·4	001·3	001·5	001·3	001·1	000·9	000·5	000·3	999·8	999·8	999·6	999·9	000·4	000·7	000·9	000·9	000·9	000·9
25	000·6	000·1	000·0	999·7	999·4	999·7	999·8	000·1	000·1	000·0	999·5	999·4	999·1	998·5	998·2	998·0	997·8	997·7	997·8	997·7	997·6	997·2	997·0	996·8	998·9
26	996·6	996·1	995·7	995·0	994·8	994·7	994·6	994·5	994·3	993·8	993·4	993·2	992·5	992·0	991·4	991·0	990·7	990·5	990·5	990·5	990·3	989·8	989·6	989·6	992·9
27	989·5	989·2	988·8	988·4	988·5	988·6	988·8	989·1	989·5	989·9	990·0	990·1	990·3	990·7	990·9	991·1	991·4	991·6	992·0	992·4	992·5	993·0	993·0	993·1	990·4
28	993·2	993·3	992·8	992·6	992·4	992·5	992·7	992·7	992·7	992·6	992·2	992·1	992·1	991·4	991·2	990·6	990·6	990·6	990·7	991·0	991·2	991·1	990·9	990·5	991·9
29	990·2	990·1	989·7	989·3	989·3	989·3	989·3	989·2	989·0	988·7	988·4	987·9	987·6	987·2	986·4	986·0	985·6	985·0	984·8	984·6	984·4	983·7	983·1	982·4	987·3
30	981·6	981·1	980·0	979·5	979·3	979·2	979·2	979·0	978·9	978·6	978·4	978·2	977·9	978·0	978·2	978·6	978·8	979·4	980·2	981·0	981·7	981·9	982·5	982·9	979·7
31	983·3	983·9	984·5	984·7	985·1	985·7	986·3	986·9	987·3	987·8	988·0	988·1	988·3	988·4	988·5	988·7	989·1	989·5	989·8	990·1	990·1	989·6	989·5	988·9	987·5
Mean (Station Level)	990·28	990·16	990·01	989·85	989·88	990·10	990·26	990·49	990·59	990·57	990·49	990·43	990·36	990·28	990·22	990·11	990·06	990·18	990·36	990·61	990·78	990·83	990·78	990·73	990·35
Mean (Sea Level)	1018·73	1018·63	1018·47	1018·33	1018·35	1018·55	1018·64	1018·77	1018·78	1018·68	1018·51	1018·41	1018·30	1018·21	1018·16	1018·07	1018·05	1018·23	1018·53	1018·89	1019·13	1019·22	1019·20	1019·16	1018·58
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

175. Eskdalemuir: H_b (height of barometer cistern above M.S.L.) = 237·3 metres. September, 1932.

Hour G.M.T.	1.	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	988·6	988·0	987·4	986·8	986·1	985·6	985·0	984·2	983·4	983·3	982·7	981·9	980·9	980·4	979·9	979·6	979·7	979·3	979·3	979·4	979·3	978·8	979·2	979·0	982·6
2	978·2	978·8	979·4	979·4	979·1	979·2	979·5	979·1	979·0	978·7	977·8	977·8	977·3	976·9	976·3	975·3	974·4	973·6	973·5	974·0	974·1	974·2	974·3	974·1	976·9
3	973·2	972·1	971·0	970·9	970·5	969·8	969·3	968·7	968·5	968·3	967·9	967·8	968·1	968·3	968·6	969·6	970·2	971·3	972·0	972·9	974·6	975·5	976·1	977·4	970·9
4	978·4	978·5	979·0	979·3	979·5	979·8	980·5	980·8	981·3	981·7	981·8	982·3	982·7	983·0	983·6	984·2	984·6	984·8	984·9	985·1	985·1	984·9	984·8	984·6	982·1
5	984·3	983·9	983·2	982·6	982·6	982·6	982·6	982·5	981·9	981·2	980·8	980·4	980·0	979·3	978·7	978·3	978·3	978·3	978·1	978·0	978·0	977·5	977·4	976·8	980·5
6	976·1	975·6	974·6	973·8	973·3	972·8	972·6	971·7	972·2	972·0	972·0	972·0	972·0	971·8	971·3	970·9	970·9	971·0	971·2	971·6	971·8	971·7	971·7	971·7	972·5
7	971·8	971·7	971·7	971·5	971·3	971·6	971·6	971·7	972·0	972·4	972·7	972·8	973·0	973·2	973·3	973·5	973·5	973·4	973·3	973·3	972·7	972·3	971·5	970·6	972·4
8	969·6	968·7	968·1	967·3	967·2	967·4	967·7	968·1	968·3	968·1	967·9	967·8	967·8	967·4	967·3	967·3	967·3	967·8	968·4	969·1	969·9	970·7	971·7	972·5	968·4
9	973·0	973·5	973·9	974·3	975·2	975·7	976·6	977·1	977·3	977·4	977·4	977·4	977·4	977·5	977·4	977·3	977·2	977·2	976·8	976·8	976·7	976·0	975·7	974·9	976·2
10	974·4	973·4	972·6	971·3	970·3	969·6	969·3	968·4	968·0	967·4	967·6	967·9	968·3	968·7	968·9	969·1	969·5	969·9	970·3	970·1	969·8	969·0	968·4	967·5	969·7
11	966·7	966·0	965·1	964·0	963·0	962·6	962·5	962·8	963·4	964·0	964·7	965·8	966·1	967·4	968·6	969·3	969·6	971·6	973·4	974·4	975·1	976·1	976·6	976·7	968·0
12	976·9	979·3	977·7	977·8	977·9	978·3	979·3	979·6	980·3	980·2	980·5	981·2	981·4	982·6	983·4	983·6	984·1	985·0	986·0	986·4	986·8	987·1	987·1	987·1	981·8
13	987·2	987·0	986·7	986·6	986·5	986·5	986·4	986·4	986·6	986·5	986·2	985·7	985·4	984·9	984·3	984·3	984·1	983·8	984·0	984·5	984·6	985·2	985·9	985·9	985·7
14	986·7	987·0	988·0	988·5	988·8	989·6	990·7	991·8	992·9	993·2	993·6	994·0	994·2	994·7	995·0	995·2	995·7	995·8	996·1	996·3	996·5	996·6	996·9	997·0	992·9
15	997·3	997·3	997·3	997·4	997·9	998·6	999·1	999·5	000·6	000·6	000·8	001·0	001·2	001·2	001·3	001·3	001·3	001·3	001·7	001·9	001·6	001·5	001·3	000·7	000·1
16	000·6	000·3	000·2	000·0	999·8	999·7	999·4	999·1	999·0	998·7	998·4	998·0	997·5	997·2	996·4	996·0	995·6	995·4	995·3	995·3	995·1	994·9	994·5	993·9	997·7
17	993·5	993·0	992·6	992·0	991·8	991·6	991·4	991·2	990·9	990·7	989·9	989·1	988·7	987·9	987·4	986·6	986·1	985·1	984·5	983·7	982·7	981·3	980·3	979·5	988·3
18	978·8	977·9	977·1	976·6	976·4	976·2	976·2	976·0	976·1	976·0	975·9	975·5	975·3	975·1	975·2	974·9	974·9	974·9	974·9	975·1	975·2	975·2	974·9	974·9	975·9
19	974·9	974·6	974·6	975·1	976·1	976·7	977·2	977·8	978·7	979·6	980·0	980·3	981·0	981·5	982·0	982·5	983·2	983·8	984·7	985·7	986·4	987·3	987·9	988·6	980·6
20	989·3	990·0	990·5	990·9	990·9	991·4	992·4	992·8	993·4	993·7	993·5	993·5	993·7	993·7	993·5	993·5	993·7	994·1	994·6	994·9	994·9	995·0	995·6	995·5	993·0
21	995·5	995·8	995·6	995·6	995·7	996·0	996·1	996·3	996·3	996·5	996·4	996·2	995·7	995·1	994·4	994·3	994·0	993·8	993·5	993·5	993·1	992·8	991·8	991·5	994·9
22	991·1	990·3	989·4	988·3	987·6	987·0	986·6	986·1	985·5	984·7	983·5	982·8	981·9	981·1	980·3	979·2	978·6	978·3	977·9	977·7	977·3	976·6	975·8	975·3	983·0
23	974·7	974·2	973·5	973·0	972·7	972·7	973·0	973·2	973·5	973·4	973·6	974·1	974·1	974·3	974·5	974·6	975·2	975·4	975·5	975·5	975·7	975·7	975·8	975·2	974·3
24	974·8	974·3	973·6	973·3	972·7	972·3	971·9	971·4	971·0	969·8	968·9	968·1	967·7	967·4	966·9	966·2	965·4	965·0	964·3	963·8	963·5	963·4	963·3	963·1	968·7
25	962·9	962·9	962·7	962·5	962·1	962·2	962·7	962·5	962·4	962·5	962·8	962·9	963·0	963·2	963·2	963·8	963·7	964·0	964·2	964·3	965·1	965·4	965·9	966·2	963·4
26	966·6	967·2	967·4	967·8	968·2	968·9	969·7	970·3	971·6	972·4	972·8	973·9	974·4	976·1	976·9	977·6	978·5	979·9	980·9	981·7	983·3	984·1	984·7	985·3	974·6
27	985·7	986·6	987·5	987·9	989·1	990·1	990·8	991·6	992·5	993·4	994·2	994·8	995·2	995·6	996·0	996·4	996·7	997·6	998·4	999·1	999·3	999·7	999·9	000·2	993·8
28	000·5	000·5	000·5	000·3	000·6	001·0	001·3	001·4	001·9	001·8	001·6	001·3	000·9	001·1	000·8	000·6	000·4	000·5	000·7	000·6	000·3	000·7	000·5	000·0	000·8
29	999·7	999·0	998·6	998·5	998·6	997·8	997·7	998·0	997·5	997·1	996·2	995·5	994·9	993·8	992·4	991·9	991·3	991·4	991·3	990·9	990·2	989·9	989·5	989·3	994·8
30	988·6	987·4	986·4	985·8	985·2	984·5	984·3	983·6	983·3	983·2	982·6	981·7	981·3	980·4	980·2	979·5	979·1	979·3	979·5	979·6	979·5	979·5	979·6	979·7	982·4
Mean (Station Level)	981 ·99	981 ·77	981 ·53	981 ·30	981 ·22	981 ·26	981 ·44	981 ·46	981 ·64	981 ·62	981 ·49	981 ·45	981 ·37	981 ·36	981 ·27	981 ·21	981 ·23	981 ·42	981 ·64	981 ·84	981 ·94	981 ·95	981 ·95	981 ·82	981 ·55
Mean (Sea Level)	1010 ·52	1010 ·33	1010 ·10	1009 ·88	1009 ·80	1009 ·85	1009 ·97	1009 ·87	1009 ·93	1009 ·80	1009 ·62	1009 ·54	1009 ·43	1009 ·43	1009 ·33	1009 ·31	1009 ·40	1009 ·70	1010 ·01	1010 ·27	1010 ·41	1010 ·46	1010 ·48	1010 ·37	1009 ·91

176. Eskdalemuir: H_b = 237·3 metres. October, 1932.

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	979·9	980·1	980·2	980·0	980·2	980·9	981·7	982·4	982·6	983·2	983·4	983·9	984·6	985·2	985·2	985·4	985·7	985·9	986·1	985·9	985·5	985·4	984·7	983·8	983·3
2	983·1	981·5	979·2	977·3	976·0	975·0	974·8	975·1	976·0	976·7	977·3	977·8	978·0	978·8	979·3	981·0	981·7	983·2	983·5	984·2	984·2	984·3	984·2	983·8	979·8
3	983·3	983·1	982·8	982·9	983·3	984·7	985·7	986·8	987·4	988·1	988·6	989·7	990·0	990·6	990·8	991·1	991·8	992·3	992·4	993·0	993·1	993·2	993·3	993·2	988·6
4	993·0	992·8	992·7	992·4	992·2	992·1	992·1	992·0	991·9	991·6	991·3	991·1	990·4	990·0	989·7	989·6	989·4	989·3	989·3	989·0	989·1	989·0	988·7	988·4	990·8
5	988·1	987·5	987·1	986·9	986·7	986·7	986·7	986·5	986·4	986·1	985·8	985·5	985·2	985·0	984·8	984·4	984·3	984·5	984·3	984·1	983·7	983·6	983·0	982·4	985·5
6	982·1	981·5	981·0	980·4	980·1	979·8	979·7	979·7	979·5	979·1	979·1	978·9	978·0	977·0	976·3	975·7	975·2	975·3	974·9	974·5	974·1	973·8	973·3	973·2	977·8
7	973·2	973·5	972·7	972·5	972·8	973·1	972·7	972·4	972·1	971·6	970·9	970·5	969·8	968·4	967·4	966·1	965·1	965·3	963·7	962·9	962·4	961·7	961·1	960·5	968·7
8	959·8	959·7	959·5	959·2	959·1	958·9	959·0	958·9	959·1	958·8	958·3	957·6	957·2	955·7	954·9	953·7	953·4	951·9	951·1	950·9	952·5	952·9	953·6	954·0	956·4
9	954·7	955·2	955·5	956·1	956·4	957·0	957·4	958·1	958·8	958·9	959·3	959·5	959·6	959·7	960·1	960·3	960·8	961·6	961·9	962·4	962·5	962·5	962·6	962·5	959·1
10	962·1	961·5	960·7	960·8	959·9	959·7	959·6	960·0	961·1	960·6	961·2	961·6	962·2	962·5	963·0	963·4	963·9	964·4	964·6	964·7	964·8	965·1	965·1	965·2	962·3
11	965·4	965·3	965·3	965·6	966·1	966·9	967·7	968·6	969·3	969·8	970·3	970·7	971·2	971·9	972·5	973·0	973·6	974·5	974·9	975·4	975·9	976·2	976·4	976·6	970·7
12	976·9	976·7	976·7	976·7	976·6	976·6	977·2	977·1	977·2	976·8	976·4	975·8	975·4	974·5	973·8	973·0	972·3	971·8	971·9	971·7	971·4	971·3	970·2	969·1	974·6
13	967·8	966·3	964·6	962·3	961·6	960·9	961·0	961·0	961·1	961·1	961·2	961·5	961·4	961·6	962·2	962·2	962·4	962·9	963·6	964·2	964·7	965·1	965·1	965·1	963·0
14	964·8	964·8	964·5	964·1	964·2	964·3	964·4	964·8	964·9	965·4	965·0	965·0	964·5	964·0	963·9	964·5	964·9	966·8	968·4	968·5	969·9	970·7	971·5	972·1	965·9
15	972·7	973·7	974·6	975·8	976·6	977·9	978·9	979·6	979·7	980·6	980·7	980·7	980·6	980·7	981·1	980·3	980·3	980·4	979·4	978·5	977·6	976·5	975·4	974·5	978·1
16	974·2	974·6	974·5	975·8	975·6	975·7	976·5	976·6	976·2	976·5	977·1	977·3	977·4	977·2	976·5	975·8	974·9	974·0	972·6	972·1	971·9	972·0	972·2	972·6	975·0
17	973·0	973·5	974·8	975·9	978·3	980·4	982·4	983·7	984·8	985·2	985·6	985·8	986·2	985·1	985·0	984·7	983·5	982·1	980·0	977·3	974·0	971·0	969·3	968·4	979·7
18	966·7	965·3	964·4	965·4	969·6	973·1	975·7	978·2	978·9	981·3	981·2	982·6	983·6	983·4	983·7	984·2	984·6	986·0	987·0	987·7	988·9	990·4	991·2	991·6	979·7
19	992·1	992·2	992·2	992·3	992·2	992·0	991·8	992·0	991·8	991·2	990·1	989·1	988·0	986·6	985·2	985·8	982·3	981·0	979·0	977·1	975·4	973·6	972·1	970·7	986·1
20	970·2	970·2	970·0	969·5	969·0	968·3	968·3	968·7	968·7	968·7	968·5	968·3	968·3	968·3	968·2	967·8	968·1	968·3	968·3	967·9	967·9	967·9	967·7	967·2	968·6
21	967·2	966·7	966·9	967·3	967·6	968·1	968·1	969·1	969·8	970·2	970·3	970·6	970·7	970·8	971·4	971·6	971·8	972·4	972·9	972·7	972·7	972·1	971·9	971·5	970·1
22	970·8	969·8	968·7	967·6	965·9	964·7	963·4	962·3	961·3	960·4	960·2	960·7	963·0	965·1	967·7	968·9	970·4	972·4	973·5	974·5	975·5	975·9	976·2	976·7	968·0
23	977·5	977·7	977·6	977·6	977·5	977·5	977·5	977·4	977·0	976·6	975·9	975·4	974·8	974·5	974·5	974·3	974·2	974·3	974·4	974·4	974·4	974·7	974·8	974·8	975·8
24	974·6	974·5	974·4	974·2	973·9	973·8	974·0	974·4	974·7	974·8	975·3	975·3	975·4	975·7	976·2	977·1	978·0	978·8	979·7	980·5	980·6	981·3	981·6	982·1	976·5
25	982·3	982·4	982·3	982·1	981·9	981·5	980·6	979·8	978·6	978·7	977·6	975·9	974·4	973·3	972·0	971·1	970·8	970·5	969·9	969·2	968·5	967·8	967·1	966·2	975·5
26	965·9	964·5	963·9	963·5	963·5	963·3	963·6	964·1	964·0	964·4	964·3	964·7	964·6	965·1	965·9	966·5	967·0	967·5	967·6	967·6	968·2	968·2	968·1	968·0	965·5
27	967·8	967·5	966·8	966·8	966·4	966·4	966·1	966·2	966·3	966·7	967·0	967·0	967·2	967·4	967·6	967·9	968·1	968·8	969·4	969·9	970·2	970·9	971·2	972·0	967·9
28	972·5	973·1	973·4	973·6	974·4	975·0	976·0	977·2	977·7	978·1	978·8	979·6	980·5	981·0	981·4	982·2	982·8	983·3	983·6	983·7	983·9	984·0	984·1	983·4	979·1
29	983·5	983·0	982·6	982·0	980·6	979·4	978·2	977·4	976·6	974·8	971·9	969·0	966·8	964·5	962·4	960·9	960·0	959·2	958·8	958·3	958·0	957·6	957·4	956·8	969·7
30	956·6	956·2	955·9	956·0	956·4	957·0	957·7	958·4	958·9	959·3	960·1	960·9	961·5	961·9	962·3	962·8	963·5	963·5	964·2	964·8	965·2	966·7	968·4	969·6	960·9
31	970·9	972·5	974·4	975·7	977·1	978·4	979·3	980·9	982·1	982·3	983·0	983·7	984·0	984·3	984·6	984·9	985·3	985·9	986·0	986·0	985·9	985·8	985·7	985·4	981·5
Mean (Station Level)	973 ·31	973 ·13	972 ·90	972 ·85	972 ·96	973 ·20	973 ·48	973 ·85	974 ·02	974 ·12	974 ·05	974 ·05	974 ·02	973 ·86	973 ·86	973 ·88	973 ·87	974 ·13	974 ·09	973 ·99	973 ·95	973 ·91	973 ·78	973 ·59	973 ·70
Mean (Sea Level)	1001 ·99	1001 ·81	1001 ·59	1001 ·55	1001 ·68	1001 ·92	1002 ·19	1002 ·50	1002 ·55	1002 ·56	1002 ·40	1002 ·36	1002 ·29	1002 ·13	1002 ·16	1002 ·23	1002 ·32	1002 ·67	1002 ·67	1002 ·59	1002 ·59	1002 ·58	1002 ·47	1002 ·27	1002 ·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,

Readings in millibars at exact hours, Greenwich Mean Time.

177. Eskdalemuir: H_h (height of barometer cistern above M.S.L.) = 237·3 metres. November, 1932.

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	984·6	984·4	983·7	983·1	982·3	982·0	981·2	980·4	979·3	978·9	978·6	978·3	977·9	977·8	978·3	978·6	979·6	980·5	981·1	981·1	981·1	980·9	980·8	980·5	980·7
2	980·5	980·0	979·6	979·3	979·0	978·0	978·0	978·7	979·3	979·9	980·5	980·4	980·4	980·6	980·5	980·7	980·8	981·1	981·8	981·9	982·2	982·2	982·2	982·4	980·4
3	982·1	982·4	982·2	982·0	982·1	981·6	981·9	982·2	982·9	982·7	982·7	982·3	982·0	981·9	981·6	981·3	981·2	981·2	980·7	980·5	979·9	979·4	978·6	977·7	981·5
4	977·3	976·7	975·7	975·3	975·0	974·8	975·3	977·0	978·0	979·0	980·2	980·8	981·5	982·3	983·1	984·5	985·7	987·3	988·6	989·6	990·5	992·0	992·6	993·8	982·0
5	994·8	995·2	996·1	997·0	997·8	998·3	998·9	999·9	000·3	000·8	001·1	001·1	001·1	001·2	001·4	001·6	002·1	002·8	002·8	003·1	003·5	003·4	003·3	003·3	000·3
6	003·1	002·8	002·2	002·0	002·0	002·0	002·3	002·3	002·1	001·6	001·1	000·4	000·0	999·4	999·2	998·6	998·8	998·8	998·7	998·6	998·6	998·1	997·8	997·6	000·5
7	997·4	997·1	996·7	996·6	996·6	996·7	996·7	996·9	997·1	997·1	996·4	996·1	995·7	995·2	995·1	995·1	995·1	995·2	995·2	995·1	995·1	994·9	994·8	994·5	996·0
8	994·0	993·6	993·2	992·6	992·6	992·6	992·6	992·7	992·6	992·5	992·3	991·6	990·9	990·6	990·4	990·1	989·9	989·7	989·6	989·3	988·5	988·4	988·1	987·4	991·2
9	986·8	986·4	986·0	985·7	985·3	984·8	984·8	985·0	984·9	984·9	984·7	984·7	984·6	984·6	984·5	985·1	985·5	986·1	986·4	986·8	987·2	987·6	988·0	988·3	985·8
10	988·5	989·0	989·3	989·5	990·2	990·4	991·2	991·8	992·0	992·3	993·2	993·5	993·4	993·7	993·8	994·0	995·0	995·8	996·2	996·6	997·1	997·1	997·1	997·6	993·1
11	996·9	997·1	997·4	997·7	997·7	997·8	997·8	998·2	998·2	998·1	997·6	997·2	997·1	997·1	997·0	997·4	997·9	998·4	998·9	999·5	999·8	000·5	000·9	001·0	998·1
12	001·1	001·3	001·4	001·5	002·0	002·2	002·3	002·3	002·7	002·8	002·9	002·9	003·1	003·5	003·6	003·9	004·5	005·3	005·9	006·3	006·7	006·6	006·8	007·0	003·6
13	006·9	007·9	007·6	007·9	008·4	008·9	009·3	009·6	010·1	009·9	009·8	009·7	009·1	009·1	008·9	008·7	008·8	008·6	008·4	008·2	008·3	008·0	007·9	007·8	008·6
14	007·5	007·1	006·7	006·4	006·1	005·8	005·7	005·4	005·4	005·1	004·9	004·0	003·5	003·1	002·7	002·6	002·2	002·3	002·1	001·7	001·9	001·1	000·1	999·9	004·1
15	999·2	999·2	999·0	998·6	998·4	998·3	998·5	998·5	998·5	998·3	997·9	997·4	997·0	997·0	996·7	996·6	996·8	996·7	996·7	996·6	996·7	996·7	996·8	996·9	997·7
16	996·9	997·0	997·0	997·0	997·0	997·1	997·5	997·9	998·2	998·3	998·4	998·1	997·9	998·0	998·0	998·1	998·2	998·4	998·2	998·3	998·3	998·0	998·0	997·7	997·8
17	997·1	996·7	996·3	996·0	995·5	995·0	994·9	994·9	994·9	994·6	994·3	993·9	993·3	992·7	992·2	991·8	991·5	991·2	990·8	990·5	990·5	990·1	989·5	989·3	993·4
18	988·5	988·1	987·3	986·9	986·7	986·2	985·9	985·9	985·5	985·5	985·2	984·6	984·3	984·1	983·6	983·5	983·4	983·8	983·9	983·9	983·9	984·2	984·4	984·7	985·3
19	984·9	984·9	985·0	985·1	985·1	985·3	985·6	985·7	986·1	986·3	986·2	985·6	985·1	984·7	984·5	984·5	984·2	984·1	983·7	983·5	982·9	982·5	981·9	981·3	984·6
20	980·6	979·8	978·9	978·0	977·5	977·2	976·7	976·2	975·8	975·4	974·9	974·6	974·6	974·7	974·9	975·2	975·8	976·1	976·2	976·4	976·6	976·4	976·5	976·6	976·6
21	976·7	976·7	976·8	976·9	976·9	976·9	977·1	977·4	978·4	978·7	978·9	978·9	978·9	979·0	979·4	979·3	979·6	979·9	980·2	980·1	980·0	979·8	979·7	979·0	978·5
22	977·9	976·8	975·6	973·7	971·7	970·0	967·9	965·6	963·2	960·8	959·0	957·7	957·5	957·9	958·0	959·8	961·3	962·8	963·3	963·9	963·7	964·0	964·3	964·3	965·4
23	964·0	963·8	963·6	962·9	962·7	962·4	962·4	962·8	963·1	964·1	964·2	964·2	964·0	964·2	964·0	964·2	965·3	965·8	966·7	967·6	967·8	968·2	968·5	969·0	964·7
24	969·6	963·7	969·8	970·3	970·5	971·0	971·3	971·9	972·5	972·6	972·7	973·3	973·1	973·5	974·0	974·3	974·7	975·4	976·1	976·6	976·9	977·3	977·5	977·8	973·3
25	978·1	978·7	979·0	979·7	980·2	981·0	981·8	982·5	983·0	983·0	983·1	983·1	982·7	982·3	981·6	981·4	981·2	980·5	980·0	979·1	978·0	977·0	975·5	974·0	980·3
26	972·5	971·1	969·7	968·6	967·9	967·4	966·7	966·0	966·3	966·7	966·1	966·0	965·3	964·6	964·0	963·4	962·4	961·4	960·7	959·2	959·7	960·1	960·4	961·2	965·2
27	961·6	961·2	961·5	961·6	962·0	963·2	964·3	964·9	966·2	967·8	969·8	973·3	975·5	977·7	979·9	981·9	983·5	985·1	987·6	988·8	989·6	990·2	990·7	991·8	974·3
28	992·8	993·5	993·7	994·3	995·2	995·7	996·1	996·7	997·1	997·9	997·5	997·0	996·2	995·8	995·2	995·1	994·7	994·8	994·7	994·7	994·7	993·9	992·7	992·8	995·1
29	992·6	992·2	991·6	991·1	989·8	989·7	988·6	988·1	987·1	986·9	985·8	985·5	984·3	983·3	982·3	980·9	979·7	979·2	979·1	978·1	977·7	978·0	978·1	978·7	984·8
30	978·8	979·0	979·0	978·9	978·2	978·1	977·7	977·2	976·4	975·7	974·5	973·7	972·8	972·3	971·8	971·8	972·0	972·2	972·3	972·3	972·3	972·0	971·9	971·6	974·8
Mean (Station Level)	987·11	986·98	986·72	986·54	986·41	986·35	986·37	986·49	986·57	986·61	986·48	986·33	986·09	986·06	986·01	986·13	986·38	986·68	986·91	986·93	986·99	986·95	986·85	986·85	986·58
Mean (Sea Level)	1016·32	1016·18	1015·91	1015·72	1015·60	1015·54	1015·57	1015·69	1015·73	1015·70	1015·49	1015·28	1014·99	1014·95	1014·93	1015·13	1015·43	1015·79	1016·05	1016·08	1016·16	1016·14	1016·05	1016·06	1015·70

178. Eskdalemuir: H_b = 237·3 metres. December, 1932.

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	971·3	971·4	971·8	971·8	972·4	972·8	973·9	974·6	975·8	976·6	977·1	978·1	978·4	978·7	978·9	979·6	980·0	980·1	980·1	979·4	978·7	978·1	977·3	975·8	976·3
2	974·6	972·7	970·8	968·7	966·9	964·7	963·0	961·3	960·9	962·0	961·9	962·3	962·2	962·2	961·7	960·9	959·4	957·8	956·0	957·5	957·5	958·0	958·2	958·7	962·9
3	958·9	958·9	958·9	958·6	958·0	957·4	957·0	956·9	956·8	956·9	957·0	957·0	957·1	957·1	957·8	959·0	959·5	960·4	962·0	963·4	964·8	966·1	967·0	969·0	959·6
4	969·4	970·5	970·7	971·4	972·3	973·7	974·1	975·2	976·8	977·9	978·4	978·8	979·1	979·5	979·8	980·0	980·1	980·0	979·8	979·4	979·1	979·0	978·8	979·0	976·6
5	979·3	979·3	979·2	979·3	979·6	979·8	980·5	981·2	982·0	982·8	983·7	984·0	984·4	984·5	984·8	985·5	986·3	987·0	987·5	987·9	988·2	988·6	989·1	989·6	983·7
6	989·8	990·2	990·5	990·8	991·1	991·9	992·4	993·0	993·4	993·9	993·9	994·2	994·2	994·3	994·6	995·0	995·5	995·9	996·0	996·6	996·6	997·0	997·5	998·2	993·8
7	998·4	998·5	998·9	999·0	999·3	999·6	000·0	000·2	001·1	001·4	001·7	001·5	001·4	001·4	001·6	002·1	002·4	002·4	002·6	002·6	002·6	002·6	002·4	002·4	001·0
8	002·3	002·2	002·0	001·7	001·7	002·0	002·0	002·2	002·2	002·3	002·2	001·9	001·7	001·5	001·4	001·7	001·4	001·5	002·0	002·0	001·8	001·7	001·7	001·9	001·9
9	001·9	001·9	001·9	001·8	001·8	002·1	002·3	002·4	002·6	002·9	002·6	002·3	002·1	002·0	002·0	002·2	002·3	002·3	002·5	002·8	002·8	002·8	002·9	002·9	002·3
10	002·8	003·0	002·8	002·6	002·5	002·4	002·4	002·4	002·4	002·3	002·2	001·7	001·1	000·5	000·3	000·1	000·0	999·9	999·8	999·8	999·7	999·6	999·1	999·0	001·3
11	998·8	998·6	998·4	998·2	998·0	997·9	997·6	997·5	997·1	996·8	996·1	995·3	994·6	994·1	993·8	993·4	993·6	993·1	992·8	993·0	991·7	991·8	990·5	990·4	995·3
12	991·1	991·0	990·6	990·0	989·5	988·7	988·7	989·1	989·3	989·0	989·1	988·7	988·5	988·2	987·7	987·9	987·8	987·7	987·5	987·5	987·5	987·1	987·0	986·7	988·7
13	986·0	985·7	985·5	985·2	985·2	984·9	984·5	984·1	984·4	984·5	984·1	983·2	982·4	982·0	981·9	981·4	981·1	980·7	980·4	980·2	980·0	979·6	979·5	979·5	982·9
14	979·4	979·6	979·9	980·3	981·0	981·3	981·8	982·6	983·7	984·5	985·1	985·7	986·0	986·3	986·2	986·6	986·8	987·1	987·2	987·2	987·3	987·2	987·1	986·8	984·3
15	986·3	985·6	984·7	984·2	983·1	983·1	982·1	981·4	980·7	980·1	980·4	981·2	982·2	982·8	983·3	984·7	985·5	986·2	986·8	987·3	987·7	987·9	987·6	986·7	984·2
16	986·9	986·4	986·1	985·3	984·9	983·8	983·1	982·1	981·4	981·4	981·0	980·7	980·3	980·1	980·2	980·7	981·4	982·3	983·0	983·1	982·5	981·6	980·7	979·5	982·6
17	978·7	977·2	975·2	974·4	974·1	974·1	974·3	976·2	976·3	977·1	976·3	976·1	974·7	973·6	973·9	973·4	972·8	972·7	972·8	973·9	974·2	974·6	974·8	975·1	974·9
18	975·5	975·5	975·9	976·0	976·0	976·1	976·5	976·5	976·5	976·8	976·6	976·4	976·4	976·0	976·0	976·0	975·9	975·5	975·4	975·4	975·3	975·1	975·2	975·6	975·9
19	975·4	975·6	976·1	976·5	976·5	976·8	976·9	977·2	977·6	977·9	978·1	978·0	977·7	977·7	978·3	978·6	979·0	979·7	980·3	980·6	980·9	981·3	981·2	981·1	978·2
20	981·1	981·0	981·1	981·4	981·8	982·6	983·2	984·2	985·2	986·3	987·0	987·4	987·8	988·1	988·0	988·5	989·0	989·2	989·2	989·2	989·3	989·0	988·9	988·5	986·0
21	987·6	987·0	986·2	985·0	984·1	985·3	982·9	982·3	982·0	981·5	981·3	980·6	981·0	980·9	981·5	982·2	982·4	982·5	982·7	982·7	982·6	982·4	981·8	981·1	983·1
22	980·3	979·4	979·4	979·6	980·4	981·6	982·1	982·8	983·6	984·5	984·9	985·3	985·7	985·8	986·1	986·2	986·2	986·3	986·0	985·4	984·9	984·2	983·4	982·9	983·6
23	982·3	981·8	981·5	981·0	980·7	980·4	979·9	979·3	979·1	978·4	977·6	977·3	976·5	976·3	976·3	976·6	977·0	977·7	978·1	978·9	979·2	980·0	980·3	980·7	979·1
24	981·2	983·2	984·3	985·8	987·6	985·7	990·1	991·7	993·6	995·1	996·0	996·7	997·5	998·3	999·2	000·5	001·3	001·8	003·0	003·9	004·4	004·9	005·5	005·7	995·2
25	006·2	006·7	007·1	007·4	007·7	007·8	007·9	008·1	008·6	008·7	009·0	009·0	008·6	008·4	008·1	007·8	008·2	007·8	007·8	007·8	007·8	007·7	007·5	007·1	007·8
26	006·2	005·7	005·4	004·8	004·4	003·8	003·5	003·7	003·1	003·0	002·4	001·5	000·7	000·1	999·5	999·2	999·0	998·3	997·5	996·5	995·7	995·2	994·7	994·2	001·0
27	993·6	993·4	993·0	992·3	991·7	991·4	991·4	991·3	991·2	991·2	991·5	990·8	990·7	990·1	990·0	989·9	990·1	990·1	990·0	990·0	989·8	989·6	989·6	989·5	991·0
28	989·5	989·0	988·9	988·6	988·1	987·7	987·7	987·3	987·3	987·5	986·6	986·2	985·4	984·9	984·9	984·4	984·0	984·1	983·9	983·8	983·2	982·8	982·1	981·7	986·0
29	981·2	980·3	980·1	979·5	979·4	979·7	979·4	979·1	979·2	979·1	978·3	977·4	977·0	976·3	975·8	975·7	975·0	974·6	973·8	973·5	973·4	973·8	974·0	974·2	977·2
30	974·6	974·4	974·5	974·3	974·5	974·6	974·8	975·1	975·2	975·7	976·0	975·7	975·5	975·6	975·8	975·8	975·9	976·3	976·7	976·8	977·0	977·5	977·8	977·8	975·7
31	978·0	977·9	977·8	977·9	977·7	977·2	977·0	976·3	976·1	975·4	974·9	973·3	972·3	970·9	970·3	969·9	969·3	968·6	968·3	967·7	967·5	967·5	968·0	968·5	973·0
Mean (Station Level)	985·44	985·28	985·13	984·95	984·90	984·87	984·93	985·07	985·33	985·60	985·58	985·43	985·27	985·11	985·15	985·34	985·43	985·47	985·53	985·67	985·60	985·62	985·52	985·48	985·32
Mean (Sea Level)	1014·52	1014·34	1014·19	1014·01	1013·96	1013·91	1013·99	1010·13	1014·39	1014·63	1014·57	1014·39	1014·21	1014·06	1014·13	1014·37	1014·49	1014·54	1014·61	1014·76	1014·69	1014·71	1014·61	1014·56	1014·37
Hour G.M.T.	1.	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. **1932.**

Hour G.M.T.	1	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.	985·35	985·21	985·04	984·91	984·92	985·01	985·15	985·32	985·45	985·48	985·42	985·32	985·19	985·07	985·00	984·97	984·99	985·12	985·25	985·40	985·52	985·53	985·49	985·44	985·23
Sea Level.	014·29	014·16	014·00	013·88	013·88	013·93	014·04	014·13	014·19	014·14	014·01	013·86	013·70	013·56	013·49	013·50	013·58	013·78	013·98	014·20	014·37	014·42	014·41	014·37	013·99

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures for the mean of the day are adjusted for non-cyclic change

180. Eskdalemuir: H_b = 237·3 metres. **1932.**

Month.	Mean.	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
		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.	985·77	-0·22	-0·23	-0·06	-0·03	-0·11	-0·01	+0·21	+0·48	+0·79	+0·88	+0·93	+0·55	+0·23	-0·10	-0·22	-0·25	-0·41	-0·46	-0·52	-0·44	-0·35	-0·29	-0·21	-0·14
Feb.	1005·05	+0·02	-0·07	-0·23	-0·33	-0·27	-0·26	-0·13	+0·10	+0·32	+0·45	+0·50	+0·35	+0·06	-0·23	-0·33	-0·37	-0·28	-0·07	+0·08	+0·11	+0·21	+0·14	+0·13	+0·11
Mar.	984·14	+0·16	+0·02	-0·25	-0·40	-0·32	-0·17	+0·02	+0·20	+0·33	+0·40	+0·26	+0·14	-0·07	-0·29	-0·44	-0·54	-0·47	-0·23	+0·02	+0·20	+0·37	+0·38	+0·36	+0·32
Apr.	976·51	+0·20	+0·04	-0·20	-0·40	-0·37	-0·21	-0·13	-0·01	+0·06	+0·05	0·00	-0·10	-0·04	-0·12	-0·18	-0·22	-0·14	-0·09	+0·09	+0·34	+0·43	+0·36	+0·33	+0·31
May	983·14	+0·17	+0·04	-0·19	-0·23	-0·14	-0·03	+0·08	+0·16	+0·20	+0·13	+0·03	-0·02	-0·14	-0·18	-0·30	-0·38	-0·37	-0·31	-0·15	+0·12	+0·39	+0·44	+0·37	+0·30
June	990·10	+0·17	+0·05	-0·08	-0·15	-0·11	-0·04	+0·09	+0·19	+0·16	+0·14	+0·09	+0·05	-0·02	-0·11	-0·25	-0·37	-0·39	-0·38	-0·24	-0·04	+0·28	+0·37	+0·33	+0·25
July	981·67	+0·19	-0·01	-0·16	-0·34	-0·33	-0·29	-0·14	-0·01	+0·08	-0·08	-0·13	-0·07	-0·10	-0·13	-0·12	-0·18	-0·23	-0·13	+0·03	+0·23	+0·47	+0·49	+0·51	+0·42
Aug.	990·35	+0·07	-0·06	-0·23	-0·40	-0·38	-0·17	-0·02	+0·19	+0·28	+0·25	+0·15	+0·09	+0·00	-0·09	-0·16	-0·28	-0·35	-0·24	-0·07	+0·27	+0·33	+0·37	+0·31	+0·24
Sept.	981·55	+0·29	+0·08	-0·14	-0·35	-0·42	-0·37	-0·18	-0·15	+0·05	+0·04	-0·08	-0·11	-0·17	-0·17	-0·25	-0·29	-0·26	-0·06	+0·17	+0·39	+0·50	+0·53	+0·54	+0·42
Oct.	973·70	-0·30	-0·50	-0·73	-0·79	-0·69	-0·46	-0·18	+0·18	+0·34	+0·43	+0·36	+0·36	+0·31	+0·15	+0·14	+0·15	+0·14	+0·39	+0·34	+0·23	+0·19	+0·13	-0·00	-0·20
Nov.	986·58	+0·31	+0·20	-0·04	-0·20	-0·31	-0·35	-0·31	-0·17	-0·07	-0·01	-0·12	-0·25	-0·47	-0·48	-0·52	-0·37	-0·11	+0·21	+0·46	+0·50	+0·58	+0·56	+0·47	+0·50
Dec.	985·32	+0·07	-0·09	-0·23	-0·41	-0·45	-0·48	-0·41	-0·27	-0·01	+0·27	+0·25	+0·11	-0·05	-0·21	-0·16	+0·03	+0·12	+0·17	+0·24	+0·38	+0·32	+0·34	+0·25	+0·20
Year	985·23	+0·09	-0·05	-0·21	-0·34	-0·33	-0·24	-0·09	+0·08	+0·21	+0·25	+0·19	+0·09	-0·04	-0·16	-0·23	-0·26	-0·23	-0·10	+0·03	+0·18	+0·31	+0·32	+0·28	+0·23

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h to 24h. Greenwich Mean Time.

181. Eskdalemuir: H_b = 237·3 metres. **1932.**

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	984·9	973·7	012·5	009·5	002·4	992·9	976·0	955·3	983·4	981·2	987·9	984·8
2	978·6	974·8	011·7	006·7	992·9	985·4	958·5	953·7	988·7	981·2	987·9	985·8
3	982·0	975·3	006·9	005·1	989·7	985·3	970·7	958·5	994·7	988·5	989·0	986·8
4	984·3	973·5	005·6	002·4	990·0	982·9	980·2	970·6	994·6	990·2	991·8	988·5
5	980·1	963·5	002·6	001·4	982·9	967·1	980·3	975·0	990·2	983·9	993·3	990·6
6	963·5	948·0	002·5	998·2	973·9	966·8	975·0	958·4	983·9	977·7	994·1	993·0
7	963·6	956·8	999·9	997·4	978·1	969·5	967·4	956·0	977·7	975·5	994·1	992·5
8	973·4	963·6	999·7	995·0	984·7	975·3	988·3	967·4	976·7	975·9	994·6	992·3
9	973·0	954·9	000·8	996·2	988·7	984·7	987·5	959·0	979·4	975·3	994·1	991·3
10	954·9	950·1	010·6	000·2	987·8	984·8	963·1	950·5	984·0	979·3	991·3	987·2
11	971·6	952·6	009·7	003·7	997·1	986·0	984·3	963·0	983·4	978·7	987·2	982·4
12	977·0	963·8	005·6	003·5	997·1	992·5	008·8	984·3	978·7	972·3	994·7	983·6
13	974·7	955·1	004·1	999·4	992·9	990·8	000·9	984·2	979·0	973·7	996·9	994·6
14	980·1	965·8	007·8	001·3	997·6	990·0	984·2	977·4	987·1	979·0	000·0	996·7
15	982·6	965·2	009·5	007·5	999·1	996·0	991·6	979·2	986·8	979·8	000·3	998·0
16	978·2	971·6	011·2	009·3	996·0	992·3	992·7	991·2	987·1	976·6	999·9	996·7
17	986·9	970·2	011·5	010·1	993·9	992·5	992·9	991·9	991·7	987·1	997·7	995·0
18	995·7	985·5	011·3	009·3	995·9	993·9	992·6	987·8	991·6	984·8	996·7	993·5
19	997·9	995·2	014·4	009·8	995·6	994·0	987·8	971·9	987·3	980·6	993·9	990·4
20	998·1	996·8	017·2	014·4	996·6	993·9	971·9	966·9	982·4	979·5	991·2	987·9
21	996·8	992·1	015·6	006·5	993·9	991·7	975·3	968·1	982·0	979·7	993·4	990·1
22	005·3	993·5	007·2	004·6	993·6	988·0	976·2	969·8	980·6	977·6	997·2	993·3
23	008·2	005·0	004·7	993·5	990·6	989·2	980·3	970·3	982·2	979·2	998·2	996·0
24	007·5	000·1	000·8	992·4	990·0	983·0	985·2	980·8	986·4	982·2	996·0	987·2
25	017·3	003·0	002·3	000·4	983·0	976·3	986·2	983·6	986·3	983·4	987·2	984·6
26	018·6	016·7	001·4	999·1	978·8	976·0	983·6	978·3	988·1	983·2	984·8	980·4
27	016·7	012·0	007·1	000·6	977·1	962·8	980·6	975·1	987·8	983·8	981·7	979·5
28	012·0	001·9	007·4	005·5	964·3	960·8	975·1	970·9	986·1	983·2	984·6	976·9
29	006·3	998·5	006·7	002·3	965·8	959·3	976·1	971·1	987·4	981·1	984·8	980·1
30	014·0	006·3			960·0	954·4	982·0	975·4	989·5	987·3	980·1	964·0
31	015·0	012·5			976·2	959·3			988·6	984·8		
Mean.	990 ·28	980 ·57	1007 ·18	1002 ·98	987 ·30	981 ·21	981 ·57	971 ·50	985 ·59	980 ·85	992 ·15	988 ·12

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	970·5	959·0	988·8	979·8	988·9	978·7	986·3	979·7	985·4	977·8	980·3	971·3
2	981·6	970·5	988·8	983·1	979·6	973·5	984·4	974·7	982·4	977·5	975·8	955·3
3	984·0	981·5	985·7	982·8	977·4	967·8	993·4	982·5	983·0	977·7	969·0	956·7
4	981·9	978·4	986·6	984·4	985·2	977·4	993·2	988·4	993·8	974·6	980·1	969·0
5	982·1	980·4	990·6	986·4	984·6	976·8	988·4	982·4	003·6	993·8	989·6	979·0
6	982·5	979·5	993·2	985·9	976·8	970·7	982·4	973·2	003·3	997·6	998·2	989·6
7	989·4	982·5	996·2	993·2	973·6	970·6	973·5	960·5	997·6	994·5	002·8	998·2
8	991·1	988·3	994·2	990·4	972·5	966·9	960·5	950·8	994·5	987·4	002·4	001·3
9	992·8	991·4	992·9	989·9	977·5	972·5	962·6	954·0	988·3	984·5	003·0	001·7
10	992·7	987·8	992·8	987·2	974·9	967·3	965·2	959·6	997·6	988·3	003·0	999·0
11	989·6	987·0	987·5	980·4	976·8	962·4	976·6	965·2	001·1	996·9	999·0	990·0
12	990·5	988·0	980·4	977·8	987·4	976·7	977·3	969·1	007·0	000·9	991·3	986·7
13	988·0	982·9	986·4	978·5	987·5	983·8	969·1	960·8	010·2	006·9	986·7	979·4
14	985·5	983·1	994·9	986·2	997·0	985·9	972·1	963·5	007·8	999·9	987·4	979·3
15	984·7	976·2	996·6	994·4	002·0	997·0	981·2	972·1	999·9	996·5	988·1	980·1
16	983·8	975·4	994·4	993·4	000·8	993·9	977·5	971·8	998·5	996·8	987·0	979·5
17	990·0	983·8	994·2	990·3	993·9	979·5	986·2	968·4	997·7	989·3	979·5	972·2
18	992·4	989·6	997·6	993·9	979·5	974·4	991·6	963·8	989·3	983·1	976·8	974·9
19	992·4	989·4	996·5	991·2	988·6	974·4	992·4	970·7	986·3	981·3	981·3	975·4
20	989·4	984·3	992·0	986·5	995·6	988·6	970·7	967·2	981·3	974·4	989·4	980·8
21	984·8	982·8	991·9	988·7	996·6	991·5	972·9	966·7	980·2	976·5	988·5	980·6
22	984·3	980·0	001·8	991·8	991·5	975·3	976·8	960·2	979·0	957·2	986·4	979·1
23	985·5	981·1	002·7	001·3	975·8	972·6	977·7	974·2	969·0	962·2	982·9	976·2
24	981·1	974·9	002·0	999·3	975·2	963·1	982·1	973·8	977·9	969·0	005·7	980·5
25	974·9	970·8	000·9	996·8	966·2	962·1	982·4	966·2	983·2	974·0	009·1	005·6
26	970·8	968·7	996·8	989·5	985·3	966·2	968·3	963·3	974·0	958·2	007·1	994·2
27	971·3	967·6	993·1	988·3	000·2	985·3	972·0	966·1	991·8	961·0	994·2	989·4
28	979·3	970·3	993·3	990·5	001·9	999·9	984·2	972·0	997·9	991·8	989·8	981·7
29	980·0	978·2	990·5	982·4	000·0	989·2	983·5	956·8	992·9	977·7	981·7	973·3
30	980·0	978·4	982·9	977·9	989·3	979·1	969·6	955·8	979·1	971·6	977·9	974·2
31	979·8	977·4	990·2	982·9			986·1	969·6			978·1	967·3
Mean.	984 ·09	979 ·65	992 ·79	987 ·91	986 ·07	977 ·44	978 ·72	967 ·84	991 ·12	982 ·63	989 ·42	981 ·34

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.

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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, 1932.

Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	73·1	73·8	74·4	75·2	76·0	77·9	78·7	79·9	80·1	80·5	80·8	81·0	81·1	80·7	81·5	81·8	81·8	81·9	81·9	81·8	82·0	81·9	82·0	81·1	79·4
2	79·8	80·6	81·2	81·1	82·0	82·6	82·5	82·8	82·7	82·8	82·8	83·0	83·2	83·4	83·7	83·7	84·1	83·4	83·2	83·2	83·4	83·4	83·6	83·9	82·7
3	84·2	84·3	84·3	84·3	84·2	84·0	83·9	83·8	83·7	83·8	83·9	84·3	84·1	84·2	84·2	84·3	84·7	84·5	84·3	84·1	84·0	83·9	83·9	83·8	84·1
4	84·0	84·1	84·0	83·8	83·4	83·1	82·6	82·3	82·2	81·8	81·5	81·3	81·3	81·0	81·1	81·4	81·3	81·5	81·2	79·6	80·0	80·1	79·9	79·8	81·8
5	79·0	79·0	79·0	79·0	79·1	79·0	79·6	79·8	79·9	80·3	80·8	81·0	81·0	81·0	81·2	81·6	82·0	82·5	82·0	81·2	80·3	79·8	78·8	78·9	80·3
6	78·9	78·7	78·9	79·1	78·7	77·9	77·4	77·7	78·5	78·5	78·3	78·7	78·7	78·7	78·2	77·0	76·1	76·3	76·6	76·9	76·8	76·1	76·0	75·1	77·7
7	74·9	74·9	74·8	75·0	74·8	75·0	74·3	74·2	74·9	74·9	75·1	74·9	76·5	76·1	75·4	74·8	74·3	74·9	74·0	74·0	74·4	74·2	73·8	72·9	74·8
8	73·3	72·5	72·9	72·2	71·7	72·1	70·5	71·1	69·9	70·9	72·3	73·3	73·9	74·5	73·7	71·0	70·7	70·9	70·8	69·6	70·2	70·7	71·0	71·0	71·7
9	71·3	71·5	71·8	70·3	70·7	72·8	73·1	73·0	73·6	73·6	74·0	74·1	74·8	74·1	74·7	75·0	76·0	76·6	77·4	78·7	79·4	80·0	80·2	80·1	74·7
10	80·0	80·1	80·2	80·2	80·0	79·0	78·2	79·6	79·8	79·8	80·0	80·0	79·3	79·5	79·8	79·7	79·3	79·0	79·2	79·0	79·1	77·9	77·1	76·2	79·3
11	75·6	74·9	74·5	75·1	74·3	73·7	72·9	72·3	72·3	72·1	73·1	73·6	75·0	76·0	76·0	75·6	75·0	75·2	75·3	75·4	75·5	75·3	75·2	75·1	74·6
12	75·3	75·4	75·0	75·1	75·1	75·1	75·1	75·2	75·3	75·5	75·4	76·8	77·1	77·2	77·1	77·1	77·0	77·3	77·5	78·0	78·0	78·1	78·3	79·0	76·4
13	79·2	79·8	80·9	81·0	81·5	81·1	81·0	80·0	80·0	80·1	79·6	79·0	78·9	79·6	78·6	77·9	77·9	77·6	76·9	77·4	77·0	76·7	75·9	74·9	78·9
14	74·1	73·9	73·6	73·5	74·9	74·9	75·4	76·0	77·3	77·8	78·1	78·6	78·2	78·6	79·0	79·1	79·7	79·8	79·9	80·0	79·1	80·0	79·0	78·1	77·4
15	77·9	77·8	76·9	76·4	76·4	76·5	76·7	76·3	75·9	75·9	76·6	77·4	77·8	78·0	78·0	77·9	78·0	78·2	78·4	78·5	80·1	80·9	81·3	81·5	77·8
16	81·8	81·9	81·9	81·9	81·9	82·0	82·1	82·1	82·2	82·2	82·1	82·1	82·1	82·1	82·0	82·0	82·0	81·9	81·7	80·6	80·0	79·8	78·9	78·7	81·6
17	78·7	78·4	78·0	75·9	76·7	77·0	77·6	76·8	76·3	77·1	78·0	78·4	78·8	79·1	79·1	79·1	79·2	80·0	80·4	80·9	80·9	81·1	81·3	82·0	78·7
18	82·0	81·9	81·7	81·9	81·7	82·1	82·2	82·1	82·4	82·6	82·9	82·7	82·0	81·8	81·8	81·4	81·4	81·5	81·7	81·5	81·4	81·4	81·1	81·1	81·9
19	81·1	81·1	81·2	81·3	81·2	81·2	81·0	81·0	81·1	81·2	81·4	81·2	81·1	81·0	81·1	81·2	81·3	81·3	81·2	81·0	80·9	80·8	80·9	80·9	81·1
20	80·8	80·8	80·8	80·8	80·8	80·8	80·8	80·8	80·9	80·9	80·9	81·0	81·0	81·0	81·0	81·0	80·9	80·9	80·9	80·9	80·8	80·8	80·8	80·8	80·9
21	80·8	80·8	80·5	80·3	80·3	80·2	80·2	80·2	80·1	80·1	80·3	80·5	80·4	80·5	80·3	80·0	79·7	79·6	79·4	79·9	79·9	79·9	79·8	79·9	80·2
22	80·0	80·0	80·0	79·9	79·4	79·0	78·9	77·9	76·7	76·9	78·0	80·0	80·7	80·9	79·9	76·7	74·9	74·0	72·8	72·0	71·9	71·0	70·8	72·1	77·0
23	73·0	73·7	73·8	74·0	74·3	76·0	76·8	76·9	76·7	76·9	77·9	78·3	78·7	78·9	79·1	79·2	79·2	79·3	79·2	79·2	79·1	78·3	78·2	78·1	77·2
24	78·5	78·6	78·1	77·8	77·7	77·4	77·4	77·5	77·7	77·6	79·0	79·5	79·6	79·7	78·7	77·7	76·0	75·3	77·0	76·7	76·8	77·2	77·7	78·0	77·8
25	77·7	76·6	75·3	75·2	74·7	74·8	73·7	74·1	76·1	76·6	77·9	78·3	79·0	78·8	78·2	76·2	74·4	72·7	71·0	70·3	70·0	68·9	68·6	68·1	74·7
26	68·5	67·5	66·5	66·9	67·0	66·0	65·6	65·7	66·2	68·0	73·7	74·4	74·2	74·3	74·4	74·7	74·7	74·8	73·4	73·0	73·2	73·2	73·7	73·9	70·9
27	74·0	74·0	74·2	75·6	75·5	76·1	76·4	76·6	76·9	77·0	77·1	77·2	77·3	77·2	77·2	77·1	77·0	77·0	77·0	77·0	76·9	77·0	75·7	76·7	76·4
28	76·4	76·5	76·6	76·5	76·3	76·1	76·0	75·9	76·0	76·1	76·2	76·3	76·5	76·4	76·2	76·0	76·0	76·0	75·7	75·2	75·5	75·7	75·6	76·0	76·1
29	76·2	76·7	76·9	77·2	77·2	77·8	77·9	78·1	78·5	78·6	78·6	78·8	78·8	79·0	79·0	79·7	78·9	77·5	77·7	77·7	77·3	75·4	75·3	75·9	77·7
30	75·9	75·0	74·3	73·0	70·8	69·8	69·1	69·3	70·4	72·1	75·0	77·0	79·0	80·0	79·9	78·1	74·1	72·9	71·6	70·8	70·0	69·8	69·0	68·7	73·3
31	67·9	67·9	68·5	68·0	69·0	69·0	69·9	70·3	70·9	72·3	73·7	76·0	76·2	76·2	77·4	77·1	76·9	76·4	76·5	76·9	77·0	77·4	77·9	79·0	73·5
Mean	77·2	77·2	77·1	77·0	77·0	77·1	77·0	77·1	77·3	77·6	78·2	78·7	78·9	79·0	79·0	78·6	78·2	78·1	77·9	77·8	77·8	77·6	77·5	77·5	77·8

183. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. February, 1932.

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

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

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

184. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres. March, 1932.

Hour G. M. T.	1.	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	72·5	72·8	73·0	70·9	72·2	70·7	70·9	73·0	74·4	76·1	77·0	78·2	79·0	78·8	77·9	77·1	76·0	74·8	74·6	74·1	74·3	73·9	74·1	74·0	74·6
2	73·6	73·0	73·4	73·8	73·8	73·9	73·6	73·7	74·7	75·1	75·0	75·1	75·5	75·1	75·4	75·1	75·0	74·6	74·5	74·1	74·0	73·8	73·8	73·7	74·3
3	73·5	73·2	73·5	73·8	74·0	73·9	73·8	74·1	74·9	76·0	77·0	77·9	78·7	79·5	79·7	79·1	76·2	73·9	71·3	70·7	69·2	68·0	66·8	68·4	74·2
4	69·7	70·3	70·9	69·9	69·5	69·6	70·2	70·9	72·2	75·2	78·2	80·2	79·0	78·9	79·0	78·4	78·0	77·6	75·9	75·9	75·7	76·3	76·2	76·5	74·6
5	77·0	77·1	77·3	77·3	77·5	77·5	77·6	77·7	77·9	78·4	78·8	78·9	79·0	79·0	77·2	77·3	75·8	75·3	73·7	73·2	73·3	73·2	73·0	73·0	76·6
6	72·9	72·9	72·7	72·7	72·0	72·6	72·6	72·7	73·3	74·0	73·8	73·1	73·4	73·5	74·0	73·7	73·3	72·8	72·7	72·8	72·4	71·5	70·7	70·0	72·8
7	73·0	73·0	73·0	72·7	72·6	72·9	73·4	72·7	72·9	73·7	74·0	74·0	74·0	74·0	75·2	75·2	75·6	76·0	75·7	75·8	75·3	73·8	72·8	72·7	73·9
8	72·0	71·9	72·1	71·9	71·5	70·8	70·0	72·3	74·5	75·2	76·0	76·2	76·7	76·4	76·7	76·9	74·1	72·2	71·0	70·2	69·1	69·3	70·0	71·0	72·9
9	70·7	70·3	71·0	71·1	72·1	72·2	72·3	72·8	72·9	74·7	75·0	75·7	76·5	76·2	76·5	76·7	74·7	73·1	72·1	71·7	70·9	70·3	69·2	69·1	72·9
10	71·7	72·7	73·6	72·0	72·9	73·1	72·4	73·8	74·0	75·1	75·9	76·3	76·8	77·0	74·7	75·1	74·0	73·2	72·4	71·2	71·9	71·0	70·5	70·6	73·4
11	71·0	71·5	71·2	72·0	71·9	72·8	72·9	73·5	74·3	75·3	74·9	76·0	76·1	75·9	76·0	75·3	74·9	73·9	72·8	72·1	70·6	69·9	68·1	66·9	73·0
12	66·0	65·1	66·1	66·1	66·9	67·4	69·0	70·9	72·1	73·2	75·0	76·0	77·0	76·6	76·7	76·6	76·7	76·6	76·2	76·1	75·8	76·0	76·7	76·7	_72·8_
13	76·8	76·7	77·0	77·6	76·8	77·1	76·4	77·2	78·5	79·2	79·6	80·0	81·0	80·7	81·1	81·0	81·1	78·8	77·9	76·1	75·0	73·9	74·0	76·7	77·9
14	76·7	76·8	75·8	75·0	72·9	72·1	71·1	73·5	76·6	79·9	80·1	80·9	82·3	82·6	82·6	82·9	81·0	80·0	78·7	77·9	76·2	75·0	75·9	75·7	77·6
15	75·1	75·2	76·1	76·1	75·8	75·8	75·6	76·6	77·3	77·3	77·8	77·9	78·1	78·3	78·1	78·0	77·8	77·3	77·1	76·6	76·6	76·1	76·0	75·7	76·8
16	75·8	75·3	75·2	73·5	71·6	72·1	72·6	73·5	74·8	76·2	78·8	79·7	79·5	79·1	78·7	78·6	78·4	77·9	77·4	76·7	76·6	76·7	76·0	75·7	76·3
17	75·9	76·3	75·8	75·7	75·9	75·9	75·9	76·1	76·7	77·4	77·0	77·9	78·1	78·1	78·0	78·1	77·9	77·2	75·0	75·4	75·4	75·4	74·9	74·7	76·5
18	73·8	72·0	71·6	70·9	70·5	69·7	69·0	71·9	75·8	79·5	80·8	81·3	80·0	79·5	79·8	79·7	79·2	78·3	75·7	76·9	76·2	75·0	75·9	73·9	75·7
19	73·1	72·0	71·7	71·9	71·9	72·0	72·7	73·3	75·0	78·8	79·3	79·6	80·0	79·8	79·5	79·2	78·4	78·4	77·9	77·8	77·5	77·6	77·7	77·8	76·3
20	77·9	79·0	78·9	78·7	79·0	78·5	77·9	78·8	79·5	80·1	80·4	80·1	80·2	80·3	79·5	79·0	78·8	78·1	78·0	77·9	77·8	77·7	77·9	78·0	78·8
21	78·0	78·1	78·1	78·1	78·1	78·2	78·3	78·7	78·9	79·0	79·5	79·7	80·2	81·0	81·1	81·3	81·0	80·7	80·3	80·0	79·7	79·4	79·0	79·2	_79·4_
22	79·0	79·0	79·1	79·2	78·9	78·9	79·0	79·1	79·1	79·3	79·1	79·6	80·8	80·9	80·7	80·5	80·2	80·9	79·2	78·5	77·0	75·8	75·8	76·1	79·1
23	75·2	75·0	75·6	75·3	74·3	73·9	73·7	74·4	76·0	78·2	79·6	80·4	80·6	80·1	80·2	81·1	80·4	90·0	78·4	77·1	75·0	74·2	74·2	74·0	77·0
24	73·4	74·1	75·4	75·9	76·0	76·5	76·9	77·1	77·1	77·4	77·9	78·2	79·0	79·4	79·9	78·9	78·6	78·1	78·1	78·2	78·2	78·0	77·7	77·9	77·3
25	78·1	77·9	77·3	77·0	76·6	76·1	76·1	77·0	77·7	78·8	80·7	81·7	82·6	82·3	83·0	83·0	82·0	80·1	78·1	77·7	77·3	76·0	74·9	74·8	78·7
26	73·1	71·8	73·0	74·0	73·6	74·1	75·8	77·6	78·1	79·1	79·3	81·3	82·2	83·2	82·3	81·6	81·1	79·1	78·4	77·8	77·2	77·1	77·6	77·5	77·7
27	77·1	77·1	77·0	77·2	77·3	77·9	78·0	78·2	79·0	79·1	79·7	79·3	79·1	79·2	79·7	79·9	80·1	80·0	79·6	78·7	79·0	79·4	79·0	79·0	78·7
28	79·1	78·9	77·0	76·5	77·0	77·0	77·3	77·4	78·0	79·2	79·2	79·9	80·8	80·9	82·0	81·7	81·0	79·1	78·9	79·1	79·0	73·9	78·9	78·7	79·0
29	78·8	78·9	78·5	78·4	78·4	78·3	78·2	78·3	79·2	79·3	80·8	80·0	80·5	79·0	78·6	78·2	78·2	78·6	78·5	78·4	77·9	78·1	78·0	77·8	78·7
30	77·3	76·3	74·2	74·0	73·9	74·3	75·2	76·2	77·4	79·2	80·0	79·9	78·1	78·8	79·1	79·3	78·7	78·6	78·6	78·3	77·3	78·0	77·2	77·6	77·4
31	77·1	77·5	77·4	77·3	76·9	77·1	77·2	76·6	76·3	76·9	77·7	77·1	76·9	76·0	77·0	76·9	76·3	76·0	73·4	71·9	71·4	72·0	71·0	70·0	75·7
Mean	74·7	74·6	74·6	74·4	_74·3_	74·3	74·4	75·1	76·1	77·3	78·0	78·5	_78·8_	78·7	78·7	78·6	77·9	77·1	76·2	75·3	75·3	74·9	74·6	74·6	76·1

185. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. April, 1932.

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	68·9	67·9	67·7	66·9	68·9	69·7	72·0	72·8	74·1	75·0	74·0	73·8	73·9	74·4	74·1	73·9	73·7	73·6	73·2	73·2	73·2	73·3	73·4	73·3	_72·2_
2	73·3	73·3	73·5	73·7	73·3	73·6	73·4	74·1	74·2	75·2	75·3	76·4	77·0	78·0	78·3	78·7	78·2	75·9	74·0	72·1	72·2	72·1	70·7	70·0	74·5
3	69·1	68·6	67·9	67·4	67·1	67·4	69·8	73·2	77·1	79·0	80·1	80·0	80·0	80·3	80·1	80·6	79·0	77·8	76·3	76·0	75·1	75·8	75·5	75·0	74·8
4	74·6	74·3	74·3	74·3	74·3	74·1	74·9	76·6	77·4	78·1	79·3	78·9	78·7	80·2	79·8	79·0	79·0	78·2	76·0	74·1	72·5	72·0	71·0	70·6	76·0
5	69·1	68·9	68·3	68·2	67·2	68·0	73·0	76·7	76·7	78·7	77·7	79·3	78·1	79·9	80·7	80·0	78·3	78·3	78·0	77·9	78·2	78·3	78·1	78·0	75·5
6	78·0	79·7	79·9	80·0	80·1	80·0	80·4	80·9	81·2	82·0	82·0	82·0	81·5	82·2	81·2	79·7	78·7	78·7	76·5	77·1	76·2	76·0	75·3	74·9	79·4
7	74·9	74·7	74·1	73·7	74·2	74·7	74·3	75·1	76·4	75·9	76·7	75·9	76·0	75·0	77·9	77·8	77·0	76·5	75·9	76·0	76·3	76·7	76·1	76·0	75·7
8	75·7	75·6	75·5	74·9	74·4	74·3	75·4	77·0	78·0	77·3	77·0	78·8	79·0	79·0	79·0	80·1	79·9	78·1	75·7	74·7	74·0	72·9	73·0	73·0	76·4
9	72·1	72·2	73·8	74·6	74·4	75·9	77·0	78·6	80·0	80·6	80·7	80·6	80·4	80·1	79·9	80·6	80·2	81·2	81·1	81·0	81·0	80·3	80·3	79·4	78·5
10	75·7	76·6	76·2	76·0	76·5	76·8	76·9	77·0	77·4	77·9	78·0	79·1	80·6	81·0	80·3	80·5	79·0	77·6	76·4	75·4	74·8	74·3	74·5	74·9	77·3
11	74·4	73·4	73·9	74·0	73·9	73·5	74·2	74·6	75·0	76·0	78·0	78·6	78·9	78·6	75·6	76·1	74·0	74·3	72·8	72·9	72·2	71·5	71·0	72·0	74·6
12	71·1	71·6	71·3	71·5	71·7	72·0	73·2	74·4	76·0	77·7	78·5	79·5	80·1	80·7	80·9	80·7	80·6	78·0	76·8	75·4	73·8	73·3	72·5	70·3	75·5
13	69·9	68·9	68·1	68·3	68·0	68·7	70·1	72·3	75·5	77·5	78·1	78·4	78·4	80·5	79·3	79·3	78·8	78·8	78·6	78·7	78·5	78·2	78·0	77·6	75·2
14	77·1	76·6	76·5	76·7	76·6	77·0	78·1	78·0	77·7	77·1	77·5	78·0	78·3	78·0	78·0	79·7	78·0	77·6	76·7	76·0	76·0	75·0	74·7	74·0	77·1
15	73·7	73·7	74·0	75·4	75·5	76·5	77·0	77·0	77·9	78·1	79·3	80·0	80·5	80·7	79·2	79·5	79·9	78·8	77·3	74·9	75·2	74·9	75·2	75·7	77·0
16	75·4	75·1	74·9	74·9	74·8	74·9	76·2	77·9	77·9	78·0	80·6	80·7	80·3	81·0	80·7	81·0	80·1	78·9	77·0	75·7	75·3	74·8	74·5	74·1	77·3
17	73·9	74·0	73·9	73·9	73·8	74·7	75·7	78·0	78·3	80·6	81·6	80·2	81·9	81·3	81·3	82·0	80·9	79·9	78·0	75·2	76·5	76·0	75·0	75·6	77·6
18	75·1	75·4	75·6	75·4	75·2	75·8	76·3	76·9	77·1	76·7	78·2	80·0	80·0	80·1	81·0	80·8	80·7	80·4	79·1	78·3	77·8	76·9	76·9	76·4	77·7
19	77·0	77·5	77·3	77·0	76·8	77·6	77·8	79·3	79·7	78·7	81·0	81·6	83·0	82·1	81·2	79·9	79·7	79·0	79·0	78·6	78·7	78·9	77·6	77·1	79·0
20	76·9	76·4	76·9	76·3	75·7	75·9	76·3	77·9	78·7	78·7	80·3	79·7	76·6	77·9	75·7	77·0	77·2	77·1	76·7	76·7	75·6	74·1	73·7	73·4	76·8
21	72·6	73·7	74·2	74·3	74·6	75·0	75·9	77·2	78·3	79·1	78·6	78·7	75·6	76·7	78·6	77·8	77·8	78·6	77·7	75·0	74·0	73·9	73·8	71·9	76·0
22	71·0	70·3	69·7	69·4	68·8	69·9	73·1	75·7	78·5	80·0	78·6	80·9	81·3	81·1	80·5	80·1	79·0	78·3	78·0	78·3	78·2	78·6	78·2	75·7	76·3
23	75·0	74·4	74·9	74·8	75·3	76·5	77·5	79·2	79·7	80·9	80·0	78·0	75·7	78·0	79·4	79·8	79·5	79·0	78·9	78·0	78·1	77·4	77·7	77·0	77·7
24	77·2	76·4	76·1	76·0	75·6	77·3	77·2	78·5	78·5	79·0	79·1	80·9	80·8	81·0	82·9	80·6	81·1	79·0	78·2	77·0	77·0	76·9	76·8	76·4	78·3
25	76·0	75·8	76·0	75·0	75·2	76·2	77·0	77·0	77·5	77·8	80·2	79·5	80·4	81·0	81·3	80·9	81·1	79·8	77·0	73·9	72·6	71·8	73·0	73·6	77·1
26	74·8	74·9	75·0	75·0	74·4	74·9	76·8	77·5	79·7	81·0	82·1	83·0	83·6	84·0	82·8	82·7	82·3	81·7	79·9	77·6	75·7	76·8	74·5	72·3	78·5
27	71·0	70·1	69·6	69·4	69·8	71·8	75·7	79·3	81·0	82·3	83·0	84·0	85·0	85·8	85·4	85·6	85·1	83·0	82·2	81·7	81·0	80·8	80·7	80·6	79·2
28	79·8	79·9	79·9	79·7	79·7	79·7	80·1	80·7	81·0	82·0	83·0	83·0	83·0	83·1	82·8	82·7	82·7	82·1	81·4	80·9	80·7	80·5	80·2	80·1	81·2
29	80·0	80·0	80·0	80·0	80·0	80·0	80·3	81·1	82·8	83·9	84·7	84·7	84·7	85·3	86·3	85·9	86·6	85·1	84·3	82·9	82·1	83·2	82·0	81·7	_82·8_
30	81·3	81·1	80·4	79·7	79·6	79·6	79·9	80·0	81·0	82·7	82·2	83·7	85·1	85·7	85·1	83·7	83·7	82·8	82·7	81·9	81·0	80·7	80·0	79·7	81·8
Mean	74·5	74·4	74·3	74·2	_74·2_	74·7	75·9	77·1	78·1	78·9	79·5	79·9	79·9	_80·4_	80·3	80·2	79·7	78·9	77·8	76·9	76·5	76·2	75·8	75·3	77·2
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.

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

186. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres. May, 1932.

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

187. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. June, 1932.

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

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, 1932.

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

189. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. August, 1932.

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

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

TEMPERATURE.

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

190. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulb above ground) = 0·9 metres. September, 1932.

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

191. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. October, 1932.

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

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, 1932.

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

193. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. December, 1932.

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

TEMPERATURE.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

194. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. **1932.**

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
78·49	78·37	78·28	78·20	78·28	78·58	78·99	79·67	80·45	81·23	81·91	82·38	82·65	82·76	82·66	82·31	81·75	81·17	80·50	79·89	79·43	79·07	78·81	78·63	80·19

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures for the mean of the day are adjusted for non-cyclic change

195. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. **1932.**

Month	Mean.	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	277·76	-0·43	-0·48	-0·56	-0·67	-0·68	-0·60	-0·70	-0·65	-0·46	-0·17	+0·48	+0·91	+1·15	+1·24	+1·17	+0·76	+0·41	+0·28	+0·11	-0·05	-0·07	-0·21	-0·36	-0·40
Feb.	275·36	-1·53	-1·61	-1·67	-1·65	-1·61	-1·45	-1·66	-1·53	-0·57	+0·55	+1·71	+2·71	+3·19	+3·47	+3·32	+2·68	+1·38	+0·28	-0·26	-0·65	-0·97	-1·27	-1·40	-1·47
Mar.	276·14	-1·51	-1·61	-1·58	-1·77	-1·90	-1·88	-1·79	-1·01	-0·05	+1·14	+1·85	+2·32	+2·63	+2·58	+2·58	+2·44	+1·77	+1·02	+0·09	-0·34	-0·85	-1·22	-1·47	-1·46
Apr.	277·24	-2·60	-2·74	-2·81	-2·92	-2·97	-2·43	-1·32	-0·03	+0·94	+1·71	+2·29	+2·69	+2·69	+3·16	+3·03	+2·93	+2·42	+1·62	+0·51	-0·44	-0·91	-1·18	-1·59	-2·06
May.	281·00	-2·63	-2·68	-2·70	-2·63	-2·43	-1·81	-0·93	+0·09	+0·91	+1·69	+2·33	+2·72	+2·90	+2·84	+2·86	+2·49	+2·07	+1·56	+0·74	-0·38	-1·09	-1·52	-1·99	-2·43
June.	285·09	-3·72	-4·27	-4·74	-4·83	-3·91	-2·61	-1·37	-0·01	+1·37	+2·29	+3·01	+3·50	+3·86	+4·15	+4·28	+4·15	+3·61	+2·83	+1·82	+0·21	-1·27	-2·13	-2·75	-3·49
July.	286·16	-1·78	-1·84	-1·93	-1·99	-1·83	-1·39	-0·77	-0·29	+0·32	+0·98	+1·29	+1·71	+2·09	+2·25	+2·32	+2·07	+1·90	+1·51	+0·81	-0·11	-0·75	-1·31	-1·59	-1·66
Aug.	286·39	-2·11	-2·23	-2·31	-2·51	-2·43	-2·18	-1·43	-0·40	+0·45	+1·29	+2·04	+2·55	+2·86	+3·01	+2·82	+2·58	+2·21	+1·68	+0·61	-0·42	-1·04	-1·46	-1·69	-1·87
Sept.	282·87	-1·67	-1·95	-2·13	-2·21	-2·25	-2·29	-1·75	-0·56	+0·69	+1·67	+2·16	+2·60	+2·86	+2·80	+2·83	+2·42	+1·74	+0·79	-0·01	-0·55	-0·93	-1·24	-1·41	-1·64
Oct.	279·02	-1·29	-1·42	-1·53	-1·72	-1·83	-1·76	-1·61	-0·87	+0·18	+1·10	+2·02	+2·44	+2·68	+2·75	+2·43	+1·92	+1·05	+0·25	-0·16	-0·40	-0·67	-1·11	-1·29	-1·19
Nov.	277·34	-0·81	-0·76	-0·71	-0·65	-0·81	-0·81	-0·91	-0·83	-0·49	+0·20	+0·94	+1·45	+1·85	+1·94	+1·60	+0·95	+0·40	+0·15	-0·17	-0·24	-0·34	-0·51	-0·68	-0·74
Dec.	277·60	-0·27	-0·16	-0·15	-0·25	-0·18	-0·10	-0·17	-0·16	-0·11	+0·20	+0·61	+0·84	+0·88	+0·82	+0·56	+0·13	-0·15	-0·20	-0·33	-0·32	-0·33	-0·36	-0·39	-0·41
Year	280·19	-1·69	-1·81	-1·89	-1·98	-1·90	-1·60	-1·19	-0·52	+0·27	+1·05	+1·72	+2·20	+2·46	+2·57	+2·47	+2·12	+1·56	+0·98	+0·31	-0·31	-0·77	-1·12	-1·38	-1·56

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. **1932.**

Month.	Jan.		Feb.		Mar.		Apr.		May.		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1.	82·3	72·4	82·9	74·0	79·1	70·4	75·2	66·9	82·4	77·5	92·2	79·0	90·1	85·4	88·6	80·0	90·1	86·1	82·7	74·8	83·2	76·9	77·9	73·6
2	84·2	79·8	80·1	68·8	75·5	72·8	78·8	70·0	81·2	78·3	94·9	78·4	88·7	82·9	86·5	77·4	90·0	83·0	85·1	75·0	84·8	80·6	80·7	72·8
3	84·7	83·7	82·2	76·2	79·8	66·7	81·0	67·0	82·9	76·9	85·5	74·7	88·8	82·2	89·8	82·9	86·0	81·1	82·4	70·8	85·1	80·9	76·8	73·0
4	84·1	79·5	80·1	78·0	80·2	68·3	80·7	70·3	82·4	74·9	84·7	73·0	87·3	85·2	92·0	80·7	85·7	79·1	81·3	69·1	83·6	73·9	78·0	73·9
5	82·7	78·7	79·5	76·9	79·8	72·6	81·1	67·1	80·9	74·2	85·6	74·2	90·9	83·9	89·0	83·1	85·9	83·3	83·8	77·2	80·4	68·6	77·8	70·7
6	79·3	75·0	79·0	76·0	74·3	70·0	82·6	74·5	80·1	72·4	86·6	73·5	88·0	84·0	90·2	83·9	87·3	80·6	84·2	82·0	78·9	66·8	75·7	70·3
7	76·7	72·8	79·4	69·7	76·3	69·4	78·1	72·9	82·4	71·4	85·6	75·8	90·6	84·4	91·1	82·7	87·3	79·7	84·9	81·8	78·5	69·7	76·7	70·2
8	74·5	69·1	79·7	70·0	76·8	67·9	80·6	72·6	82·7	68·9	86·4	79·3	91·5	85·0	91·3	83·6	86·4	82·4	82·3	79·0	78·7	76·1	75·3	69·5
9	80·4	69·9	78·5	69·1	76·8	68·9	81·4	72·0	85·9	70·0	89·6	78·2	92·2	87·7	93·0	83·5	90·2	80·0	85·0	73·9	79·3	72·6	76·4	70·9
10	80·1	76·0	72·9	67·9	77·1	69·1	82·2	74·3	85·9	73·0	91·0	79·5	93·9	86·0	91·2	85·6	87·8	81·9	84·6	73·4	80·0	71·3	77·3	74·8
11	76·4	71·6	77·2	71·1	76·2	66·9	79·6	71·0	84·1	72·8	93·1	76·6	90·8	84·2	98·7	85·6	87·5	82·0	85·3	77·1	80·3	72·6	77·7	75·0
12	79·0	75·0	77·8	71·5	77·4	64·9	81·2	69·9	84·0	79·8	92·6	78·8	86·7	84·1	93·0	88·3	87·1	80·3	83·1	72·7	81·2	78·2	76·7	73·1
13	82·9	74·9	77·2	73·6	81·4	73·1	81·0	67·7	85·1	80·9	90·6	80·9	87·8	84·0	90·8	85·6	88·8	78·9	81·1	74·3	80·7	75·6	76·9	72·4
14	80·1	73·3	78·9	67·1	83·3	70·4	79·7	73·9	87·0	76·8	95·0	80·4	87·6	81·8	90·1	84·9	91·2	87·0	83·4	73·4	79·3	76·6	79·3	76·9
15	81·6	75·8	81·1	66·0	78·3	75·0	81·9	73·0	91·1	76·3	92·5	79·0	92·9	80·6	90·3	84·7	90·5	86·6	84·5	78·0	78·8	77·0	80·7	78·2
16	82·3	78·7	80·5	66·9	79·8	71·1	81·6	74·1	87·4	78·1	95·5	74·9	88·4	82·8	91·0	85·1	92·6	86·0	84·0	80·2	78·7	74·4	83·0	79·2
17	82·0	75·5	79·3	66·2	78·6	74·5	82·0	73·7	90·6	74·5	97·4	79·8	88·3	81·2	94·6	87·6	89·6	83·9	84·1	80·0	78·4	74·5	82·5	80·4
18	83·0	81·0	78·0	66·3	82·0	68·8	81·2	74·9	89·8	76·0	90·0	80·2	91·7	81·4	90·9	82·0	85·0	78·8	84·0	75·1	77·0	74·4	82·9	79·3
19	81·6	80·8	82·6	65·1	80·5	71·5	83·4	76·4	87·8	83·0	87·9	78·4	92·1	83·8	90·1	82·1	85·6	74·5	81·0	72·5	79·9	73·3	83·0	80·9
20	81·1	80·7	77·6	66·4	80·9	77·6	81·0	73·0	87·1	82·6	90·9	75·0	89·9	83·0	91·1	84·5	84·5	72·8	84·0	74·2	79·6	72·8	81·5	78·2
21	80·9	79·8	81·9	66·0	81·6	78·0	80·7	71·9	85·6	80·7	91·8	79·5	88·9	81·9	84·1	82·7	85·6	70·4	83·0	73·7	78·4	71·4	81·0	77·4
22	80·9	70·3	81·8	74·3	82·0	75·0	82·2	68·8	85·8	79·4	93·8	75·8	88·9	80·5	87·0	81·7	84·1	69·7	81·2	75·9	83·2	75·1	80·2	76·3
23	79·4	72·1	83·5	77·4	81·9	73·2	81·3	74·2	84·2	75·8	91·1	83·1	90·5	80·3	89·1	77·1	83·0	71·5	80·8	72·7	77·2	74·1	82·2	79·3
24	79·8	75·2	79·2	75·7	80·0	73·0	82·9	75·0	85·5	75·0	89·3	84·9	90·0	83·0	91·1	73·9	84·5	73·9	83·5	72·6	77·1	74·2	80·9	75·7
25	79·3	67·8	77·9	75·9	83·2	74·3	82·0	71·3	83·7	74·9	91·8	83·4	90·0	81·1	87·0	76·7	85·4	78·7	82·0	70·7	82·3	73·3	81·1	78·8
26	74·9	64·9	78·1	75·7	83·6	71·1	84·7	72·3	82·9	79·0	89·6	85·4	89·8	80·4	89·3	83·4	82·1	77·9	83·0	76·6	82·6	76·5	79·5	78·7
27	77·4	73·9	81·5	72·1	80·1	77·0	86·1	69·1	87·1	79·7	90·2	84·9	89·9	82·6	91·9	79·1	83·8	71·0	78·4	74·8	78·3	73·5	80·1	78·9
28	76·7	75·2	75·9	72·8	82·5	76·5	83·7	79·6	84·5	80·2	85·4	81·9	88·2	82·1	90·6	77·9	83·8	68·4	79·0	72·7	82·0	72·7	79·3	75·9
29	79·8	75·0	78·9	71·3	81·0	77·8	87·8	73·9	85·2	80·9	92·5	81·0	87·8	78·9	88·3	83·9	87·1	73·9	74·4	67·6	81·9	77·9	81·2	79·1
30	80·5	68·2	---	---	80·4	73·8	85·9	79·5	90·0	80·4	93·0	83·2	89·2	86·0	90·4	81·9	83·4	79·7	79·0	73·8	78·2	72·3	79·1	71·6
31	79·2	67·7	---	---	78·0	70·0	---	---	90·0	77·7	---	---	91·4	83·0	90·0	79·1	---	---	82·2	76·6	---	---	79·2	71·6
Mean.	80·3	74·7	79·4	71·3	79·6	71·9	81·7	72·6	85·3	76·8	90·5	79·1	89·8	83·0	90·4	82·3	86·7	78·8	82·5	74·9	80·3	74·3	79·4	75·4

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

Percentages at exact hours, Greenwich Mean Time.

197. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres. January, 1932.

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

198. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. February, 1932.

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

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row. Values in brackets interpolated.

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, 1932.

Hour G. M. T.	1.	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	85	82	83	80	83	83	80	69	62	55	45	40	44	50	50	57	70	78	80	83	84	80	77	70·5	4·6
2	79	79	77	77	79	77	79	79	77	64	66	75	74	73	74	73	71	76	74	83	83	86	88	88	76·9	5·2
3	86	87	87	86	83	82	77	80	80	57	47	43	45	43	43	49	63	68	73	83	84	88	89	91	71·3	4·8
4	93	91	91	91	90	88	90	91	91	81	51	43	46	56	55	62	64	56	66	66	70	76	81	85	74·0	5·1
5	85	88	89	93	92	90	90	90	89	87	76	74	72	70	84	80	75	79	87	91	91	90	95	91	85·2	6·7
6	98	94	82	83	90	96	97	96	96	91	91	84	90	88	86	84	82	81	86	82	81	86	87	80	88·2	5·3
7	73	75	71	81	76	77	71	74	82	80	87	94	92	96	96	94	91	85	84	84	85	82	80	77	82·9	5·4
8	83	82	76	70	69	64	67	63	57	55	53	53	54	63	60	62	68	76	79	79	79	80	79	76	68·6	4·2
9	79	80	84	86	87	87	89	89	84	73	78	70	58	65	63	62	73	74	71	71	73	76	77	78	76·1	4·6
10	77	72	73	74	82	79	79	79	77	73	68	63	64	64	84	78	76	76	76	86	76	76	77	76	75·3	4·7
11	75	81	79	78	83	86	84	81	81	69	68	58	54	53	51	51	62	56	64	66	73	76	79	80	70·3	4·3
12	81	84	88	89	89	90	91	81	81	66	63	65	66	69	72	73	73	77	83	87	86	90	88	90	79·9	4·8
13	92	93	98	90	95	97	95	97	93	88	88	85	85	79	79	78	83	81	87	91	96	98	96	88	89·7	7·8
14	90	90	89	89	90	92	93	95	91	73	69	63	57	54	54	53	62	66	73	69	78	80	73	82	76·2	6·5
15	84	84	93	93	89	88	89	87	80	79	74	75	78	72	75	75	71	79	79	80	75	81	81	85	81·0	6·5
16	75	80	80	90	84	84	88	88	84	80	64	61	57	66	73	62	63	67	65	72	73	72	83	85	74·4	5·8
17	82	85	89	87	85	85	85	87	82	77	82	71	68	68	68	68	70	79	82	85	87	89	84	85	80·4	6·3
18	87	88	90	90	90	90	91	91	84	53	36	54	56	64	59	61	60	65	70	69	78	78	73	81	73·3	5·4
19	81	86	88	91	91	91	93	93	93	70	68	65	66	67	72	78	86	80	86	89	94	92	92	92	83·3	6·4
20	90	88	87	88	85	88	87	88	80	83	80	76	69	68	72	81	82	89	92	94	94	94	97	98	85·3	7·9
21	98	97	98	98	98	98	99	97	99	99	99	99	99	98	96	98	99	98	99	100	99	99	99	99	98·4	9·5
22	100	100	100	99	100	100	99	99	99	96	99	93	85	86	80	80	79	73	84	88	85	89	88	93	91·5	8·6
23	96	98	93	98	98	100	98	96	98	90	78	76	68	73	79	70	76	74	83	87	85	92	94	98	87·3	7·1
24	93	92	93	86	93	92	87	85	87	89	86	92	87	83	86	88	91	94	95	95	97	95	94	92	90·6	7·5
25	92	89	92	90	90	88	87	84	73	61	62	52	50	41	45	39	37	52	61	60	62	66	63	64	67·3	6·2
26	69	71	74	71	70	68	64	52	48	45	49	40	34	36	37	42	47	59	66	71	77	71	70	73	58·3	5·0
27	82	84	85	85	90	87	89	86	82	83	76	84	88	96	90	90	93	93	91	93	94	86	97	97	87·9	8·1
28	97	97	88	90	85	87	89	93	87	82	82	83	76	82	73	72	75	86	87	97	99	91	91	91	86·8	8·1
29	90	88	93	92	94	96	94	94	86	91	85	82	76	85	91	97	95	93	94	94	94	95	95	92	91·0	8·3
30	96	93	96	92	92	94	89	85	85	81	82	86	88	88	90	83	88	89	91	91	90	89	96	92	89·4	7·5
31	95	90	93	92	90	87	80	75	78	69	64	65	56	64	52	51	47	53	64	69	73	74	80	83	72·9	5·4
Mean	86·6	86·8	87·0	86·8	87·4	87·5	86·9	85·6	83·0	75·7	71·8	70·0	67·7	69·5	70·6	70·5	72·9	75·6	79·7	82·3	83·7	84·5	85·4	85·8	80·1	† 6·2
Vapour * Pressure	mb. 6·0	mb. 5·9	mb. 6·0	mb. 5·9	mb. 5·9	mb. 5·9	mb. 5·9	mb. 6·1	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·2	mb. 6·4	mb. 6·5	mb. 6·4	mb. 6·3	mb. 6·2	mb. 6·1	mb. 6·1	mb. 6·0	mb. 5·9	mb. 5·9	mb. 5·9	mb. ‡6·1	

200. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. April, 1932.

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	86	87	89	90	88	86	86	86	83	80	83	87	89	91	96	89	89	90	98	98	98	98	97	98	89·8	5·2
2	97	96	92	87	86	87	84	80	80	79	77	73	67	60	49	47	51	66	75	79	81	83	86	85	77·2	5·3
3	89	89	87	89	89	89	91	87	70	56	48	48	53	50	49	48	63	67	78	81	93	82	84	78	73·4	5·1
4	78	80	78	78	80	80	84	75	71	57	49	57	48	42	38	43	53	56	69	81	84	87	89	91	68·4	5·2
5	94	94	94	95	93	95	99	73	78	70	74	68	80	62	55	65	75	75	75	82	80	80	82	84	80·2	5·9
6	89	88	87	87	86	88	89	86	85	83	86	77	78	63	65	78	74	71	88	74	81	81	82	84	81·3	7·8
7	84	88	87	92	92	84	89	85	80	79	78	82	81	87	67	71	73	70	71	74	75	70	83	81	80·2	6·0
8	72	69	60	70	75	73	65	58	57	66	59	38	40	42	38	31	36	44	62	66	72	76	78	80	59·5	4·6
9	83	87	89	89	93	96	97	96	99	91	94	93	94	99	99	98	99	96	96	96	85	82	86	83	92·5	8·4
10	85	75	76	78	73	77	82	87	89	86	92	84	77	63	66	57	59	55	56	59	62	66	69	66	72·8	6·1
11	66	71	78	80	89	94	87	83	80	81	69	60	53	46	70	66	81	78	87	66	70	73	81	78	74·2	5·1
12	78	75	77	76	76	78	72	72	64	53	50	46	42	38	35	37	38	54	54	63	72	75	79	83	61·8	4·5
13	83	83	87	89	89	91	93	89	76	81	82	85	92	79	81	84	88	88	91	88	88	90	86	87	86·2	6·2
14	87	88	87	85	88	88	90	83	89	85	92	84	80	83	81	74	83	86	87	83	89	85	89	92	85·8	7·0
15	93	93	89	91	91	87	85	88	82	83	78	70	69	72	78	71	60	67	77	86	79	84	87	85	81·2	6·5
16	87	85	82	82	85	84	81	73	67	69	51	48	54	47	48	48	55	57	66	69	72	73	74	78	68·3	5·7
17	77	77	77	77	78	77	69	51	60	51	40	52	37	34	37	35	34	42	51	63	72	81	80	77	59·5	5·1
18	82	93	84	89	89	84	82	80	69	69	66	47	45	43	42	42	48	53	65	66	71	80	78	80	68·5	5·9
19	78	73	74	72	75	76	74	71	70	76	75	64	50	48	51	77	76	85	85	91	90	87	86	87	74·7	7·0
20	85	90	87	92	85	88	88	79	74	64	69	50	85	75	85	85	85	85	90	88	89	94	89	89	82·9	6·6
21	90	90	96	96	94	96	90	84	83	72	79	73	89	85	75	86	84	79	78	87	89	89	89	89	85·9	6·5
22	89	89	89	89	89	90	91	91	83	71	88	73	67	63	59	65	70	82	84	85	90	88	92	74	81·6	6·3
23	77	72	71	82	79	80	78	69	72	72	70	74	85	80	65	60	71	69	69	81	80	82	78	82	74·7	6·4
24	80	82	79	81	75	68	66	61	52	56	53	48	45	44	35	55	49	57	68	77	80	80	83	85	64·9	5·8
25	83	82	85	93	84	80	67	66	62	59	42	47	39	34	33	40	41	48	63	68	75	75	71	71	63·1	5·2
26	60	54	52	51	54	54	48	48	43	37	37	38	37	39	40	43	46	51	56	67	72	65	76	78	51·8	4·7
27	86	90	90	91	92	90	90	67	57	57	49	33	32	29	32	39	43	58	57	55	57	64	72	76	62·8	6·0
28	87	87	86	88	88	90	91	89	89	86	75	78	79	79	79	83	83	88	93	89	91	93	98	98	86·5	9·4
29	98	96	96	96	96	96	96	89	83	75	67	68	68	66	59	58	58	64	70	78	84	75	87	89	79·3	9·7
30	92	91	93	93	93	93	93	94	89	89	84	79	74	61	69	79	79	80	79	86	88	89	88	90	85·2	9·7
Mean	83·8	83·8	83·3	84·9	84·8	84·6	83·2	78·0	74·5	71·1	68·5	64·1	64·3	60·1	59·4	61·8	64·8	68·7	74·6	77·5	80·5	80·9	83·3	83·3	75·2	† 6·3
Vapour * Pressure	mb. 5·7	mb. 5·6	mb. 5·6	mb. 5·7	mb. 5·6	mb. 5·9	mb. 6·2	mb. 6·4	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·4	mb. 6·4	mb. 6·2	mb. 6·1	mb. 6·3	mb. 6·4	mb. 6·4	mb. 6·4	mb. 6·3	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·0	mb. ‡ 6·2	
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 temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time.

201. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres. May, 1932.

Hour. G. M. T.	1.	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	91	96	94	94	92	94	87	85	86	88	87	87	79	86	81	88	96	94	96	96	96	97	97	90·7	9·0
2	97	98	94	91	96	97	96	90	88	86	83	79	82	84	90	96	94	96	90	90	87	90	90	85	90·6	8·8
3	86	86	82	84	77	82	76	67	66	70	60	57	55	53	52	58	62	69	72	71	73	70	71	70	69·9	6·6
4	70	67	67	72	66	65	65	65	56	53	56	49	59	57	56	47	48	50	76	94	82	81	79	81	64·8	5·8
5	78	81	76	78	74	78	69	70	81	66	74	60	68	74	89	93	80	73	82	77	80	91	80	73	77·0	6·1
6	75	77	77	67	66	70	58	56	62	95	61	66	85	68	66	70	70	59	70	80	80	77	80	80	71·3	5·5
7	80	78	78	78	75	70	64	54	56	51	46	47	38	45	40	43	74	81	88	98	92	92	96	96	68·8	5·3
8	92	88	86	89	92	94	90	65	69	62	49	43	36	54	44	48	37	46	55	81	78	80	86	88	69·0	5·3
9	90	86	88	88	88	88	74	67	64	58	42	39	41	36	30	33	54	62	43	60	71	65	76	79	63·6	5·6
10	78	77	75	76	77	71	66	57	52	41	39	40	44	47	40	41	34	40	48	62	72	75	73	77	58·5	5·5
11	79	80	82	84	82	84	83	73	74	73	58	56	52	55	56	61	60	65	70	76	84	90	94	96	73·2	7·2
12	94	93	98	96	98	98	97	96	98	99	96	98	95	98	95	94	96	96	98	97	98	96	93	92	96·3	11·1
13	93	96	94	98	96	100	100	99	96	96	95	95	90	89	79	87	87	88	95	95	94	98	98	95	93·8	10·8
14	96	96	98	98	96	98	93	98	88	90	84	78	75	68	63	60	63	68	72	81	89	93	96	93	84·8	10·3
15	95	90	88	85	83	79	81	86	75	70	66	58	48	55	54	66	69	81	86	90	92	93	94	95	78·3	10·4
16	92	94	96	92	96	94	91	93	87	87	94	96	86	77	76	85	85	83	78	74	86	88	91	89	88·0	11·2
17	94	96	98	96	93	86	85	64	56	54	58	57	54	53	46	48	62	66	67	87	91	90	87	84	74·0	9·3
18	85	84	86	79	74	76	71	73	66	54	64	57	56	58	78	98	91	94	96	95	97	95	96	97	79·3	10·3
19	97	99	98	98	99	99	96	93	89	88	82	74	77	82	81	87	88	91	94	90	93	91	92	92	90·5	12·3
20	93	93	92	94	88	89	93	89	86	83	89	73	68	82	84	89	90	88	88	88	91	94	95	96	88·0	11·6
21	96	95	95	98	96	95	89	86	88	89	89	88	85	85	76	75	83	81	84	86	87	89	90	83	88·1	11·1
22	83	83	81	81	82	79	87	83	86	83	74	72	69	63	60	57	69	78	82	82	82	84	83	81	77·7	8·5
23	87	85	86	88	87	82	67	63	65	65	63	63	64	64	64	67	63	70	74	73	81	80	84	90	73·5	7·9
24	81	82	75	78	78	72	60	52	55	50	51	57	56	40	52	63	68	60	64	86	82	75	80	80	66·5	6·7
25	80	77	79	75	76	66	67	56	60	62	55	70	62	73	84	73	71	69	73	87	88	85	84	90	73·6	6·8
26	93	88	93	93	94	94	96	99	92	96	93	86	86	83	78	80	81	83	84	89	90	90	91	89	89·3	9·5
27	90	91	88	87	88	82	73	65	68	63	62	63	56	62	61	66	70	74	76	84	87	88	87	86	75·7	9·2
28	92	93	93	92	94	93	89	90	84	73	74	79	91	84	79	79	88	87	88	87	88	89	89	88	86·7	10·1
29	84	84	81	82	83	85	77	83	80	78	73	65	79	78	73	77	86	73	82	83	87	88	88	89	80·7	9·7
30	92	92	91	91	89	88	88	77	75	63	64	58	45	53	52	55	52	58	73	85	87	88	87	86	74·6	10·5
31	90	90	94	90	91	91	83	79	80	80	75	76	64	60	63	72	71	77	84	92	92	93	92	93	82·0	10·4
Mean	87·9	87·4	87·3	86·8	86·1	85·1	81·2	76·9	75·1	73·0	69·6	67·3	66·2	66·4	66·0	69·0	72·1	74·3	78·3	84·4	86·4	86·9	87·7	87·1	78·7	†8·7
Vapour * Pressure	mb. 7·9	mb. 7·8	mb. 7·8	mb. 7·8	mb. 7·8	mb. 8·1	mb. 8·2	mb. 8·3	mb. 8·6	mb. 8·8	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·6	mb. 8·8	mb. 8·9	mb. 8·8	mb. 8·8	mb. 8·8	mb. 8·6	mb. 8·4	mb. 8·2	mb. 7·9	‡mb. 8·4	

202. Eskdalemuir: (Louvred Hut) h_t = 0·9 metres. June, 1932.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	94	91	94	90	87	91	81	76	73	73	64	62	54	52	52	60	63	68	73	78	83	95	87	85	76·3	10·9
2	83	85	85	91	93	83	64	53	51	43	43	43	31	31	35	39	43	46	51	54	63	65	89	88	60·5	9·8
3	96	93	90	90	97	93	90	88	79	74	70	69	62	57	62	68	64	70	64	72	77	84	84	85	78·3	8·1
4	84	89	88	87	75	69	61	51	48	57	49	49	53	50	52	52	60	52	63	69	83	74	75	76	65·5	6·6
5	77	80	75	94	83	75	71	65	63	60	61	46	47	42	46	44	41	49	64	71	78	73	76	82	65·0	6·8
6	84	92	87	88	81	78	63	59	57	66	62	57	58	50	56	64	63	65	66	62	68	68	70	80	68·5	7·5
7	66	73	84	80	73	74	69	55	60	62	63	59	67	65	72	64	64	65	75	80	84	91	84	84	71·3	8·2
8	84	84	80	81	80	83	83	76	75	72	71	75	75	69	67	64	58	64	64	69	78	76	76	73	74·3	9·3
9	80	73	87	83	80	75	79	70	66	77	80	81	73	72	61	73	75	79	81	87	90	89	91	89	78·5	10·4
10	89	92	93	93	91	86	79	70	67	59	60	52	58	58	50	49	47	58	53	65	74	76	82	88	70·4	10·1
11	90	86	86	87	83	81	68	61	48	51	54	53	49	39	47	53	53	54	59	61	70	77	84	83	65·8	10·3
12	86	85	84	84	82	79	70	59	42	54	53	63	63	73	74	72	76	74	70	75	78	83	86	87	72·9	10·4
13	86	87	87	88	83	78	74	79	72	70	68	61	59	57	58	58	59	61	68	74	77	82	84	84	73·2	10·5
14	84	88	88	89	81	71	70	60	64	59	57	52	54	52	55	65	63	66	69	78	72	80	79	86	70·0	11·6
15	80	81	85	79	67	66	74	58	55	44	46	46	49	48	52	48	51	54	59	67	69	73	76	85	63·0	9·7
16	88	94	93	90	81	71	67	42	29	42	46	42	44	46	49	48	50	58	63	72	78	80	80	87	64·1	10·5
17	86	84	85	85	76	76	61	49	55	54	51	47	46	39	33	39	50	57	56	71	76	92	93	89	64·5	11·7
18	89	90	93	91	83	79	73	70	62	51	60	63	58	55	57	53	61	62	69	76	78	79	78	81	71·5	9·9
19	76	81	82	83	77	70	64	58	55	54	56	53	56	53	57	54	57	58	64	73	83	84	76	77	66·8	8·3
20	72	84	84	80	76	71	59	61	54	58	56	43	46	49	54	56	59	65	71	74	75	76	77	78	65·7	8·8
21	81	81	82	83	79	73	72	67	65	66	63	56	55	50	46	49	49	53	55	66	74	84	82	84	67·2	9·7
22	91	90	90	95	98	83	75	73	60	53	48	46	47	44	45	44	67	69	69	76	85	88	89	90	71·3	10·7
23	93	95	96	98	95	89	85	84	78	70	69	66	65	67	63	62	74	68	75	68	71	67	67	71	76·9	12·1
24	69	76	82	81	85	77	77	77	82	78	81	76	80	80	80	89	88	82	81	88	90	90	82	83	81·2	12·3
25	75	73	77	71	70	72	67	65	60	59	51	55	55	55	42	49	59	66	79	91	96	92	90	91	69·0	10·8
26	88	90	93	87	89	89	88	85	88	85	81	80	75	87	76	75	76	82	82	88	89	93	93	91	85·4	13·5
27	91	90	91	91	91	89	89	85	93	90	80	80	75	86	90	85	85	86	90	92	95	96	96	97	88·7	14·1
28	95	91	89	90	94	95	96	95	89	85	84	89	90	85	81	82	83	83	78	80	84	84	87	87	87·5	11·4
29	88	89	88	92	88	75	86	83	77	73	61	67	73	78	67	68	63	70	81	85	93	91	97	93	80·1	13·1
30	98	96	94	87	84	94	97	98	94	91	90	94	91	89	80	75	74	85	85	93	92	92	94	94	90·0	15·4
Mean	84·8	86·1	87·1	86·9	83·4	79·5	75·1	69·1	65·4	64·3	62·6	60·8	60·3	59·3	58·6	60·0	62·5	65·6	69·2	75·2	80·1	82·5	83·5	84·9	72·8	† 10·4
Vapour * Pressure	mb. 9·3	mb. 9·0	mb. 8·9	mb. 8·8	mb. 9·0	mb. 9·4	mmb. 9·6	mb. 9·7	mb. 10·1	mb. 10·5	mb. 10·7	mb. 10·8	mb. 10·9	mb. 11·0	mb. 11·0	mb. 11·1	mb. 11·2	mb. 11·2	mb. 11·0	mb. 10·8	mb. 10·5	mb. 10·2	mb. 9·9	mb. 9·6	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 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, 1932.

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

204. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. August, 1932.

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	99	99	99	93	95	94	95	95	87	85	71	71	76	78	81	88	88	86	88	89	89	96	90	94	88·7	12·4
2	96	96	96	97	97	98	98	95	83	80	78	76	73	76	70	66	73	92	92	92	93	98	96	96	87·7	10·8
3	93	95	85	81	75	73	79	82	77	78	79	71	68	77	71	77	81	75	74	83	95	93	83	89	79·9	11·8
4	87	86	83	87	89	89	89	79	76	77	78	69	69	65	72	65	62	65	72	80	80	86	83	84	78·1	11·9
5	80	82	83	84	86	85	85	85	85	83	79	80	80	81	80	84	89	95	95	97	98	97	96	97	86·6	13·1
6	94	92	92	93	92	93	92	91	91	87	88	89	85	89	96	93	84	76	76	84	90	83	84	81	88·5	15·1
7	81	80	80	86	78	75	71	77	73	75	70	60	64	69	73	69	76	76	80	88	86	89	89	89	77·1	12·0
8	97	90	97	94	97	95	98	99	99	100	96	82	76	73	81	87	86	87	94	97	96	97	98	99	92·1	14·9
9	99	99	97	96	95	95	93	91	87	70	69	64	55	57	54	56	59	61	74	83	84	87	90	93	79·6	14·0
10	96	97	96	97	97	97	96	96	90	89	83	83	87	78	76	88	90	93	92	95	96	96	94	95	91·5	15·1
11	94	93	98	97	98	99	96	89	81	72	73	65	59	60	56	56	62	67	81	85	81	82	86	86	80·0	16·7
12	87	89	89	93	96	99	99	93	92	88	85	79	73	82	78	81	83	83	88	90	94	97	99	86	88·7	16·9
13	93	93	92	92	93	89	84	83	86	78	64	63	65	74	75	86	92	90	92	96	96	97	98	96	86·2	14·3
14	96	94	94	94	94	94	92	92	93	89	87	81	82	83	83	87	90	91	94	99	99	98	97	96	91·6	14·6
15	95	93	95	93	93	93	93	91	87	86	88	81	79	78	74	74	76	77	85	90	95	93	94	95	87·5	13·7
16	95	97	95	94	94	96	97	93	97	88	88	86	86	85	85	84	86	89	92	92	94	97	93	92	91·5	15·6
17	94	92	94	100	97	99	97	97	95	92	83	77	77	72	73	70	74	79	82	84	81	83	85	86	86·1	16·6
18	85	87	87	89	83	86	81	72	71	68	67	63	64	64	68	73	74	78	85	87	89	89	89	95	78·7	12·7
19	91	86	88	86	88	86	83	83	88	90	90	89	83	84	85	86	89	90	90	94	92	100	99	95	89·0	14·2
20	97	91	93	97	96	95	91	88	80	78	72	72	72	74	80	81	85	85	90	90	89	93	95	94	86·6	14·1
21	95	98	96	96	95	89	92	91	89	89	89	85	90	89	89	89	89	87	84	89	91	91	89	89	90·5	11·4
22	90	88	87	87	86	82	77	69	66	66	62	69	66	64	62	68	64	65	71	70	75	76	81	86	74·1	9·8
23	89	89	86	88	88	86	80	74	65	66	60	58	57	55	57	54	58	63	68	84	86	90	90	93	74·2	9·6
24	95	90	96	91	94	86	86	83	64	47	47	43	43	44	48	53	49	62	87	89	85	88	91	97	73·2	9·2
25	94	98	96	97	97	96	94	91	83	82	82	81	80	78	85	87	87	83	91	91	91	88	91	86	88·9	10·9
26	90	90	87	94	95	93	89	88	88	78	75	74	68	69	68	67	69	76	85	89	89	93	94	93	83·3	12·5
27	95	97	97	98	97	94	98	92	87	76	67	55	66	62	63	56	61	63	73	77	76	85	86	87	79·6	12·4
28	92	90	88	94	91	90	89	81	73	62	63	63	68	67	73	70	74	79	81	82	85	86	86	90	79·8	11·1
29	89	90	86	86	85	87	87	85	83	77	77	76	77	78	76	78	84	88	89	91	93	92	94	95	85·0	12·6
30	96	96	97	95	95	93	94	94	97	91	93	94	90	91	81	71	73	76	74	76	70	65	61	70	85·3	13·3
31	75	78	84	88	90	93	90	86	71	66	62	61	66	61	68	67	77	79	87	87	93	91	96	97	79·1	11·0
Mean	91·9	91·5	91·4	92·2	91·3	90·9	89·8	87·3	83·4	79·1	76·3	72·0	72·4	72·8	73·6	74·5	76·9	79·2	84·1	87·7	88·4	89·9	90·2	91·4	84·1	† 13·0
Vapour* Pressure	mb. 12·3	mb. 12·1	mb. 12·0	mb. 12·0	mb. 12·0	mb. 12·1	mb. 12·6	mb. 13·0	mb. 13·2	mb. 13·2	mb. 13·4	mb. 13·2	mb. 13·4	mb. 13·6	mb. 13·6	mb. 13·6	mb. 13·6	mb. 13·6	mb. 13·5	mb. 13·2	mb. 12·7	mb. 12·6	mb. 12·4	mb. 12·5	mb. 12·9‡	
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time.

205. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres. September, 1932.

Hour G. M. T.	1.	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	95	95	93	94	96	97	98	96	98	98	98	98	94	93	92	96	97	96	96	97	95	98	98	95	96·0	16·7
2	94	93	89	87	86	83	84	86	79	84	86	85	82	84	87	90	90	94	86	88	81	81	94	83	86·3	14·2
3	87	88	84	85	94	83	84	87	84	82	80	80	79	66	66	65	74	71	68	74	74	74	77	78	78·2	9·9
4	83	94	90	91	89	89	88	88	77	72	70	74	74	70	79	75	73	71	74	84	88	88	91	93	81·2	9·8
5	92	90	89	89	90	91	91	86	87	77	71	73	80	86	90	90	89	95	97	98	97	98	98	99	89·2	12·2
6	100	99	100	99	100	100	98	98	92	90	91	85	85	89	83	84	88	90	92	93	93	95	95	93	93·1	13·1
7	95	93	94	91	93	91	88	92	90	89	75	68	65	68	64	68	73	75	87	92	92	99	92	91	84·4	10·7
8	91	88	91	94	94	93	95	96	90	98	87	95	97	94	94	95	96	95	94	96	97	94	91	88	93·2	13·2
9	93	92	92	98	96	98	94	86	72	70	70	71	75	82	86	83	94	90	93	91	90	94	89	93	87·3	12·7
10	92	90	87	90	89	88	92	94	92	90	83	73	68	73	67	62	72	69	76	82	88	91	93	93	83·1	11·2
11	93	87	89	91	95	95	88	97	75	75	68	75	64	66	76	75	69	74	78	83	84	84	82	79	80·8	10·5
12	84	80	86	80	79	79	84	82	70	66	64	58	58	57	61	61	63	71	79	77	77	81	83	88	73·5	9·3
13	87	91	96	96	96	96	91	94	92	88	91	94	92	91	85	98	98	97	98	96	98	97	91	89	93·4	11·9
14	90	90	91	93	90	90	88	87	84	81	78	78	80	78	82	87	89	90	92	97	98	98	99	99	88·3	15·6
15	96	96	96	94	96	97	96	94	96	91	89	87	89	88	87	91	91	94	94	97	96	92	94	94	93·2	16·1
16	93	90	91	91	91	95	93	90	81	75	73	71	72	75	74	78	79	84	91	92	93	91	93	92	85·4	15·2
17	92	96	96	94	96	96	96	98	95	88	80	77	76	79	91	83	90	83	82	88	90	97	93	87	89·0	13·9
18	82	87	87	91	79	83	77	76	76	65	60	61	56	63	62	57	71	69	65	67	72	74	75	77	72·4	8·4
19	74	82	83	79	82	83	62	54	54	58	55	50	55	56	55	62	62	75	81	77	84	82	79	80	69·3	7·3
20	91	89	84	80	79	80	71	64	57	53	53	48	42	49	48	50	56	71	72	84	89	88	90	92	69·7	6·0
21	79	93	87	90	90	90	92	92	64	56	47	47	45	46	41	45	61	73	70	80	84	89	93	98	72·9	6·1
22	98	98	98	98	98	98	98	97	84	73	70	69	65	60	57	65	64	82	83	85	92	88	98	96	84·0	7·0
23	98	98	100	100	100	100	100	93	91	93	87	86	89	84	68	72	79	82	86	87	95	95	98	98	90·8	7·7
24	98	100	98	98	100	98	98	96	93	84	73	67	65	74	83	95	95	97	97	96	89	89	89	91	90·3	9·2
25	89	91	89	91	91	89	93	87	84	91	82	83	79	74	79	87	82	89	89	89	94	99	99	91	88·0	10·1
26	91	94	94	96	97	94	96	88	96	98	89	80	66	58	56	52	57	67	71	71	75	78	82	80	80·1	8·1
27	78	79	85	93	82	80	74	58	61	60	56	54	52	56	53	76	68	79	93	94	96	90	92	94	74·3	6·7
28	97	97	98	98	98	98	100	98	76	74	78	73	71	76	82	86	84	88	84	78	87	86	86	93	86·9	7·4
29	97	100	98	98	98	98	98	94	98	98	89	76	66	54	51	65	76	77	76	87	88	97	91	90	85·9	8·4
30	89	89	94	96	92	95	95	98	95	98	95	95	95	95	96	98	96	94	93	92	90	94	91	90	94·0	10·7
Mean	90·6	91·3	91·6	91·8	91·5	91·6	90·1	88·0	82·4	80·2	76·3	74·4	72·5	72·8	72·8	76·5	79·2	82·8	84·6	87·1	88·9	90·0	90·2	90·1	84·5	†10·7
Vapour * Pressure	mb. 9·9	mb. 9·8	mb. 9·7	mb. 9·7	mb. 9·6	mb. 9·6	mb. 9·8	mb. 10·3	mb. 10·5	mb. 10·9	mb. 10·7	mb. 10·7	mb. 10·7	mb. 10·7	mb. 10·7	mb. 10·9	mb. 10·8	mb. 10·6	mb. 10·2	mb. 10·2	mb. 10·1	mb. 10·0	mb. 9·9	mb. 9·8	mb. 10·2‡	

206. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. October, 1932.

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

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time.

207. Eskdalemuir: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0·9 metres. November, 1932.

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

208. Eskdalemuir: Louvred Hut: h_t = 0·9 metres. December, 1932.

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	90	95	91	96	90	87	94	93	83	87	72	74	70	68	76	77	79	82	85	91	88	96	96	94	85·7	6·4
2	93	93	94	94	99	97	96	98	91	85	73	77	78	76	80	84	75	77	80	82	67	62	78	97	84·4	7·5
3	97	89	83	87	94	88	93	89	91	94	94	86	87	82	80	82	87	87	91	85	82	73	81	71	86·9	6·1
4	74	69	69	75	70	69	75	75	75	56	67	62	60	70	73	71	80	79	87	90	92	87	85	90	75·0	5·6
5	92	90	93	87	88	71	85	85	82	77	71	76	74	65	67	72	78	81	84	84	87	88	86	87	81·3	5·8
6	87	92	89	89	89	88	88	89	89	93	92	82	80	75	77	75	75	76	82	85	89	89	92	89	85·3	5·4
7	89	91	89	87	91	87	87	88	92	91	93	87	83	81	77	81	82	86	88	89	89	88	87	88	87·1	5·6
8	89	90	90	91	90	93	96	95	95	93	77	77	77	73	77	82	84	86	87	85	77	77	83	88	85·5	4·8
9	92	92	95	97	98	98	98	97	94	96	96	93	93	95	90	87	91	91	91	91	94	90	87	93	93·3	6·2
10	93	96	93	93	86	79	79	84	85	85	90	84	87	85	88	91	88	87	98	94	93	94	88	88	88·8	6·6
11	95	95	88	88	88	80	85	85	85	85	78	82	82	80	75	75	81	78	79	79	80	80	82	80	82·9	6·4
12	77	82	87	91	89	82	80	84	80	80	78	81	75	83	85	94	93	89	87	89	89	87	89	93	84·9	6·2
13	94	95	95	93	89	85	84	86	87	85	89	89	89	89	89	94	96	98	94	96	96	94	96	97	91·6	6·0
14	98	100	100	100	98	100	98	100	100	100	96	90	91	94	97	97	94	97	97	96	97	97	99	97	97·2	8·5
15	91	91	91	91	93	92	95	96	96	99	96	88	83	83	81	75	83	87	81	79	78	84	88	83	87·8	8·3
16	88	88	90	98	94	96	96	98	96	98	96	96	93	93	95	96	94	92	96	98	99	98	99	100	95·0	10·3
17	96	96	98	94	96	98	98	96	97	99	99	99	97	99	99	99	98	98	98	96	96	98	95	96	97·4	11·0
18	95	96	91	94	99	99	100	98	99	100	100	99	99	99	99	98	96	96	96	95	94	96	96	96	97·1	10·9
19	95	96	95	98	96	96	92	94	98	99	96	93	88	84	89	84	83	86	87	92	91	92	92	93	92·2	10·5
20	94	93	93	96	98	94	96	96	99	96	91	96	93	96	94	94	93	94	94	99	100	99	99	99	95·5	9·5
21	99	99	96	98	94	91	91	98	93	96	93	94	91	90	91	90	90	90	89	86	87	86	86	92	92·3	8·9
22	94	90	88	93	87	88	90	88	90	88	91	80	79	84	91	95	95	87	88	86	94	96	96	94	89·7	8·2
23	93	96	96	95	96	95	93	93	93	91	91	88	88	89	86	90	90	96	90	91	91	87	84	86	91·0	9·8
24	90	87	87	82	83	82	82	90	83	97	97	97	99	99	98	100	94	96	92	98	99	96	96	92	92·2	8·6
25	90	93	93	94	94	99	97	96	91	90	90	91	89	90	87	87	93	93	91	91	87	91	94	94	91·8	9·1
26	96	97	97	97	96	96	96	96	97	97	97	97	96	94	96	96	97	96	93	94	91	93	94	96	95·6	8·9
27	94	97	96	96	97	99	100	100	99	94	96	96	98	96	94	93	91	96	96	96	96	93	88	93	95·6	9·1
28	95	96	87	89	96	82	87	89	92	87	86	90	97	91	90	94	84	88	90	95	95	97	100	96	90·9	7·8
29	94	96	93	93	98	94	96	96	94	96	92	90	89	90	90	94	89	85	83	81	86	93	96	88	91·7	9·6
30	91	94	91	91	94	94	90	88	91	95	95	93	93	95	97	96	98	96	100	98	100	99	99	99	94·7	7·3
31	99	99	100	94	94	100	98	98	89	85	81	78	80	81	75	76	87	87	98	96	94	94	97	96	90·7	6·9
Mean	92·1	92·7	91·5	92·3	92·1	90·3	91·5	92·2	91·2	91·1	88·8	87·3	86·4	86·1	86·5	87·7	88·3	88·7	90·1	90·5	90·3	90·1	91·2	91·8	90·0	† 7·8
Vapour Pressure *	mb. 7·6	mb. 7·7	mb. 7·7	mb. 7·7	mb. 7·7	mb. 7·6	mb. 7·6	mb. 7·7	mb. 7·7	mb. 7·8	mb. 7·9	mb. 7·9	mb. 7·8	mb. 7·7	mb. 7·6	mb. 7·5	mb. 7·4	mb. 7·4	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·6	mb. 7·6	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 relative humidities. † Mean of the column. ‡ Mean of the row.

For exact hours, Greenwich Mean Time.

209. Eskdalemuir: (Louvred Hut) h_t = 0·9 metres. 1932.

Hour G. M. T.	1.	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	88·8	89·0	89·3	89·6	89·2	88·2	87·1	85·0	82·5	80·0	77·1	74·7	73·1	72·7	72·9	74·8	77·2	79·6	82·5	85·1	86·6	87·5	88·1	88·5	82·9
	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.
Vapour Pressure (in Millibars)*	8·0	8·0	7·9	7·9	7·9	8·0	8·1	8·3	8·5	8·7	8·8	8·8	8·8	8·8	8·8	8·8	8·7	8·6	8·6	8·5	8·4	8·2	8·1	8·1	8·4

Computed from the mean temperature and the mean relative humidity.

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures for the mean of the day are adjusted for non-cyclic change†.

210. Eskdalemuir: (Louvred Hut) h_t **= 0·9 metres.** 1932.

	Mean	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
January	89·9	+ 0·9	+ 0·8	+ 1·7	+ 1·7	+ 2·0	+1·7	+2·0	+2·1	+1·1	+0·5	- 0·4	- 1·6	- 3·7	- 4·1	- 3·5	- 2·9	- 1·1	-0·4	+0·8	+0·9	+0·2	+0·1	+ 0·7	+ 0·6
February	81·8	+ 4·5	+ 5·4	+ 6·6	+ 6·8	+ 7·0	+5·5	+6·6	+5·8	+3·9	+0·1	- 4·1	-10·5	-13·9	-14·6	-14·6	-10·8	- 5·7	-0·7	+1·4	+3·2	+3·8	+4·9	+ 4·6	+ 4·8
March	80·1	+ 6·4	+ 6·6	+ 6·8	+ 6·6	+ 7·2	+7·3	+6·7	+5·5	+2·8	-4·4	- 8·3	-10·2	-12·5	-10·7	- 9·5	- 9·7	- 7·2	-4·5	-0·4	+2·2	+3·6	+4·5	+ 5·3	+ 5·7
April	75·2	+ 8·8	+ 8·7	+ 8·2	+ 9·9	+ 9·7	+9·5	+8·1	+2·9	-0·6	-4·0	- 6·6	-11·0	-10·9	-15·1	-15·8	-13·4	-10·4	-6·5	-0·6	+2·3	+5·2	+5·6	+ 8·0	+ 8·0
May	78·7	+ 9·3	+ 8·8	+ 8·6	+ 8·2	+ 7·4	+6·4	+2·6	-1·7	-3·6	-5·6	- 9·1	-11·4	-12·5	-12·3	-12·7	- 9·7	- 6·6	-4·5	-0·5	+5·7	+7·6	+8·2	+ 9·0	+ 8·4
June	72·8	+12·0	+13·3	+14·3	+14·2	+10·6	+6·7	+2·3	-3·7	-7·4	-8·5	-10·2	-11·9	-12·5	-13·5	-14·1	-12·8	-10·3	-7·2	-3·6	+2·4	+7·3	+9·7	+10·7	+12·1
July	84·2	+ 7·4	+ 7·5	+ 7·3	+ 8·2	+ 7·2	+5·5	+2·3	+0·8	-1·8	-4·3	- 5·6	- 7·0	- 8·7	- 9·3	- 9·5	- 8·3	- 8·3	-6·0	-2·9	+1·9	+4·5	+5·6	+ 6·2	+ 7·3
August	84·1	+ 7·7	+ 7·3	+ 7·2	+ 8·0	+ 7·6	+6·8	+5·7	+3·1	-0·8	-5·0	- 7·9	-11·3	-11·8	-11·3	-10·6	- 9·6	- 7·2	-4·9	-0·1	+3·6	+4·3	+5·8	+ 6·1	+ 7·3
September	84·5	+ 6·0	+ 6·7	+ 7·1	+ 7·3	+ 7·0	+7·0	+5·6	+3·5	-2·1	-4·3	- 8·2	-10·1	-11·9	-11·7	-11·6	- 7·9	- 5·2	-1·7	+0·2	+2·7	+4·5	+5·7	+ 5·9	+ 5·8
October	85·5	+ 4·0	+ 4·0	+ 4·4	+ 4·7	+ 4·4	+5·3	+4·9	+3·0	+0·5	-1·7	- 6·3	- 8·3	-10·6	-10·4	- 9·0	- 6·5	- 2·7	+0·8	+1·4	+1·7	+2·9	+4·5	+ 4·8	+ 4·4
November	87·2	+ 2·5	+ 2·4	+ 3·2	+ 3·0	+ 3·5	+2·3	+2·2	+2·4	+2·9	+1·8	- 1·4	- 2·8	- 5·3	- 6·0	- 5·6	- 3·6	- 1·6	-2·2	-0·8	-0·4	+0·7	+0·9	+ 0·7	+ 1·2
December	90·0	+ 2·0	+ 2·6	+ 1·5	+ 2·2	+ 2·1	+0·3	+1·4	+2·1	+1·1	+1·1	- 1·2	- 2·8	- 3·6	- 3·9	- 3·5	- 2·3	- 1·7	-1·3	+0·1	+0·4	+0·3	+0·1	+ 1·2	+ 1·8
Year	82·9	+ 5·9	+ 6·2	+ 6·4	+ 6·7	+ 6·3	+5·4	+4·2	+2·1	-0·3	-2·9	- 5·8	- 8·2	- 9·8	-10·2	- 9·9	- 8·1	- 5·7	-3·3	-0·4	+2·2	+3·7	+4·6	+ 5·3	+ 5·6

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_r = 242·0 metres + 0·4 metres. 1932.

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.
	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.
Amount	69·3	78·7	83·2	70·8	83·0	93·7	94·6	89·7	80·9	74·7	75·2	77·5	71·5	60·3	64·3	68·5	81·0	60·7	66·1	70·7	78·1	70·9	80·9	67·1	1811·4
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Duration	54·4	54·0	58·4	64·7	63·6	61·8	61·9	53·9	48·5	41·4	38·7	47·7	47·9	39·9	40·0	39·6	40·5	44·8	46·7	48·0	50·3	51·7	51·3	47·5	1197·2

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

NOTES ON RAINFALL.

212. Eskdalemuir: 1932.

Rainfall Duration. - There were 140 days on which no duration of rainfall was registered. There were 50 days on which the duration of rainfall was registered as 0·1 hour to 1·0 hour, 21 days with 1·1 to 2·0 hours, 79 days with 2·1 to 6·0 hours, 54 days with 6·1 to 12·0 hours, and 22 days with more than 12 hours. The day with the greatest duration was December 17th, when the duration was 22·8 hours, the amount falling being 65·4 mm., the greatest daily fall since records were commenced in 1911.

Notable Falls of the Year.

(a) The greatest amount in a 60-minute period was 14·1mm., which was recorded between 16h and 17h, July 24th. There were no occasions on which 5 mm. of rain fell in 6 minutes. Falls of 5 mm. in less than one hour occurred on 25 days.

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

Date	Amount.	Duration
	mm.	hrs.
January 2nd - 3rd	52	28·4
July 13th	57	7·7
October 8th	30	11·5
December 16th	60	15·5
December 16th - 17th	31	12·0
December 17th - 18th	68	33·6

From 3h. on 16th December to 13h. on 19th December 192 mm. fell.

Wet Periods.

(a) There was one "rain spell" (i.e., period of fifteen or more consecutive days on each of which 0·2 mm. or more of rain fell), viz., January 1st to 24th.

(b) There were no "wet spells" (i.e. periods of fifteen or more consecutive days on each of which 1·0 mm. or more of rain fell). The period January 1st to 21st failed to classify as a wet spell in having only 0·8 mm. on the 8th. and 0·2 mm. on the 11th.

Dry Periods.

(a) There was one period of "absolute drought" (i.e. fifteen or more consecutive days on none of which 0·2 mm. or more of rain fell) viz., June 8th to 24th.

(b) There were two periods of "partial drought" (i.e. twenty-nine or more consecutive days, the mean rainfall of which did not exceed 0·2 mm. per day), viz., January 25th to March 4th., and May 29th. to June 27th.

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, 1932.

Hour. G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	·7	2·4	2·2	1·8	2·0	1·8	1·1	1·3	·8	·5	·6	·3	·3	·4	·4	...	...	...	...	...	...	...	·1	...	16·7	13·4
2	...	...	·3	·2	·9	1·4	2·5	·1	·2	·4	·4	·2	·2	1·0	1·5	·2	...	·4	1·8	1·9	3·5	3·9	3·2	2·8	27·0	19·8
3	2·0	1·1	1·6	1·6	1·2	2·2	2·5	2·0	2·6	2·2	2·4	1·0	2·4	2·0	2·5	1·2	·7	·8	·7	1·2	·3	·3	·4	...	34·9	22·3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	3·3	2·2	...	...	...	...	5·8	2·2
5	...	·2	...	...	...	...	...	...	...	...	...	1·0	1·4	·7	2·6	3·8	4·5	1·3	·4	...	...	...	...	...	15·9	7·2
6	...	...	...	...	·6	...	...	...	·5	·4	·9	1·0	·2	...	...	...	...	...	...	·5	·1	...	...	...	4·2	4·2
7	...	...	...	...	...	...	1·9	1·7	...	·2	·6	·2	...	...	...	...	...	...	...	...	·3	...	...	...	4·9	3·0
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	0·8	0·5
9	·1	...	·6	...	...	...	·8	·4	...	...	·4	...	...	1·0	1·9	·9	1·3	1·5	2·9	1·2	2·5	5·2	2·5	2·3	25·5	13·0
10	·1	·4	·3	1·0	4·6	5·5	2·0	·6	...	...	...	1·6	·6	2·7	...	...	1·3	1·8	·1	1·0	·4	...	...	...	24·0	9·5
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	0·2	0·8
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	·5	·6	1·8	·4	3·5	3·7
13	·5	·6	1·4	1·9	2·4	4·8	3·9	·4	...	...	...	·2	·2	...	...	...	...	1·3	...	·4	1·7	·2	...	...	19·9	8·9
14	·1	...	...	...	...	...	...	...	...	...	...	...	·8	·5	·6	·2	·4	·2	·6	·1	·2	·1	·1	2·6	6·5	7·6
15	2·5	2·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·4	3·8	4·6	4·5	4·0	1·4	26·3	8·5
16	2·9	3·8	2·2	·1	·2	·7	1·2	·2	...	·1	·5	·2	·2	·1	·7	·2	·1	·1	3·4	6·0	4·6	2·4	2·4	3·2	35·5	16·3
17	1·5	2·4	4·5	3·8	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·6	4·9
18	...	...	...	·4	·3	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	·1	...	·1	1·3	2·6
19	·2	·1	·4	·5	·9	·3	·2	·3	·4	·4	·5	·9	1·3	·6	...	...	...	...	...	...	·1	...	·1	·3	7·5	14·3
20	...	·4	·6	·7	·8	·8	1·1	1·2	·5	1·0	1·5	1·2	1·2	1·9	·8	1·3	1·2	·5	·8	1·0	·4	·3	·2	...	19·4	20·7
21	·8	1·3	·7	·4	·5	·4	1·2	·4	...	...	...	...	...	...	...	...	·2	1·7	2·1	1·2	...	·2	·4	...	11·5	11·8
22	...	...	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·6
23	...	...	...	(≡:)	(·1)	(≡:)	(·1)	(≡:)	(·1)	...	...	...	...	...	(≡:)	(≡:)	...	...	...	...	...	...	...	...	0·3	-
24	...	(≡:)	(≡:)	(·1)	(≡:)	(≡:)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·4	1·5	1·1	3·8	4·2
25	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	0·4	0·9
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	0·2	0·8
Sum.	11·5	15·5	15·2	12·7	15·0	17·9	18·5	8·6	5·1	5·2	7·8	8·1	8·9	10·9	11·0	8·0	10·2	10·0	18·5	20·7	19·9	18·3	16·7	15·0	309·2	203·2
Total Duration.	hr. 8·7	hr. 8·6	hr. 10·1	hr. 9·6	hr. 10·6	hr. 8·8	hr. 10·3	hr. 9·4	hr. 5·3	hr. 6·0	hr. 8·3	hr. 8·5	hr. 8·7	hr. 7·9	hr. 7·0	hr. 6·7	hr. 6·2	hr. 9·0	hr. 8·8	hr. 9·1	hr. 10·2	hr. 8·7	hr. 8·6	hr. 8·1	hr. 203·2	

214. Eskdalemuir: H_r = 242·0 metres + 0·4 metres. February, 1932.

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

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, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	(✱°)	(✱°)	...	(✱°)	(✱°)	(✱°)	(✱°)	(✱°)	(✱°)	...	...	...	...	(✱°)	...	...
3	...	...	...	(✱°)	(✱°)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	·1	·3	·2	(...)	(...)	...	1·2	·7	·1	...	·9	...	·2	...	2·0	...	5·7	3·3
6	2·8	·4	...	...	...	·6	1·8	·2	1·7	(✱°)	2·2	·8	1·2	1·2	...	·8	2·3	...	...	(✱°)	...	...	...	...	16·0	8·1
7	...	...	...	·2	(✱°)	...	...	...	...	...	...	·4	1·1	1·3	·6	1·7	3·6	1·0	·3	...	...	...	...	...	10·2	7·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	(✱°)	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
10	...	...	...	...	(✱°)	...	...	...	...	...	...	...	...	(✱°)	·2	(✱°)	...	...	...	·1	...	...	...	...	0·3	1·2
11	...	...	...	...	...	...	...	(✱°)	·2	(✱°)	(✱°)	(✱°)	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	(✱°)	(✱°)	...	...	...	...	...	...	...	...	...	...	...	...
13	...	(...)	...	...	...	...	·1	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	(...)	·2	·4	·5	·4	(...)	1·6	3·1
20	(...)	...	·1	·3	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	·4	1·5	·7	1·1	·5	4·9	6·0
21	·4	·3	·7	1·8	·9	·2	1·2	1·8	1·1	·4	(...)	(...)	·1	(...)	...	...	...	·5	·3	...	...	...	...	...	9·7	9·9
22	·2	·9	·6	1·0	2·8	2·8	3·1	3·4	2·6	1·2	·8	·1	(...)	(...)	·1	...	...	...	...	...	...	...	...	...	19·6	11·6
23	...	...	...	...	...	(...)	(...)	(≡:)	...	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	0·1	...
24	...	...	...	...	...	...	...	...	(...)	·4	·2	·5	·5	·1	·1	(...)	·1	·3	·3	·7	·6	·4	·2	(...)	4·4	11·0
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	(...)	·4	1·0	(...)	...	...	...	...	...	...	...	...	·3	·7	...	...	...	...	...	...	...	...	·8	·9	4·1	3·6
28	·3	·6	1·1	·6	·9	·9	·7	·1	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	·4	6·0	5·9
29	·5	...	...	...	...	...	...	...	...	...	·1	...	...	·3	1·0	1·0	·3	·8	1·1	...	...	...	·2	·4	5·7	6·6
30	1·3	2·4	3·0	1·7	1·4	·5	·4	(✱°)	...	...	...	...	2·1	·6	1·7	...	·4	·5	·8	...	...	...	...	...	16·8	8·8
31	...	...	...	·4	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·0
Sum.	5·5	5·0	6·5	6·0	6·4	5·0	7·3	5·5	5·8	2·3	3·6	1·8	5·3	4·2	5·4	4·4	6·9	3·1	3·7	1·4	2·7	1·6	4·7	2·2	106·3	87·9
Total Duration.	hr. 4·2	hr. 4·1	hr. 4·9	hr. 5·2	hr. 4·5	hr. 4·8	hr. 5·1	hr. 2·9	hr. 3·5	hr. 3·1	hr. 3·3	hr. 2·4	hr. 4·1	hr. 3·5	hr. 4·5	hr. 2·7	hr. 3·7	hr. 3·4	hr. 2·8	hr. 2·7	hr. 2·9	hr. 3·0	hr. 4·0	hr. 2·6	hr. 87·9	

216. Eskdalemuir: H_r = 242·0 metres + 0·4 metres.

April, 1932.

	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.
1	...	...	...	...	...	...	...	...	...	...	·4	1·0	1·5	·6	1·1	·7	·8	1·2	·5	·2	·2	...	...	...	8·2	10·2
2	·3	·1	...	...	...	...	(✱°)	(✱°)	(✱°)	(✱°)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	(...)	...	...	0·1	0·2
4	...	...	...	...	...	...	(✱°)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	(·1)	...	...	(...)	(...)	...	...	...	0·1	...
6	·6	·7	·1	·1	(...)	1·2	1·0	·7	1·1	·7	...	...	·1	...	...	·2	(...)	(...)	·5	·1	·4	...	·2	·6	8·3	7·9
7	1·2	·6	·5	·3	·8	·4	2·2	·4	...	...	1·6	·9	·4	·5	...	...	...	...	...	...	...	...	...	·9	10·7	9·4
8	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
9	...	...	...	1·1	1·9	2·5	3·2	3·7	·9	·2	...	·2	3·0	3·2	2·8	·8	2·8	4·4	3·4	1·0	·1	...	...	1·1	36·3	14·2
10	1·5	·3	...	...	...	...	...	·8	·8	2·5	3·5	·4	·7	...	...	...	...	...	...	...	...	...	...	...	10·5	4·4
11	...	...	...	...	·1	1·7	1·1	(✱°)	...	...	(✱°)	...	...	(✱°)	(✱°)	...	·2	·1	·3	...	...	...	...	...	3·5	2·3
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	(...)	·1	(...)	...	...	...	(·1)	...	·3	·9	·8	·8	3·0	3·7
14	1·3	2·0	·7	·8	1·2	·6	...	·9	·8	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·6	5·9
15	...	...	...	...	...	...	...	(✹°)	(✹°)	2·0	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	2·2	1·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
19	...	...	...	...	...	...	...	...	(...)	·2	·1	...	...	...	...	·4	·2	·1	·2	...	...	...	2·4	·6	4·2	3·8
20	·3	...	...	...	...	...	...	...	...	·5	·3	·1	1·0	1·9	·8	·4	...	...	·1	...	...	...	...	...	5·4	3·0
21	...	...	...	...	...	...	...	...	...	...	·1	·4	2·0	1·7	(✹°)	...	...	...	...	...	...	...	...	...	4·2	2·1
22	...	...	...	...	...	...	...	...	...	...	·5	·7	...	...	(...)	·2	...	·2	·2	·1	·1	·2	2·8	4·4	9·4	3·8
23	...	...	...	...	·2	·2	...	...	(...)	·3	(...)	2·4	·9	(✹°)	...	...	...	·1	...	...	(✹°)	·7	·1	(✹°)	4·9	2·2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	(✱°)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(▲°)	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	·1	·6	·3	·5	·3	·2	·4	·4	(...)	...	...	...	...	...	(...)	(...)	...	...	(...)	...	(...)	·2	3·0	1·5	7·5	9·0
29	·5	1·0	·6	·4	2·4	1·1	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	(...)	6·0	5·2
30	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·8	2·0
Sum.	6·3	5·7	2·2	3·2	6·9	7·9	7·9	6·9	3·6	6·7	6·6	6·1	9·6	8·0	4·9	2·7	4·7	6·1	5·3	1·5	1·2	2·0	9·3	9·9	134·6	91·7
Total Duration.	hr. 5·8	hr. 6·0	hr. 4·2	hr. 4·6	hr. 5·4	hr. 6·0	hr. 4·7	hr. 4·2	hr. 2·9	hr. 4·0	hr. 2·9	hr. 2·9	hr. 4·1	hr. 4·6	hr. 2·7	hr. 2·8	hr. 2·6	hr. 3·5	hr. 3·3	hr. 2·1	hr. 1·6	hr. 2·0	hr. 3·4	hr. 5·4	hr. 91·7	
Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	

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, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...
2	(...)	(...)	(·1)	(...)	(...)	(...)	(...)	(...)	...	...	...	...	...	...	·1	·5	·4	·7	(...)	...	...	...	...	...	1·8	3·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	0·2	0·1
5	...	...	...	...	...	...	...	·1	...	...	·4	...	·6	·3	1·1	·4	·6	(✷°)	...	...	·3	·1	·4	✷	4·3	2·5
6	...	...	...	...	...	...	...	...	(✱°)	(✱°)	(·1)	(✱°)	...	...	(✱°)	(✱°)	(✱°)	(✱°)	(✱°)	(▲°)	...	...	...	...	0·1	...
7	...	...	...	...	...	...	...	...	...	(✱°)	...	...	...	...	...	...	...	(✷°)	1·2	·3	...	...	...	...	1·5	1·5
8	...	...	...	...	...	...	...	...	...	...	...	(▲°)	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·4	1·3	2·6	3·4
12	1·1	1·1	·7	·3	1·5	·8	1·0	1·0	1·2	·2	·4	·5	·6	·3	1·0	2·2	2·0	·9	1·2	2·7	3·2	2·7	·4	...	27·0	21·8
13	...	...	...	...	...	...	...	...	·7	·6	·4	·2	·2	·2	...	...	...	...	...	...	...	...	·4	...	2·7	4·3
14	·4	·2	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·3
15	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	3·3	1·0	4·3	1·9
16	1·7	2·4	1·1	1·7	2·3	·5	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·0	7·3
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·6	1·6	1·6	1·0	·4	·1	...	...	...	6·5	5·3
19	·8	·3	·6	1·9	1·4	1·1	(...)	·1	·5	...	...	...	...	·6	·6	·5	·7	·9	·9	2·5	1·2	(...)	...	...	14·6	10·9
20	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·4	...	...	...	...	...	...	...	...	0·7	0·9
21	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	(...)	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	(▲°)	...	...	...	·9	...	...	...	...	0·9	0·2
25	...	...	...	...	...	...	...	...	...	...	(▲°)	(▲°)	...	(✷°)	·8	·2	(✷°)	...	...	·1	(...)	...	...	·1	1·2	0·7
26	(...)	(...)	·7	·2	·2	·1	...	...	·2	·4	·3	·1	...	...	...	...	...	...	...	...	(...)	·2	...	...	2·4	4·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·3	·2	·6	·6	1·0	·3	·1	3·8	4·7
29	·1	(...)	(...)	(...)	·1	(...)	(...)	(...)	·2	·2	...	...	...	...	...	...	·4	...	(...)	...	...	...	...	...	1·0	1·5
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	4·1	4·0	3·2	4·1	5·5	2·5	1·2	1·3	2·8	1·4	1·6	0·8	1·4	1·5	4·0	5·8	6·4	4·4	4·5	7·7	5·5	4·8	5·2	2·5	86·2	74·8
Total Duration.	hr. 2·6	hr. 3·0	hr. 3·3	hr. 3·2	hr. 3·6	hr. 3·2	hr. 2·0	hr. 1·6	hr. 2·8	hr. 2·6	hr. 2·9	hr. 2·5	hr. 1·4	hr. 1·9	hr. 2·8	hr. 4·2	hr. 4·6	hr. 4·2	hr. 4·4	hr. 4·3	hr. 3·9	hr. 3·6	hr. 3·8	hr. 2·4	hr. 74·8	

218. Eskdalemuir: H_r = 242·0 metres + 0·4 metres. June, 1932.

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

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, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	·6	1·6	3·0	1·9	1·6	2·3	1·9	·1	·2	(...)	...	...	...	...	(...)	(...)	...	...	...	...	...	(...)	·1	(...)	13·3	8·0
2	·2	...	...	...	...	...	...	...	...	...	...	...	·2	2·0	...	...	...	...	·6	2·2	·1	...	...	...	5·3	2·5
3	...	...	...	...	...	...	...	(...)	(...)	·2	1·7	·3	·2	...	·3	...	·1	·4	·8	·4	·2	·2	1·5	·6	6·9	9·1
4	·5	·4	1·2	2·2	1·2	2·8	2·3	1·2	2·1	5·2	3·4	·6	...	...	1·0	5·6	·3	...	...	...	...	...	...	...	30·0	12·9
5	...	(...)	·1	·5	(...)	·3	...	·7	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	1·2
6	...	...	...	...	...	...	...	...	...	...	(...)	1·5	...	...	...	...	...	...	...	...	...	·1	...	...	1·6	0·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	(...)	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	(...)	(...)	(...)	(...)	...	...	(...)	(...)	(...)	(...)	...	...	...	...	(...)	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·7	0·7
12	·8	...	...	...	...	...	·7	5·3	1·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·2	3·1
13	...	...	...	...	·4	4·8	6·8	11·0	8·5	12·1	6·2	6·6	·8	...	...	...	...	...	...	...	...	...	...	...	57·0	7·7
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	·5	·6	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·4	...	...	...	·1	...	...	...	...	1·0	0·5
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	·1	·8	·4	·7	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	(...)	...	...	...	...	2·0	3·2
21	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	(...)	...	...	...	...	...	...	...	...	0·3	0·3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	(...)	...	·2	·3	0·5	0·9
24	1·0	·8	·4	·3	1·7	1·1	·7	·4	...	...	...	·6	·2	...	...	...	14·1	4·3	...	...	2·0	·4	...	...	28·0	10·4
25	...	...	3·3	(...)	·2	2·7	(...)	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	6·2	1·0
26	...	...	...	...	...	...	...	...	·9	·4	...	...	...	(...)	...	...	...	...	...	(...)	...	...	...	...	1·3	1·2
27	·1	·2	·4	·6	·1	·3	·1	...	·5	2·3	3·3	1·4	2·3	·4	...	...	...	(...)	(·6)	(·1)	1·5	2·5	·8	·3	17·8	12·3
28	·4	·7	4·0	·4	·1	·1	·2	·1	(...)	·1	·1	·4	(...)	1·0	·5	·1	...	...	...	...	...	...	...	...	8·2	9·3
29	...	...	...	...	...	...	...	...	(...)	(...)	·6	·4	·2	1·0	·7	...	·2	·6	·1	·2	(...)	...	...	(...)	4·0	4·9
30	(...)	·2	2·0	·2	·1	(...)	·4	·1	1·2	·3	·9	·6	·1	...	...	...	·4	·2	...	...	·2	·2	·2	·3	7·6	9·6
31	·6	·2	·1	·7	·2	·5	·2	...	·7	(...)	...	...	...	...	...	...	...	...	...	·1	3·0	·5	...	...	6·8	8·5
Sum.	4·2	4·1	14·6	7·6	6·5	16·2	14·0	18·9	15·5	20·6	16·2	12·6	4·1	4·4	3·0	6·1	15·1	5·5	2·1	3·1	7·0	3·9	2·8	2·5	210·6	109·7
Total Duration.	hr. 6·3	hr. 6·2	hr. 7·8	hr. 6·9	hr. 8·2	hr. 8·4	hr. 7·3	hr. 5·2	hr. 6·0	hr. 4·6	hr. 5·3	hr. 6·2	hr. 2·3	hr. 2·6	hr. 3·3	hr. 1·2	hr. 1·7	hr. 2·2	hr. 2·0	hr. 2·6	hr. 3·4	hr. 3·1	hr. 3·4	hr. 3·5	hr. 109·7	

220. Eskdalemuir: H_r = 242·0 metres + 0·4 metres. August, 1932.

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	Duration 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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·1	...	...	...	...	...	...	...	0·1	0·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	(...)	...	(...)	·1	·1	·3	·2	0·7	3·8
3	·1	...	...	...	(...)	...	...	...	...	...	...	...	...	...	(...)	·1	...	...	...	...	...	...	...	...	0·2	1·0
4	...	...	...	...	...	·2	...	...	...	...	1·3	·2	...	...	·1	...	...	...	...	...	...	...	...	...	1·8	1·4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	·3	·2	·5	·1	...	...	1·1	2·3
6	...	...	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	...	(...)	(...)	...	1·0	·4	·4	...	...	...	(...)	...	...	...	1·8	0·7
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	(...)	(...)	·2	...	...	...	...	...	(...)	...	...	·6	·3	·1	...	...	1·2	2·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·8	1·4	0·6
12	...	...	...	...	...	(...)	(...)	(...)	...	...	...	...	...	...	(...)	...	...	...	(...)	...	...	1·2	(...)	·1	1·3	1·1
13	(...)	...	(...)	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	0·4	2·7
14	...	...	...	...	·2	·4	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	1·1	2·0
15	...	...	...	(...)	(...)	(...)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	·1	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5
17	...	...	...	...	...	·8	·6	·8	·2	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	2·5
18	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	5·4	4·1	9·8	2·5
21	3·2	3·6	1·3	·5	·2	(...)	·4	1·1	·5	·3	...	...	·1	·5	·7	·3	...	...	...	...	...	·2	·2	·2	13·3	10·6
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	(...)	·3	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·8
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	(...)	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	·1	·6	1·0	·6	·2	1·2	4·4	5·3	1·3	1·4	...	...	...	...	...	...	...	...	...	16·1	7·4
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·5
Sum.	3·3	3·6	1·3	1·0	0·6	1·7	1·6	3·2	1·7	0·6	2·7	4·6	5·4	1·8	3·2	0·8	0·5	...	0·3	0·8	0·9	2·0	6·5	5·5	53·6	43·2
Total Duration	hr. 1·8	hr. 1·0	hr. 1·0	hr. 2·1	hr. 1·5	hr. 3·6	hr. 1·9	hr. 2·9	hr. 3·3·	hr. 1·2	hr. 1·1	hr. 1·2	hr. 1·3	hr. 1·6	hr. 2·0	hr. 0·6	hr. 0·5	hr. ...	hr. 0·6	hr. 0·8	hr. 2·7	hr. 3·8	hr. 2·5	hr. 4·2	hr. 43·2	
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	

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, 1932.

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

Hour. G. M. T.	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·3	2·3	1·4	·8	·8	·3	·1	·7	·3	·4	·6	·1	29·6	18·8
2	(···)	(···)	(···)	·7	1·3	(···)	1·0	·1	···	···	···	···	3·1	2·3
3	·4	···	···	···	···	···	···	···	···	···	···	···	6·2	1·9
4	(···)	···	(···)	···	·1	···	···	(···)	···	···	···	···	1·6	1·2
5	···	···	·6	·4	·1	·3	·4	·4	·4	·8	·2	·4	4·1	8·1
6	···	···	···	···	2·6	·4	3·3	·2	·4	·4	···	···	14·0	11·4
7	···	···	···	···	···	···	···	···	(···)	2·0	·3	·4	2·9	2·5
8	1·7	1·9	3·4	1·9	·3	···	···	···	···	···	···	···	20·5	8·0
9	···	···	···	(···)	(···)	···	···	···	(···)	(···)	···	···	···	···
10	(···)	···	···	···	(···)	···	···	···	·3	·8	·6	1·2	9·7	6·3
11	···	(···)	···	···	···	(···)	(···)	···	(···)	···	·1	(···)	10·7	8·7
12	···	···	(···)	···	···	···	···	···	···	···	···	···	0·1	0·3
13	···	···	···	6·3	3·2	·6	·1	·6	·8	·2	·1	···	12·3	7·4
14	···	···	···	···	···	(···)	···	···	···	···	···	···	0·2	1·0
15	···	···	···	···	···	(···	···	···	···	(···)	···	···	···	····
16	···	···	···	···	···	···	···	···	···	···	···	···	···	···
17	···	···	···	···	···	···	···	···	···	···	·1	···	0·1	0·2
18	···	···	···	···	···	···	···	···	···	···	···	···	0·3	0·8
19	···	···	···	···	···	···	···	···	···	···	···	···	···	···
20	···	···	···	···	···	···	···	···	···	···	···	···	···	···
21	···	···	···	···	···	···	···	···	···	···	···	···	···	···
22	···	···	···	···	···	···	···	···	···	···	···	···	···	···
23	·5	·1	···	···	···	···	···	···	···	···	···	···	0·7	2·0
24	···	···	·1	1·0	2·8	2·8	3·0	2·0	4·6	···	···	···	16·5	6·7
25	···	·2	···	·8	1·0	···	···	···	···	···	···	···	2·8	1·7
26	···	···	···	···	···	···	···	···	···	···	···	···	2·5	1·5
27	···	···	···	···	···	···	···	···	···	···	···	···	···	···
28	···	···	···	···	···	···	···	···	···	···	···	···	···	···
29	···	···	···	···	···	···	···	···	···	···	···	···	···	···
30	·3	·3	·4	1·9	2·5	2·6	2·1	3·6	2·4	2·4	·7	·2	19·7	10·4
Sum.	3·2	4·8	5·9	13·8	14·7	7·0	10·0	7·6	9·2	7·0	2·7	2·3	157·6	101·2
Total Duration.	hr. 2·8	hr. 3·0	hr. 2·8	hr. 5·9	hr. 6·0	hr. 4·7	hr. 5·1	hr. 5·9	hr. 4·0	hr. 6·0	hr. 5·6	hr. 3·6	hr. 101·2	

222. Eskdalemuir: H_r = 242·0 metres + 0·4 metres. October, 1932.

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

Hour. G. M. T.	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	···	···	···	···	···	···	···	···	···	···	···	···	2·5	3·0
2	···	···	···	···	···	···	···	···	···	···	···	···	6·7	4·2
3	···	···	···	···	···	···	···	···	···	···	···	···	0·2	0·6
4	···	···	···	···	···	···	···	···	···	···	···	···	···	···
5	·3	(···)	···	(···)	···	···	···	···	·2	(···)	···	·1	0·7	1·6
6	(···)	2·5	1·7	1·2	1·0	3·8	···	·2	1·6	·4	4·8	4·5	23·2	9·9
7	·1	···	(···)	·6	·8	1·5	·8	·9	1·4	1·4	2·2	1·0	19·2	12·3
8	·8	2·2	2·3	5·3	9·3	3·2	1·7	1·2	1·2	1·2	1·6	(···)	36·9	19·2
9	···	···	(···)	···	···	···	···	···	···	···	···	···	···	···
10	···	···	·2	·1	···	·1	·1	·1	···	···	···	···	4·7	4·6
11	···	···	···	···	···	···	···	···	···	···	···	···	5·3	5·2
12	···	···	(···)	·6	·4	1·6	2·3	·8	(···)	···	···	···	5·7	3·6
13	·7	···	·3	1·0	···	(···)	···	···	···	···	···	···	18·0	7·3
14	···	···	····	···	···	(···)	···	···	···	···	···	···	0·7	0·2
15	···	···	···	···	···	·1	·1	·7	·2	·2	·3	(···)	1·6	4·0
16	···	·1	·2	·3	·8	·5	·6	·2	···	···	·1	(···)	2·8	4·8
17	···	···	···	···	···	···	1·4	3·1	5·1	7·7	3·4	2·2	23·0	5·6
18	···	···	···	···	···	···	···	···	···	···	···	···	2·7	2·6
19	···	···	···	···	·1	·8	2·0	1·3	1·1	1·1	·8	·5	7·7	7·1
20	···	···	···	···	···	···	···	···	···	···	···	···	3·8	2·2
21	···	···	···	···	···	···	···	···	···	···	···	···	···	···
22	·1	(···)	···	···	···	(···)	·9	·2	···	···	···	···	30·1	13·2
23	(···)	1·4	·8	·6	·1	···	···	···	···	···	···	···	4·5	5·0
24	···	···	···	···	···	···	···	···	···	···	···	···	0·5	0·7
25	1·8	·5	1·8	(···)	···	···	···	···	···	···	···	···	7·0	6·5
26	···	·1	·2	·9	···	···	·1	1·6	·3	·1	···	···	4·3	4·7
27	···	···	···	···	···	···	(···)	·3	(···)	···	···	···	3·7	3·5
28	···	···	···	···	···	···	···	···	···	···	···	···	···	···
29	·8	(2·3)	(2·3)	(2·3)	(2·3)	(1·1)	···	···	···	···	···	···	13·3	7·3
30	···	···	···	···	···	·3	·3	·4	·1	···	···	···	2·8	3·3
31	···	···	···	···	(···)	···	···	···	···	·1	·4	·1	1·5	2·9
Sum.	4·6	9·1	9·8	12·9	14·8	13·0	10·3	11·0	11·2	12·2	13·6	8·4	233·1	145·1
Total Duration.	hr. 5·5	hr. 4·8	hr. 6·1	hr. 6·2	hr. 4·8	hr. 6·7	hr. 9·7	hr. 11·1	hr. 6·5	hr. 6·7	hr. 5·7	hr. 4·0	hr. 145·1	
Hour. G. M. T.	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	

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, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration. 0-24
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.
1	(···)	···	···	···	···	···	·1	·4	·1	·2	(···)	4·8	·9	···	(···)	(···)	···	···	···	···	···	···	···	(···)	6·5	3·3
2	·7	·7	·2	·2	···	···	···	···	·1	1·0	···	···	···	···	(···)	·1	·1	·1	(···)	···	···	·2	···	·3	3·7	4·9
3	(···)	·5	·7	2·1	·5	(···)	·1	·4	·2	(···)	·1	1·1	·4	1·8	·7	·2	·1	·9	(···)	·3	·8	·5	·1	·2	11·7	12·2
4	·1	·3	·6	1·2	1·1	1·0	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	4·3	3·7
5	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
6	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
7	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
8	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	·1	(···)	···	···	·2	···	···	···	0·3	0·6
9	···	···	···	···	···	···	···	···	···	···	(···)	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
10	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
11	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
12	···	···	···	···	···	(···)	(·1)	(···)	(·1)	(·1)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(·1)	(···)	···	···	0·4	···
13	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
14	···	···	···	···	···	···	···	···	···	···	···	···	···	···	(···)	(···)	···	···	···	···	(···)	(···)	···	···	···	···
15	···	···	·3	·2	···	···	(···)	(···)	(···)	···	···	···	(···)	(···)	···	···	·1	·3	·2	(···)	·2	·2	(···)	···	1·5	5·7
16	···	···	···	(···)	(···)	···	(···)	(···)	···	···	···	···	···	···	···	···	···	···	···	(···)	···	···	···	···	···	···
17	···	···	···	(···)	·1	·1	(···)	···	···	···	···	(···)	···	···	···	···	···	···	···	···	···	···	···	···	0·2	2·0
18	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
19	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	(···)	(···)	···	···
20	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	·6	2·4	1·6	(···)	1·2	·1	···	···	···	···	···	···	···	···	5·9	3·5
21	···	···	···	···	···	···	1·0	·9	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	1·9	0·5
22	···	···	···	·1	·2	·8	·2	·7	3·2	5·2	6·0	5·4	2·1	·1	·2	···	·4	·1	···	···	(···)	(···)	1·3	1·5	27·5	10·7
23	3·0	2·6	1·5	·4	2·3	2·5	·6	·2	·8	·1	·2	·3	·2	·6	·2	···	·1	·2	·6	1·1	·4	·2	···	···	18·1	10·9
24	·5	···	···	1·1	·4	(✱°)	···	···	·7	·5	···	1·2	·4	···	···	···	···	···	···	···	·1	···	···	···	4·9	4·4
25	···	·5	·1	·2	···	···	···	···	···	···	···	···	·1	·3	·1	·9	·3	·4	·6	(···)	·2	2·1	·4	2·4	8·6	10·0
26	1·3	2·7	3·0	·9	(···)	1·5	1·2	1·1	1·1	···	···	···	·1	·2	·4	···	···	·1	(···)	·2	1·0	1·4	·4	·6	17·2	10·9
27	·1	···	·4	·4	·2	···	·····	···	·2	1·0	·6	·1	···	···	···	···	···	···	···	···	···	···	···	···	3·0	4·7
28	···	···	···	···	···	···	···	···	···	···	···	···	···	···	·5	·9	·3	·2	·2	·6	···	···	···	···	2·7	4·1
29	···	·1	·1	·1	···	···	·1	···	···	···	···	···	···	···	···	(···)	·6	2·8	1·5	4·6	3·9	4·6	3·8	···	22·2	8·1
30	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	·2	···	···	···	···	···	···	·2	0·4	0·5
Sum.	5·7	7·4	6·9	6·9	4·8	5·9	3·4	3·7	6·5	8·1	7·5	15·3	5·8	3·0	3·3	2·2	2·3	5·1	3·1	6·8	6·9	9·2	6·0	5·2	141·0	100·7
Total Duration.	hr. 3·6	hr. 4·5	hr. 5·1	hr. 6·7	hr. 5·0	hr. 4·3	hr. 4·1	hr. 3·8	hr. 4·4	hr. 4·1	hr. 3·3	hr. 5·4	hr. 4·8	hr. 2·3	hr. 2·8	hr. 3·1	hr. 5·6	hr. 5·3	hr. 3·8	hr. 2·9	hr. 4·7	hr. 4·9	hr. 2·6	hr. 3·6	hr. 100·7	

224. Eskdalemuir: H_r = 242·0 metres + 0·4 metres. **December, 1932.**

	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.	mm.
1	·6	2·9	2·8	1·1	(···)	···	···	···	···	···	···	···	···	···	···	···	···	(✱°)	···	···	···	···	·1	·2	7·7	5·1
2	·2	1·8	1·2	2·4	2·8	3·1	5·5	6·3	4·5	·6	·2	·7	1·0	···	···	···	···	(···)	·9	1·9	···	···	···	·9	34·0	12·0
3	1·0	·2	···	···	·5	1·4	1·7	·7	·9	1·0	·1	·2	···	···	···	·1	·2	(✱°)	···	···	···	···	···	···	8·0	6·4
4	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	(✱°)	···	···	···	···	···
5	·1	·4	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	0·5	0·8
6	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	(✱°)	···	···	···	···
7	···	···	···	···	···	···	·2	·1	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	0·3	0·8
8	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
9	···	···	···	···	···	···	···	···	···	···	(✱°)	·2	·1	(✱°)	·1	···	···	(···)	···	···	···	···	···	·3	0·7	3·0
10	·2	·1	···	(···)	·1	···	···	···	···	···	···	···	(···)	···	···	·2	···	·2	···	·1	·1	···	···	···	1·0	2·7
11	·1	·2	·1	·2	·1	(···)	···	···	(···)	···	(···)	···	···	···	···	···	···	···	···	···	···	···	···	···	0·7	4·2
12	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
13	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	(✱°)	·3	·9	1·6	·8	·3	3·9	4·5
14	·1	·1	·1	·1	·2	·2	·7	·8	·1	···	···	···	···	···	···	···	···	1·0	1·2	·1	1·2	·4	·1	···	6·4	11·4
15	···	···	···	···	···	·1	1·5	3·3	4·3	3·5	2·2	·1	·1	···	···	···	···	···	···	···	···	···	···	···	15·1	6·4
16	···	···	···	1·5	1·0	1·6	·3	2·9	5·8	5·6	5·4	4·9	5·5	7·2	6·8	6·5	2·0	1·9	·8	(···)	·1	(···)	·4	·9	61·1	18·0
17	4·0	5·5	3·8	1·7	3·6	2·7	2·1	3·2	2·3	·3	(···)	·6	1·0	1·4	3·1	2·6	1·8	2·2	2·8	3·9	4·4	3·4	4·1	4·9	65·4	22·8
18	4·8	3·5	2·2	·5	1·4	·3	·5	·8	1·2	·6	2·3	2·4	4·3	1·2	1·4	·4	1·2	·4	·8	1·4	·3	(···)	·2	·3	32·4	21·8
19	2·2	4·0	4·8	4·6	4·3	3·0	3·3	1·2	·4	1·8	1·1	1·7	·8	(···)	·5	(···)	(···)	···	···	···	(···)	1·0	2·0	1·2	37·9	15·7
20	1·6	·6	·6	1·4	2·5	2·6	1·0	1·4	(···)	·2	(···)	(···)	·2	·1	(···)	(···)	(···)	·3	·8	·2	(···)	···	···	···	13·5	12·6
21	···	···	···	1·1	·6	···	···	···	···	···	·9	1·5	3·5	·5	(···)	·2	···	···	···	···	···	···	···	(···)	8·3	5·6
22	1·3	·4	(···)	·1	(···)	···	···	(···)	···	···	···	···	···	···	·3	(···)	···	···	···	·1	·3	·7	1·4	1·8	6·4	6·6
23	·8	1·2	·9	·4	·5	1·8	·5	·9	·5	·9	·1	·9	·9	·5	1·0	·6	·4	·2	···	···	···	···	···	···	13·0	15·7
24	1·0	(···)	···	···	···	···	···	···	···	···	···	·4	·8	·9	·1	·4	·2	···	···	···	···	···	···	···	3·8	4·8
25	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···	···
26	···	···	···	···	···	···	···	···	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	(···)	···	···	···	···
27	···	···	···	···	·1	·7	·4	·2	·4	···	···	·1	·2	·1	···	···	···	···	···	···	···	···	···	···	2·2	6·6
28	···	···	···	···	···	···	···	···	···	···	···	···	···	·2	···	···	·1	···	···	···	1·2	·4	·4	·8	3·1	4·6
29	·3	·2	1·8	1·0	·1	1·6	·1	·1	·5	·1	···	···	···	···	···	·8	···	···	···	···	·2	·2	·3	·1	7·4	11·0
30	···	·2	·1	···	···	···	···	···	···	···	···	···	···	·1	···	···	···	···	···	···	···	·1	···	···	0·5	0·5
31	···	···	·1	···	···	···	···	···	···	···	···	···	···	···	···	···	···	·3	·6	1·7	1·2	·6	1·4	·3	6·2	4·3
Sum.	18·3	21·3	18·5	16·1	17·8	19·1	17·8	21·9	20·9	14·6	12·3	13·7	18·4	12·2	13·3	11·8	5·9	6·5	7·9	9·7	9·9	8·4	11·2	12·0	339·5	207·9
Total Duration.	hr. 11·9	hr. 11·1	hr. 10·2	hr. 11·8	hr. 11·6	hr. 10·7	hr. 11·9	hr. 11·0	hr. 9·3	hr. 8·6	hr. 5·3	hr. 9·7	hr. 10·5	hr. 7·3	hr. 5·2	hr. 6·2	hr. 4·6	hr. 5·8	hr. 5·8	hr. 6·1	hr. 7·7	hr. 7·7	hr. 8·8	hr. 9·1	hr. 207·9	
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	

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, 1932.**

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_0 sec.Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	--	--	--	...	...	...	...	·1	...	...	...	--	--	--	--	--	0·1	1	...	...	...	...	...
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
4	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
7	--	--	--	--	--	...	·1	·5	·2	1·0	·5	·7	...	--	--	--	--	--	3·1	43	...	...	...	...	...
8	--	--	--	--	--	·5	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	6·4	88	12	18	72	4·55	Clear.
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
11	--	--	--	--	--	...	...	...	...	·8	·2	...	...	--	--	--	--	--	1·0	13	...	...	...	...	...
12	--	--	--	--	--	...	...	...	·3	·5	·2	...	...	--	--	--	--	--	1·0	13	...	...	...	...	...
13	--	--	--	--	--	...	...	...	...	·4	·8	...	...	--	--	--	--	--	1·2	16	...	...	...	...	...
14	--	--	--	--	--	...	...	·1	...	...	...	...	...	--	--	--	--	--	0·1	1	...	...	...	...	...
15	--	--	--	--	--	...	...	·2	·1	...	·2	...	...	--	--	--	--	--	0·5	7	...	...	...	...	...
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
17	--	--	--	--	--	·5	1·0	·2	·1	...	...	...	...	--	--	--	--	--	1·8	23	...	...	...	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
22	--	--	--	--	--	...	·2	·7	1·0	1·0	1·0	1·0	·3	--	--	--	--	--	5·2	65	12	22	71	3·94	Clear.
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
24	--	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	·4	--	--	--	--	--	5·6	70	...	...	...	...	...
25	--	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	--	--	--	--	7·2	89	12	18	77	3·83	Clear.
26	--	--	--	--	...	·7*	1·0*	·5*	...	...	...	...	...	...	--	--	--	--	2·2	27	...	...	...	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
30	--	--	--	--	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	7·9	94	12	19	81	3·54	Clear.
31	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
Sum.	--	--	--	--	...	3·4	5·5	6·2	5·7	7·8	7·0	5·6	2·1	...	--	--	--	--	43·3	--	...	...	...	...	...
Mean.	--	--	--	--	...	·11	·18	·20	·18	·25	·23	·18	·07	...	--	--	--	--	1·40	18	...	...	...	...	...

226. Eskdalemuir: h_s = 1·5 metres **February, 1932.**

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.	Time G.M.T.		Intensity.	p/p_0 sec.Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	--	--	...	...	...	·2	·5	...	·1	...	...	...	--	--	--	--	0·8	9	...	...	...	...	...
2	--	--	--	--	...	·8	·8	...	·3	·2	...	...	...	...	--	--	--	--	2·1	24	...	...	...	...	...
3	--	--	--	--	...	...	...	...	...	...	...	·8	...	...	--	--	--	--	0·8	9	...	...	...	...	...
4	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
5	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
7	--	--	--	--	...	...	...	...	·5	1·0	1·0	1·0	·5	...	--	--	--	--	4·0	45	...	...	...	...	...
8	--	--	--	--	...	...	...	·1	·1	·5	1·0	·8	·4	...	--	--	--	--	2·9	32	12	13	64	3·03	Fr.Cu.
9	--	--	--	--	...	·9	1·0	·6	·7	1·0	·7	·9	·9	...	--	--	--	--	6·7	74	...	...	...	...	...
10	--	--	--	--	...	·5	1·0	·9	·8	1·0	·7	·6	·1	...	--	--	--	--	5·6	61	...	...	...	...	...
11	--	--	--	--	...	...	·2	·1	·4	·5	·9	·6	·2	...	--	--	--	--	2·9	31	12	28	67	2·91	Fr.Cu.
12	--	--	--	--	...	...	·2	·7	·7	·2	·3	·2	·2	...	--	--	--	--	2·5	27	...	...	...	...	...
13	--	--	--	--	...	...	...	·6	·1	...	...	...	...	...	--	--	--	--	0·7	7	...	...	...	...	...
14	--	--	--	--	...	...	·2	·6	·9	·7	·8	·9	·8	·1	--	--	--	--	5·0	53	...	...	...	...	...
15	--	--	--	--	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	8·5	89	12	33	84	2·75	Clear.
16	--	--	--	--	·4	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·1	--	--	--	--	8·4	87	...	...	...	...	...
17	--	--	--	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	8·4	87	12	17	76	2·67	Clear.
18	--	--	--	--	...	...	...	·5	1·0	1·0	1·0	1·0	·6	...	--	--	--	--	5·1	52	...	...	...	...	...
19	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·9	·8	·6	...	--	--	--	--	7·1	72	...	...	...	...	...
20	--	--	--	--	·1	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	--	--	--	--	8·1	82	...	...	...	...	...
21	--	--	--	--	·4	·6	1·0	1·0	·9	1·0	·5	·1	...	...	--	--	--	--	5·5	55	...	...	...	...	...
22	--	--	--	--	·4	1·0	1·0	·1	...	...	...	...	...	...	--	--	--	--	2·5	25	...	...	...	...	...
23	--	--	--	...	...	...	...	·1	...	·2	·8	·4	·1	...	...	--	--	--	1·6	16	...	...	...	...	...
24	--	--	--	...	...	·7	·2	·5	...	...	...	·1	·2	...	...	--	--	--	1·7	17	...	...	...	...	...
25	--	--	--	...	...	·1	...	...	...	...	·1	...	...	...	...	--	--	--	0·2	2	...	...	...	...	...
26	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
27	--	--	--	...	...	...	...	...	·6	1·0	1·0	1·0	1·0	·8	...	--	--	--	5·4	52	...	...	...	...	...
28	--	--	--	...	...	...	...	...	·1	·8	·4	...	·1	...	...	--	--	--	1·4	13	...	...	...	...	...
29	--	--	--	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	8·5	80	...	...	...	...	...
Sum.	--	--	--	...	2·0	9·9	11·6	12·0	13·6	15·0	15·2	14·2	10·7	2·2	...	--	--	--	106·4	--	...	...	...	...	...
Mean.	--	--	--	...	·07	·34	·40	·41	·47	·52	·52	·49	·37	·08	...	--	--	--	3·67	38	...	...	...	...	...
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.	Time G.M.T.		Intensity.	p/p_0 sec.Z.	Sky.
																					Radiation by Ångström Pyrheliometer.				

*Estimated - Frost on sunshine ball.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

227. Eskdalemuir: h_s (height of recorder above ground) = 1·5 metres — March, 1932.

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	$p/p_\circ$ sec.Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	9·8	92	12	15	88	2·20	Clear
2	--	--	--	...	...	·3	...	...	...	...	...	...	...	...	...	--	--	--	0·3	3	...	...	...	...	...
3	--	--	--	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	--	6·7	62	12	28	85	2·15	Clear
4	--	--	--	...	...	...	...	·8	·9	·1	...	·1	...	...	...	--	--	--	1·9	17	...	...	...	...	...
5	--	--	--	...	...	...	·4	·1	...	...	...	·1	...	...	...	--	--	--	0·6	5	...	...	...	...	...
6	--	--	--	...	...	·6	·3	...	...	...	...	·5	...	...	...	--	--	--	1·4	13	...	...	...	...	...
7	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
8	--	--	--	...	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·5	...	--	--	--	9·4	84	12	14	93	1·99	Clear
9	--	--	--	...	·9	·5	1·0	1·0	1·0	·9	1·0	1·0	1·0	·4	...	--	--	--	8·7	77	...	...	...	...	...
10	--	--	--	...	·3	·3	·9	1·0	1·0	·9	·5	...	·3	...	...	--	--	--	5·2	46	...	...	...	...	...
11	--	--	--	...	...	·9	1·0	·8	1·0	·9	·5	·9	·7	·4	...	--	--	--	7·1	62	...	...	...	...	...
12	--	--	--	...	...	...	·4	·5	...	...	...	...	...	...	...	--	--	--	0·9	8	...	...	...	...	...
13	--	--	--	...	...	...	...	...	...	·3	...	...	·1	1·0	·1	--	--	--	1·5	13	...	...	...	...	...
14	--	--	--	...	·2	1·0	·8	·5	·9	1·0	·8	·3	·6	·7	...	--	--	--	6·8	58	...	...	...	...	...
15	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
16	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
17	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
18	--	--	--	·4	1·0	1·0	1·0	1·0	·9	...	...	...	...	...	...	--	--	--	5·3	44	...	...	...	...	...
19	--	--	...	...	...	...	·7	·1	...	·1	...	...	...	...	...	...	--	--	0·9	7	...	...	...	...	...
20	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
21	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
22	--	--	...	...	...	...	...	...	...	...	...	·5	·3	...	·2	...	--	--	1·0	8	...	...	...	...	...
23	--	--	...	...	...	...	·2	...	·5	·3	...	...	·3	·1	·1	...	--	--	1·5	12	...	...	...	...	...
24	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
25	--	--	...	...	...	...	...	1·0	1·0	·8	·6	·5	·4	...	...	...	--	--	4·3	34	12	39	39	1·66	Ci-St.
26	--	--	...	·1	...	...	...	...	·1	·9	·9	·3	·4	...	...	...	--	--	2·7	21	...	...	...	...	...
27	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
28	--	--	...	...	...	...	·3	·2	...	·1	·2	·5	·1	·1	...	...	--	--	1·5	12	...	...	...	...	...
29	--	--	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	--	--	0·1	1	...	...	...	...	...
30	--	--	...	...	...	...	·2	·1	...	·1	·3	·1	·1	...	...	...	--	--	0·9	7	...	...	...	...	...
31	--	--	...	·2	...	...	...	·2	...	...	...	...	·1	·2	·1	...	--	--	0·8	6	...	...	...	...	...
Sum.	--	--	...	0·9	4·4	6·6	9·7	10·4	10·3	9·4	7·7	7·8	7·4	4·2	0·5	...	--	--	79·3	--	...	...	...	...	...
Mean.	--	--	...	·03	·14	·21	·31	·34	·33	·30	·25	·25	·24	·14	·02	...	--	--	2·56	22	...	...	...	...	...

228. Eskdalemuir: h_s = 1·5 metres — April, 1932.

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	$p/p_\circ$ Sec.Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	--	--	0·2	2	...	...	...	...	...
2	--	--	...	...*	·8	·8	·6	·1	·6	·9	1·0	1·0	1·0	1·0	·2	...	--	--	8·0	61	...	...	...	...	...
3	--	--	...	·7	1·0	1·0	1·0	1·0	·5	...	·1	...	·3	·4	...	...	--	--	6·0	46	...	...	...	...	...
4	--	--	...	·2	·9	·8	·8	·8	·8	·5	·9	1·0	1·0	·9	·6	...	--	--	9·2	69	...	...	...	...	...
5	--	--	...	·2	·6	...	·2	...	...	...	·2	·2	·1	...	...	...	--	--	1·5	11	...	...	...	...	...
6	--	--	...	...	...	...	...	...	...	...	...	·4	·3	...	...	...	--	--	0·7	5	...	...	...	...	...
7	--	--	...	·5	·6	·5	·4	·4	·5	·5	·1	1·0	·8	·5	...	...	--	--	5·8	43	...	...	...	...	...
8	--	--	·3	1·0	1·0	1·0	·6	·8	·9	1·0	1·0	·7	1·0	1·0	·6	...	--	--	10·9	80	...	...	...	...	...
9	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
10	--	--	...	...	...	...	...	...	·3	·8	·9	1·0	1·0	1·0	·4	...	--	--	5·4	39	...	...	...	...	...
11	--	--	...*	...	...	...	...	·6	1·0	1·0	·6	·4	·8	...	...	...	--	--	4·4	32	...	...	...	...	...
12	--	--	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·9	·3	...	--	--	11·1	80	12	19	88	1·45	Clear
13	--	--	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	--	--	0·3	2	...	...	...	...	...
14	--	--	...	...	...	...	...	·3	·2	·2	...	...	·5	·2	·2	·1	--	--	1·7	12	...	...	...	...	...
15	--	--	...	·2	...	...	·1	·1	·4	·7	·3	·1	...	·3	·8	·1	--	--	3·1	22	...	...	...	...	...
16	--	...	·1	·9	·9	·4	·8	·9	·9	·5	·4	·9	1·0	1·0	1·0	...	...	--	9·7	69	...	...	...	...	...
17	--	...	...	·5	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	11·7	82	...	...	...	...	...
18	--	...	...	...	...	...	...	·3	·4	·8	·2	·3	·3	...	...	...	...	--	2·3	16	...	...	...	...	...
19	--	...	...	...	·2	·1	·2	·2	·3	·9	·1	·1	...	...	...	...	...	--	2·1	15	...	...	...	...	...
20	--	...	...	·1	·9	·9	·4	·8	·3	...	·3	...	...	...	...	...	...	--	3·7	26	...	...	...	...	...
21	--	...	...	...	·2	·2	·4	·1	...	...	...	...	...	...	·6	·3	...	--	1·8	12	...	...	...	...	...
22	--	...	·4	·8	·4	·3	·3	·2	·6	·5	·4	...	...	...	...	...	...	--	3·9	27	...	...	...	...	...
23	--	...	...	·1	1·0	1·0	·7	·6	·1	·1	·6	·9	·6	·2	·1	·2	...	--	6·2	42	...	...	...	...	...
24	--	...	·5	·2	·8	·7	·7	·2	1·0	·4	·4	·9	·1	1·0	·2	...	...	--	7·1	48	...	...	...	...	...
25	--	...	...	...	...	·2	...	·5	·7	·5	·8	·5	·4	·6	·6	·3	...	--	5·1	34	...	...	...	...	...
26	--	...*	·7*	1·0*	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·5	·8	·9	·3	...	--	12·1	81	...	...	...	...	...
27	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·3	...	...	...	--	11·2	75	11	57	94	1·31	Clear
28	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
29	--	...	...	...	...	...	·1	·4	·1	...	·6	·8	·6	·8	·6	·3	...	--	4·3	29	...	...	...	...	...
30	--	...	...	...	...	...	·2	·1	·1	·4	·1	·1	...	...	...	...	...	--	1·0	66	...	...	...	...	...
Sum.	--	0·1	3·2	8·4	13·5	11·8	11·5	12·4	13·7	13·7	13·3	14·1	12·9	11·9	8·1	1·9	...	--	150·5	--	...	...	...	...	...
Mean.	--	·00	·11	·28	·45	·39	·38	·41	·46	·46	·44	·47	·43	·40	·27	·06	...	--	5·02	36	...	...	...	...	...
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.	Time G.M.T.		Intensity.	$p/p_\circ$ Sec.Z.	Sky.

Radiation by Ångström Pyrheliometer.

* Estimated — Frost on sunshine ball.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

229. Eskdalemuir: h_s (height of recorder above ground) = 1·5 metres — May, 1932.

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_o sec.Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	...	...	...	...	·1	...	...	...	·1	·1	...	...	...	...	...	...	--	0·3	2	...	...	...	...	...
2	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
3	--	...	...	...	·7	·6	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	10·5	68	...	...	...	...	...
4	--	...	...	...	·4	·9	1·0	·9	1·0	·7	·3	...	·3	·7	1·0	·1	...	--	7·3	47	...	...	...	...	...
5	--	...	...	·3	·4	·6	·7	·6	·5	·6	·3	·4	·5	·6	·3	·1	...	--	5·9	38	...	...	...	...	...
6	--	...	...	·2	·3	·3	·3	·7	·5	·4	·1	·3	·2	·8	·3	·8	...	--	5·2	33	...	...	...	...	...
7	--	...	·7	1·0	·9	·3	·4	·6	·5	·4	·1	·9	·9	·5	...	...	...	--	7·2	46	...	...	...	...	...
8	--	...	·1	1·0	1·0	1·0	·5	·5	·2	·9	·4	·6	1·0	1·0	1·0	·8	...	--	10·0	64	...	...	...	...	...
9	--	...	...	...	...	...	...	·7	·6	·4	·3	·5	·1	1·0	·7	·4	...	--	4·7	30	...	...	...	...	...
10	--	·3	1·0	1·0	1·0	1·0	·8	·5	·6	·5	·1	·4	·9	·5	·9	·4	...	--	9·9	63	...	...	...	...	...
11	--	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	--	0·2	1	...	...	...	...	...
12	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
13	--	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	--	0·1	1	...	...	...	...	...
14	--	...	...	...	·4	·4	·2	·8	·6	·9	1·0	1·0	1·0	1·0	1·0	·6	...	--	8·9	55	...	...	...	...	...
15	...	...	...	...	...	...	...	...	·1	·3	·7	·1	...	...	...	...	...	...	1·2	7	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	0·2	1	...	...	...	...	...
17	...	...	·8	1·0	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	13·8	85	...	...	...	...	...
18	...	...	...	·6	...	·3	·3	...	...	...	...	...	...	...	...	...	...	...	1·2	7	...	...	...	...	...
19	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	0·2	1	...	...	...	...	...
20	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	0·3	2	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·1	1	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	·2	...	·3	...	...	...	...	...	0·5	3	...	...	...	...	...
23	...	...	·1	·7	·7	·1	·6	...	·2	...	...	...	...	...	...	...	...	...	2·4	14	...	...	...	...	...
24	...	...	·8	1·0	1·0	1·0	1·0	·9	·2	·5	·6	·3	·1	...	·2	·3	·1	...	8·0	48	...	...	...	...	...
25	...	...	...	·1	·1	...	·1	·1	·1	·8	·2	·5	·8	·7	·2	...	...	...	3·7	22	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	·6	1·0	·4	·8	·9	·2	·3	...	...	·4	...	·7	·2	...	...	5·5	33	...	...	...	...	...
28	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	0·2	1	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	1	...	...	...	...	...
30	...	...	...	·1	1·0	1·0	1·0	1·0	·8	·9	·6	·6	·5	·8	·5	·4	...	...	9·2	55	...	...	...	...	...
31	...	...	...	·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	·4	...	12·7	75	...	...	...	...	...
Sum.	...	0·3	3·5	7·9	10·9	10·1	10·4	11·1	9·1	11·1	8·2	8·7	10·0	10·7	9·9	6·7	0·9	...	129·5	--	...	...	...	...	...
Mean.	...	·01	·11	·25	·35	·33	·34	·35	·29	·35	·26	·28	·32	·35	·32	·22	·03	...	4·18	26	...	...	...	...	...

230. Eskdalemuir: h_s = 1·5 metres — June, 1932.

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_o sec.Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h	m	mw/cm²		
1	...	...	...	·2	·2	·5	1·0	1·0	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	10·7	63	...	...	...	...	...
2	...	·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	·6	...	...	14·4	85	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	·3	·5	·2	...	...	...	...	·2	...	1·2	6	...	...	...	...	...
4	...	·6	1·0	·6	·6	·3	·1	·3	·4	·1	·2	...	·1	·1	·6	·5	...	...	5·5	32	...	...	...	...	...
5	...	·4	·7	·3	...	...	·1	·1	·2	·2	·3	·2	·1	·7	·1	·1	·1	...	3·6	21	...	...	...	...	...
6	...	...	...	·2	...	·9	·1	...	·3	·4	·2	...	·1	·1	...	·1	...	...	2·4	14	...	...	...	...	...
7	...	...	·4	...	...	·5	·2	...	·1	...	...	...	...	...	...	...	...	...	1·2	7	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·2	...	...	0·4	2	...	...	...	...	...
9	...	...	·4	...	·1	·4	...	...	...	...	...	·4	...	...	·4	·2	...	...	1·9	11	...	...	...	...	...
10	...	...	...	...	...	·2	·8	1·0	1·0	·9	·9	·9	·8	·8	·9	1·0	·2	...	9·4	55	...	...	...	...	...
11	...	·1	1·0	·8	·4	·7	·4	...	...	·2	·4	...	·1	·5	·1	...	...	...	4·7	27	...	...	...	...	...
12	...	...	·5	·7	1·0	1·0	·9	·3	...	·6	·1	...	...	...	...	...	...	...	5·1	30	...	...	...	...	...
13	...	...	...	...	...	·5	·6	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	9·7	56	...	...	...	...	...
14	...	·1	·7	·8	·6	1·0	1·0	1·0	1·0	1·0	·9	·7	·1	1·0	1·0	1·0	·4	...	12·3	71	...	...	...	...	...
15	...	...	·4	1·0	1·0	·8	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	13·6	78	...	...	...	...	...
16	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	1·0	1·0	1·0	·8	...	15·4	89	...	...	...	...	...
17	...	·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	1·0	1·0	·9	...	15·2	88	...	...	...	...	...
18	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·9	1·0	·8	·5	...	·2	...	12·7	73	...	...	...	...	...
19	...	...	·1	·3	·5	·9	1·0	·9	·7	1·0	·4	1·0	·8	1·0	1·0	·8	...	...	10·4	60	...	...	...	...	...
20	...	...	...	·6	·8	1·0	1·0	1·0	1·0	1·0	·9	·8	·8	·7	·2	·5	...	...	10·3	59	...	...	...	...	...
21	...	...	...	...	·1	...	...	·1	1·0	1·0	1·0	1·0	·8	·8	·7	·4	...	...	6·9	40	...	...	...	...	...
22	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	...	...	...	9·2	53	...	...	...	...	...
23	...	...	...	...	...	...	·1	·3	·3	·1	·1	...	...	...	...	...	...	...	0·9	5	...	...	...	...	...
24	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	0·2	1	...	...	...	...	...
25	...	...	·1	·1	·1	·1	1·0	1·0	·5	·9	·6	·5	·9	·3	...	...	...	...	6·1	35	...	...	...	...	...
26	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...	...	...
27	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	0·3	2	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	·2	·5	·2	·1	...	·1	·4	·4	...	·1	...	...	...	2·0	12	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	·8	·8	·9	...	...	...	...	2·5	14	...	...	...	...	...
Sum.	...	3·9	10·1	10·6	10·4	14·0	14·7	13·8	14·2	15·7	14·2	14·1	12·7	13·7	11·7	10·4	4·1	...	188·3	--	...	...	...	...	...
Mean.	...	·13	·34	·35	·35	·47	·49	·46	·47	·52	·47	·47	·42	·46	·39	·35	·14	...	6·28	34	...	...	...	...	...
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.	Time G.M.T.		Intensity.	p/p_o sec.Z.	Sky.
																					Radiation by Ångström Pyrheliometer.				

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, 1932.

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_o sec.Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	...	...	...	...	...	...	·1	·2	·3	·9	·3	·4	·1	·1	·3	·1	...	...	2·8	16	...	...	...	...	...
2	...	...	·5	·9	·3	·9	·3	·3	·5	·1	·4	·9	·1	·1	...	...	...	...	5·3	31	...	...	...	...	...
3	...	...	·1	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	...	0·5	3	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	1	...	...	...	...	...
5	...	...	...	...	...	·1	·4	·4	1·0	1·0	·7	·1	·8	1·0	1·0	1·0	·3	...	7·8	45	...	...	...	...	...
6	...	...	·2	·5	·1	·1	...	...	...	...	...	·1	·3	·5	·2	...	...	...	2·0	12	...	...	...	...	...
7	...	...	·2	·5	·7	·2	·2	...	...	...	·4	·7	...	...	...	...	...	...	2·9	17	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·4	...	...	0·7	4	...	...	...	...	...
9	...	...	...	...	...	...	...	...	·1	·1	...	...	·1	·5	·1	...	...	...	0·9	5	...	...	...	...	...
10	...	...	·2	·3	·6	·6	1·0	1·0	1·0	1·0	1·0	1·0	·8	·2	...	·1	·5	...	9·3	55	...	...	...	...	...
11	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·3	2	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	0·4	2	...	...	...	...	...
14	...	...	...	...	...	·1	·1	...	·3	·3	·3	·7	1·0	1·0	1·0	1·0	...	...	5·8	34	...	...	...	...	...
15	...	...	...	·8	·9	1·0	1·0	1·0	1·0	1·0	·6	·9	1·0	1·0	1·0	·8	...	...	12·0	71	11	56	89	1·18	Clear.
16	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	0·2	1	...	...	...	...	...
17	...	·6	1·0	·8	·6	1·0	·9	·8	·8	·7	·8	·6	·6	·8	·6	·9	·4	...	11·9	71	...	...	...	...	...
18	...	...	...	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	·2	·9	·3	...	10·4	62	...	...	...	...	...
19	...	·7	·6	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	1·7	10	...	...	...	...	...
20	...	...	...	...	·9	1·0	1·0	·7	·1	·2	·1	...	·1	·2	·8	·1	...	...	5·2	31	...	...	...	...	...
21	...	...	·2	·5	·4	...	...	...	...	...	...	·1	·6	...	·1	...	...	...	1·9	11	...	...	...	...	...
22	...	...	...	...	...	...	...	·2	·1	·5	·4	·5	·4	·3	·6	·8	·2	...	4·0	24	...	...	...	...	...
23	...	...	·7	1·0	1·0	1·0	·6	·6	·6	·2	...	...	...	...	...	...	...	...	5·7	35	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	·3	·5	·7	...	...	...	...	...	...	1·5	9	...	...	...	...	...
25	...	...	...	·8	·5	·9	1·0	·6	·3	·6	·3	·9	·5	·2	...	·3	...	...	6·9	42	...	...	...	...	...
26	...	...	·5	·1	...	...	...	...	...	...	·1	·3	·1	·6	...	...	...	...	1·7	10	...	...	...	...	...
27	...	...	...	·1	...	...	·2	...	...	·2	·2	·7	...	·1	...	...	...	...	1·5	9	...	...	...	...	...
28	...	...	...	...	...	...	...	...	·1	·1	...	·1	...	·4	·9	·2	...	...	1·8	11	...	...	...	...	...
29	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
30	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
31	--	...	...	...	...	...	...	...	·4	·4	...	...	·8	·3	·2	...	...	--	2·1	13	...	...	...	...	...
Sum.	...	1·3	4·2	6·5	6·9	7·9	7·8	6·8	7·9	8·8	7·3	9·8	8·6	7·8	7·4	6·6	1·7	...	107·3	--	...	...	...	...	...
Mean.	...	·04	·14	·21	·22	·25	·25	·22	·25	·28	·24	·32	·28	·25	·24	·21	·05	...	3·46	21	...	...	...	...	...

232. Eskdalemuir: h_s = 1·5 metres — August, 1932.

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.	Time G.M.T.		Intensity.	p/p_o sec.Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	...	...	...	...	...	...	·1	...	...	...	...	...	...	·5	·2	...	--	0·8	5	...	...	...	...	...
2	--	...	...	...	...	...	...	...	...	...	...	...	·3	·6	...	...	...	--	0·9	6	...	...	...	...	...
3	--	...	...	...	·2	·1	·2	·2	·4	·3	...	·3	...	...	...	...	...	--	1·7	11	...	...	...	...	...
4	--	...	...	...	·6	·5	·2	·8	·8	·7	·7	·6	1·0	1·0	·6	·2	...	--	7·7	49	...	...	...	...	...
5	--	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	--	0·1	1	...	...	...	...	...
6	--	...	...	...	...	...	·3	·2	·1	...	...	...	...	·2	·2	·3	...	--	1·3	8	...	...	...	...	...
7	--	·1	1·0	·9	·3	...	...	·3	·6	·2	·2	·2	·9	·4	...	...	...	--	5·1	33	...	...	...	...	...
8	--	...	...	...	...	...	...	·3	...	·4	·4	...	...	...	...	...	...	--	1·1	7	...	...	...	...	...
9	--	...	...	...	·2	·5	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	--	9·8	64	...	...	...	...	...
10	--	...	...	...	...	...	...	·3	·6	...	·3	·2	...	...	...	...	...	--	1·4	9	...	...	...	...	...
11	--	...	...	...	...	·1	·6	1·0	1·0	1·0	1·0	1·0	·9	·8	·5	...	...	--	7·9	52	...	...	...	...	...
12	--	...	...	...	...	...	...	...	·3	·7	...	·3	...	...	...	...	...	--	1·3	9	...	...	...	...	...
13	--	...	·1	...	...	·1	...	·8	·4	·5	·3	...	·1	...	...	...	...	--	2·3	15	...	...	...	...	...
14	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
15	--	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	--	0·1	1	...	...	...	...	...
16	--	...	...	...	...	...	...	·2	...	...	·1	...	...	...	...	...	...	--	0·3	2	...	...	...	...	...
17	--	...	...	...	...	...	...	·8	·9	·7	·7	·2	...	...	...	...	...	--	3·3	22	...	...	...	...	...
18	--	...	...	...	...	·5	·4	·6	·7	·2	·2	...	...	...	...	...	...	--	2·6	18	...	...	...	...	...
19	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
20	--	...	...	...	...	·1	·2	·6	·2	·1	...	...	...	...	...	...	...	--	1·2	8	...	...	...	...	...
21	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
22	--	...	·1	1·0	1·0	·9	·2	·2	...	...	·1	·2	·1	...	...	...	...	--	3·8	26	...	...	...	...	...
23	--	...	...	·3	·4	·9	·5	·8	·4	·2	·2	·4	·2	·1	...	...	...	--	4·4	31	...	...	...	...	...
24	--	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	--	11·4	80	11	56	93	1·39	Clear.
25	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...	...	...
26	--	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	--	0·3	2	...	...	...	...	...
27	--	...	...	...	...	·1	1·0	1·0	1·0	1·0	·7	·8	1·0	1·0	1·0	·1	...	--	8·7	62	...	...	...	...	...
28	--	--	...	·2	·9	·9	1·0	·4	·8	·1	...	...	...	...	...	...	--	--	4·3	31	...	...	...	...	...
29	--	--	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	--	--	0·2	1	...	...	...	...	...
30	--	--	...	...	...	...	...	...	...	·1	...	·1	1·0	·7	·1	...	--	--	2·0	14	...	...	...	...	...
31	--	--	...	·4	·8	1·0	1·0	·7	...	...	·4	·2	·2	...	...	...	--	--	4·7	34	...	...	...	...	...
Sum.	--	0·1	1·2	3·3	5·6	6·7	7·2	11·3	10·2	8·2	7·3	6·7	7·8	7·0	4·8	1·3	...	--	88·7	--	...	...	...	...	...
Mean.	--	·00	·04	·11	·18	·22	·23	·36	·33	·26	·24	·22	·25	·23	·15	·04	...	...	2·86	19	...	...	...	...	...
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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_o sec.Z.	Sky.

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, 1932.

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.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_o Sec.Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
2	--	--	...	...	...	·2	·1	·1	...	...	...	...	...	...	...	...	--	--	0·4	3	...	...	...	...	...
3	--	--	...	...	·1	·1	·1	·2	·4	·5	·7	·8	·4	·6	·1	...	--	--	4·0	29	...	...	...	...	...
4	--	--	...	...	·1	·1	...	·3	...	...	...	...	...	...	...	...	--	--	0·5	4	...	...	...	...	...
5	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
6	--	--	...	...	...	...	...	...	...	...	...	·2	·3	...	...	...	--	--	0·5	4	...	...	...	...	...
7	--	--	...	...	...	...	·3	·6	·5	·7	·5	·8	·1	...	...	...	--	--	3·5	26	...	...	...	...	...
8	--	--	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	--	--	0·2	2	...	...	...	...	...
9	--	--	...	...	·6	1·0	1·0	·5	·4	·2	...	...	...	...	...	...	--	--	3·7	28	...	...	...	...	...
10	--	--	...	...	...	·1	·2	·2	·5	·6	·7	·9	·9	·6	·3	...	--	--	5·0	38	...	...	...	...	...
11	--	--	...	...	·1	·7	·9	1·0	·9	1·0	·9	·5	·5	·4	·2	...	--	--	7·1	54	...	...	...	...	...
12	--	--	...	...	·2	1·0	·8	·8	·8	·9	·9	·5	1·0	1·0	·5	...	--	--	8·4	65	...	...	...	...	...
13	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
14	--	--	...	...	...	...	...	...	·3	...	·2	·4	·3	...	...	...	--	--	1·2	9	...	...	...	...	...
15	--	--	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	0·1	1	...	...	...	...	...
16	--	--	...	...	·4	1·0	1·0	·6	...	·8	...	·1	...	·4	...	...	--	--	3·7	29	...	...	...	...	...
17	--	--	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	--	--	0·2	2	...	...	...	...	...
18	--	--	...	...	...	...	·5	·6	·5	·5	...	...	·7	·2	·1	...	--	--	3·1	25	...	...	...	...	...
19	--	--	...	·6	1·0	1·0	1·0	·5	·8	·6	·8	·7	·7	1·0	·5	...	--	--	9·2	74	...	...	...	...	...
20	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·7	·3	·2	...	--	--	9·4	76	12	1	92	1·69	Clear.
21	--	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	--	--	9·6	78	11	52	91	1·71	Haze.
22	--	--	...	...	...	·2	1·0	1·0	1·0	·8	·7	·8	...	·2	...	...	--	--	5·7	47	...	...	...	...	...
23	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...	...	...
24	--	--	--	...	...	...	...	·6	·3	·7	·1	...	...	...	...	--	--	--	1·7	14	...	...	...	...	...
25	--	--	--	...	...	...	·2	·7	·7	·7	·2	·2	...	...	...	--	--	--	2·7	23	...	...	...	...	...
26	--	--	--	...	...	...	...	...	...	...	·2	·2	1·0	1·0	·2	--	--	--	2·6	22	...	...	...	...	...
27	--	--	--	·3	1·0	1·0	1·0	·8	·9	1·0	·4	·7	·4	·5	...	--	--	--	8·0	68	...	...	...	...	...
28	--	--	--	·1	·5	1·0	·9	·4	1·0	·6	·2	...	...	...	...	--	--	--	4·7	40	12	2	69	1·85	Ci
29	--	--	--	...	...	...	...	·6	1·0	·9	·6	·5	1·0	·6	...	--	--	--	5·2	45	11	55	81	1·86	Ci
30	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
Sum.	--	--	...	1·7	6·1	9·5	11·0	11·5	12·1	12·0	9·1	9·0	9·0	7·3	2·1	...	--	--	100·4	--	...	...	...	...	...
Mean.	--	--	...	·06	·20	·32	·37	·38	·40	·40	·30	·30	·30	·24	·07	...	--	--	3·35	26	...	...	...	...	...

234. Eskdalemuir: h_s - 1·5 metres — October, 1932.

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.	Time G.M.T.		Intensity.	p/p_o Sec.Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·6	...	--	--	--	8·7	76	...	...	...	...	...
2	--	--	--	...	·6	1·0	1·0	1·0	1·0	·8	1·0	·4	·4	·9	...	--	--	--	8·1	71	...	...	...	...	...
3	--	--	--	...	...	·3	1·0	·9	·7	·3	·8	·9	1·0	·2	...	--	--	--	6·1	54	...	...	...	...	...
4	--	--	--	...	·2	·3	·8	·1	...	...	...	...	...	...	...	--	--	--	1·4	12	...	...	...	...	...
5	--	--	--	...	...	...	·5	·7	...	...	...	...	...	...	...	--	--	--	1·2	11	...	...	...	...	...
6	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
7	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
8	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
9	--	--	--	...	...	...	...	·6	1·0	·8	·6	·1	...	...	...	--	--	--	3·1	28	...	...	...	...	...
10	--	--	--	...	...	·2	...	·1	...	·2	·3	...	·1	...	...	--	--	--	0·9	8	...	...	...	...	...
11	--	--	--	...	...	·3	·9	·8	1·0	1·0	·9	·7	·8	·5	...	--	--	--	6·9	64	...	...	...	...	...
12	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
13	--	--	--	...	...	...	·3	·1	·2	·6	·9	·2	·6	·3	...	--	--	--	3·2	30	...	...	...	...	...
14	--	--	--	...	·9	·5	·7	·1	·8	·4	·6	·4	·2	...	...	--	--	--	4·6	44	...	...	...	...	...
15	--	--	--	...	·9	·9	1·0	1·0	1·0	1·0	·4	...	...	...	...	--	--	--	6·2	59	...	...	...	...	...
16	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...	...	...
17	--	--	--	...	·4	1·0	·2	...	...	...	...	...	...	...	...	--	--	--	1·6	15	...	...	...	...	...
18	--	--	--	...	·5	·9	·4	1·0	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	7·4	72	...	...	...	...	...
19	--	--	--	...	...	...	·1	...	...	...	...	...	...	...	...	--	--	--	0·1	1	...	...	...	...	...
20	--	--	--	...	...	...	...	·1	·7	·9	·9	·6	·6	...	...	--	--	--	3·8	38	...	...	...	...	...
21	--	--	--	--	...	...	·3	·2	·5	·7	...	...	...	...	--	--	--	--	1·7	17	...	...	...	...	...
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
23	--	--	--	--	...	·1	...	...	...	...	...	...	...	...	--	--	--	--	0·1	1	...	...	...	...	...
24	--	--	--	--	...	·1	·8	1·0	·7	·2	·9	·5	·9	...	--	--	--	--	5·1	52	...	...	...	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
26	--	--	--	--	...	·4	·1	...	...	·4	...	...	...	...	--	--	--	--	0·9	9	...	...	...	...	...
27	--	--	--	--	...	...	...	...	...	...	...	·8	1·0	...	--	--	--	--	1·8	19	...	...	...	...	...
28	--	--	--	--	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	--	8·2	86	12	15	73	2·67	Clear
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
30	--	--	--	--	...	...	·1	1·0	1·0	·6	...	...	...	...	--	--	--	--	2·7	29	...	...	...	...	...
31	--	--	--	--	...	...	·3	1·0	1·0	·8	·5	·6	·3	...	--	--	--	--	4·5	48	...	...	...	...	...
Sum.	--	--	--	...	3·8	8·0	10·5	11·7	12·6	11·7	10·7	8·2	8·5	2·6	...	--	--	--	88·3	--	...	...	...	...	...
Mean.	--	--	--	...	·12	·26	·34	·38	·41	·38	·35	·26	·27	·08	...	--	--	--	2·85	27	...	...	...	...	...
Hour. L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.		Intensity.	p/p_o Sec.Z.	Sky.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

235. Eskdalemuir: h_s (height of recorder above ground) = 1·5 metres **November, 1932.**

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.	Radiation by Ångström Pyrheliometer. Time. G.M.T.		Intensity.	p/p_o Sec.Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	--	--	...	...	...	...	...	·1	·9	·7	·4	...	--	--	--	--	2·1	23	...	...	...	...	...
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
3	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
4	--	--	--	--	...	...	...	·1	·1	...	·3	...	·5	...	--	--	--	--	1·0	11	...	...	...	...	...
5	--	--	--	--	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	8·2	92	12	15	81	3·07	Clear
6	--	--	--	--	...	...	·2	·9	·8	1·0	1·0	1·0	·5	...	--	--	--	--	5·4	61	...	...	...	...	...
7	--	--	--	--	...	...	...	·8	·7	·1	...	...	...	...	--	--	--	--	1·6	18	...	...	...	...	...
8	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
9	--	--	--	--	...	...	...	...	...	...	...	·5	·2	...	--	--	--	--	0·7	8	...	...	...	...	...
10	--	--	--	--	...	...	...	...	·5	1·0	1·0	1·0	·4	...	--	--	--	--	3·9	45	12	23	36	3·31	Haze
11	--	--	--	--	...	...	·2	...	...	...	·2	...	...	...	--	--	--	--	0·4	5	...	...	...	...	...
12	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
13	--	--	--	--	...	·1	·1	·4	·9	·9	·2	·1	...	...	--	--	--	--	2·7	32	...	...	...	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
15	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...	...	...
19	--	--	--	--	--	...	...	·1	·9	1·0	1·0	1·0	·1	--	--	--	--	--	4·1	51	...	...	...	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
21	--	--	--	--	--	...	·3	·8	1·0	·7	·1	·1	...	--	--	--	--	--	3·0	38	...	...	...	...	...
22	--	--	--	--	--	...	...	...	...	...	·1	·3	...	--	--	--	--	--	0·4	5	...	...	...	...	...
23	--	--	--	--	--	...	·2	·5	·6	·5	·7	·5	...	--	--	--	--	--	3·0	38	...	...	...	...	...
24	--	--	--	--	--	...	·3	·9	·4	·9	·7	...	...	--	--	--	--	--	3·2	41	...	...	...	...	...
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
26	--	--	--	--	--	...	·1	...	...	...	...	...	...	--	--	--	--	--	0·1	1	...	...	...	...	...
27	--	--	--	--	--	...	...	...	...	...	·2	...	...	--	--	--	--	--	0·2	3	...	...	...	...	...
28	--	--	--	--	--	·1	...	...	...	...	...	...	...	--	--	--	--	--	0·1	1	...	...	...	...	...
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
Sum.	--	--	--	--	0·3	1·2	2·4	5·5	6·9	7·2	7·4	6·2	3·0	...	--	--	--	--	40·1	--	...	...	...	...	...
Mean.	--	--	--	--	·01	·04	·08	·18	·23	·24	·25	·21	·10	...	--	--	--	--	1·34	16	...	...	...	...	...

236. Eskdalemuir: h_s = 1·5 metres **December and Year, 1932.**

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.	Time G.M.T.		Intensity.	p/p_o Sec.Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h.	m.	mw/cm²		
1	--	--	--	--	--	·1	·3	1·0	1·0	1·0	1·0	1·0	...	--	--	--	--	--	5·4	73	12	13	65	4·39	Clear
2	--	--	--	--	--	...	...	·4	·4	·2	·3	·1	...	--	--	--	--	--	1·4	19	...	...	...	...	...
3	--	--	--	--	--	...	...	...	...	...	·4	·6	...	--	--	--	--	--	1·0	14	...	...	...	...	...
4	--	--	--	--	--	·4	1·0	·3	·5	...	...	...	...	--	--	--	--	--	2·2	30	...	...	...	...	...
5	--	--	--	--	--	·3	1·0	·5	·6	·9	1·0	1·0	...	--	--	--	--	--	5·3	73	...	...	...	...	...
6	--	--	--	--	--	...	...	·1	·7	·7	1·0	·8	...	--	--	--	--	--	3·3	45	...	...	...	...	...
7	--	--	--	--	--	...	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	5·9	82	...	...	...	...	...
8	--	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	--	5·1	71	12	23	66	4·86	Clear
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
10	--	--	--	--	--	...	...	...	·3	·5	·4	·1	...	--	--	--	--	--	1·3	18	...	...	...	...	...
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
12	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1	...	...	...	...	...
13	--	--	--	--	--	...	·3	·4	·3	·7	·5	...	...	--	--	--	--	--	2·2	31	...	...	...	...	...
14	--	--	--	--	--	...	...	·2	·2	...	...	...	...	--	--	--	--	--	0·4	6	...	...	...	...	...
15	--	--	--	--	--	...	...	...	...	...	·1	...	...	--	--	--	--	--	0·1	1	...	...	...	...	...
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
20	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
22	--	--	--	--	--	...	...	·1	·8	·5	·1	·1	·1	--	--	--	--	--	1·6	23	...	...	...	...	...
23	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
24	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...	...	...
31	--	--	--	--	--	...	...	...	...	·3	...	...	...	--	--	--	--	--	0·3	4	...	...	...	...	...
Sum.	--	--	--	--	--	·8	3·8	5·0	6·8	6·8	6·9	5·5	...	--	--	--	--	--	35·6	--	...	...	...	...	...
Mean.	--	--	--	--	--	·03	·12	·16	·22	·22	·22	·18	...	--	--	--	--	--	1·15	16	...	...	...	...	...
Annual Total	...	5·7	22·2	39·3	63·9	89·9	106·1	117·7	123·1	127·4	114·3	109·9	92·7	67·4	44·5	26·9	6·7	...	1157·7	--	...	...	...	...	...
Annual Mean.	...	·02	·06	·11	·17	·25	·29	·32	·34	·35	·31	·30	·25	·18	·12	·07	·02	...	3·16	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.	Time G.M.T.		Intensity.	p/p_o Sec.Z.	Sky.
																					Radiation by Ångström Pyrheliometer.				

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 anemograph above M.S.L.) – Height of ground above

Hour G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day.	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	190	4·4	190	5·0	200	5·5	190	6·5	200	8·7	200	6·5	210	8·6	220	10·0	220	11·1	230	10·3	240	14·3	250	15·0
2	230	7·5	190	4·5	220	*	210	*	220	*	230	*	230	*	240	11·0	230	10·5	230	10·7	230	12·1	240	12·4
3	230	9·6	230	10·6	230	11·5	230	11·4	230	11·2	220	9·6	220	9·2	220	9·8	220	9·3	220	8·8	230	9·6	230	10·4
4	250	17·0	240	17·5	250	16·2	240	17·4	240	17·8	240	18·4	230	16·0	230	14·6	230	15·2	210	12·5	210	12·5	210	10·9
5	220	10·0	220	10·8	220	10·6	220	12·8	230	14·0	230	15·0	230	14·2	230	16·1	220	14·7	220	14·5	210	16·6	210	16·5
6	230	7·8	240	11·6	230	9·5	230	9·7	230	11·2	230	11·7	230	10·0	220	8·5	210	7·5	210	8·5	230	6·1	240	4·8
7	290	10·5	290	11·4	300	10·3	300	9·5	270	6·2	240	6·5	240	7·4	230	6·5	240	5·8	250	6·3	240	5·9	200	3·2
8	250	3·5	250	1·8	160	1·2	...	...	320	4·0	350	3·9	350	3·4	10	3·5	350	3·0	...	...	...	...	...	...
9	...	...	...	...	...	...	200	3·5	200	3·8	200	4·7	190	5·4	170	7·6	180	5·6	160	6·5	180	8·6	170	7·7
10	190	10·8	190	10·6	190	10·0	180	9·2	180	7·6	190	10·5	200	5·3	190	7·6	190	10·4	180	10·1	180	10·0	180	10·8
11	210	4·0	190	2·8	200	4·0	230	4·1	220	4·5	210	4·3	200	3·1	...	...	...	...	...	...	...	...	...	...
12	220	1·4	210	1·6	260	1·6	...	...	...	...	...	...	...	...	...	...	...	...	170	2·4	170	3·9	170	4·4
13	180	9·0	190	8·0	180	10·5	180	11·6	170	9·1	170	9·1	200	15·5	210	12·0	200	10·3	200	15·5	200	18·0	210	20·0
14	220	12·2	220	8·6	220	7·6	220	5·1	200	3·0	210	7·0	200	7·5	200	7·9	190	9·5	190	12·2	190	14·3	190	14·6
15	190	16·9	200	13·9	270	9·2	230	8·9	220	9·8	230	9·8	210	8·0	230	9·5	220	9·2	220	9·7	220	10·0	220	9·9
16	200	18·2	200	17·7	210	16·9	210	16·1	200	15·0	200	16·4	200	18·0	200	17·4	200	18·5	200	19·3	200	19·6	200	19·8
17	...	...	...	...	360	2·0	340	5·0	360	1·6	330	1·6	280	4·6	280	5·1	250	4·2	220	2·4	210	6·0	200	5·9
18	210	18·0	200	20·3	200	19·8	200	19·6	200	18·9	210	18·6	210	18·5	210	16·0	210	16·1	210	14·0	210	12·3	210	10·9
19	200	11·9	200	13·5	190	12·0	200	12·5	190	11·4	190	11·9	190	12·9	190	11·1	200	12·0	200	13·4	200	12·2	190	13·0
20	200	9·0	200	7·5	200	7·7	200	8·2	200	8·5	200	9·0	200	9·2	200	8·6	200	7·9	200	8·3	200	8·6	200	8·6
21	200	10·8	200	10·0	200	10·0	200	10·5	200	10·0	200	9·9	200	10·0	200	10·6	190	9·6	190	9·5	190	9·8	190	9·3
22	210	8·0	220	6·5	220	5·1	230	3·5	240	2·1	280	0·9	...	...	280	1·0	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	190	2·4	200	5·0	200	3·5	170	2·9	160	2·8	...	...	200	3·6
24	210	3·1	220	3·5	210	4·4	210	5·0	210	5·6	200	4·6	200	4·4	190	3·3	190	2·5	190	4·0	200	5·0	190	6·2
25	310	5·4	300	2·4	260	1·5	300	1·5	280	2·9	340	1·4	320	3·5	300	3·6	300	5·5	350	3·0	...	...	150	2·1
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	250	4·5	240	6·1
27	170	2·4	170	2·8	170	3·1	200	4·3	200	2·6	210	4·5	220	5·0	220	5·4	220	5·0	230	5·8	230	6·0	230	6·8
28	240	6·0	240	7·5	240	5·9	240	5·4	230	5·4	230	6·0	230	5·7	240	5·5	230	5·9	220	6·5	210	5·9	220	7·1
29	230	9·0	220	10·0	220	9·4	220	9·6	220	12·6	220	13·1	230	14·5	220	13·6	220	10·6	220	10·0	230	8·5	220	7·2
30	280	3·1	300	2·6	330	2·5	20	0·6	...	...	...	...	...	...	...	...	190	1·1	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	170	2·5
† Mean	---	7·5	---	7·4	---	7·0	---	7·1	---	7·0	---	7·3	---	7·6	---	7·4	---	7·2	---	7·3	---	7·7	---	8·0

238. Eskdalemuir: H_a – 235 metres + 15 metres.

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

* Velocity record defective. † Mean for 30 days only, 2nd omitted.

Averages for periods of sixty minutes, centred at the Half hours. Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

January, 1932.

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

February, 1932.

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

Direction expressed in degrees from North (E=90°, S=180°, W=270° N=260°). Speed in metres per second.

239. Eskdalemuir: H_a (height of anemograph 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	
	°	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	7·0	40	6·5	50	9·5	10	3·5	70	6·6	60	6·0	60	5·5	40	4·9	20	6·7	20	5·5	60	7·6	60	8·3
2	60	8·1	70	2·5	10	4·0	30	6·5	30	8·1	20	6·8	20	6·4	30	6·8	30	8·2	40	8·0	50	8·0	40	6·8
3	40	1·1	...	...	10	1·1	360	1·6	360	2·5	360	2·8	360	2·6	360	2·2	360	3·3	360	3·5	10	3·0	40	2·8
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	140	1·6	190	4·2
5	220	7·7	210	7·8	200	7·3	210	8·5	210	8·9	220	9·0	220	8·3	220	9·0	220	10·2	230	10·5	250	14·9	240	14·3
6	240	7·4	260	6·0	260	6·0	260	5·8	240	5·5	220	3·6	230	5·0	230	6·6	240	7·4	250	9·2	250	6·5	260	7·7
7	260	4·7	290	8·4	300	9·6	290	13·1	300	11·6	300	11·8	300	10·2	270	5·6	170	5·5	170	4·4	180	4·1	190	4·6
8	20	3·8	350	4·3	60	3·6	340	7·0	100	2·1	270	1·2	130	1·2	250	1·4	210	2·4	190	2·2	240	1·6	330	2·0
9	350	5·0	360	4·3	10	4·8	10	5·0	10	5·3	10	3·5	10	3·3	20	4·2	10	3·4	20	5·2	20	6·6	20	5·6
10	...	...	340	2·7	330	4·6	350	3·8	350	4·8	330	5·0	30	2·1	20	2·0	360	4·1	350	4·6	350	5·3	350	6·5
11	350	6·6	360	7·7	360	7·5	360	6·7	360	8·2	10	6·0	20	7·2	20	7·2	20	7·5	30	7·3	40	10·4	50	9·5
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	230	3·1	190	2·9	210	5·8	240	6·5	240	6·7
13	250	5·0	250	3·2	250	2·1	260	3·3	250	3·5	240	4·2	220	2·0	230	2·1	230	3·6	260	3·2	270	3·5	280	3·8
14	270	3·2	270	3·0	280	2·6	80	2·8	...	...	...	...	...	...	...	...	...	...	70	0.5	50	3·0	30	2·5
15	360	1·0	20	0·7	20	1·3	10	1·9	...	...	...	...	...	...	...	...	...	...	...	...	120	1·5	130	1·3
16	...	...	...	...	...	...	...	...	350	1·7	...	...	...	...	...	...	...	...	...	...	...	...	60	3·0
17	...	...	...	...	10	1·5	350	2·1	360	2·0	360	2·6	360	2·5	360	1·9	10	1·5	20	3·0	20	3·6	20	4·0
18	...	...	340	2·0	340	1·0	...	...	...	...	...	...	...	...	...	...	...	...	150	2·0	240	4·0	240	4·3
19	310	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	250	2·3	290	3·3	300	4·4
20	...	...	290	2·8	280	3·5	300	4·5	130	2·4	250	2·3	180	2·5	270	2·9	340	1·4	240	2·0	210	2·9	230	5·2
21	190	3·6	210	5·0	210	5·6	200	5·8	200	6·4	200	6·8	200	6·9	200	6·5	200	6·8	210	6·0	210	7·9	210	6·6
22	180	1·9	180	2·1	180	2·0	180	2·5	170	2·8	170	2·8	180	2·5	210	2·4	170	2·1	170	2·8	...	...	...	...
23	340	1·0	330	2·1	290	2·0	...	...	210	1·0	150	1·8	...	...	...	...	...	...	160	2·5	190	3·0	170	4·0
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	160	1·8	150	4·6	150	5·3	160	5·5	160	5·5
25	200	2·2	190	3·7	200	4·0	210	2·9	200	3·0	200	3·0	190	2·6	180	2·0	160	3·2	150	4·5	150	5·6	150	7·9
26	350	0·7	50	1·1	10	2·1	20	2·6	350	1·5	360	1·5	30	2·3	60	2·3	130	5·2	130	8·1	130	10·0	130	11·8
27	130	2·5	150	1·8	150	2·6	150	3·7	150	4·3	150	5·5	150	5·4	150	6·3	160	7·1	160	8·5	160	7·6	150	7·9
28	70	3·0	70	2·8	280	6·0	280	7·6	280	4·5	290	5·3	270	3·6	240	4·1	240	5·2	240	5·8	230	7·1	230	5·2
29	210	5·4	220	5·5	210	4·5	210	3·7	220	4·1	200	5·1	200	5·4	200	6·1	200	6·5	190	7·1	200	7·9	200	8·6
30	160	3·2	150	2·5	60	1·5	360	3·2	350	2·7	...	...	270	3·2	270	2·2	260	1·8	240	1·8	200	3·7	210	5·0
31	230	6·2	220	6·2	220	7·2	230	5·5	260	3·4	300	3·7	350	5·1	350	10·2	350	11·8	350	11·1	360	8·7	360	7·1
Mean	---	3·1	---	3·2	---	3·5	---	3·8	---	3·6	---	3·4	---	3·2	---	3·5	---	4·1	---	4·7	---	5·4	---	5·7

240. Eskdalemuir: H_a = 235 metres + 15 metres.

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

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

March, 1932.

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

April, 1932.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
210	9·4	210	10·7	200	11·1	200	10·2	190	9·1	190	7·9	180	6·0	160	2·6	160	3·5	...	...	...	...	10	1·4	4·9	1
340	4·7	350	4·1	350	4·2	320	2·3	300	1·9	280	1·5	330	1·5	320	1·6	...	...	20	1·3	340	1·9	...	...	3·6	2
50	2·4	70	2·5	60	2·4	50	4·1	60	6·1	60	7·4	30	6·4	20	5·9	20	6·6	30	8·5	30	8·6	20	8·5	3·3	3
30	8·9	30	8·7	30	8·5	30	8·6	30	7·7	40	6·2	20	3·5	360	3·2	360	2·0	360	1·2	100	1·0	...	...	6·1	4
290	6·9	300	6·9	290	7·4	290	7·0	280	5·0	270	5·2	270	4·4	250	4·3	260	5·4	270	7·5	260	7·7	250	7·4	4·5	5
270	11·2	260	13·5	260	13·2	260	12·5	270	12·0	270	9·5	270	8·7	270	9·1	260	11·1	250	10·4	250	10·3	250	10·6	11·0	6
280	8·0	290	9·0	290	9·1	290	13·3	290	10·6	300	11·4	300	13·3	300	14·5	300	14·9	300	14·2	310	12·4	320	11·0	10·6	7
330	7·1	330	7·7	330	6·3	330	6·1	310	6·5	300	7·3	300	6·8	210	1·8	300	5·2	220	1·4	190	1·5	170	1·2	6·5	8
210	13·0	200	10·6	190	9·9	200	9·9	190	9·5	210	12·4	210	12·6	210	11·5	210	13·2	230	10·2	210	11·2	210	14·5	9·4	9
250	13·1	280	13·0	290	13·6	290	14·5	290	13·2	290	12·7	290	14·7	280	11·0	280	10·0	270	8·0	270	10·0	270	10·5	12·5	10
300	10·2	310	9·1	300	9·9	360	6·5	360	6·1	320	5·4	320	5·5	340	8·8	340	6·4	330	4·0	280	2·0	340	3·6	7·8	11
320	9·0	320	7·1	310	7·0	330	6·5	320	6·3	340	4·6	340	2·5	350	2·8	330	2·5	...	...	...	...	...	...	6·9	12
290	9·2	200	10·0	200	10·8	200	10·3	200	11·2	200	11·9	190	13·1	190	13·5	190	12·5	180	12·3	180	12·1	180	12·0	7·0	13
220	7·2	200	6·3	210	6·7	200	7·0	210	6·5	230	3·0	210	3·0	190	1·7	...	...	...	...	360	1·6	...	...	5·2	14
80	9·5	80	9·3	80	8·0	80	9·1	80	7·7	80	8·1	70	6·0	50	3·5	30	5·5	10	5·8	20	5·0	30	7·1	6·3	15
30	11·3	30	10·8	30	10·4	40	10·0	40	9·6	40	9·6	30	8·0	20	8·0	20	8·5	20	8·3	20	8·6	20	3·4	8·8	16
50	9·6	50	9·1	50	7·9	60	8·0	40	6·6	40	6·5	30	4·4	10	2·0	260	3·2	10	3·2	10	3·3	360	4·0	7·3	17
340	3·8	360	4·2	360	3·3	360	3·3	360	2·2	360	1·5	...	...	...	...	...	...	...	...	...	...	...	...	2·4	18
250	8·0	240	8·6	240	8·5	220	10·1	220	8·1	210	8·5	190	5·4	190	6·4	190	7·5	200	7·8	240	7·3	250	6·0	6·0	19
260	5·6	220	4·7	230	5·1	250	5·7	180	3·5	190	4·0	190	3·0	190	1·5	...	...	...	...	...	...	...	...	4·4	20
330	2·8	...	...	...	...	30	2·3	360	2·3	350	1·9	...	...	...	...	...	...	...	...	...	...	...	...	1·2	21
260	5·7	250	8·0	250	8·0	240	7·8	230	8·0	220	8·6	190	7·0	180	6·0	190	7·7	190	8·5	200	10·6	240	10·0	5·0	22
300	9·6	320	5·3	290	9·0	300	9·0	300	9·8	300	13·6	300	14·1	310	13·9	310	13·4	320	12·7	320	8·6	340	4·2	9·5	23
300	3·6	300	4·0	290	4·3	280	5·0	290	8·5	280	5·9	270	4·9	260	4·2	260	3·5	260	3·7	260	3·4	260	3·9	4·8	24
300	1·4	140	1·6	300	3·5	300	3·5	310	3·6	330	4·5	320	4·5	310	4·5	300	4·5	300	3·6	310	2·6	310	1·4	3·3	25
310	4·8	310	4·3	300	5·0	310	6·0	310	6·8	310	6·3	300	6·0	290	6·1	290	2·3	300	2·5	110	1·3	...	...	3·6	26
200	4·8	170	4·6	170	5·9	170	4·5	160	3·5	160	4·5	120	7·0	130	5·7	140	6·8	150	5·9	140	5·5	130	6·5	3·5	27
120	6·0	130	6·3	120	6·7	120	5·7	110	5·5	100	5·5	80	4·7	70	4·5	60	5·1	70	4·6	70	5·5	70	4·8	5·8	28
160	4·6	160	4·6	180	4·0	170	3·6	140	3·5	130	4·1	110	3·8	70	4·3	90	3·7	90	3·5	70	3·7	70	4·8	2·9	29
70	7·0	80	6·1	100	6·2	70	6·3	70	6·0	80	7·5	60	6·5	60	3·6	50	4·1	30	5·7	40	5·6	40	5·3	5·5	30
---	7·3	---	7·0	---	7·2	---	7·3	---	6·9	---	6·9	---	6·3	---	5·6	...	5·7	---	5·3	---	5·1	---	5·0	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.
H_a (height of anemograph above M.S.L.) — Height of ground above

241. Eskdalemuir:

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

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

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) — 235 metres + 15 metres.

May, 1932.

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.	
50	7·8	50	8·0	60	7·6	50	7·2	50	8·0	50	5·5	40	6·9	30	4·6	30	4·9	20	5·2	20	5·0	30	5·5	6·3	1
40	9·9	40	9·6	40	10·1	40	10·3	40	10·2	30	12·6	40	11·5	40	10·8	40	9·8	40	8·3	40	9·6	40	9·5	9·4	2
30	11·6	40	11·1	40	12·0	40	12·1	50	11·5	50	10·3	40	10·6	40	8·9	40	8·0	40	9·5	30	7·0	30	5·9	10·0	3
40	8·6	30	7·3	30	7·8	30	8·3	30	9·5	30	8·0	30	7·6	30	6·4	20	4·1	20	6·6	20	8·4	20	8·3	7·7	4
30	7·8	30	8·5	30	9·0	20	9·0	20	7·6	20	7·1	10	6·5	10	5·8	10	5·6	10	7·4	10	5·6	10	7·4	7·6	5
20	8·5	20	7·5	30	6·3	30	7·3	30	6·4	40	5·5	10	3·3	360	2·3	360	2·2	20	1·7	10	2·6	360	1·8	6·0	6
30	5·4	10	5·3	10	5·8	360	5·8	50	7·5	50	2·7	360	4·4	...	...	360	1·5	...	...	...	...	...	...	3·8	7
230	3·1	250	7·5	240	5·1	220	6·0	240	3·6	240	3·3	240	2·9	220	2·6	90	1·0	350	1·5	340	1·6	340	1·5	2·1	8
70	3·4	260	2·3	340	3·1	330	4·1	290	3·8	160	5·4	210	5·0	300	6·2	310	2·5	60	1·7	50	1·9	340	2·1	2·9	9
280	5·0	310	4·4	330	4·2	280	5·5	280	6·1	270	6·5	270	5·4	270	3·5	280	2·2	...	...	...	...	...	...	3·6	10
160	3·0	170	3·5	160	2·1	160	2·8	180	2·7	140	4·3	140	3·4	140	1·8	...	...	80	1·3	120	1·2	...	...	1·8	11
200	7·3	200	7·4	200	6·8	190	6·9	200	7·0	200	6·8	200	5·4	210	6·8	210	6·5	210	8·1	230	8·3	240	6·0	5·5	12
210	6·4	220	5·0	200	5·6	200	7·4	210	8·0	210	8·4	200	6·6	200	6·1	200	7·1	210	6·8	210	7·0	210	7·5	6·1	13
210	9·0	210	9·3	210	9·8	210	9·0	210	9·2	210	7·1	220	5·2	230	3·3	220	1·9	...	...	360	1·1	340	1·3	6·6	14
110	6·5	100	6·0	110	6·2	120	6·9	110	4·6	60	4·6	70	4·3	50	4·3	40	4·1	10	4·0	350	3·2	360	3·2	4·0	15
230	4·2	260	4·5	250	5·3	280	4·5	280	3·6	270	3·7	270	2·6	280	1·8	270	2·6	220	0·9	...	...	250	0·9	2·8	16
230	6·6	230	7·5	230	7·8	250	5·9	220	5·3	220	5·6	230	4·8	200	3·5	220	2·4	...	...	...	...	...	...	2·9	17
160	7·8	170	7·5	170	6·2	170	4·9	160	5·1	170	5·5	170	5·5	180	7·4	210	8·5	220	7·5	210	6·6	210	8·0	5·0	18
210	7·0	200	7·0	190	4·8	190	6·0	180	6·8	160	6·0	160	5·1	170	5·7	200	13·0	200	12·0	200	13·6	200	12·7	7·7	19
230	8·1	220	6·3	230	4·9	210	2·0	100	0·8	360	1·5	...	...	...	...	210	5·6	210	6·3	190	4·7	200	4·8	7·3	20
40	6·7	50	6·7	40	8·0	40	6·6	40	6·5	30	6·6	30	7·7	30	6·0	30	6·1	20	8·0	20	8·2	30	8·4	4·9	21
310	2·8	340	3·1	320	3·6	330	3·5	350	3·5	80	4·0	60	4·6	50	3·6	40	3·2	40	2·5	20	2·0	10	2·0	4·1	22
30	1·4	70	2·6	110	2·2	130	2·5	100	2·1	120	3·0	130	4·0	120	3·0	...	...	...	...	...	...	350	1·6	2·0	23
350	5·9	10	4·9	20	7·3	30	7·7	20	5·6	10	4·3	40	6·0	30	6·0	360	3·2	360	3·6	10	2·7	260	2·4	4·9	24
360	7·4	360	8·0	20	6·5	360	7·1	20	7·0	20	6·8	20	6·5	20	5·1	30	4·6	20	4·5	20	4·1	20	3·2	5·9	25
50	9·7	50	8·3	40	7·8	40	8·0	40	6·5	40	6·8	40	5·6	30	5·0	30	4·6	30	4·6	30	3·9	20	3·7	6·0	26
30	7·0	40	6·2	30	5·5	50	6·1	40	6·6	40	7·0	20	6·1	20	5·7	30	5·0	30	4·2	20	4·2	20	4·9	5·3	27
40	6·5	40	6·8	50	8·6	50	6·5	30	5·9	20	5·2	20	5·4	30	6·3	30	6·4	30	4·5	20	4·0	20	3·7	6·7	28
210	5·7	200	5·6	200	4·0	170	1·5	110	1·3	100	1·9	110	5·2	100	3·6	90	5·0	80	5·5	60	4·1	60	4·8	3·6	29
120	5·5	100	6·0	100	6·2	110	6·0	120	6·0	110	5·4	100	3·7	50	3·5	60	2·4	20	1·6	10	2·8	10	2·5	4·8	30
70	6·5	60	5·5	70	6·0	60	7·8	60	7·2	60	7·2	40	4·9	30	4·3	30	4·5	30	5·3	30	5·3	30	5·3	5·0	31
---	6·5	---	6·4	---	6·3	---	6·3	---	6·0	---	5·8	---	5·4	---	4·7	---	4·5	---	4·4	---	4·2	---	4·2	5.2	

June, 1932.

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

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

244. Eskdalemuir: H_a = 235 metres + 15 metres.

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

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) — 235 metres + 15 metres.

July, 1932.

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

August, 1932.

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

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

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

* Velocity record defective. † Mean for 28 days only, 26th and 27th omitted.

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

September, 1932.

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

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

* Velocity record defective.

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

248. Eskdalemuir: H_a = 235 metres + 15 metres.

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

*Record defective. † Mean for 26 days only; 4th, 5th, 7th, 9th, and 18th omitted. ‡ Mean for 358 days only.

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.
M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

November, 1932.

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

December and Year, 1932.

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

0-1h 1st January 1933 190 7·5

249. Eskdalemuir: H_a – 235 metres + 15 metres. 1932.

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

* clocK Stopped.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

250. Eskdalemuir: H_a – 235 metres + 15 metres. 1932.

Month.	DISTRIBUTION OF WIND SPEED.								EXTREME VELOCITIES.				
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record.	Highest Hourly Wind			Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day. hour.	m/s.	day. h. m.
Jan.	1,4,5,13,14, 15,16,17,18	42	18	159	266	152	120	5	190	21	16 15·30	31	13 11 15
Feb.	--	0	3	9	211	248	228	0	10	13	24 02·30	18	24 02 50
Mar.	--	0	4	12	227	336	169	0	250	15	5 10·30	25	5 10 5
April	--	0	11	78	322	212	108	0	210	17	10 11·30	25	10 01 00
May	--	0	5	22	349	286	87	0	200	14	19 22·30	20	19 22 25
June	--	0	0	0	190	414	116	0	230	10	27 08·30	15	27 07 00
July	--	0	7	20	306	351	67	0	210	13	4 19·30	19	28 05 00
Aug.	--	0	1	5	179	418	142	0	230	13	6 16·30	19	6 16 25
Sept.	--	0	7	33	244	301	137	5	240	15	1 14·30	28	11 13 25
Oct.	--	0	8	48	271	264	161	0	280	17	18 03·30	27	18 03 20
Nov.	26	1	9	97	168	254	200	0	250	21	26 20·30	30	26 20 20
Dec.	16,17,18	29	12	107	282	244	64	18	200	21	17 18·30	31	17 07 5
Year	13	72	85	590	3015	3480	1599	28	190	21	Jan. 16 15·30	31	Jan. 13 11 15

Readings, in degrees absolute, at 9h Greenwich Mean Time.

251. Eskdalemuir. 1932.

Day.	Jan. 30cm	Jan. 122cm	Feb. 30cm	Feb. 122cm	Mar. 30cm	Mar. 122cm	Apr. 30cm	Apr. 122cm	May 30cm	May 122cm	June 30cm	June 122cm	July 30cm	July 122cm	Aug. 30cm	Aug. 122cm	Sept. 30cm	Sept. 122cm	Oct. 30cm	Oct. 122cm	Nov. 30cm	Nov. 122cm	Dec. 30cm	Dec. 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	77·5	80·1	76·9	79·4	76·9	78·3	78·0	78·7	81·0	79·2	84·0	81·0	86·8	83·1	87·0	84·4	86·8	85·1	83·0	84·1	78·9	82·1	78·1	80·4
2	77·3	80·1	77·2	79·4	76·8	78·2	77·1	78·7	81·0	79·2	84·7	81·2	86·9	83·3	86·9	84·5	87·0	85·1	82·8	84·1	79·3	82·0	78·0	80·3
3	78·0	80·1	77·0	79·3	76·4	78·3	77·2	78·7	80·5	79·2	85·1	81·1	86·6	83·5	86·7	84·6	87·1	85·1	82·2	84·1	80·0	82·0	78·0	80·3
4	79·0	80·0	77·4	79·3	76·3	78·2	77·5	78·8	80·6	79·4	84·4	81·1	86·5	83·5	86·8	84·4	86·0	85·1	82·1	84·1	80·8	81·9	77·7	80·4
5	79·1	79·9	77·9	79·2	76·6	78·3	77·3	78·7	80·2	79·3	83·9	81·1	86·2	83·4	86·9	84·5	85·8	85·1	81·8	84·0	80·5	81·9	77·3	80·3
6	79·3	79·9	78·0	79·2	77·0	78·4	77·7	78·7	80·0	79·3	83·5	81·2	86·3	83·6	86·9	84·4	85·8	85·1	82·0	83·9	79·1	81·9	77·0	80·2
7	79·0	80·0	78·0	79·1	76·9	78·3	77·8	78·7	79·7	79·6	83·5	81·2	86·8	83·5	86·9	84·4	85·8	85·1	82·3	83·8	78·9	81·9	76·8	80·1
8	78·5	80·0	78·0	79·3	76·6	78·5	77·8	78·7	79·6	79·3	83·3	81·2	86·7	83·6	87·0	84·6	85·8	85·1	82·7	83·7	78·4	81·9	76·6	80·1
9	78·0	80·0	77·8	79·3	76·7	78·5	77·7	78·8	79·8	79·4	83·2	81·3	86·9	83·8	87·2	84·6	85·6	85·0	82·7	83·7	78·6	81·8	76·4	80·1
10	77·7	80·0	77·5	79·2	76·4	78·4	77·7	78·8	80·0	79·4	84·0	81·3	87·1	83·9	87·6	84·6	86·0	85·1	82·6	83·8	78·6	81·7	76·3	80·1
11	77·8	80·0	77·1	79·4	76·2	78·3	77·7	78·7	80·0	79·5	84·6	81·6	87·9	83·9	87·7	84·6	85·9	85·1	82·6	83·6	78·2	81·4	76·1	80·0
12	77·7	79·9	77·0	79·2	76·1	78·2	77·4	78·6	80·5	79·5	85·0	81·6	87·8	83·9	88·2	84·7	85·5	85·1	82·5	83·6	78·1	81·4	76·0	79·9
13	77·7	79·9	77·0	79·2	76·0	78·2	77·3	78·7	81·0	79·6	85·1	81·7	87·0	83·9	88·4	84·9	85·0	85·0	82·0	83·6	78·5	81·3	76·0	79·8
14	77·8	79·8	77·0	79·1	76·3	78·2	77·7	78·7	81·4	79·6	85·7	81·8	86·7	83·9	88·3	84·9	85·1	85·0	82·0	83·6	78·8	81·2	76·0	79·8
15	78·0	79·8	76·8	79·1	76·8	78·2	77·8	78·7	81·2	79·6	86·2	81·7	86·5	84·0	88·0	84·8	85·9	85·0	81·4	83·3	78·9	81·2	76·6	79·7
16	78·1	79·7	76·4	79·0	77·0	78·1	78·0	78·7	82·4	79·8	86·6	81·9	87·3	83·9	88·0	84·9	86·3	85·0	81·4	83·2	78·9	81·2	77·2	79·7
17	78·8	79·7	76·2	79·0	77·0	78·1	77·9	78·8	82·4	79·8	87·2	82·1	87·1	84·1	88·0	84·9	86·9	84·9	81·8	83·2	78·9	81·1	78·0	79·7
18	78·8	79·8	76·2	79·0	77·2	78·2	78·1	78·7	83·0	80·0	87·5	82·1	87·0	84·1	88·2	85·0	86·8	84·9	81·8	83·1	78·8	81·1	78·2	79·7
19	79·2	79·7	76·1	78·9	77·1	78·2	78·3	78·6	83·2	80·1	87·0	82·1	87·1	84·1	88·7	85·0	86·0	84·9	81·1	83·1	78·8	81·1	79·0	79·6
20	79·5	79·7	76·1	78·9	77·2	78·1	78·9	78·7	83·2	80·1	86·7	82·2	87·2	84·1	88·0	85·1	85·2	84·9	81·1	83·1	78·5	81·1	79·8	79·5
21	79·8	79·8	76·1	78·7	77·6	78·1	78·7	78·7	83·5	80·1	86·9	82·3	87·1	84·1	88·0	85·1	84·7	85·0	81·0	83·1	78·4	81·1	79·5	79·6
22	79·8	79·9	76·0	78·7	78·0	78·1	78·6	78·8	83·2	80·1	87·0	82·5	87·0	84·1	87·1	85·1	84·3	85·0	81·0	82·9	78·0	81·1	79·2	79·6
23	79·4	79·8	76·0	78·7	78·1	78·2	78·8	78·7	83·0	80·2	87·1	82·7	86·8	84·1	87·0	85·2	83·8	84·9	81·0	82·9	78·0	81·0	79·0	79·7
24	79·1	79·8	76·3	78·7	78·1	78·2	78·8	78·8	83·0	80·4	87·0	82·8	87·0	84·1	87·0	85·2	83·5	84·8	80·6	82·9	77·6	81·0	79·1	79·8
25	78·8	79·8	76·6	78·6	78·1	78·3	78·9	78·9	82·7	80·5	86·8	82·9	87·0	84·2	87·0	85·1	83·5	84·8	80·2	82·8	77·1	80·9	79·1	79·8
26	78·5	79·8	76·9	78·3	78·2	78·3	79·0	79·0	82·3	80·5	86·9	82·9	87·0	84·2	86·7	85·1	83·6	84·7	80·0	82·7	78·0	80·8	79·1	79·9
27	78·0	79·9	77·0	78·4	78·1	78·3	79·2	79·0	82·2	80·7	86·8	83·0	87·2	84·3	86·8	85·1	83·2	84·8	80·0	82·6	78·2	80·8	79·1	80·0
28	77·8	79·9	77·0	78·3	78·1	78·4	80·0	79·0	82·8	80·8	86·6	83·1	87·0	84·2	86·9	85·1	82·8	84·5	80·0	82·5	78·0	80·6	79·1	80·0
29	77·8	79·9	76·4	78·3	78·6	78·4	80·2	79·1	82·7	80·8	86·0	83·1	86·7	84·3	86·8	85·1	82·7	84·2	79·4	82·4	78·0	80·6	79·0	80·0
30	77·7	79·7			78·7	78·4	80·9	79·0	82·8	80·9	86·2	83·1	86·8	84·4	86·8	85·1	82·9	84·1	78·8	82·3	78·4	80·6	79·1	80·0
31	77·4	79·3			78·8	78·6			83·5	80·9			86·9	84·3	86·8	85·1			78·7	82·3			78·8	79·9
Mean.	78·4	79·9	76·9	79·0	77·2	78·3	78·3	78·8	81·7	79·9	85·6	82·0	86·9	83·9	87·4	84·8	85·2	84·9	81·4	83·3	78·6	81·3	77·9	79·9
Year.																							81·3	81·3

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. 1932.

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

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 275·4

253. Eskdalemuir. January, 1932.

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.	Nb: A-Cu: Ci.	St-Cu:	10	10	7	9	8	8	h	G	I	j	j	j	●	d	...	...	...	...	o✱^{0} ✸^{0} early, o●dm$_0$ ⇀ *a* : bc●, c●m$_0$ *p* : c *n*.
2	Nb.	St.	Nb.	10	10	10	10	10	10	i	h	I	h	i	i	●	●	d$_0$	d	●	●	c●, od$_0$m$_0$ *a* : od, c●m$_0$ *p* : o●m$_0$ *n*.
3	Nb.	Nb.	Nb.	10	10	10	10	10	10	i	h	h	j	i	i	●	●	●	●	●	●^{0}	c●m$_0$ *a and p* : c●●^{0} m$_0$ *n*.
4	St-Cu.	St.	Nb.	9	9	10	10	10	9	j	j	I	h	h	i	...	...	...	d$_0$	●	...	⇀ early, c, om$_0$ *a* : od$_0$m$_0$, c● *p* : c●●^{2}, c *n*.
5	St-Cu.	St.	Nb.	9	9	10	10	10	3	j	I	h	h	h	k	...	●^{0}	d	●	●	...	cp● early, c●^{0} dm$_0$ ⇀ *a* : ⇀ od●m$_0$ *p* : o●m$_0$, bc *n*.
6	St-Cu.	St: A-St.	St-Cu.	3	10	10	9	4	5	j	h	j	l	j	j	...	●^{0}	...	...	...	...	cp● early, c●d$_0$m$_0$ *a* : c, bc *p* : bcp● *n*.
7	St-Cu.	St-Cu.	St-Cu:	5	8	1	3	3	7	j	j	k	k	k	k	...	●^{0}	...	...	...	...	cp✱ early, ci ✸ ●^{0}, p✸, b *a* : b, bc *p* : bcp●^{0} *n*.
8	...	...	A-Cu.	0	0	0	1	9	2	l	l	l	l	k	k	...	...	...	...	...	...	b⊔, b *a* : b, c *p* : c, b⊔ ✱^{0} *n*.
9	St.	St-Cu: A-St.	Nb.	10	9	10	10	10	10	h	j	I	I	h	h	✱^{0}	...	...	✸	●	●^{2}	⊠, ci✱^{0} *a* : c✱✸m$_0$, ●m$_0$ *p* : o●●^{2} m$_0$ *n*.
10	St-Cu: A-St.	Nb: A-St.	Nb: A-St.	10	10	10	10	10	6	i	j	I	j	j	j	●^{0}	...	●	...	...	...	c●, o●^{2}, ci●m$_0$ *a* : ci●▲kq, i● *p* : ci●, bc *n*.
11	St-Cu: Ci.	A-Cu: Ci-St.	St: A-St.	1	6	8	9	10	10	k	k	j	j	j	i	...	...	...	●^{0}	...	...	b⊔, c *a* : ci●^{0} *p* : c, om$_0$ *n*.
12	St.	Cu: St-Cu: A-Cu.	St-Cu: A-St.	10	10	8	10	10	10	h	h	j	j	j	i	...	...	...	...	...	d$_0$	om$_0$, cp●▲ *a* : cp● *p* : cid$_0$ *n*.
13	Nb: A-St.	St-Cu.	St-Cu.	9	8	6	8	10	10	i	j	l	l	j	j	●^{0}	...	...	...	p●▲	p●	c●●^{2} early, c●m$_0$, bc ⇀ *a* : cq, cp●▲ *p* : cp●▲q *n*.
14	St-Cu.	Nb: Cu: St-Cu.	St-Cu.	9	9	10	10	9	10	k	k	h	I	I	j	...	...	p●▲	●	●^{0}	●^{0}	cp✱^{0}●▲ *a* : cp●▲, ci● ⇀ *p* : c●m$_0$ *n*.
15	St: St-Cu.	Cu: St-Cu.	Nb: A-St.	8	8	9	9	10	10	k	l	l	k	j	i	...	...	...	...	●	●	c *a* : c, c● *p* : c●qm ⇀ *n*.
16	Nb.	St.	St: A-St.	10	10	10	10	10	10	i	h	h	I	i	i	d$_0$	...	d$_0$	●^{0}	...	●	c● early, cd$_0$m$_0$ ⇀ *a* : cd$_0$ c●^{0}m$_0$ ⇀ *p* : c●m$_0$ *n*.
17	St-Cu.	St-Cu.	St.	4	4	9	10	10	10	k	k	k	j	j	I	...	...	...	...	...	d$_0$	c●m$_0$ early, bc, c *a* : cp●^{0}, o *p* : oid$_0$m$_0$ *n*.
18	St.	St.	St.	10	10	10	10	10	10	j	h	D	D	D	D	...	...	...	d$_0$	d$_0$	d$_0$	oid$_0$m$_0$ ⇀ early, of ⇀ *a* : od$_0$df *p* : od$_0$ f *n*.
19	St.	St.	St-Cu.	10	10	10	10	10	10	g	F	G	j	j	G	d$_0$	d$_0$	d	...	...	d$_0$	od$_0$dm$_0$ *a* : oid$_0$m$_0$, c *p* : c, oid$_0$m$_0$ *n*.
20	St.	St.	St.	10	10	10	10	10	10	f	G	G	G	G	d	d	d	d	d	d	d	odm$_0$ *a* : odf *p and n*.
21	St.	St-Cu.	Nb.	10	10	10	10	10	10	G	k	k	k	I	j	d	...	...	...	●	...	odm$_0$, c *a* : c, c●^{0}●m$_0$ *p* : c●m$_0$, c *n*.
22	St-Cu.	Cu: Ci.	Ci.	8	7	2	1	1	1	j	k	k	l	l	l	...	...	...	...	...	...	ci●^{0} early, bc, b ≡ *a* : b *p* : b, b⊔ *n*.
23	St.	St.	St.	10	9	10	10	10	10	c	j	I	D	G	h	...	...	...	...	...	...	ofe, cm$_0$ *a* : oid$_0$ ofe *p* : om$_0$cm$_0$ *n*.
24	St.	Fr-Cu.	St: St-Cu: A-Cu.	10	8	1	0	7	10	d	I	j	j	h	e	...	...	...	...	...	d	cf, b *a* : b, bcm$_0$, *p* : bcm$_0$, odf *n*.
25	A-Cu: Ci.	...	Ci.	2	1	0	1	1	0	l	l	l	l	j	j	...	...	...	...	...	...	b⊔, b *a* : by, b *p* : b⊔ *n*.
26	...	St.	St.	0	4	10	10	10	10	k	k	G	G	f	f	...	...	...	...	...	...	b⊔, bc⊔, p✱^{0} *a* : om$_0$ *p* : om *n*.
27	St.	St-Cu.	St-Cu.	10	10	10	10	10	10	I	j	I	I	j	i	...	...	...	...	...	...	om$_0$, c *a* : cm$_0$ c *p* : cm$_0$ *n*.
28	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	I	I	I	I	h	h	...	...	...	...	...	...	cz$_0$ *a* : cm$_0$ *p and n*.
29	St-Cu: Ci.	St.	St-Cu.	9	9	10	10	3	1	I	I	I	I	j	k	...	...	...	d$_0$	...	...	cm$_0$i●^{0} *a* : om$_0$, oid$_0$ *p* : bc, b *n*.
30	...	Ci.	...	0	0	1	1	0	0	m	m	m	m	k	k	...	...	...	...	...	...	b⊔, b *a* : b *p* : b⊔ *n*.
31	St.	St.	St.	10	8	10	9	10	10	D	I	h	h	D	D	...	...	...	...	...	d$_0$	of⊔ V, c⊔ *a* : oif, cm$_0$ *p* : ofid$_0$ *n*.
Mean Cloud Am'nt.				7·6	7·9	7·8	8·1	8·2	7·8													

254. Eskdalemuir. February, 1932.

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-Cu.	Cu: St-Cu.	St-Cu.	3	6	9	6	9	5	k	k	k	h	I	i	...	...	...	...	...	...	bc, cp●^{0}, c *a* : c, bcz$_0$ *p* : bcz$_0$, bcm *n*.
2	...	St-Cu: A-Cu.	St-Cu.	0	2	8	9	1	6	l	l	k	k	k	k	...	...	...	...	...	...	b⊔, c *a* : cp●^{0}, c, b *p* : b⊔ *n*.
3	St-Cu: A-Cu.	St-Cu.	St.	5	9	10	7	10	10	l	k	k	I	h	D	...	...	...	...	...	...	bc, c *a* : c, bc, om$_0$ *p* : om$_0$, ofe ⩌ *n*.
4	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	h	h	j	j	j	j	...	...	...	...	...	...	fe early, cm$_0$, c *a* : c *p and n*.
5	St.	St-Cu.	St-Cu.	10	10	10	10	10	10	h	h	j	j	h	h	...	...	...	...	...	...	om$_0$, c *a* : cm$_0$ *p and n*.
6	St-Cu.	St: St-Cu.	St-Cu.	10	10	10	10	10	10	h	h	h	j	h	h	...	...	...	...	...	...	cm$_0$ *a, p and n*.
7	St-Cu.	Ci.	Ci.	10	10	1	1	1	0	g	h	h	h	h	g	...	...	...	...	...	...	cm$_0$, bz$_0$ *a* : bz$_0$, bm$_0$ *p* : b⊔m$_0$ *n*.
8	St-Cu.	Cu: St-Cu.	Cu: St-Cu.	5	8	8	6	6	5	I	j	l	l	l	k	...	...	...	...	...	...	bc⊔m$_0$, c⊔ *a* : c, bcy *p* : bc *n*.
9	St-Cu.	Cu.	St-Cu: A-Cu.	5	5	6	1	5	0	l	l	k	l	l	l	...	...	...	...	...	...	bcp●^{0} *a* : bc, b *p* : bc, b⊔ *n*.
10	St-Cu:Cu-Nb:A-Cu.	Cu: Cu-Nb.	St: St-Cu.	4	9	8	3	10	9	l	j	m	m	m	j	...	✱	p✱^{0}	...	✱^{0}	✱^{0}	⊠, c✱, cp✱^{0} *a* : cp✱^{0}, ci✱^{0} ⬯ *p* : ci✱^{0} *n*.
11	St-Cu:A-St:A-Cu.	St-Cu: A-Cu.	Nb: A-St.A-Cu.	9	8	9	3	9	10	j	l	k	l	j	j	...	...	p✸^{0}	...	●	i●^{0}	⊠ cp✱^{0}, p✸^{0} *a* : cp✸^{0}, c● *p* : cp●▲, ci●^{0} *n*.
12	St-Cu: A-St.	Cu: St-Cu.	Cu: St-Cu:A-Cu.	10	9	9	9	7	9	k	l	k	m	l	k	...	...	p✱^{0}	▲^{0}	...	...	ci✱^{0}, c *a* : cp✱▲^{0} bc ⬯ *p* : bc⊔, c⊔ *n*.
13	St-Cu.	St-Cu.	Cu: St-Cu.	9	9	9	10	10	9	k	l	k	k	k	k	...	...	...	...	p✸^{0}	...	c⊔, c *a* : c, cp✸^{0} *p* : cp ✸ *n*.
14	St-Cu.	Cu.	Cu: Ci.	10	9	5	5	2	2	k	k	l	l	l	l	...	...	...	...	...	...	c, bcy *a* : bcy, b *p* : b, b⊔ *n*.
15	St-Cu: Ci.	Cu.	Cu.	1	1	1	3	1	1	k	k	m	m	j	j	...	...	...	...	...	...	b⊔, by ⬯ *a* : bcy ⬯, b *p* : b, b⊔ *n*.
16	St-Cu.	Cu: St-Cu: Ci.	A-Cu.	1	1	6	1	1	1	k	k	l	l	k	k	...	...	...	...	...	...	b⊔, bcy *a* : by b *p* : b, b⊔ *n*.
17	A-Cu: Ci.	Cu: Ci.	Ci.	1	3	4	1	1	0	j	k	j	k	j	i	...	...	...	...	...	...	b⊔, bcy *a* : bcy b *p* : b, b⊔ m$_0$ *n*.
18	St-Cu.	Cu.	...	9	9	4	0	0	0	I	I	I	I	h	g	...	...	...	...	...	...	cm$_0$⊔, bcz$_0$ *a* : bcz$_0$ *p* : bm$_0$⊔ *n*.
19	...	Cu: Ci.	St-Cu.	0	0	1	5	9	9	I	I	k	l	I	j	...	...	...	...	...	...	bm$_0$⊔, by *a* : bcy, c *p* : cm$_0$ c *n*.
20	St-Cu: A-Cu: Ci.	St-Cu: Ci.	A-Cu: Ci.	9	3	1	1	1	1	l	l	l	l	k	k	...	...	...	...	...	...	c, bc, by *a* : by, b *p* : b⊔ *n*.
21	Cu: A-Cu: Ci.	Cu: A-Cu: Ci.	Nb: St-Cu.	4	3	1	9	9	9	k	l	l	l	l	k	...	...	...	...	...	...	b⊔ early, bc, by *a* : bc, cp●^{0} c *p* : c *n*.
22	A-Cu: Ci.	St-Cu.	St-Cu.	5	2	10	10	10	10	l	l	k	j	I	i	...	...	...	...	...	...	bc, b, cy *a* : cy, cm$_0$ *p* : cm$_0$ *n*.
23	St-Cu.	St-Cu: A-Cu.	St-Cu: A-Cu.	10	10	8	8	5	2	k	k	k	k	k	k	...	...	...	...	...	...	cp●^{0} early, cy *a* : cy, bc *p* : bc, b *n*.
24	Cu: St-Cu.	St-Cu.	St-Cu.	5	6	10	8	4	5	k	k	k	k	k	j	...	...	...	...	...	...	bc, cp●^{0} *a* : cp●^{0} *p* : cp●^{0}, bc *n*.
25	St.	St-Cu.	St-Cu.	10	10	10	10	10	8	G	j	l	l	l	k	d$_0$	id$_0$	...	...	...	p●^{0}	cid$_0$m$_0$, c *a* : c *p* : cp●^{0} *n*.
26	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	k	k	k	k	p●^{0}	...	...	...	...	...	cpd$_0$, c *a* : c *p and n*.
27	St-Cu.	Cu.	...	10	10	5	3	0	0	j	j	k	l	l	k	...	d$_0$	...	...	...	...	cid$_0$, bc *a* : bc bcy *p* : b, b⊔ *n*.
28	St-Cu.	St-Cu.	St-Cu.	10	10	10	9	10	10	l	k	k	l	l	k	...	✱^{0}	...	...	...	✱^{0}	c, c✱^{0}, bc *a* : bc, c *p* : ci✱^{0} *n*.
29	St-Cu.	Cu.	Cu.	3	4	3	1	1	0	l	k	k	l	k	k	...	...	...	...	...	...	bc, bcy *a* : by, b *p* : b *n*.
Mean Cloud Am'nt.				6·5	6·8	6·8	5·8	5·9	5·6													

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.						

255. Eskdalemuir. **March, 1932.**

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	---	Cu: Ci-Cu.	Cu: St-Cu: Ci-Cu.	0	0	1	1	3	1	k	l	l	l	l	k	...	...	...	...	...	...	b⊔, by *a* : byq, bc *p* : bc, b⊔ *n*.
2	St-Cu: Ci-Cu.	St-Cu.	St-Cu.	5	9	9	10	10	10	l	k	k	k	k	k	...	...	...	✱^{0}	✱^{0}	...	bc, cp✱^{0} *a* : ci✱^{0} *p* : ci✱^{0}, c *n*.
3	St-Cu.	Cu	---	10	9	1	0	0	0	k	k	k	k	j	k	...	...	...	...	...	...	c✱^{0} early, c, by *a* : by, b *p* : b, b⊔ *n*.
4	St-Cu.	St-Cu	St-Cu.	9	9	9	9	9	9	l	l	l	k	k	k	...	...	...	...	...	...	c⊔, bc, cy *a* : cy *p* : cy, bc, c *n*.
5	St.	Cu: Cu-Nb.	Cu:Nb.	10	10	9	9	8	8	I	I	l	k	j	i	...	●^{0}	...	p●	...	i✱^{0}	c●^{0} m$_0$, ⌒, p●^{0}▲^{0}, c *a* : cp●q *p* : ci ✱ m$_0$ *n*.
6	St.	St.	St-Cu.	10	6	10	6	4	0	G	k	G	j	j	j	✱^{0}	...	✱	...	...	...	⊞ 9 cms, ci ✱ m$_0$, ✢ *a* : ci ✱, bc ✢ *p* : cp ✱, b ✢ *n*.
7	St-Cu:Ci.	St.	St.	7	10	10	10	10	7	k	k	F	G	I	i	...	...	✱	✸	●	...	⊞ 12-13cms, o✱m *a* : o✱, o✸, o●m$_0$ *p* : o●, c, bcm$_0$ [Ш glow 2230-2330 *n*.
8	A-Cu: Ci: Ci-Cu	Cu: Ci.	A-Cu: Ci.	4	1	1	1	3	0	l	l	m	k	j	i	...	...	...	...	...	...	⊞ bc, by *a* : by, bcz$_0$ *p* : bcz$_0$, bz$_0$ Ш glow 21h *n*.
9	St.Cu: A-Cu.	Cu.	St-Cu: Ci.	9	4	2	5	1	0	j	j	k	k	j	j	...	...	...	...	...	...	⊞ c⊔, p✱, b *a* : bc, b *p* : b, b⊔ *n*.
10	St.Cu: A-Cu.	Cu.	Cu: St-Cu.	7	6	4	8	6	2	l	l	j	j	k	k	...	...	...	✱^{0}	...	...	⊞ bc *a* : bc, o✱, c✱^{0} *p* : cp✱^{0}, b Ш *n*.
11	St-Cu.	Cu: Nb: Ci.	St-Cu.	5	4	6	8	8	6	l	k	l	m	l	k	...	...	...	...	...	...	⊞ bcp ✱^{0}, bcy *a* : bcy, cy *p* : c, bc⊔ *n*.
12	St-Cu.	Cu: St-Cu.	St-Cu.	10	9	9	9	9	7	k	k	l	k	k	j	...	...	p✱^{0}	...	...	...	c⊔, cp✱^{0} *a* : cp✱^{0}, c *p* : c, bc *n*.
13	St.	St-Cu: Ci.	St-Cu.	9	10	9	9	3	1	j	j	k	k	k	k	...	...	...	...	...	...	c, cd$_0$, *a* : c, bc *p* : bc, b⌓ *n*.
14	St:Ci.	Cu: Ci.	St-Cu: Ci.	4	7	6	6	9	9	k	k	k	k	k	k	...	...	...	...	...	...	bc⊔, bcy *a* : bcy, c *p* : c *n*.
15	St-Cu.	St-Cu.	St-Cu.	9	10	10	10	10	10	k	l	l	k	j	j	...	...	...	...	...	...	ċ ⌓, c *a* : c *p* *and* *n*.
16	St-Cu.	St-Cu.	St-Cu.	9	9	10	10	9	10	k	k	k	k	k	k	...	...	...	...	...	...	c, cy *a* : cy, c *p* : c *n*.
17	Fi-St: St-Cu.	St-Cu.	St-Cu.	10	10	10	10	9	10	l	l	l	l	k	k	...	●^{0}	...	...	...	...	cp●^{0}, c *a* : c *p* *and* *n*.
18	St-Cu.	Cu:St-Cu.	St-Cu.	1	1	8	9	9	9	k	l	j	k	k	k	...	...	...	...	...	...	b⊔, bcy, cy *a* : cy, c *p* : c *n*.
19	St-Cu.	St-Cu.	St: A-St.	9	9	9	10	10	10	k	k	l	l	j	g	...	...	...	...	i●^{0}	●^{0}	c *a* : c, ci●^{0} *p* : ci●^{0}, c●^{0} m$_0$ *n*.
20	St: St-Cu.	St: St-Cu: A-St.	Fi-St. A-St.	10	10	10	10	10	10	I	I	I	j	i	h	...	...	...	●^{0}	...	●	cm$_0$ *a* : c●^{0}, cm$_0$ *p* : cm$_0$, c●m$_0$ *n*
21	St.	St.	St.	10	10	10	10	10	10	h	h	I	j	G	C	●	●^{0}	d$_0$	...	●	...	o●●^{0}, od$_0$m$_0$ *a* : oid$_0$m$_0$, c, o●m$_0$ *p* : o●m$_0$, of *n*.
22	St.	St-Cu: A-St.	Cu: St-Cu.	10	10	10	8	6	4	I	I	k	k	k	k	●	●	●^{0}	...	...	...	of early, o●, c●m$_0$ *a* : cp●^{0} bc *p* : bc *n*.
23	St.	Cu.	Cu: St-Cu.	10	10	9	9	5	4	C	F	k	k	k	k	...	...	...	...	...	...	oFe, of cp●^{0} *a* : cp●^{0} *p* : bc *n*.
24	St.	Nb: A-St.	St: A-St.	10	10	10	10	10	10	h	h	h	h	G	D	...	●^{0}	●^{0}	●^{0}	●^{0}	●	ç●^{0}m$_0$ *a* : ci●^{0}, m$_0$ *p* : c●^{0}m$_0$, o●f *n*.
25	St: A-St.	Ci-St.	A-Cu: Ci-St: Ci.	10	10	9	9	9	2	h	I	j	I	I	i	...	...	...	...	...	...	ċz$_0$, c⊕y *a* : cy ⊕z$_0$ *p* : cz$_0$y, bz$_0$ *n*.
26	A-St: A-Cu: Ci.	A-St: A-Cu: Ci	A-St: A-Cu: Ci.	9	9	8	9	9	10	j	j	k	k	j	h	...	...	...	...	...	...	c, cy *a* : cy *p* : cy, oz$_0$ *n*.
27	St: A-St.	Nb: A-St.	St: A-St.	10	10	10	10	10	10	G	I	h	h	h	h	...	...	●^{0}	...	...	...	o●^{0} early, c●^{0}m$_0$ *a* : c●^{0}m$_0$, cm$_0$ *p* : cm$_0$ *n*.
28	Nb: St-Cu.	St-Cu: A-St	Cu: St-Cu. Ci.	10	9	10	9	4	10	j	j	k	l	k	h	●^{0}	...	...	...	...	...	c●^{0}, c⊕ *a* : cp●^{2}▲, bc *p* : ci●^{0}m$_0$ *n*
29	St: Cu	St-Cu: A-St.	Nb.	8	10	10	10	10	9	j	k	k	j	I	i	...	...	...	●	●	...	c cp●^{0}, c *a* : c●^{0}●m$_0$ *p* : ci●m$_0$ *n*.
30	Nb: A-St.	Nb.	Nb.	10	10	10	10	10	1	k	m	I	l	j	k	✱^{0}	...	✸	...	●	...	⊞ o●, o✸m$_0$ *a* : o✸, cp● *p* : c●, b, Ш *n*.
31	Nb: A-Cu: Ci.	St-Cu: A-St: A-Cu	Cu: St-Cu.	9	9	9	9	6	4	l	m	l	m	m	l	...	...	...	...	...	...	c, cy, *a* : cy, bc *p* : bc, Ш glow *n*.
Mean Cloud Am'nt.				8·2	8·1	8·0	8·2	7·4	6·2													

256. Eskdalemuir. **April, 1932.**

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	A-St: Ci-St: Ci	St.	St.	9	10	10	10	10	10	l	l	F	G	h	g	...	...	✱	✱	✱	●^{0}	c, o✱m *a* : o✱m$_0$ *p* : o✱, o●^{0}m$_0$ *n*.
2	St: St-Cu: A-Cu.	Cu: St-Cu.	Cu	6	4	6	4	3	4	k	k	k	l	k	k	p✱^{0}	p✱^{0}	...	...	...	...	bcp✱^{0} *a* : bcy *p* : bc *n*.
3	St-Cu.	Cu: Ci-St.	Cu: A-St: Ci-St.	1	1	9	9	9	9	k	k	l	l	k	j	...	...	...	...	...	●^{0}	b⊔, bcy, cy *a* : cy, c *p* : c, c●^{0} *n*.
4	Nb: A-Cu.	Cu: St Cu.	Fr-Cu: Ci.	9	7	9	6	1	0	l	k	l	l	m	l	...	...	...	...	...	...	cp✱ early, cy *a* : bcy () *p* : by (), b *n*.
5	Cu: A-Cu: Ci.	Nb: St-Cu.	Cu: A-Cu: A-St.	2	9	10	9	10	10	l	l	l	l	k	k	...	...	p●^{0}	...	...	...	b⊔, cp●^{0} *a* : cp●^{0}, cy, cp●▲ *p* : cp●^{0}, c *n*.
6	Nb: A-St.	St-Cu.	St-Cu.	10	10	10	7	8	10	j	j	k	k	k	j	●	●	...	...	...	●	c●, cp●^{0} *a* : cp● *p* : cp● *n*.
7	Nb: Cu-Nb.	Cu-Nb.	Cu: Cu-Nb: A-Cu.	8	9	9	5	8	1	k	k	h	m	m	k	✱^{0}	...	p✱	...	...	...	o✱, cp✱, p✱^{2}▲^{2} *a* : cp✱ *p* : cjp, b *n*.
8	Cu: A-Cu: (lent)	Cu.	Cu: Ci.	1	3	6	5	1	1	m	m	l	k	m	k	...	...	...	...	...	...	cp✱, bcy *a* : by *p* : by, b *n*.
9	Nb.	Nb.	Nb.	10	10	10	10	10	10	h	G	I	h	h	k	●	●^{0}	●	●	●	...	o●^{0}●m$_0$ *a* : o●i●^{2}m$_0$ *p* : o●m$_0$ *n*.
10	St.	Cu: Cu-Nb.	Cu: Ci.	10	10	8	6	4	1	k	I	k	l	l	l	p●^{0}	●	...	...	...	...	o●i✸, cp● *a* : cp●, bcy *p* : bcy *n*.
11	Nb: A-St.	Cu-Nb.	Cu-Nb: A-St.	9	9	4	9	9	1	j	k	k	l	l	k	✱^{0}	...	...	p✱^{0}	...	...	ci✱^{0}, p✱^{0}, bcy *a* : cp△✱^{0} *p* : cp✱q, b *n*.
12	St-Cu: Ci.	Cu	Cu: St-Cu.	1	1	5	5	4	7	l	l	l	k	k	l	...	...	...	...	...	...	⊞ b, bcy *a* : bcy *p* : bcy, bc *n*.
13	A-Cu: Ci-St.	St-Cu	St-Cu	10	10	10	10	10	10	k	k	I	k	j	j	...	...	d$_0$	...	...	●	c✱, cid$_0$m$_0$ *a* : cid$_0$m$_0$ *p* : cd$_0$, c● *n*.
14	Nb.	St-Cu	Cu:Nb: Nb: Ci.	9	10	9	9	4	9	I	I	j	k	l	k	...	●	...	●^{0}	...	...	ci●m$_0$ *a* : ci●^{0}, p●^{0}, *p* : bc *n*.
15	St: A-St: A-Cu.	Cu: St-Cu: Ci:	Cu: St-Cu: Ci.	8	10	9	9	5	2	k	I	j	j	k	k	...	●	...	...	...	...	cp✸^{0}, cp●▲^{0} *a* : cp● *p* : bc, b *n*.
16	Cu: A-Cu: Ci-Cu.	Cu: A-Cu.	Cu: A-Cu: Ci.	3	7	7	7	2	5	k	k	k	l	l	k	...	...	...	...	...	...	bc, bcy *a* : by *p* : by, bc *n*.
17	Cu: St-Cu: Ci.	Cu: Ci.	A-Cu	3	6	7	4	1	8	l	l	l	m	m	l	...	...	...	...	...	...	bc, bcy *a* : bcy, by *p* : by, c *n*.
18	St-Cu: A-Cu.	St-Cu.	St-Cu.	9	10	7	9	10	10	l	l	l	k	k	h	...	...	...	...	...	...	c, bcy *a* : bcy, cy *p* : cy, cz$_0$ *n*.
19	St-Cu: A-Cu.	Cu: St-Cu.	Cu: Nb:	9	9	7	9	10	10	k	k	k	k	k	j	...	p●^{0}	...	...	p●	...	op●^{0} *a* : cp● *p* : cp●, p●▲, c *n*.
20	Cu: St-Cu.	Cu: Nb.	Cu.	8	7	10	10	7	9	k	k	k	k	m	k	...	...	p●▲	p✸	...	...	cp●△▲q *a* : cp●▲ ✸T < *p* : bc(), cp●^{0}, c *n*.
21	St: St-Cu.	St.	Cu-Nb: Ci.	10	9	10	9	6	1	j	j	I	k	k	k	...	...	✸	...	...	...	c, p●^{0}, p●▲, c✸ *a* : c✸m$_0$ *p* : c, bc, b *n*.
22	Cu: Ci.	Cu: St-Cu: Ci.	Nb: A-St.	5	8	7	10	10	10	j	j	l	l	I	I	...	...	...	●^{0}	●^{0}	●	cp●, p●▲ *a* : ci●^{0} *p* : ci●^{0}i● kq ▲✸ *n*.
23	Cu: St-Cu.	Cu-Nb.	Cu-Nb. St-Cu: Ci.	9	6	10	6	6	1	k	k	j	l	m	k	...	p●^{0}▲^{2}	✱^{2}	...	...	p✸^{0}	bcp●^{0}, cp✸^{2}▲^{2} *a* : c✱^{2}▲^{2}, cp✸ *p* : bcp✸^{0} *n*.
24	St-Cu.	Cu: St-Cu: Ci.	St-Cu: Ci.	1	6	8	9	9	8	m	m	m	k	m	k	...	...	...	...	...	...	b⊔ early *a* : bcy, cy *p* : cy, c *n*.
25	St-Cu.	Cu: Ci.	Cu: St-Cu: Ci.	9	8	9	9	6	0	m	l	l	l	m	l	...	...	...	...	...	...	cp✱^{0} *a* : cyq, bcy *p* : bcy, b *n*.
26	Cu.	Cu.	Cu.	1	1	5	6	1	1	m	l	k	k	m	l	...	...	...	...	...	...	b⊔ early *a* : bcy, p ▲^{0} *p* : by, b *n*.
27	...	Cu: Ci.	A-Cu: Ci-St.	0	1	4	5	7	10	k	k	l	k	j	j	...	...	...	...	...	...	b⊔, bcy *a* : bcy *p* : bcy, cy *n*.
28	Nb: A-St.	St-Cu.	St.	10	10	10	10	10	10	j	j	j	I	G	h	●^{0}	...	...	●^{0}	...	...	ci●^{0} *a* : c●^{0}z$_0$ *p* : cid$_0$m$_0$ *n*.
29	St: A-St.	Cu: St-Cu.	Cu: A-Cu.	10	9	9	6	3	5	h	k	j	k	k	j	...	...	...	...	...	...	c●^{0} *a* : bcy, cp●^{0} *p* : bc < *n*.
30	Nb: A-St.	Cu: St-Cu.	St-Cu. Ci-St.	10	9	9	9	9	9	j	j	j	j	j	j	●^{0}	...	...	...	...	...	ci●^{0}, c *a* : c *p* : ci●^{0}, c *n*.
Mean Cloud Am'nt.				6·7	7·3	8·1	7·7	6·4	6·1													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

257. Eskdalemuir. **May, 1932.**

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: Ci.	St.	10	9	9	10	10	10	G	I	j	j	j	i	id_0	id_0	...	...	...	d_0	cid_0, c *a* : c *p* : c, cd_0m_0 *n*.
2	St.	St-Cu.	Nb: A-St.	10	10	10	10	10	10	G	I	j	h	I	I	d_0	...	...	●^{0}	●	...	od_0m_0 *a* : c●m_0 *p* : c●m_0 cm_0 *n*.
3	St: A-Cu: Ci.	Cu: St-Cu: A-Cu.	Fr-Cu: St-Cu.	8	9	1	1	2	6	k	k	l	l	l	l	...	...	...	...	...	...	c, by *a* : by, b *p* : b, bc *n*.
4	St-Cu.	Cu: St-Cu.	Cu: St-Cu: A-Cu.	10	6	9	9	6	7	l	m	l	m	m	l	...	...	...	...	...	...	cy *a* : cy, bcy *p* : kqp●^{0}, bc *n*.
5	Cu: St-Cu: A-Cu	Cu-Nb: Ci.	Cu: Nb:	6	4	6	9	7	8	l	l	m	l	l	j	...	p●^{0}	...	p✱	...	p✶^{0}	bcp✱^{0}, p▲, p✶ () *a* : cp ▲✱, p✱q *p* : cp✶ *n*.
6	St-Cu: Ci.	Cu-Nb.	Cu: St-Cu: A-Cu.	9	9	8	8	9	8	k	k	k	l	l	l	...	...	...	...	...	...	cp✱^{0}q *a* : cp✱^{0} *p* : cp✱^{0}△ *n*.
7	Cu: A-Cu: Ci.	Cu: St-Cu: Ci.	Cu-Nb: A-Cu.	1	8	9	8	9	6	m	l	l	k	l	l	...	p✱^{0}	...	...	●	●^{0}	b, cp✱^{0} y *a* : cy, c● *p* : c●, ✱^{0}, c●^{0} *n*.
8	St-Cu.	Cu: Cu -Nb: Ci.	Cu: Cu-Nb: Ci-St.	1	6	9	8	9	1	k	k	l	l	l	k	...	...	...	...	...	...	bcp ▲, cy *a* : cp●^{0}y, cy ⊕ *p* : cy ⊕, b *n*.
9	St-Cu.	Cu: St-Cu.	Cu.	9	9	7	9	6	2	k	l	l	l	j	l	...	...	...	...	...	...	b ⊔ early, bcp●^{0}y, *a* : cyjp *p* : bcyjp, b *n*.
10	Cu: Fr-Cu.	Cu.	Cu: Ci	1	6	8	8	6	7	l	l	l	l	m	l	...	...	...	...	...	...	bcy, cy *a* : cp●^{0}, cy *p* : bcy *n*.
11	St-Cu.	St-Cu.	St-Cu.	9	10	10	10	10	10	k	k	k	k	I	h	...	...	...	...	...	d_0	cy *a* : cy, cm_0 *p* : cm_0, od_0m_0 *n*.
12	St.	St.	St.	10	10	10	10	10	10	G	G	G	h	h	G	d	d_0	d	●	●	●	od_0dm_0 *a* : od, ● $_0$ *p* : o●m_0 *n*.
13	St.	Nb: A-St.	St: St-Cu.	10	10	10	9	9	10	D	I	I	l	l	G	...	●^{0}	●^{0}	...	...	...	of, o●, c●$^0m_0$ *a* : ci●$^0m_0$ *p* : ci●^{0}, om_0 *n*.
14	St.	Cu.	Cu: Ci.	10	10	8	7	4	6	I	I	k	k	k	k	...	●^{0}	...	...	...	...	om_0, ci●$^0m_0$ *a* : c, bc *p* : bc *n*.
15	St: A-St.	Cu: A-Cu: Ci	A-St: A-Cu.	10	10	7	9	10	10	j	j	j	j	j	I	●^{0}	...	...	...	...	...	ci●^{0}, bcy *a* : cy *p* : cm_0, c● ●^{2} *n*.
16	St: A-St.	St-Cu: A-St:A-Cu.	St-Cu: Ci.	10	10	9	10	9	6	j	j	I	j	j	j	●^{0}	...	...	...	...	...	c●i●^{2} early, ci●^{0}, cm_0 *a* : cm_0 *p* : c, bc *n*.
17	A-Cu: Ci.	Cu: A-Cu: Ci-St.	Cu: A-Cu: Ci.	5	4	5	5	2	1	l	l	l	l	l	l	...	...	...	...	...	...	bcy *a* : bcy, b *p* : b, b ⌓ *n*.
18	A-Cu: Ci-Cu: Ci	Cu: A-St.	Nb: A-St.	6	9	10	10	10	10	j	j	j	I	I	I	...	...	...	●^{0}	●	...	bc, cy *a* : cy, c●^{0}●m_0 *p* : c●, cd, cm_0 *n*
19	Nb: A-St.	St-Cu: A-St.	Nb: A-St.	10	10	10	10	10	10	j	j	j	j	I	I	i●^{0}	...	...	i●^{0}	i●	...	i●, c *a* : i●^{2}, ●^{0}, ●m_0 *p* : c●, cq *n*.
20	St: St-Cu.	St-Cu: A-St:A-Cu	St-Cu.	10	10	9	10	9	10	j	j	j	I	k	k	...	...	...	i●^{0}	...	i●^{0}	c *a* : ci●^{0} *p and n*.
21	St-Cu: A-St.	St-Cu.	St-Cu: A-Cu: Ci.	10	10	10	10	9	10	j	I	j	k	k	j	...	...	...	...	...	...	cm_0, cd_0m_0 *a* : c *p and n*.
22	St-Cu.	St-Cu.	St-Cu.	10	10	10	9	10	10	k	k	k	k	k	l	...	...	...	...	...	...	c *a, p and n*.
23	St-Cu.	Cu: St-Cu.	Cu: St-Cu.	10	9	9	9	9	9	l	l	l	k	k	j	...	...	...	...	...	...	c *a* : cp●^{0} *p and n*.
24	Cu: St-Cu.	Cu: St-Cu: Ci.	Cu: A-Cu: Ci-St.	3	5	8	9	9	1	l	l	l	l	l	l	...	...	...	...	...	...	bcy, cp●^{0} *a* : cy, cp●, p▲^{0} *p* : cp✶▲q, b ⌓ *n*.
25	St-Cu.	Cu: St-Cu.	Cu: St-Cu.	9	9	8	10	9	10	m	l	l	j	m	k	...	...	...	p✶	...	...	cy, cp●▲ *a* : cy, cp✶ *p* : ci●^{0} *n*.
26	St: St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	l	l	l	j	...	●^{0}	...	...	...	...	ci●^{0}, c *a* : c *p* : cid_0 *n*.
27	Cu: A-Cu: Ci.	Cu: St-Cu.	St-Cu: A-Cu.	8	9	9	8	6	10	k	l	l	k	k	j	...	...	...	...	...	...	bcy, cy *a* : cy, bc *p* : bc, c *n*.
28	St-Cu.	St: St-Cu.	Nb: A-St.	10	9	10	9	10	10	j	k	h	l	k	k	...	...	d_0	...	●^{0}	●^{0}	cid_0m_0 *a* : cid_0m_0, c●^{0} *p* : c●^{0} *n*.
29	Nb: A-St.	St-Cu.	Cu: St-Cu: A-St.	10	10	10	9	10	10	k	k	k	k	k	k	●^{0}	●^{0}	...	...	...	...	ci●^{0} *a* : cp● *p* : ci●^{0} *n*.
30	St: St-Cu.	Cu: A-Cu: (lent)	Cu: A-Cu.	9	5	6	6	3	1	j	k	k	l	k	k	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bcy, b ⌓ *n*.
31	St.	Cu.	Ci.	3	6	1	1	1	10	G	I	k	k	j	F	...	...	...	...	...	...	bcm_0 ⌓, b *a* : by, b *p* : b, om *n*.
Mean Cloud Am'nt.				8·0	8·4	8·2	8·4	7·8	7·7													

258. Eskdalemuir. **June, 1932.**

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: Ci.	Ci.	...	9	6	4	2	0	0	j	k	l	l	l	k	...	...	...	...	...	...	c, bcy *a* : bcy, by *p* : b, b ⌓ *n*.
2	A-Cu (Cast)	Cu: A-Cu: Ci.	A-Cu: Ci.	1	1	1	3	3	1	m	m	m	m	m	m	...	...	...	...	...	...	b ⌓, by *a* : by, bcy *p* : bcy, b *n*.
3	St-Cu.	St-Cu: Ci.	St-Cu.	10	10	9	9	9	1	j	k	l	l	l	m	...	...	...	...	...	...	c *a and p* : c, b ⌓ *n*.
4	Cu: St-Cu.	Cu: St-Cu.	Cu: St-Cu.	6	9	9	9	5	3	l	l	l	l	m	m	...	...	...	...	...	...	bc, cy *a* : cp●^{0}y, bcy *p* : bcy, bc *n*.
5	St-Cu.	Cu: St-Cu.	Cu: St-Cu.	9	9	9	9	8	8	m	l	l	l	m	l	...	...	...	...	...	...	c, cy *a* : cy *p* : cy, c *n*.
6	St-Cu.	Cu: St-Cu.	Cu: St-Cu.	9	6	9	9	9	3	l	l	k	l	k	l	...	...	...	...	...	...	c, bcy *a* : cy, c *p* : c, bc *n*.
7	St-Cu.	St-Cu.	St-Cu.	9	9	9	9	9	10	l	l	l	l	l	j	...	...	...	...	...	p●^{0}	bc, c *a* : cp●^{0} *p* : cp●^{0} *n*.
8	St-Cu.	St-Cu.	St-Cu.	9	10	10	10	6	1	k	k	k	l	l	k	...	...	...	...	...	...	cp●^{0} *a* : c, bc *p* : bc, b *n*.
9	St-Cu: A-St.	St-Cu: A-St.	St-Cu.	10	9	10	9	8	9	k	j	j	k	k	i	...	...	...	...	...	...	c ⌓, cp●^{0} *a* : c *p* : c, cm_0 *n*.
10	St-Cu.	Cu: Ci-St. Ci.	Ci-Cu: Ci.	10	9	6	3	3	7	j	k	j	k	k	k	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bcy, bc *n*.
11	A-Cu: Ci: Ci-Cu	Cu: A-Cu.	A-St: A-Cu.	4	6	10	10	9	9	k	k	k	j	k	I	...	...	...	...	...	...	bc ⌓, bcy *a* : cy *p* : cy, cp●^{0} *n*.
12	Ci	Cu: St-Cu: A-Cu.	St-Cu: A-St: A-Cu.	7	5	9	8	10	10	j	k	k	k	l	l	...	...	...	...	...	...	bc ⌓, bcy, c *a* c *p and n*.
13	St: A-St: A-Cu.	Cu: Ci-St.	A-Cu.	9	9	2	1	1	1	l	l	k	k	k	k	...	...	...	...	...	...	c, bcy, by *a* : by *p* : by, b *n*.
14	St-Cu:A-Cu:Ci.Cu.	Cu: A-Cu: Ci-Cu.	A-Cu: Ci	7	4	3	5	1	1	k	k	k	j	k	k	...	...	...	...	...	...	bc, bcy *a* : bcy *p* : b *n*.
15	Cu: A-Cu: Ci.	Cu.	...	2	7	1	1	0	0	k	l	l	l	l	l	...	...	...	...	...	...	bcy, b *a* : by *p* : by, b ⌓ *n*.
16	...	Cu.	Cu.	0	0	1	1	2	1	m	m	m	m	l	k	...	...	...	...	...	...	b ⌓, by *a* : by *p* : by, b ⌓ *n*.
17	Ci.	Cu.	A-Cu: Ci.	2	1	3	1	2	2	k	k	l	l	l	k	...	...	...	...	...	...	b ⌓, bcy *a* : bcy, by *p* : by, b *n*.
18	...	Cu: Ci.	A-Cu: Ci.	0	1	6	7	6	8	m	l	l	l	m	l	...	...	...	...	...	...	b ⌓, bcy *a* : bcy *p* : bc, c *n*.
19	St-Cu: Ci-Cu: Ci.	Cu: St-Cu: Ci.	Cu: A-Cu: Ci.	6	4	9	8	8	6	m	m	m	m	l	l	...	...	...	...	...	...	bcy, cy *a* : cy *p* : c, bc *n*.
20	Cu.	Cu.	Cu: St-Cu.	2	1	4	5	9	10	m	l	l	l	l	l	...	...	...	...	...	...	b ⌓, bcy *a* : bcy, c *p* : c *n*.
21	St-Cu.	Cu: St-Cu.	Cu:Ci.	9	9	4	4	4	5	l	l	l	m	m	l	...	...	...	...	...	...	c, bcy *a* : bcy *p* : bcy, bc *n*.
22	...	Cu.	Cu: St-Cu:A-Cu.	0	1	4	8	9	9	j	j	k	l	l	j	...	...	...	...	...	...	by, bcy *a* : bcy, c *p* : c *n*.
23	St-Cu.	St-Cu.	Cu: St-Cu.	9	9	9	9	9	1	j	j	j	j	j	l	...	...	...	...	...	...	c *a and p* : c, b *n*.
24	St-Cu: A-St:A-Cu	St-Cu.	St-Cu.	9	10	10	10	9	10	l	l	k	k	k	j	...	...	...	...	...	d_0	c *a* : cp●^{0}, c *p* : cid_0 *n*.
25	St-Cu: A-St.	Cu: Ci-St.	St-Cu:A-Cu: Ci.	10	9	9	6	9	10	l	l	l	l	l	I	...	...	...	...	...	d_0	c, cy *a* : cy, bcy *p* : cd_0m_0 *n*.
26	St-Cu: A-St.	St-Cu.	St-Cu:A-St: A-Cu.	10	10	10	10	9	10	I	j	I	k	j	I	...	d_0	id	...	...	d_0	cm_0, cid_0m_0 *a* : cid_0m_0 *p* : cd_0m_0 *n*.
27	St-Cu: A-St.	St-Cu: A-St.	St-Cu: A-St.	10	10	10	10	10	10	I	I	j	j	j	I	id_0	...	...	d_0	...	d_0	cid_0m_0 *a* : cid_0 *p* : c, od_0m_0 *n*.
28	Nb: A-St.	St.	St-Cu.	10	10	10	9	10	10	I	k	I	l	k	k	●	●^{0}	d_0	...	...	...	c●●^{2}, cd_0m_0 *a* : cid_0m_0 *p* : c *n*.
29	St-Cu.	Cu: St-Cu.	Cu: A-Cu.	10	9	10	6	9	10	j	j	l	k	l	k	...	...	...	...	...	●^{0}	c *a* : c, bc *p* : ci●^{0} *n*.
30	Nb.	Nb.	Cu-Nb: St-Cu.	10	10	10	8	9	10	h	I	h	l	j	I	●	●^{0}	d	...	●	●	●, ●^{2}, odm_0 *a* : odm_0, c● *p* : c●i●$^2m_0$ *n*.
Mean Cloud Am'nt.				6·9	6·8	7·0	6·6	6·5	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.						

259. Eskdalemuir. July, 1932.

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.	Cu.	Cu: Ci-Cu: Ci	10	9	8	9	8	10	I	j	k	k	k	I	d	●^{0}	...	p●^{0}	...	...	od, ci● *a* : cp●^{0} *p* : c, cm$_0$ *n*.
2	Cu: A-Cu.	Cu: A-Cu: Ci.	St-Cu: A-Cu: Ci.	5	7	9	8	9	9	k	k	k	k	k	k	...	...	●	...	...	i●	bcy, c● *a* : c●, cy *p* : ci● *n*.
3	St: A-Cu: Ci.	St: St-Cu.	Nb.	9	10	9	10	10	10	j	I	k	k	h	j	...	d	...	...	d	d$_0$	c, cdm$_0$ *a* : cdm$_0$ *p and n*.
4	Nb.	St-Cu:A-St.	St.	10	10	10	10	10	10	G	G	I	j	k	I	d	●	...	...	...	...	cd, c● ●^{2} m$_0$ *a* : c● ☈ ●^{2} m$_0$ *p* : cm$_0$ *n*.
5	St: St-Cu: A-St.	Cu: A-Cu: Ci.	Cu: A-Cu.	10	8	6	9	4	9	I	j	k	l	l	j	...	●^{0}	...	...	...	...	cm$_0$, c●^{0} *a* : bc, c *p* : bc, c *n*.
6	Cu: St-Cu: A-Cu.	Cu: St-Cu.	St-Cu: Cu: Ci.	8	9	9	9	8	9	k	k	k	l	l	j	...	...	...	...	...	...	c, cp●^{2} *a* : cp●, c *p* : c *n*.
7	Cu: St-Cu: A-Cu.	Cu: St-Cu.	Cu: St-Cu.	6	9	9	8	9	10	k	k	k	m	m	l	...	...	...	...	...	...	bc, cy *a* : cy, c *p* : c ◯ *n*.
8	St.	St.	St-Cu.	10	10	10	9	9	10	I	h	I	j	k	k	...	...	...	...	...	...	od$_0$m$_0$ *a* : oid$_0$m$_0$, c *p* : c *n*.
9	St.	St: St-Cu.	Cu: St: Ci-Cu.	10	10	10	9	6	8	h	h	h	h	j	j	d$_0$	d$_0$	d$_0$	d$_0$	...	...	oid$_0$m$_0$ *a* : cid$_0$m$_0$, *p* : cid$_0$m$_0$ *n*.
10	St: St-Cu.	Cu: A-Cu (lent)	Cu: St-Cu.	9	8	4	4	8	6	j	k	l	l	l	j	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c, bc ⌓ *n*.
11	St: A-St: A-Cu.	St-Cu.	St.	9	10	10	10	10	10	l	k	j	j	j	j	...	...	...	...	...	...	c *a* : c, o *p* : o *n*.
12	Nb.	St: St-Cu.	St.	10	10	10	10	10	10	h	k	j	j	j	G	●	...	...	...	●	...	c●m$_0$, c *a* : c, o *p* : o, om$_0$ *n*.
13	St: Nb.	St.	St-Cu: A-Cu: Ci.	10	10	10	9	8	9	G	h	I	k	k	k	●^{2}	●^{2}	...	...	...	...	☈●^{2}, o *a* : o, c *p* : c *n*.
14	St-Cu: A-St.	St-Cu: A-Cu.	Cu: A-Cu: Ci.	10	9	9	6	2	2	k	k	k	k	l	k	...	...	...	...	...	...	c *a* : c, bc *p* : bc, b ⌓ *n*.
15	St-Cu: Ci.	Cu: Ci.	A-Cu.	8	1	2	2	1	9	l	l	l	l	l	k	...	...	...	...	...	...	c ⌓, by *a* : by *p* : by, c *n*.
16	St: St-Cu.	Cu: A-Cu: Ci.	St-Cu: A-Cu.	10	10	9	9	9	9	I	j	I	j	k	k	●	...	...	...	...	...	c●^{0}m$_0$, c *a* : cm$_0$, c *p* : c *n*.
17	Cu: St-Cu.	Cu: Cu-Nb. Ci.	Cu: A-Cu.	7	4	8	5	4	7	m	l	l	k	l	l	...	...	p●^{0}	...	...	...	bcy, cp●^{0} *a* : cp●^{0}, bc *p* : bcp● *n*.
18	Cu: St-Cu: Ci.	Cu: Ci.	St-Cu: A-Cu: Ci.	8	7	8	6	8	8	l	l	k	k	k	l	...	...	...	...	...	...	c, bcy *a* : cy ⊕, bcy *p* : c, bc *n*.
19	St-Cu: A-Cu: A-St.	St-Cu:A-St:A-Cu.	St:A-Cu: Ci.	9	9	9	9	9	9	k	k	k	k	k	k	●^{0}	...	...	...	...	...	c●^{0}, c *a* : c *p and n*.
20	St-Cu: A-Cu:Ci.	Cu: St-Cu: Ci.	Cu: A-Cu: Ci.	9	4	9	9	9	8	l	l	l	k	k	k	...	...	...	p●^{0}	...	...	c, bc *a* : c, cp●^{0} *p* : c, cp●^{0} *n*.
21	Cu:St-Cu:A-Cu.	Cu: St-Cu.	Cu: A-St: Ci.	7	9	9	9	9	7	k	k	l	l	l	l	...	...	...	p●^{0}	...	...	bc, cp●^{0} *a* : cp●^{0} *p* : c, bc *n*.
22	Cu: St-Cu.	Cu: Ci.	Cu: St-Cu.	9	10	8	8	5	2	k	k	k	k	l	l	...	...	...	...	...	...	cp● *a* : cp●^{0}, bc *p* : bc, b *n*.
23	Cu: Ci.	St-Cu: A-St: A-Cu.	Cu: A-St.	4	1	9	10	10	10	l	l	l	l	l	k	...	...	...	...	...	p●^{0}	bc ⌓, bcy *a* : cy, cp● *p* : c, cp●^{0} *n*.
24	St.	St-Cu.	Nb: Cu: Ci.	10	9	9	9	8	10	I	k	j	k	k	h	●^{0}	...	...	...	...	●	o●^{0}, cp● *a* : cp● ●^{2} *p* : c, c●m$_0$ *n*.
25	St-Cu.	Cu: Ci.	Cu: St-Cu: A-Cu.	7	8	8	6	8	4	l	l	l	l	k	k	...	...	...	...	...	...	ci●^{2} early *a* : c, bc *p* : cp●^{0}, bc *n*.
26	St-Cu: A-Cu.	Cu: St-Cu: A-St.	Cu-Nb: A-Cu: Ci.	8	10	9	8	9	7	k	j	l	m	l	j	...	●	...	...	...	...	c, c● *a* : cp●^{0}, cy ⊤ *p* : cp●^{0}, bc *n*.
27	Nb: Cu: A-St.	Cu: Nb.	Nb: A-Cu: A-St.	9	10	9	8	9	10	j	j	l	l	l	h	●	●	...	...	p●	●	ci●, i●^{2} *a* : cp●^{0} Kq*p* : p●, i●m$_0$ *n*.
28	St: St-Cu.	St: St-Cu.	Cu: St-Cu.	10	10	10	9	7	4	j	j	j	k	k	j	d$_0$	d$_0$	d$_0$	...	...	...	id$_0$ *a* : id$_0$, c●^{0}, bc *p* : bc *n*.
29	St-Cu: A-St:A-Cu	Nb: A-St.	Nb: A-St.	9	10	10	10	10	10	I	I	j	j	G	C	...	●	●	●^{0}	●^{0}	...	i●^{0}, ●m$_0$ *a* : c● ●^{0}m$_0$ *p* : c●^{0}m$_0$, oFe *n*
30	St.	St.	St.	10	10	10	10	10	10	G	h	h	h	h	C	d	d$_0$	d$_0$	...	d$_0$	...	oid$_0$m$_0$ *a and p* : oid$_0$m$_0$, oFe *n*.
31	St.	Cu: A-Cu: Ci.	Cu: Ci-Cu: Ci.	10	10	9	9	7	9	j	k	l	l	l	h	...	●^{0}	...	...	...	●	o, c●^{0} *a* : c, bc *p* : bc, c⊤, ●m$_0$ *n*.
Mean Cloud Am'nt.				8·7	8·4	8·6	8·2	7·8	8·2													

260. Eskdalemuir. August, 1932.

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-Cu.	St-Cu.	Cu: St-Cu.	10	10	10	10	7	8	m	l	l	k	l	l	...	...	...	d$_0$	...	...	c *a* : cd$_0$, cp●^{0}, bc *p* : bc, c *n*.
2	St.	Cu: A-St.	St.	10	9	10	9	10	10	j	k	k	m	j	h	...	...	...	...	d$_0$	d$_0$	o, c *a* : c, cid$_0$ *p* : cid$_0$, od$_0$m$_0$ *n*.
3	St-Cu: A-St: Ci.	St-Cu.	St-Cu.	9	9	9	8	9	7	l	k	k	k	k	k	...	...	...	...	...	...	c *a* : cp●^{0}, c *p* : c, bc ⌓ *n*.
4	St-Cu.	Cu.	Cu: Ci.	9	9	8	4	3	9	j	k	l	l	l	l	...	...	...	p●^{0}	...	...	cp●^{2} *a* : cp●^{0}, bcy *p* : bc, c *n*.
5	St-Cu: A-St.	St-Cu: A-St.	St: A-St.	10	10	9	10	10	10	l	k	k	k	h	F	...	...	...	...	d$_0$	d$_0$	c *a* : c, cid$_0$m$_0$ *p* : cid$_0$m$_0$, od$_0$m$_0$ *n*.
6	St.	St-Cu.	St-Cu.	10	10	9	10	9	10	I	I	k	j	k	j	d$_0$	d	...	...	...	...	oid$_0$m$_0$, p●^{0}q *a* : cp● *p* : c, cp●^{0} *n*.
7	St-Cu.	St-Cu.	St-Cu: Ci.	4	9	7	8	8	9	l	l	l	l	l	l	...	...	...	...	...	...	c, bc *a* : bc, c *p* : c *n*.
8	St.	Cu: St-Cu.	St-Cu: A-Cu.	10	10	7	10	10	10	h	G	l	l	k	F	...	d$_0$	...	...	...	d	odd$_0$m$_0$, bc *a* : bc, cp●^{0} *p* : c, odm *n*.
9	St: St-Cu.	Cu: Ci-Cu: Ci.	Cu: Ci.	10	8	4	2	4	7	j	k	m	m	l	l	...	...	...	...	...	...	c, bc *a* : by, bc *p* : bc *n*.
10	St-Cu.	St: St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	k	j	j	i	d$_0$	...	...	...	...	...	cid$_0$, c *a* : c, cid$_0$ *p* : c, cm$_0$ *n*.
11	St.	Cu: Ci.	Ci.	10	9	7	7	8	9	h	j	k	k	j	I	...	...	...	...	...	...	om$_0$, bcy ⊕, *a* : bcy ⊕, *p* : cm$_0$ c ☈● *n*.
12	St.	Cu: Ci.	Cu: St-Cu: A-St.	10	10	8	9	9	10	E	I	k	k	j	h	●^{0}	...	...	...	...	...	o●^{0}f, c *a* : cp●^{0}, c *p* : cp●^{0}, cm$_0$ *n*.
13	St-Cu.	Cu: St-Cu.	St: St-Cu: A-Cu.	9	9	8	9	9	9	j	l	l	l	j	j	...	...	...	...	...	...	ci●^{0} early, c *a* : c cid$_0$m$_0$ *p* : cid$_0$, c *n*.
14	St: A-St: A-Cu.	St-Cu: A-St.	St: St-Cu: A-St.	9	10	10	10	10	10	k	k	j	j	j	G	...	●^{0}	...	...	...	d$_0$	c●^{0}, i●^{0}, c *a* : c *p* : c, oid$_0$m$_0$ *n*.
15	St: St-Cu.	St-Cu.	St-Cu:A-St: A-Cu.	10	10	10	10	10	10	j	k	k	l	l	j	d$_0$	...	...	...	...	...	cid$_0$, c *a* : c *p* : c ⌓ *n*.
16	St.	St-Cu: A-St.	St-Cu: Ci.	10	10	10	10	10	10	G	h	I	j	I	G	...	...	...	...	...	...	om$_0$, cm$_0$ *a* : cm$_0$, c *p* : cm$_0$, om$_0$ *n*.
17	St.	Cu: Ci-Cu: Ci.	Cu: St-Cu: Ci.	10	10	7	9	9	9	F	h	l	k	k	k	d$_0$	d$_0$	...	...	...	...	od$_0$, cd$_0$m$_0$, bc *a* : bc, c *p* : c *n*.
18	St-Cu: A-Cu: Ci.	St-Cu: A-St: A-Cu.	St-Cu: A-Cu: Ci.	9	9	9	10	9	6	k	k	k	l	k	k	...	...	...	...	...	...	c *a* : c, cp●^{0} *p* : c, bc ⌓ *n*.
19	St-Cu: A-St.	St-Cu: A-St.	St-Cu.	10	10	10	10	10	6	j	I	I	I	I	h	...	...	...	...	...	...	c, cm$_0$ *a* : cm$_0$ *p* : cm$_0$. bc ⌓ m$_0$ *n*.
20	St: St-Cu.	St-Cu: Ci-St.	St-Cu: A-Cu: Ci.	10	10	9	10	9	10	k	k	k	k	k	k	...	...	...	...	...	●^{0}	c *a* : c, c⊤ *p* : c⊤, c ☈●^{0} *n*.
21	Nb.	Nb: A-St.	Nb: A-St.	10	10	10	10	10	10	k	k	k	k	k	k	●	●	●	●	...	●	c● *a* : c●, c *p* : c, c● *n*.
22	Cu: A-Cu: Ci.	St-Cu.	St-Cu.	4	3	9	9	10	10	l	l	l	l	l	k	...	...	...	...	...	...	bc, c *a* : c *p and n*.
23	St-Cu: A-Cu: Ci.	St-Cu.	St-Cu: Ci.	8	8	9	8	9	1	l	l	l	l	l	l	...	...	...	...	...	...	c, cy *a* : cy, c *p* : c, bc, b ⌓ *n*.
24	Ci.	A-Cu: Ci.	Ci.	5	2	1	1	4	2	k	k	l	l	I	i	...	...	...	...	...	...	by *a* : by, bcyz$_0$ *p* : bcyz$_0$, bm$_0$ ⌓ *n*.
25	St.	St-Cu.	St-Cu.	9	10	10	10	10	10	I	I	k	j	j	j	...	...	...	...	...	...	c ⌓m$_0$, cp●^{0}, c *a* : c *p and n*.
26	St-Cu.	St-Cu.	A-St. A-Cu.	10	10	10	9	10	10	k	k	l	l	k	k	...	...	...	...	...	...	c *a*, *p and n*.
27	St-Cu.	Cu: St-Cu.	Cu:Ci.	10	9	5	5	1	0	G	I	l	l	l	l	●^{0}	...	...	...	...	...	c●^{0}m$_0$, bcy *a* : bcy, b *p* : b ⌓ *n*.
28	A-Cu: Ci.	Cu: St-Cu: Ci-St.	Cu: St-Cu: A-St.	9	8	9	10	10	10	k	k	k	k	k	j	...	...	...	...	...	...	c ⌓ ⊕, c *a* : c *p and n*.
29	St-Cu: A-St.	St-Cu: A-St.	St-Cu.	10	10	10	10	10	10	j	j	I	j	j	j	...	...	...	...	...	●	c, cp●^{0}, cm$_0$ *a* : c *p* : c, c● *n*.
30	St-Cu.	St-Cu: A-St.	Cu: St-Cu.	10	10	10	9	9	2	j	I	j	l	l	k	●^{0}	●^{0}	i●	...	...	...	c●^{0}, i● *a* : ci●^{2}, bc *p* : c, bc, b *n*.
31	St-Cu: A-Cu: Ci.	Cu: St-Cu.	Cu: St-Cu:	6	5	9	9	9	9	l	k	l	l	l	k	...	...	p●^{0}	...	...	...	bc ⌓, cp●^{0} *a* : cp●^{0}, c *p* : c *n*.
Mean Cloud Am'nt.				9·0	8·9	8·5	8·5	8·5	8·2													

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

261. Eskdalemuir. **September, 1932.**

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	Nb.	St.	Nb.	10	10	10	10	10	10	G	h	G	G	h	G	●^{0}	●	...	●	●^{0}	●^{0}	o●^{0}●, if, o●m$_0$ *a* : o● ●^{0}m$_0$ *p* : o●m$_0$ *n*.
2	St-Cu: A-St:A-Cu.	Cu: St-Cu: A-St.	St.	9	9	10	10	10	6	k	k	k	j	G	k	...	p●^{0}	...	●^{0}	d$_0$	...	c, cp●^{0} *a* : i●, cd$_0$m$_0$ *p* : cid$_0$m$_0$, bc ⌓ *n*.
3	St: St-Cu.	Cu: Nb.	Cu: Nb.	9	10	8	5	7	2	j	I	k	k	k	k	p●^{0}	i●	i●	...	...	...	ci● *a* : cp●, *p* : bcp●, b *n*.
4	St: St-Cu.	St: St-Cu.	St-Cu: A-St.	9	8	10	10	10	10	j	k	k	k	k	i	p●	...	...	...	...	...	ci● *a* : cp●, c *p* : cp●^{0}, cm$_0$ *n*.
5	St-Cu.	St-Cu: A-St.	St: A-St.	10	9	10	10	10	10	j	k	j	j	h	g	...	...	...	●^{0}	d	d	c, cp●^{0} *a* : ci●^{0}, cdm *p* : cdm$_0$ *n*.
6	St.	St-Cu: A-St.	Cu: St-Cu.	10	10	10	9	8	5	F	j	k	k	k	k	d	d$_0$	...	...	p●	...	id$_0$, i●^{0} *a* : cp●^{2}, p● *p* : cp● K *n*.
7	St-Cu.	St-Cu.	Cu: Ci-St.	9	10	7	5	6	10	j	j	k	k	k	i	...	...	...	...	...	●	cp● *a* : bc *p* : bc, c●m$_0$ *n*.
8	St: St-Cu.	Nb: A-St.	St-Cu:A-St:A-Cu.	9	9	10	10	9	9	j	j	I	I	j	j	...	...	●	●	...	...	p●^{0}, ●^{0}●m$_0$ *a* : i●^{2}, c● *p* : c *n*.
9	St-Cu: A-Cu.	Cu: St-Cu.	St.	8	2	8	10	10	10	k	k	j	j	I	i	...	...	...	...	...	i●^{0}	c ⌓, b ⌓ *a* : ci●^{0}, cm$_0$ *p* : ci●^{0}m$_0$ *n*.
10	Nb: A-St.	Cu: Cu-Nb: Ci.	Cu: St-Cu: Ci.	10	9	6	6	5	9	G	I	m	m	m	k	●	d$_0$	...	...	...	p●^{0}	c●, id$_0$m$_0$ ⌒ *a* : bcy () p● ⌒ *p* : bcy (), cp●^{0}*n*
11	Nb: A-St.	Cu.	Cu: Ci.	10	7	8	6	6	6	I	l	l	l	l	l	●	...	...	...	...	...	c●m$_0$, cp● *a* : cp●q *p* : bcp●^{0} *n*.
12	Cu: St-Cu.	Cu:	Cu: Ci.	9	8	6	3	1	10	l	l	l	m	l	k	p●^{0}	...	...	...	...	...	cp●^{0} *a* : cp●^{0}, *p* : c ◫ *n*.
13	St: St-Cu:A-St.	St-Cu:	St.	10	10	10	10	10	10	j	j	j	h	h	i	d$_0$	d$_0$	...	●	d$_0$	d$_0$	cd$_0$ *a* : o● ●^{2}, od$_0$m$_0$ *p* : odd$_0$, i● *n*.
14	St-Cu:	St-Cu: A-Cu.	Nb: A-St.	10	9	7	8	9	10	k	k	k	k	k	d	...	...	...	...	●^{0}	...	c, bc *a* : c●^{0} *p* : c●^{0}, od$_0$f *n*.
15	St.	St-Cu.	St-Cu.	10	10	10	7	10	10	G	h	j	k	k	i	...	...	...	...	...	...	of early, om$_0$, c *a* : c *p* : c, cm$_0$ *n*.
16	St-Cu.	St-Cu.	St-Cu: A-Cu.	9	5	9	9	9	10	I	j	k	j	j	i	...	...	...	...	...	...	cm$_0$, bc, c *a* : c *p* : cm$_0$ *n*.
17	St-Cu.	St-Cu.	St-Cu: Ci-Cu.	10	10	10	10	7	9	G	h	k	k	l	j	...	...	...	...	...	...	cm$_0$ ⌓ *a* : c, bc *p* : bc, c *n*.
18	St-Cu: Ci.	Cu: Ci-St.	Cu: Ci.	9	9	10	8	3	7	l	l	l	l	m	l	...	...	...	...	...	...	cp●^{0} early, cy ⊕ *a* : cy ⊕, cp●^{0} *p* : bc *n*.
19	A-Cu: Ci.	Cu.	Cu.	5	1	7	7	1	1	m	m	l	m	l	k	...	...	...	...	...	...	bc ⌓, by, bcy *a* : bcy, b *p* : b, b ⊔ *n*.
20	Ci.	Cu.	Cu: St-Cu.	1	1	2	3	1	1	m	m	m	m	m	k	...	...	...	...	...	...	b ⊔, by *a* : by, bcy *p* : by, b ⊔ *n*.
21	Ci-St.	Cu.	Ci.	1	1	1	1	5	0	m	m	m	m	m	k	...	...	...	...	...	...	b ⊔, by *a* : by, bc *p* : bc, b ⊔ *n*.
22	St-Cu: Ci-St: Ci.	Cu: Ci-St: Ci.	A-St: A-Cu.	9	4	6	8	9	3	j	j	j	k	k	j	...	...	...	...	...	...	c ⊔, bc ⌓ *a* : bc, cy *p* : c, bc ⌓ *n*.
23	St-Cu: A-Cu.	St-Cu.	St-Cu: A-St: A-Cu.	9	9	9	9	9	1	k	k	j	k	l	j	...	...	i●	...	...	...	c ⊔, ci● *a* : ci●, c *p* : c, b ⌓ *n*.
24	St: A-St.	Cu: A-Cu: Ci.	Nb.	10	9	9	10	10	8	k	I	l	k	j	l	id$_0$	...	...	●	●	...	cid$_0$, ●^{0}, m$_0$ *a* : c● *p* : c●, c *n*.
25	St-Cu.	Cu: St-Cu.	Cu: A-Cu: Ci.	9	9	7	8	8	3	k	j	k	k	k	l	...	...	...	...	...	...	cp● *a* : bcp●, p●^{2} *p* : c, bc ♕ glow *n*.
26	St-Cu: Ci.	St-Cu: A-Cu: Ci.	Cu: A-Cu: Ci.	9	10	8	5	2	6	k	j	l	l	l	l	...	●	...	...	...	...	ci● *a* : c, bcy, b *p* : b, bc *n*.
27	Cu: St-Cu:A-Cu.	St-Cu.	St-Cu: Ci-Cu. Ci.	1	1	7	6	7	1	l	l	l	l	l	l	...	...	...	...	...	...	b, bcy *a* : bcy *p* : bc, b ⌓ *n*.
28	St-Cu.	St-Cu.	St-Cu.	8	4	7	10	10	10	l	l	k	k	k	k	...	...	...	...	...	...	c ⊔, bc *a* : bc, c *p* : c *n*.
29	St.	Ci.	...	5	0	4	3	0	2	D	D	j	j	I	i	...	...	...	...	...	...	bcf *a* : bcy, z *p* : bz$_0$, bm$_0$ *n*.
30	St.	St-Cu: A-St.	St-Cu: Nb. A-St.	10	10	10	10	10	10	h	h	I	G	I	i	...	d$_0$	d$_0$	i●	●	●	cid$_0$m$_0$ *a* : ci●^{0}, c●m$_0$ *p* : c●m$_0$ *n*.
Mean Cloud Am'nt.				8·2	7·1	7·9	7·5	7·1	6·6													

262. Eskdalemuir. **October, 1932.**

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-Cu:	Cu: St-Cu.	Cu: Ci-St: Ci.	9	1	6	4	2	8	l	k	k	l	l	k	...	...	...	...	...	...	c, bcy *a* : bcy, b *p* : b, c ⌓ *n*.
2	Nb: Cu: Ci.	Cu: Cu-Nb:St-Cu.	Cu: St-Cu.	6	3	4	6	2	2	l	k	l	l	l	k	...	...	...	...	...	...	c● early, bcy *a* : bcy, b *p* : b, b ⌓ *n*.
3	St-Cu.	Cu.	Cu: St-Cu.	9	7	6	2	2	0	k	l	l	m	l	k	p●^{0}	...	...	...	...	...	cp●^{0}, bc *a* : bc, b *p* : b, b ⊔ *n*.
4	St-Cu: A-Cu:Ci.	St-Cu: Ci-St.	St-Cu: Ci-St.	6	9	10	10	10	9	k	k	k	k	k	k	...	...	...	...	...	...	bc ⊔, c ⊕ *a* : c *p* and *n*.
5	St.	St-Cu: A-St.	St-Cu.	10	9	9	9	10	10	I	k	k	l	I	i	...	...	i●^{0}	...	...	●	om$_0$, ci●^{0} *a* : ci●^{0}, c *p* : ci●m$_0$ *n*.
6	Nb.	Nb: A-St.	Nb. A-St.	10	10	10	10	10	10	I	j	h	h	I	h	d$_0$	...	d	●	...	●	idm$_0$ *a* : cdm$_0$, c● ●^{2}m$_0$ *p* : c, c●m$_0$ *n*.
7	Nb: St-Cu:Ci-St.	St-Cu.	Nb: A-St.	10	10	10	10	10	10	j	h	l	k	I	h	...	d	...	●	●	●^{0}	cd, c●m$_0$ *a* : c●m$_0$ *p* : c● ●^{0}m$_0$ *n*.
8	St: A-St.	Nb.	Nb: A-St.	10	10	10	10	10	10	j	l	j	I	h	h	...	●^{0}	●	●	●	●	c●^{0}● *a* : c●, i●^{2}m$_0$ *p* : c●m$_0$ *n*.
9	St.	Cu.	St-Cu.'	10	10	7	7	5	1	D	j	l	l	l	l	...	...	...	...	...	...	ofe *a* : bcp●^{0} *p* : bc, b *n*.
10	Nb. A-St.	St-Cu: Ci-St:Ci.	Nb. A-St.	10	9	8	9	10	7	I	j	k	k	j	j	●	...	...	p●^{0}	●	...	c●m$_0$, p● *a* : p●^{0} *p* : p●, bc *n*.
11	Nb: A-St.	Cu.	Cu.	10	5	2	1	2	7	I	j	k	k	j	I	●	...	...	...	...	...	c●m$_0$, bc, b *a* : b *p* : b, bcm$_0$ *n*.
12	St.	St.	Nb.	10	10	10	10	10	4	G	F	G	I	I	l	...	...	...	●^{0}	●	...	om$_0$ *a* : ci●^{0}, o●m$_0$, *p* : o●m$_0$, bc *n*.
13	Nb.	Cu: Cu-Nb: St-Cu.	Cu: St-Cu.	10	9	9	9	4	1	j	l	l	k	l	m	●	...	...	p●▲	...	...	i●, p●▲ *a* : p▲^{0}, p●▲, *p* : bc, b *n*.
14	Cu: St-Cu.	St-Cu.	Cu: St-Cu.	2	5	9	9	8	7	l	l	l	l	j	k	...	...	...	...	...	...	b ⊔ *a* : c, cp●^{0} *p* : c, bc *n*.
15	St-Cu: A-Cu:Ci.	Cu: Ci.	Nb: A-St.	7	3	4	10	10	10	m	m	l	l	k	j	...	...	...	...	●^{0}	●^{0}	bcy *a* : bcy, c, c●^{0} *p* : ci●^{0} *n*.
16	St-Cu: A-St.	St-Cu: A-St.	Nb.	10	9	10	9	10	10	k	k	l	k	G	k	...	...	...	●^{0}	d	...	cq *a* : c●^{0}, odm$_0$ *p* : od$_0$m$_0$, c *n*.
17	St-Cu.	St-Cu:	St: A-St.	4	6	9	10	10	10	l	l	l	l	j	h	...	...	...	...	...	●^{2}	bc, c *a* : ci●^{0} *p* : o●^{2}m$_0$ *n*.
18	St-Cu: Ci.	Cu.	Cu.	3	6	4	4	3	1	l	l	l	l	l	l	...	...	p●^{0}	...	...	...	o●^{2} early, cp✱^{0}, *a* : bcy *p*●^{0} *p* : bc, b *n*.
19	St-Cu.	St-Cu: A-St.	Nb.	1	9	10	10	10	10	l	l	k	k	I	G	...	...	...	...	●	●	b ⊔, c *a* : c, c●m$_0$ *p* : c●m$_0$ *n*.
20	St-Cu.	Cu-Nb: Ci.	A-St.	10	9	7	2	10	10	j	j	k	l	k	j	...	...	...	...	...	...	c●, cp●^{2}▲^{2} ⌒ *a* : bc, b, c *p* : c ♕ *n*.
21	St-Cu.	Cu: St-Cu:Ci-St.	St-Cu.	9	9	9	10	8	9	k	k	k	k	j	j	...	...	...	...	...	...	ci●^{0} early, c *a* : c *p* and *n*.
22	Nb: A-St.	St-Cu.	Cu-Nb:St-Cu: Ci.	10	10	9	9	9	3	I	G	j	k	k	k	●	d	...	...	p●	...	●m$_0$, odm$_0$ *a* : cid$_0$ *p* : cp●, bc *n*.
23	St-Cu.	St-Cu.	St-Cu.	9	9	10	9	5	1	j•	j	j	j	k	k	...	...	p●^{0}	●	...	...	p● *a* : c●, bc *p* : bc, b ⊔ ≡ *n*.
24	St.	Cu: Cu-Nb.	Cu.	10	4	5	1	1	4	G	D	l	k	I	I	...	...	...	...	...	...	of, bcf *a* : b, b ⌓ *p* : b ⌓, bcm$_0$ *n*.
25	St.	Nb.	St-Cu: A-Cu.	10	10	10	10	6	2	G	E	I	I	h	h	d$_0$	d$_0$	●	●	...	...	d$_0$m$_0$, d$_0$f, ●m$_0$ *a* : o●m$_0$, bcm$_0$ *p* : bm$_0$ *n*.
26	St: St-Cu.	Cu: St-Cu: Ci.	St-Cu.	9	9	9	9	9	9	j	I	l	k	k	j	...	...	...	p●	...	p●^{0}	c ⌒ *a* : p● *p* : cp●q *n*.
27	St-Cu.	St-Cu.	St-Cu: Ci-St.	9	9	10	7	10	9	k	m	j	k	j	j	...	...	...	...	p●^{0}	...	p● early, c (), ●^{0} *a* : p●^{0} *p* : cp●, c *n*.
28	St-Cu.	Cu.	St-Cu.	1	1	4	2	1	0	l	k	k	l	k	k	...	...	...	...	...	...	b ⊔, bcy *a* : bcy, b *p* : b *n*.
29	St: A-St.	Nb.	St.	9	10	10	10	10	10	k	I	F	F	F	F	...	✱^{0}	✱	✱^{0}	...	d$_0$	c, o✱^{0}, o✱m$_0$ *a* : o✱m *p* : od$_0$ *n*.
30	St-Ci.	St: A-St:A-Cu.	Nb.	8	9	9	9	10	6	k	I	j	j	h	j	...	...	...	...	●^{0}	...	c *a* : c, cp●^{0}, o●^{0} *p* : i●^{0}, c *n*.
31	St.	Cu.	St: A-St: Ci.	7	9	3	6	8	9	k	j	k	k	j	j	p●^{0}	p●^{0}	...	...	...	d$_0$	cp●^{0} *a* : bc, cp● *p* : i●^{0}, d$_0$ *n*.
Mean Cloud Am'nt.				8·0	7·7	7·8	7·5	7·3	6·4													

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

263. Eskdalemuir. November, 1932.

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	Cu: St-Cu:	St: St-Cu.	10	10	9	9	5	5	G	G	j	k	j	j	●^{0}	d$_0$	...	p●^{0}	...	...	oi●^{0}, od$_0$, o●m$_0$ *a* : c, cp●^{0} *p* : bc *n*.
2	St: A-Cu:Ci-St.	Nb: Cu: St-Cu:	Nb: A-St.	9	10	10	9	10	10	j	j	k	j	j	j	...	●^{0}	...	●^{0}	●^{0}	●^{0}	c, c● *a* : ci●^{0}, o●^{0} *p* : oi●^{0} *n*.
3	St.	St.	Nb.	10	10	10	10	10	10	I	I	h	h	h	G	d$_0$	d$_0$	d	...	d	d	odm$_0$ *a* : oid, odm$_0$ *p* : odm$_0$ *n*.
4	St: A-St: Ci-St	Cu: A-Cu: Ci.	St-Cu.	9	8	8	8	6	1	k	k	m	k	k	k	...	...	...	...	...	...	o● early, c *a* : c, bc *p* : bc b *n*.
5	...	Fr-Cu: Ci	...	0	0	1	0	0	0	l	l	m	m	l	k	...	...	...	...	...	...	b⊔, by *a* : by, b⊔ *p* : b⊔ *n*
6	St-Cu.	Ci.	...	10	2	3	1	0	2	k	k	k	k	j	j	...	...	...	...	...	...	c⊔, b⊔, *a* : bc, b⊔ *p* : b⊔ *n*.
7	St-Cu.	St-Cu.	St-Cu.	8	8	9	10	10	10	G	G	j	k	j	j	...	...	...	...	...	...	c⊔ m$_0$, c *a* : c *p and n*.
8	St-Cu:	St-Cu:	St-Cu.	10	10	10	10	10	9	h	j	I	I	I	j	...	...	...	...	...	...	cm$_0$, o *a* : ci●^{0}m$_0$ *p* : cm$_0$, cp●^{0} *n*.
9	St-Cu.	St-Cu.	St-Cu.	8	9	10	7	6	10	l	k	k	l	k	j	...	...	...	...	...	...	cp●^{0} *a* : bc *p* : b⊔, c⊔ *n*.
10	St-Cu.	...	...	9	0	0	0	0	0	h	I	h	I	G	G	...	...	...	...	...	...	b⊔ m$_0$, bif *a* : bm$_0$⊔ *p* : b⊔ m$_0$ *n*.
11	Ci.	St-Cu.	St-Cu.	1	4	9	6	4	3	h	h	I	I	I	I	...	...	...	...	...	...	b⊔ m$_0$ *a* : cm$_0$, bcm$_0$ *p* : bcm$_0$ *n*.
12	St: A-St.	St-Cu.	St.	10	10	10	9	10	10	h	h	I	I	I	I	d$_0$	d$_0$	d$_0$	...	d$_0$	d$_0$	cd$_0$dm$_0$ *a* : oid$_0$, *p* : cid$_0$ *n*.
13	St: St-Cu.	St-Cu: Ci.	St-Cu.	7	7	5	7	9	8	I	j	j	j	j	j	...	...	...	...	...	...	bc *a* : bc, c *p* : c *n*.
14	St.	St-Cu.	St: St-Cu.	10	9	10	10	10	10	j	j	j	j	j	I	...	...	...	d$_0$	...	d$_0$	o, c *a* : c, cid$_0$ *p* : c, od$_0$m$_0$ *n*.
15	St: St-Cu.	St-Cu.	Nb.	10	10	10	10	10	10	I	j	k	k	h	h	d$_0$	...	d$_0$	...	●^{0}	d	oid$_0$ *a* : cid$_0$, o●^{0} *p* : od, o●^{0} *n*.
16	St.	St-Cu.	St-Cu.	9	9	10	10	9	9	I	k	k	l	l	j	d$_0$	...	...	...	...	...	cd$_0$, c *a* : c *p* : cd$_0$, c *n*.
17	St.	St: St-Cu.	St-Cu.	10	10	10	10	10	10	G	k	j	j	j	j	d$_0$	...	...	...	...	...	od$_0$, cid$_0$ *a* : c *p and n*.
18	St-Cu.	St: St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	j	j	j	j	...	...	...	...	...	...	c *a*, *p and n*.
19	St: St-Cu.	Cu: A-Cu: Ci.	St: St-Cu:	9	8	4	2	10	10	I	I	j	j	h	h	...	...	...	...	...	...	cm$_0$, bc *a* : bc, b, cm$_0$ *p* : cm$_0$ *n*.
20	St.	St-Cu: A-St.	Cu: St-Cu.	10	10	10	8	5	2	D	h	k	k	k	k	...	d$_0$	...	p●▲	...	...	ofe, cd, c●m$_0$ *a* : cp●▲, bc *p* : bc, b *n*.
21	St: A-St.	Cu: St-Cu.	Cu: St-Cu.	10	5	5	9	6	3	h	j	k	l	l	k	✱	...	...	...	...	...	cp✱m$_0$, bc *a* : bc, c *p* : c, bc *n*.
22	St.	Nb⌐	Cu.	10	10	10	4	2	7	h	G	G	k	k	j	d$_0$	●	●	...	...	...	oid$_0$, o●m$_0$ *a* : o●m$_0$ ⟋ш *p* : cp ✱ *n*.
23	St-Cu.	Nb: Cu-Nb.	Cu.	5	5	3	1	2	1	j	k	k	k	k	k	...	...	...	...	...	...	cp✱ ✳ *a* : cp✳q, *p* : b, bcp✳ ⟨ *n*.
24	Cu.	Cu: A-Cu.	Cu: St-Cu.	4	10	4	8	5	10	k	G	k	k	k	j	...	✳	...	...	...	✱^{0}	op✳m$_0$, p✱ *a* : cp✱^{0} *p* : bc, c✱ *n*.
25	St-Cu.	St.	St.	4	9	10	10	10	10	k	k	h	G	G	f	...	...	d$_0$	d$_0$	●^{0}	●^{0}	cp✱ early, bc⊔, oid$_0$m$_0$ *a* : o●^{0}m$_0$ *p* : o●^{0}m$_0$ *n*
26	Nb.	St-Cu.	Cu: St-Cu.	10	9	10	9	8	10	h	j	j	j	j	j	d	...	...	p●^{0}	p●	p●	cdm$_0$, ci●^{0} *a* : cp●▲q *p* : cp● ⟋ш *n*.
27	St-Cu.	St-Cu: A-St: Ci.	St-Cu.	10	10	8	7	1	0	j	j	m	m	l	l	...	●	...	p●^{0}	...	...	●, c() *a* : c(), bcp✱, b *p* : b *n*.
28	St-Cu.	St-Cu.	St.	8	9	10	10	10	10	l	l	j	G	g	g	...	...	...	d	d$_0$	...	c⊔, c *a* : c, od$_0$m$_0$ *p* : od$_0$m$_0$ *n*.
29	St-Cu: A-St.	St-Cu.	St.	10	10	10	10	10	10	j	j	j	j	h	h	●^{0}	●^{0}	...	...	d	●^{2}	ci●^{0} *a* : ci●^{0}, odm$_0$ *p* : od, o●^{2} ⟋ш *n*.
30	Ci-St.	St-Cu: A-Cu:A-St.	St-Cu.	10	10	9	9	4	0	k	I	l	l	i	●	...	...	...	...	...	...	c⊔ *a* : ci●^{0}m$_0$, bcm$_0$ *p* : of, bf⊔ *n*.
Mean Cloud Am'nt.				8·3	8·0	7·9	7·4	6·7	6·7													

264. Eskdalemuir. December, 1932.

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St: A-St.	Cu.	St.	8	8	1	1	7	9	j	l	l	l	l	l	...	...	...	...	p✱^{0}	...	c● early, c, b *a* : b, bc⊔, cp✱^{0} *p* : bc⊔, c⊔ *n*.
2	Nb.	Cu: St-Cu.	St.	10	10	4	6	9	10	h	h	k	k	k	k	●	●^{0}	...	...	p●	...	o●, ci●, bc *a* : bcp● *p* : o●, cꓘ✱, c *n*.
3	St.	St-Cu.	St: A-St:Ci-St.	9	10	9	7	9	1	h	h	l	l	l	l	p✱^{0}	✱	...	...	...	...	ꓘ ⧆ ci✱ *a* : cp✱^{0} *p* : c, bc, b⊔ *n*.
4	St.	Cu: A-St.	St: A-St:Ci-St.	1	7	9	9	9	9	l	l	l	l	l	l	...	...	...	...	...	...	b⊔, bc, c *a* : c *p* : cp✱^{0}, c *n*.
5	St.	Cu: St-Cu.	...	2	3	3	1	0	0	l	l	k	l	l	l	...	...	...	...	...	...	cp● early, bc⊔, *a* : bc, b *p* : b⊔ *n*.
6	St.	Cu: St-Cu.	St-Cu.	3	3	1	1	3	5	l	l	j	l	l	l	...	...	...	...	...	...	b⊔ *a* : b, bc⊔ *p* : bc⊔ p✱^{0} *n*.
7	St.	St-Cu.	St-Cu.	8	6	1	1	1	8	h	h	k	k	k	k	p✱^{0}	...	...	...	...	...	cp✱^{0}, bc, b *a* : b *p* : b, bc, c⊔ *n*.
8	St-Cu.	St-Cu.	St-Cu.	3	9	1	1	1	8	k	k	l	j	I	j	...	...	...	...	...	...	c⊔, b *a* : b⊔ m$_0$ *p* : p✳^{0}, c⊔ m$_0$ *n*.
9	St-Cu.	St-Cu.	St-Cu.	9	9	9	9	10	9	j	j	j	k	h	I	...	...	d$_0$	...	d$_0$	...	c⊔, cp✱^{0}, cd$_0$ *a* : cd$_0$, cp✱^{0} *p* : cid$_0$m$_0$ *n*.
10	St: St-Cu.	St-Cu.	St-Cu.	9	9	9	9	9	9	j	l	l	k	k	k	...	...	...	...	...	...	c, cp●^{0} *a* : cid$_0$ *p* : cid$_0$ *n*.
11	St-Cu.	St-Cu.	St-Cu.	10	9	10	10	9	9	j	k	k	k	k	k	...	...	...	...	...	...	cid$_0$, c *a* : c *p ant n*.
12	St-Cu: A-St.	St-Cu: Ci.	St-Cu.	10	9	8	2	9	9	j	k	j	G	G	G	...	...	...	...	...	...	c *a* : c, bcm$_0$, cm$_0$ *p* : cm$_0$ *n*.
13	St-Cu.	St: Ci.	St.	5	9	8	10	10	10	G	h	I	E	G	h	...	...	...	...	...	✱	bcm$_0$⊔ *a* : of, om$_0$ *p* : o✱m$_0$ *n*.
14	Nb.	St-Cu.	Nb.	10	10	9	9	10	10	F	C	I	I	G	G	●	...	...	...	●	●	o●f, oF, cm$_0$ *a* : cm$_0$, o●m$_0$ *p* : o●m$_0$ *n*.
15	Nb.	St-Cu.	St-Cu.	10	10	10	9	4	10	h	h	j	j	k	j	●	●	...	...	...	...	o●m$_0$, c *a* : c, bc *p* : bc, c *n*.
16	Nb: St-Cu.	Nb.	Nb.	10	10	10	10	10	10	h	G	G	G	h	G	●^{0}	●	●	●^{2}	●	d$_0$	c●^{0}, o●m$_0$ ⟋ш *a* : o●^{2}q, ●m$_0$ *p* : o●m$_0$, od$_0$m$_0$ *n*.
17	St.	St.	Nb.	10	10	10	10	10	10	D	F	F	F	F	G	d$_2$	d	d	●	●	●	od$_2$f, odm *a* : odm, o●m ⟋ш *p* : o●^{2}● ⟋ш m$_0$ *n*.
18	St.	St.	St.	10	10	10	10	10	10	F	F	F	G	g	g	d$_0$	d	●	●	d	...	od$_0$m$_0$, o●m *a* : o●m, odm. ⟋ш *p* : odm$_0$ ⟋ш *n*.
19	Nb.	St-Cu.	St-Cu.	10	10	10	10	10	10	G	h	k	k	j	j	●	●	●^{0}	...	...	●^{0}	o●m$_0$, o●^{0} *a* : ci●, c *p* : c, c●^{0} *n*.
20	Nb.	Nb: A-St.	Nb.	10	10	10	10	10	10	h	F	h	h	h	e	●	d	●^{0}	●^{0}	●^{0}	...	od, ci●^{0}m$_0$ *a* : oi●^{0}m$_0$ *p* : o●^{0}m$_0$, of *n*.
21	St: St-Cu.	Nb.	St-Cu.	9	7	10	10	8	4	h	h	k	j	j	j	...	...	●	●	...	...	c● early, bcm$_0$, c● *a* : ci● *p* : c, bc *n*.
22	St-Cu.	Cu.	St-Cu.	10	10	8	8	9	10	j	j	j	j	j	e	...	...	...	...	...	●	ci● early, p●^{0}, c *a* : cp●▲^{0} *p* : c, o●f *n*.
23	St.	Nb: A-St.	St-Cu.	10	10	10	10	9	9	G	G	I	j	j	j	●^{0}	●^{0}	●	●^{0}	...	...	o●^{0}, c●m$_0$ *a* : c●m$_0$, ci●^{0} *p* : c *n*.
24	St.	St.	St-Cu.	1	9	10	10	9	9	j	j	G	h	i	i	...	...	d	d$_0$	...	...	b, bc, cdm$_0$ *a* : cdm$_0$ *p* : cm$_0$ *n*.
25	St-Cu.	St-Cu.	St-Cu.	9	10	9	9	10	9	h	I	j	j	j	j	...	...	...	...	...	...	cm$_0$, c *a* : c *p and n*.
26	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	h	h	I	I	i	i	...	d$_0$	d$_0$	d$_0$	d$_0$	d$_0$	cm$_0$, cid$_0$m$_0$ *a* : cd$_0$m$_0$ *p* : cid$_0$m$_0$ *n*.
27	St.	St-Cu.	St-Cu.	10	10	10	10	10	10	f	D	h	I	h	i	d$_0$	d$_0$	d$_0$	...	...	...	od$_0$f, cd$_0$m$_0$ *a* : cdm$_0$ *p* : cm$_0$ *n*.
28	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	4	10	j	j	h	I	I	f	...	...	d$_0$	d$_0$	...	d	c, cd$_0$m$_0$ *a* : cd$_0$m$_0$ *p* : odm *n*.
29	St.	St-Cu.	St-Cu.	10	10	10	10	10	10	i	j	I	I	I	I	...	...	...	...	...	●	o● early, ci●^{0}, cm$_0$ *a* : ci● *p and n*.
30	St-Cu: A-St.	St.	St.	10	10	10	10	10	10	j	F	D	C	C	D	...	...	...	...	...	...	cm oF, of *a* : of, oF *p* : oF, of *n*.
31	St.	St-Cu:A-St: Ci.	Nb.	4	10	9	10	10	10	h	k	I	k	G	G	...	...	...	...	●^{0}	●^{0}	bc, c *a* : c, c●^{0} *p* : o●^{0} *n*.
Mean Cloud Am'nt.				8·1	8·9	8·0	7·8	8·0	8·6													
Mean Annual Cloud Am'nt.				7·9	7·9	7·9	7·7	7·3	7·0													
Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.

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. 1932.

Month.	JANUARY. Factor 5·92				FEBRUARY. Factor 6·10				MARCH. Factor 6·24			
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	Z-	80	25	105	120	150	390	410	115	120	260	265
2	90	105	-85	Z-	245	250	120	505	185	185	170	275
3	Z-	Z-	Z-	45	180	330	420	440	230	340	225	535
4	—	—	75	45	185	360	170	195	445	375	165	400
5	30	85	Z-	95	145	170	145	170	65	120	Z±	Z-
6	105	Z-	145	-40	170	200	150	610	170	Z+	Z+	790
7	70	-95	175	155	275	260	450	445	535	360	Z-	65
8	220	260	195	310	200	275	150	185	565	225	470	550
9	Z±	400	Z-	Z-	90	135	100	180	510	155	185	725
10	10	55	Z±	Z-	190	110	155	100	320	275	Z±	345
11	160	290	375	425	50	95	130	Z+	270	Z-	115	355
12	185	215	550	-285	75	90	95	155	225	415	270	435
13	-40	130	175	Z±	195	170	265	115	145	175	115	490
14	110	140	Z-	-60	260	200	160	370	230	250	185	425
15	-30	65	130	Z-	175	250	180	565	255	145	165	235
16	Z-	50	-260	Z-	290	205	140	320	135	180	205	205
17	Z-	170	180	75	220	305	365	560	-80	120	115	240
18	140	105	130	250	150	170	335	795	215	320	105	350
19	260	180	55	90	590	490	315	330	120	340	-15	Z-
20	120	120	180	115	135	100	200	415	Z-	185	90	Z-
21	135	90	260	—	325	175	295	475	Z-	Z-	320	415
22	—	—	—	—	275	250	305	270	Z-	Z-	-40	270
23	—	—	395	375	215	325	310	490	280	380	120	175
24	405	360	390	Z-	15	100	120	110	105	70	-65	50
25	150	100	170	345	120	95	50	Z-	340	295	175	230
26	225	220	430	575	15	130	105	115	280	255	215	230
27	390	325	320	260	65	115	205	490	90	260	-55	415
28	130	190	225	175	135	95	160	150	Z-	230	Z+	215
29	105	90	55	205	85	180	230	465	-55	85	-145	430
30	120	205	130	305	---	---	---	---	Z±	100	Z+	240
31	425	325	485	Z±	---	---	---	---	70	125	160	350
(a)	171	174	228	219	179	199	214	349	246	225	191	347
(b)	175	170	230	225	186	207	224	349	214	224	152	351
Mean.	(a) 198		(b) 200		(a) 235		(b) 241		(a) 252		(b) 235	

Month.	APRIL. Factor 6·23				MAY. Factor 6·17				JUNE. Factor 6·17			
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	175	250	-15	185	360	305	135	400	280	180	140	190
2	335	125	160	310	180	130	Z-	145	125	105	180	230
3	205	235	140	-250	65	100	200	145	225	60	90	190
4	75	120	150	220	70	80	95	185	120	85	120	280
5	120	160	170	45	120	Z-	Z+	Z+	145	120	120	230
6	45	410	125	130	140	190	140	360	140	70	125	190
7	Z+	35	Z+	215	315	235	Z-	25	110	130	80	115
8	230	150	210	190	100	155	165	215	115	55	130	200
9	225	Z-	Z-	25	155	45	135	350	370	95	170	295
10	90	Z±	70	170	240	105	135	335	180	195	120	300
11	105	180	85	215	80	105	100	120	120	100	80	280
12	145	145	220	80	165	230	Z-	Z-	205	160	95	80
13	—	300	100	40	210	Z-	215	360	165	95	205	460
14	Z-	Z-	Z-	230	235	135	145	275	270	350	155	170
15	160	Z-	Z-	215	35	70	190	105	175	120	230	300
16	155	180	120	145	-105	140	120	325	455	125	135	180
17	90	120	120	180	270	130	195	415	195	210	130	240
18	110	105	155	370	70	190	70	230	300	155	125	215
19	140	140	110	155	95	105	Z-	65	120	105	120	215
20	115	160	Z±	285	120	120	30	185	150	155	150	75
21	85	145	Z±	210	175	175	105	85	75	160	130	210
22	140	200	105	Z-	90	25	105	60	345	290	95	145
23	105	120	Z-	20	145	110	75	310	195	80	95	175
24	450	180	155	145	195	145	125	165	160	85	65	165
25	160	130	115	295	210	135	Z±	65	140	120	170	525
26	50	125	150	430	Z-	15	35	40	115	180	70	135
27	280	195	110	105	125	120	125	65	130	85	65	160
28	Z-	300	75	155	120	105	55	-15	210	Z±	105	150
29	30	250	225	330	160	45	95	75	135	105	195	95
30	95	75	175	105	120	200	130	135	110	30	335	-175
31	---	---	---	---	345	395	125	540	---	---	---	---
(a)	151	174	138	186	162	139	122	206	186	131	134	214
(b)	158	172	141	178	144	139	122	220	185	131	135	202
Mean	(a) 162		(b) 162		(a) 157		(b) 156		(a) 166		(b) 163	

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.

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

265. Eskdalemuir. **1932.**

MONTH.	JULY. Factor. 6·17				AUGUST. Factor. 6·17				SEPTEMBER. Factor. 6·18			
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	-515	165	140	250	255	110	40	120	110	Z-	Z-	160
2	125	150	165	180	155	295	70	200	215	100	100	145
3	265	185	130	210	295	90	85	265	150	Z-	Z-	210
4	Z±	295	Z±	90	170	195	-5	240	120	105	105	250
5	160	230	140	325	175	165	45	255	110	65	-25	275
6	325	175	75	290	300	160	90	195	110	315	110	225
7	175	175	135	380	175	110	135	225	370	40	115	240
8	85	265	80	135	335	---	160	170	Z-	280	Z-	280
9	100	310	---	325	345	360	150	360	110	120	125	190
10	380	240	---	525	205	100	120	160	40	65	90	110
11	80	200	-20	-15	150	155	195	370	Z-	65	70	145
12	45	50	95	210	320	220	125	180	65	125	40	290
13	110	Z±	325	95	195	160	75	380	155	155	75	-40
14	75	80	165	180	65	95	155	335	100	145	145	495
15	95	105	185	250	275	130	115	195	220	275	120	190
16	85	350	105	105	210	445	110	315	140	230	180	185
17	85	155	Z±	-65	280	105	140	150	45	145	85	205
18	95	145	165	225	255	160	205	220	---	135	180	195
19	240	120	135	200	---	-30	130	185	80	145	205	300
20	---	220	85	135	470	245	130	65	315	215	155	455
21	100	55	5	270	-370	50	-80	65	460	240	275	710
22	140	-25	115	165	45	160	130	140	95	180	225	350
23	80	100	145	250	110	105	110	400	495	380	95	255
24	---	---	Z-	Z±	495	295	180	175	105	190	55	Z±
25	Z±	175	125	210	515	290	140	160	215	150	Z-	385
26	250	65	Z+	95	85	80	135	245	165	Z-	215	235
27	-10	Z+	150	Z-	100	225	115	250	165	215	175	365
28	-805	55	-5	240	135	120	195	345	140	370	170	320
29	295	225	25	235	155	160	190	190	810	650	230	675
30	Z-	200	470	280	---	---	Z-	230	80	355	90	-195
31	240	Z-	140	Z-	115	180	165	245				
(a)	158	173	143	225	228	177	130	227	192	202	137	290
(b)	60	148	104	215	203	177	116	230	202	211	131	273
Mean.	(a) 175		(b) 132		(a) 191		(b) 181		(a) 205		(b) 204	

MONTH.	OCTOBER. Factor. 6·22				NOVEMBER. Factor. 6·29				DECEMBER. Factor. 6·31			
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	Z±	245	260	335	340	30	90	---	Z-	95	260	505
2	Z-	125	195	315	---	90	60	170	Z-	Z-	135	110
3	-75	90	195	390	135	85	100	125	Z-	Z-	165	355
4	170	375	215	555	45	135	170	245	80	140	180	115
5	315	320	160	0	195	245	180	340	-10	155	145	525
6	35	105	-40	-205	210	145	290	265	160	180	265	175
7	Z-	130	---	Z-	240	305	200	245	135	200	250	385
8	-440	---	Z-	Z-	245	220	135	235	210	140	390	285
9	280	290	80	295	90	200	90	365	290	115	Z-	180
10	-50	140	Z-	115	115	275	365	470	105	90	60	Z-
11	Z-	260	155	260	225	390	310	425	Z-	45	135	170
12	320	210	Z-	115	245	35	70	110	15	155	495	270
13	Z-	Z-	Z+	240	90	145	205	190	380	860	985	-165
14	155	190	130	220	105	70	70	95	185	235	550	Z±
15	90	155	195	215	50	70	95	-130	130	Z-	170	145
16	115	65	75	110	80	60	150	145	130	Z-	Z-	235
17	90	135	115	Z-	285	75	115	135	Z-	-125	Z-	Z-
18	15	85	145	240	310	260	200	355	Z-	225	Z-	130
19	175	155	355	290	150	330	285	565	Z-	Z-	-45	350
20	155	Z-	155	435	505	375	Z±	350	-145	65	35	55
21	105	355	260	310	365	375	90	170	340	310	105	345
22	Z-	-245	Z-	245	40	Z-	Z-	210	75	165	165	-225
23	95	Z-	Z-	335	---	235	Z±	210	-275	50	Z-	245
24	180	345	110	515	115	Z+	185	45	80	260	115	320
25	260	155	Z-	345	65	215	205	195	175	320	165	235
26	25	325	Z±	Z-	Z-	Z-	Z±	Z-	150	265	275	390
27	Z+	165	195	160	-5	50	190	620	265	375	355	630
28	290	175	245	380	125	135	90	285	170	105	170	80
29	155	Z+	Z±	25	95	105	-5	Z-	Z-	-60	---	---
30	135	645	310	Z-	155	285	170	Z+	---	---	385	520
31	Z±	160	165	70					140	245	375	Z-
(a)	158	216	186	261	178	183	164	263	169	208	264	282
(b)	142	208	163	255	160	182	172	260	139	246	273	228
Mean.	(a) 205		(b) 192		(a) 197		(b) 193		(a) 231		(b) 221	
								Annual Means. (a)	181	183	171	256
								(b)	164	185	164	249
									(a) 198		(b) 190	

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. 1932.

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.	-23	-30	-48	-72	-59	-58	-67	-36	-23	-5	-15	-1	+25	+36	+21	-9	+41	+58	+75	+59	+84	+50	+10	-10	+9	6	245
Feb.	-15	-57	-66	-73	-66	-78	-75	-57	-46	-30	-36	-62	-66	-58	-30	+21	+53	+115	+111	+135	+143	+131	+90	+26	+8	15	282
Mar.	+27	+13	+9	-1	+1	-13	-17	-40	-21	-64	-82	-90	-79	-71	-59	-42	-15	+27	+46	+94	+117	+127	+117	+33	-3	14	267
Apr.	-5	+11	-4	-35	-15	-13	-3	-13	-21	-21	-3	-1	-4	-5	-15	-31	-17	-12	0	+31	+56	+47	+48	+16	-38	6	165
May.	+46	+12	+12	+39	+51	+46	+32	+8	-24	-47	-60	-60	-67	-76	-60	-50	-40	-19	+11	+44	+94	+68	+8	+47	+2	8	205
June.	+50	+44	+47	+31	+29	-1	-11	-29	-20	-39	-36	-35	-39	-42	-35	-29	-25	-19	-7	+35	+38	+19	+27	+51	-8	16	174
July.	+1	-27	-25	-23	+11	+27	0	-46	-44	-24	-29	-24	-29	-48	-27	-21	-19	+7	+4	+72	+67	+86	+71	+33	+9	4	176
Aug.	+9	+11	+32	+49	+26	+13	+35	+26	-4	-28	-58	-73	-72	-69	-61	-53	-38	-7	+18	+58	+55	+69	+32	+23	+11	11	197
Sept.	-7	-27	-20	-55	-45	-50	-47	-16	-23	-34	-39	-47	-34	-41	-31	-38	-20	+20	+58	+108	+159	+126	+67	+41	+28	8	213
Oct.	+3	-19	-5	+52	+3	-75	-62	-28	+18	-34	-50	-97	-52	-75	-90	-97	-44	+26	+63	+115	+132	+249	+103	-43	+35	3	266
Nov.	-10	-19	-18	-17	-31	-38	-25	-17	-5	-16	-31	-52	-52	-57	-34	+14	+47	+57	+64	+73	+52	+61	+38	+10	+92	12	231
Dec.	-25	-31	-45	-21	-35	+27	+21	+1	-5	-43	-59	-51	-60	-60	+5	+96	+74	+133	+77	-8	+8	-16	+23	-5	+96	3	261
Year.	+4	-10	-11	-11	-11	-18	-18	-21	-18	-32	-41	-49	-44	-47	-35	-20	-0	+32	+43	+68	+84	+85	+53	+19	---	--	223
Winter.	-18	-34	-44	-46	-48	-37	-37	-27	-20	-23	-35	-41	-38	-35	-9	+31	+54	+91	+82	+65	+72	+57	+40	+5	---	--	255
Equinox.	+5	-5	-5	-10	-14	-38	-32	-24	-12	-38	-43	-59	-42	-48	-49	-52	-24	+15	+42	+87	+116	+137	+84	+12	---	--	228
Summer.	+27	+10	+17	+24	+29	+21	+14	-10	-23	-35	-46	-48	-52	-59	-46	-38	-31	-9	+7	+52	+63	+61	+35	+39	---	--	188

267. Eskdalemuir. *1a and 2a Days Only. 1932.

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.
Jan.	-25	-23	-3	-1	-25	-10	+4	-10	-26	-25	-1	-5	+13	+44	+36	+39	+44	+65	+62	-13	-72	-26	-40	-12	-1	5	166
Feb.	0	-17	-65	-50	-66	-78	-32	+9	-5	-29	-61	-66	-59	-54	-22	-32	+13	+127	+103	+112	+94	+42	+83	+58	+13	6	216
Mar.	+9	+11	+139	-28	-13	-70	+70	+92	+39	-63	-131	-103	-52	-25	-64	+29	+40	+9	+88	+122	+58	+20	+46	+62	-122	2	193
Apr.	+51	-31	+13	+8	+20	+13	-25	-5	+12	-16	-1	+11	-8	-21	-64	-78	-24	-84	-16	+47	+78	+56	+54	+15	+99	4	154
May.	+24	+5	+3	-11	-8	+24	+16	+12	0	+15	-4	+3	-9	-16	-33	-54	-44	-47	+5	+40	+27	-16	+12	+40	+62	8	122
June.	+56	+32	-8	+7	-8	-3	-29	-39	-43	-47	-42	-50	-63	-51	-38	-29	-13	+1	+11	+44	+91	+87	+58	+78	-13	7	143
July.	+32	+35	+7	-8	+9	+23	+52	+110	+66	+43	-36	-59	-86	-115	-113	-55	-71	-48	-8	+9	+12	+74	+71	+50	-14	4	185
Aug.	+63	+47	+22	-22	-11	-22	-46	-28	-1	-11	-19	-28	-62	-67	-92	-73	-62	-18	+24	+54	+55	+80	+92	+123	-11	7	173
Sept.	+36	+15	+3	+1	-18	-18	+18	+47	+12	-24	-22	-58	-24	-26	-58	-54	-45	+16	-23	+32	+72	+47	+51	+51	-34	3	150
Oct.	+25	-86	-74	-94	-49	-76	+102	-36	+31	+30	-9	-35	-39	-61	-39	-4	+4	+112	+165	+81	+50	+65	+68	+61	-72	5	206
Nov.	+14	-10	-33	-40	-55	-88	-66	-18	-53	-47	-53	-39	-23	+1	-34	+26	-13	+68	+112	+133	+52	+53	+83	+16	-96	4	155
Dec.	-40	+1	-85	-85	-75	-59	-39	-21	-8	+23	+5	-81	-25	+13	+57	+73	+45	+123	+87	+148	+73	-27	-49	-51	+3	5	222
Year.	+20	-2	-30	-27	-25	-30	-15	+8	+2	-13	-31	-43	-36	-31	-39	-18	-11	+27	+51	+67	+49	+38	+44	+41	---	--	174
Winter.	-13	-12	-47	-44	-55	-59	-33	-10	-23	-19	-27	-48	-23	+1	+9	+27	+22	+96	+91	+95	+37	+11	+19	+3	---	--	190
Equinox.	+30	-23	-49	-28	-15	-38	-10	+19	+23	-18	-41	-46	-31	-33	-56	-27	-6	+13	+53	+71	+65	+47	+55	+47	---	--	176
Summer.	+44	+30	+6	-9	-5	+5	-2	+14	+5	0	-25	-33	-55	-62	-69	-53	-47	-28	+8	+37	+46	+56	+58	+73	---	--	156

† see page 21.

*Note. For explanation of 0a and 2a Days, see page 162.

268. Eskdalemuir. 1932.

MONTH.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
Day.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.
		Hours.		Hours.		Hours.		Hours.		Hours.		Hours.
1	2c	7·7	1a	0·5	0a	...	1a	2·0	0a	...	0a	...
2	2c	10·7	1a	0·4	0a	...	0a	...	2b	5·4	0a	...
3	2c	17·3	0a	...	0a	...	1b	0·9	0a	...	1a	0·6
4	(1b)	(2·4)	0a	...	0a	...	1a	0·3	1a	0·2	1a	0·1
5	2b	6·3	0a	...	2c	4·2	1b	0·9	1c	2·3	0a	...
6	2b	5·7	0a	...	2c	3·2	2b	8·7	1b	0·3	0a	...
7	1c	2·6	0a	...	2c	5·4	2c	3·2	1c	2·4	1a	0·4
8	1b	0·8	1a	0·6	0a	...	1a	0·3	1a	0·1	1a	0·6
9	2c	12·7	1a	0·2	0a	...	2c	15·5	0a	...	0a	...
10	2c	9·3	1b	0·6	1b	0·9	2c	4·4	0a	...	0a	...
11	0a	...	1b	1·6	1b	0·2	1c	1·8	1a	1·8	1a	0·4
12	1a	2·7	1b	0·1	0a	...	0a	...	2c	7·7	0a	...
13	2c	7·6	1b	1·6	0a	...	2b	3·6	1b	2·3	0a	...
14	2b	5·9	0a	...	0a	...	2c	10·8	1b	0·2	0a	...
15	2c	7·7	0a	...	0a	...	1b	1·7	1b	1·5	0a	...
16	2c	10·4	0a	...	0a	...	0a	...	2b	5·1	0a	...
17	2b	4·4	0a	...	1a	0·9	0a	...	0a	...	0a	...
18	0a	...	0a	...	0a	...	1a	0·6	2a	3·5	0a	...
19	1a	0·1	0a	...	2b	7·4	2b	4·3	2b	4·0	0a	...
20	1a	0·1	0a	...	2b	4·7	2c	3·1	1a	0·8	0a	...
21	(2c)	---	1b	0·3	2c	7·3	1b	2·5	0a	...	0a	...
22	(1b)	---	0a	...	2c	10·6	2c	3·8	1a	0·2	0a	...
23	(1a)	---	1a	0·2	1a	0·1	2c	4·5	1a	0·1	0a	...
24	2b	3·1	1b	2·5	2b	9·0	1a	0·4	1b	0·4	1a	0·1
25	1a	0·1	1b	2·4	0a	...	1a	0·2	1b	2·4	1a	0·1
26	0a	...	1a	0·2	0a	...	0a	...	1b	2·9	1a	0·1
27	0a	...	0a	...	2b	4·2	0a	...	1a	0·1	0a	...
28	0a	...	0a	...	2c	6·3	2c	7·1	2b	4·9	1c	2·4
29	1a	1·6	0a	...	2c	7·8	1b	2·8	2b	4·3	1a	0·1
30	0a	...			2c	6·6	1b	2·8	0a	...	2a	3·9
31	1b	0·6			1b	2·6			0a	...		
Total	---	119·8	---	11·2	---	81·4	---	86·2	---	52·9	---	8·8
No. of days used.	---	28	---	29	---	31	---	30	---	31	---	30
Mean.	---	4·3	---	0·4	---	2·6	---	2·9	---	1·7	---	0·3

	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	2b	4·0	1a	0·3	2c	7·9	1b	2·9	1b	2·6	2b	3·3
2	1b	2·2	1a	0·2	1a	1·9	2b	3·7	(2b)	---	2c	11·4
3	1b	1·3	0a	...	2c	3·3	1b	2·8	1b	1·6	2c	4·7
4	2c	5·8	1b	0·7	1a	0·8	0a	...	1a	0·4	1b	0·6
5	1a	0·4	1a	0·1	1a	0·6	1a	1·1	0a	...	1b	1·9
6	1a	0·1	1a	0·5	2b	3·9	2b	6·3	0a	...	1a	0·1
7	0a	...	0a	...	1b	1·6	2c	11·1	0a	...	1b	0·9
8	1a	0·2	1a	0·1	2c	7·6	2c	(13·6)	1a	0·9	0a	...
9	0a	...	0a	...	0a	...	0a	...	0a	...	2c	5·9
10	0a	...	1a	0·3	2b	5·1	2c	(6·9)	0a	...	2c	7·8
11	2b	3·8	1b	0·7	2c	6·8	2c	4·4	0a	...	2b	3·3
12	1a	2·7	1b	0·4	1a	0·4	2b	4·2	1a	0·6	1a	0·6
13	2c	3·8	1a	0·3	1b	2·7	2c	6·3	0a	...	1b	2·4
14	0a	...	1b	0·7	0a	...	1b	1·3	1a	0·1	2b	4·3
15	0a	...	0a	...	1a	0·1	1a	0·1	2b	3·2	2b	5·0
16	1a	0·1	0a	...	0a	...	1a	0·6	0a	...	2c	14·6
17	1b	2·1	0a	...	0a	...	2c	5·3	0a	...	2c	17·6
18	0a	...	0a	...	1a	0·1	1b	2·5	0a	...	2c	6·7
19	0a	...	(1a)	1·8	0a	...	1a	2·7	0a	...	2c	14·6
20	1a	0·1	1b	2·1	0a	...	1b	1·0	2b	3·1	2b	7·9
21	1a	0·5	2b	4·9	0a	...	1a	0·3	1b	0·8	2c	5·3
22	1b	0·8	0a	...	0a	...	2c	12·3	2c	8·5	2b	4·5
23	0a	...	0a	...	2b	3·1	2c	4·5	2c	4·3	2c	10·0
24	2b	4·7	0a	...	2b	3·2	1a	0·9	1c	1·8	1a	1·1
25	1b	1·0	1a	0·1	2c	3·9	2b	3·2	2b	3·5	0a	...
26	1b	1·7	0a	...	2b	3·9	2c	4·2	2c	9·5	0a	...
27	2c	7·0	1a	0·7	0a	...	2c	6·6	(2b)	---	1a	0·1
28	2b	3·6	0a	...	0a	...	0a	...	0a	...	1a	0·2
29	1a	1·0	0a	...	0a	...	2c	6·1	2b	7·2	(2b)	---
30	1b	0·9	1b	2·6	2b	5·8	2c	9·3	1b	1·1	(1a)	---
31	2b	3·3	0a	...			2b	4·2			2c	6·8
Total	---	51·1	---	16·5	---	62·7	---	128·4	---	49·2	---	141·6
No. of Days Used.	---	31	---	31	---	30	---	31	---	28	---	29
Mean.	---	1·7	---	0·5	---	2·1	---	4·1	---	1·8	---	4·9

Annual Values.

Character Frequency ...	0	1	2
	120	137	109

Duration ...	Total.	No. of Days.	Mean.
	809·8	359	2·26 hours

ccn B 1932 012 01 BB 160

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, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	564	571	567	576	576	574	578	566	576	565	564	567	574	550	576	687	586	549	561	578	567	570	573	570
2 D	582	594	579	573	578	568	578	577	553	550	561	576	576	577	573	558	561	544	565	555	566	557	580	553	568
3	553	566	566	573	576	576	584	578	570	566	565	564	564	554	576	577	577	576	587	574	577	577	577	574	572
4	570	570	567	569	574	577	586	578	576	576	574	573	573	574	576	576	577	576	574	567	574	576	578	585	575
5	577	579	581	580	582	585	586	586	585	578	576	574	576	579	578	585	585	576	568	574	576	564	558	567	577
6	569	574	574	578	585	586	594	594	588	585	590	591	589	585	585	586	587	586	586	582	578	579	576	578	584
7	581	577	576	576	585	585	587	594	589	586	585	584	579	586	586	585	585	582	588	586	566	568	564	565	581
8	571	567	566	573	574	578	586	569	581	567	579	584	578	578	590	581	568	571	573	566	566	559	580	602	575
9	563	564	574	570	580	585	576	577	574	574	559	529	566	576	571	574	576	565	577	567	585	579	568	626	573
10	569	564	564	565	573	578	584	579	585	573	544	567	565	585	586	555	565	574	589	576	576	577	585	577	573
11	574	576	585	578	569	581	585	585	587	565	574	566	574	579	570	584	584	555	556	555	586	555	564	595	574
12	594	564	566	568	574	585	577	586	578	576	574	564	565	573	560	552	576	576	573	576	578	597	576	574	574
13	567	585	565	573	574	566	577	569	567	574	573	573	576	577	581	570	566	577	578	578	576	569	597	566	574
14	566	574	574	568	573	574	577	577	577	574	574	565	567	564	561	567	578	578	578	576	576	576	568	590	573
15	567	574	574	577	578	578	574	568	555	577	566	569	576	576	577	577	582	578	566	565	569	571	576	574	573
16	573	568	569	567	574	574	576	579	577	577	576	573	576	578	584	586	571	555	563	576	594	588	573	579	575
17	575	576	565	564	564	570	573	566	570	571	574	575	572	571	571	571	569	565	571	573	574	573	575	572	571
18 Q	571	570	573	574	574	575	583	578	576	571	577	578	575	576	576	575	574	574	575	574	576	576	574	575	575
19 Q	569	569	569	570	573	578	577	575	577	573	567	570	574	578	580	582	583	582	583	570	568	573	578	575	575
20 Q	574	576	569	574	577	581	581	582	583	578	576	575	576	578	583	580	574	575	582	582	582	579	576	577	578
21 Q	576	578	578	579	582	584	584	584	586	582	578	579	578	578	579	578	581	582	586	583	582	586	580	578	581
22 Q	582	582	582	583	587	587	592	592	590	586	579	574	574	574	579	580	582	581	579	578	578	575	577	576	581
23	578	587	581	583	586	586	587	587	587	578	577	573	569	578	582	581	584	584	586	583	578	572	577	571	581
24	579	583	586	583	591	592	592	596	598	592	582	578	565	569	579	573	565	566	566	578	579	578	570	551	579
25 D	583	578	580	581	578	597	589	591	579	577	555	543	564	574	575	515	541	552	560	587	558	564	566	580	569
26 D	582	573	581	577	574	577	578	582	580	545	545	552	559	568	569	570	563	563	550	569	573	568	541	549	566
27 D	551	545	568	572	574	585	578	586	576	559	552	546	555	553	559	559	559	563	565	563	577	563	574	558	564
28 D	577	554	558	563	572	582	573	568	559	558	554	550	504	517	563	573	572	569	554	559	573	574	605	574	563
29	564	561	565	569	568	573	586	581	577	568	553	557	560	559	573	576	577	578	578	578	569	573	562	573	570
30	576	569	573	574	579	581	580	580	581	577	568	559	553	566	574	577	574	568	577	579	574	574	581	590	574
31	571	572	568	566	577	587	582	585	572	568	535	549	554	559	567	562	539	572	580	577	577	577	572	567	568
Mean.	573	572	573	573	577	580	582	581	577	573	568	567	568	571	575	572	573	572	573	573	575	573	574	576	574

YELLOW M.5 C.2 B 1932 011 01 BB 140

MAGNETIC DECLINATION (WEST).

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

270. Eskdalemuir. (D) — 14°+ — January, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	26·7	25·3	29·7	29·3	30·1	30·0	30·4	30·3	29·3	29·0	31·4	31·3	32·1	32·5	30·2	29·3	29·4	30·2	28·1	28·2	21·9	22·0	26·9	27·9	28·8
2 D	29·0	30·3	26·7	27·9	30·2	31·3	28·9	31·6	31·4	30·9	33·6	30·4	32·2	32·3	32·5	30·2	32·8	20·0	27·7	27·9	25·5	25·6	11·2	22·4	28·4
3	23·2	26·7	28·9	28·5	31·3	31·3	31·9	29·6	28·1	28·3	28·8	30·0	31·9	31·3	30·1	30·1	28·8	28·6	19·9	25·3	27·8	27·8	27·3	25·0	28·4
4	26·4	25·6	28·1	28·9	28·6	28·8	28·9	28·9	28·8	28·8	29·4	30·1	30·9	31·3	30·2	29·5	29·0	28·9	29·2	25·7	26·8	26·6	27·5	28·0	28·6
5	28·9	28·9	28·9	28·9	28·9	28·9	28·8	28·6	27·8	27·8	28·9	30·1	30·8	31·6	30·5	30·0	29·2	27·9	27·6	29·9	28·7	24·4	23·0	26·6	28·6
6	27·9	28·8	29·0	29·6	29·4	29·9	29·7	29·0	28·9	28·7	29·3	31·0	31·5	32·3	31·2	30·1	29·9	30·0	29·0	28·8	28·1	25·5	26·6	27·8	29·3
7	28·6	28·9	28·9	28·9	28·9	28·9	28·9	27·6	27·9	28·1	29·2	30·0	31·3	31·4	30·7	30·1	30·2	30·0	30·0	30·6	24·1	14·7	22·1	27·8	28·2
8	28·3	28·0	28·8	29·3	29·5	30·1	31·3	30·5	30·1	27·5	30·7	31·3	33·7	32·2	33·1	34·5	34·8	30·3	33·6	29·2	27·1	25·5	30·3	24·5	30·2
9	24·8	25·5	29·9	32·3	30·3	29·2	27·8	27·8	28·1	27·5	29·3	28·0	30·1	32·2	31·6	26·5	29·3	28·9	23·1	27·5	26·6	25·4	25·5	20·5	27·8
10	26·8	23·1	27·9	27·9	28·8	28·5	28·0	27·6	27·9	28·9	29·3	31·0	32·3	29·2	30·5	26·0	27·5	29·2	25·4	28·2	27·5	27·2	26·8	27·8	28·1
11	27·8	27·6	26·6	28·1	26·8	26·8	29·2	30·1	31·3	30·0	30·7	30·7	31·2	32·8	31·2	29·0	29·9	27·8	14·0	30·2	16·6	25·4	27·6	17·5	27·5
12	21·8	25·8	27·9	29·2	31·5	28·8	28·8	31·2	32·2	30·8	31·0	31·6	31·0	32·3	39·6	31·0	30·8	24·2	26·6	27·9	26·7	25·4	25·9	26·6	29·1
13	26·7	25·0	26·0	26·7	26·7	28·0	28·0	26·6	26·7	28·0	29·0	30·8	30·3	31·2	31·0	30·3	27·9	29·4	29·0	28·2	27·6	26·6	21·0	25·2	27·7
14	29·2	30·9	25·4	26·8	26·8	27·9	27·9	27·9	27·8	28·2	30·5	31·5	33·6	33·4	33·3	32·6	29·4	28·9	28·8	28·0	27·8	27·6	25·3	18·8	28·7
15	28·8	28·9	28·1	28·2	28·9	28·8	28·0	28·5	34·8	30·3	32·7	31·3	30·5	31·5	29·2	28·9	28·9	29·9	27·8	18·4	25·4	27·9	28·7	28·8	28·9
16	28·1	28·1	28·1	30·0	27·8	28·0	28·0	28·2	28·3	28·9	30·8	31·4	31·3	32·2	32·7	31·5	32·3	31·0	32·4	29·0	25·5	26·9	25·3	25·0	29·2
17	25·4	26·4	26·0	26·6	27·1	27·1	27·1	27·1	26·6	27·1	28·7	30·0	30·3	31·2	29·5	29·7	25·0	24·9	28·5	28·2	27·5	27·3	27·4	27·4	27·6
18 Q	28·3	28·3	28·3	28·1	28·2	29·2	28·5	28·3	27·5	28·1	30·0	31·2	31·0	30·5	29·4	29·4	28·8	28·5	28·4	27·8	27·4	28·1	27·4	28·0	28·7
19 Q	27·5	28·1	28·1	28·1	28·1	27·2	27·1	27·1	26·5	26·8	28·2	29·1	30·2	30·2	30·1	29·2	29·1	28·7	28·5	28·2	27·3	27·3	27·2	27·0	28·1
20 Q	27·7	26·1	26·1	28·1	28·3	28·4	28·1	27·5	27·2	27·3	29·0	30·6	31·4	33·1	33·3	33·6	31·5	30·3	29·1	28·2	27·6	27·2	26·3	26·8	28·9
21 Q	27·1	28·0	28·1	28·2	28·2	27·8	27·6	27·2	26·4	26·4	28·2	29·1	30·2	31·1	31·1	29·6	29·1	28·7	28·4	28·2	27·0	27·0	26·4	25·8	28·1
22 Q	26·6	28·0	28·2	28·3	28·4	28·5	27·8	27·4	26·4	26·2	27·5	29·0	30·4	31·3	31·8	31·1	29·5	29·2	29·0	28·4	28·1	27·3	27·0	27·1	28·4
23	27·3	29·7	28·0	28·3	28·3	28·2	28·2	27·3	26·3	26·3	28·0	29·1	30·4	31·6	31·2	30·1	29·3	29·4	29·4	28·7	26·3	25·0	27·1	27·2	28·4
24	27·8	29·1	28·9	28·6	28·5	28·8	28·8	28·9	28·6	27·9	28·4	29·5	30·4	31·3	33·1	32·6	33·6	32·2	28·6	27·8	28·4	27·5	25·4	21·5	29·0
25 D	26·7	28·4	29·2	29·6	35·1	28·2	28·7	28·6	28·6	28·6	30·5	31·6	31·9	32·5	33·4	26·5	31·6	28·6	24·8	21·6	23·6	23·7	26·4	24·7	28·5
26 D	25·7	27·5	28·2	28·6	28·3	29·8	32·2	33·4	30·6	27·8	29·6	29·7	31·1	32·5	32·3	31·6	29·5	27·7	22·4	28·6	27·6	22·3	10·8	19·6	27·8
27 D	18·6	22·8	30·6	28·8	29·5	29·5	30·6	30·7	28·7	29·5	29·6	28·9	31·5	34·8	31·5	23·6	31·7	23·6	28·6	26·8	19·6	25·4	25·8	16·6	27·4
28 D	25·7	23·6	29·3	32·6	30·6	29·5	28·6	29·1	29·1	30·1	29·5	29·6	29·6	31·6	33·6	31·4	31·6	29·3	17·6	26·1	25·8	23·6	22·4	24·4	28·1
29	24·6	30·5	29·7	28·8	29·5	28·7	28·8	28·2	28·5	27·6	28·6	28·8	30·7	31·4	29·6	28·9	28·5	28·6	28·8	28·5	25·8	25·7	23·8	27·5	28·3
30	25·8	26·6	27·6	29·5	29·6	27·2	27·5	27·7	27·2	26·6	28·6	29·6	30·6	31·7	30·8	29·5	28·9	27·9	29·5	29·1	28·8	25·1	23·2	23·6	28·0
31	22·4	26·0	27·8	32·4	28·8	27·5	28·4	28·7	30·2	27·9	29·4	30·2	31·5	31·6	31·7	31·7	26·6	29·2	28·7	28·6	28·0	27·7	26·5	24·4	28·6
Mean.	26·5	27·3	28·2	28·9	29·1	28·7	28·8	28·7	28·6	28·3	29·6	30·2	31·2	31·8	31·6	29·9	29·8	28·5	27·2	27·7	26·2	25·6	25·0	24·9	28·4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

BLUE. 10 5 0 2 B1932 013 01 33440

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

44,000 γ (·44 C.G.S. unit) +

271. Eskdalemuir. (V.) January, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	890	891	888	893	893	893	896	897	898	900	898	899	897	897	907	910	904	903	914	915	916	909	908	904	901
2 D	898	886	878	886	886	883	891	892	897	900	903	901	900	900	905	917	916	935	923	918	915	910	904	884	901
3	884	889	894	894	890	890	890	895	899	901	901	900	899	903	906	906	905	905	908	904	901	901	903	904	899
4	902	901	900	901	901	901	900	902	903	906	914	913	910	910	913	912	912	912	912	915	915	912	913	909	908
5	908	908	908	908	908	909	909	909	910	912	912	910	908	909	911	911	911	914	916	916	918	923	927	921	912
6	918	915	914	912	912	910	909	909	909	908	907	907	909	913	915	914	913	913	913	913	917	918	920	917	913
7	914	914	914	914	912	911	910	910	908	907	910	908	907	912	915	916	916	917	916	917	927	941	925	918	915
8	919	920	919	918	917	915	909	910	911	914	916	917	918	919	919	920	930	933	940	938	937	934	907	904	920
9	913	918	918	913	906	906	912	916	916	917	920	926	923	922	927	936	932	932	935	930	927	919	922	917	921
10	908	911	911	916	919	920	921	921	919	917	920	919	921	924	927	939	941	934	935	929	927	926	924	922	923
11	923	923	922	913	917	920	920	920	916	916	918	922	923	928	933	933	933	938	945	939	940	935	933	928	927
12	918	922	924	925	923	923	923	922	918	919	922	923	927	932	944	947	941	945	941	941	941	936	929	932	930
13	933	930	926	929	930	933	932	933	935	934	934	934	934	935	939	942	945	944	943	942	942	943	940	938	936
14	937	921	925	928	933	937	938	938	938	938	935	938	939	943	946	947	944	943	943	944	943	941	944	937	938
15	935 5	936	937	939	938	937	937	937	940	934	939	942	943	944	945	946	945	946	951	956	953	949	948	945	943
16	945	944	944	943	942	944	945	942	942	941	943	948	946	945	946	947	950	958	960	963	955	942	933	930	946
17	935	932	939	943	945	945	947	949	949	946	946	946	945	945	950	953	956	959	954	954	955	955	952	951	948
18 Q	951	951	950	950	949	949	948	948	948	948	949	950	953	951	953	953	954	954	954	955	955	954	955	955	952
19 Q	955	955	955	955	954	955	956	956	954	954	955	956	956	953	953	953	953	953	953	958	961	960	958	958	955
20 Q	956	955	955	954	954	954	954	955	955	955	954	954	955	955	955	959	961	957	956	961	957	959	963	962	956
21 Q	955	951	944	943	941	939	939	941	939	937	943	944	949	942	948	954	954	947	950	955	955	953	957	956	947
22 Q	948	943	942	939	937	935	932	932	935	936	950	948	955	955	955	955	945	945	947	948	949	950	950	950	945
23	945	941	933	933	932	932	932	932	935	937	938	938	938	938	939	942	941	940	939	941	943	946	943	943	938
24	942	941	939	940	939	938	938	937	935	937	939	939	943	943	945	950	951	952	956	955	951	949	949	952	944
25 D	938	938	941	941	936	935	939	940	943	943	952	956	953	952	958	985	985	982	975	968	961	960	958	952	954
26 D	943	940	935	938	943	943	939	938	940	946	949	951	948	947	951	957	961	964	973	965	959	960	960	938	949
27 D	929	925	925	938	946	946	947	947	948	948	948	952	951	951	965	997	985	984	973	969	967	961	955	939	954
28 D	919	918	931	929	934	940	946	948	950	949	952	954	966	981	965	965	967	965	978	968	964	959	940	937	951
29	939	932	931	943	948	949	948	951	951	951	952	952	951	952	957	956	955	955	955	955	958	959	957	952	950
30	947	948	950	949	945	945	947	947	948	948	951	952	955	955	957	959	959	960	959	957	959	959	958	948	953
31	946	946	948	943	943	947	949	950	951	952	959	959	956	955	957	964	974	964	959	959	957	956	957	959	955
Mean.	929	927	927	928	928	929	929	930	930	931	933	934	935	936	939	943	943	944	944	943	943	941	938	934	935

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

272. Eskdalemuir. January, 1932.

Day.	Terrestrial Magnetic Elements																									HR_H+VR_V §	Magnetic Character of Day.	Temperature in Magnet House.
	Horizontal Force.							Declination.							Vertical Force.											10,000 γ^2	(0 - 2)	200 +
	Maximum 16,000γ +			Minimum 16,000γ +			Range	Maximum 14° +			Minimum 14° +			Range	Maximum 44,000γ +			Minimum 44,000γ +			Range							
	h.	m.	γ	γ	h.	m.	γ	h.	m.	′	′	h.	m.	′	h.	m.	γ	γ	h.	m.	γ							°A
1	20	26	610	532	14	39	78	13	49	32·9	11·5	20	24	21·4	18	54	920	888	2	34	32					268	1	83·4
2 D	22	28	626	474	23	4	152	12	22	36·1	3·3	22	25	32·8	17	39	945	876	2	20	69					553	2	83·4
3	18	22	598	543	0	42	55	6	18	34·0	17·3	18	20	16·7	18	21	910	880	0	1	30					217	1	83·3
4	6	38	588	564	19	42	24	13	24	31·6	23·2	19	51	8·4	19	57	916	900	1	30	16					103	0	83·2
5	8	37	587	552	21	46	35	13	28	32·3	20·7	22	0	11·6	22	0	928	906	12	55	22					148	0	83·2
6	16	58	596	563	0	30	33	13	13	33·1	22·7	22	7	10·4	0	1	920	906	11	33	14					122	0	83·2
7	7	54	596	543	21	28	53	13	30	32·1	12·1	21	33	20·0	21	30	946	907	12	20	39					259	1	83·3
8	23	18	628	553	18	12	75	16	37	38·1	21·3	23	14	16·8	18	27	941	901	23	1	40					305	1	83·3
9	23	34	650	516	11	40	134	3	53	36·0	8·0	23	25	28·0	18	5	940	904	0	1	36					375	1	83·2
10	18	33	616	534	15	29	82	12	24	33·6	17·3	18	18	16·3	16	13	946	907	0	12	39					302	1	83·2
11	23	57	628	518	18	14	110	13	34	34·1	6·5	18	22	27·6	18	22	956	911	3	42	45					376	1	83·2
12	21	47	629	525	15	35	104	8	12	34·8	13·0	17	46	21·8	16	0	953	917	8	37	36					330	1	83·2
13	22	18	608	556	15	56	52	14	10	32·7	17·3	21	11	15·4	19	5	945	925	2	20	20					167	1	83·3
14	23	8	627	552	14	30	75	1	4	35·6	9·0	23	1	26·6	15	2	948	919	1	32	29					246	1	83·3
15	19	10	598	544	8	11	54	9	0	38·3	16·3	19	7	22·0	20	4	958	933	9	29	25					198	1	83·3
16	20	48	618	544	17	54	74	16	39	33·7	23·0	20	32	10·7	17	55	961	929	23	20	32					271	1	83·3
17	0	52	589	556	17	0	33	13	20	31·4	21·1	17	4	10·3	17	28	960	930	1	19	30					181	0	83·3
18 Q	6	28	585	566	19	20	19	11	22	31·6	25·8	20	12	5·8	19	28	956	947	6	20	9					63	0	83·3
19 Q	18	12	586	564	21	43	22	13	53	30·9	26·2	9	20	4·7	20	38	962	952	16	50	10					77	0	83·2
20 Q	9	0	587	568	2	32	19	15	32	34·2	25·2	2	12	9·0	22	50	965	953	13	0	12					104	0	83·2
21 Q	22	59	590	574	0	52	16	14	2	31·2	25·1	23	5	6·1	23	18	967	932	10	0	35					40	0	83·1
22 Q	6	12	593	573	11	47	20	14	28	32·1	26·1	8	19	6·0	13	2	966	931	6	20	35					46	0	83·1
23	1	43	592	568	21	48	24	13	38	32·1	22·5	20	54	9·6	21	38	947	931	2	0	16					148	0	83·1
24	8	19	601	538	23	20	63	16	28	34·4	13·5	23	12	20·9	18	50	960	934	8	17	26					222	1	83·2
25 D	19	10	615	501	15	22	114	4	32	37·6	6·6	18	54	31·0	16	0	994	932	4	55	62					467	1	83·2
26 D	0	50	596	513	23	59	83	7	15	35·2	0·9	22	15	36·1	18	30	973	932	23	54	41					322	1	83·2
27 D	15	33	652	499	15	23	153	13	26	36·9	11·7	0	9	25·2	15	41	1012	921	2	0	91					663	2	83·2
28 D	22	15	637	453	13	4	184	14	4	35·1	9·6	18	22	25·5	13	28	985	911	1	0	74					637	2	83·2
29	21	48	599	548	10	50	51	2	0	35·7	21·6	22	18	14·1	21	0	961	928	2	0	33					233	1	83·1
30	22	35	606	545	12	12	61	13	10	32·6	19·7	23	53	12·9	17	40	961	943	5	11	18					182	1	83·1
31	0	4	595	512	15	56	83	3	43	32·8	20·4	0	17	12·4	16	15	977	941	4	0	36					300	1	83·1
Mean.	--	--	607	538	--	--	69	--	--	34·0	16·7	--	--	17·3	--	--	954	920	--	--	34					256	0·77	83·2
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31					31	31	31

§For explanation see page175. Q denotes an International Quiet Day, while D denotes a disturbed day used for the computation of tables 323-334.

022

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, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	567	578	571	572	573	576	579	578	577	573	562	558	557	562	567	576	577	580	580	575	576	572	567	567	572
2 Q	577	573	572	575	580	579	582	583	581	574	564	567	564	567	573	577	578	581	580	576	579	580	585	581	576
3 D	584	587	584	577	576	574	595	599	581	560	567	581	572	567	544	566	558	572	562	572	555	553	613	537	572
4 D	543	548	539	557	566	565	558	555	561	560	525	507	541	557	552	561	552	575	561	566	576	561	558	580	555
5	566	561	566	568	558	570	568	571	568	565	562	557	555	561	565	567	556	549	558	565	568	575	565	567	564
6	570	568	567	566	562	571	572	575	557	554	549	549	554	560	566	576	567	572	562	564	561	582	581	565	565
7	562	564	566	566	566	569	570	576	567	564	561	565	557	563	562	566	575	574	565	572	571	557	571	571	567
8	562	561	577	562	570	570	570	576	576	571	561	547	554	554	562	557	571	572	566	584	571	561	567	568	566
9	569	566	570	574	575	575	574	570	566	569	566	547	543	560	571	574	574	570	547	555	556	579	593	574	567
10 D	568	566	560	561	569	576	579	556	579	575	560	556	569	571	574	533	552	579	583	588	565	556	557	571	567
11 D	561	565	560	570	565	570	574	578	579	569	563	556	564	574	571	583	580	570	559	569	565	565	565	566	568
12	549	560	558	560	575	565	565	578	572	568	552	551	556	561	570	574	574	560	565	572	580	565	597	574	567
13	568	576	572	569	571	578	565	574	572	563	551	537	559	569	559	564	569	571	564	559	569	573	583	569	567
14	573	577	563	565	574	563	568	568	568	568	559	542	554	564	573	577	578	578	583	572	568	574	573	577	569
15	592	564	568	569	577	578	578	578	573	569	564	568	573	565	573	574	573	574	578	586	574	573	573	569	573
16 Q	570	571	572	572	573	574	577	576	568	566	564	564	566	568	572	577	580	581	577	576	573	573	572	572	572
17 Q	571	572	572	573	576	576	577	576	573	568	563	563	569	573	578	580	582	581	582	581	580	577	571	574	575
18	576	577	580	580	581	586	587	586	578	573	571	568	576	581	586	591	591	591	586	580	580	561	559	567	579
19	572	574	567	594	586	590	599	595	591	583	578	569	572	576	583	589	591	587	599	592	593	591	592	589	585
20	591	593	593	590	591	588	613	595	572	559	570	575	573	576	584	568	557	560	568	577	567	571	577	577	579
21	577	575	576	577	581	581	581	583	581	578	554	568	567	555	557	573	576	576	577	574	577	581	578	577	574
22	577	576	577	576	580	586	586	594	581	562	577	575	573	548	550	566	553	567	574	574	577	572	580	570	573
23 D	567	578	577	572	571	571	576	574	571	571	571	574	580	585	588	587	585	593	590	548	549	552	567	571	574
24	571	576	584	571	576	588	580	587	576	571	539	521	545	553	575	578	576	571	579	577	577	590	586	583	572
25	575	581	576	576	566	572	581	585	580	567	562	552	557	568	570	569	561	578	571	590	580	581	580	592	574
26	579	579	575	580	579	584	589	589	584	578	561	556	555	564	570	568	577	579	581	584	583	579	578	578	576
27 Q	579	579	576	579	578	581	584	585	580	570	565	564	565	570	574	583	584	581	576	588	585	584	584	584	578
28 Q	583	583	584	584	585	585	584	585	588	580	569	566	567	568	575	577	576	583	584	584	584	583	584	580	580
29	580	580	583	584	584	585	586	588	584	579	569	565	568	577	579	580	583	585	584	588	585	584	585	589	581
Mean.	572	573	572	573	575	577	579	580	575	569	561	557	562	566	570	573	573	576	574	575	573	573	577	574	572

021

MAGNETIC DECLINATION (WEST).

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

274. Eskdalemuir. (D.) 14°+ **February, 1932.**

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

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

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

275. Eskdalemuir. (V.) 44,000γ (·44 C.G.S. unit) + **February, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	956	949	952	952	952	952	953	953	953	951	952	952	952	952	955	956	956	956	956	957	958	960	961	959	954
2 Q	949	952	952	953	953	953	952	952	952	952	952	951	948	948	952	954	954	955	956	956	956	956	955	954	953
3 D	952	952	951	952	951	950	944	943	946	949	952	954	955	960	964	973	989	976	983	981	978	973	922	919	957
4 D	937	933	914	924	944	949	949	955	952	955	958	965	962	966	978	988	991	982	977	971	956	954	960	955	957
5	948	948	948	951	947	943	940	944	952	952	956	957	959	961	961	963	974	982	974	969	968	960	961	961	957
6	947	943	942	947	952	955	956	956	957	957	956	957	957	960	969	966	965	965	969	969	969	961	947	949	957
7	947	950	954	955	953	951	951	951	952	956	956	954	955	955	961	964	964	962	964	965	956	961	959	947	956
8	950	949	943	950	952	955	955	955	957	956	957	960	960	961	972	974	976	976	987	986	978	980	958	958	963
9	958	957	958	958	957	960	956	955	955	956	956	959	961	957	959	965	965	969	977	976	971	969	957	953	961
10 D	955	952	945	948	955	957	955	952	949	951	948	952	952	954	960	978	994	977	972	963	964	962	958	950	959
11 D	934	942	951	955	957	957	957	956	955	955	955	955	952	952	956	960	972	978	969	964	968	952	935	930	956
12	933	940	943	937	938	943	948	952	952	952	955	960	960	960	964	968	979	971	973	968	963	964	947	941	955
13	936	939	949	953	955	952	952	956	956	957	954	956	958	960	967	969	969	971	972	976	970	965	957	957	959
14	956	949	940	940	940	947	952	955	956	953	952	955	957	961	966	969	964	962	960	963	969	962	960	951	956
15	939	943	946	947	949	951	952	952	953	955	956	955	955	956	956	960	961	963	961	961	960	960	961	960	955
16 Q	952	952	952	953	955	955	955	955	956	957	954	952	952	953	955	956	956	956	956	957	957	957	959	958	955
17 Q	955	955	954	954	952	953	954	954	955	955	954	951	950	951	954	956	955	955	954	954	954	955	958	957	954
18	955	954	952	951	951	951	951	951	953	952	951	950	948	948	950	951	950	949	950	951	953	960	960	955	952
19	951	950	950	929	929	933	934	938	942	943	945	945	943	943	943	947	946	946	946	947	949	949	949	949	944
20	948	944	935	938	938	934	923	930	937	938	945	946	945	945	951	960	964	965	969	959	954	954	951	950	947
21	949	948	948	948	947	947	946	945	942	942	946	946	947	951	956	954	955	954	951	951	951	950	950	950	949
22	948	945	945	945	945	941	941	937	940	945	941	938	938	949	964	969	974	972	958	952	950	951	951	948	949
23 D	945	932	930	933	938	941	941	942	943	944	941	940	941	941	943	945	948	945	949	998	970	963	954	950	947
24	949	946	937	939	941	939	940	938	941	941	942	949	950	957	957	954	955	954	955	951	950	845	843	841	946
25	940	931	936	932	929	922	934	936	937	940	941	943	944	945	949	957	961	958	953	951	946	944	945	943	942
26	940	940	937	934	937	940	940	940	940	939	936	935	938	940	944	949	952	949	948	947	944	944	944	944	942
27 Q	940	940	940	941	943	943	942	943	943	940	937	935	933	936	940	943	945	946	947	944	943	942	943	941	941
28 Q	941	941	940	940	940	940	940	940	940	938	937	934	933	936	940	943	944	944	944	944	944	944	943	941	941
29	940	940	939	938	939	939	939	939	940	939	938	935	936	936	939	939	939	939	939	939	939	940	941	939	939
Mean.	947	945	944	945	946	947	947	947	949	949	949	950	950	952	956	960	963	962	961	961	958	957	951	949	952

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

276. Eskdalemuir. **February, 1932.**

Day.	Horizontal Force: Maximum 16,000γ + h.	m.	γ	Minimum 16,000γ + γ	h.	m.	Range γ	Declination: Maximum 14° + h.	m.	′	Minimum 14° + ′	h.	m.	Range ′	Vertical Force: Maximum 44,000γ + h.	m.	γ	Minimum 44,000γ + γ	h.	m.	Range γ	$\frac{HR_H+VR_V}{10,000\gamma^2}$ §	Magnetic Character of Day. (0 - 2)	Temperature in Magnet House. 200 + °A
1	1	38	586	553	12	24	33	1	15	32·8	23·3	22	30	9·5	23	3	961	947	1	35	14	118	0	83·1
2 Q	22	40	596	562	12	52	34	13	38	31·3	25·8	22	59	5·5	20	0	957	948	0	54	9	96	0	83·1
3 D	22	28	654	502	23	18	152	13	32	43·7	7·5	22	22	36·2	16	33	996	902	23	2	94	674	2	83·1
4 D	20	21	672	497	11	24	175	2	12	47·2	8·4	16	50	38·8	16	49	999	885	2	33	114	803	2	83·1
5	21	3	625	538	16	56	87	6	0	34·6	20·7	16	57	13·9	17	17	985	939	6	12	46	351	1	83·1
6	21	32	607	531	18	0	76	13	40	36·6	20·9	21	28	15·7	14	33	972	939	2	3	33	274	1	83·1
7	19	58	617	547	21	20	70	13	42	33·6	15·5	19	10	18·1	19	11	968	945	0	1	23	219	1	83·1
8	19	6	607	509	15	15	98	13	18	34·4	15·6	19	42	18·8	16	55	982	939	2	12	43	356	1	83·1
9	22	44	615	532	18	10	83	12	10	32·5	19·4	18	40	13·1	18	39	979	952	23	15	27	259	1	83·1
10 D	18	53	620	501	15	52	119	14	10	35·4	9·5	18	41	25·9	16	28	998	939	24	0	59	463	1	83·1
11 D	16	58	611	524	18	22	87	13	32	35·3	55·5	16	55	29·8	17	3	981	922	22	53	59	409	1	83·1
12	22	38	621	536	10	58	85	13	48	34·3	10·4	23	19	23·9	17	37	982	931	0	1	51	370	1	83·0
13	22	10	592	531	11	18	61	14	32	36·7	18·9	0	30	17·8	20	7	977	934	0	19	43	294	1	82·9
14	24	0	601	536	11	33	65	13	31	33·5	18·8	4	38	14·7	15	2	973	939	2	20	34	261	1	82·8
15	0	21	601	559	13	35	42	14	18	32·5	22·0	1	17	10·5	19	15	964	938	0	32	26	187	1	82·8
16 Q	0	5	586	562	11	3	24	13	17	31·8	23·5	2	30	8·3	23	0	960	949	1	48	11	89	0	82·8
17 Q	16	34	584	559	10	36	25	13	9	31·7	24·5	22	28	7·2	22	41	960	950	12	30	10	86	0	82·7
18	16	36	595	557	21	43	38	13	31	31·4	17·6	21	59	13·8	21	44	963	947	12	50	16	135	1	82·7
19	18	40	610	563	2	31	47	12	42	32·6	15·5	3	32	17·1	0	1	952	925	3	38	27	199	1	82·6
20	6	36	618	530	8	49	88	9	31	38·5	14·4	18	50	24·1	16	30	972	921	6	11	51	375	1	82·6
21	8	0	590	544	14	14	46	13	31	34·5	24·2	20	34	10·3	14	14	951	942	8	50	15	143	0	82·6
22	16	56	603	524	14	48	79	13	53	36·6	12·5	16	44	24·1	16	44	980	936	7	45	44	329	1	82·6
23 D	18	15	609	520	19	10	89	18	45	31·7	-9·6	20	5	41·3	19	39	1013	928	0	36	85	530	2	82·6
24	5	32	603	510	11	43	93	12	26	36·6	20·3	21	0	16·3	13	51	961	935	2	40	26	271	1	82·6
25	19	26	613	539	4	45	74	5	6	34·5	17·9	19	12	16·6	16	40	962	917	5	18	45	325	1	82·6
26	0	1	594	548	12	12	46	12	30	33·3	24·3	0	21	9·0	18	40	953	933	3	10	20	166	1	82·5
27 Q	19	12	590	561	12	5	29	14	15	31·8	24·5	9	21	7·3	18	30	948	932	12	10	16	120	0	82·5
28 Q	5	7	589	563	11	20	26	13	40	32·2	24·6	9	12	7·6	16	12	946	931	12	11	15	110	0	82·5
29	23	52	603	561	11	54	42	13	50	30·8	25·3	9	5	5·5	22	18	942	934	11	45	8	106	0	82·4
Mean.	--	--	607	538	--	--	69	--	--	34·6	17·3	--	--	17·3	--	--	970	934	--	--	37	262	0·83	82·8
No. of Days Used	--	--	29	29	--	--	29	--	--	29	29	--	--	29	--	--	29	29	--	--	29	29	29	29

§ For explanation see page 175. Q denotes an International Quiet Day, while D denotes a disturbed day used for the computation of tables 323-334.

 032

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

Mean values for periods of sixty minutes ending at the Hours of Greenwich Mean Time.
16,000 γ (·16 C.G.S.unit) +

277. Eskdalemuir. March, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	584	584	584	584	585	589	592	595	592	591	588	583	578	574	575	579	584	584	586	589	590	589	592	589	586
2	589	591	584	586	590	593	597	601	600	596	590	590	593	602	608	605	607	611	584	565	572	572	570	566	590
3	575	576	566	557	559	570	567	561	551	508	519	533	538	544	561	575	573	572	575	585	565	575	567	575	560
4	565	564	551	555	574	571	546	571	572	566	554	524	551	569	577	573	573	574	583	603	560	551	542	567	564
5	574	547	575	574	578	556	565	556	560	551	565	566	565	569	572	554	561	573	570	592	597	629	550	555	569
6	565	561	555	560	566	570	569	575	569	558	555	560	547	556	578	574	575	582	582	596	555	569	593	687	569
7	570	570	573	574	582	575	573	569	565	550	550	553	566	575	578	569	564	570	569	578	574	574	560	535	567
8	573	569	560	567	588	574	573	569	564	548	555	551	570	576	578	579	572	572	566	569	585	574	573	574	570
9	576	579	574	568	578	565	577	572	573	568	567	569	552	578	577	587	577	593	574	573	576	614	564	559	575
10 D	562	551	564	573	593	573	572	559	559	542	548	528	560	573	575	573	550	564	559	573	596	559	569	554	564
11	513	548	544	565	582	580	550	568	563	550	559	559	560	564	569	573	578	572	576	579	591	600	573	569	566
12	574	578	572	576	568	581	577	573	568	565	566	569	565	570	564	572	578	582	581	585	587	583	582	583	575
13	574	577	575	591	591	587	587	582	577	575	573	572	573	574	581	582	573	577	575	577	581	574	573	581	578
14	595	584	578	576	582	589	587	582	577	570	569	572	572	577	582	574	569	581	577	582	585	577	578	575	579
15 Q	577	579	578	582	582	585	583	582	577	571	563	566	572	570	573	577	577	577	583	587	588	591	586	588	579
16 Q	587	587	586	586	587	587	590	588	581	573	572	568	570	572	577	582	587	588	591	568	573	582	583	583	581
17	583	583	582	582	582	582	585	580	573	569	565	564	565	568	577	582	583	591	589	566	574	582	590	592	579
18	610	594	609	599	600	599	597	586	582	583	563	570	564	568	560	578	565	577	596	564	547	573	583	578	581
19	577	580	572	569	582	571	583	573	570	562	558	554	559	568	570	574	587	583	582	576	583	580	579	582	574
20	582	582	582	582	582	586	587	588	581	564	560	561	560	569	568	578	586	582	583	588	591	591	591	592	580
21	596	591	582	591	573	577	577	568	568	561	555	552	553	556	583	578	584	579	577	582	587	550	602	576	575
22	579	577	573	553	593	568	577	571	564	557	527	552	555	569	571	567	593	588	581	577	582	578	591	591	572
23	585	562	581	567	569	573	577	577	565	562	554	565	573	568	587	591	582	586	587	586	583	587	600	591	577
24	582	574	581	575	581	590	579	571	565	558	553	559	571	580	575	584	581	581	583	590	590	587	613	581	579
25 Q	590	571	581	582	581	585	584	580	567	556	552	554	565	571	577	578	581	578	585	587	586	585	585	582	577
26 Q	582	582	582	583	586	587	590	585	575	562	554	557	571	580	588	590	590	583	585	586	589	588	589	587	581
27	586	585	586	587	589	590	590	586	577	567	558	562	572	580	588	591	590	591	579	587	595	594	591	593	584
28 D	604	590	552	570	581	585	578	580	568	562	540	554	573	591	567	604	581	564	581	576	563	549	570	558	573
29 D	564	567	558	559	568	567	566	558	541	522	517	517	535	559	579	559	572	567	577	569	605	564	576	576	560
30 D	565	567	581	576	566	538	568	587	559	535	550	552	563	541	567	563	573	567	604	565	576	559	572	557	565
31 D	534	526	534	546	554	526	552	550	527	533	504	507	526	556	573	558	575	583	601	577	573	566	576	572	551
Mean.	577	573	573	574	580	576	577	576	569	559	555	556	563	570	576	577	578	580	581	580	581	579	579	576	574

10.5 / 0.2 B 1932 031 01 BB140

MAGNETIC DECLINATION (WEST).

Mean values for periods of sixty minutes ending at the Hours of Greenwich Mean Time.
14°+

278. Eskdalemuir. March, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	26·7	26·6	26·5	26·7	26·8	26·7	26·6	26·6	26·7	26·8	27·2	28·3	29·7	30·4	30·4	29·6	29·0	28·5	27·7	27·7	27·7	27·5	27·4	27·4	27·7
2	27·3	26·8	25·6	26·9	27·0	26·6	26·7	26·7	26·2	26·1	26·6	28·9	30·8	31·6	32·6	30·6	29·6	29·7	31·8	25·6	27·6	22·4	12·6	26·6	27·2
3	25·6	26·1	24·5	24·6	26·6	25·6	25·8	25·9	26·0	26·2	32·6	34·9	34·2	32·4	31·2	29·1	27·2	26·5	24·8	19·6	20·7	23·8	21·6	16·6	26·3
4	23·6	26·7	27·8	32·2	25·6	24·9	29·6	27·7	24·9	26·2	27·7	29·8	34·9	31·4	32·9	32·3	29·5	27·4	18·6	18·6	19·5	21·6	18·6	25·5	26·6
5	23·7	31·6	26·8	24·5	23·6	27·4	27·0	26·5	29·4	29·6	28·0	28·2	29·9	31·3	31·4	30·9	28·9	24·3	26·6	20·8	16·6	14·6	18·6	23·0	26·0
6	20·6	20·8	23·5	26·6	25·9	25·7	27·4	26·9	25·6	27·7	27·6	31·6	32·4	32·6	31·3	29·9	22·8	27·2	31·5	12·6	23·6	25·5	22·8	24·5	26·1
7	24·5	25·7	27·2	27·2	26·6	25·8	24·4	25·6	25·6	25·7	28·8	29·8	31·2	31·6	30·6	27·4	25·8	27·5	24·6	22·5	22·7	20·6	22·8	19·4	26·0
8	17·6	19·2	29·6	26·5	22·7	28·6	26·6	29·8	30·1	29·7	27·6	27·7	29·7	31·2	30·6	30·6	29·7	25·4	23·8	24·6	24·6	21·6	19·6	26·7	26·4
9	28·9	24·9	29·7	29·5	23·6	24·7	26·4	24·9	24·2	25·4	26·8	29·8	30·7	33·5	33·6	32·6	31·4	16·8	22·6	28·5	18·7	13·7	16·6	23·3	25·9
10 D	22·8	28·6	24·6	20·4	20·7	22·6	24·5	24·9	25·6	28·7	29·8	31·6	30·3	31·2	32·6	31·1	20·7	21·8	20·6	18·5	15·8	22·4	24·4	16·7	24·6
11	29·8	15·6	19·1	20·9	19·6	23·2	25·6	27·6	27·9	26·6	29·8	29·9	31·8	31·6	30·8	26·6	27·9	25·6	23·9	24·6	24·8	24·2	25·6	26·7	25·8
12	27·9	25·8	25·8	23·7	26·6	26·9	26·7	26·8	27·7	28·7	29·7	29·7	31·5	31·7	31·4	30·7	28·6	28·0	25·8	25·5	24·6	24·8	23·5	21·7	27·2
13	23·8	23·4	24·8	27·4	24·5	24·5	25·6	25·4	25·5	25·9	27·8	29·4	30·4	30·5	30·8	32·0	31·7	31·5	29·6	29·0	26·6	21·7	24·8	25·9	27·2
14	25·1	23·3	23·6	22·7	23·2	25·6	23·9	25·4	25·5	26·2	28·8	29·7	30·4	31·7	32·6	33·2	31·4	29·8	28·4	27·6	27·4	25·6	23·8	24·1	27·0
15 Q	25·8	26·9	27·4	26·6	27·4	25·8	25·8	24·5	24·9	26·2	28·9	30·7	32·7	33·2	31·8	30·9	30·3	29·2	28·7	27·6	27·5	27·4	26·7	26·8	28·1
16 Q	25·9	26·5	26·5	26·6	26·4	25·9	25·7	24·7	24·4	24·7	27·5	29·4	31·4	31·7	30·8	28·9	27·6	27·4	27·4	25·3	24·1	26·5	26·6	26·8	27·0
17	26·7	26·8	26·7	26·2	26·4	26·1	24·9	24·3	23·7	24·5	26·6	29·7	31·8	32·6	31·7	30·2	28·5	28·5	27·7	23·5	24·6	26·4	27·1	26·9	27·2
18	26·2	27·6	23·4	21·8	22·2	23·6	25·4	27·4	24·9	27·7	28·6	32·6	33·0	34·4	33·6	32·9	29·6	26·9	0·6	10·4	19·7	27·2	26·5	26·4	25·5
19	26·4	28·6	25·7	30·8	26·5	25·8	25·6	24·2	24·2	25·6	28·5	30·8	32·7	32·6	31·9	29·8	28·6	27·3	25·2	23·6	23·6	26·0	26·8	27·7	27·4
20	26·7	27·3	26·6	26·7	26·0	26·6	26·4	26·1	25·1	24·9	27·6	30·5	32·3	33·9	33·0	31·6	30·7	27·5	23·6	23·2	25·8	26·7	26·6	26·6	27·6
21	24·6	26·6	30·9	21·6	25·6	25·6	27·4	28·5	27·8	25·8	27·6	20·8	33·9	34·8	35·6	33·9	26·6	27·7	26·6	24·4	18·6	13·8	25·8	20·9	26·9
22	24·1	27·5	30·3	31·6	26·6	26·0	27·6	26·2	25·9	26·2	28·7	30·8	35·6	34·4	33·4	31·2	25·6	22·6	23·9	19·8	16·4	23·8	28·6	24·7	27·2
23	29·6	26·2	21·6	24·8	25·3	25·3	25·1	24·8	24·6	25·9	28·2	30·4	32·8	31·9	30·7	29·9	28·4	27·7	27·6	27·6	26·7	26·0	23·6	25·2	27·1
24	23·5	28·6	26·6	25·5	26·6	26·5	25·5	24·2	23·8	24·5	26·6	29·6	32·0	33·0	31·4	30·0	28·6	27·8	26·4	26·6	26·6	24·6	25·0	24·6	27·0
25 Q	25·6	24·5	28·6	25·8	26·3	25·8	25·5	24·1	23·2	23·8	26·1	29·6	31·8	32·1	30·8	29·3	27·8	27·2	27·1	26·9	26·6	25·6	25·7	26·6	26·9
26 Q	26·6	26·5	26·5	26·5	26·3	26·5	25·8	24·4	23·0	23·6	26·1	29·6	32·1	32·4	30·6	28·5	27·0	26·7	26·7	26·6	27·0	26·8	26·7	26·4	27·0
27	26·7	26·4	26·5	26·4	26·1	25·7	25·3	23·9	23·0	24·7	27·6	30·0	32·0	31·7	30·7	29·6	28·8	28·8	28·7	26·9	27·6	27·8	27·4	26·5	27·5
28 D	23·7	16·8	13·7	21·6	22·6	22·5	24·0	24·2	23·7	25·6	28·9	33·0	34·5	37·7	36·7	35·9	35·6	27·7	28·7	27·6	22·5	18·9	19·9	21·5	26·1
29 D	23·9	19·7	16·5	18·9	24·3	24·0	23·9	23·9	24·9	29·5	33·1	33·3	36·0	30·6	33·7	26·9	29·9	28·9	22·7	23·7	15·7	23·6	28·7	26·8	26·0
30 D	27·9	28·7	24·0	22·7	23·8	25·5	30·7	27·7	26·0	25·5	27·0	29·5	32·7	33·8	35·1	35·3	32·0	25·7	9·7	21·3	20·7	21·7	24·7	15·7	26·1
31 D	19·9	18·0	20·8	26·7	23·7	26·9	25·0	27·3	29·4	30·1	31·2	35·3	35·8	32·7	29·5	28·5	23·9	22·8	20·5	16·8	22·7	23·9	24·0	24·3	25·8
Mean.	25·2	25·1	25·2	25·5	25·0	25·6	26·0	25·8	25·6	26·4	28·3	30·5	32·3	32·5	32·1	30·6	28·5	26·8	24·6	23·5	23·1	23·4	24·0	24·3	26·7

308

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

633

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

44,000 γ (·44 C.G.S.unit) +

279. Eskdalemuir. March, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	938	938	938	938	938	937	936	934	934	934	934	934	935	935	938	938	938	938	938	938	938	938	937	937	937
2	937	936	935	934	934	934	933	931	931	930	926	924	924	926	927	929	931	936	951	978	973	981	976	952	940
3	907	907	915	912	918	924	930	934	933	940	943	941	947	956	951	953	952	953	952	953	950	943	941	916	936
4	911	922	924	895	897	915	920	916	924	928	928	934	937	943	942	944	950	953	955	935	937	938	933	924	929
5	923	884	907	924	927	928	928	929	932	932	933	929	929	932	940	951	962	962	953	946	940	915	911	917	931
6	910	893	906	919	927	928	931	931	931	929	930	927	932	939	940	943	955	945	944	945	943	939	932	919	931
7	926	931	932	933	933	933	932	932	931	932	932	931	931	932	937	950	961	958	956	948	945	943	927	892	936
8	889	915	910	880	901	906	913	918	923	926	926	927	926	927	932	939	943	953	958	949	936	924	927	927	924
9	917	917	903	902	913	922	922	926	927	926	926	927	932	936	940	944	951	961	955	943	943	918	907	914	928
10 D	922	895	870	895	891	897	909	918	921	920	917	921	928	928	936	944	970	981	968	955	918	913	902	910	922
11	855	845	875	887	887	899	909	913	918	922	923	923	927	932	935	947	944	944	945	941	935	926	927	928	916
12	917	918	924	927	930	929	930	931	930	927	926	926	927	935	941	944	943	942	943	940	936	934	934	932	932
13	930	927	927	921	918	921	922	925	925	924	922	922	923	923	927	933	936	942	947	947	947	947	943	939	931
14	934	928	929	930	929	926	925	923	920	917	920	922	925	926	929	934	939	938	938	937	935	937	937	935	930
15 Q	932	930	930	929	929	929	929	930	929	925	922	924	925	929	936	943	942	941	938	937	935	934	934	933	932
16 Q	931	932	932	930	930	931	930	930	930	929	925	925	925	928	930	933	933	931	933	941	943	937	934	934	932
17	931	931	930	931	931	931	932	933	933	932	928	924	921	923	928	932	933	933	933	945	945	941	936	933	932
18	922	920	909	916	919	920	923	924	924	920	920	919	920	924	929	940	951	957	980	972	971	937	931	931	932
19	928	921	924	924	921	928	929	932	930	927	924	922	923	925	930	933	936	937	936	939	937	934	933	932	929
20	931	932	932	931	929	928	928	929	929	929	925	921	921	922	929	933	936	938	943	940	933	932	933	932	931
21	920	895	887	891	904	910	915	916	916	916	914	909	913	921	928	936	946	948	945	944	942	936	898	915	919
22	916	920	916	899	898	909	913	919	925	923	928	929	929	936	931	936	945	946	942	945	939	928	909	905	925
23	898	874	891	907	916	920	925	928	928	923	919	919	920	925	928	933	933	933	931	930	931	932	925	916	920
24	919	914	911	919	920	920	924	928	927	921	923	919	916	921	924	928	931	931	930	928	928	929	916	916	923
25 Q	917	920	916	920	924	924	926	928	928	925	919	915	916	919	924	927	928	928	927	927	928	928	928	925	924
26 Q	926	926	927	928	928	926	926	927	926	925	921	916	917	918	921	925	928	929	929	929	928	926	926	926	925
27	926	926	926	926	926	927	929	929	925	923	920	917	916	919	922	925	926	927	931	936	932	929	929	929	926
28 D	917	899	901	904	916	920	921	921	921	917	917	916	916	917	925	932	964	1016	1027	1006	951	952	938	929	935
29 D	888	867	887	900	917	924	930	931	930	926	924	931	935	949	944	968	958	954	963	960	939	923	925	909	928
30 D	893	873	895	908	916	896	892	900	909	917	919	921	922	935	944	949	955	969	978	964	947	914	879	866	919
31 D	837	840	880	889	900	880	883	897	906	908	918	927	934	939	948	959	974	977	972	956	935	934	933	922	919
Mean.	915	909	913	915	918	920	922	925	926	925	924	924	926	930	933	940	945	948	950	947	940	934	927	922	928

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

280. Eskdalemuir. March, 1932.

Terrestrial Magnetic Elements

Day.	Horizontal Force. Maximum 16,000γ + h.	m.	γ	Minimum 16,000γ + γ	h.	m.	Range γ	Declination. Maximum 14° + h.	m.	′	Minimum 14° + ′	h.	m.	Range ′	Vertical Force. Maximum 44,000γ + h.	m.	γ	Minimum 44,000γ + γ	h.	m.	Range γ	HR_H+VR_V § $10,000\gamma^2$	Magnetic Character of Day. (0 - 2)	Temperature in Magnet House. 200 + °A
1 Q	7	38	598	573	13	30	25	14	2	30·7	26·3	2	0	4·4	15	15	939	933	10	0	6	68	0	82·4
2	17	11	630	537	22	30	93	13	52	34·4	4·5	22	12	29·9	21	52	1004	922	11	52	82	522	2	82·4
3	23	32	613	496	9	55	117	12	25	37·4	10·5	23	22	26·9	13	9	960	901	1	7	59	459	1	82·4
4	18	57	667	509	22	55	158	12	56	36·4	8·5	18	48	27·9	18	36	972	887	3	50	85	644	1	82·3
5	21	0	650	533	1	9	117	15	12	33·5	8·6	22	14	24·9	17	3	967	873	1	37	94	616	2	82·3
6	22	54	626	528	12	0	98	12	32	33·8	9·6	19	24	24·2	16	15	957	886	1	7	71	482	1	82·3
7	19	10	594	490	23	47	104	12	20	33·6	7·6	24	0	26·0	16	42	962	871	24	0	91	582	1	82·3
8	20	51	624	515	0	1	109	2	49	38·8	4·6	0	5	34·2	18	48	961	868	3	9	93	599	1	82·2
9	21	22	678	527	22	46	151	14	39	36·5	-1·8	21	10	38·3	17	8	964	900	2	39	64	538	1	82·2
10 D	20	9	680	509	11	10	171	15	39	34·6	-3·4	20	6	38·0	17	44	982	862	2	17	120	823	2	82·2
11	21	33	633	431	0	38	202	0	33	44·6	8·6	1	34	36·0	15	48	948	785	0	51	163	1067	2	82·2
12	20	41	595	554	14	48	41	14	18	32·6	20·9	23	15	11·7	15	25	944	917	0	50	27	189	1	82·1
13	4	0	596	563	21	49	33	16	13	32·6	20·2	21	11	12·4	21	7	949	918	4	28	31	194	1	82·1
14	0	52	601	555	9	59	46	14	29	34·0	21·7	3	35	12·3	16	14	942	917	9	20	25	188	1	82·1
15 Q	16	18	592	557	10	51	35	13	33	33·6	24·6	8	25	9·0	16	4	945	921	10	40	24	166	0	82·1
16 Q	17	59	596	563	19	44	33	14	12	32·5	21·2	20	8	11·3	19	55	946	924	11	40	22	154	0	82·1
17	24	0	614	559	11	58	55	12	53	32·9	18·6	19	51	14·3	19	54	951	920	12	36	31	230	1	82·1
18	18	56	656	518	19	24	138	13	38	36·6	-8·4	18	50	45·0	18	16	1002	907	2	38	95	656	1	82·1
19	16	31	597	543	11	29	54	3	11	33·6	21·5	8 19	10 52	12·1	19	50	942	919	4	0	23	193	1	82·1
20	23	54	614	558	13	50	56	13	48	35·6	19·3	18	10	16·3	18	4	946	920	11	45	26	210	1	82·1
21	1	3	628	536	21	42	92	13	30	36·6	7·6	20	40	29·0	20	36	950	885	2	19	65	445	1	82·1
22	22	54	620	509	10	33	111	12	58	37·7	13·7	20	10	24·0	19	28	949	895	4	32	54	426	1	82·1
23	0	41	614	545	10	9	69	0	47	37·4	17·6	2	3	19·8	16	0	933	864	1	3	69	425	1	82·0
24	22	14	627	549	9	58	78	13	35	34·4	21·9	0	38	12·5	16	11	932	908	2	0	24	237	1	82·0
25 Q	0	25	594	549	11	0	45	13	20	32·6	20·7	1	20	11·9	17	10	929	915	12	17	14	138	0	82·1
26 Q	7	8	592	552	10	33	40	13	29	32·7	22·7	8	50	10·0	18	5	930	914	12	12	16	138	0	82·1
27	23	59	618	558	10	22	60	12	45	32·7	22·8	8	32	9·9	19	25	937	916	12	27	21	194	0	82·1
28 D	15	5	650	477	20	43	173	19	34	40·8	8·4	2	9	32·4	19	12	1045	896	1	40	149	956	1	82·1
29 D	20	42	679	503	11	40	176	12	48	37·8	0·7	20	25	37·1	15	49	982	862	0	33	120	831	2	82·1
30 D	20	42	662	512	13	21	150	15	22	36·9	4·6	20	38	32·3	17	54	988	861	23	20	127	819	2	82·1
31 D	18	33	702	472	11	18	230	12	10	37·9	4·8	19	50	33·1	17	20	987	806	0	50	181	1195	2	82·1
Mean.	--	--	627	528	--	--	99	--	--	35·3	12·5	--	--	22·8	--	--	960	893	--	--	67	464	1·03	82·2
No. of Days Used	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see page 175. Q denotes an International Quiet Day, while D denotes a disturbed day used for the computation of tables 323-334.

042

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

281. Eskdalemuir. 16,000 γ (·16 C.G.S. unit) + April, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	23-24	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	560	571	565	568	587	572	576	570	547	543	544	548	559	571	590	590	567	578	578	587	586	598	572	587	571
2 D	610	543	531	582	566	577	559	544	541	538	526	526	542	558	579	582	576	573	581	572	572	590	600	567	564
3	562	569	559	555	572	572	568	562	556	550	538	539	552	571	568	568	577	594	576	581	581	568	564	582	566
4	570	572	567	572	586	573	564	567	550	540	553	557	567	549	573	576	587	572	586	581	582	581	578	580	570
5	581	577	581	549	581	554	551	541	581	572	553	549	543	571	578	575	591	581	580	576	587	613	577	580	572
6	586	573	571	577	553	581	579	562	544	569	548	557	564	567	583	576	572	586	587	591	582	595	576	572	573
7 D	576	565	539	574	581	576	563	553	568	544	490	530	539	558	572	564	573	577	594	590	569	577	572	566	563
8	595	553	572	576	570	566	563	553	549	543	546	548	554	574	582	586	576	584	590	572	571	575	581	597	570
9	572	594	562	581	577	573	570	568	563	558	550	538	549	567	575	580	586	604	599	573	567	579	582	586	573
10	591	576	582	578	571	580	565	557	558	550	541	534	541	564	571	577	590	589	585	583	599	581	575	577	571
11	577	577	576	576	576	575	581	575	559	554	549	545	552	567	577	583	582	586	586	592	585	580	578	585	574
12 Q	578	581	580	573	585	587	588	582	572	562	558	558	562	576	573	588	586	586	590	588	586	586	586	588	579
13 D	586	586	588	587	592	590	594	591	587	579	571	573	574	581	590	609	623	570	590	597	587	544	595	567	585
14	570	562	563	553	563	576	567	568	542	542	533	534	545	559	572	567	590	591	591	590	588	590	590	587	568
15	590	595	587	567	573	572	571	570	571	553	539	546	552	565	576	579	577	581	590	598	604	586	582	583	575
16	586	581	581	575	581	590	587	582	576	558	541	517	539	553	569	586	577	592	585	590	591	591	593	604	576
17	596	584	581	583	581	586	586	577	548	552	556	558	555	567	575	581	590	585	592	594	591	601	595	590	579
18	591	614	578	549	573	567	576	553	567	553	521	531	562	572	582	609	586	595	604	574	578	588	571	567	573
19 Q	570	568	578	581	585	584	582	579	572	563	558	563	568	580	590	587	586	591	599	591	591	587	590	591	581
20 Q	588	585	585	586	585	587	590	581	567	556	554	553	564	571	581	588	590	590	590	590	589	586	589	590	581
21 Q	587	585	585	585	582	581	584	581	574	566	563	563	569	572	579	578	581	590	591	593	590	586	587	587	581
22	587	587	587	589	588	591	594	586	572	574	572	559	576	580	589	595	586	587	590	590	584	587	610	587	585
23 D	581	581	577	567	575	577	581	563	568	539	521	526	527	570	581	579	590	604	609	576	599	604	585	579	573
24 D	563	572	564	544	567	567	556	553	555	535	499	541	580	582	576	600	577	599	618	599	581	590	636	612	574
25	544	581	567	568	560	572	569	549	539	534	548	554	567	572	568	596	602	599	614	581	576	590	591	569	571
26	589	582	566	559	567	553	581	587	576	550	548	553	563	572	571	573	605	595	604	587	587	598	591	596	577
27	586	581	567	581	569	558	572	563	544	536	552	557	553	563	558	572	588	595	604	604	576	576	587	582	572
28	579	565	564	576	576	572	569	572	571	565	557	558	564	578	564	576	590	609	596	622	613	581	563	571	577
29	579	568	569	567	581	576	569	554	559	559	562	558	558	563	575	571	589	608	610	598	585	587	595	577	576
30 Q	579	581	582	576	581	581	575	579	577	564	559	560	566	576	581	581	594	607	587	591	586	587	587	585	580
Mean.	580	577	572	572	576	576	574	567	562	553	545	548	557	569	577	582	586	590	593	588	585	586	586	583	574

041

MAGNETIC DECLINATION (WEST).

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

282. Eskdalemuir. 14°+ April, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	25·9	27·0	25·6	27·9	25·0	24·7	23·6	23·5	23·1	26·7	28·7	29·5	31·0	31·3	32·0	32·7	28·7	28·7	28·5	28·4	25·7	12·7	24·5	26·9	26·8
2 D	31·0	19·9	15·9	25·1	22·5	22·8	24·5	28·7	30·8	27·7	30·3	33·2	36·7	35·9	32·7	30·7	23·7	27·4	25·8	13·7	25·9	26·7	34·4	27·7	27·2
3	23·7	24·7	23·5	28·8	21·9	24·7	22·9	22·3	22·8	26·4	29·7	33·6	32·6	33·6	33·0	29·0	27·7	27·3	18·7	25·2	22·7	21·5	23·7	29·0	26·2
4	26·6	22·7	27·3	26·8	22·5	21·8	24·3	22·5	23·0	26·8	29·3	31·8	33·5	31·6	30·2	28·9	27·7	25·8	26·6	24·6	20·6	19·1	26·8	27·4	26·2
5	22·6	18·9	20·8	23·6	24·7	23·6	21·6	23·6	21·6	22·7	25·6	29·6	31·6	33·3	29·8	29·8	23·6	24·5	27·8	26·1	25·5	26·6	23·5	25·7	25·3
6	28·4	24·6	28·8	25·9	30·6	23·7	22·8	21·5	24·2	25·7	28·1	31·4	34·3	34·5	32·8	31·5	25·6	24·2	24·8	23·6	25·6	12·6	18·6	24·6	26·1
7 D	21·6	20·6	26·8	22·8	19·9	22·6	21·6	25·6	23·8	24·7	30·1	33·6	35·8	36·6	27·9	32·1	30·8	29·1	18·6	20·8	25·6	25·6	31·0	24·6	26·3
8	18·7	19·4	22·1	23·0	26·6	27·1	26·8	24·7	24·7	24·6	27·6	30·2	32·0	33·6	32·5	25·6	28·3	27·8	26·6	20·7	24·8	25·7	25·7	27·6	26·1
9	24·8	25·7	25·4	28·6	24·1	22·4	23·8	23·9	23·7	24·8	29·1	30·8	32·6	31·5	31·8	31·0	29·4	21·7	18·6	16·7	26·5	26·6	26·2	25·2	26·0
10	28·7	25·7	27·4	24·8	26·2	26·5	25·7	24·2	23·6	23·3	26·0	29·5	29·9	31·7	31·5	29·7	28·2	26·7	24·9	24·9	22·3	21·3	23·7	26·7	26·4
11	24·8	25·9	25·7	24·8	24·7	25·3	24·8	22·8	22·4	23·7	26·7	29·0	31·6	32·0	31·4	29·8	28·7	28·0	26·8	25·5	30·6	28·7	22·9	24·4	26·7
12 Q	20·6	23·6	24·2	25·6	25·5	24·1	23·6	22·6	21·8	22·7	26·0	28·8	30·0	31·0	29·7	29·8	28·9	28·0	26·8	26·0	26·4	25·8	26·1	25·9	26·0
13 D	25·9	25·8	25·5	25·4	24·7	25·0	24·6	22·7	21·8	22·6	25·6	28·3	30·9	32·0	31·9	31·7	31·7	29·7	29·7	27·0	17·7	18·7	19·0	19·7	25·7
14	27·9	27·7	26·9	30·2	25·8	23·2	23·7	24·3	25·3	26·7	27·2	28·5	30·8	32·5	32·8	32·0	29·1	29·0	20·7	26·7	26·7	26·4	25·8	25·7	27·3
15	26·8	30·7	25·8	28·8	23·9	24·9	24·7	23·0	22·6	23·4	26·4	28·6	31·7	31·7	30·7	29·0	28·2	27·6	27·2	25·7	21·7	21·9	25·6	25·7	26·5
16	25·8	24·9	27·0	26·7	26·2	24·5	24·2	22·9	23·2	23·7	25·7	28·5	29·7	31·8	32·0	31·4	30·7	28·7	27·5	26·5	26·7	26·4	24·9	26·8	26·9
17	22·9	23·6	29·1	25·9	25·0	24·8	24·6	24·3	25·0	27·0	28·7	27·9	29·8	30·9	30·7	30·5	30·1	29·0	26·4	24·5	24·8	24·4	24·2	21·9	26·5
18	24·4	28·8	21·8	28·9	27·3	27·7	28·0	27·8	25·4	24·3	27·0	30·6	32·6	31·8	32·7	28·6	27·6	24·8	24·4	24·9	25·7	25·8	23·6	18·8	26·8
19 Q	21·8	23·1	27·8	25·7	24·7	24·4	23·8	23·4	23·0	25·0	26·7	29·1	30·8	32·3	31·8	30·5	29·4	28·3	27·4	27·5	25·6	23·6	22·6	24·6	26·4
20 Q	25·7	25·8	25·9	25·8	24·8	24·4	23·1	22·5	23·0	24·1	25·8	28·9	32·0	32·3	30·4	28·0	27·0	26·4	25·8	25·8	25·4	25·5	25·9	25·8	26·3
21 Q	26·3	25·8	25·8	25·5	24·7	24·7	24·0	22·9	22·6	22·7	24·4	27·1	30·0	30·8	29·7	28·5	27·1	25·2	24·8	25·3	25·7	25·8	25·8	25·8	25·9
22	25·9	25·9	26·0	25·8	25·5	24·8	22·9	22·1	23·6	24·0	27·5	27·6	32·6	33·7	36·5	37·9	30·9	30·6	28·8	27·0	25·1	26·6	25·7	22·8	27·5
23 D	26·4	25·7	26·1	28·1	25·4	22·0	21·9	23·8	23·5	25·7	29·8	30·4	30·8	32·7	27·8	30·9	31·1	25·1	21·7	26·8	23·3	21·8	20·0	19·8	25·9
24 D	14·5	15·7	19·7	22·0	20·3	20·8	23·7	27·0	24·9	25·7	31·5	30·8	29·7	32·5	30·9	32·1	32·3	32·3	25·9	18·7	25·8	25·9	22·7	14·8	25·0
25	18·5	27·6	21·9	21·7	22·9	23·7	23·5	24·7	24·2	26·0	26·0	29·0	29·3	30·5	29·7	30·8	31·9	27·7	22·8	23·1	23·9	28·7	22·7	21·5	25·5
26	28·7	21·7	13·7	24·7	24·6	23·7	25·0	22·3	20·7	24·3	25·6	28·8	29·7	32·4	31·7	28·9	29·6	23·6	23·8	25·7	24·9	24·7	22·7	16·8	24·9
27	15·7	17·9	22·5	22·3	21·9	26·9	23·6	24·3	25·2	26·5	24·2	25·7	28·3	30·9	30·9	31·3	30·0	28·7	24·5	17·8	20·6	25·2	29·8	26·7	25·1
28	21·7	25·5	27·8	27·9	24·8	24·0	24·9	23·9	22·2	22·7	24·7	26·2	28·4	31·0	30·5	30·1	28·7	26·7	26·7	24·3	16·2	19·4	20·2	25·7	25·2
29	25·8	23·2	24·7	23·4	23·6	23·1	23·5	24·3	24·3	23·9	24·1	26·3	28·6	29·8	29·5	29·1	28·7	28·0	24·2	22·5	24·1	24·7	26·9	24·7	25·5
30 Q	24·8	24·9	24·5	24·2	25·6	21·7	23·7	22·5	23·5	25·2	26·2	28·5	29·2	29·6	28·9	28·4	28·2	28·6	26·9	24·7	25·5	24·4	24·7	25·3	25·8
Mean.	24·2	24·1	24·5	25·7	24·5	24·1	24·0	23·8	23·6	24·8	27·1	29·4	31·2	32·2	31·1	30·3	28·8	27·3	25·1	24·0	24·4	23·8	24·7	24·3	26·1

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

043

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

283. Eskdalemuir. 44,000 γ (·44 C.G.S.unit) + April, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	913	917	915	905	901	915	923	929	930	927	926	925	923	925	928	943	956	947	943	938	939	936	935	924	928
2 D	858	844	845	849	896	909	912	916	913	917	921	921	930	946	943	947	956	941	944	956	941	929	891	888	913
3	904	917	918	904	905	915	918	924	925	921	920	920	927	926	934	939	938	942	962	947	942	932	926	909	926
4	893	914	914	913	913	918	922	922	922	915	915	916	923	935	936	936	945	949	945	944	944	940	928	879	924
5	887	885	877	897	884	877	898	910	915	918	918	919	925	928	948	954	960	960	949	946	940	918	922	918	919
6	910	916	916	920	906	903	920	925	927	923	917	911	914	922	929	937	951	959	957	941	937	939	922	921	926
7 D	914	894	865	885	901	909	909	909	911	918	923	923	924	932	970	955	945	946	950	949	944	940	929	876	922
8	873	886	908	917	920	920	921	929	929	930	926	924	924	927	939	959	953	946	948	954	946	939	937	927	928
9	930	927	923	913	923	925	929	929	930	927	924	927	927	933	937	941	946	951	953	951	943	938	937	933	933
10	921	921	921	924	924	925	933	934	933	931	927	925	925	926	933	938	939	942	946	943	940	934	933	929	931
11	926	926	930	933	934	935	935	938	937	932	931	931	931	930	933	937	940	942	943	943	941	942	936	925	935
12 Q	919	927	931	932	927	930	932	935	935	935	931	926	925	926	935	939	942	944	947	944	944	943	942	940	935
13 D	940	939	939	939	938	939	939	939	937	932	928	923	922	922	927	935	958	974	960	952	952	934	911	916	937
14	918	902	903	906	907	919	928	932	935	933	932	931	926	926	936	945	948	958	965	949	944	942	940	937	932
15	933	912	903	901	911	927	932	939	939	937	932	929	927	928	934	939	943	943	941	945	945	937	938	937	931
16	937	940	938	937	934	934	937	937	938	938	941	944	939	937	938	946	947	948	949	947	945	945	945	938	941
17	924	927	924	928	935	937	938	940	941	938	937	931	930	933	941	945	947	950	952	950	950	941	926	931	937
18	920	908	913	913	908	919	922	929	931	936	942	942	937	947	953	968	954	972	962	958	952	939	912	925	936
19 Q	927	935	933	936	939	940	942	942	940	939	936	934	933	934	939	939	940	942	943	945	947	951	947	941	939
20 Q	940	942	942	942	942	940	939	939	939	939	939	934	932	936	939	942	944	943	943	944	943	944	943	943	941
21 Q	944	944	944	944	944	944	943	943	944	940	937	934	931	933	938	943	946	950	949	948	944	944	944	944	942
22	944	944	944	944	944	943	941	941	940	931	925	925	926	931	940	954	978	970	958	953	954	950	932	932	943
23 D	934	941	941	930	924	932	936	937	936	934	932	930	944	945	958	958	953	963	965	963	948	925	920	920	940
24 D	916	891	875	889	915	927	928	928	926	929	934	928	931	933	937	940	949	953	975	970	958	952	928	907	930
25	904	874	903	925	933	933	932	930	933	934	933	931	932	934	942	949	952	975	980	980	973	942	917	914	936
26	886	875	886	879	891	904	916	924	930	930	933	938	938	943	945	949	955	972	975	968	959	951	930	929	929
27	927	909	900	913	917	908	916	923	930	933	936	937	936	942	948	951	955	955	962	973	964	954	942	916	935
28	927	933	917	917	920	927	934	939	943	943	943	939	936	939	952	956	956	960	962	955	948	943	944	939	941
29	929	927	928	934	936	941	940	939	937	937	936	934	935	939	943	949	950	952	960	964	956	952	938	938	941
30 Q	944	946	944	943	931	932	935	935	938	935	935	934	932	934	935	939	943	949	952	952	951	948	947	947	941
Mean.	918	915	915	917	920	924	928	931	932	931	930	929	930	933	940	946	950	953	955	952	948	941	931	924	933

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

284. Eskdalemuir. April, 1932.

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination. Maximum 14° +			Minimum 14° +			Range	Vertical Force. Maximum 44,000 γ +			Minimum 44,000 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	23	59	641	536	8	47	105	14	51	33·6	6·7	21	13	26·9	16	20	959	895	24	0	64	461	1	82·1
2 D	22	14	645	466	2	48	179	12	29	38·8	5·7	19	9	33·1	19	4	961	815	3	0	146	953	2	82·1
3	18	38	632	512	18	12	120	14	24	34·7	8·4	18	32	26·3	18	30	968	889	24	0	79	554	1	82·1
4	23	26	604	530	13	19	74	12	58	35·5	17·4	21	0	18·1	16	55	952	870	23	40	82	491	1	82·1
5	21	6	673	521	11	55	152	13	50	35·5	16·0	3	3	19·5	16	49	965	872	2	27	93	670	1	82·1
6	18	50	627	536	4	12	91	12	58	36·3	9·6	21	43	26·7	17	30	961	897	5	0	64	438	1	82·1
7 D	24	0	643	475	10	33	168	13	31	39·8	13·5	23	58	26·3	14	21	979	851	2	42	128	854	2	82·1
8	0	4	663	525	11	10	138	14	7	34·5	13·6	1	0	20·9	15	40	962	870	0	26	92	642	1	82·1
9	17	15	618	526	11	49	92	12	22	33·6	14·6	18	50	19·0	18	2	955	910	3	38	45	355	1	82·1
10	20	32	632	526	10	48	106	13	55	32·6	18·6	20	28	14·0	18	30	946	917	0	50	29	306	1	82·1
11	19	55	613	543	11	48	70	13	30	32·6	20·6	22	50	12·0	19	40	944	913	24	0	31	255	0	82·1
12 Q	19	5	595	554	12	12	41	14	0	31·3	18·7	0	27	12·6	18	50	947	914	0	5	33	216	0	82·0
13 D	15	57	664	517	21	30	147	16	12	34·3	-1·3	21	0	35·6	17	16	982	901	22	0	81	608	1	82·0
14	18	36	622	516	11	0	106	3	34	34·6	14·7	18	31	19·9	18	7	969	897	4	0	72	499	1	82·0
15	20	28	641	524	10	40	117	1	1	35·1	19·6	20	41	15·5	20	10	953	898	3	45	55	441	1	82·0
16	23	55	627	512	11	2	115	14	0	32·7	22·4	7	15	10·3	18	3	951	922	24	0	29	321	1	82·1
17	16	15	632	535	8	47	97	16	5	31·9	20·3	23	47	11·6	18	42	954	920	0	10	34	314	1	82·1
18	17	58	673	498	11	3	175	14	38	34·3	12·0	17	51	22·3	16	43	976	903	1	50	73	623	1	82·1
19 Q	18	48	611	557	10	52	54	13	30	33·6	20·3	0	1	13·3	21	35	952	926	0	20	26	207	0	82·1
20 Q	20	28	592	548	11	25	44	12	59	33·1	21·9	7	41	11·2	16	42	944	930	12	0	14	136	0	82·1
21 Q	18	17	598	558	11	28	40	13	33	31·0	22·3	8	20	8·7	18	0	952	931	12	30	21	160	0	82·0
22	22	13	632	526	11	12	106	15	23	38·9	21·1	7	38	17·8	16	38	987	922	11	9	65	468	1	82·0
23 D	21	41	650	498	11	59	152	13	56	34·8	13·7	21	38	21·1	18	40	966	915	21	50	51	481	1	82·1
24 D	22	23	651	487	10	29	164	10	55	35·9	11·4	23	41	24·5	18	48	982	870	2	36	112	775	1	82·1
25	18	3	659	524	0	56	135	16	37	32·6	13·4	0	27	19·2	17	55	983	869	1	24	114	736	1	82·1
26	16	22	627	533	9	40	94	13	8	33·2	11·7	2	13	21·5	18	0	981	863	1	2	118	686	1	82·1
27	18	52	619	521	9	55	98	14	5	32·1	14·6	0	43	17·5	19	20	976	899	2	18	77	509	1	82·1
28	19	29	636	548	14	35	88	13	57	32·6	13·7	20	41	18·9	18	4	964	914	2	43	50	371	1	82·1
29	18	3	620	549	7	22	71	13	40	30·7	19·0	19	0	11·7	19	16	965	925	2	5	40	298	1	82·1
30 Q	16	58	616	552	9	50	64	16	58	29·8	20·7	5	17	9·1	19	28	954	927	4	48	27	227	0	82·1
Mean.	--	--	632	525	--	--	107	--	--	34·0	15·2	--	--	18·8	--	--	963	898	--	--	65	469	0·87	82·1
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see p.175. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the Computation of Tables 323-334.

052

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

285. Eskdalemuir. 16,000 γ (·16 C.G.S. unit) + **May, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	581	594	581	586	580	576	572	572	564	564	556	558	575	585	587	595	599	591	596	595	591	593	595	596	583
2	605	571	581	575	581	585	586	581	575	569	580	575	579	562	582	580	589	605	602	604	590	585	581	558	583
3	572	567	599	567	576	569	571	553	552	544	530	543	567	572	578	587	590	598	599	595	598	590	585	587	575
4 D	582	586	580	581	576	576	575	567	556	563	565	564	564	568	571	577	591	659	618	588	609	573	573	604	582
5 D	590	549	575	579	577	573	564	554	561	562	553	550	558	572	590	605	600	587	599	594	591	587	586	576	576
6	580	575	576	580	572	563	568	559	550	548	526	545	556	554	572	587	593	600	605	600	588	579	581	587	573
7	581	584	571	577	557	575	572	564	551	550	549	550	555	566	573	586	587	595	604	596	591	593	585	581	575
8 Q	576	585	580	574	578	577	573	565	549	585	535	544	561	570	576	582	591	604	609	604	594	587	587	590	576
9 Q	588	588	586	584	583	581	577	574	563	559	559	559	565	573	586	591	599	600	603	598	596	596	592	592	583
10	601	601	599	599	595	592	587	577	569	559	559	565	577	600	577	587	593	601	614	611	606	608	605	586	<u>590</u>
11	611	577	587	584	591	599	597	595	582	574	574	564	559	576	576	576	577	608	624	600	599	589	592	591	587
12	601	599	582	579	581	582	567	577	569	568	560	563	570	577	582	582	596	597	608	597	595	589	597	593	584
13	597	594	588	572	587	587	576	573	561	559	554	554	553	568	583	586	601	617	610	626	601	593	596	599	585
14	608	592	583	587	577	577	582	578	565	553	559	564	564	570	576	579	585	604	613	606	599	610	599	589	584
15	581	587	581	583	582	580	573	564	542	544	542	550	528	537	573	584	587	606	639	605	594	593	594	591	577
16	587	583	588	583	555	576	545	545	563	567	552	554	566	573	560	573	601	609	611	603	596	591	592	600	578
17	590	586	583	583	577	577	570	570	559	540	551	561	568	575	585	582	587	596	601	598	593	595	597	591	580
18 Q	587	585	587	588	588	587	578	569	563	563	567	570	567	573	572	588	604	600	599	597	594	593	593	591	583
19 Q	598	587	585	582	579	573	569	563	562	567	563	559	564	569	573	582	583	592	596	597	594	590	588	589	579
20 Q	584	583	582	581	581	577	572	566	559	558	559	565	568	568	568	576	584	594	601	605	599	599	598	596	580
21	597	598	599	589	593	595	597	591	564	540	529	535	563	585	564	591	596	594	596	595	596	596	594	591	583
22	582	574	585	577	572	569	567	566	565	559	558	550	571	571	595	591	587	600	600	599	594	591	589	590	579
23	584	582	582	581	581	576	570	561	559	556	558	562	568	586	574	593	594	601	610	611	591	595	605	576	581
24	584	584	587	581	580	577	572	567	564	561	553	545	568	571	577	576	584	595	600	599	596	594	594	600	580
25 D	599	565	576	582	584	560	576	568	546	549	556	558	559	561	564	593	617	637	618	601	591	586	596	582	580
26	564	577	568	573	577	572	571	554	554	554	563	561	556	551	559	568	576	606	600	596	601	591	596	586	574
27	590	583	580	577	576	586	565	564	559	557	554	559	561	571	573	588	600	615	619	612	615	609	595	591	583
28	595	570	583	583	568	583	581	573	559	554	560	560	567	564	574	574	602	610	632	623	593	584	592	589	582
29 D	589	587	585	578	574	586	589	574	566	570	565	574	532	561	535	666	684	674	608	565	513	497	341	444	569
30 D	500	491	529	486	329	397	456	516	542	538	542	538	527	527	539	546	568	596	602	579	579	565	577	573	<u>527</u>
31	579	565	554	551	556	564	551	549	543	542	528	528	541	541	550	560	583	586	601	606	573	578	576	578	562
Mean.	586	579	581	577	570	572	570	566	559	556	<u>553</u>	556	560	568	576	585	594	606	<u>608</u>	600	592	588	5 83	583	578

05

MAGNETIC DECLINATION (WEST).

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

286. Eskdalemuir. 14°+ **May, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	24·9	26·8	22·9	20·9	21·8	21·8	22·1	21·8	23·7	23·8	26·4	28·3	29·4	30·9	30·7	29·7	29·0	28·7	28·0	27·1	26·1	25·8	26·0	21·8	25·8
2	12·6	18·9	20·2	20·3	20·0	21·0	21·7	21·6	20·9	24·3	26·7	30·8	33·1	30·9	31·6	30·0	28·7	28·3	26·9	25·2	20·8	18·8	19·5	15·8	23·7
3	17·7	26·3	20·1	18·3	21·8	19·8	20·1	19·6	21·8	24·8	27·1	30·3	30·1	31·1	30·7	30·1	29·1	24·8	26·2	26·1	24·0	21·4	22·9	25·9	24·6
4 D	28·8	25·9	23·4	22·6	22·7	23·3	21·4	20·8	21·9	23·1	24·8	27·8	29·8	31·6	31·1	30·8	29·8	29·8	22·8	21·8	22·8	18·7	19·8	13·8	24·5
5 D	15·0	18·6	27·6	23·2	22·7	22·7	21·1	20·8	19·9	21·3	24·8	27·8	31·8	34·5	36·8	34·8	33·0	28·9	24·6	26·0	23·6	24·8	18·0	22·8	25·2
6	24·2	25·4	29·5	27·3	28·3	30·1	24·6	19·8	19·8	23·1	26·0	29·4	31·1	31·8	29·8	28·3	26·9	25·6	24·4	20·8	19·8	22·9	24·6	29·3	25·9
7	24·2	24·0	25·8	27·1	25·8	22·9	21·9	20·8	20·8	22·7	25·7	29·4	32·1	32·2	30·6	28·6	26·3	25·4	25·1	24·9	23·0	21·2	22·3	22·6	25·2
8 Q	26·6	25·3	23·6	23·0	22·9	21·6	20·7	20·6	20·6	22·7	25·1	28·7	30·9	30·7	29·6	27·9	27·5	26·7	26·8	24·5	24·8	23·7	25·7	24·7	25·2
9 Q	24·5	24·9	24·4	23·7	23·0	22·1	21·6	21·1	21·8	24·7	27·7	30·3	31·7	31·1	30·4	28·9	27·1	25·7	25·8	26·4	26·5	26·1	25·8	25·5	25·9
10	25·0	24·5	23·6	23·2	22·3	21·0	21·0	20·8	22·7	24·2	25·7	28·3	30·3	31·9	30·6	29·8	29·3	27·7	27·2	26·8	23·8	25·4	23·7	19·6	25·3
11	17·9	19·6	20·7	19·9	23·8	20·4	19·8	19·7	19·7	23·0	26·7	27·8	30·8	31·4	31·7	31·9	28·9	27·8	27·7	25·9	24·0	25·0	25·7	24·5	24·8
12	23·7	23·3	22·5	23·7	23·0	22·8	23·9	22·3	22·3	23·7	26·0	28·1	28·7	29·3	27·7	27·8	28·3	28·3	26·9	25·9	25·7	26·5	24·7	24·9	25·4
13	25·3	25·7	25·7	28·1	31·0	27·3	22·9	22·7	21·7	23·5	24·9	28·5	30·3	31·1	31·0	30·3	29·3	28·9	27·9	21·6	25·8	25·7	25·4	25·7	26·7
14	25·6	23·9	26·6	25·3	20·9	21·6	22·7	23·7	24·6	25·7	26·4	28·1	29·3	29·5	28·9	28·8	28·9	28·7	28·0	27·9	27·9	25·6	24·3	23·9	26·1
15	27·0	26·5	30·0	26·5	22·4	21·9	20·8	22·1	21·9	24·1	25·8	27·8	28·0	31·0	29·3	21·9	27·4	26·3	23·8	23·8	25·2	26·0	24·5	25·0	25·4
16	26·7	26·6	24·5	24·9	31·9	30·3	30·2	29·3	23·8	24·5	27·2	29·2	29·0	29·0	28·2	27·3	27·2	27·0	26·8	26·0	25·2	25·9	26·1	23·9	<u>27·1</u>
17	22·3	22·9	23·0	22·6	22·5	22·0	24·0	22·3	24·1	27·1	27·5	28·8	30·0	30·1	29·2	28·2	27·2	26·7	26·0	25·2	25·0	25·2	26·0	25·9	25·6
18 Q	25·2	25·0	25·0	26·0	25·2	21·8	20·6	20·3	21·3	23·5	26·0	28·5	30·5	31·1	29·0	27·3	26·7	25·7	25·6	25·2	25·4	25·8	25·6	25·2	25·5
19 Q	26·0	25·0	23·9	23·9	23·3	21·5	21·0	20·9	21·0	22·6	24·8	27·5	29·7	30·1	28·8	27·5	26·2	26·0	25·1	25·0	24·3	24·2	24·8	24·8	24·9
20 Q	25·2	25·0	24·9	25·0	24·2	23·2	22·0	21·0	21·2	23·2	25·3	27·3	29·0	29·8	29·4	28·9	28·3	27·2	26·7	26·0	25·9	25·7	25·3	25·5	25·6
21	25·0	25·0	24·2	24·0	22·8	21·2	18·5	17·0	18·0	21·4	24·0	29·9	31·2	33·2	32·2	33·0	30·5	28·1	25·5	25·1	25·3	24·9	23·2	23·0	25·3
22	22·8	26·7	22·9	21·4	21·6	20·7	20·1	21·9	23·5	25·7	27·1	28·3	30·4	31·3	32·0	31·4	28·8	27·5	27·9	26·7	25·9	25·4	24·9	24·7	25·8
23	23·9	23·6	23·3	22·8	22·1	21·3	20·8	19·9	20·3	22·2	25·4	29·9	32·1	33·0	31·7	31·3	30·6	29·9	28·7	27·2	22·8	21·9	16·1	21·7	25·1
24	22·9	22·9	23·4	25·3	26·2	20·8	18·7	20·1	20·9	22·2	24·6	29·1	30·9	31·4	30·8	27·9	27·1	27·5	27·7	27·4	26·7	25·9	25·7	25·8	25·5
25 D	21·9	14·7	19·2	20·8	17·9	23·4	27·9	21·9	23·9	24·1	24·9	26·9	28·7	29·8	29·1	28·9	27·9	24·9	27·2	26·7	25·8	24·2	22·5	20·7	24·3
26	21·2	19·8	18·9	22·0	22·8	21·7	21·2	21·6	22·3	22·0	24·7	26·9	29·4	30·3	29·9	28·9	28·7	28·5	27·0	22·7	22·7	25·1	26·9	25·7	24·6
27	22·1	22·0	22·4	22·6	25·2	24·0	21·4	22·6	20·9	22·5	24·7	27·9	30·2	31·0	29·4	27·9	27·1	23·1	26·9	27·8	26·9	23·7	22·3	22·8	24·9
28	19·1	20·0	22·9	19·6	22·9	22·0	20·8	20·8	20·8	22·0	23·9	27·0	30·1	29·9	29·3	28·5	28·8	27·2	23·6	24·8	22·7	25·4	26·1	24·9	24·3
29 D	21·9	22·4	24·5	22·9	20·6	21·9	21·1	22·4	22·7	24·9	26·4	29·1	33·9	35·9	31·5	30·0	33·1	22·9	21·1	20·9	15·1	14·9	17·9	23·4	24·2
30 D	21·7	9·1	−2·3	17·9	22·4	18·4	16·9	17·6	15·8	19·9	24·3	27·2	29·6	30·2	30·4	29·2	28·9	28·3	26·7	19·0	24·6	25·9	25·1	22·9	<u>22·1</u>
31	21·0	21·1	17·5	20·4	17·3	19·1	17·6	17·8	18·9	19·4	22·4	24·9	27·1	28·0	26·9	26·3	27·0	26·8	26·8	26·1	25·7	24·1	24·4	25·3	23·0
Mean.	23·0	23·0	22·7	23·1	23·3	22·4	21·6	<u>21·2</u>	21·4	23·3	25·6	28·4	30·3	<u>31·1</u>	30·3	29·1	28·5	27·1	26·2	25·1	24·3	24·1	23·7	23·6	25·1

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323–334.

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

287. Eskdalemuir. 44,000 γ (·44 C.G.S. unit) + **May, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	947	938	934	933	938	940	943	942	939	933	930	927	926	930	935	936	943	946	947	947	947	948	947	945	939
2	932	922	921	929	938	939	941	941	939	938	934	931	932	938	938	940	943	944	947	952	960	951	913	884	927
3	854	836	859	885	891	893	909	920	929	929	932	934	938	941	942	946	955	960	961	957	955	947	946	945	923
4 D	935	918	930	938	943	943	944	942	935	930	931	930	934	937	938	942	949	956	958	966	941	926	937	927	939
5 D	926	909	914	931	938	942	941	940	938	935	931	929	929	932	941	957	989	985	971	960	955	939	921	926	941
6	935	939	934	927	902	900	908	926	933	929	932	934	935	941	946	951	951	951	952	960	957	952	947	938	937
7	931	934	933	933	927	934	943	943	943	939	935	934	933	935	939	943	946	947	949	950	950	948	944	940	940
8 Q	938	935	938	943	946	947	949	949	944	941	938	934	931	935	939	943	946	947	949	951	952	951	947	946	943
9 Q	947	947	947	947	949	950	948	946	946	943	938	937	935	938	943	947	949	951	951	949	947	947	947	947	946
10	945	946	946	947	949	949	948	947	946	943	941	939	938	939	943	946	944	947	949	951	954	949	945	942	945
11	909	919	932	935	937	937	938	936	935	934	933	933	933	938	944	949	954	954	953	960	957	954	949	945	940
12	938	934	938	942	944	943	943	941	939	934	931	931	934	939	945	946	945	946	950	954	951	950	945	942	942
13	942	942	939	932	920	916	925	932	934	930	927	925	925	932	939	946	947	949	957	959	954	951	946	945	938
14	934	930	925	917	930	937	940	943	941	937	937	931	933	937	940	946	951	954	954	954	951	947	939	937	939
15	928	921	927	924	934	939	942	943	944	939	939	935	952	954	955	960	957	958	960	959	956	951	948	947	945
16	944	941	942	943	928	909	918	920	929	931	937	934	933	939	944	947	951	954	959	959	959	955	951	945	940
17	942	938	941	945	947	948	946	943	942	941	933	926	926	933	942	947	950	953	955	957	954	951	946	945	944
18 Q	946	947	947	946	945	946	947	947	944	942	941	938	941	940	942	947	955	959	954	953	951	950	950	950	947
19 Q	944	944	945	946	947	950	949	946	944	939	938	948	941	942	948	951	953	951	950	950	951	951	950	946	947
20 Q	946	947	948	948	949	949	950	950	948	944	942	937	934	937	942	944	947	950	951	951	949	948	946	946	946
21	947	946	946	946	943	942	944	945	942	940	938	937	936	942	948	949	959	969	972	967	960	957	952	947	949
22	946	940	932	943	947	950	949	943	940	937	933	936	942	949	955	958	962	959	954	954	953	951	949	949	947
23	949	949	950	950	952	952	950	948	944	936	932	928	933	937	940	945	953	961	968	970	970	954	932	933	947
24	941	945	946	944	935	937	941	941	940	932	930	931	936	940	946	948	950	950	949	949	948	949	948	940	942
25 D	907	906	924	938	936	930	914	928	936	937	934	934	940	946	953	954	963	969	966	965	962	959	951	944	941
26	939	921	930	936	940	943	945	946	941	940	941	938	938	941	941	941	945	946	957	961	961	954	945	928	942
27	930	932	930	941	938	934	941	941	941	939	936	932	934	941	948	953	954	960	956	960	954	949	941	938	943
28	931	931	929	927	917	926	937	943	942	940	939	938	936	936	941	949	953	955	963	969	963	957	939	931	941
29 D	936	936	937	930	935	930	930	938	941	940	939	938	948	981	1024	1041	1043	1016	1009	994	950	893	796	775	946
30 D	835	707	655	596	623	682	774	863	922	943	949	952	954	956	957	958	958	959	974	993	981	974	965	963	879
31	952	949	950	944	945	948	953	953	955	955	957	954	952	953	957	960	956	956	953	962	966	963	960	956	955
Mean.	931	924	925	925	926	929	934	938	940	938	936	935	937	941	947	951	956	957	958	959	955	949	940	935	940

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE:

288. Eskdalemuir. MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE. **May, 1932.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination. Maximum 14° +			Minimum 14° +			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	16	7	612	550	10	29	62	13	56	31·4	13·3	24	0	18·1	21	20	949	925	12	15	24	211	1	82·1
2	22	0	637	531	23	40	106	12	30	34·1	4·9	0	13	29·2	20	52	963	850	24	0	113	683	1	82·1
3	0	16	615	518	10	9	97	11	50	31·7	11·5	0	42	20·2	18	15	962	828	1	20	134	763	1	82·1
4 D	17	42	729	553	12	14	176	17	56	35·0	8·8	23	16	26·2	19	50	969	915	21	3	54	534	2	82·1
5 D	16	16	637	527	1	39	110	14 16	29 20}	38·9	12·7	0	58	26·2	17	0	994	905	1	59	89	583	1	82·1
6	20	6	619	513	10	21	106	12	51	32·9	17·7	20	26	15·2	19	30	961	897	5	58	64	468	1	82·1
7	18	29	609	545	8	41	64	12	41	32·7	18·9	8	10	13·8	20	22	951	926	4	40	25	218	1	82·1
8 Q	17	50	619	531	10	20	88	12	28	31·6	19·8	8	13	11·8	20	4	953	930	12	25	23	249	0	82·1
9 Q	18	18	605	554	11	26	51	12	46	32·1	20·6	7	34	11·5	18	45	952	934	12	10	18	166	0	82·1
10	19	34	626	549	10	13	77	13	58	32·8	17·4	23	20	15·4	20	20	955	938	12	23	17	204	0	82·1
11	18	42	646	536	15	52	110	13	55	32·9	12·8	0	35	20·1	19	23	961	900	0	41	61	457	1	82·1
12	18	12	619	551	11	19	68	13	10	29·8	19·6	2	0	10·2	19	30	954	929	10	52	25	225	0	82·2
13	19	23	651	544	11	45	107	4 14	29 23}	31·7	15·7	19	8	16·0	19	4	963	913	5	11	50	403	1	82·2
14	18	24	624	546	9	28	78	16	6	30·8	18·6	4	8	12·2	18	44	956	916	3	18	40	309	1	82·2
15	18	30	661	522	12	38	139	2	12	32·3	19·0	8	12	13·3	18	17	962	914	2	39	48	447	1	82·2
16	17	52	628	507	6	52	121	4	41	35·1	20·2	23	40	14·9	20	23	959	904	5	10	55	448	1	82·2
17	18	22	610	534	10	16	76	13	0	30·6	20·3	0	12	10·3	19	0	958	925	11	40	33	274	0	82·2
18 Q	16	30	610	558	9	35	52	13	23	31·9	20·0	7	35	11·9	17	21	960	938	11	47	22	185	0	82·2
19 Q	0	14	610	554	11	30	56	13	17	30·7	19·6	7	54	11·1	16	40	954	937	9	50	17	169	0	82·2
20 Q	19	18	609	555	9	5	54	13	9	30·0	20·2	8	8	9·8	18	53	951	934	12	30	17	166	0	82·2
21	2	36	609	518	11	10	91	13	30	33·9	15·9	7	55	18·0	18	28	974	934	11	51	40	331	1	82·4
22	4	56	628	541	11	0	87	14	56	32·9	19·2	6	20	13·7	16	40	962	927	2	10	35	301	1	82·4
23	22	8	649	553	14	15	96	13	50	35·4	9·9	22	0	25·5	20	30	974	923	22	44	51	388	1	82·5
24	23	42	628	536	12	53	92	12	32	31·9	17·8	6	5	14·1	16	55	952	923	24	0	29	284	1	82·5
25 D	17	24	667	537	8	50	130	13	30	30·0	11·6	1	10	18·4	17	1	928	898	0	45	30	351	1	82·5
26	17	52	628	542	13	3	86	13	55	31·1	14·8	1	40	16·3	20	4	965	916	1	32	49	363	1	82·5
27	21	20	628	545	11	47	83	13	35	31·8	19·9	21	52	11·9	17	21	961	929	0	40	32	282	1	82·5
28	18	27	657	548	9	42	109	12	46	31·0	16·1	1	15	14·9	20	0	970	914	4	27	56	432	1	82·6
29 D	16	49	820	138	22	47	682	16	59	43·8	-7·3	17	19	51·1	16	45	1069	624	23	2	445	3130	2	82·6
30 D	18	18	635	140	4	47	495	3	44	52·8	-9·1	2	30	61·9	19	40	996	560	3	50	436	2780	2	82·6
31	19	18	624	524	10	53	100	13	17	28·6	15·9	4	30	12·7	20	0	966	939	4	0	27	287	1	82·5
Mean.	--	--	637	513	--	--	124	--	--	33·3	14·7	--	--	18·6	--	--	965	895	--	--	70	519	0·84	82·3
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see p. 175. Q denotes an International Quiet Day, while D denotes a disturbed day used for the computation of Tables 323-334.

R

 062

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

289. Eskdalemuir. 16,000 γ (·16 C.G.S.unit) + June, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	579	570	573	574	574	567	557	554	551	543	541	545	558	564	571	577	583	584	585	583	583	586	577	578	569
2	583	583	583	577	582	574	571	565	555	549	551	553	560	562	570	578	590	593	595	599	595	584	580	581	576
3 Q	580	588	583	582	581	578	571	567	559	552	551	556	561	568	578	584	586	589	593	589	588	584	581	581	576
4 Q	583	582	582	583	583	581	574	562	554	552	551	555	563	563	565	564	577	588	601	596	592	590	588	588	576
5	588	586	585	583	585	581	572	568	559	552	557	557	560	572	570	589	602	612	610	607	597	594	591	590	582
6	589	589	587	588	587	583	576	570	564	560	561	560	570	573	577	586	592	607	604	601	600	596	594	589	583
7	588	588	589	596	597	593	590	583	580	567	561	562	567	575	589	581	599	622	607	601	601	602	594	601	589
8 D	585	561	563	590	580	577	568	566	547	549	562	561	557	563	591	591	603	612	601	609	600	579	589	593	580
9 D	586	579	550	588	580	579	576	573	560	550	547	551	559	572	578	590	593	595	593	592	598	595	586	586	577
10 D	591	592	581	591	557	570	584	569	562	545	542	539	533	557	574	574	590	603	607	616	590	581	576	579	575
11 D	578	577	571	578	579	575	574	569	563	544	533	555	568	565	583	604	590	607	599	597	596	594	591	591	578
12	580	581	573	583	584	580	574	561	555	548	550	554	557	563	592	592	600	590	596	601	592	588	581	582	577
13	581	582	582	584	584	570	565	559	559	561	556	542	549	552	574	587	581	594	594	594	598	596	589	588	576
14	580	578	581	581	584	583	578	566	560	556	556	550	554	559	570	577	590	598	612	612	601	592	589	588	579
15 Q	586	585	585	587	584	580	578	577	571	562	557	557	559	564	569	579	590	595	596	596	594	591	589	586	580
16	585	582	584	584	584	581	576	567	564	561	562	566	571	575	578	584	583	597	609	611	611	602	599	589	584
17	592	592	592	588	584	584	578	571	568	561	554	553	560	579	585	585	591	598	604	607	603	598	598	597	584
18	597	597	595	590	591	585	576	577	580	576	573	569	571	575	580	582	597	599	603	602	601	604	599	603	588
19	591	591	589	586	588	589	582	574	562	552	548	556	576	589	594	596	598	601	608	605	615	602	594	591	587
20 D	590	589	583	593	589	587	584	583	576	570	549	558	586	591	608	610	640	610	610	597	589	589	589	585	590
21	581	580	588	588	587	586	580	571	563	563	557	556	564	566	579	595	594	602	602	597	600	593	594	585	582
22	581	580	583	579	579	561	576	577	572	568	579	565	570	567	568	579	608	611	621	607	596	591	587	585	583
23	585	585	582	580	579	575	553	552	557	562	559	559	566	572	574	579	587	595	599	594	591	588	584	579	577
24	575	576	582	582	585	584	577	569	563	557	554	562	569	573	581	598	608	599	605	607	591	587	584	584	581
25	583	583	581	580	579	577	575	571	563	559	556	554	552	556	576	590	616	610	593	599	594	591	590	589	580
26	587	582	577	579	584	587	585	578	566	555	558	567	586	583	585	584	591	597	600	604	598	593	592	586	583
27 Q	585	587	583	580	581	580	575	569	567	560	558	564	564	565	573	578	590	599	605	600	593	587	584	580	579
28 Q	577	582	585	588	588	582	569	561	556	554	554	560	578	586	590	592	590	584	589	595	592	592	594	592	580
29	591	591	590	589	586	581	578	581	579	571	563	562	571	577	594	599	600	595	597	600	600	599	592	587	586
30	581	581	580	581	582	579	575	576	572	568	562	561	564	568	583	609	597	592	593	591	593	593	590	586	582
Mean.	585	583	582	584	583	580	575	570	564	558	555	557	564	570	580	587	595	599	601	600	596	592	589	587	581

061

MAGNETIC DECLINATION (WEST).

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

290. Eskdalemuir. 14°+ June, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	21·4	22·8	23·3	22·7	21·8	20·4	19·1	18·5	19·9	21·8	25·2	27·9	29·3	30·1	29·8	27·5	25·9	25·1	24·6	24·8	24·9	24·5	22·3	24·0	24·1
2	24·3	23·5	23·1	22·4	21·9	19·4	20·0	19·1	20·8	21·7	23·9	27·0	28·9	29·1	28·4	27·5	26·9	26·3	25·8	26·9	24·9	25·1	24·6	24·7	24·4
3 Q	24·9	24·7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20·0	21·4	22·1	24·9	26·8	28·4	28·5	26·9	25·9	25·0	25·1	25·8	25·9	24·6	24·7	24·9	24·9	24·0
4 Q	[illegible]	[illegible]	[illegible]	[illegible]	22·2	[illegible]	[illegible]	21·3	21·9	23·4	26·4	27·9	28·3	28·2	28·9	28·8	27·9	26·9	26·0	25·1	24·9	24·7	24·9	24·5	25·0
5	24·7	25·6	24·9	22·4	20·0	17·9	19·4	20·6	21·0	23·1	25·8	28·2	29·9	29·9	30·1	30·1	28·7	27·9	26·9	25·9	25·4	24·3	24·1	23·9	25·0
6	23·2	25·1	22·9	22·4	21·2	19·8	18·8	20·3	20·1	21·8	23·2	25·2	26·9	27·2	27·9	27·4	26·9	27·2	26·0	26·4	25·4	24·5	24·1	23·9	24·0
7	23·9	24·2	23·8	22·9	20·0	19·1	18·1	18·4	20·9	23·4	25·9	28·7	29·9	30·6	31·8	30·8	29·1	28·7	26·4	26·4	25·9	25·9	22·9	21·3	25·0
8 D	22·6	20·3	25·6	20·3	19·4	21·0	20·5	18·9	17·9	19·9	20·8	23·2	26·2	28·9	28·7	28·7	28·9	29·0	27·3	26·4	15·1	16·9	21·4	21·0	22·8
9 D	22·2	18·5	24·5	24·3	20·1	18·9	18·9	19·4	18·6	21·2	23·2	26·5	28·9	28·7	28·2	28·6	27·9	27·6	26·1	25·0	24·6	23·9	22·9	23·7	23·9
10 D	24·6	23·4	21·9	25·7	26·4	26·1	23·8	21·8	20·9	22·9	23·8	25·5	28·1	28·4	28·3	28·4	27·8	26·5	23·9	22·9	23·9	24·1	25·0	23·0	24·8
11 D	20·7	21·9	24·9	24·8	24·0	20·1	19·2	18·4	18·0	21·8	24·9	27·1	29·9	29·7	28·4	28·4	26·8	24·2	25·9	25·9	25·8	23·9	22·6	21·9	24·1
12	23·4	23·7	25·5	23·9	21·4	20·2	19·9	20·9	22·7	21·9	23·9	26·4	28·1	29·4	29·1	27·9	27·9	27·8	26·6	26·0	23·2	24·9	24·3	23·9	24·7
13	24·0	25·3	22·9	23·4	22·9	20·9	20·5	20·0	19·9	20·9	22·0	26·1	27·9	29·6	29·5	28·2	27·9	26·9	26·5	26·5	24·7	25·1	25·7	25·2	24·7
14	25·0	24·7	24·1	22·9	21·8	20·4	20·4	20·6	21·6	22·4	24·7	27·1	29·0	29·3	29·1	28·4	27·5	26·9	26·4	23·9	23·4	24·3	24·9	24·9	24·7
15 Q	24·4	24·0	23·7	23·1	21·9	20·3	19·6	19·4	19·9	20·0	22·9	26·5	28·5	29·1	28·3	27·6	26·2	25·8	25·8	25·3	25·3	24·9	24·9	24·1	24·2
16	23·9	24·1	23·7	22·9	21·8	20·5	19·1	19·2	20·7	22·1	24·4	26·1	28·0	29·1	28·9	28·0	27·0	26·1	25·9	24·9	25·5	24·9	25·2	24·2	24·4
17	24·9	24·9	23·7	22·0	19·9	18·1	17·7	19·4	20·8	21·9	25·1	29·5	31·0	31·4	30·9	29·0	27·1	26·0	25·6	25·5	25·5	25·1	25·2	24·6	24·8
18	23·9	23·7	22·9	21·8	20·9	20·1	19·2	19·9	19·9	21·0	24·0	28·3	30·6	31·3	30·1	27·9	26·9	26·5	25·9	25·3	24·8	24·6	23·9	24·5	24·5
19	23·9	24·0	23·4	22·6	21·9	20·0	18·7	18·1	18·6	19·4	22·6	27·1	30·9	31·8	30·6	28·1	25·9	24·8	25·8	25·8	26·6	24·3	20·8	18·0	23·9
20 D	22·8	21·8	26·9	22·8	20·9	19·6	20·1	20·4	20·0	19·3	22·6	25·5	28·7	31·8	34·8	34·9	34·8	31·9	26·9	26·0	25·3	24·8	25·4	25·5	25·6
21	23·7	23·8	22·9	21·7	22·0	20·7	19·8	20·1	20·5	20·7	22·3	26·0	29·7	31·0	31·8	31·0	28·1	26·8	25·8	24·3	24·9	24·5	18·8	20·9	24·2
22	19·6	18·8	19·1	19·0	22·3	22·9	26·2	23·0	22·6	23·3	23·5	24·7	25·9	26·5	27·3	27·8	28·1	28·0	27·0	23·3	25·0	25·2	24·8	22·7	24·0
23	26·6	24·0	22·0	22·1	21·3	19·8	20·8	22·8	22·2	22·8	24·5	26·4	28·1	27·8	28·6	27·8	26·7	25·8	25·6	24·8	24·0	23·9	23·8	24·1	24·4
24	23·7	22·9	23·8	21·6	20·8	20·4	20·4	20·2	20·1	21·3	22·8	25·3	27·6	28·5	30·3	29·8	29·1	27·9	27·3	26·9	25·0	24·7	24·5	24·0	24·5
25	23·4	23·8	22·9	23·0	21·8	20·6	19·5	18·9	19·4	20·4	23·2	26·6	28·3	29·5	30·4	29·8	29·6	27·3	24·3	25·4	25·9	25·3	24·6	24·4	24·5
26	24·8	22·9	22·6	21·8	20·0	19·0	18·8	18·8	21·0	23·0	26·7	28·6	29·2	30·3	30·5	29·6	27·8	26·8	26·2	23·8	24·8	25·1	24·9	24·7	24·7
27 Q	23·3	23·9	22·1	21·0	20·5	19·8	19·9	19·8	20·9	23·2	24·8	26·7	26·8	26·3	26·4	26·0	25·0	24·8	25·0	23·8	24·8	24·9	24·8	24·0	23·7
28 Q	22·8	22·7	21·7	21·8	21·2	19·8	19·8	20·4	19·1	20·0	25·0	25·0	26·8	26·6	25·8	25·9	25·8	25·3	25·9	26·6	25·3	24·9	24·6	24·1	23·5
29	23·8	23·5	22·9	22·8	21·8	21·0	20·8	20·5	21·4	23·6	26·0	28·3	29·0	28·9	28·8	28·6	28·1	26·8	25·8	25·6	24·8	24·8	23·9	21·7	24·7
30	22·8	22·8	22·5	21·9	21·2	20·8	19·4	19·8	20·4	21·7	24·7	27·3	30·0	32·5	31·4	30·3	28·3	26·6	25·0	24·6	24·7	24·6	23·8	23·7	24·6
Mean.	23·6	23·2	23·4	22·4	21·4	20·2	19·9	20·0	20·4	21·7	24·0	26·7	28·6	29·3	29·3	28·6	27·7	26·8	25·9	25·3	24·6	24·4	23·9	23·5	24·4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

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

291. Eskdalemuir. 44,000γ (·44 C.G.S.unit) + June, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	952	954	955	955	955	956	956	955	951	954	954	950	948	945	948	954	956	956	957	956	955	955	956	955	954
2	954	952	951	948	942	945	946	947	944	936	936	937	942	948	950	951	952	953	954	955	957	956	955	955	949
3 Q	953	948	947	950	950	951	951	950	949	945	946	941	942	947	951	956	959	957	956	957	958	956	955	954	951
4 Q	953	954	954	953	954	953	951	950	947	941	935	925	925	930	939	947	950	952	951	953	954	953	952	951	947
5	950	950	950	950	951	953	953	948	945	939	934	936	938	940	942	946	949	952	954	956	954	954	953	952	948
6	950	950	951	952	952	953	952	947	944	938	937	935	938	941	942	944	946	951	955	954	953	950	950	950	947
7	949	948	948	948	948	947	945	944	944	945	941	937	937	942	945	952	957	960	965	963	959	956	954	947	949
8 D	936	927	931	938	944	947	946	945	944	942	939	938	942	945	951	959	960	958	956	955	966	956	944	922	945
9 D	889	905	904	909	930	940	943	942	942	944	942	937	936	941	947	950	957	959	963	971	969	952	950	951	941
10 D	945	932	931	931	927	926	931	939	942	942	943	942	947	948	952	956	963	964	967	965	962	956	944	921	945
11 D	930	935	938	939	941	945	947	946	947	947	944	940	940	949	952	957	964	964	958	956	953	953	953	949	948
12	942	934	935	940	946	950	951	951	948	947	944	942	943	946	948	953	957	956	958	960	960	959	956	954	949
13	951	948	944	943	944	948	950	952	951	945	946	949	951	951	954	959	959	957	956	955	956	953	951	951	951
14	950	950	950	950	950	952	950	949	947	945	946	946	944	946	947	946	947	950	955	958	959	957	953	950	950
15 Q	949	949	949	950	952	953	951	949	948	943	937	932	934	936	946	947	948	949	951	952	949	949	949	949	947
16	945	945	946	947	948	948	948	948	943	942	937	936	940	939	942	944	948	951	948	947	946	947	947	948	945
17	946	946	943	946	947	946	941	939	938	935	934	929	927	926	927	935	944	945	946	947	947	946	944	943	940
18	943	943	943	944	944	943	941	934	929	932	935	932	936	940	939	942	943	946	946	946	946	944	942	939	941
19	936	933	936	939	939	941	940	938	935	929	923	920	921	925	933	940	941	941	936	939	939	942	945	944	936
20 D	941	939	936	932	936	938	939	937	934	929	930	927	928	932	946	961	973	978	979	977	966	958	949	944	946
21	944	946	946	947	948	948	947	945	934	925	926	927	928	930	934	934	947	951	951	951	949	947	941	931	941
22	930	931	933	934	931	927	918	920	920	916	916	924	934	936	938	941	939	944	951	959	954	950	947	942	935
23	933	923	928	929	929	936	937	937	935	933	931	927	928	936	938	942	945	947	949	947	945	944	942	941	937
24	940	939	935	937	938	939	937	935	931	925	922	922	924	931	933	937	942	944	947	949	951	946	944	943	937
25	941	941	941	942	943	944	943	943	943	937	932	927	925	930	933	933	939	947	954	951	947	946	944	943	940
26	939	937	937	937	939	938	935	932	932	927	914	905	911	922	931	935	939	941	942	948	946	945	942	942	934
27 Q	939	936	934	936	939	940	940	939	938	934	927	924	926	935	941	944	944	943	943	945	945	943	941	941	938
28 Q	940	939	939	939	941	943	943	941	939	938	933	929	929	933	935	937	938	938	937	936	938	939	939	939	938
29	938	938	938	939	939	940	939	938	939	934	933	931	929	934	933	934	936	939	941	942	941	939	940	940	937
30	938	937	938	939	940	939	937	935	931	928	921	919	920	924	927	932	939	942	947	947	943	940	939	939	935
Mean.	941	940	940	941	943	944	944	943	940	937	935	932	934	938	941	946	949	951	952	953	952	950	947	944	943

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

292. Eskdalemuir. June, 1932.

Day.	Terrestrial Magnetic Elements. Horizontal Force Maximum 16,000 γ + h.	m.	γ	Minimum 16,000 γ + γ	h.	m.	Range γ	Declination. Maximum 14° + h.	m.	′	Minimum 14° + ′	h.	m.	Range ′	Vertical Force. Maximum 44,000 γ + h.	m.	γ	Minimum 44,000 γ + γ	h.	m.	Range γ	HR_H+VR_V § $10,000\,\gamma^2$	Magnetic Character of Day. (0 - 2)	Temperature in Magnet House. 200 + °A
1	21	33	594	536	9	47	58	14	16	30·2	17·9	7	17	12·3	22	35	958	944	13	43	14	159	0	82·8
2	19	10	611	545	9	38	66	13	0	29·9	18·8	7	9	11·1	20	26	957	935	10	0	22	209	0	82·8
3 Q	18	46	595	546	10	25	49	13	8	28·9	17·8	6	36	11·1	16	33	959	938	11	55	21	175	0	82·8
4 Q	18	54	604	548	10	22	56	15	0	29·0	20·0	6	30	9·0	20	15	955	922	12	0	33	241	0	82·8
5	17	32	616	549	9	38	67	15	0	31·1	17·5	5	38	13·6	19	20	956	933	10	52	23	214	0	82·9
6	17	48	629	554	9	51	75	15	29	28·2	17·7	6	19	10·5	19	5	957	933	11	57	24	233	0	82·9
7	17	47	639	549	12	7	90	15	5	33·9	16·0	7	17	17·9	18	53	966	935	12	22	31	288	1	83·0
8 D	15	0	643	510	8	46	133	14	57	30·7	11·0	20	30	19·7	20	22	969	909	24	0	60	490	1	83·0
9 D	18	0	626	520	2	46	106	12	53	30·1	14·4	0	47	15·7	20	8	973	882	0	33	91	585	1	83·0
10 D	19	5	632	517	10	58	115	4	59	30·0	19·0	8	20	11·0	18	40	968	918	23	16	50	416	1	83·1
11 D	15	28	630	527	10	13	103	12	34	30·9	16·9	7	33	14·0	16	55	965	923	0	1	42	360	1	83·1
12	15	2	614	544	9	5	70	14	5	29·9	18·4	6	20	11·5	20	0	961	932	1	55	29	246	1	83·1
13	20	27	603	533	11	38	70	13	57	30·6	18·4	7	50	12·2	15	50	961	942	2	0	19	201	0	83·1
14	19	51	624	542	11	56	82	14	14	29·7	19·8	6	15	9·9	20	37	960	943	12	40	17	212	0	83·2
15 Q	18	5	601	552	10	55	49	13	15	29·4	18·9	7	52	10·5	5	40	954	932	12	0	22	180	0	83·2
16	20	23	615	558	9	58	57	13	41	29·4	17·9	7	17	11·5	17	40	951	935	10	55	16	167	0	83·3
17	17	23	612	550	12	0	62	13	47	31·6	16·7	6	0	14·9	4	42	948	921	13	47	27	224	0	83·3
18	23	20	613	562	12	57	51	13	23	31·6	18·0	6	39	13·6	17	20	948	928	9	0	20	175	0	83·5
19	20	37	630	544	10	25	86	13	20	31·9	17·7	7	20	14·2	22	10	945	919	12	0	26	260	1	83·5
20 D	16	24	662	536	10	47	126	17	9	36·8	18·8	9	10	18·0	18	13	985	926	11	40	59	474	1	83·5
21	18	33	614	548	11	5	66	14	10	32·1	15·0	22	29	17·1	19	15	953	925	9	27	28	236	1	83·5
22	18	43	644	544	5	37	100	16	20	29·6	17·5	3	31	12·1	19	22	961	915	10	10	46	373	1	83·5
23	18	53	603	544	7	0	59	0	45	30·3	18·8	6	12	11·5	18	40	949	920	1	10	29	228	1	83·5
24	19	32	614	551	10	23	63	14	41	30·9	19·8	8	12	11·1	20	27	953	922	10	0	31	244	0	83·5
25	16	41	630	538	13	28	92	4	22	30·9	18·7	7	12	12·2	18	40	955	923	12	6	32	297	1	83·7
26	19	37	609	549	9	30	60	14	48	31·6	17·9	6	28	13·7	19	26	950	904	11	37	46	307	1	83·8
27 Q	18	38	609	554	10	22	55	11	45	28·0	18·9	7	40	9·1	19	29	946	923	11	0	23	194	0	83·8
28 Q	15	4	600	552	9	45	48	12	33	27·0	18·9	5	50	8·1	6	0	944	926	12	0	18	161	0	83·9
29	15	22	606	559	11	34	47	12	43	29·7	19·7	7	12	10·0	22	57	942	928	12	8	14	141	0	83·9
30	15	17	615	557	11	9	58	13	27	32·9	18·7	6	14	14·2	18	56	949	918	12	5	31	235	0	84·0
Mean.	--	--	618	544	--	--	74	--	--	30·6	17·8	--	--	12·7	--	--	957	925	--	--	31	264	0·43	83·3
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see p.175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

16,000 γ (·16 C.G.S. unit) +

293. Eskdalemuir. **July, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	580	584	586	588	584	583	580	575	572	560	555	555	556	572	586	594	592	594	596	604	601	595	592	591	582
2	591	591	590	593	593	587	575	563	555	556	563	562	568	579	589	595	585	586	591	595	596	593	590	587	582
3 Q	586	581	584	586	589	587	582	570	558	551	550	550	565	581	590	587	586	588	589	590	593	593	592	592	580
4	591	589	589	590	586	582	582	577	570	565	567	570	582	585	606	592	590	602	621	616	605	605	613	605	591
5 D	606	605	607	607	607	600	593	582	570	555	549	549	561	577	585	598	607	643	627	625	613	605	589	594	594
6 D	596	591	597	584	605	576	554	551	527	529	534	542	556	555	524	575	589	590	588	593	590	589	590	602	572
7 D	575	570	574	560	583	575	555	560	537	528	531	537	548	560	570	579	583	597	588	597	598	588	583	582	569
8 D	584	569	574	580	583	572	571	569	559	542	542	538	556	565	564	579	597	621	593	593	595	599	589	575	575
9	576	575	578	582	580	571	577	574	560	542	542	545	551	564	560	574	584	612	597	597	591	585	584	574	574
10	578	579	584	577	571	558	553	559	555	538	535	547	555	563	568	588	574	589	605	597	597	610	575	579	572
11	576	579	580	579	580	578	572	566	559	546	537	541	559	566	575	571	579	581	589	590	589	586	588	590	573
12	581	575	578	575	577	580	576	566	558	543	553	550	548	556	566	576	585	594	603	607	584	576	575	578	573
13 Q	576	577	576	576	578	571	562	562	557	565	550	549	547	557	571	576	581	585	589	590	589	585	581	579	572
14 Q	579	579	579	580	580	576	572	568	560	550	543	539	541	554	581	586	591	596	592	592	589	584	586	593	575
15	582	578	577	580	578	576	571	563	557	551	554	559	562	571	580	583	584	585	592	597	592	590	590	581	576
16 D	582	589	590	591	590	587	574	559	583	567	563	573	550	537	526	589	599	585	585	584	581	581	568	584	576
17	558	573	565	558	558	561	566	564	562	553	554	554	559	567	584	580	581	585	588	590	586	582	577	579	570
18	577	573	575	574	577	577	569	563	556	554	553	557	562	564	573	586	595	609	606	598	586	582	577	577	576
19	574	577	577	575	575	574	561	550	549	549	557	568	568	578	579	580	586	586	595	586	591	586	604	573	575
20	577	575	579	582	578	574	568	563	553	549	546	552	562	568	573	577	586	585	590	591	590	587	586	586	574
21	591	577	576	577	582	582	574	569	562	553	540	532	546	561	575	580	582	588	595	601	600	582	577	577	574
22	589	579	579	583	583	578	573	569	565	554	544	546	549	560	574	578	588	596	598	601	595	593	584	579	577
23	580	578	583	578	578	574	575	576	563	558	552	553	559	572	575	571	584	594	592	593	591	588	587	584	577
24	582	579	579	580	582	580	577	576	571	563	555	552	558	570	575	574	586	596	606	601	588	582	579	580	578
25	590	581	581	581	583	580	575	570	565	560	555	556	560	558	561	570	575	588	594	599	604	593	593	592	578
26	588	589	575	597	585	588	584	575	563	561	553	553	552	559	571	579	565	588	590	597	596	590	588	587	578
27	583	583	583	584	584	587	589	575	562	562	561	556	561	571	584	584	579	593	594	595	589	591	591	583	580
28 Q	584	582	580	580	582	581	580	576	562	548	546	546	559	566	584	589	590	590	592	590	586	584	582	582	577
29 Q	582	583	584	580	580	580	580	580	577	571	565	565	561	562	572	580	584	585	594	594	594	594	593	589	580
30	586	585	585	481	584	581	580	575	568	559	561	567	571	571	567	570	566	586	593	606	598	595	590	580	579
31	577	582	593	591	590	595	576	572	568	563	541	536	549	555	570	563	555	582	591	596	595	590	589	587	575
Mean.	583	581	582	582	583	579	573	568	561	553	550	552	558	565	573	581	584	594	596	597	593	590	587	585	577

MAGNETIC DECLINATION (WEST).

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

14°+

294. Eskdalemuir. **July, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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.	23·9	23·8	23·6	23·3	22·2	21·2	21·8	22·0	21·8	22·8	25·1	28·0	29·8	29·4	28·9	27·8	25·8	24·8	24·6	24·6	25·0	25·1	24·8	24·6	24·8
2	24·5	24·4	23·3	22·5	20·7	19·5	17·8	18·2	20·0	22·9	25·0	27·7	30·6	31·4	29·8	28·0	26·5	25·1	24·4	24·5	24·7	24·6	24·7	24·5	24·4
3 Q	23·8	23·6	23·8	23·2	21·6	20·4	19·3	18·0	18·7	20·9	25·0	29·7	32·8	32·9	31·3	28·9	26·6	24·9	22·8	22·8	23·7	23·6	23·7	24·3	24·4
4	23·9	23·5	23·2	22·6	22·0	20·9	20·0	19·9	20·0	21·7	25·9	29·5	31·6	31·9	32·4	31·8	30·3	28·0	27·8	26·6	25·0	24·6	24·4	24·2	25·5
5 D	22·3	22·7	23·7	24·0	21·0	19·5	18·5	19·7	21·0	23·7	26·5	29·7	32·7	34·3	33·8	32·6	30·1	31·3	30·0	27·2	21·5	20·7	23·5	23·0	25·5
6 D	21·3	23·9	23·8	23·7	25·7	22·9	31·7	26·3	23·9	23·9	27·5	28·0	27·9	30·8	28·1	24·8	25·5	24·8	24·9	23·1	23·7	24·5	23·7	23·7	25·3
7 D	19·5	19·5	22·9	26·2	24·7	20·1	22·7	24·6	25·7	23·2	24·7	27·7	30·3	30·3	28·7	26·4	26·0	26·1	24·7	24·5	24·7	24·7	23·6	23·2	24·8
8 D	24·7	24·4	23·7	20·7	19·9	20·3	19·5	18·9	20·1	22·0	25·8	26·7	27·2	28·9	28·6	27·0	24·7	23·9	25·9	25·7	24·9	25·0	22·7	20·5	23·8
9	24·8	26·7	23·4	22·9	19·7	21·1	20·5	20·7	21·5	21·7	22·3	24·8	27·0	28·7	29·4	28·7	27·5	25·3	25·5	25·7	25·2	23·5	20·0	21·5	24·1
10	25·9	26·8	25·1	19·5	18·9	21·3	20·7	18·7	17·5	19·5	22·5	24·9	26·6	27·7	26·0	25·3	24·9	22·7	25·6	24·8	24·3	21·7	23·0	23·7	23·2
11	23·0	22·7	22·5	21·4	22·1	20·7	20·7	19·9	20·7	22·5	25·2	27·3	28·4	28·2	27·8	27·6	25·8	25·0	24·8	24·9	24·7	24·8	25·2	25·3	24·2
12	22·5	21·9	22·1	21·8	24·5	22·2	21·8	19·7	20·5	21·6	22·1	25·5	27·0	27·9	26·8	26·2	25·0	24·6	24·6	23·2	19·6	23·5	23·9	23·7	23·4
13 Q	23·1	23·1	22·9	23·1	21·3	18·2	17·7	17·7	18·9	20·9	22·9	25·6	28·1	29·9	29·5	27·2	25·8	24·9	24·0	24·1	24·0	23·6	23·7	23·6	23·5
14 Q	23·6	23·6	23·6	22·7	20·5	18·7	18·5	19·0	20·3	20·9	23·9	27·8	29·6	29·5	29·2	27·8	25·5	24·7	24·7	24·9	24·7	24·7	24·7	24·0	24·0
15	22·7	22·6	22·4	21·8	20·0	18·7	17·9	17·5	18·7	20·6	22·9	24·0	25·5	26·0	25·9	25·9	24·7	23·7	24·5	25·6	25·7	24·9	22·8	24·2	22·9
16 D	22·7	22·9	21·7	21·5	19·6	19·1	21·0	21·2	26·5	24·6	22·6	24·8	29·2	33·7	32·9	29·9	29·7	27·7	26·7	26·0	23·7	17·9	22·5	22·9	24·6
17	18·7	23·9	17·8	19·7	19·5	21·6	18·7	19·7	20·7	22·7	22·9	25·0	27·5	27·9	25·9	25·5	26·5	25·9	26·0	25·5	24·7	24·3	22·9	22·6	23·2
18	22·3	21·9	22·9	24·5	21·0	19·7	19·3	19·7	21·5	22·7	24·6	27·0	28·5	29·0	27·5	26·5	26·5	26·9	23·4	24·7	24·6	24·6	23·7	23·3	24·0
19	22·7	22·6	22·7	22·7	22·5	19·6	19·5	19·1	20·7	21·6	22·4	23·3	25·4	26·6	27·8	28·2	27·7	26·8	25·8	24·9	25·0	24·0	20·8	22·4	23·5
20	21·9	21·1	22·2	21·7	20·4	19·1	18·6	17·8	17·9	19·6	21·9	25·1	27·7	28·8	29·1	27·4	25·6	23·8	23·9	23·8	23·6	22·4	21·1	18·8	22·6
21	19·6	20·8	20·4	21·6	20·7	20·0	19·0	17·8	17·1	17·9	21·1	25·0	27·7	29·3	29·1	29·3	26·9	24·9	23·7	23·7	22·8	18·1	21·0	22·3	22·5
22	23·0	22·1	22·0	21·8	20·6	19·1	19·4	18·2	17·8	20·0	23·3	26·6	28·8	30·0	29·8	28·9	27·4	26·0	24·5	23·0	21·8	21·8	18·8	20·7	23·1
23	20·8	21·3	21·1	21·8	20·8	18·7	18·1	16·8	16·4	17·0	19·8	23·7	26·8	28·4	28·1	27·9	28·0	27·7	26·2	24·6	23·8	23·1	22·6	21·9	22·7
24	21·7	21·4	21·6	21·2	20·1	19·8	19·7	18·1	18·8	19·6	21·7	23·9	27·0	27·8	28·1	27·7	27·4	27·0	25·6	23·3	22·6	23·6	23·2	22·3	23·1
25	19·6	20·9	20·8	20·8	20·0	19·9	19·7	19·0	19·6	21·0	23·1	25·8	27·0	27·7	27·5	26·8	26·0	25·8	25·2	24·6	24·0	23·4	23·0	22·6	23·1
26	22·1	23·1	25·8	21·7	18·4	17·8	18·4	17·8	19·0	21·4	22·6	25·0	26·7	26·9	28·1	28·0	25·9	25·0	24·9	24·6	24·0	23·8	22·4	21·9	23·1
27	21·9	21·8	21·7	22·1	20·0	18·8	19·5	19·9	21·8	21·7	23·7	26·8	28·9	29·8	30·6	28·8	25·9	24·7	24·7	24·7	23·8	22·4	23·7	22·6	23·8
28 Q	22·4	23·2	21·7	19·7	17·9	18·8	18·0	18·8	19·3	19·3	20·8	24·0	26·6	26·1	25·7	25·5	24·8	24·6	23·8	23·2	23·8	23·7	23·0	23·1	22·4
29 Q	23·0	22·8	21·7	21·7	20·4	19·1	19·0	18·8	19·0	20·9	23·0	25·8	27·7	28·8	28·7	27·7	25·8	24·6	23·6	23·7	23·9	24·0	23·8	23·8	23·4
30	23·0	22·8	22·8	22·1	20·7	18·7	19·1	19·4	19·1	20·8	23·1	24·7	26·0	26·1	25·6	25·0	24·8	24·7	24·2	24·4	21·6	22·9	22·8	20·1	22·7
31	21·8	26·1	24·6	20·4	17·4	16·8	19·6	19·7	21·8	22·8	26·6	30·3	30·6	29·6	29·7	29·5	26·5	24·6	22·9	23·2	22·7	22·9	22·9	22·5	24·0
Mean.	22·5	23·0	22·6	22·1	20·8	19·8	19·9	19·4	20·2	21·4	23·6	26·3	28·3	29·2	28·7	27·7	26·4	25·5	25·0	24·5	23·8	23·3	23·0	22·8	23·7

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

072

Mean values for periods of sixty minutes ending at the Hours of Greenwich Mean Time.
44,000 γ (·44 C.G.S. unit) +

295. Eskdalemuir. **July, 1932.**

Hour. G. M. T. / 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	Mean.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	936	936	935	935	937	936	935	936	937	935	932	925	918	922	928	936	939	941	939	937	936	937	935	935	934
2	935	935	936	936	937	937	935	934	931	926	919	918	918	919	925	932	939	942	940	938	937	937	937	937	933
3 Q	937	937	937	937	936	936	936	942	939	932	925	920	919	921	926	933	939	941	939	936	934	934	933	932	933
4	932	934	935	935	937	938	934	933	930	924	916	909	911	918	923	930	934	936	934	930	931	929	928	929	920
5 D	929	930	927	927	926	926	925	925	924	919	910	907	907	908	908	918	929	932	945	956	953	945	933	929	927
6 D	930	929	928	930	921	919	915	908	919	926	926	923	929	939	958	962	954	951	951	951	947	940	933	922	934
7 D	910	915	921	915	912	916	924	924	926	933	936	932	927	929	929	932	940	944	954	949	944	939	936	932	930
8 D	922	923	921	926	925	927	927	927	925	927	923	911	914	918	922	931	939	943	945	943	939	924	915	915	926
9	915	912	915	921	923	926	926	926	925	925	925	920	922	922	925	929	934	937	938	938	936	934	926	921	926
10	917	906	900	904	915	919	923	924	920	919	920	921	921	921	924	927	932	935	931	935	932	925	920	920	921
11	923	923	923	922	921	920	920	922	925	924	914	898	902	906	911	920	921	924	928	928	926	925	921	915	919
12	916	917	918	921	918	916	915	918	919	915	912	909	911	914	916	921	924	924	925	928	932	928	922	919	919
13 Q	919	919	919	919	919	921	921	917	914	913	910	910	910	910	905	909	918	922	923	922	921	921	917	917	917
14 Q	918	917	917	917	918	920	920	919	917	912	909	907	906	908	910	916	919	920	924	921	920	919	917	916	916
15	916	916	917	919	921	924	921	919	916	915	909	902	901	905	908	914	919	920	919	918	918	919	915	914	915
16 D	914	914	915	914	914	911	905	904	894	900	900	896	905	919	922	922	927	928	923	920	922	922	918	911	913
17	905	899	902	909	912	909	910	909	912	908	910	910	910	912	910	912	915	917	917	917	916	917	918	917	911
18	917	916	915	914	915	915	914	915	915	911	907	903	905	907	910	915	922	924	929	926	922	919	918	916	915
19	918	918	915	914	914	913	912	909	909	906	904	906	902	900	905	912	917	917	917	920	915	917	911	913	912
20	913	914	912	911	912	913	913	911	907	906	903	899	899	906	911	916	920	920	918	915	912	912	911	910	911
21	902	902	905	909	910	910	909	909	909	908	902	900	894	893	899	905	914	917	916	914	914	916	913	910	916
22	907	905	908	909	910	912	910	909	908	905	903	896	896	899	901	904	909	913	917	921	920	917	905	904	908
23	905	908	908	909	908	907	907	908	907	904	903	901	898	900	906	913	915	915	914	914	912	911	909	909	906
24	909	908	908	909	911	910	910	911	911	911	905	902	899	900	903	906	907	911	915	922	918	916	913	911	909
25	906	906	907	908	909	910	913	912	910	907	904	900	896	897	901	903	902	904	905	907	906	908	907	906	906
26	906	905	900	892	899	899	902	902	902	904	905	900	892	891	896	903	912	916	916	916	916	912	911	910	904
27	910	910	910	908	908	908	907	907	910	907	905	901	899	902	907	915	921	919	919	919	918	915	907	907	910
28 Q	908	907	907	908	910	909	909	910	908	901	895	897	896	899	906	910	913	913	911	911	911	911	910	910	907
29 Q	909	909	906	908	910	911	909	908	907	900	894	891	893	899	905	907	910	913	913	911	909	908	908	908	906
30	908	907	906	908	909	909	908	908	908	906	899	893	891	898	904	905	909	909	909	908	910	908	906	904	905
31	903	901	894	893	894	894	897	895	899	903	902	897	897	902	910	920	928	924	923	918	913	911	909	907	906
Mean.	916	915	915	916	916	917	917	916	916	914	911	907	906	909	913	919	923	925	926	925	924	922	918	916	917

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE:
MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

296. Eskdalemuir. **July, 1932.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum. 16,000 γ + h.	m.	γ	Minimum 16,000 γ + γ	h.	m.	Range γ	Declination. Maximum 14° + h.	m.	′	Minimum 14° + ′	h.	m.	Range ′	Vertical Force. Maximum 44,000 γ + h.	m.	γ	Minimum 44,000 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	19	19	617	551	12	25	66	12	40	30·0	20·7	5	37	9·3	17	45	942	917	12	12	25	222	0	84·0
2	15	13	607	553	9	11	52	13	32	31·9	17·1	6	36	14·8	17	40	943	917	11	10	26	203	0	84·1
3 Q	21	7	597	545	11	7	52	13	20	33·5	17·6	7	42	15·9	7	50	944	918	12	50	26	203	0	84·1
4	14	18	650	553	13	56	97	14	20	34·6	18·6	5	42	16·0	17	10	938	907	11	54	31	300	1	84·2
5 D	17	40	674	543	10	59	131	14	3	35·4	17·8	6	8	17·6	20	9	962	905	12	5	57	473	1	84·2
6 D	4 23	25 38	616	482	14	27	134	6	40	33·7	18·6	8	50	15·1	14	56	965	904	7	13	61	500	1	84·3
7 D	17	40	612	517	9	24	95	13	22	31·4	18·2	0	18	13·2	18	20	954	908	0	6	46	374	1	84·3
8 D	17	9	660	527	9	30	133	13	52	29·7	18·1	7	42	11·6	19	0	946	909	11	19	37	392	1	84·3
9	17	21	628	523	9	48	105	14	33	29·7	17·7	22	9	12·0	18	11	939	909	1	50	30	313	1	84·4
10	21	12	624	520	10	5	104	11	23	28·6	16·6	8	7	12·0	17	43	936	898	2	43	38	348	1	84·5
11	18	10	598	525	11	2	73	13	43	28·9	18·8	7	32	10·1	18	48	932	897	11	34	35	274	0	84·6
12	19	33	617	535	9	33	82	13	42	28·1	16·8	20	11	11·3	20	22	932	907	12	0	25	253	0	84·6
13 Q	17	58	593	543	12	32	50	13	28	30·4	16·9	5	57	13·5	18	20	924	904	15	0	20	173	0	84·6
14 Q	17	52	603	537	11	41	66	12	57	30·2	17·4	5	53	12·8	18	28	924	905	12	4	19	200	0	84·7
15	22	4	603	544	9	30	59	14	8	26·7	16·8	7	12	9·9	5	25	924	898	12	4	26	210	0	84·7
16 D	16	41	624	491	14	0	133	13	52	35·2	12·8	21	35	22·4	17	3	932	893	8	40	39	396	1	84·7
17	19	26	596	540	0	50	56	13	19	28·8	15·5	2	49	13·3	22	46	919	896	1	48	23	201	1	84·8
18	18	47	618	545	8	28	73	13	6	29·7	17·8	5	56	11·9	18	20	930	902	12	0	28	251	1	84·8
19	22	15	642	545	8	33	97	13	23	28·0	18·5	5	35	9·5	18	56	921	899	13	32	22	264	1	84·9
20	19	53	602	544	10	48	58	14	22	29·7	16·8	23	53	12·9	17	14	921	896	11	55	25	208	0	84·9
21	20	1	609	527	11	38	82	15	30	29·9	17·5	0	1	12·4	21	19	918	892	13	17	26	253	0	85·0
22	21	48	625	541	11	4	84	13	46	30·4	17·1	8	10	13·3	19	20	922	894	11	35	28	265	0	85·0
23	17	32	603	545	11	32	58	13	35	29·1	15·7	7	6	13·4	17	12	916	897	12	30	19	181	0	85·0
24	18	23	614	547	10	52	67	14	25	28·7	17·8	7	40	10·9	19	32	923	898	12	50	25	223	0	85·1
25	20	49	611	552	10	17	59	13	14	27·8	18·7	7	52	9·1	7	12	913	896	12	43	17	174	0	85·3
26	18	55	603	547	12	33	56	14	54	28·7	16·8	5	42	11·9	18	0	918	890	3	30	28	223	0	85·3
27	22	6	599	544	11	59	55	14	5	30·8	17·9	6	6	12·9	16	34	923	898	13	0	25	203	0	85·3
28 Q	19	3	595	543	11	59	52	12	54	26·8	17·1	6	8	9·7	17	10	914	895	10	25	19	171	0	85·3
29 Q	20	4	599	553	13	19	46	13	32	29·7	18·7	5	50	11·0	18	0	913	890	11	24	23	179	0	85·3
30	19	17	617	556	9	32	61	13	26	26·7	17·3	5	11	9·4	20	20	911	890	12	10	21	195	1	85·3
31	17	50	608	527	11	28	81	11	50	31·6	15·5	5	34	16·1	16	23	929	891	4	4	38	305	1	85·3
Mean.	--	--	615	537	--	--	78	--	--	30·1	17·4	--	--	12·7	--	--	930	901	--	--	29	262	0·42	84·7
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see p.175. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 323-334.

10·5 C·2B 1932/082/01 BB/160 G 1

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

297. Eskdalemuir. D 2 16,000 γ (·16 C.G.S.unit) + **August, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	585	590	581	580	581	579	577	573	562	555	550	547	553	562	572	577	590	596	590	581	595	595	591	587	577
2 D	585	579	578	577	591	591	564	574	571	560	551	556	556	563	579	610	597	606	591	605	591	624	582	566	581
3 D	592	579	578	573	582	581	566	513	532	542	522	506	531	574	582	583	591	599	589	594	591	610	578	560	569
4	545	571	568	570	556	576	569	557	533	522	541	537	528	559	574	584	584	591	596	594	587	583	582	582	566
5	581	581	580	582	582	586	584	576	555	504	512	540	563	562	560	568	574	579	585	592	601	583	577	582	570
6	596	587	572	565	573	574	571	564	555	547	537	537	548	554	565	578	581	577	585	592	588	584	589	578	570
7	577	577	578	578	578	573	569	564	558	550	549	547	551	564	557	569	570	578	586	582	590	586	583	578	571
8	579	575	581	578	585	583	580	575	565	555	551	554	556	574	578	574	588	588	587	586	588	584	584	584	576
9	580	575	579	583	578	589	585	560	549	560	552	543	543	551	564	564	562	576	584	587	584	580	578	579	570
10 Q	579	579	580	574	574	574	570	561	556	551	551	556	561	566	568	574	579	580	592	592	588	586	583	586	573
11	584	583	581	582	582	580	578	574	566	556	557	563	566	573	583	588	588	592	597	597	597	597	593	598	581
12	578	565	569	588	596	579	579	570	560	559	558	560	566	574	597	588	578	584	587	589	589	587	588	589	578
13	579	579	569	592	580	579	574	543	549	560	556	548	552	569	570	569	584	583	582	575	579	583	573	579	571
14	575	575	579	580	580	575	557	552	549	537	539	551	559	566	569	579	584	589	588	589	587	581	585	580	571
15	575	576	575	575	576	574	569	567	562	558	555	560	557	564	566	574	576	588	589	589	581	584	577	581	573
16 Q	576	573	581	584	581	575	574	570	562	553	553	557	566	576	584	585	582	584	585	588	586	584	580	580	576
17 Q	584	579	580	579	579	579	573	566	557	546	543	549	565	570	580	583	598	598	598	597	589	581	580	577	576
18 Q	575	580	581	577	575	568	566	561	552	545	547	551	558	565	575	580	585	589	594	593	594	589	589	583	574
19 Q	583	580	581	580	576	572	570	564	554	549	543	546	558	567	571	570	576	584	593	592	589	586	581	581	573
20	580	580	580	580	580	577	572	566	557	548	543	543	557	566	581	585	594	596	598	598	603	602	603	595	579
21	607	592	596	599	594	583	570	558	553	548	537	544	538	548	561	569	576	593	598	589	589	589	585	598	576
22	572	567	568	575	576	572	568	566	554	553	548	545	549	571	553	574	590	567	589	582	577	576	577	576	569
23	572	571	571	571	573	563	554	557	554	544	525	544	566	566	570	561	564	576	580	580	581	577	580	584	566
24	581	571	571	571	571	572	568	566	562	556	548	543	544	553	559	571	576	576	580	581	582	581	580	576	568
25	576	572	571	571	567	568	566	553	556	548	548	548	554	662 562	567	572	577	582	586	590	589	590	585	594	571
26	582	585	576	579	581	576	569	563	558	551	553	557	563	568	565	575	573	576	580	584	582	585	590	584	573
27 D	585	582	576	580	576	585	593	567	529	553	554	558	562	563	561	587	562	599	610	562	581	583	605	548	573
28 D	553	516	557	571	566	548	515	558	526	450	498	521	549	563	553	581	600	562	585	567	572	572	581	609	553
29 D	559	550	553	562	536	554	563	522	522	535	516	525	539	549	568	571	590	581	577	608	558	576	571	574	557
30	570	562	553	564	571	559	553	551	521	535	531	530	539	572	562	592	588	564	581	565	577	562	565	576	560
31	571	567	561	558	565	564	559	539	543	534	538	539	548	559	567	576	577	570	568	572	579	587	570	571	562
Mean.	578	574	574	577	576	574	569	560	551	544	542	545	553	564	570	578	582	584	588	587	586	586	583	581	571

C 8 1 110

MAGNETIC DECLINATION (WEST)

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

298. Eskdalemuir. 14°+ **August, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	21·4	19·8	20·4	18·8	18·6	17·4	17·2	17·5	19·4	21·4	22·8	24·6	26·7	29·5	29·4	27·9	27·2	27·0	24·5	22·2	21·4	18·6	17·8	18·6	22·1
2 D	19·5	24·4	20·6	16·2	16·7	17·7	20·6	20·6	18·7	19·8	22·1	25·5	27·6	29·5	29·8	28·7	22·8	26·6	19·8	22·4	23·4	16·6	15·6	21·0	21·9
3 D	21·6	23·6	20·5	22·4	21·7	20·1	20·6	24·2	24·9	23·1	24·6	29·6	32·8	29·9	28·7	26·6	22·5	17·8	22·9	24·7	21·4	17·4	19·8	15·2	23·2
4	24·6	24·9	22·2	23·5	26·2	24·6	21·6	21·2	22·5	25·1	23·1	25·6	27·5	28·8	28·2	25·8	24·6	22·5	23·0	23·5	23·5	22·8	22·6	22·4	24·2
5	21·6	21·5	20·9	21·8	23·5	25·8	22·6	19·6	17·8	21·2	25·4	26·5	27·7	28·8	28·6	27·1	24·6	22·8	21·6	21·9	20·5	19·6	19·8	21·5	23·0
6	20·6	20·4	19·5	22·4	21·5	20·3	18·6	17·8	17·7	18·2	20·2	23·4	26·7	28·4	28·0	25·8	25·2	23·8	22·8	22·8	22·7	22·5	20·4	19·8	22·1
7	21·4	21·7	21·8	21·5	21·5	20·7	19·6	17·6	16·8	18·1	21·7	26·3	28·4	29·7	28·8	28·2	26·5	24·9	22·9	22·6	21·4	21·7	22·7	21·5	22·8
8	22·5	22·2	24·6	21·9	22·4	21·2	21·2	20·4	19·4	19·5	21·6	24·3	27·6	29·9	29·4	27·4	25·5	23·8	22·4	21·7	23·1	23·0	22·7	22·3	23·3
9	21·6	21·1	21·6	21·4	23·2	21·5	18·9	18·6	22·6	25·4	23·8	25·6	27·6	27·2	26·3	25·0	23·6	22·7	22·5	22·3	21·9	21·1	21·1	22·6	22·9
10 Q	22·2	22·3	21·6	19·9	19·4	18·8	17·6	17·7	18·6	19·5	20·9	23·0	25·5	27·0	27·3	25·7	24·3	23·4	23·6	23·5	22·9	22·6	22·5	22·5	22·2
11	22·1	21·4	21·6	21·2	20·6	20·1	19·4	18·9	19·0	21·6	22·6	24·5	26·8	28·1	28·2	26·4	25·5	24·2	24·4	24·5	23·5	22·7	22·6	19·4	22·9
12	13·3	10·6	11·4	23·6	14·5	17·9	16·9	16·6	17·8	19·1	21·4	24·6	29·0	32·6	32·4	30·7	26·8	24·6	23·4	23·1	23·3	22·8	21·6	19·0	21·5
13	20·6	18·5	17·1	21·2	17·4	16·6	15·3	16·5	21·6	20·7	23·0	25·9	27·7	28·5	28·6	26·2	24·9	23·4	17·7	21·6	22·6	21·7	23·3	16·6	21·5
14	19·6	20·6	20·7	20·8	20·3	18·6	19·2	17·6	17·3	19·9	21·6	24·5	27·3	28·8	27·6	25·0	23·8	22·8	22·3	22·6	22·6	22·3	22·4	21·6	22·1
15	21·0	21·3	20·3	19·9	19·3	17·6	19·5	19·2	19·6	20·7	22·6	26·4	29·0	30·5	29·6	27·8	24·7	23·7	23·6	23·3	22·1	21·7	21·6	21·6	22·8
16 Q	19·1	18·7	20·6	21·0	19·7	19·3	19·6	19·8	18·8	20·3	23·3	26·4	28·7	28·2	26·6	25·6	24·3	23·5	22·6	22·4	22·7	22·5	21·7	21·6	22·4
17 Q	21·2	20·5	20·4	19·7	20·1	19·2	17·7	17·6	16·7	18·6	20·7	23·6	26·8	27·5	26·1	24·4	24·1	24·2	23·5	23·6	22·8	23·5	22·6	21·6	21·9
18 Q	20·8	20·6	20·4	20·6	20·4	18·7	18·6	17·5	18·8	19·9	22·4	25·3	27·8	28·5	26·1	24·6	23·3	22·7	21·8	22·7	23·1	22·9	22·8	20·9	22·1
19 Q	20·3	19·8	19·6	19·4	19·2	18·4	18·1	17·6	17·7	18·8	21·0	24·7	27·0	29·2	28·5	27·4	25·7	24·6	23·7	23·2	22·4	21·6	21·4	21·3	22·1
20	21·0	20·9	20·7	20·9	20·4	19·3	18·3	17·1	17·0	18·8	21·4	24·8	27·4	28·3	27·9	26·9	25·6	24·6	22·6	22·8	24·0	23·6	22·6	20·8	22·4
21	21·0	19·1	22·0	20·3	20·1	20·6	22·6	17·8	17·6	19·5	22·6	27·4	29·5	30·8	30·6	29·6	25·9	24·5	22·6	24·0	24·1	22·7	20·2	14·8	22·9
22	16·2	19·6	20·9	19·9	19·5	18·6	17·4	17·1	17·9	20·1	23·6	27·9	29·7	30·6	26·1	25·6	26·8	23·6	16·9	18·4	22·0	22·8	22·7	21·6	21·9
23	21·4	21·4	20·9	20·7	20·4	20·9	20·5	18·4	17·9	20·6	23·8	26·3	26·6	27·6	27·3	24·6	23·2	22·3	22·4	22·0	21·8	21·8	21·4	20·6	22·3
24	19·1	20·4	20·6	20·3	20·1	19·9	19·7	18·4	17·7	18·8	21·2	23·4	26·0	26·8	25·3	24·0	22·8	21·5	20·6	21·4	22·3	23·2	20·9	20·8	21·5
25	20·6	20·4	20·1	20·8	21·9	21·1	19·3	19·2	19·9	19·8	21·6	24·7	28·2	28·9	26·9	24·9	23·1	22·4	22·4	22·6	22·5	20·6	21·6	21·0	22·3
26	21·6	21·1	19·4	19·5	19·2	18·5	18·4	18·1	18·9	20·1	22·1	24·2	26·5	27·4	25·4	24·1	22·9	22·7	22·2	22·6	21·8	22·3	20·6	20·3	21·7
27 D	21·2	20·9	20·4	19·7	20·5	20·7	20·4	21·3	22·6	29·9	29·2	26·0	27·9	30·0	29·6	29·9	27·3	18·6	15·6	20·6	23·1	21·6	6·3	10·6	22·3
28 D	14·7	25·5	14·4	14·0	18·6	21·5	28·5	2[illegible]·9	20·5	21·9	25·0	27·1	27·7	29·9	27·7	24·5	22·7	20·3	17·6	22·9	23·0	22·8	21·1	22·8	22·6
29 D	17·7	16·9	21·0	20·8	23·3	22·9	19·9	22·0	22·5	23·5	27·7	30·5	30·5	25·7	28·3	26·5	19·7	15·7	18·5	17·6	18·7	22·7	25·7	22·7	22·5
30	21·7	25·7	24·7	21·9	18·8	16·7	18·5	18·6	19·5	20·7	24·0	26·4	26·2	29·0	26·8	21·3	16·9	21·5	17·7	18·8	18·9	16·5	21·2	26·5	21·7
31	23·7	19·7	19·0	21·5	20·9	20·9	19·0	18·9	20·5	20·8	23·6	25·9	27·6	27·9	25·3	23·9	21·6	20·6	20·7	21·7	22·6	20·8	20·6	21·6	22·1
Mean.	20·5	20·8	20·3	20·6	20·3	19·9	19·5	19·1	19·3	20·8	22·9	25·6	27·8	28·8	27·9	26·2	24·1	22·8	21·6	22·3	22·3	21·6	21·0	20·5	22·4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

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

299. Eskdalemuir. 44,000 γ (·44 C.G.S.unit) + August, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	907	905	897	901	906	909	909	909	906	903	898	893	892	894	900	911	923	938	944	938	923	913	892	886	908
2 D	893	895	871	889	896	899	900	900	903	900	897	895	899	900	901	913	934	931	937	927	919	905	894	893	904
3 D	882	877	884	890	894	895	898	899	893	897	897	894	898	904	911	916	925	928	922	914	916	909	900	888	901
4	856	876	888	892	881	884	892	898	900	898	897	894	901	906	909	914	916	919	914	910	909	908	906	906	899
5	906	906	906	906	904	895	893	894	897	905	898	891	886	897	906	907	913	914	916	917	911	907	903	895	903
6	890	887	896	900	903	905	907	907	907	904	903	897	894	900	906	911	916	920	917	912	911	910	906	902	905
7	902	903	904	906	907	907	908	908	905	902	897	893	889	890	895	899	903	909	911	910	908	906	905	902	903
8	902	903	902	903	903	904	905	906	904	901	898	894	892	893	898	900	904	910	915	916	910	907	904	904	903
9	903	904	903	904	904	897	899	901	900	896	898	900	900	900	905	909	910	911	910	909	908	908	907	903	904
10 Q	903	903	901	903	905	906	908	908	907	903	897	893	890	890	895	899	903	905	902	902	901	899	900	899	901
11	900	899	899	899	902	902	902	902	900	893	887	884	882	886	893	898	902	901	897	897	897	897	897	893	896
12	883	874	870	868	864	880	889	893	892	885	880	876	872	875	880	897	900	901	899	897	897	899	898	896	886
13	894	890	892	883	890	893	896	895	891	890	888	885	886	892	898	899	903	909	919	912	906	904	892	892	896
14	894	895	895	896	897	897	897	898	896	891	888	884	882	885	895	899	899	899	895	896	897	898	897	897	894
15	897	897	897	897	896	896	895	895	896	892	883	879	883	892	898	902	904	901	898	898	899	898	898	898	895
16 Q	895	896	895	894	894	893	892	892	894	894	883	880	884	891	895	896	900	899	898	896	894	894	895	894	893
17 Q	894	894	894	894	894	896	894	893	887	888	885	882	875	880	885	888	892	894	896	897	894	896	895	894	891
18 Q	894	892	892	892	892	893	892	892	891	889	884	876	878	883	888	893	896	895	892	892	891	892	890	888	890
19 Q	890	891	891	892	894	894	891	886	883	886	881	879	880	882	888	892	892	891	891	891	891	892	891	891	889
20	891	891	891	891	891	893	892	890	887	886	882	881	880	881	883	888	891	894	894	894	889	889	888	888	889
21	883	885	885	882	885	884	881	883	884	880	879	874	879	885	890	896	901	902	907	900	896	893	893	884	888
22	876	880	886	889	891	892	894	893	892	886	880	876	878	881	900	897	902	911	915	908	900	896	894	892	892
23	892	892	893	892	894	895	895	897	893	888	888	886	882	883	894	905	900	897	893	891	891	891	891	891	892
24	888	887	888	889	890	891	892	892	890	889	885	881	881	878	885	890	893	894	895	894	892	890	890	889	889
25	885	884	886	886	888	889	893	893	889	885	880	877	876	877	886	889	893	892	889	888	889	889	889	885	887
26	883	883	885	886	887	888	888	888	887	885	879	876	878	883	891	892	891	890	888	888	888	888	885	883	886
27 D	881	882	882	881	882	879	876	876	875	873	874	878	881	882	894	909	921	929	926	924	907	896	852	850	888
28 D	855	835	723	798	848	856	852	845	865	879	885	877	878	881	900	920	942	949	936	911	899	896	890	855	874
29 D	857	873	873	872	872	870	879	884	885	889	887	884	890	909	913	923	936	928	927	901	896	888	851	866	890
30	866	859	835	845	866	875	880	884	884	883	880	880	887	892	896	913	927	918	916	906	883	883	883	872	884
31	861	866	878	880	879	879	883	887	887	883	879	878	881	888	899	901	905	906	902	897	892	887	882	883	886
Mean.	887	887	883	887	890	891	893	893	893	891	888	884	885	889	896	902	908	909	908	904	900	898	892	889	894

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

300. Eskdalemuir. August, 1932.

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination. Maximum 14° +			Minimum 14° +			Range	Vertical Force. Maximum 44,000 γ +			Minimum 44,000 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	22	5	622	539	11	21	83	15	8	30·9	11·7	21	55	19·2	17	55	949	881	23	36	68	443	1	85·4
2 D	21	30	656	527	12	0	129	1	55	35·1	6·5	21	23	28·6	18	47	941	866	2	29	75	555	1	85·5
3 D	21	10	647	495	11	42	152	12	44	35·3	6·7	21	4	28·6	17	10	930	865	24	0	65	539	1	85·5
4	16	22	613	504	0	12	109	13	28	29·5	19·6	7	11	9·9	17	6	920	850	0	24	70	495	1	85·5
5	20	23	615	453	9	49	162	14	12	29·6	16·2	8	20	13·4	19	35	918	885	12	20	33	422	1	85·5
6	0	30	604	453	10	51	151	14	12	29·0	16·9	8	13	12·1	17	30	920	885	1	12	35	413	0	85·5
7	20	49	596	544	11	39	52	13	40	30·5	16·5	8	30	14·0	18	47	911	889	12	30	22	185	0	85·5
8	17	46	596	551	10	32	45	13	25	30·5	18·5	9	10	12·0	19	10	918	892	12	20	26	192	0	85·5
9	5	32	592	540	11	40	52	12	38	27·7	17·7	7	10	10·0	17	49	912	894	9	27	18	167	0	85·6
10 Q	18	53	600	547	9	29	53	14	10	27·8	16·8	6	52	11·0	7	40	908	889	12	30	19	173	0	85·6
11	19	0	611	552	10	20	59	14	5	28·7	14·5	24	0	14·2	7	37	903	881	12	0	22	197	0	85·6
12	15	18	630	548	11	33	82	13	47	33·9	9·7	1	50	24·2	17	18	903	855	4	4	48	347	1	85·6
13	3	22	601	519	7	52	82	14	27	29·5	12·7	6	36	16·8	18	28	920	880	3	40	40	320	1	85·7
14	19	8	598	526	10	10	72	13	32	29·4	16·5	9	3	12·9	17	3	900	880	12	10	20	210	0	85·7
15	17	38	599	552	12	8	47	13	54	31·1	16·9	5	15	14·2	16	15	905	878	11	50	27	199	0	85·7
16 Q	19	9	593	548	9	58	45	12	37	29·5	17·7	0	58	11·8	16	30	900	879	11	0	21	169	0	85·8
17 Q	16	36	604	539	10	36	65	13	9	27·9	15·9	8	7	12·0	19	30	898	875	12	33	23	211	0	85·9
18 Q	20	29	603	541	9	20	62	13	0	28·9	17·4	7	16	11·5	16	40	897	876	11	41	21	197	0	85·9
19 Q	18	16	599	538	10	32	61	13	29	29·8	17·4	8	5	12·4	5	43	895	878	11	40	17	173	0	85·9
20	22	17	608	539	11	36	69	13	32	28·7	16·3	7	47	12·4	18	40	894	880	12	30	14	178	0	85·9
21	0	36	625	529	12	36	96	14	18	31·8	13·6	24	0	18·2	18	20	909	873	11	36	36	325	1	85·9
22	18	51	635	530	11	47	105	13	31	31·5	11·4	18	37	20·1	18	35	921	874	11	28	47	385	1	85·9
23	23	54	594	517	10	9	77	14	26	28·3	17·5	7	40	10·8	15	42	908	880	12	50	28	254	1	85·9
24	20	59	588	539	11	59	49	13	26	27·2	17·5	8	40	9·7	18	40	896	878	13	25	18	162	0	86·1
25	21	21	610	544	9	58	66	11	28	29·6	18·2	21	22	11·4	7	21	894	875	12	0	19	195	0	86·1
26	22	18	601	549	9	58	52	13	30	27·9	17·4	7	13	10·5	15	25	893	875	11	20	18	167	0	86·1
27 D	17	54	658	520	14	32	138	14	0	33·1	-3·4	22	47	36·5	17	51	942	839	22	55	103	691	2	86·1
28 D	16	49	626	432	9	28	194	1	47	39·8	5·9	17	57	33·9	17	52	971	708	2	22	263	1503	2	86·1
29 D	19	10	681	499	11	4	182	22	3	34·9	-4·5	19	5	39·4	16	20	941	840	0	1	101	755	2	86·1
30	18	30	641	498	12	10	143	13	34	29·8	10·5	19	58	19·3	16	40	931	829	3	0	102	695	1	86·1
31	21	14	594	520	9	30	74	13	26	29·0	16·3	8	7	12·7	17	6	908	838	0	15	70	437	1	86·3
Mean.	--	--	614	524	--	--	91	--	--	30·5	13·6	--	--	16·9	--	--	915	867	--	--	48	366	0·58	85·8
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see p.175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334.

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

301. Eskdalemuir. 16,000 γ (·16 C.G.S.unit) + September, 1932.

Hour. G. M. T. / 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	Mean
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	571	571	564	571	571	558	553	562	553	540	547	548	555	548	548	563	581	570	576	576	576	575	572	580	564
2	585	558	560	559	562	567	568	553	553	548	547	553	558	552	570	562	579	579	576	578	577	579	576	574	566
3 Q	566	568	568	567	568	566	562	558	557	553	549	551	557	557	570	577	571	568	576	586	581	577	582	580	567
4	572	572	568	572	571	567	565	558	548	547	544	544	553	561	566	576	576	576	585	583	573	577	580	573	567
5	572	576	576	576	576	572	570	561	550	547	540	552	551	566	582	572	570	581	585	589	588	587	589	583	571
6 D	581	576	585	586	590	590	567	571	570	561	553	545	539	539	544	563	567	544	557	554	562	553	553	559	563
7	559	558	559	559	561	557	554	553	547	534	522	525	540	544	548	558	564	571	562	568	575	578	582	563	556
8 D	571	576	554	538	559	576	574	571	558	548	539	540	549	562	572	577	589	572	557	581	566	569	568	572	564
9	596	558	542	548	558	548	563	563	553	547	542	544	553	558	562	566	567	571	576	572	580	573	566	571	562
10 Q	568	566	565	566	566	566	558	553	544	536	535	537	548	558	567	569	568	570	576	578	579	577	576	579	563
11 Q	572	562	567	567	564	564	567	564	558	558	559	567	571	571	567	566	567	573	578	580	576	569	572	572	568
12	571	572	568	568	567	566	563	563	562	559	561	559	562	565	564	566	568	576	579	581	580	576	575	571	568
13	576	576	576	574	572	569	567	558	553	555	554	558	570	572	584	571	582	582	581	580	581	576	581	585	572
14	581	579	577	576	577	571	570	571	560	549	545	550	562	570	572	573	576	577	580	580	581	577	575	579	571
15	575	575	574	575	575	572	568	558	546	542	535	540	558	568	576	571	577	581	585	585	585	585	581	571	569
16 Q	577	576	577	576	576	572	565	556	548	538	538	545	550	562	568	571	576	577	581	581	583	582	581	580	568
17 Q	580	580	577	576	571	568	565	559	558	553	551	553	562	571	576	576	581	581	583	585	586	585	581	593	573
18	586	576	579	576	581	581	572	560	558	549	545	545	559	554	558	575	543	563	577	586	585	585	604	558	569
19	564	586	572	562	569	577	573	567	558	542	545	558	543	558	568	553	553	562	564	566	563	607	568	563	564
20	567	560	570	581	583	570	565	544	530	544	545	547	551	553	554	543	567	572	574	571	570	571	581	571	562
21	582	567	568	576	562	564	572	553	553	548	545	551	553	559	564	567	567	567	573	566	564	568	581	577	564
22	571	571	573	577	590	594	569	565	558	544	517	525	545	557	559	564	549	576	564	568	562	559	568	562	562
23 D	566	564	567	572	570	581	569	567	544	505	525	521	536	554	546	576	553	548	544	538	579	562	559	562	555
24 D	543	548	564	558	581	557	543	562	554	542	518	529	549	537	571	543	563	565	559	578	574	550	576	566	555
25 D	567	548	570	562	563	546	547	539	543	534	535	530	536	521	553	553	547	543	543	553	540	594	544	548	548
26	548	558	571	558	558	545	542	540	544	531	530	539	553	556	560	560	566	566	572	565	575	576	572	565	556
27	557	559	549	553	564	562	559	550	551	544	530	540	543	559	544	536	562	569	563	570	563	567	576	576	556
28	576	568	564	562	567	568	565	561	559	557	559	559	563	566	553	558	558	562	568	568	568	568	571	572	564
29	566	593	559	566	569	566	565	565	558	552	539	552	562	565	560	561	566	561	561	570	579	558	566	562	563
30	554	566	560	569	565	575	570	553	548	554	552	552	542	548	552	547	546	567	571	574	570	581	571	569	561
Mean.	571	569	567	568	570	568	564	559	553	545	542	545	552	557	563	564	567	569	571	574	574	575	574	571	564

091 140

MAGNETIC DECLINATION (WEST).

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

302. Eskdalemuir. 14°+ September, 1932.

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

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

0 93

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

44,000 γ (·44 C.G.S. unit) +

303. Eskdalemuir. **September, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	887	889	887	883	887	888	886	885	884	885	882	882	884	889	898	895	899	902	894	889	890	890	890	888	889
2	874	873	881	882	881	884	882	885	885	881	879	878	881	890	897	900	898	896	892	891	891	892	887	882	886
3 Q	883	885	886	887	885	885	887	885	880	877	875	877	880	883	889	892	896	894	888	885	888	889	886	884	885
4	885	885	885	884	884	886	888	890	889	881	879	884	887	888	892	893	892	891	890	888	891	887	877	872	886
5	879	883	883	883	884	886	886	887	886	883	879	878	878	878	885	899	905	894	886	883	882	883	883	885	885
6 D	882	881	881	879	874	873	875	872	875	877	877	873	877	893	942	953	964	939	923	922	894	885	877	881	895
7	884	887	888	888	888	888	888	889	888	886	886	884	881	884	887	889	891	891	894	892	890	889	875	875	887
8 D	876	876	878	840	811	843	852	857	866	870	871	872	874	875	877	879	880	891	903	889	892	886	884	881	872
9	864	870	858	849	862	866	868	871	875	877	878	875	873	875	881	883	889	891	887	887	887	885	882	879	875
10 Q	878	878	879	879	879	881	882	879	877	874	871	869	870	871	874	877	881	880	879	879	879	878	877	874	877
11 Q	874	877	876	877	877	877	877	878	876	873	869	870	870	874	876	875	874	874	876	877	878	881	879	879	876
12	878	878	877	877	876	875	875	875	875	872	868	869	871	873	876	877	877	876	876	875	877	879	881	878	875
13	877	878	877	876	873	874	875	874	871	870	868	864	865	869	873	873	873	874	875	877	878	879	879	877	874
14	877	877	876	876	875	876	873	870	869	868	864	863	865	870	873	875	875	874	873	876	877	877	877	876	873
15	876	876	876	876	876	877	879	879	878	877	873	868	861	866	874	881	882	881	877	877	876	877	877	877	876
16 Q	876	877	877	877	877	878	879	878	874	871	865	862	864	867	873	878	878	875	873	873	873	874	875	875	874
17 Q	875	876	876	876	876	876	877	874	868	865	864	864	864	869	873	875	873	871	872	873	873	873	876	870	872
18	865	870	871	872	870	871	873	872	867	868	867	864	863	867	870	872	888	885	881	878	876	877	867	851	871
19	855	833	840	856	864	867	867	865	864	867	870	868	871	870	878	892	905	893	891	889	888	869	859	868	870
20	871	868	839	838	840	845	847	856	867	868	868	867	869	873	878	889	888	885	881	881	881	881	875	873	868
21	861	857	861	859	861	864	864	872	873	872	871	867	864	865	872	877	878	879	879	881	880	878	870	861	869
22	864	867	868	867	857	852	861	864	867	864	865	863	868	871	874	879	892	893	887	883	881	876	864	861	870
23 D	866	867	861	860	867	865	867	867	868	871	870	874	875	880	883	893	928	944	941	930	882	859	856	847	880
24 D	852	852	852	858	864	858	856	861	867	865	867	867	867	874	882	925	924	896	898	902	895	899	859	821	873
25 D	839	830	805	822	842	845	851	856	864	871	871	874	877	898	918	936	921	932	919	900	884	848	847	855	871
26	857	842	847	864	867	862	864	869	870	867	867	869	868	869	873	875	877	876	875	878	881	872	864	859	867
27	836	821	845	859	864	868	870	873	868	865	867	865	870	880	886	898	893	889	885	885	879	878	877	873	871
28	870	869	871	870	868	869	870	870	868	867	865	869	869	876	881	882	885	882	881	881	881	881	879	878	874
29	876	856	863	868	870	872	871	869	868	864	867	866	868	870	874	873	875	877	878	881	872	874	873	868	871
30	856	853	860	859	864	864	866	868	870	867	862	862	872	875	882	888	885	881	879	877	878	877	864	868	870
Mean.	870	868	867	868	869	870	872	873	873	872	871	870	872	876	883	889	892	890	888	886	882	879	874	871	876

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

304. Eskdalemuir. **September, 1932.**

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 14° +			Minimum 14° +			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	23	52	594	535	13	40	59	13	0	29·6	14·3	24	0	15·3	17	26	904	881	11	44	23	201	1	86·3
2	0	28	596	540	13	46	56	13	25	30·7	11·6	1	10	19·1	14	56	901	867	0	55	34	250	1	86·3
3 Q	22	35	595	548	10	44	47	12	58	28·3	17·6	7	50	10·7	16	40	896	875	10	44	21	172	0	86·3
4	19	40	595	540	11	3	55	13	14	29·9	14·7	21	32	15·2	15	13	893	869	23	3	24	199	0	86·3
5	15	8	594	535	10	10	59	14	41	28·7	16·7	23	41	12·0	16	11	912	876	12	2	36	260	1	86·3
6 D	5	21	595	502	14	24	93	14	21	34·8	7·7	21	30	27·1	15	54	971	871	5	41	100	603	1	86·3
7	22	5	622	515	9	58	107	13	39	26·9	9·0	21	50	17·9	18	55	895	872	22	44	23	281	1	86·3
8 D	24	0	599	526	3	18	73	2	50	28·0	6·8	4	48	21·2	18	18	905	802	4	11	103	583	1	86·3
9	0	14	614	513	2	52	101	11	35	27·9	13·5	1	30	14·4	17	6	893	844	3	10	49	388	1	86·3
10 Q	21	9	586	530	10	53	56	12	40	26·8	17·2	8	18	9·6	17	0	882	869	11	12	13	151	0	86·3
11 Q	19	57	581	557	9	45	24	12	20	26·8	16·9	1	23	9·9	21	32	882	868	10	50	14	103	0	86·3
12	22	13	589	555	11	18	34	13	24	26·7	12·9	22	12	13·8	22	33	881	868	11	0	13	114	0	86·3
13	16	41	595	547	8	28	48	12	28	28·8	17·8	7	38	11·0	21	40	881	862	11	53	19	165	0	86·3
14	17	57	610	543	10	33	67	12	51	29·7	17·8	7, 21	48, 0	11·9	21	50	878	862	11	20	16	183	0	86·3
15	22	14	595	530	10	48	65	13	6	29·8	16·8	7	41	13·0	16	30	883	860	12	30	23	211	0	86·3
16 Q	18	48	588	535	9	45	53	12	43	29·0	16·8	7	41	12·2	6	30	879	861	11	40	18	169	0	86·3
17 Q	23	25	601	548	10	10	53	12	40	26·6	17·8	7	5	8·8	5	50	877	864	12	0	13	146	0	86·3
18	22	48	623	529	16	21	94	12	28	30·6	5·1	22	49	25·5	16	40	890	847	23	10	43	349	1	86·3
19	21	50	622	517	15	56	105	1	11	29·8	13·6	0, 22	1, 44	16·2	16	25	908	827	1	28	81	538	1	86·3
20	22	38	604	516	8	24	88	1	57	30·8	15·5	21	14	15·3	15	30	889	834	2	43	55	393	1	86·3
21	22	42	609	540	10	0	69	13	32	26·5	15·7	3	47	10·8	19	40	882	852	1	5	30	250	1	86·3
22	4	52	635	511	10	40	124	11	12	32·6	6·6	21	23	26·0	17	12	898	848	5	6	50	431	1	86·3
23 D	20	52	627	493	9	19	134	12	28	31·8	-1·5	19	48	33·3	17	56	978	842	23	42	136	833	2	86·3
24 D	19	52	668	507	15	18	161	15	7	31·9	6·4	19	19	25·5	15	47	949	816	23	28	133	864	2	86·2
25 D	21	39	632	501	15	46	131	15	24	34·7	7·7	20	55	27·0	15	37	944	802	2	4	142	855	2	86·2
26	21	3	604	507	10	52	97	1	32	31·2	9·6	20	49	21·6	20	10	886	839	1	55	47	372	1	86·2
27	22	58	599	519	15	55	80	1	0	28·0	9·6	19	12	18·4	15	55	902	813	1	0	89	533	1	86·2
28	0	11	585	547	14	44	38	12	17	27·6	17·6	2	23	10·0	16	30	886	864	10	20	22	162	0	86·2
29	1	15	629	534	10	30	95	11	20	25·8	12·1	23	40	13·7	19	44	882	855	1	47	27	279	1	86·2
30	21	52	629	534	16	23	95	13	6	25·8	12·5	22	23	13·3	16	10	889	851	1	10	38	329	1	86·2
Mean.	--	--	607	528	--	--	79	--	--	28·3	12·1	--	--	16·1	--	--	900	852	--	--	48	346	0·73	86·3
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see p. 175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334.

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

16,000 γ (·16 C.G.S.unit) +

305. Eskdalemuir. **October, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	567	575	566	570	573	571	570	569	560	552	548	552	557	556	558	560	564	569	571	571	573	575	581	572	566
2	575	579	576	571	575	575	571	561	560	545	529	529	537	534	562	559	567	574	562	566	569	570	571	580	562
3	585	566	566	576	570	578	568	557	557	560	548	550	550	538	557	569	569	575	580	578	575	577	574	585	567
4	575	574	574	574	570	574	575	578	574	560	560	560	557	564	579	579	574	573	578	584	584	579	579	572	573
5	570	584	570	574	574	575	576	574	565	556	545	542	551	563	568	572	578	572	574	575	578	579	583	588	570
6 Q	581	574	573	568	574	575	574	574	569	562	551	549	559	566	572	572	574	574	578	579	575	580	573	572	571
7	592	568	565	569	574	574	574	572	565	556	551	551	560	565	574	577	574	573	574	575	578	577	577	582	571
8	577	573	573	572	573	577	577	573	565	556	550	550	555	558	565	568	576	573	568	563	558	565	569	570	567
9	581	573	573	574	578	573	572	569	556	550	542	544	547	556	578	556	568	578	581	573	578	573	573	594	568
10	568	569	567	563	568	573	568	567	564	555	541	537	545	558	564	541	541	571	566	573	589	568	569	572	562
11	572	573	571	568	572	576	576	577	567	554	546	545	553	559	565	571	572	574	577	572	577	580	584	573	569
12	583	568	567	565	569	572	573	573	567	561	555	554	557	562	564	569	573	572	572	572	571	572	571	573	568
13 Q	576	573	573	572	574	576	577	578	569	569	550	549	550	553	552	565	572	573	575	575	576	572	581	577	569
14 Q	573	573	572	572	573	575	573	572	564	553	545	547	554	562	566	572	572	577	584	584	581	578	585	580	570
15 D	577	568	567	565	596	594	593	586	548	511	493	507	520	533	530	536	544	531	553	557	557	543	586	576	553
16 D	548	543	553	534	570	569	534	556	536	540	520	521	536	542	543	560	544	562	562	565	566	563	566	569	550
17	589	571	563	559	563	570	570	571	548	537	548	551	553	540	540	553	543	553	540	553	567	571	554	555	557
18	576	552	564	558	565	563	565	562	556	547	537	534	543	556	561	559	563	561	564	565	568	568	571	579	560
19	568	565	566	570	573	554	575	579	565	556	543	534	529	547	557	561	557	560	564	565	569	565	567	563	561
20 D	563	564	565	568	569	570	575	573	559	548	533	528	538	528	546	561	556	523	529	527	518	492	517	542	545
21 D	533	507	521	537	533	555	533	538	535	491	523	521	528	545	548	544	552	554	561	552	561	560	561	560	540
22	559	557	557	560	563	564	564	564	558	548	544	540	545	540	546	545	541	545	540	550	586	545	561	563	554
23 D	568	551	562	554	573	573	573	577	564	531	526	531	540	545	545	532	537	568	558	581	555	551	563	555	555
24	558	555	559	559	563	568	572	576	572	540	531	540	545	545	555	551	554	551	563	558	568	548	550	554	556
25	557	559	557	554	559	557	567	563	552	534	527	521	527	534	544	545	563	562	559	554	555	558	562	562	551
26 Q	563	562	559	558	557	562	563	561	554	546	539	536	535	542	553	558	557	558	562	561	562	562	561	563	556
27	563	567	563	561	571	572	575	567	563	560	538	525	535	557	538	533	554	560	561	555	547	544	550	552	555
28 Q	565	562	557	556	548	564	561	557	549	543	538	543	553	558	562	563	564	566	566	566	566	565	565	564	558
29	566	566	566	570	569	574	571	571	564	555	549	548	553	560	566	570	575	577	576	573	572	578	574	564	567
30	561	562	560	566	570	566	561	565	559	551	528	524	547	552	551	542	556	561	565	560	570	563	564	560	557
31	558	561	559	565	565	565	570	558	560	552	542	542	548	551	556	559	565	565	565	564	565	566	566	569	560
Mean.	569	564	564	564	569	570	569	568	559	547	539	539	545	551	557	558	561	564	565	566	568	564	568	569	561

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MAGNETIC DECLINATION (WEST).

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

14^{o}+

306. Eskdalemuir. **October, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	20·0	23·8	18·9	18·7	18·6	18·8	19·5	18·7	18·7	19·9	21·9	25·1	27·0	25·9	24·5	23·5	22·1	21·1	21·4	21·1	20·7	20·5	19·4	19·7	21·2
2	20·4	19·8	19·7	19·8	19·6	19·4	19·5	19·7	20·4	21·6	24·2	27·3	28·6	27·5	25·7	25·7	23·5	22·5	19·9	17·6	19·6	19·6	19·7	20·4	21·7
3	19·6	16·4	21·7	17·4	17·6	18·6	19·5	19·5	19·5	20·6	20·8	22·5	25·6	24·7	25·2	24·7	23·6	21·5	21·3	20·7	20·5	20·5	19·7	17·8	20·8
4	19·7	19·6	17·9	17·5	19·2	19·1	19·1	18·5	18·5	18·7	21·5	22·8	24·2	24·5	25·6	24·7	24·8	23·5	23·9	23·1	21·6	20·3	16·7	16·4	20·9
5	19·1	22·4	18·4	20·1	19·6	20·5	19·7	19·5	18·7	18·6	21·1	23·5	25·7	25·7	25·4	22·9	22·6	21·5	17·9	20·7	20·6	19·4	17·7	19·9	20·9
6 Q	19·5	17·6	18·0	19·7	19·8	19·8	19·9	19·6	18·6	18·6	20·9	23·6	24·8	25·0	24·5	22·8	21·7	21·6	21·6	18·2	19·9	17·2	18·8	19·4	20·5
7	20·8	17·0	18·9	18·8	19·5	19·6	19·5	18·7	17·8	17·8	19·8	22·0	23·9	24·4	23·9	23·4	22·6	22·6	22·2	21·5	20·8	20·6	20·4	20·7	20·7
8	19·1	18·8	18·9	18·2	18·5	18·8	18·8	18·4	17·7	18·5	20·5	22·7	24·6	24·7	24·6	23·9	22·9	22·8	22·6	17·5	18·6	18·2	19·4	19·4	20·3
9	18·6	17·7	19·7	18·8	18·7	18·8	18·6	18·2	17·7	17·8	20·6	22·9	24·8	25·6	27·9	27·8	24·4	22·9	22·5	22·4	21·4	18·6	16·3	18·2	20·9
10	16·8	18·2	17·7	17·2	20·7	19·6	19·6	18·6	17·6	18·4	20·4	23·5	26·7	25·6	25·6	20·5	18·7	21·1	21·6	19·6	15·6	18·6	19·5	20·6	20·1
11	21·6	21·1	19·6	19·0	19·1	19·5	19·5	18·4	17·2	17·6	20·1	21·7	23·6	24·5	24·0	22·5	20·8	20·8	20·4	18·8	16·6	18·1	19·6	18·6	20·1
12	19·9	17·8	17·2	19·4	19·7	19·6	19·0	18·3	17·2	17·2	18·7	21·7	23·8	24·9	24·6	23·8	22·5	22·3	21·6	21·4	18·6	17·9	18·7	21·4	20·3
13 Q	20·6	20·9	19·8	19·7	19·7	19·6	19·3	18·3	17·2	17·2	19·1	21·7	23·8	25·9	25·5	23·8	22·4	21·6	21·5	20·7	20·3	18·9	19·4	19·5	20·7
14 Q	19·7	19·7	19·9	20·1	20·2	19·7	19·6	18·8	17·7	17·7	19·6	21·8	24·7	25·6	24·6	23·4	21·6	21·4	21·2	20·9	20·8	20·8	18·7	17·2	20·6
15 D	18·6	18·1	17·8	17·9	20·6	19·9	18·5	17·8	17·8	23·5	25·6	26·5	30·6	35·4	30·6	24·9	31·8	21·6	19·8	19·6	16·6	15·0	8·4	11·6	21·2
16 D	10·8	19·6	21·2	23·6	21·5	22·6	26·8	25·7	18·6	19·2	22·1	23·6	24·7	24·7	25·8	21·4	18·8	18·8	21·4	20·6	20·1	19·6	19·4	19·6	21·3
17	20·6	18·8	16·6	18·9	19·5	19·2	19·6	19·4	19·6	20·1	20·6	22·8	25·4	26·7	23·5	23·6	18·9	15·4	17·8	17·7	18·5	13·5	15·9	16·6	19·6
18	19·4	19·8	20·3	19·6	19·6	19·4	18·8	18·2	17·6	17·7	19·6	21·5	23·6	24·1	23·7	22·5	21·4	17·6	20·3	20·2	18·9	18·4	16·7	16·7	19·8
19	19·4	19·6	20·1	20·2	20·3	22·7	22·7	20·2	18·8	18·4	19·8	23·2	25·5	24·7	24·5	23·4	22·9	21·6	20·6	19·9	19·6	18·9	18·1	18·6	21·0
20 D	19·2	19·9	19·5	19·5	19·9	19·8	19·5	18·7	18·7	19·3	20·4	23·6	25·7	27·6	25·6	27·5	24·6	20·7	16·9	13·8	10·7	-0·6	2·6	1·7	18·1
21 D	6·6	-5·4	6·7	10·1	22·6	29·1	28·6	25·6	22·5	21·6	23·6	23·9	25·3	22·9	23·5	21·8	21·4	21·6	19·9	17·8	18·7	18·5	19·5	19·5	19·4
22	19·5	19·5	19·7	19·7	20·1	19·9	19·5	18·3	16·8	16·8	18·6	21·2	23·8	24·2	24·5	24·6	23·7	22·2	20·8	15·5	14·8	14·6	18·6	17·9	19·8
23 D	17·4	20·6	21·7	23·7	20·7	19·8	18·9	18·6	19·2	23·0	24·7	26·7	26·8	25·8	26·9	23·0	21·3	18·7	21·2	12·6	13·3	15·6	18·7	17·2	20·7
24	18·2	19·7	20·4	21·7	20·1	20·0	19·3	19·8	18·6	19·7	21·7	22·5	26·3	23·5	23·1	21·7	20·7	18·7	16·8	16·3	14·5	14·5	12·7	17·0	19·5
25	18·0	19·7	20·3	20·5	19·7	19·7	20·0	19·9	19·7	17·8	21·8	23·6	25·7	26·9	25·5	19·8	20·5	19·7	19·2	17·8	16·7	17·7	18·5	18·7	20·3
26 Q	19·8	19·8	19·0	18·6	18·8	19·0	18·0	17·3	16·5	16·7	18·2	21·7	23·4	23·1	21·6	20·4	19·7	19·7	19·5	18·7	17·7	18·4	18·7	19·4	19·3
27	19·5	19·5	19·8	20·6	19·0	18·7	18·9	19·8	20·4	19·7	23·4	25·9	24·5	27·0	29·2	25·0	21·7	20·7	19·3	18·0	16·0	14·5	15·9	18·7	20·7
28 Q	20·5	20·2	19·5	19·7	20·7	19·6	18·3	17·2	16·7	17·8	18·5	20·7	22·7	23·1	21·9	20·5	19·6	19·5	19·0	18·9	18·7	18·7	18·9	19·3	19·6
29	19·5	19·7	20·2	19·8	19·7	19·1	18·9	18·6	17·5	17·4	19·7	22·0	23·6	23·8	22·7	21·3	20·6	20·5	19·9	19·6	19·7	18·8	15·9	9·0	19·5
30	14·7	15·8	16·7	18·7	16·7	17·1	21·6	22·7	19·7	17·5	21·2	24·7	23·2	22·9	23·6	21·7	20·8	19·8	19·6	18·0	16·6	17·6	16·7	16·9	19·4
31	19·0	19·9	19·7	19·5	18·6	18·7	18·8	18·8	18·0	18·2	20·3	22·6	23·6	23·8	24·4	22·9	20·8	19·8	19·2	18·8	18·7	18·6	18·4	18·2	20·0
Mean.	18·6	18·6	18·9	19·3	19·6	19·9	19·9	19·3	18·4	18·9	20·9	23·2	25·0	25·3	24·9	23·2	22·0	20·8	20·3	19·0	18·2	17·5	17·3	17·6	20·3

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.

44,000 γ (·44 C.G.S.unit) +

307. Eskdalemuir. **October, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	863	869	872	873	873	871	871	869	867	868	865	865	871	877	879	881	879	877	877	877	876	870	873	872
2	873	873	873	873	872	872	871	871	867	864	864	864	867	874	880	877	877	877	880	882	880	877	876	873	873
3	864	863	861	861	864	865	867	868	868	865	867	869	868	873	873	873	877	877	875	873	873	873	873	869	869
4	867	865	863	863	864	865	867	867	865	864	864	863	864	865	867	870	873	875	875	873	873	873	872	872	868
5	869	863	864	864	866	866	866	868	868	865	867	863	857	858	864	871	872	873	873	870	868	868	864	854	866
6 Q	852	855	860	863	864	864	864	866	865	867	864	858	853	855	861	864	864	864	865	867	865	865	865	864	862
7	856	856	861	864	864	864	864	867	868	868	864	860	858	858	859	861	867	865	866	866	866	865	865	863	863
8	862	863	863	863	863	862	864	865	865	865	864	860	857	857	859	862	665	865	871	881	879	874	871	868	865
9	864	861	862	862	862	863	864	865	865	864	860	857	855	856	861	874	872	865	865	867	869	869	869	856	864
10	852	856	860	859	854	854	858	862	865	867	866	861	859	862	869	883	888	878	875	873	867	865	865	864	865
11	863	861	862	862	863	863	864	866	870	870	866	863	861	862	865	867	869	867	866	869	870	865	860	858	865
12	854	855	858	860	861	862	863	866	867	867	866	863	862	861	862	864	865	866	866	866	871	867	866	865	863
13 Q	862	862	862	862	862	863	862	863	864	864	862	860	858	858	863	867	867	866	864	865	866	866	863	862	863
14 Q	862	863	863	863	862	862	862	862	862	862	861	858	856	858	860	862	864	863	862	862	863	865	863	864	862
15 D	863	864	860	858	848	848	850	852	859	862	866	872	877	882	911	936	940	970	922	902	891	889	867	843	881
16 D	839	843	837	850	851	845	850	848	860	860	861	868	868	870	878	886	887	885	876	873	873	873	873	871	864
17	855	848	856	860	864	864	865	865	869	872	867	865	864	872	884	879	890	892	890	886	873	863	866	865	870
18	842	847	852	864	866	868	869	869	870	868	866	868	866	866	870	874	873	876	874	873	871	871	870	864	867
19	862	866	867	866	865	864	858	861	864	866	865	865	868	871	875	878	879	879	878	876	875	872	871	871	869
20 D	869	868	869	870	870	868	868	869	871	870	868	868	872	875	872	885	905	941	930	919	893	889	830	828	878
21 D	814	779	771	783	811	824	839	855	865	876	881	881	883	887	886	889	885	882	880	882	881	878	877	876	857
22	875	874	874	873	873	873	873	876	877	876	873	870	870	877	882	887	896	898	905	908	870	870	869	862	878
23 D	858	853	851	856	855	861	865	868	869	870	872	875	874	874	883	901	904	899	887	887	877	875	860	861	872
24	867	870	870	870	865	866	866	867	871	875	875	872	875	879	879	871	874	874	869	868	843	850	850	850	867
25	852	852	851	851	849	851	847	851	855	863	863	865	869	875	884	892	881	875	872	873	874	872	869	867	865
26 Q	864	865	866	866	866	865	865	868	870	869	873	874	874	874	877	878	877	875	874	874	874	874	874	872	871
27	872	871	870	867	867	867	867	868	869	868	868	871	873	879	888	892	884	883	881	883	887	889	884	881	876
28 Q	869	866	871	873	872	870	873	875	878	875	875	874	873	875	876	879	879	878	876	876	877	878	878	879	875
29	877	877	876	875	874	872	872	873	875	874	874	873	873	873	876	878	877	875	874	877	877	875	868	874	875
30	874	873	874	871	870	870	867	862	867	872	868	869	868	874	884	895	891	887	883	884	881	879	876	876	876
31	873	869	870	873	875	876	874	877	877	877	880	883	886	889	890	888	886	885	883	883	882	882	883	882	880
Mean.	861	859	860	862	862	863	864	865	868	868	868	867	867	870	875	879	881	882	879	878	874	872	868	865	869

308. Eskdalemuir. DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE. **October, 1932.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 16,000 γ + h.	m.	γ	Minimum 16,000 γ + γ	h.	m.	Range γ	Declination. Maximum 14° + h.	m.	′	Minimum 14° + ′	h.	m.	Range ′	Vertical Force. Maximum 44,000 γ + h.	m.	γ	Minimum 44,000 γ + γ	h.	m.	Range γ	$\frac{HR_H+VR_V}{10,000\,\gamma^2}$ §	Magnetic Character of Day. (0 - 2)	Temperature in Magnet House. 200 + °A
1	22	12	604	544	10	18	60	12	21	27·7	17·9	7	42	9·8	16	30	881	860	1	40	21	194	1	86·1
2	23	48	598	510	10	43	88	12	45	29·5	17·1	19	48	12·4	19	20	882	862	11	1	20	236	1	86·1
3	23	29	601	525	13	21	76	12	43	26·7	15·3	1	33	11·4	16	15	878	856	0	55	22	227	1	86·1
4	15	39	603	545	12	48	58	14	24	26·6	15·6	23	15	11·0	17	50	876	861	3	0	15	163	1	86·1
5	23	27	598	538	11	6	60	12	54	27·6	15·6	18	35	12·0	17	30	873	851	23	35	22	199	1	86·1
6 Q	19	57	591	542	11	10	49	13	40	25·7	16·5	21	50	9·2	19	37	868	851	0	50	17	157	1	86·1
7	0	34	615	545	11	18	70	13	8	24·8	15·3	1	16	9·5	9	10	868	848	0	56	20	206	1	86·1
8	23	0	587	545	19	58	42	12	58	25·5	16·4	19	28	9·1	20	9	882	856	13	0	26	187	0	85·9
9	23	13	602	531	11	9	71	15	14	30·6	11·0	22	53	19·6	15	50	881	848	24	0	33	266	1	85·9
10	20	42	610	504	16	38	106	12	17	28·5	12·7	20	40	15·8	16	0	891	848	0	1	43	365	1	85·9
11	22	8	609	539	10	55	70	13	7	24·8	12·9	20	28	11·9	20	0	871	859	1	15	12	170	1	85·9
12	0	27	592	551	11	42	41	13	48	25·5	15·7	2	20	9·8	20	38	874	850	0	45	24	176	1	85·9
13 Q	22	30	588	540	12	4	48	13	59	26·6	16·5	8	57	10·1	16	17	867	858	12	58	9	120	0	85·9
14 Q	22	19	595	544	10	50	51	13	20	26·2	16·5	23	30	9·7	22	12	865	856	11	55	9	121	1	85·9
15 D	4	38	604	474	10	31	130	16	59	38·1	1·6	22	4	36·5	17	25	998	834	23	50	164	952	2	85·8
16 D	5	4	590	502	10	44	88	6	50	28·8	9·4	0	38	19·4	16	52	890	835	2	14	55	393	2	85·8
17	0	20	602	520	13	41	82	13	22	28·6	7·5	17	11	21·1	17	10	896	844	1	25	52	369	1	85·8
18	0	4	595	533	11	0	62	0	11	24·7	13·6	0	53	11·1	17	50	878	839	0	32	39	274	1	85·9
19	7	28	583	520	12	52	63	12	30	25·9	7·5	22	35	18·4	15	30	879	857	6	26	22	204	0	85·8
20 D	6	32	578	424	21	16	154	13	50	28·9	-12·4	21	17	41·3	17	58	951	821	22	40	130	844	2	85·8
21 D	5	12	564	473	9	30	91	5	53	30·6	-8·4	1	40	39·0	15	20	890	766	1	52	124	708	2	85·8
22	20	8	624	516	19	36	108	13	38	25·6	7·6	19	50	18·0	19	7	913	860	23	20	53	417	1	85·5
23 D	19	40	609	508	15	3	101	14	36	28·0	4·7	17	1	23·3	17	1	917	848	2	10	69	478	1	85·5
24	20	6	609	490	13	0	119	12	25	27·9	10·9	22	10	17·0	15	45	880	837	20	36	43	391	1	85·6
25	6	44	572	517	11	40	55	13	26	27·6	15·9	20	17	11·7	15	38	895	866	6	40	29	221	1	85·6
26 Q	6	10	567	530	12	26	37	13	24	23·9	15·3	20	4	8·6	16	0	878	862	1	9	16	124	0	85·6
27	4	41	576	505	14	50	71	14	20	29·8	12·7	21	3	17·1	15	5	895	865	10	27	30	253	1	85·6
28 Q	0	20	568	536	10	40	32	13	10	23·5	15·9	8	41	7·6	16	0	879	866	1	10	13	102	0	85·6
29	21	53	599	547	11	39	52	13	40	23·9	7·5	23	23	16·4	0	4	879	867	22	25	12	149	1	85·5
30	20	52	584	514	11	0	70	11	22	25·8	10·8	0	1	15·0	15	30	895	860	7	10	35	273	1	85·2
31	23	40	582	537	11	51	45	14	30	24·7	16·7	0	10	8·0	14	0	890	865	1	40	25	178	0	85·3
Mean.	--	--	594	521	--	--	73	--	--	27·2	11·3	--	--	15·8	--	--	889	860	--	--	39	294	0·94	85·8
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see p.175. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334.

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

16,000 γ (·16 C.G.S.unit) +

309. Eskdalemuir. **November, 1932.**

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	568	575	565	559	573	545	532	539	554	555	552	555	569	555	552	552	563	559	564	567	562	563	558	558	558
2	559	564	554	550	551	562	559	565	556	551	538	522	527	550	554	556	560	564	558	563	564	565	565	564	555
3	562	562	562	564	568	564	570	566	552	527	547	550	554	557	556	558	565	567	569	563	563	564	565	562	560
4	564	558	559	563	567	571	564	567	564	553	541	545	553	559	567	567	568	557	552	556	560	553	555	561	559
5	550	550	563	563	559	558	559	561	556	547	541	544	550	558	560	563	553	569	563	568	568	562	559	568	558
6 Q	556	561	563	559	563	568	571	559	559	552	545	545	553	559	564	568	572	569	568	568	568	569	568	568	562
7	579	569	567	567	570	571	572	569	563	554	549	549	557	562	568	569	558	563	555	564	564	565	568	568	564
8	566	566	564	566	566	569	570	568	560	551	546	546	552	553	562	563	567	567	569	569	571	575	571	570	564
9 Q	572	570	567	567	571	571	572	570	563	557	553	553	558	563	568	573	576	575	570	571	571	571	571	572	568
10 Q	570	569	571	571	576	580	579	577	567	557	547	548	557	562	568	572	573	575	573	572	573	572	577	571	569
11	573	573	571	571	575	576	576	574	568	558	552	554	562	568	576	576	575	579	571	563	567	567	568	567	569
12	566	572	572	575	576	579	572	572	567	553	550	552	553	554	559	550	556	562	565	558	561	561	562	564	563
13	567	566	567	568	576	572	579	575	570	562	556	547	545	556	557	552	560	568	567	567	562	566	560	565	564
14 D	566	568	571	569	573	574	570	568	539	545	550	556	524	543	544	536	544	555	567	567	567	572	593	549	559
15 D	553	557	561	565	565	557	571	567	561	551	543	543	546	542	562	566	566	561	574	575	570	565	562	566	560
16 D	571	561	556	570	590	553	667	570	565	556	516	533	548	538	535	547	534	525	548	543	561	561	528	550	551
17 D	553	556	556	555	557	567	565	561	555	547	532	534	538	543	548	561	552	556	551	571	574	574	561	556	555
18	556	556	557	559	564	562	566	566	560	552	553	553	554	551	552	544	557	559	555	556	573	544	556	562	557
19	562	565	562	565	571	571	566	568	557	544	548	549	551	546	548	548	558	561	555	552	558	556	558	565	558
20	570	560	560	560	566	565	562	566	560	556	555	558	558	555	560	550	561	555	560	566	565	564	570	573	561
21	565	564	565	565	564	566	569	570	561	560	560	560	558	557	557	555	560	565	569	566	564	569	564	564	563
22 Q	563	564	564	564	565	568	573	571	565	564	558	552	552	555	557	559	564	565	569	566	568	569	566	566	564
23	565	565	569	569	569	574	573	571	566	560	560	560	551	551	561	564	565	569	569	569	568	569	570	570	566
24 Q	571	572	573	577	574	574	577	573	569	565	564	563	565	566	569	569	570	573	573	573	572	572	570	570	571
25	569	570	573	573	577	587	586	585	582	579	577	572	571	575	578	576	555	577	583	579	575	569	569	571	575
26	560	563	566	568	568	572	570	565	568	564	563	555	557	559	560	568	574	574	574	574	574	573	573	572	567
27	570	569	571	573	573	578	573	573	567	564	559	559	554	562	564	565	565	565	564	567	569	567	566	567	567
28	572	568	568	572	578	578	582	582	574	569	563	559	547	546	563	564	560	560	572	574	573	573	572	572	568
29	565	564	582	572	573	573	578	577	576	569	559	559	565	568	559	536	547	556	558	565	568	572	566	578	566
30	567	563	558	567	569	571	568	568	566	562	558	558	566	567	568	571	573	572	568	571	572	570	568	571	567
Mean.	565	565	565	566	570	569	570	569	563	556	551	551	553	556	560	560	562	564	565	566	567	566	565	566	563

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MAGNETIC DECLINATION (WEST).

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

14°+

310. Eskdalemuir. **November, 1932.**

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

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

Mean values for periods of sixty minutes ending at the Hours of Greenwich Mean Time.
44,000 γ (·44 C.G.S.unit) +

311. Eskdalemuir. November, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	877	874	874	871	850	848	851	849	852	858	858	862	867	873	880	883	883	884	884	884	888	886	886	884	871
2	872	866	869	872	877	877	879	882	884	885	884	885	884	882	884	886	886	885	887	886	884	884	884	883	881
3	883	883	882	882	881	881	879	882	884	886	881	881	880	883	886	889	886	885	885	886	886	886	884	884	884
4	883	883	883	882	879	874	879	879	881	882	880	880	879	881	884	885	885	891	894	897	899	896	883	877	884
5	882	883	877	873	878	881	884	885	885	886	885	882	881	883	888	890	894	893	891	891	892	891	890	883	885
6 Q	886	883	883	884	887	887	887	889	890	891	890	889	889	890	891	890	888	889	889	889	891	890	888	887	888
7	884	881	882	884	885	885	887	889	890	892	890	889	890	890	892	893	898	900	896	894	894	894	892	891	890
8	890	889	889	888	888	888	888	890	893	892	893	888	890	891	891	891	891	891	891	891	891	888	888	887	890
9 Q	884	883	885	886	886	886	887	889	892	892	891	890	892	892	892	890	889	889	889	890	891	892	890	890	889
10 Q	890	889	887	887	887	887	887	888	893	895	894	893	891	891	894	895	894	893	892	892	893	892	891	891	891
11	888	889	889	889	889	888	889	889	892	892	889	887	887	888	891	890	890	890	891	894	893	893	893	893	890
12	893	890	890	890	890	888	888	888	891	893	891	891	894	898	903	904	906	907	904	905	902	898	897	896	896
13	895	895	892	887	883	887	886	888	890	892	893	894	896	900	903	904	904	904	902	901	902	904	899	896	896
14 D	895	895	895	894	894	893	890	888	896	895	896	895	899	910	911	917	917	917	907	904	903	900	888	883	899
15 D	887	891	894	895	895	894	891	892	893	894	894	896	898	901	901	900	901	901	902	897	897	897	898	895	896
16 D	894	894	888	862	861	864	855	861	870	878	887	893	898	909	924	940	938	944	928	916	907	897	887	867	895
17 D	883	895	897	899	898	897	897	897	899	902	905	907	908	921	929	917	914	911	912	908	900	892	893	896	903
18	896	896	899	898	897	900	900	900	900	900	899	899	899	902	908	912	914	910	912	912	908	893	897	898	902
19	899	897	893	896	897	898	900	898	900	899	900	901	903	908	911	916	915	913	913	913	911	909	905	897	904
20	893	896	898	898	900	901	900	898	900	900	900	902	903	903	906	912	909	909	908	906	905	904	903	896	902
21	895	896	897	898	898	898	899	899	898	896	896	898	901	904	905	907	907	905	904	904	904	904	902	901	901
22 Q	900	900	899	900	901	900	900	900	900	901	901	902	902	902	905	905	905	905	904	904	903	901	901	900	902
23	899	900	898	898	898	898	898	898	900	901	898	898	900	898	898	901	902	902	902	902	902	902	902	902	900
24 Q	901	900	899	899	899	899	899	899	899	899	899	899	901	902	902	902	901	900	901	902	902	902	902	901	900
25	901	900	900	899	898	897	896	896	896	897	897	898	897	898	900	901	907	905	904	903	904	905	906	906	900
26	902	901	901	900	900	899	900	900	899	901	902	904	901	905	906	904	904	903	903	903	902	902	902	902	902
27	902	902	902	901	900	898	899	899	900	901	903	903	905	905	907	907	907	906	906	907	906	906	905	904	903
28	901	902	903	903	901	900	898	897	897	897	901	902	905	907	909	912	914	919	911	909	907	907	905	905	905
29	905	904	899	899	901	901	898	897	897	898	902	904	906	907	913	924	922	919	917	916	912	908	908	901	907
30	902	900	903	902	904	904	903	903	903	902	901	902	903	906	906	910	909	910	910	909	908	908	908	908	905
Mean.	892	892	892	891	890	890	890	890	892	893	893	894	895	898	901	903	903	903	901	901	900	898	896	893	895

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE:
MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

312. Eskdalemuir. November, 1932.

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 16,000 γ +			Horizontal Force. Minimum 16,000 γ +			Horizontal Force. Range	Declination. Maximum 14° +			Declination. Minimum 14° +			Declination. Range	Vertical Force. Maximum 44,000 γ +			Vertical Force. Minimum 44,000 γ +			Vertical Force. Range	$\frac{HR_H+VR_V}{10,000\,\gamma^2}$ §	Magnetic Character of Day. (0 - 2)	Tempature 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	4	35	588	499	6	48	89	7	28	32·4	15·5	3	4	16·9	21	0	889	843	4	48	46	346	1	85·2
2	0	1	573	509	11	42	64	12	26	23·6	13·7	2	6	9·9	18	30	889	864	1	42	25	214	1	85·2
3	0	30	576	518	9	33	58	13	41	23·9	16·9	9	43	7·0	15	31	889	878	6	30	11	141	0	85·1
4	4	53	581	540	11	3	41	18	51	22·9	8·9	21	33	14·0	19	50	900	872	5	20	28	189	1	85·1
5	17	11	579	540	10	41	39	13	0	24·9	15·6	3	40	9·3	16	33	895	870	3	5	25	172	1	85·1
6 Q	21	21	576	540	11	18	36	12	56	22·5	15·6	21	17	6·9	14	40	891	883	2	25	8	91	0	85·0
7	0	32	591	546	11	10	45	12	52	24·5	10·0	17	14	14·5	17	1	902	881	0	48	21	165	1	85·0
8	21	0	591	544	11	43	47	12	40	23·9	14·5	20	53	9·4	8	52	894	885	21	38	9	123	0	84·9
9 Q	16	53	578	552	11	30	26	12	48	22·7	15·9	9	9	6·8	9	5	893	882	1	53	11	92	0	84·9
10 Q	5	47	584	545	10	32	39	13	13	23·8	15·7	20	10	8·1	9	10	895	886	2	28	9	105	0	84·9
11	17	28	583	548	10	38	35	12	32	22·8	16·5	19	25	6·3	19	40	896	886	12	52	10	98	0	84·9
12	5	52	584	543	10	20	41	16	29	26·8	11·8	20	15	15·0	17	12	909	887	5	52	22	162	1	84·8
13	6	16	585	539	12	6	46	14	58	25·6	9·7	21	38	15·9	16	58	904	881	4	25	23	175	1	84·8
14 D	22	38	603	507	12	54	96	12	21	25·8	4·7	23	26	21·1	15	49	919	877	22	56	42	352	1	84·8
15 D	23	56	584	538	13	23	46	5	36	24·2	8·8	18	8	15·4	18	16	907	884	0	12	23	175	1	84·7
16 D	4	23	605	500	10	38	105	6	12	32·9	-2·2	18	9	35·1	17	27	950	852	6	26	98	614	2	84·7
17 D	20	46	614	506	12	42	108	12	30	25·7	13·2	20	41	12·5	14	30	933	868	0	1	65	471	1	84·6
18	20	49	620	522	15	30	98	13	14	23·7	8·7	20	38	15·0	16	4	918	893	21	34	25	275	1	84·6
19	5	5	575	542	14	9	33	12	15	24·7	15·2	21	23	9·5	16	0	917	891	2	30	26	167	1	84·6
20	23	0	595	533	15	18	62	12	33	22·7	14·7	23	20	8·0	15	30	914	891	0	10	23	202	1	84·6
21	21	40	577	549	15	55	28	11	30	21·8	14·7	22	0	7·1	16	0	908	896	{0 9	31 25	12	100	0	84·6
22 Q	6	58	575	550	11	46	25	13	0	21·6	17·6	9	40	4·0	15	0	916	909	2	50	7	73	0	84·6
23	6	15	574	542	13	1	32	12	40	22·5	17·6	4	4	4·9	16	30	903	897	3	48	6	80	0	84·6
24 Q	6	38	578	560	11	31	18	12	36	21·8	17·8	9	1	4·0	14	0	903	898	3	40	5	52	0	84·5
25	18	38	596	536	15	58	60	16	32	24·9	12·9	24	0	12·0	16	17	908	895	6	10	13	158	1	84·5
26	17	58	577	546	11	56	31	13	37	22·8	12·9	0	1	9·9	11	56	906	898	8	32	8	87	0	84·5
27	5	30	584	551	12	31	33	4	22	22·6	16·6	21	0	6·0	16	54	907	896	5	29	11	109	1	84·3
28	7	20	588	536	16	54	52	13	33	25·1	17·4	17	28	7·7	17	20	923	895	7	20	28	207	1	84·4
29	2	18	591	523	14	51	68	14	46	25·1	15·3	2	58	9·8	16	0	925	896	7	50	29	243	1	84·4
30	16	44	576	550	2	8	26	2	45	22·9	16·5	1	40	6·4	18	15	911	898	10	12	13	101	0	84·3
Mean.	--	--	586	535	--	--	51	--	--	24·4	13·4	--	--	10·9	--	--	907	884	--	--	23	185	0·63	84·7
No. of Days Used.	--	--	30	30	--	--	30	--	--	30	30	--	--	30	--	--	30	30	--	--	30	30	30	30

§ For explanation see p.175. 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

313. Eskdalemuir. (H.)

16,000 γ (·16 C.G.S. unit) +

December, 1932.

Hour, G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	567	569	570	570	570	576	577	581	568	559	550	555	563	566	567	569	559	567	553	565	566	569	568	571	566
2	562	562	563	568	568	571	573	568	567	562	558	558	563	568	571	573	576	575	571	549	562	563	567	568	566
3	567	567	563	572	570	568	573	572	569	567	558	558	565	568	572	573	576	576	574	568	566	561	565	560	568
4	563	561	566	553	566	571	574	573	570	566	558	563	563	566	569	570	571	575	576	573	575	574	568	565	568
5 Q	575	567	570	572	570	574	572	575	571	567	563	564	566	567	567	571	572	575	575	573	570	565	566	556	569
6	562	570	569	570	574	579	579	574	570	566	564	566	570	574	571	574	577	579	576	573	571	567	575	566	571
7 Q	561	564	570	569	566	569	571	574	570	565	561	565	569	574	575	576	577	577	576	575	573	572	570	568	570
8 D	569	568	571	575	572	571	584	591	577	578	573	559	564	572	580	582	587	582	583	578	582	564	547	555	573
9	559	573	555	555	564	573	560	556	532	542	554	540	539	550	550	540	553	564	561	565	560	546	560	560	555
10	577	555	563	563	565	567	568	568	567	563	559	557	554	531	541	553	563	560	554	553	554	554	558	565	559
11	564	564	564	567	568	569	572	574	571	567	563	558	552	563	564	567	568	568	569	567	564	564	562	570	566
12 Q	571	567	569	572	580	580	577	576	572	558	563	562	562	562	563	566	567	568	567	566	567	567	567	566	568
13	566	567	571	575	576	577	577	582	576	575	561	559	562	560	564	554	554	544	545	557	557	552	544	570	564
14 D	553	561	564	572	574	575	576	581	581	580	570	557	525	551	561	571	530	515	500	506	521	492	501	524	548
15 D	525	548	561	561	561	562	558	557	550	543	543	544	552	548	539	552	549	535	533	521	473	492	479	489	536
16 D	545	524	545	551	551	563	570	565	561	556	546	545	547	556	561	565	533	531	546	542	534	542	540	550	549
17 D	555	562	561	565	562	566	569	561	552	543	541	529	542	543	538	542	523	542	544	547	552	556	555	569	551
18	554	556	555	559	573	559	563	560	551	549	546	541	541	536	550	559	560	561	555	556	558	561	559	560	555
19	559	561	560	568	568	571	572	573	564	560	551	555	554	544	541	549	555	564	567	561	559	554	563	564	560
20	568	564	562	561	563	565	572	567	564	554	555	558	558	558	562	564	567	567	568	567	568	568	567	564	564
21 Q	564	567	565	563	569	572	572	572	567	562	562	559	559	555	559	566	567	570	572	569	567	567	567	566	566
22	563	564	567	566	568	568	571	570	566	564	561	561	563	564	563	562	560	557	563	563	564	567	568	567	565
23 Q	567	566	567	566	567	571	571	571	571	569	561	560	560	563	565	565	566	566	564	561	559	560	562	564	565
24	575	566	563	566	571	573	575	574	574	572	565	568	570	569	568	567	567	567	567	570	570	569	566	565	569
25	566	567	567	566	570	573	580	582	581	574	565	564	566	572	563	573	566	563	558	565	552	548	558	561	567
26	553	555	556	565	570	567	571	571	565	562	560	560	562	565	560	565	565	566	557	558	548	554	558	560	561
27	560	558	571	548	557	559	559	558	557	558	548	551	547	558	557	556	559	556	557	569	550	556	557	556	557
28	557	554	552	551	553	559	564	563	560	560	556	556	552	536	532	564	569	569	550	560	560	578	543	546	556
29	555	556	558	556	561	562	565	564	560	560	560	561	560	559	560	561	564	562	563	561	556	561	557	560	560
30	563	566	561	566	567	570	572	562	570	565	562	557	552	552	553	559	564	566	553	541	538	547	555	553	559
31	557	553	557	561	564	567	577	557	572	566	563	556	554	562	563	561	568	561	554	571	553	543	553	583	562
Mean.	561	561	563	564	567	569	571	570	566	562	558	556	556	558	560	563	562	562	560	560	556	556	555	559	562

558 at 0 - 1h. Jan.1. 1933.

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MAGNETIC DECLINATION (WEST).

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

314. Eskdalemuir. (D.)

14°+

December, 1932.

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

13·7 at 0 - 1h. Jan.1. 1933.

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for computation of tables 323-334.

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, 1932.

Hour. G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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	908	907	907	906	906	905	904	904	906	904	905	904	905	907	908	910	914	915	918	914	911	910	908	907	908
2	911	909	909	907	907	907	908	908	908	908	908	908	906	905	908	909	908	908	910	919	919	914	909	908	909
3	908	909	910	904	905	906	906	906	906	905	905	905	906	909	909	910	909	909	909	909	913	914	909	909	908
4	905	901	898	902	906	907	910	910	910	910	907	908	910	910	912	913	914	913	913	913	913	911	912	912	909
5 Q	907	907	907	908	908	908	908	909	909	909	908	909	911	911	911	911	911	911	911	911	911	913	914	912	910
6	910	904	906	907	908	908	908	909	909	908	906	905	907	908	909	911	910	911	911	912	912	912	912	909	909
7 Q	908	908	907	908	909	910	910	910	911	910	910	910	910	910	912	912	910	910	910	910	910	911	912	912	910
8 D	911	911	909	908	907	905	901	900	902	903	906	908	910	906	907	910	908	909	910	910	910	913	921	914	908
9	900	896	895	898	896	897	901	906	912	915	915	916	918	921	923	930	926	921	920	920	917	917	915	913	912
10	906	903	900	903	907	907	907	908	910	908	908	910	914	920	922	922	920	919	918	916	916	916	916	912	912
11	911	910	909	909	909	909	908	908	909	909	906	906	909	910	911	912	912	911	909	910	913	913	910	906	910
12 Q	905	906	906	905	902	902	902	902	902	903	904	905	905	907	910	911	911	911	910	910	910	910	910	910	907
13	910	910	909	907	906	906	905	904	906	907	907	908	906	908	911	916	920	937	933	927	925	926	925	903	913
14 D	908	908	908	908	910	908	907	906	905	905	908	908	920	920	920	922	945	1008	1007	1007	969	927	912	901	927
15 D	867	855	844	842	844	859	879	892	900	906	908	914	917	919	929	928	929	933	947	977	962	949	937	928	907
16 D	906	857	883	889	891	894	895	898	903	907	910	911	913	912	917	920	930	942	941	944	952	936	925	919	912
17 D	915	894	901	903	903	903	903	904	907	908	911	913	919	926	932	942	948	941	935	940	921	918	918	904	917
18	908	908	907	897	899	903	907	908	910	909	912	915	917	924	930	926	922	919	920	919	917	915	914	913	913
19	912	912	912	908	911	911	911	910	912	911	911	909	911	918	923	923	926	919	916	917	922	916	914	913	915
20	910	907	905	909	910	910	910	911	911	911	912	912	912	913	915	915	915	915	915	915	914	913	913	912	912
21 Q	911	910	908	909	909	909	910	910	912	910	910	910	911	913	914	915	914	914	914	914	914	914	913	912	912
22	912	911	910	910	910	910	911	911	911	910	910	910	910	911	912	914	914	916	916	915	917	915	914	912	912
23 Q	911	911	911	910	909	910	910	910	908	907	907	907	907	909	911	911	911	911	912	913	915	915	914	912	911
24	904	903	904	904	906	906	906	907	907	907	908	908	909	908	911	912	912	912	913	913	913	912	912	911	909
25	910	908	908	908	908	908	905	905	904	905	905	908	909	908	913	912	912	913	916	919	923	924	916	915	911
26	909	902	902	902	905	905	906	906	909	909	909	910	912	913	914	913	914	914	918	917	925	924	921	920	912
27	916	909	885	895	901	904	905	907	909	906	911	911	914	917	918	918	918	917	917	915	918	918	918	918	911
28	917	916	915	914	914	913	910	907	907	908	909	910	910	914	921	920	916	915	921	919	918	911	915	915	913
29	915	915	914	914	913	912	911	911	908	907	908	907	908	910	912	913	914	914	913	913	915	915	914	914	912
30	911	911	912	911	909	908	907	907	904	903	903	907	911	911	913	913	916	915	919	925	932	931	928	924	914
31	920	917	915	913	911	912	908	908	905	905	910	912	910	912	913	916	916	916	921	920	924	924	923	909	914
Mean.	908	904	904	904	904	905	906	906	907	908	908	909	911	913	915	917	918	920	921	922	921	918	916	912	912

904 at 0 - 1h. Jan.1. 1933.

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

316. Eskdalemuir. December, 1932.

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 16,000 γ +			Minimum 16,000 γ +			Range	Declination. Maximum 14° +			Minimum 14° +			Range	Vertical Force. Maximum 44,000 γ +			Minimum 44,000 γ +			Range	$HR_H+\bar{V}R_V$ § 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	7	20	584	540	18	31	44	11	48	22·7	12·7	18	53	10·0	18	50	921	903	7	21	18	154	1	84·3
2	17	12	578	540	20	0	38	13	36	21·9	12·8	20	5	9·1	20	3	925	904	13	10	21	157	1	84·3
3	18	12	580	554	11	20	26	3	18	21·5	13·5	20	59	8·0	21	10	916	903	3	40	13	101	1	84·1
4	16 18	56 32	580	547	3	38	33	12	12	23·4	15·7	0	5	7·7	18	20	915	896	2	40	19	140	1	84·1
5 Q	0	20	582	551	23	33	31	12	46	20·9	13·7	22	0	7·2	22	0	915	906	0 10	43 26	9	86	0	84·1
6	22	51	593	556	0	8	37	12	20	22·8	6·7	23	7	16·1	22	10	913	904	0	33	9	101	1	84·1
7 Q	17	37	579	556	0	10	23	12	30	21·6	13·7	0	5	7·9	14 23	30 38	913	906	2	38	7	69	0	84·1
8 D	7	21	600	527	22	14	73	13	0	24·6	7·6	23	32	17·0	22	35	923	898	7	22	25	233	1	84·0
9	0	4	593	523	8	54	70	6	42	24·9	9·5	0	1	15·4	15	17	933	884	1	12	49	336	1	84·0
10	0	43	586	523	13	50	63	14	30	23·8	12·7	20	2	11·1	14	16	923	899	0	57	24	208	1	83·8
11	21	42	577	544	12	10	33	13	48	20·6	8·7	21	36	11·9	21	11	914	906	24	0	8	91	1	83·8
12 Q	4	31	581	557	9	32	24	3	56	21·4	17·2	0	25	4·2	16	0	912	901	6	26	11	85	0	83·7
13	23	21	591	525	17	2	66	16	23	26·2	8·2	21	39	18·0	17	39	941	899	23	50	42	299	1	83·7
14 D	15	38	588	437	21	13	151	17	51	34·2	-5·3	21	20	39·5	17	25	1035	878	24	0	157	956	2	83·7
15 D	1	0	589	444	20	32	145	18	10	23·7	-3·2	0	49	26·9	19	32	986	839	4	10	147	897	2	83·7
16 D	0	55	620	436	1	19	184	18	17	23·6	-1·2	1	26	24·8	20	40	956	841	1	11	115	817	2	83·7
17 D	23	21	600	506	16	12	94	0	58	29·5	-2·3	19	21	31·8	16	12	949	892	1	26	57	412	1	83·6
18	4	22	578	522	13	50	56	3	1	25·6	16·0	21	32	9·6	14	10	931	896	3	40	35	246	1	83·5
19	20	32	581	531	13	52	50	2	50	21·7	4·2	20	28	17·5	16	28	928	908	3	30	20	173	1	83·5
20	6	43	577	549	9	48	28	1	39	23·3	16·6	5	0	6·7	16	0	916	903	2	0	13	104	1	83·4
21 Q	1	54	578	554	13	36	24	13	1	20·7	16·6	2	25	4·1	15	43	916	907	2	0	9	76	0	83·4
22	6	28	572	553	17	43	19	13	12	21·3	12·8	20	0	8·5	20	3	918	909	4	0	9	72	0	83·4
23 Q	23	59	575	557	12	16	18	12	0	21·9	17·1	21	47	4·8	21	2	916	906	10	40	10	75	0	83·4
24	0	40	580	557	10	18	23	13	58	20·8	16·5	19	0	4·3	19	18	913	902	0	50	11	83	0	83·4
25	7	12	589	532	20	56	57	13	39	22·7	10·3	20	30	12·4	21	0	927	904	8	31	23	198	1	83·4
26	7	11	576	533	1	11	43	14	13	23·6	10·7	0	55	12·9	20	32	927	899	1	43	28	197	1	83·4
27	2	20	587	541	11	48	46	11	40	22·5	8·7	2	58	13·8	23	34	919	883	2	29	36	232	1	83·4
28	21	3	598	515	14	34	83	14	27	24·7	7·7	21	48	17·0	18	38	923	906	8	0	17	214	1	83·4
29	21	23	569	550	20	42	19	13	48	22·7	14·7	0	1	8·0	0	1	918	907	11	28	11	86	0	83·5
30	8	46	576	524	20	31	52	15	12	22·9	10·9	23	28	12·0	20	34	934	903	8	48	31	221	1	83·3
31	23	17	599	533	21	23	66	17	22	22·0	7·4	0	34	14·6	19	0	928	904	8 24	31 0	24	218	1	83·5
Mean.	--	--	585	529	--	--	55	--	--	23·3	10·0	--	--	13·3	--	--	929	897	--	--	33	237	0·84	83·7
No. of Days Used.	--	--	31	31	--	--	31	--	--	31	31	--	--	31	--	--	31	31	--	--	31	31	31	31

§ For explanation see p.175. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Table. 323-334.

(Not corrected for the effect of the North Force on the West Magnetograph, or vice versa, or for the effect of the Horizontal Force on the V.F. Balance).

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

NORTH COMPONENT (ALL DAYS).

317. Eskdalemuir. 1932.

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

WEST COMPONENT (ALL DAYS).

318. Eskdalemuir. 1932.

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

VERTICAL COMPONENT (ALL DAYS).

319. Eskdalemuir. 1932.

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.	-5·2	-6·8	-7·0	-6·2	-6·1	-5·9	-5·4	-4·8	-4·3	-4·1	-1·7	-0·9	-0·2	+0·7	+3·8	+8·1	+7·8	+8·1	+8·8	+7·8	+7·1	+5·5	+2·6	-1·7
Feb.	-5·4	-6·7	-7·8	-7·3	-5·7	-5·3	-5·3	-4·5	-3·3	-2·9	-2·6	-2·1	-2·0	-0·3	+4·4	+8·0	+11·1	+10·0	+9·5	+9·4	+6·7	+5·0	-0·1	-2·8
March	-13·9	-13·6	-15·9	-13·9	-10·1	-8·2	-6·0	-3·7	-2·5	-3·4	-3·8	-4·3	-2·6	+1·5	+5·4	+11·4	+16·9	+20·5	+21·7	+18·9	+12·1	+5·7	-0·7	-5·5
April	-14·5	-17·3	-18·0	-15·6	-12·7	-8·6	-4·6	-1·7	-0·9	-1·9	-2·6	-4·2	-3·5	-0·1	+7·1	+12·5	+16·3	+20·0	+21·3	+19·0	+14·3	+7·3	-2·1	-9·5
May	-9·7	-16·1	-15·1	-14·8	-14·0	-11·8	-6·4	-2·0	-0·5	-2·7	-3·9	-5·3	-3·8	+0·9	+6·6	+11·0	+15·2	+16·4	+17·6	+19·1	+15·1	+8·7	-0·3	-5·2
June	-2·1	-3·4	-3·1	-2·1	-0·6	+0·8	+0·1	-0·9	-2·9	-6·2	-8·7	-11·2	-9·5	-5·7	-1·7	+2·4	+6·1	+8·0	+9·3	+10·1	+9·1	+6·5	+4·4	+1·3
July	-1·3	-1·7	-2·0	-1·5	-0·5	-0·2	-0·5	-0·7	-1·2	-3·0	-6·3	-10·1	-10·7	-7·4	-3·2	+1·9	+6·8	+8·4	+9·2	+9·1	+7·6	+5·4	+1·8	+0·1
Aug.	-6·8	-6·8	-10·7	-6·8	-3·6	-2·4	-1·3	-0·6	-1·2	-2·7	-6·1	-9·2	-8·7	-4·7	+2·4	+8·5	+14·0	+15·7	+14·9	+10·8	+6·6	+4·3	-1·2	-4·4
Sept.	-6·4	-8·6	-8·7	-8·3	-7·5	-5·6	-4·3	-3·2	-2·9	-4·1	-5·2	-5·9	-4·5	0·0	+7·1	+13·1	+16·2	+14·3	+11·8	+10·1	+6·7	+3·2	-1·9	-5·4
Oct.	-7·8	-9·4	-8·7	-7·2	-6·5	-6·0	-5·3	-3·4	-1·5	-1·0	-1·3	-2·0	-2·2	+0·7	+5·7	+10·3	+11·8	+12·6	+9·3	+8·8	+4·6	+3·5	-1·1	-3·7
Nov.	-2.9	-3.0	-3.4	-4.4	-5.0	-5.2	-5.4	-4.8	-3.2	-2.0	-2.1	-1.5	-0.4	+2.3	+5.2	+7.2	+7·1	+7·2	+5·7	+4·9	+3·9	+2·0	+0·1	-2.3
Dec.	-3.0	-7·6	-7·8	-7·8	-7·0	-6·4	-5·7	-5·1	-4·0	-4·1	-3·2	-2·4	-0·6	+1·0	+3·7	+4·9	+6·1	+8·4	+9·2	+10·4	+9·5	+6·4	+4·4	+0·7
Year	-6·5	-8·9	-9·0	-8·0	-6·6	-6·4	-4·2	-2·9	-2·4	-3·2	-4·0	-4·9	-4·1	-0·9	+3·9	+8·3	+11·3	+12·5	+12·4	+11·5	+8·6	+5·3	+0·5	-3·2
Winter	-4·1	-6·0	-6·5	-6·4	-5·9	-5·7	-5·5	-4·8	-3·7	-3·3	-2·4	-1·7	-0·8	+0·9	+4·3	+7·1	+8·0	+8·4	+8·3	+8·1	+6·8	+4·7	+1·7	-1·5
Equinox	-10·7	-13·7	-12·8	-11·3	-9·2	-7·1	-5·1	-3·0	-1·9	-2·6	-3·2	-4·1	-3·2	+0·5	+6·3	+11·8	+15·3	+16·9	+16·0	+14·2	+9·4	+4·9	-1·5	-6·0
Summer	-4·7	-7·0	-7·7	-6·3	-4·7	-3·4	-2·0	-1·1	-1·5	-3·7	-6·3	-8·9	-8·2	-4·2	+1·0	+5·9	+10·5	+12·1	+12·7	+12·3	+9·6	+6·2	+1·2	-2·1

† See page 21.

(ALL DAYS).

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

DECLINATION (measured positive towards the West) (ALL DAYS).

320. Eskdalemuir. 1932.

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

INCLINATION (ALL DAYS).

321. Eskdalemuir. 1932.

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

HORIZONTAL FORCE (ALL DAYS).

322. Eskdalemuir. 1932.

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

† See page 21.

INTERNATIONAL QUIET DAYS.

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

NORTH COMPONENT. (QUIET DAYS)

323. Eskdalemuir: 1932.

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.	-1·6	-1·3	-2·3	-1·1	+1·3	+3·5	+6·4	+5·6	+6·6	+2·0	-2.4	-4·2	-5·0	-4·6	-1·8	-1·7	-0·7	-0·3	+2·5	-0·5	0·0	-0·1	+0·4	-0·4
Feb.	+2·2	+1·6	-0·9	+2·5	+4·2	+4·7	+6·6	+6·6	+4·2	-1·9	-10·0	-12·1	-13·6	-11·3	-6·0	-0·4	+1·9	+3·6	+2·5	+3·8	+2·7	+2·0	+3·5	+1·9
March	+5·2	+1·7	+2·1	+4·0	+4·6	+7·4	+8·9	+8·2	+1·4	-7·0	-14·2	-17·3	-14·3	-12·8	-7·0	-2·3	+1·4	+0·4	+4·5	+2·7	+4·8	+6·2	+6·3	+5·0
April	+4·4	+2·9	+4·2	+2·0	+5·5	+7·2	+7·1	+4·8	-3·3	-14·6	-20·7	-23·1	-19·3	-11·4	-4·7	0·0	+3·8	+9·9	+9·6	+9·2	+7·0	+5·9	+7·0	+6·8
May	+8·2	+7·6	+6·6	+4·4	+4·9	+4·0	-0·1	-6·0	-14·8	-20·3	-23·2	-23·9	-20·9	-16·0	-10·5	-0·6	+8·4	+14·9	+18·5	+17·6	+12·9	+10·7	+8·7	+8·9
June	+4·9	+7·8	+7·6	+8·7	+9·2	+7·6	+0·8	-5·6	-11·9	-18·7	-23·4	-22·4	-17·5	-13·3	-7·3	-2·6	+5·3	+10·0	+15·2	+14·1	+11·0	+8·2	+6·6	+5·4
July	+6·7	+5·5	+6·1	+6·5	+9·9	+8·5	+5·4	+1·5	-7·9	-15·1	-24·5	-29·6	-28·1	-19·6	-4·1	+1·5	+6·1	+9·4	+12·9	+12·7	+11·2	+9·0	+7·8	+7·9
Aug.	+7·2	+6·5	+8·5	+7·2	+5·8	+3·6	+1·3	-4·5	-12·6	-21·3	-25·5	-24·8	-18·4	-12·6	-4·7	-0·3	+6·4	+10·1	+16·1	+15·9	+13·1	+9·4	+7·3	+6·8
Sept.	+8·7	+6·5	+7·0	+6·3	+5·2	+3·4	+0·3	-4·6	-10·1	-17·9	-23·0	-21·7	-16·2	-9·8	-2·2	+1·8	+3·5	+4·4	+8·5	+11·4	+10·3	+8·5	+8·8	+10·8
Oct.	+8·0	+5·5	+4·0	+2·0	+1·6	+6·8	+6·6	+6·3	+0·1	-8·5	-18·3	-21·4	-18·6	-13·7	-8·0	-1·4	+1·5	+3·4	+6·9	+8·2	+7·1	+7·1	+8·6	+6·6
Nov.	+1·2	+1·2	+1·2	+1·6	+3·8	+6·8	+8·9	+5·0	+0·2	-5·4	-13·0	-15·8	-12·8	-8·6	-3·5	-0·1	+3·3	+4·0	+3·3	+3·0	+4·4	+4·9	+3·7	+2·7
Dec.	-0·1	-2·2	-0·2	-0·4	+1·6	+4·8	+4·9	+5·6	+2·7	-3·2	-6·7	-7·5	-6·7	-5·2	-2·8	+0·9	+2·3	+3·8	+3·9	+2·3	+0·9	+0·7	+1·5	-1·0
Year	+4·5	+3·6	+3·7	+3·6	+4·8	+5·7	+4·8	+1·9	-3·8	-11·0	-17·1	-18·6	-15·9	-11·6	-5·2	-0·4	+3·6	+6·1	+8·7	+8·3	+7·1	+6·0	+5·8	+5·1
Winter	+0·5	-0·2	-0·1	+0·6	+2·7	+4·9	+6·7	+5·7	+3·4	-2·2	-8·1	-9·9	-9·5	-7·5	-3·5	-0·4	+1·7	+2·8	+3·1	+2·1	+2·0	+1·8	+2·3	+0·8
Equinox	+6·5	+4·2	+4·1	+3·6	+4·2	+6·3	+5·7	+3·7	-3·0	-11·9	-19·0	-20·9	-17·1	-11·9	-5·5	-0·5	+2·5	+4·5	+7·4	+7·9	+7·3	+6·9	+7·7	+7·3
Summer	+6·7	+6·9	+7·2	+6·6	+7·5	+5·9	+1·8	-3·7	-11·8	-18·9	-24·2	-25·2	-21·2	-15·4	-6·7	-0·5	+6·5	+11·1	+15·7	+15·1	+12·0	+9·4	+7·6	+7·2

WEST COMPONENT (QUIET DAYS).

324. Eskdalemuir. 1932.

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

VERTICAL COMPONENT (QUIET DAYS).

325. Eskdalemuir. 1932.

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.	+1·5	-0·4	-2·3	-3·1	-4·4	-4·9	-5·6	-4·8	-5·1	-5·2	-1·0	-0·7	+2·4	+0·1	+1·7	+3·8	+2·3	+0·3	+1·0	+4·5	+4·4	+4·4	+5·7	+5·4
Feb.	-1·5	-1·0	-1·3	-0·7	-0·3	-0·2	-0·2	0·0	+0·4	-0·5	-2·0	-4·1	-5·5	-3·9	-0·4	+1·8	+2·2	+2·5	+2·9	+2·5	+2·3	+2·2	+3·1	+1·7
March	-0·3	0·0	-0·5	-0·3	+0·4	0·0	-0·1	+0·3	-0·1	-2·1	-5·5	-7·0	-6·2	-4·1	0·0	+3·2	+3·7	+3·3	+2·8	+4·2	+4·2	+2·2	+1·4	+0·5
April	-0·8	+2·9	+2·6	+2·8	-0·4	-0·1	+0·5	+0·8	+0·9	-1·1	-3·1	-7·0	-9·2	-7·5	-3·2	-0·4	+1·8	+4·1	+4·9	+4·4	+3·3	+3·1	+1·3	-0·6
May	-0·8	-1·0	-0·2	+0·9	+1·9	+3·1	+3·2	+2·2	-0·4	-3·7	-6·3	-6·9	-9·4	-7·4	-3·2	+0·5	+3·9	+5·5	+4·8	+4·6	+3·6	+3·1	+1·5	+0·5
June	+1·8	+0·4	-0·1	+0·8	+2·6	+3·5	+2·6	+1·4	-0·1	-4·2	-8·6	-13·9	-13·0	-7·8	-1·5	+2·2	+4·0	+4·1	+3·8	+5·0	+5·3	+4·4	+3·8	+3·5
July	+1·6	+1·3	+0·8	+1·4	+2·3	+3·2	+2·8	+3·1	+1·0	-4·5	-9·3	-10·8	-11·1	-8·3	-5·2	-0·7	+4·3	+6·3	+6·5	+4·9	+3·7	+3·3	+1·9	+1·5
Aug.	+1·5	+1·7	+1·2	+1·6	+2·5	+3·2	+2·2	+1·2	-0·6	-1·0	-6·8	-10·7	-11·4	-7·4	-2·3	+1·1	+4·2	+4·5	+3·5	+3·5	+2·1	+2·5	+2·3	+1·4
Sept.	-0·2	+1·3	+1·5	+2·0	+1·7	+2·4	+3·4	+1·8	-1·9	-4·8	-8·0	-8·3	-7·1	-3·8	+0·4	+2·9	+4·0	+2·5	+1·3	+1·1	+2·0	+2·9	+2·5	+0·4
Oct.	-3·2	-2·9	-1·0	0·0	-0·4	-0·9	-0·6	+0·8	+1·6	+1·1	+0·6	-1·7	-3·9	-2·8	+0·4	+2·9	+3·0	+1·8	+0·7	+1·2	+1·1	+1·7	+0·5	0·0
Nov.	-1·6	-2·8	-3·1	-2·7	-1·9	-2·1	-1·9	-1·0	+0·9	+1·6	+0·9	+0·5	+0·9	+1·3	+2·7	+2·2	+1·2	+0·9	+0·7	+1·1	+1·8	+1·0	0·0	-0·6
Dec.	-0·7	-0·8	-1·5	-1·3	-1·9	-1·6	-1·4	-1·3	-1·2	-1·8	-1·8	-1·5	-0·9	+0·2	+1·7	+2·1	+1·5	+1·4	+1·4	+1·5	+1·8	+2·4	+2·4	+1·3
Year	-0·2	-0·1	-0·3	+0·1	+0·2	+0·5	+0·4	+0·4	-0·4	-2·2	-4·2	-6·0	-6·2	-4·3	-0·7	+1·8	+3·0	+3·1	+2·9	+3·2	+3·0	+2·8	+2·2	+1·3
Winter	-0·6	-1·3	-2·1	-1·9	-2·1	-2·2	-2·3	-1·8	-1·3	-1·5	-1·0	-1·5	-0·8	-0·6	+1·4	+2·5	+1·8	+1·3	+1·5	+2·4	+2·6	+2·5	+2·8	+1·9
Equinox	-1·1	+0·3	+0·7	+1·1	+0·3	+0·3	+0·8	+0·9	+0·1	-1·7	-4·0	-6·0	-6·6	-4·5	-0·6	+2·1	+3·1	+2·9	+2·4	+2·7	+2·7	+2·5	+1·4	+0·1
Summer	+1·0	+0·6	+0·4	+1·2	+2·3	+3·3	+2·7	+2·0	0·0	-3·3	-7·7	-10·6	-11·2	-7·7	-3·1	+0·8	+4·1	+5·1	+4·7	+4·5	+3·7	+3·3	+2·4	+1·7

† See page 21.

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

DECLINATION (measured positive towards the West) (QUIET DAYS).

326. Eskdalemuir. 1932.

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

INCLINATION (QUIET DAYS).

327. Eskdalemuir. 1932.

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
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	+0·24	+0·15	+0·16	+0·02	-0·18	-0·34	-0·54	-0·41	-0·45	-0·14	+0·13	+0·16	+0·22	+0·09	-0·05	+0·04	0·00	-0·01	-0·13	+0·17	+0·19	+0·20	+0·23	+0·28
Feb.	-0·13	-0·10	-0·06	-0·14	-0·23	-0·25	-0·37	-0·38	-0·13	+0·28	+0·70	+0·66	+0·56	+0·40	+0·15	-0·10	-0·17	-0·22	-0·12	-0·19	-0·14	-0·07	0·00	+0·03
March	-0·33	-0·06	-0·17	-0·23	-0·30	-0·41	-0·51	-0·37	+0·14	+0·62	+0·88	+0·87	+0·50	+0·40	+0·20	+0·07	-0·10	+0·02	-0·24	+0·01	-0·10	-0·30	-0·32	-0·28
April	-0·22	-0·09	-0·21	-0·08	-0·37	-0·36	-0·32	-0·08	+0·50	+1·13	+1·37	+1·28	+0·79	+0·20	-0·08	-0·22	-0·38	-0·65	-0·54	-0·50	-0·32	-0·18	-0·30	-0·36
May	-0·60	-0·52	-0·39	-0·20	-0·16	+0·08	+0·45	+0·88	+1·38	+1·50	+1·43	+1·23	+0·81	+0·50	+0·30	-0·18	-0·63	-0·96	-1·20	-1·10	-0·80	-0·65	-0·58	-0·58
June	-0·28	-0·50	-0·38	-0·41	-0·32	-0·10	+0·38	+0·78	+1·11	+1·38	+1·38	+1·01	+0·60	+0·42	+0·20	+0·01	-0·48	-0·71	-1·10	-1·00	-0·72	-0·54	-0·42	-0·32
July	-0·39	-0·33	-0·33	-0·30	-0·37	-0·15	+0·12	+0·40	+0·94	+1·20	+1·51	+1·55	+1·22	+0·67	-0·30	-0·45	-0·50	-0·60	-0·75	-0·79	-0·72	-0·59	-0·52	-0·53
Aug.	-0·35	-0·27	-0·42	-0·30	-0·17	+0·10	+0·25	+0·68	+1·20	+1·69	+1·67	+1·28	+0·59	+0·20	-0·12	-0·22	-0·53	-0·71	-1·10	-1·10	-0·90	-0·63	-0·45	-0·38
Sept.	-0·50	-0·30	-0·30	-0·24	-0·15	+0·01	+0·30	+0·64	+0·91	+1·21	+1·20	+0·95	+0·51	+0·20	-0·08	-0·16	-0·14	-0·26	-0·62	-0·77	-0·72	-0·48	-0·51	-0·71
Oct.	-0·61	-0·39	-0·21	-0·09	-0·10	-0·43	-0·38	-0·26	+0·28	+0·84	+1·37	+1·30	+0·90	+0·52	+0·26	0·00	-0·11	-0·25	-0·50	-0·50	-0·41	-0·35	-0·50	-0·39
Nov.	-0·11	-0·20	-0·22	-0·20	-0·30	-0·49	-0·60	-0·29	+0·16	+0·54	+0·92	+0·98	+0·68	+0·43	+0·19	-0·02	-0·23	-0·27	-0·20	-0·15	-0·14	-0·16	-0·18	-0·12
Dec.	+0·04	+0·12	-0·01	-0·05	-0·20	-0·38	-0·34	-0·39	-0·20	+0·20	+0·34	+0·35	+0·28	+0·23	+0·16	-0·03	-0·12	-0·20	-0·20	-0·09	+0·04	+0·11	+0·10	+0·23
Year	-0·27	-0·21	-0·21	-0·19	-0·24	-0·23	-0·13	+0·10	+0·49	+0·87	+1·07	+0·97	+0·64	+0·35	+0·07	-0·11	-0·28	-0·40	-0·56	-0·50	-0·39	-0·30	-0·29	-0·26
Winter	+0·01	-0·01	-0·03	-0·09	-0·23	-0·37	-0·46	-0·37	-0·15	+0·22	+0·52	+0·54	+0·43	+0·29	+0·11	-0·03	-0·13	-0·17	-0·16	-0·07	-0·01	+0·02	+0·04	+0·11
Equinox	-0·41	-0·21	-0·22	-0·16	-0·23	-0·30	-0·23	-0·02	+0·46	+0·95	+1·21	+1·10	+0·67	+0·33	+0·07	-0·08	-0·18	-0·29	-0·47	-0·44	-0·39	-0·33	-0·41	-0·43
Summer	-0·41	-0·41	-0·38	-0·30	-0·25	-0·02	-0·30	+0·69	+1·16	+1·44	+1·50	+1·27	+0·81	+0·45	+0·02	-0·21	-0·53	-0·75	-1·04	-1·00	-0·79	-0·60	-0·49	-0·45

HORIZONTAL FORCE (QUIET DAYS).

328. Eskdalemuir. 1932.

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
Jan.	-3·0	-2·4	-3·3	-1·5	+1·0	+3·3	+5·8	+4·5	+4·7	+0·2	-2·4	-2·7	-2·5	-1·2	+1·4	+0·9	+0·7	+0·5	+2·8	-0·8	-1·1	-1·3	-1·4	-2·2
Feb.	+1·4	+0·9	+0·3	+1·6	+3·3	+3·6	+5·4	+5·5	+2·2	-4·2	-11·1	-11·3	-10·2	-7·2	-2·3	+2·1	+3·1	+4·3	+2·7	+3·7	+2·7	+1·8	+1·4	+0·3
March	+4·2	+0·7	+2·2	+3·3	+4·1	+6·4	+7·5	+5·6	-2·1	-10·0	-14·9	-15·2	-9·6	-7·5	-3·0	+0·1	+2·6	+0·7	+4·6	+1·9	+3·7	+5·4	+5·3	+4·0
April	+2·9	+2·3	+4·0	+2·1	+5·2	+5·3	+4·9	+1·3	-7·1	-17·4	-21·5	-20·7	-14·6	-5·6	-0·1	+3·4	+6·1	+11·2	+9·6	+8·6	+6·0	+3·9	+5·0	+5·2
May	+8·6	+7·4	+5·6	+3·2	+3·0	0·0	-5·4	-12·0	-20·5	-23·5	-23·5	-20·9	-15·5	-10·1	-5·9	+2·7	+10·8	+16·4	+19·8	+18·2	+13·2	+10·6	+9·0	+8·8
June	+4·9	+7·6	+6·2	+6·5	+5·8	+2·6	-4·5	-10·6	-16·6	-22·1	-24·0	-20·0	-13·5	-9·2	-3·6	+0·7	+7·8	+12·2	+17·7	+16·2	+12·6	+9·5	+7·8	+6·0
July	+6·5	+5·4	+5·4	+5·0	+6·3	+3·2	-0·6	-4·7	-13·4	-19·3	-25·8	-26·8	-22·3	-12·9	+2·4	+6·3	+8·9	+11·1	+13·5	+13·3	+12·1	+9·7	+8·3	+8·4
Aug.	+5·8	+4·5	+6·8	+5·0	+3·1	-0·3	-3·4	-9·7	-18·0	-25·4	-26·9	-22·6	-12·8	-5·7	+1·0	+3·8	+9·3	+12·3	+17·6	+17·5	+14·2	+10·2	+7·5	+6·2
Sept.	+7·1	+4·6	+4·9	+4·3	+2·7	+0·6	-3·3	-8·9	-14·1	-19·8	-20·9	-17·1	-10·3	-4·4	+1·3	+3·3	+3·9	+4·8	+9·7	+12·7	+11·5	+8·2	+8·5	+10·7
Oct.	+7·7	+4·7	+2·8	+1·1	+1·0	+6·1	+5·3	+4·0	-3·5	-12·0	-20·0	-19·9	-14·5	-8·7	-3·9	+1·1	+2·8	+4·4	+7·8	+7·8	+6·7	+5·9	+7·6	+5·7
Nov.	+1·0	+1·8	+2·0	+2·0	+3·9	+6·3	+8·3	+3·9	-1·7	-7·3	-13·1	-14·3	-9·8	-5·8	-1·8	+1·2	+3·8	+4·2	+3·2	+2·6	+2·7	+2·9	+2·5	+1·5
Dec.	-0·8	-2·2	-0·1	+0·2	+2·2	+5·0	+4·6	+5·6	+2·3	-3·7	-5·8	-5·7	-4·5	-3·4	-1·7	+1·3	+2·4	+3·7	+3·5	+1·6	0·0	-0·9	-0·6	-3·0
Year	+3·9	+2·9	+3·1	+2·7	+3·5	+3·5	+2·1	-1·3	-7·3	-13·7	-17·5	-16·4	-11·7	-6·8	-1·3	+2·2	+5·2	+7·1	+9·4	+8·6	+7·0	+5·5	+5·1	+4·3
Winter	-0·3	-0·5	-0·3	+0·6	+2·6	+4·5	+6·0	+4·9	+1·9	-3·7	-8·1	-8·5	-6·7	-4·4	-1·1	+1·4	+2·5	+3·2	+3·1	+1·8	+1·1	+0·6	+0·5	-0·9
Equinox	+5·5	+3·1	+3·5	+2·7	+3·3	+4·6	+3·6	+0·5	-6·7	-14·8	-19·3	-18·2	-12·3	-6·5	-1·4	+2·0	+3·9	+5·3	+7·9	+7·7	+7·0	+5·9	+6·6	+6·4
Summer	+6·5	+6·2	+6·0	+4·9	+4·5	+1·4	-3·5	-9·3	-17·1	-22·6	-25·1	-22·5	-16·0	-9·5	-1·5	+3·4	+9·2	+13·0	+17·1	+16·3	+13·0	+10·0	+8·1	+7·3

† See page 21.

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

NORTH COMPONENT (DISTURBED DAYS).

329. Eskdalemuir. 1932.

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.	+10·6	+ 3·1	+ 4·6	+ 4·0	+ 4·7	+12·5	+ 9·9	+10·6	+ 0·6	-10·0	-13·1	-14·8	-17·9	-13·5	- 3·7	-13·4	-10·2	- 4·3	- 1·7	+ 3·6	+ 8·6	+ 5·1	+18·7	+ 6·1
Feb.	- 2·1	- 0·6	- 8·7	- 0·9	+ 1·0	+ 2·9	+ 8·0	+ 3·2	+ 4·2	- 1·8	-11·5	-17·7	- 7·8	- 4·1	- 8·2	- 5·2	+ 1·3	+12·7	+ 8·1	+11·4	+ 6·2	- 4·7	+10·5	+ 3·8
Mar.	+ 0·3	- 3·2	- 2·1	+ 2·6	+ 9·4	- 5·9	+ 2·0	+ 2·3	-13·1	-26·7	-35·4	-38·0	-20·3	- 6·8	+ 1·4	+ 3·4	+ 6·5	+ 9·4	+30·7	+17·9	+31·1	+ 5·9	+16·6	+12·2
Apr.	+10·4	+ 0·1	-10·3	- 1·8	+ 6·4	+ 7·7	+ 0·6	-11·4	- 7·4	-23·9	-53·4	-38·2	-26·9	-11·0	+ 3·4	+ 8·8	+12·1	+10·7	+29·5	+22·2	+14·7	+14·2	+28·7	+15·0
May.	+ 4·3	- 6·7	+ 6·0	- 4·7	-36·4	-26·9	-13·1	- 7·9	- 9·4	- 9·1	-11·9	-14·3	-26·2	-18·2	+ 4·1	+22·6	+37·3	+59·9	+42·3	+21·6	+13·8	+ 0·5	-24·2	- 3·3
June.	+ 6·0	+ 1·4	- 8·6	+ 7·4	- 1·8	+ 0·2	+ 0·7	- 3·3	-12·3	-24·2	-31·4	-28·2	-23·7	-16·2	+ 0·4	+ 7·2	+17·2	+21·2	+20·2	+21·5	+17·1	+10·7	+ 8·7	+ 9·9
July.	+10·9	+ 6·8	+10·1	+ 6·4	+16·9	+ 8·0	- 6·7	-10·7	-20·7	-31·1	-33·5	-31·8	-27·7	-25·5	-28·7	+ 3·7	+15·7	+28·3	+18·3	+22·2	+21·5	+20·2	+11·5	+15·9
Aug.	+ 7·8	- 9·0	+ 1·7	+ 7·0	+ 3·4	+ 4·8	- 7·6	-21·7	-30·2	-39·7	-41·7	-38·9	-26·4	-11·3	- 4·6	+14·9	+21·9	+27·5	+30·1	+24·0	+15·7	+32·3	+26·2	+14·0
Sept.	+13·1	+ 6·1	+ 8·9	+ 7·8	+19·3	+15·2	+ 2·8	+ 3·7	- 4·1	-21·7	-27·8	-32·1	-22·3	-22·1	- 7·0	+ 1·5	+ 6·0	- 3·0	- 1·2	+10·8	+15·4	+15·4	+ 7·5	+ 7·5
Oct.	+14·2	+ 3·4	+ 7·0	+ 3·2	+17·0	+19·6	+ 9·1	+14·9	+ 0·3	-25·4	-32·6	-32·0	-23·4	-18·1	-13·2	- 5·8	- 5·5	- 0·4	+ 5·1	+12·3	+ 8·9	+ 2·4	+18·8	+20·3
Nov.	+ 5·6	+ 6·1	+ 5·4	+ 5·5	+11·5	- 1·9	0·0	- 0·9	- 2·9	- 7·4	-19·2	-15·4	-15·7	-15·4	-10·5	- 4·9	- 5·5	- 1·8	+ 8·4	+ 9·8	+14·4	+16·9	+12·6	+ 5·4
Dec.	- 7·3	- 5·5	+ 2·2	+ 5·6	+ 5·3	+ 8·0	+13·2	+12·6	+ 7·4	+ 3·8	- 1·7	- 9·2	- 9·6	- 1·3	+ 2·1	+ 9·6	- 5·2	- 5·9	- 7·8	- 0·2	- 7·4	- 3·8	- 9·4	+ 4·7
Year.	+ 6·2	+ 0·2	+ 1·4	+ 3·6	+ 4·7	+ 3·6	+ 1·6	- 0·8	- 7·3	-18·1	-26·1	-25·9	-20·7	-13·7	- 5·4	+ 3·6	+ 7·6	+12·8	+15·1	+14·7	+13·3	+ 9·6	+10·6	+ 9·2
Winter.	+ 1·7	+ 0·7	+ 0·8	+ 3·6	+ 5·6	+ 5·4	+ 7·8	+ 6·3	+ 2·3	- 3·8	-11·4	-14·3	-12·7	- 8·6	- 5·1	- 3·5	- 4·9	+ 0·2	+ 1·8	+ 6·2	+ 5·4	+ 3·4	+ 8·1	+ 5·0
Eqnx.	+ 9·4	+ 1·7	+ 0·9	+ 2·5	+13·0	+ 9·2	+ 3·6	+ 2·3	- 6·0	-24·4	-37·3	-35·1	-23·2	-14·5	- 3·9	+ 1·9	+ 4·8	+ 4·2	+16·0	+15·8	+17·6	+ 9·4	+17·9	+13·7
Sumr.	+ 7·3	- 1·9	+ 2·3	+ 4·1	- 4·5	- 3·5	- 6·6	-10·9	-18·1	-26·0	-29·6	-28·3	-26·1	-17·8	- 7·2	+12·1	+23·1	+34·2	+27·8	+22·3	+17·0	+15·9	+ 5·6	+ 9·1

WEST COMPONENT (DISTURBED DAYS).

330. Eskdalemuir. 1932.

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.	-14·2	- 9·0	+ 2·9	+ 6·5	+13·0	+ 9·9	+10·1	+14·9	+ 7·6	+ 3·5	- 1·1	+ 6·0	+11·5	+20·3	+22·6	+10·3	+15·3	-10·9	-18·0	- 6·6	-13·9	-16·1	-36·3	-28·3
Feb.	-10·6	+ 1·0	+14·5	- 2·0	- 0·5	- 0·2	+ 2·0	+ 5·3	+ 9·2	+ 4·4	+ 2·9	+18·2	+22·7	+31·3	+27·2	+18·0	- 9·8	- 2·3	-12·1	-34·1	-39·6	-14·5	-14·7	-16·2
Mar.	-10·3	-17·5	-29·3	-17·6	-11·1	- 8·6	0·0	- 0·1	- 2·4	+ 3·8	+12·1	+24·1	+35·2	+35·4	+39·1	+29·6	+15·0	+ 0·6	-18·5	-16·2	-23·1	-16·7	- 2·8	-20·5
Apr.	-15·0	-28·7	-24·5	-12·4	-20·2	-18·9	-17·1	- 8·0	- 9·4	-11·5	+ 2·5	+15·9	+27·0	+37·4	+23·3	+31·6	+25·2	+19·5	+ 3·1	-12·8	- 2·8	- 2·0	+10·8	-12·7
May.	-13·8	-34·9	-29·6	-17·0	-26·0	-19·7	-17·1	-20·4	-19·8	-10·2	+ 1·2	+14·5	+26·7	+37·2	+40·3	+40·2	+43·3	+31·6	+15·2	+ 2·2	- 2·0	- 8·4	-19·7	-13·6
June.	- 5·2	-12·4	+ 2·5	- 1·4	- 9·1	-13·9	-17·2	-22·0	-28·0	-21·7	-13·6	- 0·5	+14·3	+21·7	+26·6	+28·8	+28·4	+22·1	+12·7	+ 8·8	- 3·9	- 6·9	- 3·9	- 6·1
July.	-12·3	-10·3	- 7·0	- 7·4	- 9·8	-21·0	-13·1	-16·7	-12·7	-15·1	- 5·9	+ 4·5	+16·0	+27·3	+20·9	+17·9	+16·5	+17·6	+13·7	+ 9·1	+ 1·1	- 4·7	- 3·8	- 5·1
Aug.	-14·6	- 2·5	-14·2	-16·1	-10·1	- 7·8	- 4·0	- 1·8	-10·7	- 4·4	+ 5·4	+16·1	+27·0	+29·3	+30·0	+27·1	+ 7·7	- 7·0	-10·9	+ 1·2	+ 0·3	- 4·0	-18·2	-17·6
Sept.	-17·4	- 3·6	+ 7·5	- 8·4	-15·7	-10·9	- 4·3	+ 0·3	- 3·6	+ 0·8	+ 8·1	+20·1	+33·5	+36·0	+34·7	+21·9	+ 9·5	+ 6·0	-11·7	-23·4	-28·4	-23·9	-16·0	-11·0
Oct.	-22·9	-25·6	-10·8	- 4·0	+ 9·9	+16·3	+14·6	+10·1	- 3·3	- 0·4	+ 7·5	+15·3	+26·3	+30·7	+27·9	+16·0	+15·2	0·0	- 0·9	-13·9	-19·9	-33·0	-28·3	-27·1
Nov.	- 7·3	- 3·7	- 5·9	+ 0·7	+10·4	+13·1	+13·7	+17·9	+ 1·6	+ 3·6	+ 1·4	+ 9·5	+14·6	+10·6	+ 8·3	+ 4·1	+ 4·6	-11·6	-12·1	- 1·7	- 9·4	-18·6	-27·4	-16·8
Dec.	-26·4	-16·3	-11·1	- 2·5	- 0·3	+ 6·4	+ 7·1	+11·6	+ 8·6	+ 9·8	+13·1	+15·4	+17·9	+21·8	+19·5	+21·2	+10·2	+ 3·4	+15·9	-19·1	-13·1	-35·6	-29·4	-27·9
Year	-14·2	-13·6	- 8·7	- 6·8	- 5·8	- 4·6	- 2·0	- 0·8	- 5·2	- 3·2	+ 2·8	+13·3	+22·7	+28·3	+26·6	+22·3	+15·1	+ 5·8	- 2·0	- 8·9	-12·9	-15·3	-15·9	-16·9
Winter	-14·7	- 7·1	+ 0·1	+ 0·7	+ 5·7	+ 7·3	+ 8·2	+12·4	+ 6·8	+ 5·3	+ 4·1	+12·3	+16·6	+21·0	+19·4	+13·4	+ 5·0	- 5·3	- 6·6	-15·4	-19·0	-21·2	-26·9	-22·3
Eqnx.	-16·4	-18·8	-14·3	-10·6	- 9·3	- 5·5	- 1·7	+ 0·6	- 4·6	- 1·8	+ 7·6	+18·9	+30·5	+34·9	+31·3	+24·8	+16·2	+ 6·5	- 7·0	-16·5	-18·5	-18·9	- 9·1	-17·8
Sumr.	-11·5	-15·1	-12·1	-10·5	-13·7	-15·6	-12·8	-15·2	-17·8	-12·8	- 3·1	+ 8·6	+21·0	+28·9	+29·5	+28·5	+24·0	+16·2	+ 7·7	+ 5·3	- 1·1	- 6·0	-11·4	-10·7

VERTICAL COMPONENT (DISTURBED DAYS

331. Eskdalemuir. 1932.

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.	-18·8	-22·6	-21·8	-17·2	-14·4	-13·8	-10·6	- 9·8	- 7·0	- 5·2	- 1·4	+ 0·8	+ 1·8	+ 4·6	+ 7·4	+23·0	+21·8	+25·2	+23·8	+17·2	+13·0	+10·0	+ 3·6	- 9·6
Feb.	-12·3	-14·4	-18·4	-13·9	- 7·1	- 5·2	- 6·6	- 6·0	- 6·5	- 4·4	- 4·4	- 1·7	- 2·4	+ 0·1	+ 5·7	+14·6	+24·8	+17·7	+16·3	+21·9	+13·8	+ 7·7	- 7·3	-12·0
Mar.	-39·7	-55·8	-43·4	-30·2	-20·9	-24·8	-20·8	-13·8	- 9·3	- 8·5	- 6·5	- 1·8	+ 2·6	+ 9·7	+16·1	+27·7	+42·0	+57·9	+60·5	+47·7	+18·0	+ 7·8	- 3·4	-11·1
Apr.	-24·6	-34·4	-42·5	-36·4	-19·2	-10·0	- 7·8	- 6·0	- 6·5	- 4·2	- 2·0	- 3·9	+ 2·1	+ 8·3	+20·3	+21·1	+27·0	+31·1	+35·1	+35·0	+26·4	+14·6	- 4·9	-18·6
May.	-18·3	-50·9	-54·6	-60·2	-52·2	-42·0	-27·1	- 5·6	+ 6·2	+ 8·6	+ 8·0	+ 7·6	+11·7	+20·9	+32·7	+40·3	+49·9	+48·4	+44·7	+42·5	+26·3	+ 6·5	-18·2	-25·2
June.	-16·2	-16·9	-16·6	-14·7	- 9·1	- 5·5	- 3·4	- 3·0	- 3·0	- 4·0	- 5·3	- 8·2	- 6·3	- 2·1	+ 4·5	+11·5	+18·2	+19·3	+19·4	+19·5	+17·8	+ 9·7	+ 2·5	- 8·1
July.	- 6·9	- 5·6	- 5·2	- 5·0	- 7·7	- 7·3	- 7·7	- 9·2	- 9·0	- 5·4	- 7·3	-12·3	- 9·5	- 3·1	+ 2·2	+ 7·6	+12·6	+14·5	+18·7	+19·1	+16·4	+ 9·6	+ 2·8	- 2·3
Aug.	-21·0	-21·8	-47·4	-27·8	-15·0	-13·3	-11·9	-11·8	- 8·1	- 4·5	- 3·7	- 5·8	- 2·1	+ 4·3	+13·2	+25·8	+41·6	+43·2	+40·0	+26·2	+18·5	+10·1	-11·0	-17·7
Sept.	-16·2	-18·0	-23·6	-27·2	-27·3	-21·9	-18·5	-16·0	-10·4	- 7·6	- 7·0	- 6·2	- 4·1	+ 5·9	+22·5	+39·3	+45·6	+42·8	+39·2	+31·1	+12·1	- 1·9	-12·5	-20·1
Oct.	-20·7	-28·0	-31·9	-26·2	-22·6	-20·5	-15·4	-11·5	- 5·1	- 2·4	- 0·5	+ 2·6	+ 4·6	+ 7·3	+15·6	+28·9	+33·7	+44·8	+28·3	+21·8	+12·2	+ 9·9	- 9·6	-15·3
Nov.	- 5·5	- 3·1	- 3·2	- 8·7	-13·3	-13·6	-16·0	-15·4	-10·7	- 7·4	- 4·7	- 2·2	+ 1·3	+10·0	+16·3	+18·6	+17·8	+18·7	+13·9	+ 9·1	+ 6·4	+ 1·7	- 2·2	- 7·7
Dec.	-13·3	-29·6	-25·5	-24·6	-23·5	-20·6	-17·5	-14·5	-11·0	- 8·6	- 5·8	- 3·5	+ 1·5	+ 2·4	+ 6·8	+10·2	+17·9	+32·6	+33·9	+41·5	+28·8	+14·6	+ 8·6	- 0·7
Year.	-17·8	-25·1	-27·9	-24·3	-19·4	-16·5	-13·6	-10·2	- 6·7	- 4·5	- 3·4	- 2·9	+ 0·1	+ 5·7	+13·6	+22·4	+29·4	+33·0	+31·1	+27·7	+17·5	+ 8·4	- 4·3	-12·4
Winter	-12·5	-17·4	-17·3	-16·1	-14·6	-13·3	-12·7	-11·4	- 8·8	- 6·4	- 4·1	- 1·7	+ 0·5	+ 4·3	+ 9·1	+16·6	+20·6	+23·5	+22·0	+22·4	+15·5	+ 8·5	+ 0·7	- 7·5
Eqnx.	-25·3	-34·1	-35·3	-30·0	-22·5	-19·3	-15·6	-11·8	- 7·8	- 5·7	- 4·0	- 2·3	+ 1·3	+ 7·8	+18·6	+29·3	+37·1	+44·1	+40·8	+33·9	+17·2	+ 7·6	- 7·6	-16·3
Sumr.	-15·6	-23·8	-30·9	-26·9	-21·0	-17·0	-12·5	- 7·4	- 3·5	- 1·3	- 2·1	- 4·7	- 1·5	+ 5·0	+13·1	+21·3	+30·6	+31·3	+30·7	+26·8	+19·7	+ 9·0	- 6·0	-13·3

† see page 21.

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION AND HORIZONTAL FORCE. SELECTED DISTURBED DAYS.

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

DECLINATION (measured positive towards the West) (DISTURBED DAYS).

332. Eskdalemuir. 1932.

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

INCLINATION (DISTURBED DAYS).

333. Eskdalemuir. 1932.

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.	-0·91	-0·60	-0·91	-0·82	-0·86	-1·32	-1·09	-1·18	-0·35	+0·45	+0·85	+0·90	+1·02	+0·68	+0·02	+1·28	+0·96	+1·10	+1·04	+0·30	+0·01	+0·19	-0·54	-0·18
Feb.	0·00	-0·35	-0·13	-0·26	-0·24	-0·33	-0·73	-0·43	-0·60	-0·06	+0·59	+0·81	+0·07	-0·25	+0·22	+0·40	+0·70	-0·34	+0·07	+0·37	+0·60	+0·75	-0·61	-0·29
Mar.	-0·82	-0·90	-0·43	-0·62	-0·93	-0·12	-0·66	-0·50	+0·68	+1·47	+1·97	+2·05	+0·80	+0·09	-0·35	-0·02	+0·38	+0·80	-0·20	+0·29	-1·20	+0·08	-1·12	-0·75
Apr.	-1·03	-0·38	+0·04	-0·57	-0·56	-0·44	+0·05	+0·73	+0·48	+1·66	+3·40	+2·14	+1·35	+0·29	-0·09	-0·58	-0·55	-0·26	-1·10	-0·37	-0·27	-0·54	-2·16	-1·23
May.	-0·52	-0·24	-1·25	-0·91	+1·52	+1·06	+0·47	+0·70	+1·09	+0·98	+0·95	+0·89	+1·58	+1·07	-0·13	-1·13	-1·92	-3·22	-1·91	-0·39	-0·23	+0·28	+1·46	-0·17
June.	-0·70	-0·30	+0·10	-0·73	+0·05	+0·08	+0·15	+0·50	+1·20	+1·85	+2·11	+1·65	+1·15	+0·65	-0·36	-0·67	-1·14	-1·28	-1·05	-1·08	-0·61	-0·36	-0·44	-0·76
July.	-0·69	-0·40	-0·68	-0·40	-1·10	-0·36	+0·47	+0·75	+1·38	+2·16	+2·10	+1·72	+1·31	+1·12	+1·58	-0·36	-0·98	-1·79	-1·00	-1·13	-1·07	-0·97	-0·63	-1·03
Aug.	-0·80	+0·09	-1·04	-0·89	-0·41	-0·52	+0·28	+1·16	+1·96	+2·56	+2·55	+2·13	+1·23	+0·36	+0·13	-0·80	-0·52	-0·60	-0·80	-0·91	-0·58	-1·78	-1·69	-1·10
Sept.	-0·96	-0·80	-1·30	-1·05	-1·68	-1·35	-0·55	-0·64	+0·08	+1·21	+1·50	+1·62	+0·80	+1·00	+0·42	+0·50	+0·59	+1·14	+1·26	+0·46	-0·22	-0·65	-0·55	-0·82
Oct.	-1·07	-0·50	-1·07	-0·80	-1·82	-2·06	-1·23	-1·42	-0·10	+1·61	+2·00	+1·90	+1·20	+0·85	+0·80	+0·84	+0·95	+1·14	+0·39	-0·03	+0·03	+0·64	-0·99	-1·25
Nov.	-0·39	-0·41	-0·33	-0·60	-1·24	-0·43	-0·62	-0·63	-0·11	+0·25	+1·08	+0·80	+0·83	+1·08	+0·95	+0·71	+0·71	+0·78	0·00	-0·38	-0·63	-0·75	-0·43	-0·27
Dec.	+0·60	-0·10	-0·60	-0·93	-0·92	-1·14	-1·40	-1·39	-0·90	-0·63	-0·27	+0·25	+0·35	-0·23	-0·30	-0·72	+0·62	+1·14	+1·08	+1·38	+1·42	+1·23	+1·33	+0·14
Year.	-0·61	-0·41	-0·63	-0·71	-0·68	-0·58	-0·41	-0·20	+0·40	+1·13	+1·57	+1·41	+0·97	+0·56	+0·24	-0·05	-0·02	-0·12	-0·19	-0·12	-0·23	-0·16	-0·53	-0·64
Winter	-0·17	-0·37	-0·49	-0·65	-0·81	-0·81	-0·96	-0·91	-0·49	0·00	+0·56	+0·69	+0·57	+0·32	+0·22	+0·42	+0·75	+0·67	+0·55	+0·42	+0·35	+0·35	-0·06	-0·15
Eqnx.	-0·97	-0·65	-0·69	-0·76	-1·25	-0·99	-0·60	-0·46	+0·29	+1·49	+2·22	+1·93	+1·04	+0·56	+0·19	+0·19	+0·34	+0·71	+0·09	+0·09	-0·41	-0·12	-1·21	-1·01
Sumr.	-0·68	-0·21	-0·72	-0·73	+0·01	+0·07	+0·34	+0·78	+1·41	+1·89	+1·93	+1·60	+1·32	+0·80	+0·31	-0·74	-1·14	-1·72	-1·19	-0·88	-0·62	-0·71	-0·33	-0·77

HORIZONTAL FORCE (DISTURBED DAYS).

334. Eskdalemuir. 1932.

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.	+ 6·7	+ 0·7	+ 5·2	+ 5·5	+ 7·7	+14·5	+12·1	+13·9	+ 2·5	- 8·8	-13·0	-12·8	-14·4	- 8·0	+ 2·1	-10·4	- 6·1	- 6·9	- 6·1	+ 1·9	+ 4·8	+ 0·9	+ 9·1	- 1·1
Feb.	- 4·6	- 0·3	- 4·9	- 1·3	+ 0·8	+ 2·8	+ 8·3	+ 4·3	+ 6·3	- 0·6	-10·4	-12·6	- 1·9	+ 3·8	- 1·1	- 0·6	- 1·1	+11·4	+ 4·9	+ 2·6	- 3·8	- 8·2	+ 6·5	- 0·3
Mar.	- 2·4	- 7·4	- 9·3	- 1·9	+ 6·3	- 7·8	+ 2·0	+ 2·2	-13·3	-24·9	-31·3	-31·0	-10·9	+ 2·3	+11·0	+10·6	+10·0	+ 9·3	+25·1	+13·3	+24·4	+ 1·6	+15·4	+ 6·7
Apr.	+ 6·3	- 7·0	-16·1	- 4·8	+ 1·1	+ 2·8	- 3·7	-13·0	- 9·5	-26·0	-51·1	-33·0	-19·3	- 1·3	+ 8·9	+16·4	+18·0	+15·2	+29·3	+18·3	+13·5	+13·2	+30·4	+11·4
May.	+ 0·7	-15·2	- 1·5	- 8·8	-41·7	-31·0	-16·9	-12·7	-14·0	-11·4	-11·3	-10·2	-18·7	- 8·4	+13·9	+31·9	+46·9	+65·8	+44·7	+21·5	+12·9	- 1·6	-28·3	- 6·6
June	+ 4·5	- 1·8	- 7·7	+ 6·8	- 4·0	- 3·3	- 3·6	- 8·7	-18·9	-28·8	-33·7	-27·4	-19·4	-10·3	+ 7·0	+14·1	+23·7	+26·0	+22·7	+23·0	+15·6	+ 8·7	+ 7·4	+ 8·1
July	+ 7·5	+ 4·0	+ 8·0	+ 4·3	+13·9	+ 2·5	- 9·7	-14·5	-23·2	-33·8	-33·9	-29·6	-22·8	-17·9	-22·6	+ 8·0	+19·3	+31·8	+21·2	+23·7	+21·1	+18·4	+10·2	+14·1
Aug.	+ 3·9	- 9·4	- 1·9	+ 2·8	+ 0·7	+ 2·7	- 8·4	-21·5	-31·9	-39·5	-39·0	-33·6	-18·9	- 3·6	+ 3·0	+21·2	+23·1	+24·9	+26·4	+23·5	+15·3	+30·2	+20·8	+ 9·2
Sept.	+ 8·4	+ 5·1	+10·5	+ 5·5	+14·8	+12·0	+ 1·7	+ 3·6	- 4·8	-20·8	-24·9	-26·1	-13·2	-12·5	+ 1·9	+ 6·9	+ 8·2	- 1·4	- 4·1	+ 4·6	+ 7·8	+ 9·0	+ 3·3	+ 4·5
Oct.	+ 8·1	- 3·1	+ 4·1	+ 2·1	+18·9	+23·0	+12·5	+16·9	- 0·5	-24·7	-29·7	-27·1	-16·1	- 9·9	- 5·9	- 1·7	- 1·5	- 0·4	+ 4·7	+ 8·5	+ 3·7	- 5·9	+11·1	+12·9
Nov.	+ 3·6	+ 5·0	+ 3·7	+ 5·5	+13·7	+ 1·4	+ 3·4	+ 3·6	- 2·4	- 6·3	-18·3	-12·6	-11·6	-12·3	- 8·0	- 3·7	- 4·2	- 4·6	+ 5·2	+ 9·1	+11·6	+11·8	+ 5·4	+ 1·0
Dec.	-13·6	- 9·4	- 0·6	+ 4·8	+ 5·0	+ 9·4	+14·5	+15·1	+ 9·3	+ 6·1	+ 1·7	- 5·1	- 4·9	+ 4·1	+ 6·9	+14·5	- 2·5	- 4·9	- 3·6	- 5·0	-10·4	-12·6	-16·4	- 2·4
Year.	+ 2·4	- 3·2	- 0·9	+ 1·7	+ 3·1	+ 2·4	+ 1·0	- 0·9	- 8·4	-18·3	-24·6	-21·8	-14·3	- 6·2	+ 1·4	+ 8·9	+11·1	+13·9	+14·2	+12·1	+ 9·7	+ 5·5	+ 6·2	+ 4·8
Winter	- 2·0	- 1·0	+ 0·9	+ 3·6	+ 6·8	+ 7·0	+ 9·6	+ 9·2	+ 3·9	- 2·4	-10·0	-10·8	- 8·2	- 3·1	0·0	- 0·1	- 3·5	- 1·3	+ 0·1	+ 2·1	+ 0·5	- 2·0	+ 1·1	- 0·7
Eqnx.	+ 5·1	- 3·1	- 2·7	+ 0·2	+10·3	+ 7·5	+ 3·1	+ 2·4	- 7·0	-24·1	-34·3	-29·3	-14·9	- 5·3	+ 4·0	+ 8·1	+ 8·7	+ 5·7	+13·7	+11·2	+12·3	+ 4·5	+15·1	+ 8·9
Sumr.	+ 4·1	- 5·6	- 0·8	+ 1·3	- 7·8	- 7·3	- 9·7	-14·3	-22·0	-28·4	-29·5	-25·2	-19·9	-10·1	+ 0·3	+18·8	+28·3	+37·1	+28·7	+22·9	+16·2	+13·9	+ 2·5	+ 6·2

† See page 21.

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. 1932.

Month and Season	"All" Days. N.	"All" Days. W.	"All" Days. V.	Quiet Days. N.	Quiet Days. W.	Quiet Days. V.	Disturbed Days. N.	Disturbed Days. W.	Disturbed Days. V.	"All" Days. D.	"All" Days. I.	"All" Days. H.	Quiet Days. D.	Quiet Days. I.	Quiet Days. H.	Disturbed Days. D.	Disturbed Days. I.	Disturbed Days. H.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	′	′	γ	′	′	γ	′	′	γ
January	16·6	31·3	15·8	11·6	20·3	11·3	36·6	58·9	47·8	6·92	1·12	14·8	4·46	0·82	9·1	13·03	2·34	28·9
February	25·0	31·1	18·9	20·2	24·7	8·6	30·4	70·9	43·2	7·13	1·56	22·4	5·45	1·08	16·8	14·79	1·54	24·0
March	32·8	40·6	41·3	26·2	33·1	11·2	69·1	68·4	116·3	9·29	1·83	26·6	7·39	1·39	22·7	14·38	3·25	56·4
April	48·9	41·7	39·3	33·0	37·9	14·1	82·9	66·1	77·6	8·54	2·74	48·0	8·03	2·02	32·7	13·87	5·56	81·5
May	53·0	47·5	35·2	42·4	46·4	14·9	96·3	78·2	110·1	9·93	3·11	54·1	9·77	2·70	43·3	15·08	4·80	107·5
June	43·7	46·5	21·3	38·6	36·2	19·2	52·6	56·8	36·4	9·40	2·62	45·6	8·02	2·48	41·7	10·41	3·39	59·7
July	45·9	44·7	19·9	42·5	50·2	17·6	61·8	48·3	31·4	9·73	2·79	46·9	10·94	2·34	40·3	11·45	3·95	65·7
August	46·3	47·9	26·4	41·6	49·4	15·9	74·0	48·2	90·6	9·75	2·72	46·1	10·00	2·79	44·5	11·79	4·34	69·7
September	38·6	37·1	24·9	34·4	39·5	12·3	51·4	64·4	72·9	8·86	2·13	33·1	8·55	1·98	33·6	14·86	3·30	40·9
October	35·9	33·2	22·0	30·0	32·8	6·9	52·9	63·7	76·7	7·96	2·25	31·6	7·31	1·98	27·8	13·85	4·06	52·7
November	20·6	23·1	12·6	24·7	18·9	5·8	36·1	45·3	34·7	5·62	1·35	18·6	4·53	1·58	22·6	9·89	2·32	32·0
December	17·3	27·8	18·2	13·1	16·3	4·3	22·8	57·4	71·1	5·82	1·40	15·8	3·69	0·74	11·4	11·42	2·82	31·5
Year	31·8	32·0	21·5	27·3	32·2	9·4	41·2	45·2	60·9	6·99	1·63	29·5	6·89	1·63	26·9	10·11	2·28	38·8
Winter	19·4	27·6	14·9	16·6	18·2	5·1	22·4	47·9	40·9	6·17	1·28	17·6	4·15	1·00	14·5	10·49	1·71	20·4
Equinox	36·5	36·3	30·6	28·8	35·4	9·7	55·2	53·8	79·4	8·52	2·14	32·5	7·58	1·68	27·2	12·38	3·47	49·4
Summer	46·8	45·5	20·4	40·9	44·8	16·3	63·8	45·1	62·2	9·70	2·76	47·9	9·58	2·54	42·2	9·69	3·65	66·6

NON-CYCLIC CHANGE†.

336. Eskdalemuir. 1932.

Month	"All" Days H.	"All" Days D.	"All" Days V.	Quiet Days. H.	Quiet Days. D.	Quiet Days. V.	Disturbed Days. H.	Disturbed Days. D.	Disturbed Days. V.
	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	+0·1	+0·01	+2·1	+1·1	-0·13	-0·7	-4·5	-1·05	-4·8
February	+0·7	+0·05	-0·7	+3·5	+0·06	-0·5	-4·1	-0·15	-4·2
March	-0·7	-0·07	-0·7	+2·1	+0·68	+1·4	-11·9	+0·04	-13·4
April	+0·6	0·00	+1·0	+5·8	+1·86	+8·4	-10·4	-2·95	-17·7
May	-0·1	-0·06	+0·2	+5·1	+0·07	+1·6	-9·2	-1·64	+6·5
June	+0·1	+0·01	-0·6	+2·4	-0·18	-1·6	-3·0	+1·08	+1·1
July	+0·1	-0·06	-1·0	+3·9	+0·16	-1·5	-8·1	-0·65	-4·0
August	-0·5	-0·01	-0·7	+1·6	+0·14	-1·8	-9·2	+0·46	-6·7
September	-0·1	-0·07	-0·5	+4·7	-0·17	-1·4	-4·4	+0·46	-2·3
October	0·0	-0·03	+0·3	+1·7	-0·54	+3·3	-2·4	+0·57	+1·8
November	0·0	-0·01	+0·9	+2·7	+0·43	+0·7	-3·9	-0·37	-0·2
December	-0·1	-0·10	0·0	-1·5	+0·67	+1·2	-12·3	-0·99	-0·8
Year 1932	--	--	--	--	--	--	--	--	--

MEAN VALUES OF HR_H+VR_V*.

337. Eskdalemuir. (Unit 10,000γ²) 1932.

Month	HR_H	VR_V	Sum	Mean Character Figure.
January	114	141	256	0·77
February	108	154	262	0·83
March	164	300	464	1·03
April	177	291	469	0·87
May	206	313	519	0·84
June	123	141	264	0·42
July	129	133	262	0·43
August	150	216	366	0·58
September	131	215	346	0·73
October	121	174	294	0·94
November	85	100	185	0·63
December	92	145	237	0·84
Year 1932	133	194	327	0·74

† See page 21.
* See page 175.

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS.

(All days)

338. Eskdalemuir. errata 1964 1932.

Month	North -19	West - 4	Vertical -49	Total -52	Declination (West)		Inclination (North)		Horizontal Force. -19
	γ	γ	γ	γ	°	′	°	′	γ
January	16048	4142	44935	47894	14	28·4	69	45·3	16574
February	16047	4139	44952	47909	14	27·7	69	45·8	16572
March	16050	4134	44928	47888	14	26·7	69	45·1	16573
April	16051	4132	44933	47893	14	26·1	69	45·2	16574
May	16056	4128	44940	47900	14	25·1	69	45·1	16578
June	16059	4125	44943	47904	14	24·4	69	45·0	16581
July	16056	4121	44917	47878	14	23·7	69	44·6	16577
August	16052	4114	44894	47854	14	22·4	69	44·4	16571
September	16046	4108	44876	47835	14	21·5	69	44·5	16564
October	16045	4101	44869	47828	14	20·3	69	44·5	16561
November	16048	4097	44895	47853	14	19·3	69	45·0	16563
December	16048	4093	44912	47868	14	18·4	69	45·5	16561
Year 1932	16050	4120	44916	47875	14	23·7	69	45·0	16571

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE.

Values of a_n, b_n in the series $\Sigma\,(a_n \cos 15nt° + b_n \sin 15nt°)$, t being reckoned in hours from midnight G.M.T.

(Longitude of Eskdalemuir Observatory, 3° 12′W.)

339. Eskdalemuir. 1932.

Month and Season.	North Component. a1.	b1.	a2.	b2.	a3.	b3.	a4.	b4.	West Component. a1.	b1.	a2.	b2.	a3.	b3.	a4.	b4.	Vertical Component. a1.	b1.	a2.	b2.	a3.	b3.	a4.	b4.
	(ALL DAYS).																							
Jan.	+3·9	+1·8	-2·9	-2·3	+2·2	-2·1	0·0	+0·5	-9·9	+1·7	-1·4	+5·9	-1·5	-1·3	-0·5	+1·7	-1·0	-7·5	-1·8	-1·0	-0·2	-0·4	-0·4	-0·7
Feb.	+6·6	+1·0	-5·8	-2·1	+3·3	-0·9	-0·4	+0·5	-9·4	-0·1	+2·5	+6·1	-0·4	-3·1	-1·0	+2·5	-1·3	-7·9	-3·0	-0·9	+0·3	+0·2	-0·5	-0·7
Mar.	+10·4	-3·2	-7·3	-0·6	+1·8	-2·7	-0·5	+1·1	-13·5	-3·6	+4·2	+9·1	+0·7	-3·9	+1·1	+0·9	-3·9	-13·6	-7·4	-3·6	+0·1	+0·1	+0·2	-0·6
Apr.	+14·4	-8·1	-9·1	+0·4	+3·6	-2·5	+0·7	+1·4	-9·6	-9·8	+3·2	+9·6	-0·8	-3·8	+0·7	-0·4	-4·7	-13·6	-7·8	-4·5	+0·4	+0·2	-0·6	+0·1
May.	+14·2	-11·4	-9·8	+0·5	+2·3	+3·1	+1·7	+1·6	-8·4	-16·6	+2·6	+8·4	-3·0	-1·7	+2·0	-0·3	-2·9	-13·4	-5·7	-4·5	+1·1	0·0	-1·2	+0·8
June.	+13·9	-7·6	-9·7	+1·2	+0·9	-0·3	+0·3	0·0	-4·0	-18·3	+3·5	+8·2	-2·3	-1·1	+0·2	+0·6	+4·1	-4·9	-5·1	-1·5	+0·7	-0·8	-0·4	-0·1
July.	+16·1	-5·8	-10·0	+0·5	+0·4	-0·9	+0·3	+0·5	-4·3	-16·3	+3·9	+8·0	-2·8	-1·5	+0·1	+1·6	+3·7	-4·1	-5·1	-1·5	+1·0	+0·8	-0·7	-0·3
Aug.	+16·9	-7·6	-9·0	+2·2	+1·2	-2·5	+0·6	-0·2	-7·7	-12·7	+4·5	+8·1	-3·7	-5·0	-0·1	+1·3	-0·2	-7·9	-7·2	-1·4	+2·0	-0·7	-0·2	-0·7
Sept.	+14·7	-3·0	-5·9	+0·5	+0·9	-3·1	-0·3	+0·5	-11·9	-7·3	+5·4	+7·0	-3·0	-1·4	+2·0	+1·8	-2·1	-9·5	-5·2	+0·1	+1·9	+0·2	-0·9	-0·4
Oct.	+13·0	+1·4	-7·0	-1·4	+3·7	-2·5	+0·1	+1·5	-9·5	-4·0	+0·4	+8·0	-1·4	-3·6	+2·3	+2·3	-2·8	-8·0	-3·6	-0·8	+0·9	-0·4	-0·8	-1·1
Nov.	+7·5	+1·4	-4·8	-1·5	+1·5	-1·7	-0·4	+0·6	-6·2	-0·2	+0·3	+5·3	-1·5	-1·3	+1·5	+2·0	-1·1	-5·8	-1·1	+0·6	+0·4	+0·3	-0·8	-0·1
Dec.	+2·1	+3·9	-3·9	-0·1	+2·2	-0·5	+0·1	+0·3	-9·2	+1·0	-1·2	+5·2	-0·4	+0·4	+1·1	+1·3	0·0	-8·1	-1·5	-2·1	-0·2	-0·8	0·0	-0·1
Year	+11·1	-3·1	-7·1	-0·2	+2·0	-1·4	+0·2	+0·7	-8·6	-7·2	+2·3	+7·4	-1·7	-2·3	+0·8	+1·3	-1·0	-8·7	-4·6	-1·7	+0·7	+0·1	-0·5	-0·3
Winter	+5·0	+2·0	-4·4	-1·5	+2·3	-1·3	-0·2	+0·5	-8·7	+0·6	+0·1	+5·6	-0·9	-1·3	+0·3	+1·9	-0·9	-7·3	-1·9	-0·9	+0·1	-0·2	-0·4	-0·4
Equinox	+13·1	-3·2	-7·3	-0·3	+2·5	-2·7	0·0	+1·1	-11·1	-6·2	+3·3	+8·4	-1·2	-3·2	+1·5	+1·2	-3·4	-11·2	-6·0	-2·2	+0·8	+0·3	-0·5	-0·5
Summer	+15·3	-8·1	-9·6	+1·1	+1·2	-0·2	+0·7	+0·5	-6·1	-16·0	+3·6	+8·2	-2·9	-2·3	+0·6	+0·8	+1·2	-7·6	-5·8	-2·2	+1·2	+0·2	-0·6	-0·1
	QUIET DAYS.																							
Year	+9·4	-1·9	-6·6	+0·4	+2·0	-1·1	0·0	+0·8	-3·9	-8·4	+3·3	+6·3	-2·9	-2·1	+1·1	+1·3	+2·4	-1·5	-2·4	-0·4	+1·1	-0·2	-0·6	-0·3
Winter	+3·5	+0·8	-4·6	-1·0	+2·3	-0·8	-0·2	+0·3	-4·2	-2·3	+0·6	+4·7	-1·6	-1·3	+0·8	+1·5	+0·6	-2·3	0·0	-0·5	+0·4	-0·5	-0·4	-0·4
Equinox	+10·4	-1·5	-6·4	+0·1	+2·8	-1·9	-0·1	+1·2	-4·7	-7·5	+3·3	+6·8	-3·5	-3·0	+1·9	+1·4	+2·2	-1·1	-2·6	-0·2	+1·1	+0·1	-1·1	-0·3
Summer	+14·3	-5·1	-8·8	+2·0	+0·8	-0·5	+0·4	+0·8	-2·7	-15·5	+6·0	+7·3	-3·5	-2·1	+0·8	+0·9	+4·3	-1·1	-4·5	-0·5	+1·8	-0·1	-0·5	-0·3
	(DISTURBED DAYS).																							
Year	+12·8	-6·5	-9·1	+0·5	+2·7	-2·0	+0·1	+0·6	-16·3	-5·3	+0·8	+8·9	-2·0	-3·4	+0·4	+1·2	-8·2	-23·0	-9·1	-3·7	+0·5	+1·0	+0·2	-0·7
Winter	+6·7	+1·6	-4·6	-2·0	+1·6	-2·2	-0·6	+0·9	-15·9	+5·8	-1·9	+8·3	-4·0	-1·8	-0·8	+2·9	-4·1	-18·1	-5·6	-2·3	-0·8	+0·4	-0·2	-0·7
Equinox	+16·9	-5·5	-10·3	+0·8	+3·3	-5·9	0·0	+2·0	-20·6	-5·4	+3·4	+9·0	+1·0	-5·4	+1·5	-0·3	-11·8	-28·4	-12·5	-3·8	+0·7	+1·4	+1·0	-1·2
Summer	+14·7	-1·6	-12·4	+2·7	+3·1	+2·1	+1·1	-1·2	-12·5	-16·3	+0·9	+9·2	-1·2	-2·9	+0·4	+0·9	-8·5	-22·5	-9·3	-5·1	+1·7	+1·3	-0·2	0·0

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE.

Values of c_n, α_n in the series $\Sigma c_n \sin (15_n T + \alpha_n)$, T being Mean Local Time reckoned in hours from midnight.

340. Eskdalemuir. 1932.

Month and Season	North Component. c1.	α1.	c2.	α2.	c3.	α3.	c4.	α4.	West Component. c1.	α1.	c2.	α2.	c3.	α3.	c4.	α4.	Vertical Component. c1.	α1.	c2.	α2.	c3.	α3.	c4.	α4.
	(ALL DAYS).																							
Jan.	4·3	68	3·7	238	3·1	143	0·5	17	10·0	283	6·1	353	2·0	240	1·8	355	7·6	191	2·1	247	0·5	214	0·8	221
Feb.	6·7	85	6·2	256	3·4	115	0·6	334	9·4	273	6·6	29	3·2	197	2·7	352	8·0	193	3·2	259	0·4	74	0·8	228
Mar.	10·9	110	7·3	272	3·2	156	1·2	350	14·0	258	10·0	31	4·0	180	1·4	63	14·1	199	8·2	251	0·1	31	0·7	174
Apr.	16·5	123	9·1	279	4·4	134	1·6	39	13·7	228	10·2	25	3·9	202	0·8	131	14·4	202	9·0	247	0·5	73	0·7	295
May	18·2	132	9·8	280	3·8	46	2·3	60	18·6	210	8·8	24	3·4	249	2·1	111	13·7	196	7·2	238	1·1	99	1·4	317
June	15·8	122	9·7	283	0·9	119	0·3	99	18·7	195	8·9	30	2·5	255	0·7	32	6·4	143	5·3	261	1·1	148	0·4	268
July	17·1	113	10·0	280	1·0	165	0·6	38	16·8	198	8·9	32	3·2	252	1·6	16	5·5	141	5·3	259	1·3	61	0·8	256
Aug.	18·5	117	9·2	290	2·7	164	0·7	125	14·9	214	9·3	36	6·2	226	1·3	7	7·9	185	7·3	265	2·1	81	0·7	208
Sept.	15·1	105	6·0	281	3·3	174	0·5	339	14·0	241	8·9	44	3·3	255	2·7	61	9·7	195	5·2	277	1·9	94	1·0	259
Oct.	13·1	87	7·1	265	4·5	134	1·5	18	10·3	251	8·0	7	3·9	211	3·2	59	8·5	203	3·7	263	1·0	75	1·4	230
Nov.	7·6	83	5·0	259	2·3	149	0·8	339	6·2	272	5·3	9	1·9	239	2·5	50	5·9	194	1·2	304	0·5	60	0·8	274
Dec.	4·5	31	3·9	275	2·2	113	0·3	37	9·3	279	5·3	354	0·5	326	1·6	53	8·1	183	2·6	223	0·8	204	0·1	225
Year	11·6	109	7·1	275	2·4	135	0·7	37	11·2	233	7·8	24	2·8	226	1·5	43	8·7	190	4·9	255	0·7	93	0·6	251
Winter	5·4	71	4·6	257	2·7	130	0·5	354	8·7	277	5·6	7	1·6	225	1·9	21	7·4	190	2·1	251	0·2	164	0·6	239
Equinox	13·5	107	7·3	274	3·7	147	1·1	14	12·8	244	9·1	28	3·4	210	1·9	66	11·7	200	6·4	256	0·9	83	0·7	240
Summer	17·3	121	9·7	283	1·2	287	0·9	69	17·1	204	8·9	30	3·8	241	1·0	47	7·7	175	6·2	255	1·2	91	0·6	274
	(QUIET DAYS).																							
Year	9·5	105	6·7	280	2·3	128	0·8	15	9·3	208	7·1	34	3·6	243	1·7	55	2·8	126	2·4	247	1·1	108	0·7	257
Winter	3·6	79	4·7	264	2·4	120	0·4	345	4·8	245	4·7	13	2·1	241	1·7	41	2·4	170	0·5	186	0·6	151	0·5	239
Equinox	10·5	101	6·4	278	3·4	133	1·2	8	8·8	216	7·5	33	4·6	239	2·3	66	2·4	121	2·6	272	1·1	96	1·1	269
Summer	15·2	113	9·0	289	0·9	131	0·9	36	15·7	193	9·5	46	4·1	248	1·2	53	4·5	107	4·5	270	1·8	101	0·6	251
	(DISTURBED DAYS).																							
Year	14·4	120	9·1	307	3·3	137	0·6	22	17·1	255	8·9	11	3·4	193	1·3	31	24·4	203	9·9	254	1·1	37	0·7	177
Winter	6·9	80	5·1	253	2·7	154	1·1	338	16·9	293	8·5	354	1·8	202	3·0	358	18·5	197	6·0	254	0·9	308	0·8	208
Equinox	17·8	111	10·4	281	6·8	160	2·0	12	21·3	259	9·6	27	5·5	179	1·5	113	30·8	206	13·1	260	1·5	35	1·6	153
Summer	21·6	140	12·7	289	3·7	66	1·6	151	20·5	221	9·3	12	3·1	212	1·0	36	24·1	204	10·6	247	2·2	64	0·2	274

341. MEAN VALUES, FOR THE YEARS SPECIFIED, OF THE MAGNETIC ELEMENTS AT OBSERVATORIES IN COMMUNICATION WITH THE ROYAL OBSERVATORY, GREENWICH.

Place.	Latitude.	Longitude.	1932				1931				1930			
			Declination.	Inclination.	Horizontal Force.	Vertical Force.	Declination.	Inclination.	Horizontal Force.	Vertical Force.	Declination.	Inclination.	Horizontal Force.	Vertical Force.
	° ′ N.	° ′	° ′	° ′ N.			° ′	° ′ N.			° ′	° ′ N.		
Sodankylä, Finland ...	67 22	26 39E.					2 45·0E.	76 5·0	12188	49220	2 35·5E.	76 2·4	12228	49216
Lerwick, Shetland Islands ...	60 8	1 11W.	13 46·1W.	72 43·5	14495	46608	13 59·6W.	72 42·3	14517	46623	14 11·2W.	72 41·6	14528	46625
Pavlovsk, Leningrad, U.S.S.R. ...	59 41	30 29E.												
Lovö (Stockholm) Sweden ...	59 21	17 50E.									2 58·5W	71 28·5	15550	46405
Sitka, Alaska ...	57 3	135 20W.	30 10·9E.	74 21·0	15450	55150	30 13·1E.	74 23·5	15454	55194	30 15·6E.	74 22·8	15448	55255
†Swerdlovsk, U.S.S.R. ...	56 50	60 38E.	...	...	...	...	10 54·6E.	72 26·9	16200	51220	10 56·4E	72 24·2	16231	51178
Wyssokaya Doubrawa U.S.S.R. ...	56 44	61 4E.	12 49·9E.	72 8·6	16312	50634	...	...	...	...	...	...	...	...
Copenhagen (in Rude Skov), Denmark ...	55 51	12 27E.	5 39·9W	69 23·1	16855	44805	5 50·4W.	69 20·5	16879	44767	6 0·4W.	69 19·0	16893	44747
Kasan (Sajmistsche), U.S.S.R. ...	55 50	48 51E.	9 9·3E.	70 43·3	16906	48336	9 7·3E.	70 39·1	16953	48279	9 6·8E.	70 36·3	16982	48238
Eskdalemuir, Scotland ...	55 19	3 12W.	14 23·7W.	69 45·0	16571	44916	14 34·8W.	69 43·7	16583	44898	14 47·1W.	69 43·2	16585	44881
Meanook, Alberta, Canada ...	54 37	113 21W.	26 27·2E.	77 54·6	12740	59477	26 33·3E.	*77 54·9	12758	*59587	26 39·2E.	*77 56·1	12755	*59675
Stonyhurst, Lancs., England ...	53 51	2 28W.	13 28·0W.	*68 48·0	17176	*44284	13 39·4W.	*68 47·3	17181	*44271	13 51·1W.	*68 47·8	17190	*44311
†Irkutsk (Zouy), Siberia ...	52 28	104 2E.												
Seddin, Prussia ...	52 17	13 1E.	...	...	...	...	5 28·9W.	66 49·8	18450	43108	5 38·6W.	66 48·3	18456	43072
Swider, Poland ...	52 7	21 15E.					1 49·1W.	67 3·2	18463	43608	1 57·3W.	67 1·1	18476	43565
De Bilt, Utrecht, Holland ...	52 6	5 11E.	9 4·2W.	67 2·3	18264	43107	9 15·7W.	67 0·8	18278	43089	9 26·3W.	67 0·4	18282	43084
Valentia, Cahirciveen, Ireland ...	51 56	10 15W.	*17 5·4W	*67 58·5	*17809	*44024	*17 16·8W.	*67 58·7	*17815	*44048	*17 27·6W.	*67 59·8	*17813	*44081
Bochum, Prussia ...	51 29	7 14E.	8 13·7W.	...	...	...	8 23·8W.	...	...	...	*8 35·2W.	...	...	...
Abinger, Surrey, England ...	51 11	0 23W.	12 2·6W.	66 39·1	18536	42940	12 13·7W.	66 38·1	18543	42923	12 24·6W.	66 38·2	18542	42924
Uccle, Belgium ...	50 48	4 21E.	9 36 W.	...		...	9 46 W.		*18867		9 54·6W.	...	...	...
Val Joyeux, near Paris, France ...	48 49	2 1E.	10 38·0W.	64 43·7	19637	41596	10 49·0W.	64 43·4	19636	41584	10 59·3W.	64 42·0	19631	41529
Maisach, Bavaria ...	48 12	11 15E.	5 59·3W.	*63 39·8	20299	*41005	*6 12·2W.	*63 41·1	*20288	*41022	*6 20·2W.	*63 39·7	*20279	*40963
Vienna, (Auhof) ...	48 12	16 14E.	*3 44·9W	*63 30·8	*20496	*41333	*3 53·2W.	*63 30·5	*20480	*41092	...	...	...	...
Stara Dala, Czecho-Slovakia ...	47 53	18 11E.	3 0·9W.	...	...	...	3 10·3W.	...	...	...	3 18·8W.	...	...	...
Nantes, France ...	47 15	1 34W.	11 43·8W.	63 44·4	20244	41035	11 54·6W.	63 43·3	20241	40995	12 4·6W.	63 43·3	20226	40965
Agincourt, Ontario, Canada ...	43 47	79 16W.	7 35·8W.	74 46·9	15485	56924	7 31·9W.	74 46·3	15520	57010	7 28·1W.	74 46·4	15544	57106
Karsani, U.S.S.R. ...	41 50	44 42E.					4 22·5E.	58 28·4	24596	40097	4 21·7E.	58 24·9	24599	40006
Ebro, Tortosa, Spain ...	40 49	0 30E.	10 2·0W.	57 23·6	23420	36610	10 11·7W.	57 24·1	23415	36616	10 20·1W.	57 25·3	23401	36621
Coimbra, Portugal ...	40 12	8 25W.					*13 45·5W.	*57 52·2	23196	36931	*13 55·3W.	*57 56·4	*23179	*37001
Cheltenham, Maryland, U.S.A. ...	38 44	76 50W.	7 3·6W.	71 11·0	18485	54247	7 0·2W.	71 9·3	18539	54317	6 56·0W.	71 8·4	18583	54403
†San Miguel, Azores Is. ...	37 46	25 39W.	18 18·3W.	*59 37·9	*23334	*39822	18 23·1W.	*59 41·1	*23351	*39936	18 29·4W.	*59 46·6	*23310	*40004
San Fernando, Spain ...	36 28	6 12W.	12 18·0W.	*53 24·2	25144	*33862	12 25·9W.	*53 27·9	25106	*33885	12 32·8W.	*53 29·9	25072	*33881
Kakioka, Japan ...	36 14	140 11E.	5 44·3W.	49 28·7	29722	34778	5 42·8W.	49 27·7	29733	34765	5 42·4W.	49 27·8	29713	34746
Tsingtao, China ...	36 4	120 19E.	4 32·1W.	52 5·1	30892	39662	4 32·1W.	*52 5·1	30880	*39646	4 32·8W.	52 6·8	30868	39673
Tucson, Arizona, U.S.A. ...	32 15	110 50W.	13 50·8E.	59 39·0	26362	45023	13 49·5E.	59 37·5	26399	45038	13 47·7E.	59 37·0	26432	45081
Lukiapang, Shanghai, China ...	31 19	121 2E.	*3 36·2W.	*45 27·6	*33320	*33860	3 35·3W.	*45 23·2	33306	*33758	3 35·8W.	45 25·3	33262	33755
Dehra Dun, United Provinces, India. ...	30 19	78 3E.	1 5·4E.	45 37·3	33036	33759	1 8·6E.	45 35·9	33001	33698	1 12·0E.	45 34·5	32963	33631
Helwan, Egypt ...	29 52	31 21E.	*0 4·6W.	*41 46·7	*30143	*26931	0 9·1W.	41 45·3	30130	26897	0 14·0W.	41 43·0	30078	26814
Hong Kong (Au Tau), China ...	22 27	114 3E	0 43·7W.	*30 33·1	37529	*22160	*0 43·3W.	*30 34·4	*37522	*22164	*0 43·6W.	*30 37·3	*37485	*22187
Honolulu, Hawaii ...	21 19	158 4W.	10 5·0E.	39 21·0	28543	23404	10 4·4E.	39 24·4	28551	23458	10 4·3E.	39 29·2	28542	23516
Teoloyucan, Mexico ...	19 45	99 11W.	9 30·6E.	47 2·1	31102	33394	*9 27·2E.	*46 57·7	*31162	*33375	9 25·4E.	46 54·1	31202	33342
Alibag, Bombay, India ...	18 38	72 52E.	0 12·7W.	25 30·6	37364	17830	0 10·5W.	25 30·3	37323	17806	0 8·0W.	25 30·6	37253	17777
San Juan, Porto Rico ...	18 23	66 7W.	5 6·5W.	52 34·2	27397	35794	4 58·8W.	52 30·2	27451	35780	4 50·5W.	52 29·2	27493	35813
Antipolo, Philippine Is. ...	14 36	121 10E.	*0 27·9E.	*15 49·2	*38271	*10843	* 0 27·3E.	*15 48·2	*38270	*10832	* 0 26·7E.	*15 47·2	*38244	*10812
	S.			S.				S.				S.		
Batavia (Kuyper), Java ...	6 2	106 44E.	*1 2·3E.	*32 20·8	*36895	*23366	*0 57·8E.	*32 19·8	*36862	*23330	0 54·7E.	32 16·6	36846	23272
				N.				N.				N.		
Huancayo, Peru ...	12 3	75 20W.	7 25·6E.	1 58·4	29617	01021	7 30·8E.	1 50·3	29622	00951	7 36·5E.	1 42·7	29614	00865
				S.				S.				S.		
Apia, Samoa ...	13 48	171 46W.	10 36·5E.	*30 13·6	35116	*20460	10 35·2E	*30 9·3	35171	*20434	10 34·2E.	30 7·9	35196	20426
Mauritius ...	20 6	57 33E.	12 28·4W.	52 42·3	22642	29726	12 17·2W.	52 38·3	22673	29696	12 5·5W.	52 39·6	22697	29750
La Quiaca, Jujuy, Argentina ...	22 6	65 36W.	4 24·2E.	12 21·6	26241	05750	4 31·7E.	12 22·8	26256	05763	4 40·7E.	12 23·8	26266	05774
Vassouras, Brazil ...	22 24	43 39W.	12 57·1W.	17 20·6	24072	07518	12 49·5W.	17 11·3	24112	07459	12 42·4W.	17 5·2	24146	07422
Watheroo, West Australia ...	30 19	115 52E.	3 58·5W.	64 19·2	24652	51267	4 3·2W.	64 18·0	24646	51215	4 8·0W.	64 17·7	24633	51174
Pilar, Cordova, Argentina ...	31 40	63 53W.	6 11·4E.	25 53·6	24607	11945	6 18·9E.	25 51·2	24661	11950	6 26·8E.	25 50·6	24695	11961
Toolangi, Victoria, Australia ...	37 32	145 28E.	*8 27·0E.	*67 51·1	*22884	*56220	*8 24·5E.	*67 51·1	*22890	*56232	8 20·8E.	67 51·5	22872	56208
Christchurch, New Zealand ...	43 32	172 37E.	...	...	...	...	...	...	...	...	17 48·3E.	68 18·3	22108	55570
Christchurch (Amberley), N.Z. ...	43 10	172 43E.	17 57·3E.	67 58·2	22347	55227	17 54·4E.	67 57·7	22360	55236	17 51·0E.	67 58·5	22350	55247

Notes. - * Results derived from absolute observations only. † A local anomaly is known to exist at the site of the observatory.

Abinger. - The values of Inclination and Vertical Force depend upon direct measurement of the vertical component of the earth's field, with a coil-magnetometer.
Swerdlovsk Observations were discontinued at the end of 1931.
Seddin Observations were discontinued at the end of 1931.
Sitka. - Results for 1930 are estimated from 8 months' observation, January - August.
Swerdlovsk.- The mean values for 1930 and 1931 are derived from continuous records at Wyssokaya Doubrawa and absolute observations at Swerdlovsk.
Tucson. 1932 The results relate to the first half of the year.
Apia. 1930 The results relate to the first half of the year.
Vassouras. - 1930: March omitted. 1931: April, May, June omitted. 1932: December omitted.

Erratum: Table in Year-book for 1931. Lukiapang Declination in 1931 For "E". read "W".

342. REVISED VALUES FOR EARLIER YEARS.

Place.	Latitude	Longitude	1929 Declination	Inclination	Horizontal Force.	Vertical Force.
Lukiapang, China	31 19 N.	121 2E.	3 35·8W.	45 25·5N.	33269	33765
Vassouras, Brazil	22 24 S.	43 39W.	12 34·8W.	16 53·2S.	24175	07339

M.O. 360
(Cahirciveen)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

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

CAHIRCIVEEN (VALENTIA OBSERVATORY)

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1934

CAHIRCIVEEN (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 Tube Anemograph	30

"Heights in metres above Ground".

Thermometer Bulbs	1·3
Sunshine Recorder	12·8
Robinson Cup Anemograph	14
Dines Tube Anemograph	13
Beckley Rain-gauge Rim	0·5

INTRODUCTION.

SITE.

Valentia Observatory derives it 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 (1½ km.) from the Observatory. Beyond the town of Cahirciveen to the north-east the river opens out considerably, and the country in this direction becomes an open boggy basin, rising by only a gentle gradient. Southward of this, however, it soon rises again, and at about a mile south-east of the Observatory it culminates in the hill Bentee upwards of 1,245 feet (380 m.) in height. Still further south it opens out once more to a distance of nearly 5 miles

(8 km.) from the Observatory, where there is a range of hills running east and west, and varying in height from from 400 (120 m.) to 1,300 feet (400 m.). To the south-west there is an opening to the sea, between Valentia Island and the mainland; and the circle of hills is completed by those on the island itself, the highest of which is about 800 feet (240 m.) high, and bears about west-south-west from the Observatory. Photographs of the Observatory building, together with a site plan, showing the disposition of the various instruments were reproduced in the introduction to the 1928 volume.

METEOROLOGY.

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

"Pressure and Temperature."—The photographic barograph and thermograph are installed in a room on the ground floor of the Observatory tower. The standard Fortin barometer, from which the control readings at 9h, 15h and 21h are taken, is mounted in the same room beside a window which faces the north-east. The stems of the dry and wet bulb thermometers pass out into the screen placed against the north wall of the tower. Close to the bulbs of these thermometers are the bulbs of the standard thermometers from which the control readings at 9h, 15h and 21h are taken.

"Rainfall."—The Beckley rain-gauge and the 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 tube anemograph. A comparison between the mean velocities as recorded by this tube anemograph and the cup anemograph is given in the General Introduction. A new Dines tube anemograph with 1-inch connecting pipes, was brought into use as from January 1st 1932. The new instrument was erected alongside the old instrument with its head at the same height: a comparison extending over the period May, 1931, to January, 1932, showed that the new instrument recorded higher velocities than the old. In hourly mean values the difference was nearly uniform and equal to ·4 m/s or 1 mi/hr. In great velocities the increase was approximately 12 per cent of the velocity recorded by the old instrument.

The site of the pressure tube anemographs is in an open field, about 250 metres S E by E of the Observatory tower. About 1 mile (1½ km.) to the south-east is the highest point (1,245 feet) of the hill Bentee which extends for some little distance in a northerly and south-westerly direction. A description of the surrounding country has already been given.

In a few instances where records of the Dines tube anemograph 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.
	Metres.	Metres.		
A	25	25	350°	Gate near workshop.
B	50	50	345°	White post in fence of instrument enclosure.
C	100	100	125°	Hedge at S. end of vegetable garden.
D	200	200	330°	Notice board on beach.
E	500	475	100°	Bungalow.

LANDWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY (Contd.).

Indication letter of object.	Standard distance of object.	Actual distance of object	Bearing of object in degrees from N.	Description of object
	Metres.	Metres.		
F	1,000	1,100	50°	Parsonage.
G	2,000	1,910	55°	Wireless school.
Intermediate object.	-	3,500	20°	Top of Castlequin Mountain
h	4,000	-	-	No object available. (Top of Castlequin well visible.)
I	7,000	7,600	40°	Top of Knocknadober Mountain
J	10,000	10,000	220°	Kilkeaveragh Mountain.
Intermediate object	-	17,000	55°	Drung Hill.
k	20,000	-	-	No object available. (Drung Hill well visible.)
l	30,000	-	-	No object available.
m	50,000	-	-	No object available.

SEAWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY.

F	1,000	1,000	235°	Farmhouse on skyline.
G	2,000	2,200	265°	Laght Point.
H	4,000	3,760	280°	Black Rock.
I	7,000	6,500	250°	Ridge between two hills on Valentia.
J	10,000	10,000	220°	Kilkeaveragh mountain.
k	20,000	-	-	No object available.
Intermediate objects	- -	23,500 25,500	320° 325°	Mount Eagle. Croaghmarhin Mountain.
l	30,000	-	-	No object available. (Croaghmarhin well visible.)
m	50,000	-	-	No object available. (Croaghmarhin exceptionally visible.)

Two observations, one in a landwards direction, the other in a seawards direction, are made at each hour of observation. The position of the Observatory is such that a distinction between visibility landwards and seawards cannot be made when the range of visibility is less than 1,000 yards. Objects corresponding with the letters A to E have therefore been included in the table of landwards objects only. Kilkeaveragh Mountain is used as both a landwards and seawards object corresponding with J.

Entries of "l" and "m" for visibility in a landwards direction are made:-

(a) When Croaghmarhin Mountain (see table of seawards objects) is clearly visible and there is reason to believe that the range of visibility in a landwards direction is as good as, or nearly as good as, visibility seawards.

(b) When Croaghmarhin Mountain is invisible but there is reason to believe from the appearance of Drung Hill that the range of visibility landwards is greater than the range seawards and is sufficiently good to justify the entry made.

When the mountains used as objects at 3,500 metres and beyond are cloud capped the appropriate entries for the range of visibility are determined by the clearness or otherwise with which the lower parts of the mountains can be seen.

The Observatory is far removed from smoky industrial areas; the observations are therefore not much affected by smoke pollution of the atmosphere.

Notes on the Meteorological Summaries.

"The Weather of 1932".—The year was notable for a deficiency of sunshine expecially in the summer months: from April to November sunshine was less than normal each month, the deficiency amounting to as much as 2·8 hours a day in July. January was unusually mild and February unusually dry. The year was less windy than usual but a record high velocity in a gust occurred on Decmeber 31st when 43 m/s (96 m.p.h.) was reached.

"Pressure".—No change in the values used for reducing pressure at station level to pressure at mean sea level was made at Valentia Observatory by the introduction in 1928 of the revised scheme as set out in the General Introduction.

Mean pressure for the year was one millibar above normal. Of the monthly mean pressures seven were higher and five lower than normal. The departures ranged from an excess of twenty millibars in February to a deficiency of four millibars in October.

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 1871-1915. The coefficients are given to the nearest ·001 mb. and the phase angles to the nearest 1° except for the third and fourth components in which case the values referring to the current year are taken to the nearest 5° only.

"Temperature".—Mean temperature for the year 1932 was 0·5°A (0·9°F.)

above normal. For the individual months January, with an excess of 2·3°A (4·2°F.) showed the greatest departure.

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 1871-1915. The coefficients are given to the nearest ·001°A and the phase angles to the nearest 1° except for the third and fourth components in which case the values referring to the current year are taken to the nearest 5° only.

"Rainfall".—The total rainfall for the year was 12 per cent. below normal, the actual deficit being 169 millimetres. The month with the highest rainfall was December, with 210 millimetres, this amount being 24 per cent more than normal. The lowest monthly total was that for February, the 11 millimetres which fell during that month being 9 per cent. of the normal amount.

"Bright Sunshine".—The total amount of bright sunshine for the year 1932 was about 16 per cent. less than the normal. Three months only had more than average sunshine, the greatest excess being about 24 per cent. for December. The most notable deficiency was for July the total sunshine for this month being 45 per cent. of normal.

"Cloud and Weather".—The mean amount of cloud at all observation hours was 7·6. The most cloudy month was July, with mean cloud amount of 8·9. The month with least cloud was March with a mean of 6·3.

"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 table:-

Date	Hour	Visibility Landwards	Visibility Seawards
Jan. 5	18	J	k
" 18	15	J	k
" 19	13	J	k
" 24	15	J	l
Feb. 27	13	J	k
" 27	15	J	k
Mar. 20	9	J	I
" 21	18	J	I
" 24	9	J	k
Apr. 2	7	J	k
" 16	9	I	J
May 17	18	h	I
" 28	9	J	k
June 1	18	I	J
" 15	7	I	G
July 6	15	G	H
" 8	7	J	k
" 13	18	J	k
" 13	21	J	k
" 15	18	I	H
" 19	21	h	I
" 23	7	J	I
" 25	13	J	l
" 29	9	J	k
Aug. 2	15	J	I
" 2	18	J	k
" 7	15	k	J
Aug. 8	13	J	k
" 8	15	J	l
" 12	9	I	J
" 16	7	h	G
" 16	13	G	F
" 16	15	G	E
" 16	18	J	E
" 17	13	J	G
" 17	18	I	H
" 28	13	I	k
" 28	15	I	J
Sept. 5	13	h	G
" 9	9	J	l
" 12	7	G	I
" 12	18	I	H
" 13	7	G	H
" 13	13	h	G
" 16	9	J	l
" 17	13	h	G
" 17	18	I	H
" 22	13	J	k
Oct. 7	15	J	k
Nov. 3	13	I	H
" 11	9	I	J
" 18	15	J	k
Dec. 27	9	J	k

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE 1932

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	-	
Control Rain-gauge	M.O. 402	
Glass for Control Rain-gauge	M.O. 1504	
Campbell Stokes Sunshine Recorder	M.O. 5	
Robinson Cup Anemograph	Beck 46	
Dines Tube Anemograph	-	
Grass Minimum Thermometer	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
Earth Thermometer 4 ft.	M.O.24005	Corrections { 273° A Nil. 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."

Cahirciveen (Valentia Observatory), Longitude 10° 15′ W.

Values of c_n x_n in the series $\Sigma c_n \sin (15nt^0 + x_n)$, t being Local Mean Time reckoned in hours from midnight.

Month or Season	c_1		x_1		c_2		x_2		c_3		x_3		c_4		x_4	
	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
January	·696	·098	80	174	·339	·319	166	153	·157	·157	0	351	·071	·071	225	207
February ..	·162	·122	71	203	·410	·344	154	148	·128	·119	345	343	·032	·043	120	95
March	·115	·114	163	149	·357	·352	155	149	·068	·048	255	340	·044	·038	35	51
April	·090	·098	360	191	·362	·310	155	149	·059	·032	145	181	·041	·035	15	15
May	·055	·172	14	178	·225	·277	148	147	·083	·074	160	166	·020	·014	290	350
June	·041	·192	240	200	·256	·255	142	146	·083	·075	155	160	·031	·002	25	11
July	·271	·242	187	183	·296	·251	138	143	·053	·079	150	163	·015	·013	305	16
August	·192	·237	179	190	·280	·281	150	145	·079	·052	185	161	·058	·034	360	350
September ..	·255	·195	165	203	·408	·346	154	153	·020	·005	255	49	·041	·044	10	10
October	·046	·194	289	199	·167	·335	190	161	·053	·073	10	1	·018	·013	10	69
November ..	·186	·071	152	179	·347	·347	166	161	·101	·133	10	5	·030	·035	155	167
December ..	·359	·167	181	186	·347	·311	165	160	·102	·162	355	357	·048	·075	200	196
Arithmetic Mean	·206	·159	..	..	·316	·311	..	..	·082	·084	..	..	·037	·035	..	..
Year	·115	·150	138	189	·309	·307	156	151	·025	·034	15	3	·009	·004	10	83
Winter	·249	·112	111	187	·358	·329	162	156	·121	·142	360	355	·034	·043	190	181
Equinox	·065	·142	168	190	·316	·335	159	153	·018	·014	15	308	·035	·030	20	29
Summer	·110	·209	187	188	·263	·266	144	145	·072	·070	160	163	·029	·015	355	355

TABLE B.

TEMPERATURE.

"Diurnal Variation of ~~Barometric Pressure~~ Fourier Coefficients."

Cahirciveen (Valentia Observatory), Longitude 10° 15′ W.

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

Month or Season.	c_1		x_1		c_2		x_2		c_3		x_3		c_4		x_4	
	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915	1932	1871-1915
	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°	°A	°A	°	°
January	·495	·496	230	239	·274	·269	51	52	·096	·114	235	226	·060	·025	125	43
February ..	1·292	·820	230	235	·435	·377	35	53	·135	·085	215	231	·082	·032	170	203
March	1·519	1·351	236	234	·446	·420	42	59	·080	·036	110	335	·079	·091	180	215
April	1·615	1·806	237	239	·253	·369	93	70	·150	·143	35	43	·039	·063	290	240
May	1·663	2·126	240	241	·227	·194	124	99	·240	·246	65	57	·083	·031	320	315
June	2·481	2·072	246	242	·377	·117	161	91	·311	·206	50	60	·100	·022	345	15
July	1·152	1·873	241	242	·201	·163	70	68	·081	·197	70	55	·048	·003	350	23
August	1·556	1·780	242	242	·307	·304	92	67	·105	·168	20	48	·055	·032	250	250
September ..	1·290	1·607	240	241	·305	·468	77	69	·093	·071	345	23	·040	·102	215	233
October	1·173	1·131	244	241	·266	·424	65	67	·104	·076	295	278	·072	·071	250	239
November ..	·431	·716	246	239	·344	·354	65	63	·052	·120	260	253	·056	·022	155	105
December ..	·203	·446	270	234	·258	·272	54	57	·153	·103	230	240	·025	·032	80	60
Arithmetic Mean	1·239	1·352	..	..	·308	·311	..	..	·133	·130	..	..	·062	·044	..	..
Year	1·230	1·348	240	240	·251	·325	73	66	·040	·037	20	42	·015	·044	235	231
Winter	·583	·619	236	237	·319	·317	50	56	·106	·104	230	238	·043	·014	145	86
Equinox	1·396	1·472	239	239	·300	·419	65	66	·034	·054	340	9	·045	·081	225	228
Summer	1·704	1·963	243	242	·229	·191	117	78	·177	·203	55	56	·059	·013	325	306

NOTE.—The seasonal means are derived from the following grouping 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 1932.

Absolute observations of declination, horizontal force and inclination were made weekly at Valentia Observatory during the year 1932. 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 observation were 10·22 for declination, 11·43 for horizontal force and 14·29 for inclination, all according to Greenwich Mean Time. In the individual observations the greatest departure from the mean time in any element was 5 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 1932 was computed from the mean deflections for 30 cm. and 40 cm. for the seven years 1925-1931 inclusive. The mean P so obtained was 7·70. 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′·4 as compared with 1931. From 1930 to 1931 the decrease was 10′·8 and in the previous 12 months 9′·7. The average annual decrease for five year periods since 1910 is as follows:—

1910-15	1915-20	1920-25	1925-30	1927-32
8′·2	9′·2	11′·1	11′·0	10′·8

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′·2 from 1931 to 1932. 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 and in 1931 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).
1920-21	8γ increase.
1921-22	1γ "
1922-23	3γ "
1923-24	2γ "
1924-25	5γ decrease.
1925-26	14γ "
1926-27	2γ increase.
1927-28	11γ decrease.
1928-29	5γ "
1929-30	8γ "
1930-31	2γ increase
1931-32	6γ 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	1927-32
49γ	33γ	32γ	20γ	20γ

The total force has continued to decrease, but at a rate which is apparently diminishing gradually. 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 proportionally 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.

"Cahirciveen (Valentia Observatory). Absolute Magnetic Observations, 1932".

Latitude 51° 56′ N. Longitude 10° 15′ W.

Date	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′
January 1 ..	17 13·6	17809	68 0·9
" 8 ..	17 13·5	17827	67 59·0
" 15 ..	17 15·4	17818	67 58·9
" 22 ..	17 9·7	17827	67 58·3
" 29 ..	17 11·3	17807	67 59·1
February 5 ..	17 10·1	17815	67 59·5
" 12 ..	17 10·6	—	67 59·7
" 19 ..	17 13·3	17815	67 57·7
" 26 ..	17 8·7	17809	67 59·4
March 4 ..	17 9·4	17785*	67 58·6
" 11 ..	17 10·2	17807	67 59·3
" 18 ..	17 9·4	17817*	67 59·2
" 24 ..	17 5·9	17810	67 57·7
April 1 ..	17 7·7	17803	67 58·6
" 8 ..	17 7·3	17789	67 59·1
" 15 ..	17 5·8	17791*	67 58·1
" 22 ..	—	17812*	67 58·4
" 25 ..	17 7·4	—	—
" 29 ..	17 4·4	17805	67 58·6
May 6 ..	17 5·2	17784	67 59·5
" 13 ..	17 4·1	17802	67 58·3
" 20 ..	17 5·4	17808	67 58·1
" 27 ..	17 6·1	17812*	67 59·1
June 3 ..	17 6·3	17807	68 0·0
" 10 ..	17 4·4	17786*	67 59·2
" 17 ..	17 5·0	—	67 57·3
" 24 ..	17 2·8	17822	67 57·5

Date	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′
July 1 ..	17 5·1	17809	67 56·8
" 8 ..	17 4·5	17801*	67 58·3
" 15 ..	17 3·5	17817	67 56·9
" 22 ..	17 4·2	17805	67 57·9
" 29 ..	17 3·2	17823	67 57·7
August 5 ..	17 6·7	17794*	67 58·1
" 12 ..	17 2·4	17817	67 56·5
" 19 ..	17 1·1	17809	67 58·2
" 26 ..	17 3·0	17814	67 59·0
September 2 ..	17 5·6	17810	67 58·9
" 9 ..	17 4·5	17805	67 58·4
" 16 ..	17 4·5	17804	67 58·3
" 23 ..	17 11·7*	17782	68 0·3
" 30 ..	17 2·9	17810	67 59·4
October 7 ..	17 0·7	17809	67 56·8
" 14 ..	17 4·3	17803	67 58·3
" 21 ..	17 5·1	17778	67 59·6
" 28 ..	17 0·2	17809	67 58·2
November 4 ..	17 0·6	17807	67 57·9
" 11 ..	17 1·2	17814	67 58·6
" 18 ..	17 0·6	17814	67 59·6
" 25 ..	17 0·8	17829	67 57·8
December 2 ..	17 0·2	17820	67 57·7
" 9 ..	17 2·3	17808	67 58·6
" 16 ..	17 2·3	17803	67 58·5
" 23 ..	17 2·3	17827	67 57·8
" 30 ..	16 59·6	17823	67 58·3

* Disturbance at these times. Values not utilised in computing means given in Table D.

TABLE D.

"Valentia Observatory, Cahirciveen."

Magnetic Data for the Year 1932

1932	Declination (West)	Inclination (North)	Horizontal Force	North	West	Vertical	Total
	° ′	° ′	γ	γ	γ	γ	γ
January ..	17 12·7	67 59·2	17818	17020	5272	44073	47539
February ..	17 10·7	67 59·1	17813	17018	5261	44054	47519
March	17 8·7	67 58·7	17809	17018	5250	44032	47497
April	17 6·5	67 58·6	17799	17011	5236	44002	47465
May	17 5·2	67 58·7	17798	17012	5229	44007	47468
June	17 4·6	67 58·5	17815	17030	5232	44039	47506
July	17 4·1	67 57·5	17813	17029	5228	43998	47467
August ..	17 3·3	67 57·9	17813	17030	5224	44014	47481
September ..	17 4·4	67 59·0	17802	17018	5226	44026	47489
October ..	17 2·6	67 58·2	17800	17018	5217	43991	47456
November ..	17 0·8	67 58·5	17816	17036	5213	44040	47507
December ..	17 1·3	67 58·2	17816	17035	5216	44028	47496
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, 1929 ..	17 37·3	67 59·6	17821	16985	5395	44093	47559
Year, 1928 ..	17 48·0	67 59·3	17826	16973	5449	44096	47563
Year, 1927 ..	17 59·5	67 59·2	17837	16965	5509	44119	47588
Year, 1926 ..	18 10·8	68 0·1	17835	16945	5565	44147	47612
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.

Readings in millibars at exact hours, Greenwich Mean Time.

343. Cahirciveen (Valentia Observatory): H_b (height of barometer cistern above M.S.L.) = 13·7 metres. January, 1932.

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
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	013·2	013·0	013·1	012·8	012·4	012·0	012·0	011·7	011·4	011·3	011·7	011·7	011·6	011·6	011·6	011·9	012·1	012·3	012·4	012·6	012·6	012·7	012·7	012·6	012·2
2	012·3	011·9	011·8	011·6	011·2	010·9	010·5	010·6	011·0	011·3	011·8	011·7	011·4	011·3	011·3	011·5	011·7	011·6	011·9	012·3	012·4	012·7	012·8	013·0	011·7
3	012·8	012·8	013·0	012·7	012·7	012·8	012·8	013·0	013·2	013·8	014·1	014·1	013·9	013·8	013·7	013·9	014·1	014·3	014·6	014·9	015·1	015·1	014·8	014·7	013·7
4	014·3	014·0	013·6	012·6	011·9	011·1	010·1	009·8	009·0	008·0	006·9	005·1	004·8	006·0	006·7	008·0	009·1	010·3	011·6	012·5	012·9	013·2	013·2	013·0	010·4
5	012·6	011·8	011·2	009·5	008·0	006·4	004·9	003·3	003·1	002·8	001·9	001·1	000·2	998·9	998·2	998·2	998·0	997·8	997·7	997·2	996·7	995·9	995·1	994·0	002·3
6	993·6	993·1	992·5	991·6	989·5	988·9	988·0	987·1	985·6	984·5	981·7	980·5	979·2	982·3	983·1	984·5	987·0	988·8	991·0	993·0	994·2	995·5	996·1	996·4	988·6
7	996·4	996·3	996·4	996·6	996·5	996·2	996·2	996·2	996·3	996·6	996·7	996·3	996·1	996·0	995·9	996·1	996·2	996·5	996·5	996·7	997·0	997·1	997·5	997·9	996·5
8	997·9	998·3	998·8	998·9	999·2	999·6	000·0	000·4	000·9	001·8	002·2	002·0	001·4	001·2	001·3	001·4	001·4	001·3	001·2	001·3	001·0	000·4	999·5	998·6	000·4
9	997·3	996·5	995·2	992·9	991·1	988·9	986·9	985·4	984·0	983·6	982·8	981·0	980·1	979·4	978·8	979·2	979·4	979·1	979·2	978·6	978·2	977·2	976·3	976·1	984·1
10	975·3	974·7	974·3	973·8	972·9	973·6	974·2	975·0	975·7	976·4	977·0	976·8	976·9	977·2	977·7	978·3	978·9	979·5	979·9	980·2	980·7	981·0	981·2	981·7	977·1
11	981·8	981·9	982·0	981·9	982·3	982·5	982·8	984·3	986·4	987·5	989·7	990·5	991·3	992·3	993·4	994·8	995·9	997·0	998·0	999·0	999·3	000·2	000·6	000·8	990·3
12	001·7	001·6	001·4	000·9	000·8	000·1	999·7	998·7	997·8	996·6	994·7	993·5	991·2	989·9	988·5	987·3	987·0	986·8	986·7	986·3	986·0	985·2	984·3	983·8	993·3
13	983·6	984·5	984·9	985·1	985·6	987·5	990·1	991·4	992·6	993·0	993·8	993·8	993·9	995·6	997·4	999·4	001·4	003·6	005·2	006·4	007·2	008·2	008·5	009·0	995·4
14	008·1	007·5	006·8	006·2	004·8	003·7	002·6	001·6	000·7	999·9	999·0	997·5	996·1	994·4	992·9	993·0	991·2	990·2	992·0	994·5	996·4	997·8	999·2	001·0	999·2
15	001·6	002·7	003·4	004·8	005·6	006·7	007·2	008·0	008·6	009·2	009·3	008·5	006·7	005·3	004·9	004·9	004·7	004·6	004·8	005·1	005·3	005·5	005·8	005·8	005·7
16	005·5	005·2	005·2	004·2	003·4	002·3	000·9	999·8	998·7	998·6	998·4	998·7	999·3	000·0	999·7	999·2	998·2	996·0	997·3	998·0	998·7	999·1	000·9	003·9	000·5
17	006·3	007·7	009·0	010·5	012·0	012·6	013·2	013·7	013·8	013·5	013·3	013·6	013·0	012·5	012·2	012·5	012·5	012·7	012·5	012·9	012·8	013·2	013·1	013·2	012·0
18	013·2	013·2	013·8	014·0	013·9	014·2	015·2	016·0	016·5	017·0	017·2	017·5	017·6	017·4	017·4	017·8	018·5	018·8	019·0	019·3	019·6	019·9	020·3	020·3	016·8
19	020·1	020·1	020·2	020·5	020·7	020·6	021·0	021·3	021·4	021·8	022·4	022·2	022·0	021·9	022·1	022·3	022·4	022·6	022·9	023·2	023·5	023·6	023·5	023·3	021·8
20	022·9	023·0	023·1	023·5	023·9	023·9	023·7	023·8	024·0	024·4	024·6	024·5	023·8	023·4	023·3	022·9	022·9	022·9	023·0	022·9	022·7	022·5	022·0	021·9	023·3
21	021·4	021·0	020·9	021·1	020·9	020·5	020·3	020·8	020·9	020·7	020·6	020·1	019·7	019·4	019·3	019·4	020·0	020·4	020·6	021·0	021·4	022·0	022·8	023·1	020·7
22	023·4	024·4	024·9	025·1	025·1	025·9	026·3	026·7	027·4	028·1	029·0	028·9	028·4	028·0	028·2	028·4	028·3	028·8	029·0	029·2	029·8	029·7	029·7	030·0	027·5
23	030·1	030·1	030·0	030·2	030·1	030·2	030·1	030·2	030·5	031·3	031·9	031·8	031·1	030·6	030·5	030·6	030·2	030·2	030·2	030·2	030·2	029·5	029·3	028·9	030·4
24	028·1	027·5	027·1	026·3	025·5	025·1	025·2	024·9	025·3	025·6	025·8	025·8	026·1	026·2	027·0	027·9	028·8	029·9	031·0	032·0	032·9	033·9	034·9	035·8	028·1
25	036·4	037·2	037·9	038·6	039·0	039·9	040·4	040·9	041·4	041·6	041·4	041·1	040·8	040·5	040·5	040·5	040·7	041·0	041·4	041·5	041·3	041·3	041·3	041·2	040·2
26	040·8	040·9	040·6	040·7	040·8	041·1	041·2	041·7	042·3	042·7	043·0	043·0	042·7	042·5	042·3	042·2	042·4	042·6	042·7	042·3	042·3	042·8	043·0	042·9	042·0
27	042·4	042·3	041·8	041·6	041·6	041·6	041·9	041·9	042·0	041·9	041·6	041·6	040·9	040·7	040·6	040·4	040·4	040·4	040·2	040·1	039·7	039·3	039·0	038·6	041·0
28	037·9	037·2	036·6	036·0	035·5	035·0	034·6	034·5	034·7	034·6	034·2	033·8	032·8	032·0	031·7	031·7	031·8	031·8	031·9	032·1	032·1	032·0	031·9	031·7	033·8
29	031·7	031·4	031·6	031·6	031·7	031·6	031·5	032·0	032·4	032·9	033·2	033·4	033·4	033·4	033·5	033·9	034·4	035·1	035·5	035·9	036·3	036·7	036·9	037·2	033·5
30	037·4	037·4	037·7	037·7	037·7	037·8	038·0	038·5	039·0	039·6	040·0	039·8	039·4	039·3	039·1	039·2	039·5	040·0	040·2	040·5	040·8	041·1	041·2	041·4	039·2
31	041·3	041·1	041·2	041·1	041·3	041·6	041·8	042·3	042·9	043·3	043·7	043·5	043·1	042·5	042·4	042·4	042·6	043·0	043·2	043·4	043·5	043·6	043·5	043·3	042·5
Mean (Station level)	1014 ·24	1014 ·20	1014 ·19	1014 ·02	1013 ·79	1013 ·70	1013 ·65	1013 ·75	1013 ·85	1014 ·00	1013 ·99	1013 ·66	1013 ·19	1013 ·08	1013 ·07	1013 ·35	1013 ·61	1013 ·87	1014 ·30	1014 ·68	1014 ·93	1015 ·09	1015 ·19	1015 ·33	1014 ·01
Mean (Sea level)	1015 ·92	1015 ·88	1015 ·87	1015 ·70	1015 ·47	1015 ·38	1015 ·33	1015 ·43	1015 ·53	1015 ·68	1015 ·67	1015 ·34	1014 87	1014 ·76	1014 ·75	1015 ·03	1015 ·29	1015 ·55	1015 ·98	1016 ·36	1016 ·61	1016 ·77	1016 ·87	1017 ·01	1015 ·69

344. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. February, 1932.

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
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	043·0	042·6	042·3	042·0	042·0	041·8	041·9	042·0	042·1	042·3	042·4	042·3	042·0	041·5	041·3	041·3	041·4	041·5	041·4	041·6	041·6	041·4	041·3	041·3	041·9
2	041·2	040·6	040·5	040·3	040·1	040·3	040·4	040·5	040·8	040·8	040·7	040·5	039·9	039·2	038·7	038·5	038·5	038·6	038·8	038·7	038·7	038·6	038·7	038·5	039·7
3	038·4	038·2	037·8	037·3	037·1	036·9	036·6	036·4	036·5	036·7	036·6	036·4	036·0	035·4	034·8	034·2	034·0	033·9	033·9	033·9	033·8	033·6	033·2	033·0	035·7
4	032·5	031·8	031·4	031·0	030·6	030·2	029·6	029·4	029·5	029·4	029·5	029·2	028·5	028·0	027·3	026·8	026·4	026·3	026·2	025·9	025·7	025·7	025·2	025·1	028·5
5	024·7	024·4	024·4	024·1	023·6	023·7	023·5	023·7	024·0	024·2	024·6	024·9	024·5	024·5	024·6	024·8	025·2	025·5	026·0	026·6	026·9	026·9	026·7	026·4	024·9
6	026·3	027·0	026·3	026·0	025·9	025·5	024·9	024·9	024·7	024·4	023·7	023·1	022·3	021·8	021·1	020·8	020·7	020·5	020·5	019·9	019·7	019·0	018·7	019·0	022·9
7	018·9	018·8	018·5	018·5	018·5	018·5	018·7	018·9	019·2	019·7	020·2	020·7	021·0	021·1	021·1	021·7	022·3	022·6	023·0	023·3	023·9	024·2	024·7	024·6	020·8
8	024·7	024·9	024·9	024·9	025·1	024·9	024·9	024·8	025·1	025·2	025·3	025·1	025·0	024·6	024·2	024·0	024·1	024·0	023·9	024·0	024·1	024·0	023·6	023·3	024·6
9	022·9	022·2	022·1	022·1	022·0	021·6	021·3	021·2	021·4	021·4	021·2	020·9	020·6	020·1	020·3	020·5	020·9	021·4	021·9	022·3	022·5	022·9	023·1	023·3	021·7
10	023·2	023·4	023·1	022·9	022·9	023·1	023·1	023·3	024·2	024·8	025·2	025·0	025·0	026·2	026·4	026·6	027·4	028·6	028·9	030·3	030·7	030·8	031·0	031·0	026·0
11	030·9	030·7	030·7	031·2	031·3	031·4	031·4	031·7	032·2	032·3	032·4	032·4	031·6	030·9	030·7	030·9	031·1	030·8	030·5	030·1	030·1	030·3	030·2	030·0	031·1
12	029·7	029·8	030·0	029·6	029·5	029·6	029·7	029·8	029·9	030·0	029·8	029·8	029·2	029·8	028·6	028·6	028·8	029·6	030·3	030·3	030·6	030·8	030·7	030·6	029·7
13	030·8	030·6	030·8	030·6	030·5	030·8	030·7	031·0	031·1	031·2	031·3	031·2	030·8	030·5	030·1	029·9	030·1	030·1	030·4	030·5	030·6	030·6	030·8	031·1	030·7
14	031·2	031·2	031·1	031·4	031·9	032·4	032·9	033·8	034·3	034·9	035·0	035·0	034·6	034·5	034·6	035·0	035·4	036·0	036·5	037·2	037·4	037·6	038·0	038·2	034·4
15	038·3	038·4	038·3	038·4	038·3	038·1	038·0	038·2	038·5	038·7	038·7	038·5	038·3	038·0	037·5	037·3	037·3	037·3	037·6	038·0	038·2	038·3	038·3	038·4	038·1
16	038·3	038·0	037·9	037·9	038·1	038·1	038·1	038·4	038·7	038·9	039·2	039·3	039·0	038·6	038·1	037·5	037·3	037·4	037·5	037·6	037·4	037·5	037·5	037·2	038·1
17	037·1	036·6	036·5	035·8	035·5	035·4	035·4	035·6	035·6	035·6	035·5	035·3	034·8	034·5	034·4	034·4	034·5	034·8	034·9	034·7	034·9	035·0	034·9	035·2	035·3
18	035·1	034·9	034·8	034·3	034·6	034·7	034·5	035·0	035·6	035·9	035·9	036·1	035·7	035·4	035·1	035·1	035·2	035·7	036·1	036·3	036·6	036·8	037·3	037·2	035·5
19	037·4	037·4	037·3	037·2	037·4	037·3	037·3	038·0	038·1	038·4	038·3	038·2	038·1	037·8	037·5	037·6	037·9	038·5	038·9	039·1	039·6	039·6	039·8	039·9	038·1
20	040·0	040·0	040·0	040·1	040·2	040·6	041·2	041·8	042·7	042·8	042·7	042·5	042·3	042·3	042·0	042·1	042·2	042·1	042·3	042·5	043·0	043·2	043·3	043·7	041·8
21	044·1	043·8	043·4	042·9	042·5	042·6	042·8	043·3	043·6	043·7	043·6	043·4	043·0	042·0	041·4	041·5	041·5	041·9	042·2	042·3	042·1	041·9	042·0	041·9	042·7
22	041·9	041·5	041·2	041·0	040·5	040·5	040·6	041·0	041·0	041·1	041·0	041·0	040·5	040·3	039·8	039·6	039·2	039·2	039·3	039·2	039·1	038·9	038·6	038·4	040·3
23	038·3	038·0	037·4	037·0	036·8	036·5	036·6	036·8	036·7	036·7	036·6	036·4	035·8	035·2	034·4	034·0	033·6	033·7	033·3	033·1	032·8	032·0	031·3	030·9	035·3
24	030·0	029·3	027·9	027·5	026·7	026·4	026·0	025·5	024·3	024·0	023·9	023·4	023·0	023·0	022·8	022·4	022·3	023·2	023·1	023·5	024·2	024·5	025·0	025·1	025·0
25	025·3	025·3	025·1	025·0	025·0	025·1	025·2	025·7	026·2	026·7	026·8	026·8	026·8	026·5	026·3	026·2	026·7	027·0	027·3	027·4	027·5	027·7	027·6	027·3	026·3
26	026·7	026·3	026·5	026·3	025·9	025·9	025·6	025·4	025·7	025·7	025·3	025·2	024·9	024·5	024·1	024·2	024·6	024·8	024·6	025·1	025·5	025·6	025·6	025·9	025·4
27	026·2	026·2	026·1	026·1	026·3	026·5	026·6	027·0	027·4	027·8	028·0	028·0	027·5	027·1	027·0	027·0	027·1	027·4	027·7	028·1	028·2	028·1	028·1	027·8	027·2
28	027·5	027·2	026·8	026·4	026·4	026·7	026·6	026·6	026·6	026·2	026·1	025·0	024·8	024·4	024·0	024·0	024·1	024·5	025·1	025·1	025·0	025·1	025·2	025·3	025·7
29	025·2	024·8	024·3	024·0	023·9	023·5	023·3	023·6	023·3	023·1	022·6	022·2	021·7	021·2	020·7	020·0	019·6	019·6	019·6	019·5	019·2	019·0	018·8	018·8	021·9
Mean (Station level)	1032 ·06	1031 ·86	1031 ·63	1031 ·44	1031 ·35	1031 ·33	1031 ·29	1031 ·49	1031 ·69	1031 ·81	1031 ·80	1031 ·65	1031 ·28	1030 ·97	1030 ·65	1030 ·57	1030 ·67	1030 ·91	1031 ·09	1031 ·25	1031 ·37	1031 ·37	1031 ·35	1031 ·32	1031 ·36
Mean (Sea level)	1033 ·79	1033 ·59	1033 ·36	1033 ·17	1033 ·08	1033 ·06	1033 ·02	1033 ·22	1033 ·42	1033 ·53	1033 ·52	1033 ·37	1033 ·00	1032 ·68	1032 ·36	1032 ·28	1032 ·39	1032 ·63	1032 ·81	1032 ·97	1033 ·09	1033 ·10	1033 ·08	1033 ·35	1033 ·08
Hour G.M.T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

345. Cahirciveen (Valentia Observatory): H_b (height of barometer cistern above M.S.L.) = 13·7 metres. March, 1932.

Hour. G.M.T.	1.	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	018·5	018·4	017·7	017·1	017·2	017·1	017·0	016·8	016·5	016·3	015·5	015·0	014·4	013·4	012·6	012·4	012·0	012·0	011·8	011·7	011·1	011·2	011·0	011·0	014·7
2	010·6	010·3	009·3	009·4	009·4	009·1	009·1	009·5	009·5	009·5	009·6	009·4	009·4	009·2	009·3	009·4	009·6	010·0	010·4	010·8	011·1	011·3	011·7	012·0	010·0
3	012·3	012·7	012·7	012·6	013·1	013·4	013·7	014·4	015·2	015·5	015·9	016·0	015·9	015·7	015·7	015·8	015·8	016·5	016·9	017·6	018·2	018·4	018·5	018·4	015·3
4	018·4	018·5	018·5	018·4	018·4	018·5	018·8	019·3	019·6	019·8	019·7	019·7	019·3	018·7	018·4	018·2	018·0	017·9	018·1	018·1	017·9	017·5	017·1	016·6	018·5
5	016·2	015·7	014·9	014·0	013·1	012·2	011·9	011·3	011·0	010·9	010·3	009·8	009·0	008·2	007·7	007·3	007·4	007·2	008·2	008·0	007·9	008·3	008·2	008·1	010·5
6	008·2	008·5	008·3	008·4	008·4	008·3	008·5	009·0	009·4	009·9	009·8	009·9	009·6	009·4	009·6	010·0	010·3	011·1	011·4	012·0	012·3	012·7	013·0	013·2	009·9
7	013·4	013·8	013·8	013·9	013·9	014·0	013·9	014·2	014·4	014·5	014·7	014·8	014·3	013·9	013·7	013·4	013·4	013·5	013·4	013·5	013·5	013·6	013·4	013·1	013·8
8	012·9	012·6	012·0	011·6	011·2	010·8	010·5	010·0	009·4	008·8	008·6	008·4	008·1	008·0	007·8	007·3	007·9	008·1	008·4	008·6	008·7	008·8	008·9	009·1	009·5
9	009·3	009·4	009·4	009·7	010·2	010·9	011·5	012·1	013·1	013·9	014·2	014·6	014·5	014·6	014·8	015·0	015·4	015·7	016·4	016·8	017·2	017·3	017·2	017·4	013·6
10	017·5	017·3	017·0	016·7	016·8	017·0	017·2	017·5	017·7	017·8	017·5	017·4	017·3	016·7	016·4	016·2	016·3	016·6	016·9	017·1	017·0	017·1	017·0	016·9	017·0
11	017·0	017·0	016·3	016·7	016·8	017·0	017·4	017·9	018·3	018·5	019·0	018·8	019·0	019·0	018·9	019·0	019·1	019·3	019·7	020·1	020·6	020·9	021·0	021·2	018·6
12	021·0	021·0	020·6	020·4	020·5	020·6	020·9	021·5	021·8	022·0	022·0	022·1	021·9	021·2	021·0	020·7	020·6	020·6	020·5	020·6	020·8	020·8	020·9	020·8	021·0
13	020·5	020·1	019·4	018·8	018·0	018·2	018·2	018·0	017·7	017·7	017·4	017·3	017·0	016·4	015·8	015·7	015·7	015·9	015·9	015·7	015·9	015·7	015·0	015·3	017·3
14	015·0	015·2	014·6	014·5	014·5	014·7	014·3	014·4	015·1	015·3	015·0	015·0	015·1	015·2	014·9	015·2	015·4	016·0	016·3	016·7	017·2	017·7	017·7	017·9	015·5
15	017·9	017·9	017·9	017·9	018·3	017·8	018·4	018·7	018·6	018·6	018·7	018·5	018·6	018·2	018·0	017·5	017·3	018·0	018·5	018·9	018·9	019·0	019·0	019·0	018·3
16	018·7	018·6	018·1	017·9	017·7	017·4	017·6	017·7	017·7	017·7	017·7	017·4	017·2	016·8	016·6	016·4	016·3	016·4	016·6	016·7	017·0	017·2	017·2	017·3	017·4
17	017·3	017·3	017·3	017·2	017·1	017·2	017·5	017·9	018·2	018·4	018·6	018·5	018·5	018·7	019·1	019·2	019·5	020·2	021·0	021·1	021·5	021·9	022·0	022·4	019·0
18	022·7	022·8	022·9	023·1	023·3	023·8	024·2	024·5	024·8	025·2	025·4	025·3	025·3	025·4	025·1	024·6	024·7	025·3	025·5	025·5	025·5	025·5	026·0	025·6	024·6
19	025·3	025·1	024·6	024·1	023·9	023·6	023·7	023·9	024·1	024·0	024·0	023·8	023·9	023·6	023·4	023·2	023·3	023·4	023·4	023·8	024·0	023·9	024·5	024·2	024·0
20	023·3	023·7	023·5	023·3	023·4	023·7	023·8	024·3	024·1	024·2	024·0	023·9	023·9	023·8	023·4	023·1	022·9	022·9	023·0	023·0	022·9	022·9	022·5	022·1	023·4
21	021·7	021·5	021·2	021·0	021·2	021·4	021·9	022·3	022·6	022·9	023·2	023·6	023·7	023·6	023·6	023·5	023·5	023·7	023·8	023·9	023·7	023·8	023·7	023·7	022·8
22	023·7	023·9	024·0	024·0	024·3	024·7	025·1	025·1	025·2	025·4	025·5	025·2	025·1	024·9	024·7	024·5	024·5	024·5	024·4	024·2	023·9	023·7	023·4	023·0	024·5
23	022·5	022·0	021·3	020·9	020·8	020·5	020·2	019·7	019·2	018·6	018·0	017·4	016·8	015·8	015·4	014·9	014·5	014·0	013·7	013·5	013·1	012·4	012·2	011·7	017·3
24	011·1	010·7	010·4	009·8	009·6	009·5	009·5	009·6	009·4	009·1	008·6	008·1	008·0	007·6	006·5	006·0	005·4	004·0	004·0	003·3	002·4	001·3	000·2	999·1	007·1
25	998·5	997·5	996·3	995·1	994·0	992·8	991·7	991·1	990·3	989·8	989·0	988·7	988·3	988·6	988·7	988·8	989·1	989·7	990·3	990·8	990·9	991·5	991·6	992·0	991·6
26	992·3	992·8	992·9	993·3	994·2	995·0	995·8	996·7	997·8	998·7	999·8	000·2	000·8	000·9	000·9	000·4	000·2	999·4	998·7	997·1	995·0	993·8	992·0	989·6	996·6
27	988·9	988·9	988·7	988·5	988·8	989·4	989·6	990·0	989·9	990·1	990·1	990·2	990·0	989·6	989·9	989·8	989·8	989·6	989·2	988·2	988·6	988·6	988·4	988·2	989·3
28	988·4	988·3	988·2	988·3	988·3	988·5	988·5	988·8	989·1	989·5	989·4	989·2	989·3	989·0	988·9	989·5	990·3	991·6	992·4	993·4	994·2	994·8	995·2	995·5	990·2
29	995·4	994·8	993·8	992·2	990·8	990·4	990·2	989·7	989·6	989·1	988·4	987·8	987·6	986·9	986·2	985·8	985·2	985·0	985·0	984·7	984·3	984·3	984·3	984·4	988·4
30	984·4	984·2	983·9	983·7	983·4	983·5	983·8	983·9	984·3	984·8	985·0	985·3	985·6	986·0	986·0	986·2	986·5	987·3	987·8	988·3	988·9	989·7	990·2	990·9	985·9
31	991·4	991·9	992·5	993·4	994·4	995·4	996·6	997·8	999·0	000·1	001·5	002·4	002·9	003·9	004·3	005·0	005·6	006·7	007·7	008·6	009·5	010·2	010·3	010·4	001·3
Mean (Station level)	1011·43	1011·37	1011·07	1010·84	1010·81	1010·86	1011·00	1011·21	1011·37	1011·51	1011·49	1011·41	1011·30	1011·06	1010·88	1010·79	1010·83	1011·03	1011·27	1011·37	1011·41	1011·48	1011·40	1011·29	1011·19
Mean (Sea level)	1013·12	1013·06	1012·76	1012·53	1012·50	1012·55	1012·69	1012·90	1013·06	1013·19	1013·17	1013·08	1012·97	1012·73	1012·55	1012·46	1012·50	1012·71	1012·95	1013·06	1013·10	1013·17	1013·09	1012·98	1012·87

346. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. April, 1932.

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	010·5	010·5	009·9	009·7	009·4	009·1	008·6	007·5	006·5	005·2	004·0	002·4	000·7	999·3	998·2	998·1	998·0	997·9	997·7	997·5	997·3	996·6	996·0	995·1	003·1
2	994·1	992·3	991·4	990·2	989·3	988·8	988·6	988·5	988·5	988·9	989·5	989·5	989·7	989·6	989·8	989·6	989·7	990·5	990·4	990·7	990·3	989·8	989·2	988·2	990·0
3	987·4	986·3	986·0	986·2	985·5	986·4	988·0	989·6	990·5	991·4	991·4	991·4	991·6	992·0	992·4	993·1	993·7	995·0	995·1	996·2	996·8	997·3	997·8	998·0	991·4
4	998·4	998·4	998·7	999·0	999·4	000·4	001·4	002·7	003·3	003·7	004·2	004·8	005·2	005·7	006·3	006·5	006·9	008·0	008·6	009·8	010·4	010·8	011·3	011·9	004·5
5	012·3	012·5	012·8	013·0	013·3	014·0	014·3	014·9	015·2	015·5	016·0	016·3	016·6	017·2	017·0	017·2	017·1	017·4	017·5	017·5	017·5	017·6	017·3	017·0	015·5
6	016·5	015·6	014·9	013·9	013·3	013·0	012·7	012·3	012·1	011·5	010·8	010·2	009·8	009·2	008·3	007·3	006·3	005·4	005·2	004·7	004·3	004·0	003·4	003·3	009·8
7	003·4	003·3	003·3	003·3	003·6	004·1	004·5	005·4	005·5	006·3	007·2	007·6	008·0	008·6	009·1	009·7	010·3	011·3	011·8	013·3	014·0	014·6	015·4	016·1	008·1
8	016·9	017·3	017·8	018·0	018·5	019·1	019·7	020·3	020·8	021·1	021·0	021·0	021·1	021·0	020·5	020·1	019·6	019·0	018·0	017·2	016·5	015·1	014·6	014·1	018·7
9	013·8	013·2	012·7	012·0	011·2	010·8	010·1	009·8	009·6	008·8	007·9	007·1	006·0	005·0	004·2	002·8	001·7	000·7	999·7	999·0	998·9	998·2	998·5	997·9	006·2
10	997·5	996·7	996·3	995·9	995·7	995·7	995·5	995·8	995·6	995·5	996·2	996·8	997·1	998·1	999·1	000·1	001·1	002·3	002·7	003·6	004·3	005·0	005·1	005·8	998·9
11	005·9	006·5	006·8	008·9	009·7	011·8	014·3	015·0	015·9	017·4	017·5	017·6	018·2	018·2	018·8	018·7	019·1	020·2	020·9	022·1	023·3	023·9	024·3	024·9	016·3
12	025·5	025·9	026·3	026·7	027·3	027·9	028·7	029·4	030·0	030·4	031·2	031·4	031·8	032·1	032·0	032·1	032·3	032·3	032·2	032·1	032·0	031·9	031·7	031·4	030·1
13	031·1	030·4	029·7	028·8	028·2	027·5	026·9	026·4	025·5	024·8	023·8	022·6	021·0	019·6	017·5	015·5	013·1	012·9	012·3	012·7	013·1	013·7	013·6	013·4	021·4
14	013·4	012·8	012·7	012·1	011·6	011·4	010·7	010·7	010·3	009·9	009·2	008·6	008·1	007·4	006·9	006·5	006·0	005·5	005·1	005·0	004·8	004·5	003·9	003·5	008·6
15	003·0	002·6	002·5	002·3	002·3	002·6	002·8	002·8	002·9	002·9	002·9	003·0	003·3	003·6	004·2	005·3	006·2	007·3	008·2	009·5	010·4	011·1	011·7	012·7	005·1
16	013·2	013·6	013·7	014·2	014·6	015·4	015·9	016·6	016·7	017·3	017·6	017·7	017·6	017·5	017·4	017·4	017·3	017·5	017·8	018·1	018·2	018·3	018·4	018·2	016·6
17	018·0	017·5	016·9	016·8	016·9	017·3	017·7	017·9	017·5	017·7	017·8	017·2	017·3	017·0	016·9	017·1	017·4	017·6	017·8	018·4	018·9	019·2	019·4	019·5	017·7
18	019·8	019·6	019·6	019·5	019·7	019·9	020·5	020·6	020·6	020·8	020·6	020·6	020·6	020·5	020·3	020·1	020·0	020·0	020·1	020·5	020·7	020·6	020·5	020·4	020·2
19	020·3	019·8	019·2	018·8	018·4	018·4	018·5	018·3	017·8	017·3	017·1	016·7	016·1	015·5	014·5	013·6	013·0	012·0	011·4	010·7	010·0	009·1	008·5	007·7	015·4
20	007·0	006·1	005·5	004·9	004·5	004·4	004·3	004·0	003·8	003·5	003·3	002·6	002·3	002·0	001·6	001·1	000·8	000·4	000·3	000·2	999·8	999·7	999·3	999·2	002·7
21	999·2	999·2	999·5	999·8	999·9	000·2	000·3	000·5	000·9	001·7	002·7	003·2	003·9	004·6	005·0	005·5	005·9	006·5	007·0	007·4	008·3	009·2	009·5	010·0	005·5
22	010·1	010·3	010·2	010·3	010·4	010·6	010·9	010·8	011·0	010·8	010·7	010·5	010·3	009·8	009·1	008·7	008·3	007·9	007·9	008·1	008·4	008·9	009·5	010·1	009·7
23	010·4	010·9	011·0	011·6	012·0	012·5	013·1	013·5	013·9	014·6	014·6	014·8	015·2	015·3	015·3	015·6	015·9	016·5	016·7	017·1	017·6	017·8	017·7	017·9	014·5
24	017·9	017·8	017·6	017·7	017·6	017·8	017·8	018·2	018·1	018·1	018·1	018·1	018·0	018·0	017·9	017·7	017·8	017·9	018·0	018·1	018·4	018·5	018·6	018·6	018·0
25	018·4	017·7	017·6	017·6	017·5	017·5	017·6	017·4	017·1	016·7	016·7	016·0	015·6	014·9	014·2	013·5	012·8	012·3	011·8	011·9	011·9	011·4	011·3	011·0	015·2
26	010·5	010·0	009·6	009·4	008·9	008·9	008·7	008·7	008·6	008·3	008·1	007·8	007·4	007·4	007·1	006·7	006·6	006·2	006·1	006·3	006·2	005·9	005·5	005·3	007·8
27	005·0	004·4	003·9	003·1	002·5	001·8	001·2	000·5	000·0	999·2	998·4	997·9	997·3	996·9	996·5	995·6	995·1	994·7	994·5	994·8	995·0	995·1	995·1	995·0	998·7
28	994·7	994·3	994·0	994·0	993·9	994·1	994·3	994·4	994·4	994·3	994·3	994·1	993·9	993·9	993·7	993·6	993·4	993·4	993·5	993·8	994·0	993·9	993·9	994·0	994·0
29	993·8	993·9	993·5	993·7	993·6	993·6	993·9	994·0	994·2	994·2	994·2	994·3	994·1	994·0	994·0	994·4	994·3	994·4	994·6	995·0	995·4	995·5	995·4	995·8	994·3
30	995·4	995·1	994·9	994·8	994·9	995·1	995·0	995·4	995·4	995·3	995·1	995·0	994·9	994·9	994·6	994·6	994·5	994·9	995·2	995·7	996·5	996·8	996·9	997·1	995·3
Mean (Station level)	1008·78	1008·48	1008·29	1008·21	1008·12	1008·34	1008·55	1008·73	1008·74	1008·77	1008·74	1008·56	1008·42	1008·29	1008·08	1007·93	1007·81	1007·93	1007·94	1008·23	1008·44	1008·47	1008·44	1008·44	1008·37
Mean (Sea level)	1010·47	1010·17	1009·98	1009·90	1009·81	1010·03	1010·24	1010·41	1010·42	1010·44	1010·41	1010·23	1010·09	1009·96	1009·75	1009·60	1009·48	1009·60	1009·61	1009·90	1010·12	1010·15	1010·12	1010·12	1010·05
Hour G.M.T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

347. Cahirciveen (Valentia Observatory): H_b (height of barometer cistern above M.S.L.) = 13·7 metres. May, 1932.

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	997·0	997·0	997·0	996·9	997·3	997·8	998·3	998·5	999·0	999·4	000·0	000·5	000·7	001·1	001·5	001·7	002·2	002·7	003·4	003·9	004·7	005·1	005·2	005·7	000·5
2	005·9	006·1	006·3	006·7	007·0	007·6	008·0	008·4	008·7	009·0	009·6	010·1	010·4	010·4	010·7	011·4	011·8	011·9	012·3	012·7	013·1	013·5	013·8	014·2	009·8
3	014·4	014·3	014·3	014·5	015·0	016·0	016·4	016·9	017·6	018·1	018·3	018·5	018·5	018·6	018·5	018·7	018·6	018·8	019·0	019·5	019·8	019·9	020·0	020·1	017·6
4	020·1	019·9	019·8	019·7	019·8	020·0	020·1	020·0	020·0	019·8	019·6	019·4	019·1	018·8	018·4	017·9	017·6	017·4	017·1	017·1	017·4	017·4	017·9	017·8	018·9
5	017·6	017·6	017·5	017·0	017·4	017·9	018·5	018·7	018·9	018·7	018·3	018·4	018·4	018·1	017·7	017·3	017·2	017·1	016·7	016·6	016·4	016·3	016·2	016·0	017·6
6	015·7	015·3	015·0	014·5	014·3	014·4	014·4	014·6	014·6	014·5	014·5	014·2	014·0	013·8	013·3	012·9	012·2	011·7	011·8	011·4	011·4	010·9	010·3	009·8	013·4
7	009·3	008·8	008·3	008·0	007·8	007·7	007·8	007·7	007·6	007·5	007·4	007·1	006·8	006·7	006·2	005·9	005·8	005·7	005·7	005·5	005·6	005·4	005·0	004·6	006·9
8	004·3	003·8	003·4	002·3	002·7	002·7	002·5	002·5	002·4	002·3	002·4	002·4	002·3	002·4	002·4	002·3	002·3	002·4	002·5	002·5	002·6	002·6	002·8	002·9	002·7
9	003·0	002·9	003·0	003·2	003·5	004·4	005·4	006·0	007·1	007·6	008·3	009·1	009·6	009·9	010·5	010·7	011·0	011·6	011·8	012·1	012·3	012·7	012·9	013·2	008·2
10	013·2	013·1	013·2	013·3	013·5	013·5	013·8	013·8	013·7	013·5	013·3	012·7	012·1	011·5	010·8	009·7	008·4	006·9	006·5	006·5	007·3	007·3	007·5	007·5	011·1
11	007·4	007·4	007·5	008·0	007·5	007·1	007·2	006·5	005·9	005·9	005·5	005·3	004·7	004·5	003·9	003·3	002·9	002·6	002·4	002·3	002·3	002·1	001·8	001·3	004·9
12	001·1	000·9	000·6	000·4	000·1	999·6	999·5	999·7	998·1	998·9	998·7	998·4	998·5	999·2	999·9	000·1	000·5	000·7	000·7	001·1	001·2	001·3	001·0	000·7	000·1
13	000·6	000·2	999·8	999·3	999·4	999·3	999·5	999·6	999·7	999·9	000·1	000·5	000·6	001·2	001·5	001·8	002·0	002·4	002·7	003·1	003·8	004·5	004·9	005·1	001·2
14	005·2	005·3	005·4	005·7	006·0	006·4	006·8	007·2	007·5	007·8	007·8	008·1	008·4	008·7	008·6	008·6	008·5	008·8	009·0	009·1	009·3	009·5	009·2	009·1	007·7
15	009·0	008·9	008·7	008·5	008·4	008·7	008·6	008·8	008·6	008·6	008·7	008·8	008·7	009·1	009·1	009·0	009·0	009·3	009·4	009·5	009·7	010·1	010·0	009·8	009·0
16	009·7	009·8	009·7	009·8	009·8	009·8	010·0	010·3	010·5	010·6	011·2	011·5	011·6	012·1	012·2	012·4	012·6	012·7	012·8	013·2	013·5	013·5	013·5	013·7	011·4
17	013·5	013·3	013·1	012·6	012·3	012·0	012·0	011·6	011·3	011·3	010·9	010·5	010·1	009·5	008·9	007·9	007·2	006·6	006·3	005·8	005·4	005·3	005·1	005·0	009·7
18	004·9	004·4	004·0	003·6	003·5	003·7	003·7	003·8	003·9	003·8	004·0	004·1	004·2	004·5	004·6	004·9	005·0	005·1	005·4	005·9	006·4	006·9	007·0	007·1	004·7
19	006·8	006·4	005·9	005·5	005·0	004·7	004·2	004·0	002·9	001·7	000·6	999·6	998·6	998·6	999·3	000·4	001·0	001·4	001·8	002·2	003·0	003·4	003·5	003·5	002·7
20	003·3	003·2	002·9	002·8	002·6	002·8	002·8	002·9	003·0	002·9	003·1	003·3	003·4	003·8	004·2	004·3	004·4	004·6	004·6	004·9	005·8	005·9	006·0	006·1	003·8
21	005·9	006·0	006·1	006·1	006·3	006·9	007·2	008·0	008·3	008·9	009·3	009·5	009·8	009·8	010·4	010·3	011·0	011·5	011·8	012·3	012·8	012·5	012·4	012·4	009·3
22	012·3	012·0	012·1	012·0	012·1	011·9	011·8	011·9	011·7	011·3	011·5	011·2	011·0	010·9	010·7	010·2	009·7	009·3	008·8	008·4	008·3	008·2	008·4	008·8	010·7
23	009·5	010·2	010·3	010·4	011·2	011·7	012·8	012·8	013·2	013·4	013·3	013·4	013·4	012·8	012·5	011·8	011·4	011·3	011·8	012·5	012·8	013·4	013·5	013·7	012·1
24	013·8	013·6	013·5	013·6	013·8	014·0	014·6	015·1	015·5	015·6	016·1	016·5	016·7	017·2	017·5	017·6	017·6	017·8	018·0	018·1	018·4	018·6	018·5	018·5	016·2
25	018·5	018·4	018·4	018·2	018·1	018·1	018·2	018·1	018·3	018·2	018·1	018·1	017·7	017·2	016·8	016·5	016·0	015·9	015·2	015·2	015·4	015·0	014·9	014·5	017·1
26	014·2	013·9	013·7	013·5	013·4	013·5	013·8	013·7	013·7	013·8	013·3	013·3	013·2	012·9	012·7	012·5	012·6	012·6	012·8	013·1	013·6	014·0	014·2	014·2	013·4
27	014·5	014·8	014·8	015·2	015·3	015·7	016·0	016·1	016·3	016·3	016·4	016·3	016·1	016·0	015·8	015·7	015·7	015·5	015·5	015·4	015·5	015·6	015·5	015·0	015·6
28	014·8	014·6	014·5	014·4	014·7	014·6	014·6	014·8	015·0	015·0	015·3	015·3	015·5	015·5	015·4	015·5	015·6	015·8	016·1	016·2	016·6	016·9	016·9	016·5	015·4
29	016·3	016·1	016·1	015·9	016·1	016·1	016·0	016·0	015·9	015·9	015·8	015·4	015·3	015·3	014·7	014·5	014·3	014·3	014·2	014·0	014·1	014·1	013·9	013·5	015·2
30	013·2	013·0	012·8	012·6	012·3	012·1	011·7	011·4	011·1	010·7	009·6	008·5	007·7	006·8	005·9	005·2	004·5	003·7	003·5	003·3	002·9	002·4	002·1	002·0	008·1
31	002·1	002·2	002·1	002·0	001·9	001·8	001·6	001·5	001·3	000·8	001·0	000·9	001·1	001·1	001·2	001·8	001·8	002·1	002·8	003·1	003·8	004·4	005·0	005·4	002·1
Mean (Station level)	1009 ·58	1009 ·47	1009 ·35	1009 ·25	1009 ·30	1009 ·43	1009 ·61	1009 ·71	1009 ·72	1009 ·73	1009 ·74	1009 ·71	1009 ·62	1009 ·61	1009 ·54	1009 ·45	1009 ·37	1009 ·36	1009 ·43	1009 ·57	1009 ·85	1009 ·96	1009 ·97	1009 ·93	1009 ·59
Mean (Sea level)	1011 ·25	1011 ·14	1011 ·02	1010 ·92	1010 ·97	1011 ·10	1011 ·28	1011 ·37	1011 ·38	1011 ·39	1011 ·40	1011 ·37	1011 ·27	1011 ·26	1011 ·19	1011 ·10	1011 ·02	1011 ·02	1011 ·09	1011 ·23	1011 ·51	1011 ·62	1011 ·64	1011 ·60	1011 ·25

Station Level

348. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. June, 1932.

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	005·7	005·8	005·9	006·5	006·8	007·2	007·6	008·1	008·8	009·2	009·5	009·5	009·7	009·7	010·1	010·8	010·6	011·0	010·9	010·9	011·3	011·5	011·4	011·4	009·0
2	011·4	011·4	011·4	011·2	011·0	011·0	010·9	010·9	010·8	010·6	010·6	010·8	010·6	010·5	010·4	010·4	010·4	010·2	010·0	010·2	010·2	010·2	010·0	010·0	010·7
3.	010·0	009·9	009·8	009·6	009·5	009·5	009·6	009·7	009·7	009·7	009·4	009·7	010·0	010·0	010·0	009·3	009·7	009·7	009·6	009·5	009·7	009·7	009·7	009·8	009·7
4	009·9	009·8	009·8	009·9	010·0	010·4	010·8	011·5	012·0	012·2	012·6	013·0	013·2	013·6	013·8	014·2	014·3	014·5	014·8	015·6	016·2	016·9	017·1	017·5	012·9
5	017·8	017·8	017·8	017·9	018·1	018·2	018·4	018·8	018·9	019·0	019·1	019·1	019·3	019·5	019·6	019·6	019·6	019·9	020·2	020·7	021·2	021·6	021·8	021·9	019·3
6	022·2	022·3	022·3	022·3	022·5	023·0	023·3	023·5	023·9	024·1	024·2	024·4	024·6	024·7	024·7	024·9	025·0	025·0	025·1	025·3	025·3	025·5	025·6	025·6	024·1
7	025·5	025·4	025·2	025·2	025·3	025·5	025·7	026·0	026·0	025·9	026·1	026·0	025·9	026·1	026·1	025·9	025·9	025·8	025·6	025·6	025·8	026·0	026·0	025·8	025·8
8	025·6	025·5	025·3	025·3	025·3	025·4	025·4	025·4	025·3	025·2	025·1	024·9	024·5	024·3	024·1	023·7	023·4	022·8	022·6	022·0	021·9	021·8	021·1	020·8	024·1
9	020·1	019·6	019·3	018·7	018·4	018·3	018·1	018·1	017·8	017·5	017·2	016·9	016·5	016·3	016·1	015·9	015·7	015·4	015·5	015·3	015·2	015·2	014·9	014·2	017·1
10	013·9	013·1	012·6	012·2	012·0	012·1	012·2	012·3	012·1	011·8	011·9	011·9	012·0	011·8	011·7	011·5	011·5	011·5	011·5	011·6	011·8	011·9	011·8	011·5	012·1
11	011·0	010·6	010·2	009·8	010·0	010·1	010·1	010·3	010·3	010·2	010·1	010·1	010·3	010·3	010·2	010·1	010·1	010·1	010·5	010·7	010·7	010·8	010·8	010·8	010·4
12	010·5	010·2	010·0	010·0	010·1	010·5	010·8	011·0	011·2	011·4	011·5	012·0	012·5	013·0	013·1	013·3	013·3	013·8	014·2	015·0	015·5	016·1	016·6	016·5	012·5
13	016·5	016·8	016·9	016·9	017·3	017·8	018·0	018·1	018·0	017·8	017·8	017·9	017·9	017·8	017·7	017·7	017·9	017·9	018·1	018·2	018·4	018·6	018·8	018·8	017·8
14	018·6	018·8	018·8	018·8	019·0	019·3	019·5	019·9	020·1	020·3	020·6	020·9	021·1	021·2	021·3	021·1	020·9	021·0	021·3	021·9	022·4	022·6	022·8	022·7	020·5
15.	022·7	022·7	022·5	022·4	022·4	022·8	023·1	023·1	023·4	023·7	023·6	023·5	023·9	023·7	023·5	023·4	023·7	023·8	024·1	024·1	024·2	024·4	024·2	024·1	023·4
16	024·1	024·1	023·9	023·8	023·9	024·0	024·1	024·2	024·4	024·2	024·3	024·2	024·1	024·0	023·9	023·4	023·3	023·4	023·5	023·4	023·6	023·4	023·2	023·1	023·8
17	022·8	022·4	022·0	021·8	021·7	021·6	021·6	021·5	021·6	021·3	021·0	020·7	020·3	020·0	019·7	019·8	019·9	020·0	020·0	020·1	020·2	020·3	020·4	020·1	020·9
18	020·2	019·9	019·6	019·7	019·5	019·6	019·7	019·5	019·2	019·0	018·7	018·2	018·1	018·1	017·9	017·8	017·7	017·6	017·7	017·5	017·6	017·7	017·8	017·8	018·6
19.	017·6	017·3	016·8	016·4	016·4	016·6	016·5	016·5	016·4	016·2	016·2	016·1	016·1	016·0	015·9	015·9	016·0	016·1	015·9	015·8	015·9	015·9	016·2	016·3	016·3
20.	016·1	016·0	015·9	015·7	015·7	016·0	016·1	016·2	016·3	016·6	016·7	016·8	016·8	016·7	016·5	016·4	016·3	016·5	016·7	016·8	017·1	017·3	017·5	017·5	016·5
21	017·4	017·3	017·3	017·3	017·5	017·7	018·0	018·2	018·3	018·6	019·1	019·4	019·7	019·8	020·1	020·0	020·2	020·5	020·9	021·3	021·7	021·9	022·0	022·3	019·3
22	022·5	022·4	022·6	022·4	022·7	022·9	023·3	023·6	024·0	024·1	024·5	024·9	025·2	025·7	025·8	025·8	026·0	026·1	026·3	026·4	026·8	027·0	027·1	027·4	024·7
23	027·4	027·4	027·0	026·7	026·8	027·0	027·2	027·5	027·6	027·7	028·0	028·0	028·1	028·1	027·9	027·6	027·6	027·3	027·3	027·4	027·7	027·9	027·9	027·7	027·5
24	027·5	027·2	026·7	026·2	026·2	026·1	026·2	026·2	026·1	025·9	025·7	025·4	025·2	024·9	024·5	024·1	024·1	023·9	023·8	023·8	023·9	023·9	023·6	023·3	025·3
25	022·7	022·3	021·8	021·5	021·2	021·2	021·1	021·1	021·1	021·0	020·7	020·4	020·2	019·7	019·3	018·7	018·4	018·2	017·9	017·7	017·8	017·7	017·3	016·7	020·0
26	016·3	015·9	015·2	014·6	014·1	014·1	013·6	013·6	013·5	013·2	012·9	012·5	012·3	012·0	011·5	010·8	010·3	010·0	009·8	009·6	009·6	009·4	009·3	009·2	012·4
27.	008·8	008·5	008·2	007·8	007·6	007·5	007·3	007·4	007·5	007·3	007·3	007·1	006·7	006·3	006·2	005·9	005·4	005·2	005·4	005·3	005·4	005·4	005·3	005·2	006·7
28	005·1	005·0	005·1	005·2	005·5	005·9	006·4	006·7	006·9	007·2	007·7	007·9	008·0	008·4	008·5	008·6	009·0	009·1	009·4	009·6	009·8	009·7	009·6	009·5	007·6
29.	009·1	008·4	007·8	007·3	006·8	006·2	006·0	005·6	005·2	004·5	004·2	003·8	003·1	002·9	002·0	001·2	000·6	000·2	999·9	999·3	998·7	998·4	997·8	997·9	003·4
30.	997·8	997·5	997·0	996·5	996·5	996·6	996·7	996·5	996·2	995·8	995·5	994·5	993·5	992·7	991·8	989·9	989·2	988·2	987·6	987·7	988·2	988·4	988·6	989·2	993·2
Mean (Station level)	1016 ·56	1016 ·38	1016 ·16	1015 ·99	1015 ·99	1016 ·14	1016 ·24	1016 ·37	1016 ·42	1016 ·37	1016 ·39	1016 ·35	1016 ·31	1016 ·26	1016 ·13	1015 ·92	1015 ·87	1015 ·82	1015 ·87	1015 ·94	1016 ·13	1016 ·24	1016 ·21	1016 ·15	1016 ·19
Mean (Sea level)	1018 ·22	1018 ·05	1017 ·83	1017 ·66	1017 ·66	1017 ·80	1017 ·89	1018 ·02	1018 ·06	1018 ·01	1018 ·03	1017 ·99	1017 ·95	1017 ·90	1017 ·77	1017 ·56	1017 ·51	1017 ·46	1017 ·51	1017 ·59	1017 ·78	1017 ·89	1017 ·87	1017 ·81	1017 ·84
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

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

Readings in millibars at exact hours, Greenwich Mean Time.

349. Cahirciveen (Valentia Observatory): H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **July, 1932.**

Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	989·4	989·7	989·7	989·7	989·7	989·7	989·7	991·0	992·2	993·0	993·8	994·7	996·0	997·2	998·2	999·3	000·0	001·0	001·9	002·9	003·6	004·7	005·4	006·4	995·8
2	007·0	007·2	007·4	007·8	008·1	008·4	008·5	008·6	008·7	009·0	009·0	009·0	008·8	008·8	008·7	008·6	008·6	008·7	008·7	008·8	009·0	008·7	008·7	008·6	008·4
3	008·0	007·5	006·6	005·9	004·5	003·7	003·2	003·2	003·1	003·0	002·9	002·8	002·3	001·7	001·8	001·3	000·9	000·2	000·1	000·1	999·7	999·4	999·7	999·8	002·7
4	999·8	999·7	999·4	999·5	999·6	000·0	001·0	002·2	003·4	004·3	004·9	005·7	006·3	006·8	007·0	007·3	007·7	008·1	008·3	008·8	009·0	009·3	009·1	008·9	004·6
5	008·6	008·7	008·4	008·3	008·4	008·7	008·8	009·0	009·3	009·3	009·3	009·3	009·1	009·3	009·3	009·4	009·6	009·6	009·7	009·7	009·8	010·1	009·9	009·7	009·2
6	009·3	009·3	009·1	009·0	008·5	008·5	008·8	008·7	008·9	008·9	008·9	008·8	008·5	008·3	008·2	008·2	008·3	008·6	009·0	009·8	010·5	011·0	011·5	011·8	009·1
7	012·3	012·6	012·9	013·3	013·7	014·2	014·9	015·2	015·7	015·8	016·3	016·7	016·7	017·3	017·2	016·8	016·9	017·1	017·0	017·3	017·7	018·1	018·6	018·5	015·8
8	018·8	018·9	019·3	019·5	019·9	020·5	020·8	021·2	021·4	021·3	021·4	021·7	021·7	021·8	022·0	022·1	022·3	022·4	022·5	022·6	022·9	023·1	022·9	023·1	021·3
9	023·0	023·0	023·0	023·0	023·2	023·4	023·5	023·6	023·8	023·9	023·9	023·7	023·6	023·5	023·3	023·0	022·7	022·3	022·3	022·3	022·3	022·4	022·0	021·4	023·0
10	020·9	020·3	019·4	019·0	018·9	018·5	018·1	017·8	017·7	017·4	017·1	017·0	017·1	016·9	016·4	016·9	016·9	016·7	016·7	016·7	016·7	017·0	015·9	016·6	017·7
11	016·3	016·2	016·0	015·7	015·4	015·5	015·7	015·8	015·8	015·8	015·9	016·2	016·3	016·3	016·4	016·5	016·6	016·6	016·8	017·3	017·7	018·1	018·2	018·0	016·4
12	018·0	017·9	017·7	017·9	017·6	017·2	017·5	017·6	017·4	017·2	017·2	016·8	016·4	016·0	015·5	015·5	015·1	014·8	014·4	014·1	014·0	013·7	013·3	012·6	016·2
13	012·0	011·0	010·2	009·5	009·1	008·4	008·1	007·9	007·6	007·2	006·7	006·2	005·8	005·5	005·7	005·1	005·0	005·2	004·9	005·2	005·4	005·2	004·8	004·3	007·1
14	003·8	003·6	003·3	003·7	004·2	005·4	006·0	006·5	007·5	008·3	009·0	009·6	009·8	009·8	009·9	010·2	010·3	010·7	010·8	011·3	011·8	011·9	012·1	012·0	008·3
15	011·8	011·5	011·2	011·0	010·9	011·0	010·9	010·7	010·3	010·0	009·8	009·4	009·4	008·9	008·2	007·3	006·7	006·1	005·9	005·8	005·9	005·8	005·7	005·7	008·9
16	005·6	005·2	005·0	004·9	005·0	005·2	005·6	005·9	006·0	006·5	007·0	007·5	007·8	008·3	008·7	009·2	009·7	010·0	010·9	011·5	012·0	012·8	013·2	013·7	008·1
17	014·1	014·4	014·9	015·6	016·2	017·0	018·1	018·3	019·1	019·8	020·3	020·8	021·2	021·7	022·1	022·4	022·4	022·8	023·1	023·4	023·6	023·9	024·0	024·3	019·9
18	024·7	024·5	024·1	024·2	024·2	024·4	024·7	024·7	024·8	024·9	024·9	024·8	024·9	024·7	024·6	024·7	024·8	024·7	024·8	025·0	025·1	025·3	025·4	025·6	024·7
19	025·6	025·5	025·5	025·4	025·4	025·4	025·6	025·6	025·6	025·4	025·4	025·2	025·1	024·9	024·5	024·2	024·0	023·8	023·5	023·5	023·3	023·0	022·5	022·0	024·7
20	021·4	021·1	021·1	020·9	020·8	020·7	020·8	020·6	020·7	020·4	020·4	020·3	020·0	019·8	019·4	019·0	018·7	018·4	018·6	018·7	018·9	019·1	019·2	019·0	020·0
21	018·9	018·8	018·5	018·2	017·9	017·9	018·0	017·9	017·7	017·5	017·3	017·1	016·9	016·6	016·4	016·1	015·9	015·6	015·6	015·9	016·0	016·0	015·9	015·7	017·1
22	015·4	015·0	015·0	014·4	014·6	014·6	014·7	014·6	014·7	014·7	014·7	014·6	014·7	014·6	014·8	014·7	015·1	015·2	015·8	015·7	016·2	016·6	016·5	016·6	015·1
23	016·2	016·2	016·2	016·0	016·1	015·9	015·8	015·7	015·3	015·0	014·7	014·9	014·6	014·2	013·6	013·3	013·0	012·7	012·4	012·2	012·3	012·1	011·5	011·1	014·3
24	010·5	010·0	009·8	009·3	009·2	009·1	009·2	009·1	009·0	008·6	008·3	008·2	007·9	007·4	006·9	006·4	006·3	006·1	006·2	006·1	006·2	006·3	006·3	006·2	008·0
25	006·0	005·7	005·2	005·0	004·5	004·7	004·9	004·7	004·7	004·6	005·0	004·8	004·6	004·5	004·4	004·3	004·1	004·1	004·2	004·2	004·4	004·4	004·4	004·2	004·7
26	003·8	004·0	004·1	004·1	004·3	004·5	004·8	005·0	005·1	005·0	005·1	005·2	005·2	005·3	005·5	005·5	005·6	005·8	005·9	006·0	006·3	006·5	006·5	006·3	005·2
27	005·9	005·6	005·4	005·2	005·3	005·6	005·9	006·3	007·0	007·5	007·6	008·0	008·2	008·5	008·8	008·8	008·8	008·8	008·5	008·5	008·4	008·3	007·8	007·2	007·3
28	006·5	005·9	005·1	004·6	004·2	004·1	004·3	004·6	004·8	005·2	005·4	005·7	005·7	005·7	005·6	005·4	005·5	005·4	005·3	005·2	005·4	005·3	005·5	005·8	005·3
29	005·7	005·4	005·0	004·0	003·5	003·3	003·7	004·9	005·9	006·3	006·8	006·9	006·9	006·9	006·8	006·7	006·6	006·4	006·2	006·0	006·1	005·7	005·5	005·1	005·7
30	004·6	004·5	004·4	004·3	004·3	004·4	004·5	004·5	004·8	004·8	005·0	005·1	005·2	005·1	005·3	005·4	005·5	005·6	005·7	005·8	006·1	006·3	006·2	006·1	005·1
31	005·9	005·5	005·4	005·3	005·1	005·2	005·5	005·9	006·2	006·6	007·0	007·4	007·8	007·9	008·1	008·2	008·6	008·9	009·1	009·7	010·2	010·8	011·2	011·7	007·5
Mean (Station level)	1011 ·29	1011 ·11	1010 ·91	1010 ·78	1010 ·72	1010 ·81	1011 ·02	1011 ·20	1011 ·43	1011 ·52	1011 ·65	1011 ·75	1011 ·76	1011 ·75	1011 ·72	1011 ·67	1011 ·68	1011 ·69	1011 ·77	1011 ·94	1012 ·15	1012 ·29	1012 ·27	1012 ·19	1011 ·53
Mean (Sea level)	1012 ·93	1012 ·75	1012 ·55	1012 ·42	1012 ·36	1012 ·45	1012 ·66	1012 ·84	1013 ·07	1013 ·15	1013 ·28	1013 ·38	1013 ·39	1013 ·38	1013 ·35	1013 ·30	1013 ·31	1013 ·32	1013 ·41	1013 ·58	1013 ·79	1013 ·93	1013 ·91	1013 ·83	1013 ·17

350. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. **August, 1932.**

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	011·9	012·2	012·7	013·2	014·0	014·9	015·8	016·6	017·2	018·1	018·4	018·7	018·9	019·1	019·1	019·2	019·4	019·8	019·9	020·3	020·4	020·5	020·4	020·1	017·4
2	020·0	019·2	018·0	017·2	017·0	016·1	015·4	014·9	014·5	013·9	013·4	013·3	013·2	013·8	014·1	014·2	014·5	015·1	015·3	015·9	016·8	017·1	017·7	017·9	015·8
3	017·5	017·3	017·4	017·5	017·9	018·0	018·1	018·0	018·3	018·3	018·0	018·3	018·3	018·1	018·0	018·0	017·9	017·7	017·5	017·3	017·4	017·1	017·0	016·9	017·8
4	016·7	016·9	016·5	016·3	016·1	016·0	016·1	016·4	016·5	016·6	016·9	017·2	017·6	017·6	017·6	017·6	017·5	017·4	017·5	017·8	018·1	018·2	018·5	018·6	017·1
5	018·7	019·2	019·1	019·0	019·1	019·4	019·8	020·3	020·6	021·1	021·3	021·5	021·7	021·9	021·6	021·5	021·5	021·6	021·6	021·8	021·9	021·9	021·9	021·3	020·7
6	021·0	020·0	019·8	020·1	019·5	019·6	019·7	019·8	019·8	020·0	020·3	020·7	021·2	021·4	021·7	021·8	022·1	022·6	022·8	023·1	024·1	024·4	024·3	024·2	021·4
7	024·0	023·7	023·5	023·3	023·2	023·2	023·2	023·3	023·0	023·0	023·1	022·8	022·7	022·7	022·3	021·7	021·6	021·8	021·6	021·6	021·7	021·7	021·4	021·2	022·6
8	020·9	020·6	020·5	020·4	020·2	020·3	020·6	020·7	020·9	020·9	020·8	020·9	021·0	020·9	020·8	020·6	020·5	020·5	020·6	020·8	021·3	021·3	021·2	021·2	020·8
9	021·2	021·0	020·8	020·6	020·8	021·2	021·3	021·4	021·6	021·5	021·0	020·9	020·6	020·6	020·4	020·0	019·8	019·4	019·2	019·1	019·1	018·5	018·3	017·7	020·3
10	017·1	016·5	015·7	014·8	014·3	014·3	014·6	014·6	014·6	014·4	014·2	014·5	014·0	013·5	013·5	012·9	012·9	012·5	012·1	011·4	010·5	009·8	009·2	009·4	013·6
11	009·2	008·9	007·5	007·1	006·5	006·5	006·6	005·9	006·0	005·0	005·4	005·0	004·9	004·8	004·4	004·3	004·0	003·8	003·7	004·2	004·2	004·2	004·3	004·3	005·6
12	004·3	004·4	004·3	004·4	004·6	005·2	005·9	006·9	007·3	007·9	008·4	009·0	009·1	009·5	009·6	009·7	009·8	009·7	009·5	009·6	009·4	008·8	008·0	007·4	007·5
13	006·8	006·4	005·8	005·1	005·2	005·1	005·0	004·9	004·7	004·8	004·8	004·7	004·9	004·9	004·9	005·0	004·7	005·0	005·4	006·1	006·6	007·0	007·1	007·2	005·5
14	007·3	007·5	007·4	007·6	007·8	008·4	008·8	009·2	009·7	010·1	010·1	010·4	010·7	010·9	011·5	011·8	012·3	013·0	013·7	014·5	015·5	016·4	017·1	017·7	011·0
15	017·8	018·0	018·3	019·0	019·4	020·0	020·6	021·0	021·2	021·4	021·7	022·0	022·0	022·7	022·9	022·7	022·6	022·9	023·3	023·3	023·6	023·4	023·6	023·7	021·4
16	023·4	023·1	022·9	023·0	022·9	022·9	023·0	023·0	022·8	022·8	022·9	022·9	022·9	022·9	023·0	022·8	022·8	022·8	023·1	023·4	023·9	024·0	023·8	023·6	023·1
17	023·1	023·1	023·1	023·4	023·1	023·1	023·4	023·7	023·7	023·6	023·5	023·5	023·9	023·7	023·3	023·2	022·8	023·0	023·1	022·9	023·2	023·6	023·2	023·0	023·3
18	022·9	022·7	022·8	022·6	022·5	022·7	023·0	022·7	022·6	022·6	022·3	022·0	021·7	021·1	021·1	020·7	020·6	020·4	019·8	019·9	020·0	019·9	019·4	019·5	021·6
19	019·3	018·9	018·5	018·3	018·3	018·4	018·6	018·5	018·3	018·1	018·3	018·2	018·2	017·7	016·8	016·7	016·6	016·7	017·0	016·8	017·0	016·5	014·2	014·8	017·6
20	014·4	014·7	013·9	014·1	013·5	013·1	012·5	012·4	012·2	011·8	011·5	011·4	011·6	011·4	011·1	010·6	010·3	010·2	010·3	010·5	010·9	010·8	010·5	010·4	011·9
21	009·9	009·7	009·5	009·6	009·4	009·5	009·8	010·1	010·3	010·7	010·7	010·8	011·0	011·1	011·0	011·1	011·4	011·8	012·2	012·5	013·0	013·3	013·5	013·8	011·0
22	013·9	014·2	014·2	014·6	014·9	015·4	016·2	016·9	017·2	017·7	018·1	018·5	019·0	019·3	019·3	019·4	019·7	019·9	020·2	020·9	021·3	021·7	022·0	021·8	016·0
23	021·5	021·3	021·2	020·8	020·6	021·1	021·5	021·4	021·9	022·0	022·1	022·2	022·2	022·2	021·9	021·7	021·6	021·5	021·4	021·2	021·2	021·0	021·0	020·9	021·5
24	020·9	021·2	021·2	021·1	021·1	021·3	021·6	021·7	021·8	021·9	021·7	021·8	021·8	021·9	021·4	021·2	021·3	021·5	021·9	021·9	022·3	022·3	022·3	021·6	021·6
25	021·1	021·0	021·0	020·8	020·7	020·9	020·9	020·8	020·7	020·4	019·8	019·8	019·7	019·7	018·9	018·6	018·5	018·5	018·5	018·8	018·9	018·8	018·5	018·4	019·6
26	017·8	017·1	016·9	016·6	016·4	016·3	016·5	016·4	015·8	016·0	015·7	015·9	015·9	016·1	015·8	015·6	015·4	015·4	015·7	016·4	016·9	017·5	018·1	018·7	016·4
27	019·0	019·3	019·3	019·5	019·7	020·1	020·8	021·1	021·6	022·1	022·1	021·9	021·9	021·6	021·3	021·1	020·7	020·4	020·3	020·2	020·3	020·0	019·7	019·0	020·5
28	018·6	018·4	017·8	017·2	016·3	016·2	016·0	015·7	015·7	015·4	014·8	014·7	014·5	013·9	013·0	012·4	012·0	012·2	012·2	012·1	012·2	012·1	011·6	011·1	014·6
29	010·6	010·1	009·5	008·9	008·5	008·3	008·4	008·0	007·6	007·3	007·0	006·7	006·3	006·1	006·0	005·7	005·7	005·7	005·8	006·3	006·7	007·0	007·2	007·3	007·4
30	007·5	007·5	007·2	007·3	007·3	007·5	008·0	008·3	008·6	008·7	008·9	009·6	009·7	010·3	011·0	011·6	012·0	012·5	012·8	013·5	014·0	014·4	014·7	014·7	010·2
31	015·1	015·3	015·2	015·5	015·6	016·1	016·6	017·0	017·3	017·7	018·0	018·2	018·2	018·2	018·3	018·1	017·9	017·8	017·9	018·2	018·2	018·1	017·7	017·5	017·2
Mean (Station level)	1016 ·56	1016 ·43	1016 ·18	1016 ·09	1016 ·01	1016 ·17	1016 ·40	1016 ·50	1016 ·58	1016 ·64	1016 ·62	1016 ·71	1016 ·75	1016 ·76	1016 ·63	1016 ·50	1016 ·47	1016 ·55	1016 ·64	1016 ·85	1017 ·12	1017 ·14	1017 ·01	1016 ·93	1016 ·59
Mean (Sea level)	1018 ·21	1018 ·08	1017 ·83	1017 ·74	1017 ·66	1017 ·82	1018 ·05	1018 ·14	1018 ·22	1018 ·28	1018 ·25	1018 ·34	1018 ·38	1018 ·39	1018 ·26	1018 ·13	1018 ·10	1018 ·19	1018 ·28	1018 ·49	1018 ·76	1018 ·78	1018 ·65	1018 ·57	1018 ·23
Hour G.M.T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

351. Cahirciveen (Valentia Observatory): H_b (height of barometer cistern above M.S.L.) = 13·7 metres. September, 1932.

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
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	017·2	016·9	016·7	016·2	015·9	016·1	016·0	016·1	015·9	016·1	016·3	015·6	015·3	015·3	014·9	014·6	014·3	014·1	014·1	014·3	014·5	014·7	014·5	014·4	015·5
2	014·4	013·8	013·3	013·0	012·6	012·4	012·4	012·3	012·2	011·7	010·8	010·4	009·8	009·1	008·4	008·2	008·3	008·5	008·7	009·2	009·4	009·3	009·1	008·9	010·8
3	008·5	008·0	007·4	007·1	007·1	007·1	007·5	007·6	007·7	008·2	008·8	009·4	009·8	010·1	010·6	011·0	011·5	012·2	013·0	013·9	014·4	015·0	015·3	015·8	010·1
4	015·9	016·0	016·1	016·3	016·6	016·7	016·9	017·3	017·4	017·9	017·7	017·7	017·6	017·3	017·1	016·7	016·2	015·8	015·6	015·5	015·1	014·7	014·1	013·3	016·3
5	012·5	011·5	010·3	009·4	007·9	006·6	005·3	004·3	004·2	003·8	003·6	003·4	003·5	003·6	003·8	004·5	005·1	005·7	006·1	006·6	006·6	006·3	006·1	005·4	006·3
6	005·0	004·3	003·8	002·9	002·8	002·3	002·2	002·5	002·5	002·9	003·2	003·4	003·5	003·7	003·7	003·8	003·9	004·2	004·2	004·5	004·7	004·5	004·4	004·3	003·7
7	004·6	005·1	005·2	005·3	005·4	005·4	005·7	005·7	005·6	005·3	004·8	004·0	002·4	000·9	999·3	997·3	996·3	996·2	996·0	995·8	995·2	994·6	993·9	993·4	001·2
8	992·9	992·4	992·1	991·6	991·2	991·0	991·3	991·6	991·9	992·1	992·1	992·2	992·8	993·6	994·6	995·1	995·7	996·7	998·0	999·6	000·7	001·8	002·7	003·3	994·7
9	004·1	004·5	005·0	005·1	005·2	006·5	007·3	007·7	008·2	008·5	008·9	008·5	008·8	008·8	008·8	008·5	008·4	008·8	008·5	008·6	008·4	007·7	007·4	006·3	007·4
10	005·6	004·2	003·2	003·6	003·4	003·7	004·4	005·0	005·6	005·9	006·2	006·7	007·0	007·4	007·4	007·6	007·7	007·6	007·6	007·8	007·0	006·2	004·8	003·2	005·8
11	001·2	000·0	999·8	000·1	001·0	002·7	004·3	005·6	006·9	007·8	008·8	009·3	010·4	011·0	011·1	011·5	011·9	012·4	012·4	012·9	013·1	013·9	014·0	013·9	007·9
12	013·9	013·4	013·3	012·7	012·5	012·1	012·2	012·3	012·8	013·4	014·0	014·3	014·4	014·6	014·7	014·8	014·8	014·9	015·0	015·2	015·3	015·9	016·0	015·8	014·1
13	015·8	015·9	015·8	015·8	015·7	016·0	016·3	016·9	017·5	017·5	017·4	017·7	017·7	017·9	017·8	017·9	018·1	018·8	019·1	019·4	019·8	020·0	020·1	020·3	017·6
14	020·4	020·5	020·6	020·8	020·9	021·5	021·8	022·2	022·5	023·1	023·7	024·2	024·4	024·8	024·8	024·9	024·8	024·9	025·3	025·6	026·0	026·3	026·4	026·6	023·5
15	026·5	026·4	026·3	026·3	026·3	026·9	027·4	027·6	027·6	027·9	027·7	027·8	027·6	027·3	026·8	026·6	026·1	025·7	025·6	026·1	026·0	025·8	025·8	025·7	026·7
16	025·6	024·9	024·8	024·3	023·3	023·3	023·1	023·0	022·9	022·7	022·5	022·2	022·0	022·0	021·9	021·5	020·9	020·5	020·7	020·9	021·2	021·2	021·2	020·9	022·5
17	020·7	020·4	020·1	019·9	019·7	019·7	019·8	019·6	019·5	019·5	019·4	019·0	018·3	018·0	017·4	017·1	016·6	016·1	015·8	015·8	015·6	014·9	014·6	013·8	018·1
18	013·2	012·5	012·0	011·2	010·4	009·9	009·7	009·3	009·4	009·1	008·6	008·4	008·3	008·1	008·0	007·9	008·0	007·7	007·8	008·1	008·4	008·6	008·8	009·1	009·4
19	009·1	009·1	009·2	009·4	009·5	010·1	010·4	010·6	011·1	011·1	011·5	011·8	011·9	011·8	012·0	012·0	012·2	012·7	013·4	014·4	014·9	015·5	016·1	016·3	011·8
20	016·3	016·6	017·2	017·2	017·5	017·7	017·7	018·6	018·8	019·6	019·6	019·7	019·5	019·6	019·3	019·3	019·4	019·9	020·1	020·2	020·4	020·3	021·0	020·9	018·9
21	021·2	021·1	021·3	021·1	020·9	020·8	020·9	020·9	020·9	020·6	020·3	020·0	019·3	018·9	018·0	017·7	017·4	017·2	017·1	016·9	016·4	015·5	014·8	014·1	019·0
22	013·0	011·8	011·6	010·4	009·5	009·1	008·7	008·3	007·6	007·3	006·5	006·0	005·7	004·8	004·3	004·1	004·1	004·3	004·3	004·2	004·4	004·3	004·2	004·0	007·0
23	003·9	003·7	003·2	003·1	003·0	003·1	003·4	003·6	004·0	004·2	004·2	003·9	003·8	003·7	003·6	003·8	003·8	004·0	004·2	004·4	004·5	004·3	004·0	003·9	003·8
24	003·7	003·3	002·7	001·7	001·1	000·5	000·3	999·9	999·6	998·9	998·7	998·1	997·6	997·0	996·7	996·3	996·0	996·0	996·1	996·2	996·3	996·2	996·2	996·1	998·7
25	995·9	995·8	995·9	996·0	995·9	995·9	996·0	996·2	996·4	996·9	998·6	999·1	999·9	000·7	001·1	001·9	002·3	003·0	003·6	004·3	004·3	005·1	005·3	005·6	999·6
26	006·4	006·5	006·6	007·3	007·5	008·3	009·7	010·3	010·8	011·5	011·8	012·2	012·9	012·7	012·9	013·3	013·5	014·4	015·1	016·2	017·0	017·8	018·5	019·0	011·9
27	019·4	019·9	020·4	021·1	022·0	022·6	023·6	024·3	025·0	025·6	026·2	026·5	026·7	026·9	027·0	027·3	027·5	028·3	028·7	029·6	029·9	030·3	030·6	030·7	025·6
28	030·8	030·6	030·6	030·4	030·4	030·5	030·9	031·0	030·9	030·8	030·8	030·1	029·9	029·3	028·7	028·0	027·6	027·6	027·7	027·4	027·1	026·7	026·0	025·8	029·3
29	025·0	024·1	023·2	022·7	022·4	021·5	021·2	020·6	020·2	019·0	017·5	016·7	015·9	014·6	013·1	011·6	011·1	010·4	009·4	008·8	007·9	006·9	006·3	005·7	016·1
30	005·0	004·5	004·1	003·6	003·6	003·9	004·0	004·2	004·2	004·3	004·4	004·5	003·9	003·4	003·4	003·6	003·8	004·5	005·1	005·6	005·9	006·4	007·0	007·7	004·6
Mean (Station level)	1012·26	1011·92	1011·73	1011·52	1011·37	1011·46	1011·68	1011·84	1011·99	1012·11	1012·15	1012·09	1012·02	1011·90	1011·71	1011·61	1011·58	1011·77	1011·94	1012·27	1012·36	1012·36	1012·31	1012·14	1011·93
Mean (Sea level)	1013·91	1013·57	1013·38	1013·17	1013·02	1013·11	1013·33	1013·49	1013·63	1013·75	1013·79	1013·73	1013·66	1013·54	1013·35	1013·25	1013·22	1013·41	1013·58	1013·91	1014·01	1014·01	1013·96	1013·79	1013·57

352. Cahirciveen (Valentia Observatory): H_b - 13·7 metres. October, 1932.

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
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	007·8	008·5	008·9	009·6	010·8	011·1	012·0	013·2	013·8	014·6	015·4	015·7	016·4	016·6	016·9	017·6	018·1	019·1	019·6	020·1	020·6	020·9	021·1	021·1	015·1
2	021·0	020·8	020·4	019·9	019·5	019·0	018·7	018·8	018·7	018·9	018·8	018·6	018·8	018·8	018·9	019·0	019·1	019·3	019·6	020·2	020·4	020·5	020·7	020·7	019·6
3	020·6	020·4	020·2	020·0	019·9	019·9	019·7	020·1	020·3	020·5	020·6	020·9	021·1	021·1	021·3	021·5	021·8	022·5	022·8	023·2	023·4	023·5	023·5	023·3	021·3
4	023·3	023·1	022·7	022·6	022·5	022·3	022·2	022·2	022·0	021·8	021·5	021·3	020·9	020·3	019·7	019·5	019·4	019·1	018·9	018·6	018·5	018·5	018·1	017·7	020·8
5	017·3	016·8	016·6	016·2	016·1	015·9	016·3	016·3	016·4	016·5	016·2	015·7	015·6	015·4	015·2	014·9	014·9	014·8	014·7	014·7	014·2	014·2	013·9	012·9	015·6
6	012·4	011·8	011·0	010·5	010·0	009·5	009·2	008·9	008·7	008·5	008·2	007·9	007·4	006·9	006·2	005·3	005·0	004·5	005·1	005·0	004·8	004·6	004·3	003·7	007·7
7	003·1	002·7	001·6	000·2	999·1	997·3	996·2	994·9	993·5	991·7	989·9	987·9	986·5	986·6	986·4	986·0	986·1	986·2	986·1	986·3	986·0	985·7	985·7	985·7	991·7
8	985·3	985·1	984·7	984·5	984·3	984·1	984·0	984·0	984·0	984·1	984·2	984·4	984·3	984·1	984·2	984·0	984·3	984·6	985·0	985·2	985·3	985·4	985·6	985·7	984·6
9	985·7	985·8	986·0	985·9	986·0	986·2	986·4	986·8	986·9	987·0	986·9	987·0	986·6	986·4	986·2	985·9	986·0	986·1	986·4	987·2	987·8	988·3	989·0	989·8	986·7
10	990·5	991·3	991·8	992·9	993·8	994·5	995·5	996·4	997·1	997·6	998·0	998·4	998·7	998·8	998·9	999·2	999·5	999·8	999·8	000·1	000·1	000·2	000·3	000·2	997·0
11	000·8	000·2	999·8	999·9	000·1	000·4	000·6	001·0	001·3	001·5	001·9	002·2	002·2	002·3	002·4	002·5	003·1	003·4	003·9	004·7	005·1	005·1	005·3	005·6	002·2
12	005·7	005·9	005·9	006·0	005·8	006·1	006·4	006·4	006·7	006·8	007·0	007·4	007·4	007·2	006·6	006·1	005·5	005·0	004·4	003·2	001·8	002·4	002·7	002·5	005·5
13	002·2	002·3	002·2	002·5	002·6	002·8	003·1	003·3	004·2	004·6	005·0	004·9	004·8	004·5	004·0	004·0	003·4	003·2	002·7	001·9	001·0	999·7	997·8	996·4	002·8
14	996·3	996·7	997·4	998·0	999·3	000·7	002·0	003·5	005·0	006·5	007·6	008·4	009·1	009·9	010·6	011·0	011·6	012·4	013·5	014·3	014·8	015·5	015·8	016·1	006·9
15	016·6	017·1	017·4	017·5	017·7	017·9	018·0	018·7	018·7	018·7	018·8	018·4	018·1	017·2	016·8	016·6	016·5	016·1	015·6	014·9	014·5	013·8	013·9	013·9	016·9
16	014·2	014·3	014·2	014·0	014·1	014·2	014·1	014·1	014·1	014·0	014·0	014·0	014·4	014·1	014·0	013·8	013·7	014·2	014·7	015·1	015·9	016·1	016·6	016·9	014·5
17	017·5	018·2	018·4	018·6	019·0	019·5	019·8	020·1	020·2	020·0	019·5	018·9	018·1	017·2	016·4	015·3	014·9	014·0	013·8	013·2	013·6	014·4	014·9	015·4	017·2
18	015·8	016·4	017·0	017·5	018·5	019·6	020·2	021·7	022·7	023·3	023·9	024·2	024·4	024·7	024·9	025·0	025·0	025·3	025·4	025·6	025·3	025·6	025·3	024·7	022·4
19	024·2	023·7	023·1	022·0	021·3	019·9	018·7	017·6	016·7	015·2	013·1	011·1	009·2	007·6	006·1	006·3	006·3	006·3	006·0	005·9	005·5	005·3	005·0	004·6	012·9
20	003·7	003·4	002·8	002·2	001·8	001·5	001·4	001·6	001·5	001·2	000·9	000·1	999·5	998·7	997·6	997·6	996·3	995·8	995·3	994·0	993·7	993·6	993·2	993·9	999·0
21	994·3	995·5	995·3	995·8	995·6	996·2	996·5	997·0	997·4	997·2	997·1	997·0	996·6	996·1	995·6	995·7	995·6	995·8	995·7	995·1	994·9	994·8	994·7	993·9	995·8
22	994·1	994·8	994·5	995·0	995·6	996·2	996·9	997·7	998·7	999·5	000·1	000·7	001·0	001·6	001·9	002·2	002·5	002·8	003·1	002·9	003·0	003·1	002·8	002·1	999·5
23	002·0	001·8	001·8	002·0	002·2	002·3	002·2	002·1	001·9	001·8	001·4	001·7	001·9	002·8	003·7	004·4	004·6	004·4	004·5	003·9	003·5	002·9	002·3	001·9	002·7
24	001·7	001·6	001·5	001·6	002·0	002·5	002·9	003·8	004·5	005·1	006·0	007·1	007·6	008·0	008·9	009·6	010·9	012·4	012·9	013·8	013·9	014·5	014·6	014·3	007·3
25	014·3	014·0	013·1	012·8	012·1	011·2	010·6	010·1	009·3	008·6	007·8	007·0	006·3	005·3	004·3	003·4	002·9	002·4	001·9	001·2	000·7	000·2	999·8	999·4	006·9
26	999·3	999·5	999·7	999·8	000·3	000·5	000·9	001·9	002·7	003·2	004·1	004·8	005·1	005·2	005·6	005·5	005·5	005·4	005·3	005·1	004·6	004·2	003·4	002·8	003·0
27	002·2	001·4	000·7	000·1	000·0	998·7	997·9	996·1	994·0	992·7	990·5	990·6	992·4	995·7	997·5	998·8	999·8	001·5	002·0	002·5	003·3	004·2	004·9	005·7	998·8
28	006·2	006·7	007·2	007·9	008·7	009·6	010·4	011·7	013·1	013·4	014·0	014·4	014·8	015·3	015·3	015·9	016·2	017·0	017·4	017·5	017·6	017·5	017·8	017·1	013·2
29	016·1	015·9	014·9	013·3	012·2	010·8	009·1	007·1	004·9	003·9	002·5	001·7	000·9	000·2	999·3	999·1	999·2	999·3	999·5	999·4	999·5	999·8	000·2	001·0	004·9
30	001·3	001·9	002·6	003·0	003·8	004·6	005·3	006·1	006·5	007·3	007·8	008·2	008·4	008·5	009·0	009·3	009·6	010·0	010·2	010·6	010·7	010·8	011·2	011·7	007·2
31	012·1	013·1	013·6	013·7	014·2	014·6	014·9	015·1	015·2	015·3	015·6	015·4	015·1	014·5	014·3	013·8	013·7	013·7	013·8	013·7	013·6	013·7	014·0	013·7	014·1
Mean (Station level)	1006·67	1006·80	1006·68	1006·63	1006·74	1006·76	1006·84	1007·04	1007·12	1007·13	1007·04	1006·97	1006·89	1006·83	1006·73	1006·73	1006·81	1006·98	1007·08	1007·07	1007·02	1007·07	1007·05	1006·92	1006·89
Mean (Sea level)	1008·33	1008·46	1008·34	1008·29	1008·40	1008·42	1008·50	1008·70	1008·77	1008·78	1008·69	1008·62	1008·54	1008·48	1008·38	1008·38	1008·46	1008·63	1008·73	1008·72	1008·67	1008·73	1008·71	1008·58	1008·54
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

353. Cahirciveen (Valentia Observatory): H_b (height of barometer cistern above M.S.L.) = 13·7 metres. November, 1932.

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	013·5	013·3	013·0	012·7	012·7	012·5	012·4	012·4	012·8	013·5	013·7	014·0	013·9	014·1	014·0	013·9	013·7	013·8	013·8	013·7	013·3	012·7	012·6	012·4	013·3
2	011·5	011·3	011·2	011·2	011·6	011·7	012·0	012·2	012·1	011·9	011·9	011·8	011·7	011·4	011·3	011·4	011·5	011·7	011·9	012·0	012·0	012·2	012·2	012·0	011·7
3	011·8	011·4	010·8	009·9	009·5	009·1	008·8	008·8	008·9	008·3	008·0	007·8	007·3	006·4	005·6	004·9	004·2	003·5	003·0	004·8	005·4	006·2	006·7	006·9	007·5
4	007·3	007·7	008·7	009·7	010·4	011·1	012·0	012·8	014·0	015·0	016·0	015·7	017·3	017·8	018·2	019·2	019·8	020·8	021·7	022·6	023·1	024·0	024·5	025·1	016·1
5	025·2	025·5	025·6	025·9	026·8	027·0	027·6	028·6	029·0	029·4	029·2	029·1	028·8	028·5	028·3	028·1	028·6	028·6	028·8	028·6	028·9	028·6	028·2	027·9	027·9
6	027·1	026·4	026·1	025·5	024·4	023·8	023·5	023·8	023·4	023·0	022·8	021·6	021·0	020·3	019·9	019·6	019·7	020·0	020·1	020·3	019·9	020·1	019·8	019·4	022·3
7	019·3	019·0	018·5	018·3	018·5	018·6	018·7	018·9	018·9	019·0	019·1	018·7	018·2	017·7	017·3	017·3	017·4	017·5	017·8	017·6	017·5	017·2	016·8	016·3	018·2
8	015·7	015·1	014·8	014·6	014·3	014·1	014·2	014·4	014·5	014·5	014·3	013·5	013·3	012·8	012·4	012·5	012·5	012·5	012·3	011·8	011·9	011·5	011·3	010·8	013·4
9	010·7	010·4	010·3	009·5	009·5	009·8	009·8	010·3	010·3	010·4	010·4	010·3	010·0	010·0	010·2	010·5	010·8	011·2	011·8	012·2	012·7	013·2	013·5	014·0	010·9
10	014·3	014·7	014·8	015·2	015·1	015·3	015·8	016·0	016·3	016·2	015·9	015·6	015·3	015·3	015·3	015·0	015·2	015·1	014·6	015·0	014·8	014·6	014·3	013·8	015·1
11	013·9	013·5	013·0	012·5	011·9	011·2	011·1	010·5	010·3	010·0	009·7	009·8	010·1	010·5	010·5	011·2	011·9	012·6	013·4	014·3	014·7	015·4	015·9	016·4	012·2
12	015·4	016·5	016·9	017·0	017·2	017·6	017·9	018·5	018·8	019·6	019·9	019·2	019·2	019·3	019·6	020·1	020·4	020·8	021·2	021·1	021·7	022·5	022·7	022·7	019·3
13	022·8	022·9	023·1	023·7	024·1	024·8	025·2	025·8	026·0	026·2	026·3	026·4	026·5	026·7	026·8	027·1	027·4	027·5	027·7	027·7	028·0	028·2	028·3	028·4	026·0
14	028·4	028·6	028·7	028·8	028·5	028·6	029·0	029·0	029·1	029·1	029·0	028·5	028·3	028·2	028·1	028·3	028·1	028·0	028·0	027·6	027·5	027·2	026·8	026·5	028·3
15	026·1	025·7	025·6	025·2	024·9	024·6	024·2	023·9	023·6	023·0	022·5	022·0	021·5	020·7	020·1	019·6	019·5	018·7	018·2	018·1	017·8	017·1	016·5	015·6	021·7
16	015·3	015·0	014·7	014·2	014·4	014·7	015·1	015·3	015·8	016·3	016·9	017·0	017·2	017·3	017·4	017·8	017·9	018·2	017·9	018·0	017·7	017·2	017·0	016·8	016·4
17	015·8	016·0	015·8	015·7	015·6	015·4	015·3	015·5	015·5	015·5	015·6	015·2	014·5	014·1	013·4	012·7	012·6	012·5	012·6	012·4	011·7	011·2	010·4	009·8	014·1
18	009·7	009·2	008·7	008·4	008·1	007·8	007·5	007·5	007·8	007·9	008·2	007·8	007·5	007·5	007·6	008·0	008·6	009·4	010·3	010·7	011·1	011·5	012·1	012·7	008·9
19	013·0	013·1	013·3	013·5	013·8	014·3	014·8	015·2	015·3	015·4	015·3	015·0	014·4	013·7	013·4	013·3	013·2	013·1	012·8	012·4	011·9	011·2	010·4	009·7	013·5
20	009·0	008·2	007·5	006·3	006·0	006·4	007·0	007·3	007·8	008·3	008·2	008·1	007·9	007·8	007·6	007·8	008·0	008·2	008·2	008·8	009·1	009·3	009·8	010·4	008·0
21	010·6	011·1	011·5	011·6	012·1	012·8	013·5	014·1	014·8	015·6	016·0	015·6	015·5	015·7	015·9	015·7	016·5	015·9	015·7	015·0	014·6	013·3	012·0	010·1	014·0
22	008·8	007·5	006·8	005·5	004·5	003·5	002·6	001·0	000·7	999·9	000·6	001·1	001·7	002·9	004·0	005·0	005·7	006·8	006·9	007·1	007·3	007·3	007·4	007·2	004·7
23	007·2	006·9	007·0	006·6	006·4	006·3	006·3	006·5	007·0	007·5	008·1	008·4	008·2	008·6	008·7	009·0	009·5	010·1	010·8	011·2	011·5	011·7	011·6	011·9	008·5
24	012·0	011·7	011·7	011·8	011·9	012·1	012·5	012·9	013·7	014·0	014·5	014·2	013·8	013·4	013·3	013·2	013·3	013·8	013·8	013·8	014·0	014·5	015·1	015·4	013·3
25	015·8	015·9	016·0	016·0	016·0	016·4	016·5	016·8	017·0	016·8	016·4	015·5	014·9	013·8	012·4	011·4	010·5	009·4	008·1	006·7	004·8	004·1	004·4	004·4	012·7
26	004·1	003·4	003·9	004·4	004·6	005·0	005·4	005·8	005·9	006·3	006·8	006·5	006·6	006·4	006·6	006·8	007·6	008·0	009·2	009·6	010·3	010·9	011·3	011·7	006·8
27	012·5	012·6	012·8	013·2	014·2	014·9	015·5	016·7	018·1	019·4	021·1	022·7	023·3	024·7	025·5	026·8	027·3	028·2	029·0	029·5	030·2	030·5	030·6	030·9	021·7
28	031·0	030·8	030·7	030·2	030·5	030·9	031·1	031·2	031·5	032·0	032·3	032·0	031·2	030·8	030·5	030·4	030·5	030·5	030·3	029·9	029·6	029·1	028·7	028·2	030·6
29	027·6	026·6	025·7	024·7	023·8	022·8	022·4	021·8	021·1	020·2	019·4	018·1	016·6	015·1	013·4	012·4	011·3	011·2	012·2	012·1	011·8	011·8	011·4	010·8	018·0
30	010·1	009·5	008·6	007·4	006·6	005·4	004·8	003·7	003·2	002·6	001·6	000·2	999·3	999·1	999·0	999·3	000·5	001·2	001·9	002·8	003·3	004·0	004·7	005·9	003·6
Mean (Station level)	1015 ·59	1015 ·32	1015 ·20	1014 ·97	1014 ·94	1014 ·95	1015 ·09	1015 ·24	1015 ·44	1015 ·56	1015 ·66	1015 ·42	1015 ·17	1015 ·02	1014 ·88	1014 ·94	1015 ·12	1015 ·30	1015 ·47	1015 ·58	1015 ·60	1015 ·61	1015 ·57	1015 ·47	1015 ·30
Mean (Sea level)	1017 ·27	1017 ·00	1016 ·88	1016 ·65	1016 ·62	1016 ·63	1016 ·77	1016 ·92	1017 ·12	1017 ·24	1017 ·34	1017 ·10	1016 ·84	1016 ·69	1016 ·56	1016 ·62	1016 ·80	1016 ·98	1017 ·15	1017 ·26	1017 ·28	1017 ·29	1017 ·25	1017 ·15	1016 ·98

354. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. December, 1932.

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	006·7	007·5	008·4	009·3	009·8	010·7	011·4	012·2	012·9	013·9	014·4	014·7	014·4	014·1	013·9	013·8	013·6	013·4	012·9	011·7	010·8	009·5	008·5	007·4	011·5
2	005·8	003·8	002·3	000·2	998·6	997·8	998·1	999·1	999·4	999·8	000·0	999·5	999·1	998·9	998·6	998·8	998·6	998·6	998·7	998·8	998·9	999·2	999·2	999·4	999·8
3	999·2	999·2	999·1	999·1	999·1	999·2	999·3	999·7	000·1	000·3	000·6	000·8	001·0	001·0	001·2	001·9	002·4	003·3	004·2	005·0	005·8	006·5	007·1	007·7	001·6
4	008·0	008·5	009·1	009·3	009·5	010·1	010·8	011·4	012·1	012·6	012·9	012·7	012·7	012·5	012·4	012·5	012·6	012·8	012·9	012·9	012·7	012·6	012·4	012·2	011·5
5	011·8	011·3	011·0	010·8	010·6	010·1	009·9	009·9	010·0	009·8	009·8	009·4	009·0	008·4	008·1	007·9	007·9	008·1	008·1	008·3	008·1	008·2	008·4	008·4	009·4
6	008·3	008·6	008·6	008·5	008·6	008·9	009·4	010·1	010·8	011·5	012·1	012·3	012·2	012·2	012·2	012·6	012·9	013·0	013·1	013·8	015·0	015·3	015·6	016·1	011·6
7	016·2	016·2	016·1	016·6	016·4	016·9	017·9	017·7	018·0	018·5	018·5	018·0	018·4	018·0	018·2	017·8	018·2	018·0	018·5	018·9	018·8	018·7	019·0	018·9	017·8
8	018·4	018·0	017·9	017·5	017·5	017·5	017·6	017·4	017·7	017·8	018·2	018·2	018·0	017·7	017·3	017·4	017·9	018·2	018·4	018·6	018·7	019·2	019·4	019·5	018·1
9	019·3	019·3	019·5	019·7	020·1	020·5	020·9	021·6	022·3	022·8	023·3	023·4	023·5	023·3	022·9	023·5	023·5	023·5	023·8	023·7	023·6	023·6	023·4	023·3	022·2
10	023·1	023·4	023·3	022·8	022·8	022·9	022·5	022·6	022·8	022·9	022·6	022·1	021·3	020·9	020·4	020·1	019·7	019·1	019·3	019·2	019·4	018·9	018·3	018·0	021·3
11	017·6	016·6	016·1	015·6	015·0	014·9	014·5	013·8	012·8	012·5	012·7	011·7	010·6	010·2	009·5	009·3	009·8	009·2	008·6	008·5	008·6	008·8	008·7	008·3	012·0
12	007·8	007·7	007·5	006·8	006·4	006·2	006·4	005·8	005·6	005·7	005·4	005·0	005·0	004·9	004·6	004·8	005·1	005·3	005·7	005·8	005·9	006·0	005·9	005·7	005·9
13	005·8	005·5	005·2	004·9	004·5	004·1	003·8	003·7	003·5	003·6	003·2	003·0	003·1	003·4	003·5	003·6	003·9	004·0	004·1	004·2	004·2	004·2	004·2	004·2	004·1
14	004·5	005·3	006·2	006·9	007·7	009·1	010·1	011·3	012·3	013·4	014·4	015·1	014·7	015·3	015·4	015·8	015·6	015·7	015·9	015·5	014·4	014·3	013·1	011·7	012·1
15	010·7	009·4	009·1	009·6	010·4	011·6	012·5	013·5	014·7	015·5	016·7	017·2	017·8	018·2	018·7	018·8	019·4	019·7	019·6	019·4	018·3	017·5	016·5	014·9	015·3
16	013·7	013·0	012·5	011·5	010·8	010·3	010·0	009·8	009·7	009·7	010·2	010·4	010·3	010·5	010·3	010·6	010·2	009·6	008·7	007·2	005·7	004·2	002·9	002·5	009·6
17	002·9	003·5	003·9	004·9	005·3	004·9	004·3	004·5	004·7	002·2	002·7	002·9	003·0	002·2	001·9	002·0	002·5	002·9	003·6	003·1	002·7	001·9	001·5	001·1	003·2
18	000·7	001·0	000·8	000·8	001·4	001·4	001·3	000·9	000·3	999·7	999·4	998·6	997·9	997·6	997·7	997·4	997·6	997·6	998·0	998·6	999·4	000·0	000·7	001·0	999·6
19	000·2	000·3	000·5	000·6	000·6	000·7	000·9	001·2	001·4	001·8	001·9	001·4	000·8	001·0	001·5	002·2	003·0	004·1	005·2	006·2	006·7	008·0	008·7	009·1	002·7
20	009·3	009·7	011·4	012·0	012·4	013·0	013·5	014·1	014·5	014·6	014·8	014·3	013·6	012·6	012·9	012·2	011·8	011·1	010·5	009·7	009·0	008·6	007·9	007·4	011·7
21	006·8	006·3	005·7	004·9	004·5	004·1	003·7	003·1	002·7	002·3	001·7	000·8	999·6	000·2	000·0	000·3	000·6	001·2	002·2	003·2	004·1	005·1	005·9	006·9	003·2
22	007·5	008·0	008·8	009·0	008·8	008·9	008·7	008·4	007·4	006·4	005·3	003·4	002·6	001·4	000·3	999·6	999·4	999·2	999·1	999·3	998·9	998·6	998·3	997·7	003·7
23	996·6	995·2	994·1	993·3	993·1	993·7	994·6	996·3	997·3	998·1	998·6	999·6	000·5	001·1	002·1	002·9	003·6	004·5	006·9	009·3	011·3	013·3	015·1	016·8	001·2
24	018·3	019·6	021·1	022·1	023·1	024·3	025·5	026·4	027·5	028·6	029·4	029·9	030·0	030·4	030·7	031·6	032·2	032·7	032·9	033·3	033·7	034·0	034·1	034·2	028·2
25	034·1	033·9	034·1	034·0	033·7	033·5	033·1	033·1	033·5	033·6	033·7	033·5	033·0	032·3	031·8	031·4	031·1	030·8	030·7	030·9	030·7	030·6	030·4	030·3	032·5
26	029·5	029·4	029·4	028·9	028·6	028·2	027·7	027·5	027·3	027·1	027·2	026·5	025·5	024·7	023·8	023·4	022·6	022·2	021·7	021·0	020·7	020·3	019·9	019·5	025·3
27	019·1	018·6	018·7	018·8	019·1	019·0	019·4	019·6	020·3	020·9	021·7	021·4	020·3	020·7	020·4	020·7	020·7	020·6	020·8	021·0	020·6	020·3	019·5	019·4	020·1
28	018·7	017·8	017·2	016·5	015·5	014·8	013·9	013·3	012·7	011·9	010·9	009·5	008·8	008·2	007·9	007·4	007·0	006·5	006·3	005·9	005·1	004·3	003·7	002·9	010·6
29	001·9	000·8	999·7	998·8	997·9	996·8	996·1	995·0	995·3	996·4	997·0	997·3	997·8	998·5	999·0	999·8	000·5	001·1	001·3	002·1	002·5	002·8	002·9	002·9	999·3
30	002·8	002·8	002·5	002·4	002·3	002·4	002·0	002·5	002·9	003·0	003·4	003·3	003·1	003·1	002·6	002·5	002·1	001·5	000·8	000·1	998·0	996·4	995·1	993·5	001·5
31	991·2	988·6	986·2	983·3	982·1	979·7	979·3	980·5	981·4	982·1	982·7	983·6	984·1	984·4	985·3	986·4	987·6	988·7	989·7	990·7	991·8	992·9	993·8	995·0	986·3
Mean (Station level)	1010 ·21	1009 ·96	1009 ·87	1009 ·66	1009 ·55	1009 ·55	1009 ·65	1009 ·87	1010 ·13	1010 ·29	1010 ·50	1010 ·31	1010 ·07	1009 ·93	1009 ·84	1009 ·97	1010 ·12	1010 ·20	1010 ·39	1010 ·51	1010 ·45	1010 ·45	1010 ·33	1010 ·19	1010 ·09
Mean (Sea level)	1011 ·89	1011 ·64	1011 ·55	1011 ·34	1011 ·23	1011 ·23	1011 ·33	1011 ·55	1011 ·81	1011 ·97	1012 ·18	1011 ·98	1011 ·74	1011 ·60	1011 ·51	1011 ·64	1011 ·80	1011 ·88	1012 ·07	1012 ·19	1012 ·13	1012 ·13	1012 ·01	1011 ·87	1011 ·77
Hour G.M.T.	1.	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.

ANNUAL MEANS FROM HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

355. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. 1932.

Hour G.M.T.	1	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.	013·67	013·51	013·35	013·19	013·13	013·20	013·33	013·49	013·61	013·69	013·72	013·62	013·48	013·37	013·23	013·20	013·24	013·37	013·51	013·68	013·81	013·87	013·84	013·78	013·50
Sea Level.	015·35	015·19	015·03	014·87	014·81	014·88	015·01	015·17	015·28	015·36	015·39	015·29	015·15	015·04	014·90	014·87	014·91	015·04	015·18	015·35	015·48	015·55	015·52	015·46	015·17

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change†

356. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. 1932.

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.	1014·01	+0·67	+0·60	+0·55	+0·33	+0·06	-0·07	-0·15	-0·10	-0·03	+0·07	+0·02	-0·35	-0·86	-1·01	-1·06	-0·83	-0·61	-0·39	+0·01	+0·35	+0·55	+0·68	+0·74	+0·83
Feb.	1031·36	+0·31	+0·15	-0·04	-0·20	-0·26	-0·24	-0·25	-0·01	+0·23	+0·38	+0·40	+0·29	-0·04	-0·32	-0·60	-0·65	-0·52	-0·23	-0·02	+0·17	+0·32	+0·36	+0·38	+0·39
Mar.	1011·19	+0·12	+0·07	-0·22	-0·44	-0·47	-0·40	-0·25	-0·03	+0·15	+0·29	+0·28	+0·22	+0·12	-0·11	-0·28	-0·35	-0·31	-0·09	+0·15	+0·26	+0·32	+0·40	+0·33	+0·24
Apr.	1008·37	+0·21	-0·08	-0·25	-0·31	-0·38	-0·15	+0·08	+0·29	+0·31	+0·36	+0·35	+0·19	+0·07	-0·04	-0·24	-0·37	-0·47	-0·33	-0·31	+0·01	+0·23	+0·28	+0·27	+0·28
May	1009·59	+0·11	-0·01	-0·14	-0·25	-0·21	-0·09	+0·07	+0·16	+0·17	+0·17	+0·17	+0·12	+0·02	0·00	-0·08	-0·19	-0·27	-0·29	-0·23	-0·11	+0·16	+0·26	+0·26	+0·20
June	1016·19	+0·13	-0·03	-0·23	-0·38	-0·35	-0·19	-0·06	+0·09	+0·17	+0·14	+0·18	+0·16	+0·15	+0·12	+0·01	-0·17	-0·21	-0·23	-0·16	-0·06	+0·14	+0·27	+0·27	+0·24
July	1011·53	+0·09	-0·12	-0·34	-0·51	-0·60	-0·54	-0·36	-0·20	-0·01	+0·05	+0·15	+0·22	+0·20	+0·16	+0·10	+0·02	0·00	-0·02	+0·03	+0·17	+0·34	+0·46	+0·41	+0·30
Aug.	1016·59	+0·06	-0·08	-0·34	-0·43	-0·52	-0·38	-0·15	-0·05	+0·01	+0·07	+0·04	+0·12	+0·15	+0·15	+0·02	-0·12	-0·17	-0·09	0·00	+0·19	+0·46	+0·47	+0·34	+0·25
Sept.	1011·93	+0·18	-0·14	-0·32	-0·52	-0·65	-0·55	-0·32	-0·14	+0·02	+0·15	+0·21	+0·17	+0·11	0·00	-0·18	-0·26	-0·28	-0·08	+0·11	+0·45	+0·56	+0·57	+0·53	+0·38
Oct.	1006·89	-0·14	-0·02	-0·15	-0·20	-0·10	-0·09	-0·01	+0·18	+0·25	+0·25	+0·16	+0·07	-0·01	-0·08	-0·19	-0·19	-0·13	+0·04	+0·13	+0·11	+0·05	+0·09	+0·06	-0·08
Nov.	1015·30	+0·17	-0·09	-0·20	-0·41	-0·44	-0·42	-0·27	-0·10	+0·11	+0·24	+0·34	+0·11	-0·12	-0·26	-0·39	-0·32	-0·12	+0·06	+0·24	+0·36	+0·40	+0·42	+0·39	+0·30
Dec.	1010·09	-0·04	-0·28	-0·35	-0·55	-0·64	-0·62	-0·52	-0·28	+0·01	+0·17	+0·39	+0·21	-0·01	-0·13	-0·20	-0·06	+0·10	+0·20	+0·41	+0·54	+0·50	+0·50	+0·40	+0·27
Year.	1013·50	+0·16	0·00	-0·17	-0·32	-0·38	-0·31	-0·18	-0·02	+0·11	+0·20	+0·22	+0·13	-0·02	-0·13	-0·26	-0·29	-0·25	-0·12	+0·03	+0·20	+0·34	+0·40	+0·36	+0·30

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. Cahirciveen (Valentia Observatory): H_b = 13·7 metres. 1932.

Month	Jan.		Feb.		Mar.		Apr.		May.		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	013·2	011·3	043·3	041·3	018·8	010·8	010·6	995·1	005·7	996·9	011·5	005·4	006·4	989·2	020·6	011·7	017·5	014·0	021·2	007·7	014·1	012·3	014·7	005·9
2	013·0	010·5	041·3	038·5	012·0	009·1	995·1	988·2	014·2	005·6	011·4	010·0	009·1	006·4	020·1	013·2	014·6	008·1	021·1	018·6	012·4	011·0	007·4	997·7
3	015·1	012·5	038·5	033·0	018·5	012·0	998·0	985·5	020·1	014·2	010·1	009·2	008·6	999·3	018·5	016·9	015·8	007·1	023·5	019·6	012·0	002·8	007·7	999·1
4	014·7	003·2	033·0	025·1	020·0	016·6	011·9	998·0	020·1	017·0	017·5	009·7	009·3	999·4	018·6	015·9	017·9	013·3	023·4	017·7	025·1	006·9	012·9	007·6
5	013·0	994·0	027·0	023·5	016·6	007·1	017·6	011·9	019·0	016·0	021·9	017·5	010·1	008·3	021·9	018·5	013·3	003·4	017·7	012·9	029·4	025·1	012·2	007·9
6	996·4	979·2	027·0	018·7	013·2	008·1	017·0	003·2	016·0	009·8	025·6	021·9	011·8	008·2	024·4	019·5	005·4	002·1	012·9	003·7	027·9	019·4	016·1	008·2
7	997·9	995·8	024·7	018·4	014·9	013·1	016·1	003·2	009·8	004·6	026·2	025·1	018·7	011·8	024·2	021·1	005·7	993·4	003·7	985·6	019·4	016·3	019·0	016·1
8	002·2	997·9	025·3	023·3	013·1	007·7	021·1	014·1	004·6	002·3	025·8	020·8	023·1	018·5	021·3	020·2	003·3	991·0	985·8	983·9	016·3	010·8	019·6	017·2
9	998·6	976·1	023·3	020·1	017·4	009·1	014·1	997·9	013·2	002·8	020·8	014·2	024·0	021·4	021·7	017·7	009·1	003·3	989·8	985·6	014·0	009·5	024·2	019·1
10	981·7	972·9	031·1	022·8	017·8	016·1	005·8	995·5	014·0	006·2	014·2	011·5	021·4	016·6	017·7	009·2	007·8	003·1	000·3	989·8	016·3	013·8	023·3	018·0
11	001·0	981·6	032·6	029·8	021·2	016·6	025·0	005·8	008·0	001·3	011·5	009·7	018·3	015·4	009·4	003·7	014·1	999·5	005·6	999·7	016·4	009·5	018·0	008·3
12	001·8	983·8	030·9	028·6	022·2	020·3	032·4	024·9	001·5	998·2	016·6	009·7	018·0	012·6	009·8	004·3	016·1	012·1	007·5	001·2	022·8	016·4	008·3	004·6
13	009·0	983·6	031·4	029·9	020·8	015·0	031·4	011·9	005·1	999·3	018·9	016·5	012·6	004·3	007·4	004·7	020·3	015·7	005·0	996·4	028·4	022·7	005·8	003·0
14	009·0	990·2	038·2	031·1	017·9	014·2	013·6	003·5	009·5	005·1	022·9	018·6	012·1	003·2	017·7	007·1	026·6	020·3	016·1	996·2	029·1	026·5	015·9	004·2
15	009·4	001·0	038·8	037·2	019·0	017·2	012·7	002·3	010·1	008·4	024·4	022·4	012·0	005·6	023·7	017·7	027·9	025·6	019·0	013·8	026·5	015·6	019·7	008·5
16	005·8	995·3	039·3	037·2	019·0	016·3	018·4	012·7	013·7	009·6	024·4	023·1	013·7	004·9	024·0	022·8	025·7	020·5	016·9	013·7	018·2	014·2	014·9	002·5
17	014·1	003·9	037·3	034·3	022·4	017·0	019·5	016·7	013·8	005·0	023·1	019·7	024·3	013·7	023·9	022·7	020·9	013·8	020·3	013·1	017·0	009·8	005·6	001·1
18	020·3	013·1	037·3	034·3	026·0	022·4	020·8	019·5	007·1	003·4	020·2	017·5	025·6	024·0	023·0	019·4	013·8	007·7	025·6	015·4	012·7	007·3	001·5	997·4
19	023·7	019·9	039·9	037·1	025·6	023·1	020·4	007·7	007·1	998·4	017·8	015·7	025·6	022·0	019·5	014·2	016·3	009·1	024·7	004·6	015·4	009·7	009·1	000·1
20	024·7	021·9	043·7	039·9	024·4	022·1	007·7	999·2	006·1	002·6	017·5	015·6	022·0	018·3	014·8	010·2	021·1	016·2	004·6	993·1	010·4	005·7	015·0	007·4
21	023·1	019·2	044·1	041·4	024·0	021·0	010·0	999·1	012·8	006·0	022·3	017·2	019·0	015·5	013·8	009·4	021·3	014·1	997·5	993·9	016·6	010·4	007·4	999·5
22	030·0	023·1	042·0	038·4	025·5	023·0	011·0	007·7	012·5	008·1	027·4	022·3	016·6	014·3	022·0	013·8	014·1	003·9	003·1	993·8	010·1	999·9	009·0	997·7
23	031·9	028·9	038·4	030·9	023·0	011·7	017·9	010·1	013·7	008·8	028·2	026·7	016·6	011·1	022·3	020·5	004·5	002·8	004·6	001·4	011·9	006·1	016·8	992·8
24	035·8	024·9	030·9	022·0	011·7	999·1	018·6	017·5	018·6	013·4	027·7	023·3	011·1	005·9	022·3	020·8	003·9	996·0	014·8	001·4	015·4	011·6	034·2	016·8
25	041·6	035·8	027·7	024·9	999·1	988·3	018·6	011·0	018·6	014·5	023·3	016·7	006·2	004·1	021·6	018·4	005·7	995·7	014·5	999·4	017·0	015·8	034·2	030·3
26	043·1	040·5	027·3	024·0	001·0	989·6	011·0	005·3	014·5	012·4	016·7	009·2	006·5	003·8	018·7	015·3	019·0	005·6	005·7	999·3	011·7	003·2	030·3	019·5
27	042·9	038·6	028·2	025·9	990·6	988·2	005·3	994·3	016·5	014·2	009·2	005·2	008·8	005·2	022·1	018·7	030·8	019·0	005·7	990·3	030·9	011·7	021·7	018·2
28	038·6	031·7	027·8	024·0	995·5	988·1	995·0	993·3	017·0	014·3	009·9	005·0	007·2	004·1	019·0	011·1	031·1	025·8	017·9	005·7	032·3	028·2	019·4	002·9
29	037·2	031·4	025·3	018·6	995·5	984·1	995·8	993·5	016·5	013·5	009·5	997·6	007·0	003·3	011·1	005·7	025·8	005·7	017·1	999·1	028·2	010·8	003·0	994·7
30	041·4	037·2	-----	-----	990·9	983·3	997·1	994·6	013·5	002·0	997·9	987·5	006·3	004·3	014·7	017·1	007·7	003·3	011·7	000·9	010·8	998·9	003·4	993·5
31	043·7	041·1	-----	-----	010·4	990·9	-----	-----	005·4	000·8	-----	-----	011·7	005·0	018·3	014·7	-----	-----	015·6	011·7	-----	-----	995·0	979·1
Year.	1018 ·51	1009 ·68	1033 ·64	1029 ·45	1014 ·45	1008 ·43	1012 ·98	1004 ·11	1012 ·20	1006 ·93	1018 ·48	1014 ·15	1014 ·31	1009 ·02	1018 ·97	1014 ·72	1015 ·90	1008 ·37	1011 ·38	1002 ·23	1018 96·	1012 ·06	1014 ·37	1005 ·77

NOTE.- When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1006·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

† see page

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

358. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1932.

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

359. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

February, 1932.

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

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

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

360. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

March, 1932.

Hour G. M. T.	1.	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	77·0	77·0	77·0	77·0	76·9	76·5	76·0	76·0	76·0	76·4	77·9	77·9	78·1	78·9	78·9	78·7	78·9	78·1	76·9	77·0	76·6	76·8	76·6	76·0	77·2
2	76·2	75·3	75·4	75·3	74·4	74·2	74·0	74·9	76·0	76·6	77·4	77·9	78·4	78·5	78·3	78·4	78·3	78·1	77·8	77·2	77·0	76·5	76·0	75·9	76·6
3	75·8	75·4	75·1	75·0	75·0	75·5	76·8	77·0	77·0	77·9	78·5	79·4	79·3	79·9	79·5	79·9	79·8	79·9	79·5	79·1	79·0	78·0	77·8	77·1	77·8
4	77·2	76·1	76·5	77·0	77·1	77·0	76·0	76·1	76·5	78·0	79·8	81·0	81·0	81·0	80·9	81·0	80·9	80·7	80·1	80·1	79·9	79·8	79·0	79·0	78·8
5	79·0	79·0	78·7	79·5	80·0	80·0	80·2	81·0	81·0	81·1	81·9	81·9	82·1	82·0	82·1	82·2	80·8	80·9	78·9	79·9	80·0	79·2	80·0	79·9	80·5
6	80·0	79·1	79·0	78·2	78·8	79·1	79·1	79·5	80·0	80·0	80·1	80·6	81·0	80·0	81·0	80·9	80·9	80·5	79·6	79·4	80·5	79·9	80·2	79·4	79·9
7	80·4	80·2	80·8	80·8	81·1	81·1	81·1	81·7	82·0	82·4	83·0	83·1	83·9	83·0	92·4	82·9	82·8	82·1	82·2	82·1	82·3	82·0	82·1	82·4	81·9
8	82·5	82·1	82·6	82·5	82·0	83·0	83·0	82·9	83·0	83·3	83·7	84·0	84·1	84·0	83·4	83·4	83·1	83·0	83·0	82·9	83·0	82·2	82·3	82·1	83·0
9	81·1	81·0	81·0	80·9	80·0	79·0	78·4	78·3	78·8	79·3	80·1	80·6	81·0	81·1	81·6	81·8	81·0	80·5	79·0	78·0	78·0	76·6	77·1	76·8	79·7
10	76·9	77·0	76·4	75·1	74·6	73·9	74·0	74·0	74·9	77·8	79·0	79·5	80·0	80·0	80·6	80·6	80·0	79·6	78·1	77·7	77·8	76·8	76·0	75·6	77·4
11	76·0	75·0	75·0	75·9	75·4	75·0	74·4	74·9	76·0	77·0	77·5	77·9	77·9	78·1	78·8	78·7	78·9	78·0	76·9	76·1	76·1	76·0	76·1	75·6	76·5
12	75·8	75·6	76·0	76·3	76·0	76·2	76·2	77·0	77·0	77·2	78·0	79·7	79·0	79·3	79·7	79·8	79·2	78·4	77·0	76·1	76·0	76·0	76·0	75·9	77·2
13	76·0	76·0	76·2	76·1	76·8	77·0	76·8	77·1	78·0	78·2	79·1	79·9	81·0	81·4	81·2	81·5	81·0	80·3	79·9	79·2	79·0	78·6	79·0	79·2	78·6
14	80·0	80·0	80·0	79·9	79·0	79·2	79·1	79·3	80·3	81·1	82·9	83·2	83·9	84·0	83·3	84·0	83·9	82·7	81·3	81·0	80·9	80·0	80·5	80·9	81·2
15	80·4	80·9	80·3	80·6	80·8	81·0	80·0	80·9	82·0	83·4	83·9	85·4	85·0	86·6	86·7	86·0	85·2	85·0	83·0	83·1	82·9	82·4	82·0	82·0	82·9
16	82·4	82·3	80·4	81·1	80·0	79·0	78·1	76·9	78·9	81·2	82·1	84·0	84·0	84·1	84·0	83·8	83·4	83·0	81·1	79·1	78·5	77·1	75·8	75·3	80·8
17	74 9	75·2	75·5	77·0	78·0	78·1	77·9	77·0	77·0	78·9	79·9	81·0	81·9	81·9	81·7	82·0	81·8	80·7	79·0	78·4	77·2	75·8	75·0	75·0	78·4
18	75·1	76·6	77·2	77·8	78·0	78·2	78·2	78·8	79·0	80·0	81·0	82·0	82·9	82·9	82·6	82·5	82·0	82·0	81·2	81·0	80·8	80·4	80·2	80·3	79·9
19	80·1	80·0	80·0	80·0	80·0	80·1	80·4	80·9	81·0	81·1	81·3	82·0	82·0	82·0	82·0	82·0	82·0	81·9	81·6	81·4	81·2	81·1	81·1	81·4	81·1
20	81·7	81·3	81·3	80·9	81·0	81·0	81·2	81·4	82·1	83·0	83·8	83·9	84·0	83·9	83·9	83·7	83·2	83·3	83·1	82·9	82·7	81·3	81·9	82·0	82·4
21	82·5	83·0	83·3	83·2	83·2	83·1	83·1	83·1	83·1	83·6	83·9	84·0	84·1	84·1	84·0	84·2	84·6	84·0	83·9	83·9	83·9	83·8	83·5	83·9	83·6
22	83·0	82·8	82·6	82·9	82·4	82·0	82·0	82·1	83·0	83·0	83·1	83·5	83·9	83·9	83·6	83·4	83·4	82·8	82·2	82·1	82·0	81·9	81·4	79·9	82·7
23	79·9	80·4	79·7	80·2	80·4	80·9	81·0	81·5	82·1	83·0	83·4	83·8	83·9	84·1	83·5	83·2	83·0	82·9	82·9	82·7	82·8	82·8	82·6	82·3	82·2
24	82·5	82·4	82·1	82·2	82·0	82·0	82·0	82·2	82·9	83·3	83·9	84·0	83·8	83·4	83·9	83·5	82·8	82·8	82·5	82·6	82·6	82·9	83·0	82·9	82·8
25	82·9	83·0	83·1	82·4	82·3	82·5	82·8	83·0	83·1	83·1	83·2	83·0	83·1	82·9	82·8	83·8	83·9	83·4	82·1	81·0	80·4	80·0	80·1	80·5	82·5
26	79·8	79·8	80·2	79·4	79·2	79·9	80·6	81·4	82·2	83·0	83·2	83·5	83·9	84·2	84·3	84·3	83·3	82·8	82·3	82·5	82·8	82·1	81·5	82·0	82·0
27	82·4	82·9	82·8	82·3	81·6	81·6	81·4	81·3	81·0	82·1	81·0	81·2	82·4	83·1	83·0	83·0	82·7	82·0	82·0	81·7	80·9	81·0	81·2	81·7	81·9
28	81·8	81·0	82·1	81·8	81·2	81·5	81·3	81·2	81·0	80·2	82·1	83·1	83·0	83·6	82·2	82·0	82·3	81·6	81·9	82·2	82·1	82·0	82·0	81·6	81·9
29	81·3	81·4	82·0	81·8	80·8	83·2	83·0	83·5	82·0	81·4	82·9	83·4	83·8	83·9	83·9	84·4	83·2	83·4	82·0	81·5	81·0	80·4	80·0	80·0	82·3
30	80·0	79·6	79·5	79·0	80·0	79·9	80·0	81·1	80·4	82·0	83·7	84·5	85·1	84·2	84·7	84·4	84·0	83·7	82·6	82·0	81·7	81·4	80·8	80·2	81·9
31	80·0	80·3	80·6	79·7	79·4	80·7	80·9	81·0	80·8	81·3	81·4	81·3	81·8	80·5	80·6	80·5	80·5	79·5	79·6	79·0	79·2	77·9	78·0	77·9	80·1
Mean	79·5	79·4	79·4	79·4	79·3	79·4	79·3	79·6	79·9	80·6	81·4	81·9	82·2	82·3	82·2	82·3	82·0	81·5	80·7	80·4	80·3	79·8	79·6	79·5	80·5

361. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

April, 1932.

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

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

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

362. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1932.

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

363. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

June, 1932.

Hour G. M. T.	1.	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	85·1	85·1	85·0	84·0	84·0	84·1	85·9	88·0	88·0	88·2	88·6	89·0	89·9	90·1	90·0	86·7	87·1	87·1	86·7	86·2	85·5	84·9	83·9	83·1	86·6
2	82·9	82·4	82·0	81·4	81·4	81·9	85·0	87·0	88·3	90·0	89·5	89·4	89·2	89·8	89·9	89·4	89·0	89·0	88·8	87·5	86·2	85·2	84·1	84·4	86·4
3	83·9	84·0	83·6	83·0	82·2	82·9	85·9	87·2	88·9	90·0	89·7	87·8	87·5	85·9	86·9	86·9	87·0	86·4	86·1	86·1	85·7	85·3	85·0	85·0	85·9
4	84·9	84·4	85·3	85·2	85·9	85·0	85·1	86·9	87·9	89·0	89·4	88·1	88·5	88·7	88·1	87·9	87·9	88·0	87·4	86·1	84·3	83·9	83·0	82·2	86·4
5	81·4	81·0	80·0	79·0	79·0	80·0	82·9	85·0	86·0	86·6	87·0	87·0	87·0	87·0	87·0	86·9	86·9	87·0	86·0	85·3	84·0	83·5	83·0	82·1	84·2
6	82·0	81·1	81·9	80·5	81·0	82·0	83·9	84·1	84·1	85·0	85·3	85·9	86·0	85·8	86·0	85·4	85·9	85·4	85·0	84·4	84·0	84·0	83·2	83·1	83·9
7	82·7	83·0	83·0	81·9	81·4	82·7	85·0	85·0	85·0	86·8	86·8	87·0	87·9	87·3	87·3	87·5	87·4	87·0	86·9	86·0	84·5	83·0	81·4	80·9	84·9
8	80·3	80·4	80·2	80·0	80·2	82·0	84·3	86·5	88·3	88·8	89·0	88·8	89·0	88·9	88·2	88·4	88·0	87·0	86·3	86·1	86·1	85·2	85·6	85·9	85·5
9	85·9	85·9	85·9	85·9	85·6	85·6	85·8	85·9	86·0	86·0	86·4	86·4	86·4	87·0	87·0	86·4	86·2	86·0	85·6	85·2	85·2	85·0	84·3	84·8	85·9
10	84·2	84·4	84·9	85·0	85·0	85·1	85·8	85·9	86·7	87·0	88·0	88·9	88·8	88·3	88·8	88·9	88·5	88·9	88·3	87·4	86·0	85·0	84·4	83·9	86·6
11	82·1	82·1	81·1	80·9	80·8	82·0	84·9	86·6	87·1	88·9	89·9	89·4	89·0	88·9	89·9	89·9	89·6	88·5	88·0	87·6	86·9	85·9	85·0	83.4	86·2
12	84·0	83·9	83·9	83·5	83·5	84·3	85·3	87·4	89·0	90·8	90·0	89·5	89·0	88·9	89·0	89·0	88·9	88·7	89·0	88·0	87·0	86·0	85·9	86·1	87·1
13	85·4	84.9	84·0	84·8	84·1	85·0	86·9	88·9	90·7	91·9	90·0	90·9	91·0	91·0	90·9	91·3	91·1	90·7	90·1	89·6	88·0	87·9	87·1	87·0	88·4
14	87·1	87·1	87·0	86·6	86·6	87·1	88·1	90·0	91·0	91·3	91·0	91·0	91·2	92·0	91·2	91·9	92·0	92·2	91·0	90·1	89·8	88·9	88·2	88·0	89·6
15	87·8	87·1	87·3	87·2	87·4	87·6	88·0	88·1	88·9	89·0	89·0	89·8	88·9	89·7	90·5	89·9	90·1	89·1	89·1	88·9	87·9	87·2	87·0	86·4	88·4
16	85·9	85·8	84·5	84·5	85·0	85·9	88·0	89·2	90·0	91·1	92·2	92·6	91·9	90·9	90·9	91·6	92·1	91·5	91·0	90·2	90·0	89·2	89·1	89·2	89·2
17	88·4	88·0	88·0	87·1	87·1	87·9	89·1	90·1	91·5	92·8	93·8	94·0	94·9	95.0	96·2	95·7	95·0	93·0	92·0	91·2	90·1	89·0	88·0	87·9	91·1
18	87·6	87·1	86·9	87·0	87·0	87·4	89·0	91·0	92·0	93·9	94·0	95·0	93·8	92·0	92·0	91·7	92·9	92·1	91·6	90·2	90·0	89·1	88·1	87·1	90·4
19	85·6	86·0	85·2	85·0	85·2	86·1	89·2	90·0	91·9	92·9	93·0	93·2	93·0	92·3	92·3	92·2	92·0	91·2	91·0	90·5	89·8	89·0	88·5	88·4	89·7
20	88·3	88·1	87·9	87·0	87·0	87·0	88·4	89·0	89·6	90·0	90·4	91·1	92·8	92·7	92·8	92·9	92·0	91·0	90·8	89·7	89·2	89·0	89·0	88·9	89·8
21	88·9	88·4	88·4	88·2	88·1	88·2	88·9	89·0	89·1	89·9	90·0	89·8	90·3	90·2	90·1	90·0	89·8	89·6	89·1	89·0	88·9	88·8	88·5	88·4	89·2
22	88·6	88·8	88·2	88·0	87·0	87·9	88·5	89·0	89·9	91·0	90·5	90·1	90·5	89·9	90·0	90·0	89·4	88·9	88·0	87·5	87·1	86·9	86·2	87·0	88·7
23	87·0	87·1	87·0	87·0	87·1	87·0	87·4	88·4	89·0	90·0	89·7	89·5	89·2	89·1	89·7	90·0	90·0	89·1	88·9	88·4	87·8	87·0	87·0	86·0	88·3
24	85·1	84·8	84·3	83·0	84·0	85·0	87·0	88·3	89·1	89·9	89·7	90·3	90·5	91·0	90·1	90·0	90·0	89·5	89·1	88·7	88·1	87·9	87·6	87·2	87·9
25	87·6	87·4	87·2	87·9	88·1	88·3	88·7	89·1	89·4	90·1	90·7	90·8	90·8	90·7	90·3	91·0	90·0	89·2	89·4	89·1	88·9	88·9	88·6	88·5	89·2
26	88·4	88·3	88·2	88·1	88·0	88·0	88·0	88·9	89·1	89·1	90·0	91·0	90·7	89·9	89·5	89·2	89·9	89·4	89·0	88·8	88·4	88·0	88·0	88·0	88·9
27	88·0	87·8	87·5	87·3	87·4	87·8	88·0	88·5	88·7	88·8	89·8	89·9	90·0	90·9	90·1	90·1	90·2	90·5	90·0	89·0	88·4	88·0	87·9	87·9	88·9
28	87·6	87·9	87·9	87·8	87·5	87·8	87·9	89·0	89·0	89·5	90·0	90·1	90·9	90·9	90·5	90·9	90·6	89·9	89·1	88·6	87·2	86·3	85·0	84·6	88·7
29	84·0	84·8	85·6	87·0	87·7	88·0	88·1	88·1	88·0	88·0	88·8	89·0	89·1	89·4	89·3	89·5	89·5	89·5	89·2	89·1	88·7	88·8	88·7	88·0	88·1
30	88·0	87·9	88·0	88·0	88·0	88·1	88·7	89·0	89·2	90·1	90·0	90·9	91·0	90·1	89·8	89·0	88·4	87·0	86·0	86·6	86·9	87·0	86·8	86·6	88·4
Mean	85·6	85·5	85·3	85·1	85·1	85·6	86·9	88·0	88·7	89·5	89·7	89·9	90·0	89·8	89·8	89·7	89·6	89·1	88·6	88·0	87·3	86·8	86·3	86·0	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.

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

364. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

July, 1932.

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

365. Cahirciveen (Valentia Observatory): North Wall Screen : h_t = 1·3 metres.

August, 1932.

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

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

366. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1932.

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

367. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

October, 1932.

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

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

368. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

November, 1932.

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

369. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

December, 1932.

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

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

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

370. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres. 1932.

1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean.
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
83·08	83·01	82·95	82·85	82·84	82·88	83·16	83·53	83·91	84·37	84·80	85·11	85·30	85·32	85·30	85·14	84·91	84·60	84·20	83·93	83·67	83·47	83·33	83·17	83·95

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.†

371. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres. 1932.

Month.	Mean.	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	282·31	-0·22	-0·30	-0·30	-0·39	-0·29	-0·46	-0·42	-0·49	-0·43	-0·23	+0·16	+0·65	+0·77	+0·71	+0·75	+0·53	+0·36	+0·33	-0·02	-0·11	-0·12	-0·15	-0·11	-0·22
Feb.	278·92	-0·88	-1·01	-0·95	-0·97	-0·87	-1·00	-0·91	-0·79	-0·86	-0·27	+0·50	+1·05	+1·45	+1·61	+1·71	+1·66	+1·30	+0·75	+0·32	-0·03	-0·22	-0·44	-0·43	-0·72
Mar.	280·50	-0·99	-1·09	-1·06	-1·08	-1·23	-1·09	-1·18	-0·92	-0·56	+0·14	+0·87	+1·44	+1·73	+1·77	+1·72	+1·77	+1·45	+1·02	+0·24	-0·09	-0·23	-0·75	-0·87	-1·01
Apr.	281·32	-1·15	-1·29	-1·33	-1·62	-1·56	-1·62	-1·24	-0·46	+0·20	+0·62	+1·08	+1·34	+1·57	+1·64	+1·60	+1·49	+1·36	+0·95	+0·64	+0·20	-0·27	-0·57	-0·67	-0·91
May.	284·02	-1·21	-1·37	-1·54	-1·74	-1·90	-1·76	-0·88	-0·05	+0·47	+0·83	+1·19	+1·20	+1·50	+1·54	+1·64	+1·49	+1·42	+0·98	+0·60	+0·13	-0·32	-0·51	-0·75	-0·96
June.	287·75	-2·11	-2·23	-2·40	-2·67	-2·66	-2·15	-0·82	+0·23	+0·97	+1·80	+1·99	+2·13	+2·21	+2·09	+2·06	+1·92	+1·83	+1·32	+0·86	+0·28	-0·41	-0·97	-1·50	-1·77
July	288·07	-0·74	-0·82	-0·98	-1·09	-1·15	-0·98	-0·66	-0·26	+0·06	+0·45	+0·70	+0·98	+1·11	+1·38	+1·30	+1·09	+0·97	+0·60	+0·26	0·00	-0·32	-0·47	-0·65	-0·78
Aug.	289·55	-1·17	-1·23	-1·33	-1·43	-1·41	-1·45	-1·09	-0·40	+0·22	+0·74	+1·22	+1·52	+1·73	+1·56	+1·56	+1·44	+1·12	+0·77	+0·34	-0·05	-0·35	-0·57	-0·76	-0·98
Sept.	~~296·68~~ 286·66	-0·89	-0·95	-1·03	-1·17	-1·10	-1·10	-1·05	-0·68	-0·01	+0·56	+0·94	+1·29	+1·38	+1·51	+1·41	+1·10	+0·95	+0·75	+0·27	+0·03	-0·30	-0·51	-0·60	-0·80
Oct.	283·80	-0·96	-0·82	-0·92	-0·90	-0·84	-0·88	-0·77	-0·56	-0·06	+0·44	+0·92	+1·26	+1·34	+1·34	+1·35	+1·10	+0·84	+0·49	+0·04	-0·03	-0·24	-0·41	-0·70	-1·03
Nov.	282·87	-0·09	-0·18	-0·21	-0·26	-0·39	-0·34	-0·42	-0·50	-0·30	+0·08	+0·44	+0·68	+0·82	+0·70	+0·63	+0·50	+0·17	+0·04	-0·19	-0·29	-0·36	-0·19	-0·23	-0·11
Dec.	281·38	-0·06	-0·10	-0·03	+0·04	+0·03	-0·03	-0·14	-0·21	-0·26	-0·14	+0·14	+0·41	+0·58	+0·59	+0·46	+0·19	-0·16	-0·19	-0·26	-0·27	-0·23	-0·15	-0·10	-0·11
Year.	283·95	-0·87	-0·95	-1·01	-1·11	-1·11	-1·07	-0·80	-0·42	-0·05	+0·42	+0·85	+1·16	+1·35	+1·37	+1·35	+1·19	+0·96	+0·65	+0·26	-0·02	-0·28	-0·47	-0·61	-0·78

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and minimum for the interval 0 h. to 24 h., Greenwich Mean Time.

372. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres. 1932.

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

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

† see page

Percentages at exact hours, Greenwich Mean Time.

373. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1932.

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

374. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

February, 1932.

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	83	85	78	76	82	85	86	89	89	90	91	87	79	84	86	88	93	80	73	78	80	85	77	74	83·5	9·3
2	76	73	74	73	79	84	88	90	96	95	80	77	61	64	63	70	69	72	69	71	73	81	72	65	75·8	7·9
3	70	63	69	71	60	59	59	59	57	63	59	55	58	57	63	58	62	74	78	81	79	83	76	82	66·1	6·7
4	83	84	64	70	67	72	61	58	60	63	61	72	65	65	67	64	67	71	72	71	69	66	62	63	67·8	7·1
5	66	66	66	73	72	72	71	64	71	63	71	72	70	64	68	69	72	73	69	69	67	68	72	72	69·0	7·8
6	72	77	72	69	76	77	73	72	74	78	80	74	74	74	75	65	69	69	81	87	92	93	93	89	76·9	8·8
7	89	91	89	87	87	86	86	83	85	84	87	86	86	83	84	80	73	73	77	73	79	82	69	70	82·4	9·1
8	74	72	72	68	67	72	72	72	78	71	73	69	65	65	71	71	66	75	76	73	62	64	60	59	69·7	7·3
9	60	59	69	74	76	69	72	65	69	67	67	65	63	62	65	62	60	62	66	66	63	65	59	71	65·4	6·0
10	69	68	66	68	69	70	70	69	75	69	55	57	48	68	59	50	52	53	55	54	63	63	63	62	62·5	4·8
11	64	64	68	64	64	72	68	61	58	62	63	63	65	61	62	66	68	73	75	74	71	76	78	81	67·1	4·6
12	76	80	82	81	83	83	81	81	80	76	76	74	69	68	68	57	66	68	59	58	64	59	66	68	72·1	5·7
13	72	68	68	64	68	72	66	64	64	59	57	52	55	53	56	55	54	55	59	56	65	61	63	66	61·4	4·8
14	65	64	55	53	56	64	60	57	63	68	66	51	45	45	52	51	53	66	54	68	68	69	77	70	59·9	4·9
15	59	67	64	74	64	71	80	81	77	77	70	59	57	61	59	67	62	75	70	69	77	79	75	74	69·4	5·9
16	66	63	58	62	60	78	74	67	75	68	63	64	59	59	59	57	59	65	69	79	70	71	70	71	66·1	5·6
17	69	69	69	70	68	61	65	69	64	69	67	61	63	63	65	69	63	68	63	67	66	69	69	70	66·5	6·4
18	69	70	69	65	67	69	66	66	72	64	58	63	65	61	60	58	57	58	63	68	67	74	75	77	65·7	6·1
19	89	94	96	97	97	96	96	93	92	94	73	68	70	59	61	68	61	74	69	72	75	83	81	79	80·7	6·0
20	78	82	81	73	68	70	70	65	71	70	68	61	60	54	56	63	70	72	69	71	65	71	69	61	68·6	6·7
21	70	69	60	69	77	77	73	77	81	75	69	60	66	64	59	59	62	71	69	69	73	71	72	72	69·1	6·2
22	69	72	66	69	71	77	82	81	84	85	84	81	58	58	60	58	62	62	70	70	71	72	71	72	71·0	7·3
23	72	71	79	81	80	76	76	75	75	74	61	58	63	60	65	67	65	69	71	72	72	73	72	72	70·8	7·8
24	75	75	83	83	71	80	72	73	77	73	62	61	60	60	58	61	62	62	57	59	68	67	68	69	68·2	7·4
25	72	77	75	70	69	70	70	63	69	66	66	66	70	62	59	51	59	59	61	63	62	68	57	69	65·5	6·3
26	79	69	75	82	71	72	71	62	72	63	69	68	66	66	69	70	72	69	59	59	61	59	59	62	67·8	6·3
27	72	72	78	81	81	79	79	72	84	78	64	59	57	70	71	73	72	67	70	69	67	62	66	72	71·3	6·9
28	75	77	72	78	78	77	78	77	68	66	67	64	63	57	56	44	43	48	52	48	51	62	58	64	63·6	5·1
29	62	59	56	64	75	78	71	65	75	80	73	73	67	60	55	55	54	62	65	65	66	63	62	63	65·4	4·9
Mean	72·2	72·4	71·5	72·7	72·5	74·8	73·7	71·4	74·3	72·8	69·0	66·2	63·7	63·0	63·8	63·0	63·7	67·1	66·9	68·3	69·2	71·0	69·3	70·3	69·3	† 6·5
Vapour Pressure *	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·3	mb. 6·4	mb. 6·5	mb. 6·4	mb. 6·3	mb. 6·5	mb. 6·7	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·5	mb. 6·7	mb. 6·6	mb. 6·5	mb. 6·5	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·4	mb. 6·2	mb. 6·2	mb. ‡ 6·4	
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

RELATIVE HUMIDITY.

Percentages at exact hours, Greenwich Mean Time.

375. Cahirciveen (Valentia Observatory): North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

March, 1932.

Hour G. M. T.	1.	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	61	59	61	55	54	60	66	66	66	66	55	53	54	44	44	47	43	52	53	58	58	57	57	56	56·4	4·7
2	63	58	66	66	74	78	81	65	66	58	62	55	56	61	53	62	62	60	57	65	61	60	64	62	64·0	5·1
3	60	61	66	66	64	58	52	53	53	45	48	45	46	45	48	45	49	49	50	55	56	58	57	66	53·9	4·6
4	66	73	69	66	66	64	66	69	75	71	61	58	59	58	64	65	65	68	80	83	83	83	85	85	69·7	6·4
5	82	84	90	86	84	85	84	86	90	88	74	70	72	73	72	71	78	73	83	67	65	67	44	55	76·6	7·9
6	51	71	70	81	76	69	81	70	71	71	71	73	69	71	68	72	64	65	74	79	67	72	65	79	70·3	7·0
7	67	73	73	75	71	83	83	78	86	82	79	76	75	76	87	78	78	86	86	86	84	87	87	84	79·9	9·1
8	82	93	96	92	92	91	96	94	96	96	93	99	99	97	96	96	99	99	96	98	91	93	93	88	93·9	11·5
9	96	92	86	88	85	85	87	83	73	72	68	64	59	58	52	51	60	65	79	81	69	73	68	70	73·9	7·3
10	69	67	76	80	75	82	81	81	80	65	56	53	56	56	56	51	56	57	69	71	73	77	83	85	68·6	5·7
11	81	80	82	71	77	82	85	82	66	53	47	42	45	41	37	44	37	42	50	62	62	62	62	57	61·0	4·8
12	52	58	62	63	73	78	80	69	73	65	55	49	56	52	49	49	53	49	52	54	39	37	37	37	56·3	4·6
13	50	64	63	64	55	55	54	63	54	53	56	46	48	42	44	43	47	41	33	39	42	39	40	39	48·9	4·5
14	39	44	45	46	56	53	55	53	54	55	39	38	42	42	47	50	49	53	56	47	48	52	52	48	48·3	5·2
15	52	44	49	44	47	47	56	52	48	43	53	33	42	36	39	37	43	47	55	50	47	46	48	48	46·1	5·6
16	48	53	67	59	69	72	82	72	74	70	73	63	65	63	69	75	70	74	83	87	91	82	86	93	71·6	7·6
17	84	96	91	95	95	97	90	92	87	87	83	75	74	73	73	73	77	77	85	86	90	86	87	91	85·2	7·6
18	96	90	96	87	86	95	95	88	91	85	79	73	64	69	67	70	73	73	82	75	76	80	82	82	81·6	8·1
19	74	78	82	71	71	71	68	65	71	71	70	67	68	66	71	73	72	73	76	79	83	85	86	88	74·0	8·0
20	88	94	93	89	86	86	91	91	87	87	81	82	85	87	89	90	94	94	96	88	84	93	89	89	88·9	10·5
21	94	99	96	97	97	98	98	98	98	94	94	98	99	99	98	97	94	98	94	95	95	95	95	97	96·4	12·3
22	95	92	94	89	93	87	86	83	74	74	73	65	64	64	67	72	70	65	76	75	77	76	81	87	78·5	9·4
23	86	83	87	86	88	85	86	86	86	79	76	76	76	80	87	91	89	88	87	86	86	87	89	95	85·0	9·9
24	92	95	96	93	92	93	96	96	94	94	89	87	90	92	89	90	91	83	83	80	84	82	78	76	89·4	10·8
25	78	76	75	84	87	87	86	86	84	86	86	88	88	91	88	85	83	88	79	83	86	85	86	91	84·5	10·0
26	88	88	90	91	91	88	91	93	86	75	76	74	64	67	64	61	70	71	70	71	71	76	81	84	78·5	9·0
27	87	88	89	82	81	73	74	75	78	72	79	77	72	71	62	62	66	76	73	80	86	86	83	83	77·3	8·8
28	83	88	86	84	85	83	86	78	83	90	86	74	74	70	78	73	79	73	80	72	72	76	73	71	79·3	9·0
29	75	79	80	86	89	84	86	81	80	89	80	75	71	76	75	71	79	75	84	87	86	89	87	88	81·0	9·5
30	87	91	87	85	85	90	91	91	90	87	82	82	78	75	78	76	77	79	80	86	86	88	89	87	84·5	9·6
31	88	90	86	88	86	77	76	73	76	71	67	67	64	76	70	68	65	72	62	63	62	78	71	75	74·0	7·5
Mean	74·7	77·8	78·7	77·7	78·4	78·6	80·3	77·8	77·1	74·0	70·7	67·0	66·9	66·8	67·5	67·3	68·8	69·8	73·0	73·8	72·9	74·4	73·7	75·7	73·5	† 7·8
Vapour Pressure *	mb. 7·2	mb. 7·5	mb. 7·6	mb. 7·5	mb. 7·5	mb. 7·6	mb. 7·7	mb. 7·6	mb. 7·7	mb. 7·7	mb. 7·8	mb. 7·6	mb. 7·8	mb. 7·8	mb. 7·9	mb. 7·9	mb. 7·9	mb. 7·7	mb. 7·7	mb. 7·6	mb. 7·5	mb. 7·4	mb. 7·2	mb. 7·3	mb. ‡ 7·6	

376. Cahirciveen (Valentia Observatory): North Wall Screen : h_t = 1·3 metres.

April, 1932.

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

Percentages at exact hours, Greenwich Mean Time.

377. **Cahirciveen (Valentia Observatory):** North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1932.

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

378. **Cahirciveen (Valentia Observatory):** North Wall Screen : h_t = 1·3 metres.

June, 1932.

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

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time.

379. Cahirciveen (Valentia Observatory): North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

July, 1932.

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

380. Cahirciveen (Valentia Observatory): North Wall Screen : h_t = 1·3 metres.

August, 1932.

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

Percentages at exact hours, Greenwich Mean Time.

381. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1932.

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

382. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

October, 1932.

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

*Computed from the mean temperatures and the mean relative humidities †Mean of the column. ‡Mean of the row.

RELATIVE HUMIDITY.

Percentages at exact hours, Greenwich Mean Time.

383. Cahirciveen (Valentia Observatory): North Wall Screen: h_t (height of thermometer bulbs above ground) = 1·3 metres.

November, 1932.

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

384. Cahirciveen (Valentia Observatory): North Wall Screen: h_t = 1·3 metres.

December, 1932.

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

For exact hours, Greenwich Mean Time.

385. Cahirciveen (Valentia Observatory): North Wall Screen : h_t = 1·3 metres. 1932.

Hour G.M.T.	1.	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	% 81·9	% 82·3	% 82·3	% 82·6	% 82·5	% 82·7	% 82·3	% 80·7	% 79·8	% 78·8	% 77·0	% 75·7	% 75·1	% 75·1	% 75·1	% 75·7	% 76·6	% 77·7	% 78·9	% 79·8	% 80·9	% 81·1	% 81·1	% 81·8	% 79·5
Vapour Pressure in millibars *	10·1	10·1	10·1	10·1	10·0	10·1	10·2	10·3	10·4	10·6	10·7	10·7	10·7	10·8	10·7	10·7	10·7	10·6	10·5	10·4	10·4	10·3	10·2	10·2	10·4

* Computed from the mean temperatures 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. Cahirciveen (Valentia Observatory): North Wall Screen : h_t = 1·3 metres. 1932.

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	84·5	+0·9	+0·5	-1·3	-0·5	-1·1	0·0	-1·3	-0·2	+0·6	+2·2	+1·1	+0·3	-0·7	-0·5	-1·1	-0·6	+0·4	+0·2	+1·4	+0·4	-0·2	-0·7	-0·5	+0·7
February	69·3	+2·6	+2·8	+1·9	+3·2	+3·0	+5·3	+4·2	+2·0	+4·9	+3·4	-0·4	-3·1	-5·6	-6·2	-5·4	-6·2	-5·4	-2·0	-2·2	-0·8	+0·2	+2·0	+0·4	+1·4
March	73·5	+1·4	+4·5	+5·4	+4·4	+5·0	+5·2	+6·9	+4·4	+3·7	+0·6	-2·8	-6·5	-6·6	-6·7	-6·0	-6·2	-4·8	-3·7	-0·6	+0·2	-0·7	+0·8	+0·1	+2·0
April	74·5	+2·4	+3·3	+2·6	+4·6	+5·0	+4·4	+4·6	+1·1	-0·9	-1·4	-2·7	-4·6	-4·8	-5·1	-3·8	-4·1	-3·7	-3·7	-1·7	+0·5	+2·9	+2·7	+1·4	+1·0
May	78·6	+4·6	+5·0	+5·7	+6·2	+5·4	+5·5	+3·5	-0·4	-3·3	-4·2	-6·8	-5·9	-5·4	-6·3	-6·3	-5·1	-4·6	-2·6	-1·4	+0·7	+3·5	+4·1	+4·0	+4·1
June	81·4	+5·7	+6·8	+7·6	+7·7	+8·1	+7·9	+4·9	+0·7	-3·7	-5·6	-8·3	-8·6	-7·8	-7·3	-6·8	-5·7	-6·5	-4·5	-2·5	+0·7	+2·7	+4·2	+4·4	+5·9
July	86·0	+2·5	+3·1	+3·7	+2·8	+3·1	+2·9	+2·1	+0·7	-0·2	-1·0	-2·1	-3·2	-3·9	-4·0	-4·0	-3·2	-2·3	-2·0	-1·4	-0·6	+0·8	+1·2	+2·0	+3·0
August	86·2	+3·1	+2·9	+3·3	+4·3	+3·9	+4·2	+3·3	+1·0	-0·2	-1·9	-3·4	-4·1	-5·5	-4·3	-5·2	-4·4	-3·5	-2·1	-0·3	+0·3	+1·7	+1·7	+2·2	+3·0
September	81·4	+2·0	+1·6	+2·4	+2·8	+2·7	+2·0	+3·0	+2·3	+0·7	-1·5	-2·4	-3·2	-4·2	-4·5	-3·9	-3·5	-2·2	-1·0	-0·2	+0·2	+1·6	+0·9	+1·1	+3·3
October	80·0	+2·5	+1·6	+0·4	+0·6	+0·5	+1·4	+1·9	+1·9	+1·9	0·0	-0·9	-2·8	-3·3	-4·3	-4·5	-3·6	-2·7	-1·0	+1·4	+1·0	+1·9	+1·2	+2·2	+2·7
November	79·5	+0·2	+0·9	+1·3	+0·8	+1·2	+0·3	+0·2	+1·3	+0·1	+0·5	-1·0	-1·9	-2·7	-2·0	-1·9	-2·0	+0·4	-0·2	+0·7	+0·7	+1·4	+0·5	+1·0	+0·2
December	78·1	+0·5	+0·4	+1·1	+0·2	-0·1	+0·2	+0·1	0·0	+0·2	+0·7	-0·1	-1·3	-1·8	-1·6	-2·1	-1·3	+0·1	+0·5	-0·1	+0·9	+1·2	+1·3	+0·7	+0·3
Year	79·5	+2·4	+2·8	+2·8	+3·1	+3·0	+3·3	+2·8	+1·2	+0·3	-0·7	-2·5	-3·7	-4·4	-4·4	-4·3	-3·8	-2·9	-1·7	-0·6	+0·4	+1·4	+1·6	+1·6	+2·3

† see page

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. Cahirciveen (Valentia Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r(heignt of receiving surface above ground) = 9·1 metres + 0·5 metre. 1932.

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. 36·4	mm. 41·3	mm. 43·1	mm. 38·1	mm. 41·2	mm. 42·2	mm. 51·4	mm. 48·8	mm. 53·1	mm. 57·9	mm. 50·2	mm. 57·3	mm. 49·8	mm. 55·2	mm. 42·7	mm. 57·4	mm. 66·4	mm. 59·2	mm. 62·8	mm. 52·2	mm. 59·3	mm. 51·9	mm. 58·7	mm. 68·3	mm. 1244·9
Duration	hr. 32·8	hr. 35·4	hr. 35·0	hr. 33·3	hr. 31·0	hr. 32·1	hr. 34·4	hr. 33·3	hr. 34·5	hr. 33·0	hr. 30·5	hr. 29·0	hr. 26·1	hr. 25·3	hr. 25·8	hr. 32·6	hr. 32·8	hr. 32·5	hr. 37·3	hr. 31·5	hr. 32·5	hr. 30·0	hr. 32·5	hr. 36·5	hr. 771·7

NOTES ON RAINFALL.

388. Cahirciveen (Valentia Observatory): 1932.

Notable Falls of the Year.-

Details of the greatest continuous falls are as follows:-

Date	Amount	Duration
	mm.	hrs.
January 12	31	7·5
May 30-31	35	14·5
August 20	25	2·9
December 16	22	7·6

There were no "noteworthy" falls in short periods.
The greatest fall in the year between one exact hour and the next was 10·2 mm. between 12h. and 13h. on January 12th.

Dry Periods.-

The longest period without rain was the 16 days from February 8th to 23rd ("absolute drought"): there were two periods of 11 days without rain, January 25th to February 4th and March 9th to 19th.

Wet Periods.-

There was a period of 21 days from January 4th to 24th on all of which rain fell and on only 3 days was the amount less than 1.0 mm.

During the 30 days October 6th to November 4th there was only one dry day and one day with 0·2 mm of rain.

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

389. Cahirciveen (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	·1	·2	...	·2	2·2	·4	·3	...	...	...	·2	·1	...	...	·1	·2	·1	...	...	4·1	3·3
2	...	...	...	...	...	·2	1·0	2·2	·4	...	...	...	...	...	·1	...	...	...	...	...	...	1·3	...	...	5·2	2·5
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	2·7	1·8	1·8	·1	...	...	...	...	...	...	...	...	...	6·4	2·7
5	...	...	...	...	...	·9	2·3	1·0	·6	·7	·4	·1	...	1·3	1·0	·6	·5	·1	·1	·7	...	...	1·0	·9	12·2	9·4
6	...	...	...	1·2	1·0	...	·8	2·8	1·4	2·0	2·7	5·2	·2	·6	·2	...	...	...	...	·2	...	·8	...	...	19·1	8·1
7	...	·4	...	...	...	...	·4	·4	1·6	...	...	...	·6	·2	·5	...	·2	·7	·3	...	...	...	·3	...	5·6	2·7
8	...	·5	...	...	(⌴)	(⌴)	(⌴)	(·1)	...	...	...	·1	...	...	·1	...	...	...	·7	·4	...	...	...	...	1·9	1·3
9	...	...	·8	1·0	·3	·6	2·9	1·4	3·4	1·2	...	·4	·8	1·1	·9	·2	...	...	...	...	...	...	1·7	...	16·7	8·3
10	·5	·5	...	...	1·2	1·4	...	·4	...	...	...	...	...	...	...	...	...	·8	·5	...	·4	3·1	·3	·3	9·4	3·1
11	·5	·4	...	...	...	·1	...	1·5	·3	·6	1·3	...	...	...	...	...	·6	·1	...	...	...	...	·7	·6	6·7	3·1
12	...	...	...	·3	...	...	...	...	·2	·4	·7	1·8	10·2	8·7	7·3	1·7	·5	·2	·1	·3	·2	·1	...	4·0	36·7	10·9
13	...	...	·2	...	...	...	·5	...	·5	·7	1·2	·1	...	...	...	·4	·1	...	...	...	...	...	...	...	3·7	1·4
14	...	·6	1·0	·1	...	·1	·2	·1	...	...	...	·3	...	·7	1·2	8·0	6·2	·6	1·6	2·7	·3	...	...	...	23·7	5·4
15	1·4	1·0	...	...	...	...	...	·2	...	...	...	...	1·0	1·3	·1	...	...	...	·4	...	·3	...	·1	...	5·8	3·4
16	...	...	...	·1	...	...	·1	·1	·8	1·5	...	...	...	·2	...	...	...	2·5	3·8	1·9	...	·2	·1	...	11·3	3·9
17	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	(...)	(...)	(...)	...	...	·1	...	...	...	0·2	0·3
18	·1	...	·2	·2	...	·1	·3	...	...	...	...	...	·1	...	...	...	·1	·2	...	...	...	...	...	...	1·3	2·8
19	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	·3	·8	·2	·1	·3	·8	2·6	·6	·7	6·6	7·6
20	·6	·5	...	·1	...	...	...	...	...	...	...	...	...	...	·4	·2	·5	·1	...	...	...	...	...	...	2·4	3·4
21	...	...	...	...	·1	·1	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·3	·2	...	0·8	1·8
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	0·2	0·6
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·3	·3	...	·3	1·1	1·8
24	...	...	...	...	·2	·3	·1	·2	·2	...	...	1·1	2·2	·6	·2	...	...	...	...	...	...	...	...	...	5·1	4·2
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·1	3·9	2·3	3·1	2·8	3·9	8·8	10·4	9·6	9·3	6·7	12·1	17·0	16·6	12·1	11·6	9·6	5·6	7·8	6·6	2·7	8·8	5·0	6·8	186·2	92·0
Total Duration.	hr. 1·2	hr. 1·4	hr. 1·2	hr. 2·9	hr. 2·2	hr. 3·7	hr. 4·7	hr. 5·1	hr. 5·3	hr. 5·3	hr. 4·2	hr. 4·8	hr. 4·6	hr. 5·5	hr. 4·9	hr. 4·1	hr. 5·6	hr. 4·3	hr. 3·7	hr. 3·4	hr. 3·4	hr. 3·7	hr. 3·3	hr. 3·5	hr. 92·0	

390. Cahirciveen (Valentia Observatory): H_r = 9·1 metres + 0·5 metre. February, 1932.

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

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

391. Cahirciveen (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, 1932.**

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·4
5	...	...	...	...	...	...	...	...	·5	·2	...	...	...	...	...	...	·4	·1	·4	...	...	...	...	...	1·6	1·0
6	...	·3	·3	·1	...	·2	...	...	·2	·2	·5	...	...	·1	...	·4	...	...	·1	...	...	...	...	·2	2·6	1·7
7	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·6	0·3
8	...	·2	...	...	...	·8	·7	·4	·7	·6	1·0	·7	·4	...	...	...	...	...	·2	·1	...	...	...	·1	5·9	8·4
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·1	·4	·2	1·8	3·0
21	·3	·3	·3	·4	·7	1·2	2·3	3·6	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	9·5	7·8
22	·8	1·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·5	·6	·3	·2	1·0	·3	·1	·3	5·3	7·4
24	·1	·6	...	...	...	...	·7	·5	·1	...	...	...	...	·1	...	...	·5	·3	...	...	...	·1	...	...	3·0	4·1
25	...	...	...	·1	·8	1·1	2·0	1·9	1·4	2·5	3·6	4·7	3·1	1·0	·7	...	...	...	...	...	...	...	...	...	22·9	10·6
26	...	...	...	...	...	...	·3	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	4·8	2·1	7·8	2·8
27	2·9	·6	·1	...	·7	...	...	...	·2	...	·9	·1	...	·3	...	...	...	...	...	·1	1·6	...	...	...	7·5	3·0
28	...	1·0	...	...	·4	·1	·3	·3	...	2·1	·5	...	...	...	·1	·5	·5	·1	...	...	...	·2	...	...	6·1	2·4
29	...	...	...	1·4	1·1	...	...	...	...	3·8	·2	...	...	...	...	...	...	...	...	·3	...	1·2	·7	·4	9·1	3·7
30	...	...	...	...	...	2·6	1·7	·2	1·2	·2	...	...	...	...	...	...	...	...	...	...	·8	·2	...	...	6·9	2·5
31	...	·3	·1	2·2	·3	...	...	...	·7	...	...	...	...	·5	...	...	...	·2	...	...	...	·1	...	...	4·4	3·3
Sum.	4·1	4·5	1·3	4·3	4·0	6·0	8·0	7·3	5·2	9·6	6·7	5·5	3·5	2·0	1·1	1·9	2·9	1·3	1·0	0·7	3·5	3·4	6·1	3·6	97·5	64·7
Total Duration.	hr. 3·7	hr. 3·6	hr. 1·9	hr. 2·9	hr. 3·4	hr. 3·5	hr. 4·7	hr. 4·7	hr. 4·1	hr. 3·4	hr. 2·9	hr. 2·2	hr. 1·3	hr. 1·3	hr. 1·1	hr. 1·5	hr. 1·9	hr. 2·1	hr. 1·8	hr. 1·9	hr. 1·9	hr. 2·9	hr. 2·9	hr. 3·1	hr. 64·7	

392. Cahirciveen (Valentia Observatory): H_r = 9·1 metres + 0·5 metre. **April, 1932.**

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	Duration 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.
1	...	·1	...	...	...	...	...	...	·6	·1	...	...	·2	·4	·1	...	...	...	...	...	...	...	...	...	1·5	0·9
2	...	...	·8	1·5	·9	·5	·3	·3	·3	·2	...	...	...	·1	·1	...	...	·1	...	...	·6	·4	...	...	6·1	5·8
3	·6	1·3	...	·2	·1	·1	·9	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	2·1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	0·2	0·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	·2	...	...	...	...	...	·1	...	...	...	...	...	...	·1	1·7	·9	·2	...	...	·3	3·5	2·8
7	·3	·1	...	...	...	·1	·3	·8	·2	·6	·2	...	...	...	·5	...	·2	...	...	·7	·3	...	...	...	4·3	2·0
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·2	·4	·1	2·1	2·5
9	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·5	1·5	1·2	·2	·7	·3	5·5	5·1
10	...	...	...	...	...	...	...	...	...	...	·4	·5	...	·1	...	...	·1	·1	·4	...	...	...	·2	...	1·8	0·9
11	...	...	·2	·5	·1	...	·3	...	...	...	...	·3	...	...	·6	...	...	·5	...	...	·6	...	...	·1	3·2	1·6
12	...	...	...	·1	·7	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·7
13	...	·4	·2	...	·3	...	...	...	·1	·2	...	...	·2	...	...	·1	4·4	5·5	·6	·2	·5	·3	·1	·3	13·4	5·5
14	1·2	...	...	...	...	...	...	...	...	...	·2	·2	·3	...	...	...	...	...	...	...	...	·5	·5	1·0	3·9	2·3
15	1·0	1·4	·1	·3	·2	1·9	·5	...	...	·2	·1	·2	...	...	...	1·6	...	·4	...	...	·3	...	...	...	8·2	3·2
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	·6	·1	...	...	...	·1	...	...	...	...	...	...	...	...	·2	...	·3	...	1·3	0·9
20	...	...	·2	·1	...	...	...	·2	·1	·2	3·1	·4	...	...	...	...	·6	·2	...	...	...	·2	2·1	2·8	10·2	2·3
21	·7	...	...	...	...	...	1·2	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	0·9
22	...	...	...	...	...	·8	·6	...	...	...	...	...	...	...	...	...	...	·2	·9	...	1·3	...	...	...	3·8	1·9
23	...	...	...	·1	...	...	...	...	...	·1	·5	1·0	...	·2	...	·2	...	·1	...	...	...	...	...	...	2·2	1·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	·1	...	...	...	...	·7	·2	...	·1	...	3·0	2·0	·3	...	...	...	...	6·4	3·3
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	·9	·3	1·7	...	...	...	...	3·4	4·0
28	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	...	...	...	...	...	...	...	0·5	0·3
30	...	...	...	...	...	...	·1	...	...	·1	...	...	...	3·7	...	·5	...	...	...	...	...	...	...	·3	4·7	1·3
Sum.	3·8	3·4	1·6	3·1	2·5	3·4	5·0	3·1	1·3	1·7	4·6	2·7	1·4	4·7	1·4	3·1	5·8	12·0	6·4	5·3	5·6	2·8	4·3	5·2	94·2	51·8
Total Duration	hr. 1·7	hr. 1·7	hr. 2·4	hr. 2·6	hr. 2·5	hr. 2·0	hr. 3·3	hr. 1·6	hr. 0·9	hr. 1·3	hr. 1·2	hr. 0·9	hr. 1·0	hr. 1·3	hr. 0·5	hr. 1·7	hr. 2·7	hr. 4·4	hr. 4·3	hr. 2·8	hr. 3·2	hr. 2·6	hr. 3·4	hr. 1·8	hr. 51·8	
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	

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

393. Cahirciveen (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	·1	·3	...	...	...	...	...	...	...	·2	...	...	...	·3	...	·4	...	...	...	...	...	...	1·3	1·1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	...	...	...	0·6	0·3
6	...	...	·7	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	0·6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	·3	...	...	...	...	0·6	0·5
9	·2	·2	·2	...	...	...	·2	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	1·0	0·8
10	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	·2	·1	...	...	...	1·0	1·3
11	...	...	...	·4	·6	·8	1·4	2·0	·7	·1	·2	·1	·4	·7	·9	·9	·8	1·3	·5	1·8	1·0	1·5	1·5	2·4	20·0	18·1
12	1·3	·7	·5	·3	·2	·5	2·6	2·2	·4	·8	·7	·4	·2	...	...	...	...	...	...	...	...	...	...	...	10·8	10·7
13	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	·2	...	...	...	...	...	(p)	(p)	(p)	5·5	0·7
16	(p)	(·1)	(p)	(p)	(p)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	·3	1·4	2·0	2·0	1·8	2·8	·8	3·4	1·1	16·0	8·9
18	·1	...	·2	1·0	·2	...	...	...	...	...	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	2·4	2·6
19	...	...	...	·3	3·0	1·0	...	·3	1·4	·6	·7	·4	2·9	·2	...	...	...	...	·2	·5	...	...	...	·2	11·7	6·5
20	...	...	·1	...	·2	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·1	...	·2	0·7	0·6
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	·1	...	...	...	...	·4	·2	...	...	...	...	·1	...	·6	·1	·6	·2	·1	...	...	2·4	2·4
23	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	·5	·1	...	·8	·3	...	...	...	...	...	1·9	1·5
24	·3	·2	·1	·2	·6	·4	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	0·9
25	...	·4	1·8	·3	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	1·0	...	·9	·1	2·3	...	7·1	2·5
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·9
29	...	...	...	...	...	...	...	...	·3	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·6
30	...	...	...	...	...	...	...	...	...	...	·2	·3	·4	1·4	1·1	4·7	4·5	3·7	4·2	2·0	1·0	2·1	3·6	2·9	32·1	12·8
31	2·0	1·0	...	...	...	...	...	...	·9	1·6	...	·2	·1	·4	...	...	...	...	...	...	...	...	...	...	6·2	5·1
Sum.	4·4	2·6	3·9	3·4	4·9	2·8	4·2	4·6	3·7	3·9	2·3	2·9	4·0	3·0	8·0	7·0	6·9	9·1	8·3	7·7	6·1	4·7	10·8	6·8	126·0	79·7
Total Duration.	hr. 2·9	hr. 2·5	hr. 3·3	hr. 4·1	hr. 3·6	hr. 2·7	hr. 1·9	hr. 2·6	hr. 3·9	hr. 2·8	hr. 2·4	hr. 2·6	hr. 3·6	hr. 3·4	hr. 3·5	hr. 3·8	hr. 3·2	hr. 4·0	hr. 4·8	hr. 4·5	hr. 3·9	hr. 3·1	hr. 3·4	hr. 3·2	hr. 79·7	

394. Cahirciveen (Valentia Observatory): H_r = 9·1 metres + 0·5 metre. June, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	2·2	...	·8	...	...	...	...	...	3·8	1·6
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(p)	(p)	...	...
3	(p)	(p)	(·1)	(p)	(p)	...	...	...	...	...	...	...	...	...	·1	1·6	...	·2	1·3	...	...	...	...	...	3·3	1·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·4	...	·4	·5	·3	2·5	3·4
9	...	·4	1·4	·6	1·1	1·4	·3	·1	·3	·1	...	...	·3	·2	...	·3	·6	1·0	1·2	·9	1·4	3·2	1·5	1·6	17·9	14·0
10	1·3	2·4	1·6	1·0	·6	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·4	6·2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	2·4	·1	·5	·1	·3	·3	...	·3	...	...	...	...	...	...	...	...	4·0	1·6
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3
29	...	...	...	...	...	...	·3	·8	1·6	2·2	1·4	1·7	·8	...	·1	·7	1·7	·2	...	1·2	5·8	·2	4·8	1·8	25·3	10·4
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·1	2·0	4·0	1·5	...	...	...	...	9·6	4·5
Sum	1·3	2·8	3·1	1·9	1·7	1·8	1·3	0·9	4·3	2·4	1·9	1·8	1·4	0·5	0·2	4·7	5·6	3·4	8·2	4·0	7·2	3·8	6·8	3·7	74·7	43·7
Total Duration.	hr. 1·0	hr. 1·5	hr. 2·0	hr. 2·3	hr. 2·0	hr. 1·7	hr. 1·2	hr. 1·4	hr. 1·8	hr. 1·5	hr. 1·4	hr. 0·9	hr. 1·4	hr. 0·4	hr. 0·6	hr. 2·9	hr. 2·5	hr. 2·1	hr. 3·5	hr. 2·1	hr. 2·0	hr. 2·3	hr. 3·0	hr. 2·2	hr. 43·7	
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	

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

395. Cahirciveen (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, 1932.**

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	·3	·8	...	...	...	...	...	·4	...	...	...	...	...	(...)	(...)	(·1)	(...)	...	1·6	0·9
2	...	(...)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	·3	·3	·3	·3	3·4	1·6	...	...	6·3	2·0
3	...	...	·5	1·6	4·6	3·6	3·0	·6	·2	·1	·1	·2	·2	...	·4	·1	1·2	·5	·1	·5	...	4·2	6·3	1·3	29·3	13·5
4	...	...	1·9	1·0	...	1·0	1·1	·5	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	1·7	7·6	3·7
5	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	...	...	...	2·3	0·5
6	...	·7	·3	·8	...	·3	...	...	...	·1	·1	·4	1·0	·4	2·2	1·2	·1	...	...	...	...	...	...	...	7·6	6·0
7	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·4	·4	...	...	...	·2	·1	(...)	(...)	(·1)	1·3	1·9
8	(...)	(...)	(·1)	(...)	(...)	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·1
9	...	...	(...)	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
10	...	...	...	...	...	...	...	...	·7	·1	·4	1·0	·6	...	...	...	...	...	...	...	...	...	...	...	2·8	3·7
11	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·3	0·4
13	...	2·0	·4	...	·1	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	1·3	·5	4·7	3·3
14	1·4	1·6	·5	·3	·3	·2	·1	·2	...	(...)	(...)	(·1)	...	...	·1	...	...	...	...	...	...	...	...	...	4·8	5·3
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	3·6	1·0	·7	·4	...	·2	...	...	6·2	3·1
16	·1	...	...	...	·6	...	...	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·7
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	·3	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·5
20	·3	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·9
21	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·2	0·6
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	·1	...	...	...	·1	...	...	...	·4	·7	...	·3	·2	·1	...	·1	·4	·5	2·9	6·0
24	·4	·5	...	...	·3	·1	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	·8	...	2·3	3·6
25	...	...	...	...	...	·5	...	...	·4	...	1·4	...	...	...	...	...	...	...	·2	...	...	...	...	·2	2·7	0·8
26	·1	...	·2	·4	...	·1	...	...	...	...	·8	...	...	...	·1	...	...	...	...	...	...	...	...	...	1·7	1·3
27	...	...	...	...	...	·3	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	0·8	0·6
28	·3	·2	1·6	2·1	·5	...	...	·3	·1	...	...	...	...	...	...	...	...	...	·4	7·2	2·7	1·8	·4	...	17·6	7·9
29	·1	·1	·1	1·1	1·0	·3	·4	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·6	6·4
30	...	(...)	(·1)	(...)	(...)	(...)	(...)	...	4·0	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·1	1·4
31	...	...	1·7	...	...	...	...	·1	...	...	...	...	·4	...	...	·7	...	...	...	...	...	...	(...)	(·1)	3·0	1·3
Sum.	2·7	5·5	7·6	7·4	7·6	6·7	5·6	2·9	5·6	1·9	3·5	1·9	2·4	0·8	3·6	3·9	7·1	2·1	1·9	8·7	6·2	8·0	9·3	7·1	120·0	79·7
Total Duration.	hr. 3·8	hr. 5·2	hr. 5·4	hr. 4·5	hr. 4·5	hr. 4·3	hr. 4·2	hr. 4·7	hr. 3·2	hr. 2·0	hr. 3·4	hr. 2·6	hr. 3·2	hr. 0·6	hr. 2·4	hr. 3·3	hr. 2·4	hr. 1·4	hr. 3·0	hr. 3·2	hr. 2·4	hr. 2·5	hr. 3·6	hr. 3·9	hr. 79·7	

396. Cahirciveen (Valentia Observatory): H_r = 9·1 metres + 0·5 metre. **August, 1932.**

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	Duration 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.
1	(...)	...	...	...	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
2	...	...	...	...	...	...	...	·2	·2	2·7	1·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	4·6	2·8
3	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	0·6	1·7
4	·2	·1	·1	·1	·1	·1	·3	1·0	·8	·3	...	·2	...	...	...	...	...	...	...	...	·8	·2	·1	...	4·4	9·2
5	...	...	·1	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·8
6	...	...	...	...	...	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	2·3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	0·5	2·1
8	·1	·2	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	2·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·4
10	·2	·2	·2	·1	...	·4	·4	...	...	·1	...	...	...	·2	·1	·5	...	...	...	·1	...	...	...	...	2·5	5·3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	1·1	·2	·1	1·3	·4	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	1·4	5·0	6·3
13	1·0	·6	·4	·1	...	...	...	...	...	...	...	...	...	...	...	·5	1·9	...	...	...	...	...	...	...	4·5	3·6
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	·1	·4	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·1	3·6
17	...	...	·4	·2	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·8
18	...	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	4·6	8·0	9·8	3·4	·2	·7	1·0	1·6	3·3	35·1	8·8
21	·4	·5	·4	·5	·5	...	...	(...)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	·1	...	...	...	...	2·5	5·4
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	0·3	0·1
24	...	...	1·0	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·0
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	...	·1	·1	...	...	1·5	0·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	·5	·5	...	...	·8	...	...	...	...	...	3·1	2·3
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	1·3	2·2	·3	...	...	...	...	...	...	...	...	...	...	...	3·8	2·0
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	·9	·1	...	...	1·2	1·7
Sum.	1·9	1·6	3·1	1·4	1·9	1·1	1·3	2·9	1·8	3·5	2·9	2·6	0·3	4·0	0·6	6·4	10·0	9·8	5·5	0·5	2·6	1·7	2·3	5·3	75·0	64·5
Total Duration.	hr. 4·1	hr. 3·9	hr. 4·6	hr. 3·8	hr. 2·8	hr. 3·6	hr. 3·6	hr. 3·8	hr. 2·9	hr. 2·8	hr. 2·8	hr. 2·1	hr. 0·2	hr. 1·3	hr. 0·8	hr. 1·7	hr. 2·1	hr. 1·0	hr. 1·5	hr. 1·4	hr. 3·4	hr. 2·8	hr. 3·1	hr. 4·4	hr. 64·5	
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	

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

397. Cahirciveen (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, 1932.**

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

398. Cahirciveen (Valentia Observatory): H_r = 9·1 metres + 0·5 metre. **October, 1932.**

	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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	·5	...	...	...	...	5·0	3·1
7	...	·6	1·0	...	...	...	...	...	·9	2·0	3·0	4·1	4·2	6·8	...	...	...	...	...	1·1	...	·9	1·1	2·9	28·6	7·9
8	·5	...	...	...	...	1·7	1·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	·1	4·4	0·7
9	...	·2	·4	·2	·2	·1	...	...	...	·1	...	...	...	...	...	...	·3	...	...	·2	·1	...	...	...	1·8	1·3
10	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·3	0·4	0·2
11	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·2	1·4	...	·2	1·9	0·9
13	1·0	...	...	·5	...	...	...	...	·2	...	...	...	...	·4	...	...	...	·6	1·1	2·0	1·2	·6	1·0	1·9	10·5	7·3
14	1·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	·4	...	·1	...	...	...	2·4	2·2
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	0·4	0·8
16	...	...	...	...	...	...	...	...	·6	·1	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·8	1·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	·4	...	...	...	...	0·6	0·4
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	2·4	3·1	3·5	4·2	4·7	2·1	·7	·4	·2	...	...	...	...	...	...	21·3	8·2
20	...	·2	·3	...	...	·3	...	...	...	...	...	...	...	...	...	...	·1	·6	1·4	·1	...	...	...	...	3·0	2·5
21	...	·6	·3	·4	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	2·4
22	...	...	...	...	...	...	·5	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	·4	...	·3	2·2	0·7
23	·1	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	·6	1·6	...	...	·2	2·7	2·3
24	·2	·1	1·0	...	·2	·6	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	2·2	2·8
25	...	...	...	...	...	...	...	...	...	·2	·2	...	...	·1	·4	1·0	·6	·4	·7	·4	...	...	...	1·2	5·2	6·8
26	...	...	...	...	...	...	·3	...	·2	...	...	...	·2	...	...	...	·1	...	1·0	·3	1·3	...	·1	1·1	4·6	1·8
27	·1	...	·6	...	2·7	...	...	...	1·4	1·9	2·0	2·9	·7	...	·2	·1	...	·6	1·0	1·5	·1	...	...	...	15·8	4·7
28	...	·3	...	·1	...	...	...	·9	·5	·3	·1	...	...	·1	...	·3	·6	...	...	...	·2	...	...	...	3·4	2·0
29	·1	...	...	...	...	·1	1·0	2·2	1·4	1·5	·5	·1	·2	...	...	·8	...	·4	·4	...	·2	·1	·1	1·0	9·9	7·0
30	·2	...	...	·3	·5	...	·3	...	·1	...	...	...	...	·3	·2	...	...	...	·2	·2	...	...	...	...	2·3	1·1
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	0·2	0·5
Sum.	3·6	2·2	4·0	1·6	3·8	3·0	3·9	3·5	5·4	9·6	8·9	10·6	9·6	12·5	3·3	3·1	2·1	2·8	10·1	7·3	6·0	3·5	2·3	9·2	131·9	69·7
Total Duration.	hr. 3·3	hr. 2·9	hr. 2·6	hr. 2·0	hr. 1·1	hr. 1·4	hr. 1·9	hr. 1·6	hr. 3·2	hr. 4·7	hr. 5·0	hr. 2·8	hr. 2·8	hr. 2·7	hr. 2·1	hr. 2·7	hr. 2·6	hr. 2·8	hr. 5·8	hr. 4·5	hr. 4·2	hr. 2·3	hr. 1·4	hr. 3·3	hr. 69·7	
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	

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

399. Cahirciveen (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, 1932.**

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	0·3	0·4
2	1·1	1·0	·1	...	...	...	...	...	·5	2·4	·2	...	...	...	...	...	...	·1	...	...	...	...	...	·4	5·8	4·8
3	...	...	...	...	...	·3	...	...	·1	·1	·2	·1	·1	·1	...	...	·1	...	·2	·6	·7	·2	·3	·4	3·5	8·0
4	·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	0·9	1·7
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(p)	(p)	(·1)	(p)	0·1	...
6	(p)	(p)	(p)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·1	·1	·1	...	...	·5	2·7	3·5
12	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·1	...	...	·1	...	...	...	...	...	0·8	2·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	·6	·7	·1	...	·7	·1	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	2·5	1·5
21	...	...	...	...	...	...	·1	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·6	3·8	2·3
22	1·5	·6	·1	...	·1	...	...	·1	...	1·2	·5	...	·2	...	...	...	...	...	...	...	...	·3	...	...	4·6	4·0
23	...	...	·1	...	·6	...	·1	...	...	·1	·3	·3	...	·7	...	·3	...	...	...	·3	·1	...	...	...	2·9	1·2
24	...	...	·2	·4	·3	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	1·1	2·1
25	...	...	...	·2	·1	...	·1	·1	·1	...	...	...	...	...	...	·1	·2	...	...	·1	2·1	1·0	...	...	4·1	3·7
26	...	...	·3	·1	·5	·2	...	·9	...	·4	·2	...	...	...	...	...	...	...	...	·2	...	...	...	...	2·8	1·3
27	...	·5	·7	·7	·6	...	...	...	·4	...	·1	·1	·7	·1	·2	·3	...	·4	...	...	...	...	...	...	4·8	1·7
28	...	...	...	...	·3	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	3·3	1·5	·2	...	...	...	...	6·2	2·5
30	...	...	...	...	...	·8	...	...	·2	...	...	·5	...	2·8	·4	·2	·2	·2	...	...	...	...	·1	...	5·4	2·0
Sum.	3·0	2·5	1·5	1·4	3·1	2·0	0·5	1·1	2·2	4·4	1·5	1·0	1·1	4·0	1·2	1·0	1·8	4·8	2·9	1·8	3·0	1·5	2·4	3·1	52·8	43·5
Total Duration.	hr. 2·3	hr. 2·9	hr. 1·4	hr. 1·4	hr. 2·1	hr. 1·6	hr. 1·0	hr. 0·6	hr. 1·5	hr. 2·6	hr. 1·6	hr. 1·3	hr. 0·8	hr. 1·5	hr. 1·4	hr. 1·3	hr. 1·5	hr. 3·3	hr. 2·0	hr. 2·0	hr. 1·9	hr. 1·7	hr. 1·6	hr. 4·2	hr. 43·5	

400. Cahirciveen (Valentia Observatory): H_r = 9·1 metres + 0·5 metre. **December, 1932.**

	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.
1	·1	...	·4	...	...	·4	...	·6	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·3	...	2·0	0·7
2	1·2	2·2	2·3	2·0	1·8	1·1	2·2	·4	...	...	...	...	...	...	...	...	...	...	...	·3	·5	·2	...	...	14·2	8·1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·9	...	...	...	·1	...	...	...	1·7	0·4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	·2	·2	·5	·6	·2	·8	...	...	...	...	...	·1	...	...	·5	...	·1	...	·5	3·7	2·7
13	...	...	·1	...	...	...	·4	...	·5	·1	·4	1·1	...	...	...	...	...	...	...	...	...	·1	·4	5·2	8·3	3·5
14	·8	1·0	·6	·6	...	...	...	...	1·3	·2	1·7	...	...	...	·1	...	...	...	...	...	...	...	...	...	6·3	2·9
15	·1	3·3	3·8	1·6	·1	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·3	3·5
16	...	...	...	...	·2	·8	·1	2·5	3·7	4·9	3·8	4·0	2·6	·3	·1	·6	·2	·5	2·4	2·7	6·7	6·2	1·3	·5	44·1	15·6
17	·2	·5	·6	·9	·8	...	·1	...	...	·3	...	·2	·6	·1	·4	·5	·3	·2	·8	·7	·2	1·3	2·0	2·0	12·7	16·0
18	1·3	·2	·1	·3	·2	·2	...	·3	·1	·9	·5	·8	·2	·2	·5	·7	·2	1·2	·8	...	...	...	...	...	8·7	14·5
19	...	...	·7	...	...	·5	...	·5	...	...	·3	·7	1·4	·1	·4	1·2	1·7	·1	·3	...	...	...	...	...	7·9	6·5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	0·5	0·7
21	·6	·1	...	...	...	...	...	...	...	·7	1·8	2·0	·9	·6	3·5	3·2	2·8	1·9	2·4	·9	1·5	·2	·5	·3	23·9	12·3
22	·2	...	...	...	...	...	...	...	...	...	·4	·5	1·3	1·8	·5	2·0	3·0	2·5	2·1	1·4	1·3	·1	·2	·3	17·6	10·8
23	·4	2·0	·7	·1	2·2	·1	...	...	...	...	·1	...	...	...	...	...	·4	·1	·5	...	...	...	·1	...	6·7	3·5
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	1·8	3·9	1·5	·3	·3	8·5	5·9
27	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
28	...	...	...	...	...	...	...	...	·3	·9	·2	1·0	·2	...	...	·8	·2	...	...	...	·1	·5	...	...	4·2	3·3
29	...	...	...	...	...	·2	·9	1·4	3·5	2·1	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	8·7	3·9
30	...	...	·9	...	·1	·3	...	...	1·0	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	2·7	1·4
31	...	...	...	1·8	2·3	2·6	2·3	2·5	...	...	...	...	...	...	...	...	·6	·1	·5	...	·5	1·4	·1	3·2	17·9	6·1
Sum.	5·1	9·3	10·2	7·3	7·7	6·4	6·6	8·7	11·0	10·3	10·0	10·7	7·2	3·1	5·5	9·7	10·4	7·5	10·4	8·3	14·8	11·6	5·6	12·4	209·8	122·5
Total Duration.	hr. 4·3	hr. 5·5	hr. 5·4	hr. 5·4	hr. 4·8	hr. 4·9	hr. 4·2	hr. 4·9	hr. 5·2	hr. 5·1	hr. 4·6	hr. 7·0	hr. 5·5	hr. 3·7	hr. 4·4	hr. 6·1	hr. 6·1	hr. 5·6	hr. 6·4	hr. 4·7	hr. 4·8	hr. 4·5	hr. 4·6	hr. 4·8	hr 122·5	
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	

DURATION OF BRIGHT SUNSHINE.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

401. Cahirciveen (Valentia Observatory): H_s (height of recorder above ground) = 12·8 metres. **January, 1932.**

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	--	--	--	--	--	...	...	·3	·5	...	...	...	...	--	--	--	--	--	0·8	10
4	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
7	--	--	--	--	--	...	...	·1	...	...	...	...	...	--	--	--	--	--	0·1	1
8	--	--	--	--	--	...	·6	1·0	·6	1·0	·7	...	...	--	--	--	--	--	3·9	49
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
10	--	--	--	--	--	...	·1	·7	·1	·6	·6	·2	...	--	--	--	--	--	2·3	29
11	--	--	--	--	--	...	...	...	·6	·7	·7	...	...	--	--	--	--	--	2·0	25
12	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
13	--	--	--	--	...	...	...	·1	·5	·4	·4	...	...	...	--	--	--	--	1·4	17
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
15	--	--	--	--	...	...	...	...	...	...	..	...	...	...	--	--	--	--	...	...
16	--	--	--	--	...	...	...	...	...	·1	...	·2	...	...	--	--	--	--	0·3	4
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
18	--	--	--	--	...	...	...	...	...	...	...	·2	...	...	--	--	--	--	0·2	2
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
20	--	--	--	--	...	·4	1·0	·7	·1	...	...	...	...	...	--	--	--	--	2·2	26
21	--	--	--	--	...	...	·5	·2	...	...	...	...	...	...	--	--	--	--	0·7	8
22	--	--	--	--	...	...	·3	·1	·3	·1	...	...	...	...	--	--	--	--	0·8	9
23	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
24	--	--	--	--	...	...	...	...	...	...	...	·1	...	...	--	--	--	--	0·1	1
25	--	--	--	--	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	7·2	83
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
27	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
30	--	--	--	--	...	·1	·6	·9	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	6·5	73
31	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
Sum.	--	--	--	--	...	0·8	4·1	5·1	4·7	4·9	4·4	2·7	1·8	...	--	--	--	--	28·5	--
Mean	--	--	--	--	...	·03	·13	·16	·15	·15	·14	·09	·06	...	--	--	--	--	0·92	11

402. Cahirciveen (Valentia Observatory): H_s = 12·8 metres. **February, 1932.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
2	--	--	--	--	...	·6	·9	1·0	·5	...	...	...	...	...	--	--	--	--	3·0	33
3	--	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	--	--	--	7·5	82
4	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
5	--	--	--	--	...	·3	·1	...	...	·1	...	...	...	...	--	--	--	--	0·5	5
6	--	--	--	--	...	...	...	·1	·1	...	...	...	...	...	--	--	--	--	0·2	2
7	--	--	--	--	...	...	...	...	...	...	...	...	·4	...	--	--	--	--	0·4	4
8	--	--	--	--	...	·8	1·0	·8	·2	...	1·0	·9	·3	...	--	--	--	--	5·0	53
9	--	--	--	--	...	·8	·6	·1	·4	1·0	·7	...	...	...	--	--	--	--	3·6	38
10	--	--	--	--	...	·8	1·0	1·0	·8	...	...	·2	·2	...	--	--	--	--	4·0	42
11	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	·9	·2	...	...	--	--	--	--	5·3	55
12	--	--	--	--	...	...	·5	·7	·2	·5	·5	1·0	·7	·1	--	--	--	--	4·2	43
13	--	--	--	--	...	·3	1·0	1·0	1·0	·7	·5	·1	...	...	--	--	--	--	4·6	47
14	--	--	--	--	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	--	--	--	--	8·0	82
15	--	--	--	--	...	·1	·5	·7	·4	·3	·3	·1	·2	·1	--	--	--	--	2·7	27
16	--	--	--	--	...	...	...	...	...	...	...	·1	·6	·2	--	--	--	--	0·9	9
17	--	--	--	--	...	...	...	·6	·9	1·0	·6	·4	·5	...	--	--	--	--	4·0	40
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
19	--	--	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	--	--	8·4	83
20	--	--	--	...	...	1·0	1·0	1·0	·8	·1	·7	...	...	...	...	--	--	--	4·6	45
21	--	--	--	...	·1	·7	...	...	·4	1·0	1·0	·6	·3	...	...	--	--	--	4·1	40
22	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
23	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
24	--	--	--	...	·2	·3	...	·6	·5	...	·3	·3	·1	·1	...	--	--	--	2·4	23
25	--	--	--	...	...	·5	...	...	...	·3	·2	·4	·3	...	...	--	--	--	1·7	16
26	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
27	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
28	--	--	--	...	...	·3	...	·9	·9	·5	·5	·9	1·0	·5	...	--	--	--	5·5	51
29	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
Sum.	--	--	--	...	0·4	8·9	10·6	12·5	11·1	9·5	10·2	8·2	7·5	1·7	...	--	--	--	80·6	
Mean.	--	--	--	...	·01	·31	·37	·43	·38	·33	·35	·28	·26	·06	...	--	--	--	2·78	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.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

403. Cahirciveen (Valentia Observatory): H_s (height of recorder above ground) = 12·8 metres. **March, 1932.**

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	...	...	·1	1·0	·3	·3	1·0	·7	·1	·3	·4	...	--	--	--	4·2	39
2	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
3	--	--	--	...	·3	1·0	1·0	1·0	·7	1·0	·9	·5	·7	·8	...	--	--	--	7·9	72
4	--	--	--	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	9·0	82
5	--	--	--	...	...	...	·3	·5	·1	...	...	·5	·5	...	...	--	--	--	1·9	17
6	--	--	--	...	·1	·5	·5	·6	·3	·5	·7	·5	·4	...	...	--	--	--	4·1	37
7	--	--	--	...	...	...	...	...	·6	·2	...	...	...	...	...	--	--	--	0·8	7
8	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
9	--	--	--	...	...	·5	1·0	1·0	·7	·8	·9	·9	·5	·8	·1	--	--	--	7·2	64
10	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	--	--	--	9·9	87
11	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·6	·2	--	--	--	9·2	81
12	--	--	--	...	·2	·5	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	--	--	--	8·2	71
13	--	--	--	...	...	...	...	·8	·9	·9	·8	1·0	·8	·3	...	--	--	--	5·5	48
14	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	--	--	--	10·1	87
15	--	--	--	...	·6	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	9·4	80
16	--	--	--	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	--	--	--	10·0	85
17	--	--	--	...	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	--	--	7·8	66
18	--	--	--	...	...	...	...	...	...	...	...	...	·4	...	...	--	--	--	0·4	3
19	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
21	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
22	--	--	...	·2	·8	·1	·4	·5	·6	·5	1·0	1·0	1·0	·9	...	...	--	--	7·0	57
23	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
24	--	--	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	0·1	1
25	--	--	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	--	--	0·3	2
26	--	--	...	·2	·7	·3	·3	1·0	1·0	1·0	1·0	1·0	·9	...	...	...	--	--	7·4	59
27	--	--	...	...	...	·9	·4	...	·3	·6	·6	1·0	·8	·3	·1	...	--	--	5·0	40
28	--	--	...	...	...	...	·4	·5	·3	·4	·1	·2	·7	·2	...	...	--	--	2·8	22
29	--	--	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	--	--	0·5	4
30	--	--	...	...	...	·2	·6	·6	·9	·5	·8	·6	1·0	·4	·5	...	--	--	6·1	48
31	--	--	...	...	·1	...	·3	...	·1	...	...	·4	·3	...	...	...	--	--	1·2	9
Sum.	--	--	...	0·4	6·5	10·8	13·3	14·8	14·8	15·4	15·5	15·9	15·9	10·7	2·0	...	--	--	136·0	
Mean	--	--	...	·01	·21	·35	·43	·48	·48	·50	·50	·51	·51	·35	·06	...	--	--	4·39	37

404. Cahirciveen (Valentia Observatory): H_s = 12·8 metres. **April, 1932.**

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	--	--	...	...	...	...	...	...	...	...	·1	·1	·1	·1	...	...	--	--	0·4	3
2	--	--	...	...	...	...	...	...	·1	·4	·4	·8	·8	·3	·6	...	--	--	3·4	26
3	--	--	...	...	·6	1·0	·5	...	·2	·6	·2	1·0	1·0	1·0	·5	...	--	--	6·6	51
4	--	--	...	...	...	·7	1·0	1·0	1·0	·7	·6	·3	·5	...	·6	...	--	--	6·4	49
5	--	--	...	·5	1·0	·5	...	...	·4	·4	·1	·1	·2	...	...	...	--	--	3·2	24
6	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
7	--	--	...	...	·1	·5	·5	·4	1·0	·9	·8	·9	·8	·5	·4	...	--	--	6·8	51
8	--	--	...	·2	·4	·9	·5	1·0	...	·4	·5	·7	·2	...	...	...	--	--	4·8	36
9	--	--	...	·1	·5	...	...	...	...	...	...	...	...	...	...	...	--	--	0·6	4
10	--	--	...	·1	·1	·1	...	...	...	·2	·6	·6	·5	·7	·3	...	--	--	3·2	24
11	--	--	...	·5	·8	·7	·8	·5	·4	·7	·8	·3	·6	·2	·3	...	--	--	6·6	49
12	--	--	...	·6	1·0	·7	1·0	1·0	·4	·1	·6	1·0	·7	·7	·4	...	--	--	8·2	60
13	--	--	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	--	--	0·2	1
14	--	--	...	·3	·7	·8	·4	·6	·6	1·0	1·0	·8	·9	...	·1	...	--	--	7·2	52
15	--	--	·2	...	·2	...	·1	·4	·4	...	·5	·1	...	·9	...	...	--	--	2·8	20
16	--	--	...	·8	·6	1·0	·9	·7	1·0	1·0	1·0	·7	·4	·6	·8	·4	--	--	9·9	71
17	--	--	...	·1	...	·3	·7	·8	·2	1·0	1·0	·3	·4	·1	...	...	--	--	4·9	35
18	--	--	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	·5	--	--	12·5	89
19	--	--	...	·2	·4	·2	·9	·3	·2	·3	·5	·3	·3	·8	...	...	--	--	4·4	31
20	--	...	·1	·4	·5	·8	·5	·2	1·0	·9	·7	·8	·7	·4	·7	...	...	--	7·7	55
21	--	...	...	...	...	·8	1·0	1·0	·9	1·0	1·0	1·0	1·0	·8	·7	...	...	--	9·2	65
22	--	...	...	...	...	·1	·6	·7	...	...	...	...	...	...	...	·1	...	--	1·5	11
23	--	...	...	...	·3	·6	·2	·6	·5	·1	·5	·5	·9	·8	·8	·2	...	--	6·0	42
24	--	...	·3	·6	·6	·8	·7	·2	·4	·8	·9	·8	·2	·2	·2	...	...	--	6·7	47
25	--	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	·3	...	--	0·5	3
26	--	...	...	1·0	·4	·3	·1	·6	1·0	1·0	1·0	1·0	·9	1·0	1·0	·6	...	--	9·9	68
27	--	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	--	0·1	1
28	--	...	...	·9	·7	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	11·2	77
29	--	...	·9	1·0	·8	1·0	1·0	·9	·2	·2	·2	·2	...	...	...	...	...	--	6·4	43
30	--	...	...	·3	·1	...	·7	·6	·6	·1	·2	·2	·3	...	...	...	...	--	3·1	21
Sum.	--	...	1·9	8·6	10·8	13·1	14·3	13·6	12·5	13·8	15·0	14·3	13·4	11·1	9·6	2·4	...	--	154·4	--
Mean	--	...	·06	·29	·36	·44	·48	·45	·42	·46	·50	·48	·45	·37	·32	·08	...	--	5·15	37
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.

405. Cahirciveen (Valentia Observatory): H_s (height of recorder above ground) = 12·8 metres. May, 1932.

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total For Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	...	·1	·1	...	·4	·2	·2	·6	·7	·3	·4	·6	·5	·2	...	...	--	4·3	29
2	--	...	·6	1·0	1·0	1·0	1·0	·8	·9	1·0	1·0	1·0	1·0	·1	·4	·3	...	--	11·1	75
3	--	...	...	...	·5	·2	·5	1·0	1·0	·5	·5	1·0	1·0	1·0	1·0	·9	...	--	9·1	61
4	--	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	--	13·8	92
5	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·4	·3	·4	·3	·1	...	--	9·5	63
6	--	...	...	·6	1·0	1·0	·9	1·0	·8	·9	·5	·3	·8	·9	1·0	·2	...	--	9·9	66
7	--	...	...	·1	·6	·5	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	9·8	65
8	--	...	...	·2	...	...	...	...	...	...	...	·1	·7	·1	...	...	...	--	1·1	7
9	--	...	·1	·5	·9	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	·2	--	12·5	82
10	--	·3	1·0	·5	·8	·1	...	...	...	...	...	...	...	...	...	...	...	--	2·7	18
11	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	1
12	--	...	...	...	...	...	...	...	...	...	·1	1·0	1·0	·6	·8	·1	...	--	3·6	23
13	--	...	·1	·2	·1	·1	·9	·9	·2	·1	·5	1·0	1·0	1·0	·3	...	...	--	6·4	41
14	--	...	...	...	·5	·7	1·0	1·0	1·0	1·0	·8	·6	·6	·4	·1	...	...	--	7·7	50
15	--	...	·5	1·0	1·0	1·0	1·0	·3	·2	...	...	·5	1·0	1·0	1·0	1·0	·1	--	9·6	62
16	--	...	·8	1·0	1·0	1·0	·7	...	·2	1·0	·2	1·0	1·0	1·0	·8	·8	·3	--	10·8	69
17	--	...	...	...	...	1·0	1·0	·1	...	...	...	...	...	...	...	...	...	--	2·1	13
18	--	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	...	--	0·4	3
19	--	...	...	...	...	...	...	·1	...	·1	...	·1	·2	...	...	...	...	--	0·5	3
20	--	...	...	...	...	...	...	...	...	...	...	·1	...	...	·4	·3	...	--	0·8	5
21	--	...	...	...	...	·1	...	·4	1·0	·8	1·0	1·0	1·0	·8	1·0	1·0	·2	--	8·3	52
22	--	...	...	...	...	...	...	·2	·8	·4	·1	...	...	...	...	...	...	--	1·5	9
23	--	...	...	...	...	...	·3	...	...	...	...	...	·1	·4	...	·3	...	--	1·1	7
24	--	...	·9	·5	·9	·6	·4	·6	·9	·9	·2	·3	·1	·8	·8	·8	·2	--	8·7	54
25	--	·3	·4	·6	·4	·5	·8	·2	·5	·3	·6	...	·2	·6	...	...	...	--	5·4	34
26	--	...	·6	1·0	1·0	1·0	·2	·5	·5	·7	·6	·5	·4	·1	·6	·2	...	--	7·9	49
27	...	·5	1·0	1·0	1·0	1·0	1·0	·4	·3	·5	·3	...	...	...	·6	·6	·1	...	8·3	52
28	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	·8	·7	...	...	1·8	11
29	...	...	...	...	...	...	...	...	...	...	·1	1·0	·3	...	...	...	...	...	1·4	9
30	...	·3	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	4
31	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	0·2	1
Sum.	...	1·4	7·6	10·3	12·7	13·2	13·7	11·7	12·9	12·7	10·8	13·5	14·3	12·5	13·1	9·5	1·1	...	171·0	--
Mean	...	·05	·25	·33	·41	·43	·44	·38	·42	·41	·35	·44	·46	·40	·42	·31	·04	...	5·52	35

406. Cahirciveen (Valentia Observatory): H_s = 12·8 metres. June, 1932.

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.
	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	·9	1·0	1·0	·7	·1	...	·6	...	...	...	...	8·5	52
2	...	...	·7	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·1	...	13·5	83
3	...	...	·1	1·0	1·0	1·0	1·0	·6	·7	...	...	...	·1	...	...	...	...	...	5·5	34
4	...	...	*(·5)	(·4)	(·6)	(·6)	(·2)	(·2)	...	...	...	...	...	·2	·1	·7	·5	...	(4·0)*	(24)
5	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·2	·9	1·0	1·0	·6	...	14·0	85
6	...	...	...	...	...	...	·1	...	...	·1	...	...	...	·2	...	...	...	...	0·4	2
7	...	·4	1·0	·8	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	13·5	82
8	...	·4	·9	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	·2	·1	...	...	...	...	...	9·3	56
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·1	·8	·3	·4	·6	1·0	·1	...	...	...	...	...	3·3	20
11	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	15·3	93
12	...	...	·1	1·0	1·0	1·0	·9	·2	...	...	...	·4	...	...	·2	...	...	...	4·8	29
13	...	·8	·1	·9	1·0	1·0	1·0	·8	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	13·9	84
14	...	...	·1	·5	·7	·1	...	·2	...	·2	·4	·5	·9	·6	·3	...	...	...	4·5	27
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	0·7	4
16	...	...	·4	·2	·5	·4	·4	·2	·3	·2	·4	·2	...	...	·2	...	...	...	3·4	20
17	...	...	...	...	...	·5	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	9·9	59
18	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·3	·2	...	·3	·5	1·0	·5	...	...	9·4	56
19	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	...	·6	·1	...	12·1	73
20	...	...	·3	·2	...	...	...	...	·5	·8	1·0	1·0	1·0	·7	·5	·6	...	...	6·6	40
21	...	...	...	...	...	...	...	...	...	·2	1·0	...	·2	...	...	...	...	...	1·4	8
22	...	...	...	...	...	...	·3	...	·4	·8	·7	1·0	1·0	1·0	·4	...	...	...	5·6	34
23	...	...	...	·1	·9	·9	1·0	1·0	·7	...	·4	1·0	1·0	1·0	1·0	1·0	·5	...	10·5	63
24	...	...	...	...	·3	·1	·4	·4	·8	·5	...	...	·4	·4	·6	·6	...	...	4·5	27
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	·3	·2	·6	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	·5	...	11·4	69
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	·7	·5	·2	·1	...	...	...	...	...	...	...	...	1·5	9
Sum.	...	3·0	8·0	12·2	13·1	14·0	15·3	14·6	14·7	13·5	14·2	13·4	12·2	12·1	11·3	11·7	4·2	...	187·5	--
Mean	...	·10	·27	·41	·44	·47	·51	·49	·49	·45	·47	·45	·41	·40	·38	·39	·14	...	6·25	38
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible.

* Record for part of day lost owing to sphere having been displaced.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

407. Cahirciveen (Valentia Observatory): H_S (height of recorder above ground) = 12·8 metres. July, 1932.

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	1·0	·8	·2	...	·5	1·0	·3	·5	·3	·2	...	...	5·8	35
2	...	...	·1	·4	·6	1·0	·6	·3	...	...	...	...	...	...	...	...	...	...	3·0	18
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	·4	·6	·7	...	·1	·7	·5	·2	·7	·3	...	4·2	25
5	...	...	·2	·2	·1	·1	·3	·2	1·0	·6	·6	·1	...	...	...	·1	...	...	3·5	21
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	0·3	2
7	...	...	...	...	·4	·2	·1	·2	...	...	...	...	...	...	...	...	...	...	0·9	5
8	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	1
9	...	...	...	...	...	...	...	...	·3	...	...	·2	·7	·6	·3	...	...	...	2·1	13
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	1
11	...	·4	·8	·1	...	·3	·4	·2	·4	·9	1·0	1·0	1·0	1·0	·9	·4	·6	...	9·4	57
12	...	·4	·6	·9	1·0	1·0	1·0	1·0	·3	·5	·1	·1	...	...	...	...	...	...	6·9	42
13	...	...	...	·2	·3	·2	·5	·2	·2	·5	...	...	...	...	...	...	...	...	2·1	13
14	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·5	...	...	0·7	4
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	·3	1·0	·4	·5	...	...	...	·2	·3	·3	·4	...	·1	...	...	...	3·5	22
17	...	...	...	...	...	...	...	·3	·3	·7	·7	·9	·7	·8	·1	·2	·2	...	4·9	30
18	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
19	--	...	...	·1	...	...	·1	...	·1	·3	·5	·4	...	...	...	...	...	--	1·5	9
20	--	...	...	...	...	·6	·6	·4	...	...	...	·2	...	...	...	...	...	--	1·8	11
21	--	...	...	...	·7	·8	·5	·8	·4	...	...	...	·1	...	...	...	...	--	3·3	21
22	--	...	...	...	...	...	·3	·1	·2	·5	1·0	1·0	1·0	·9	·3	...	...	--	5·3	33
23	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
24	--	...	...	...	...	...	...	...	...	...	...	·4	...	·1	...	·7	...	--	1·2	8
25	--	...	·1	·7	·3	...	...	·2	·7	·9	·9	·7	·7	·4	...	...	...	--	5·6	35
26	--	...	·6	·4	·1	·5	...	·2	...	·3	·2	·3	·4	·2	·1	·1	...	--	3·4	22
27	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	--	0·1	1
28	--	...	...	...	...	...	...	...	...	·2	...	·1	·1	...	...	...	...	--	0·4	3
29	--	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	--	0·1	1
30	--	...	...	...	...	...	...	·5	·1	...	...	...	...	...	...	·4	...	--	1·0	6
31	--	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	--	0·1	1
Sum.	...	0·8	2·7	4·0	4·0	6·2	5·4	5·9	4·8	6·3	5·8	6·8	6·1	5·3	2·5	3·5	1·2	...	71·3	
Mean	...	·03	·09	·13	·13	·20	·17	·19	·15	·20	·19	·22	·20	·17	·08	·11	·04	...	2·30	14

408. Cahirciveen (Valentia Observatory): H_S = 12·8 metres. August, 1932.

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	...	...	...	·4	·2	·4	·3	·5	·9	·9	1·0	·8	·7	1·0	·2	...	--	7·3	47
2	--	...	...	...	...	...	...	...	...	...	...	·3	1·0	·3	·1	...	...	--	1·7	11
3	--	...	...	...	·7	·3	...	·1	·1	...	·3	·4	...	...	...	...	...	--	1·9	12
4	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
5	--	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	--	0·3	2
6	--	...	...	...	...	...	...	·1	·5	·5	1·0	1·0	1·0	·5	·2	...	...	--	4·8	32
7	--	...	...	...	...	...	·1	...	·1	·2	...	...	·1	·1	...	...	...	--	0·6	4
8	--	...	...	...	·1	...	...	...	...	...	·1	·2	·1	...	...	...	...	--	0·5	3
9	--	...	...	...	...	...	·7	1·0	1·0	·5	1·0	1·0	1·0	1·0	·5	...	...	--	7·7	51
10	--	...	...	...	...	...	·1	...	...	...	...	·2	...	...	...	...	...	--	0·3	2
11	--	...	...	...	...	·4	1·0	·1	·1	...	...	...	...	...	...	...	...	--	1·6	11
12	--	...	...	...	...	...	...	...	...	...	·7	1·0	·9	·5	...	...	...	--	3·1	21
13	--	...	...	·6	·2	·9	·6	·3	·2	·1	·6	...	...	...	·4	...	...	--	3·9	26
14	--	...	...	·3	·4	·3	·6	·7	·6	·2	·5	...	·2	·3	·5	·3	...	--	4·9	33
15	--	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	...	--	11·8	80
16	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
17	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
18	--	...	...	...	...	·2	·8	·8	·2	·1	...	...	·4	...	...	...	...	--	2·5	17
19	--	...	·1	1·0	1·0	1·0	1·0	·7	·5	·4	1·0	1·0	·7	·5	·1	...	...	--	9·0	62
20	--	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	--	0·6	4
21	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...
22	--	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	--	0·1	1
23	--	...	...	...	...	...	...	...	...	...	...	...	·8	...	...	...	...	--	0·8	6
24	--	--	...	...	...	·1	·2	·3	...	...	...	·8	·8	·2	·4	...	--	--	2·8	20
25	--	--	·2	·9	·4	·5	·8	1·0	·4	·1	·7	1·0	1·0	·4	...	...	--	--	7·4	53
26	--	--	·2	·2	·2	·1	...	·2	...	...	...	...	...	...	...	...	--	--	0·9	6
27	--	--	·5	·9	1·0	1·0	·3	1·0	1·0	1·0	1·0	·9	·5	·5	·5	...	--	--	10·1	73
28	--	--	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	--	--	0·1	1
29	--	--	...	...	...	...	...	...	·3	...	·1	·4	·4	...	...	...	--	--	1·2	9
30	--	--	...	·3	·4	...	...	...	...	·5	1·0	·7	·9	·8	·7	...	--	--	5·3	39
31	--	--	...	·5	·8	·3	·8	·9	...	...	·1	·1	...	...	...	...	--	--	3·5	26
Sum.	--	...	2·0	5·7	6·6	6·4	8·4	9·1	6·5	5·8	10·0	11·0	11·7	6·6	4·4	0·5	...	--	94·7	--
Mean	--	...	·06	·18	·21	·21	·27	·29	·21	·19	·32	·35	·38	·21	·14	·02	...	--	3·05	21
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.

409. Cahirciveen (Valentia Observatory): H_S (height of recorder above ground) = 12·8 metres. September, 1932.

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	--	--	0·1	1
2	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
3	--	--	...	·3	·1	·2	·4	·6	·9	·9	·6	·9	·9	1·0	·2	...	--	--	7·0	52
4	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
5	--	--	...	...	...	...	...	...	...	...	...	·7	1·0	1·0	·3	...	--	--	3·0	23
6	--	--	...	...	·4	1·0	1·0	1·0	1·0	·6	1·0	·6	·9	1·0	·2	...	--	--	8·7	65
7	--	--	...	·2	·9	·1	·1	...	...	...	...	...	...	...	·1	...	--	--	1·4	11
8	--	--	...	...	·2	·2	·2	...	...	...	...	...	...	...	...	...	--	--	0·6	5
9	--	--	...	...	·1	·4	·2	·4	·4	·1	·8	·9	...	...	...	...	--	--	3·3	25
10	--	--	...	...	·7	·7	1·0	·3	·8	1·0	·3	·7	·8	·4	·2	...	--	--	6·9	53
11	--	--	...	·2	·5	1·0	1·0	1·0	1·0	·8	·8	1·0	·9	1·0	·3	...	--	--	9·5	73
12	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
13	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
14	--	--	...	...	...	...	...	·3	...	...	...	...	·2	·7	...	...	--	--	1·2	9
15	--	--	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	--	--	0·4	3
16	--	--	...	...	·4	·9	·7	·2	·6	·4	...	...	·4	·1	...	...	--	--	3·7	29
17	--	--	...	...	·4	·3	...	...	·2	1·0	·3	...	...	...	...	...	--	--	2·2	18
18	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
19	--	--	...	·3	·5	·9	·7	·9	1·0	·8	1·0	·4	·8	...	...	...	--	--	7·3	59
20	--	--	...	...	...	·4	·1	...	...	...	·3	·2	1·0	1·0	·3	...	--	--	3·3	27
21	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·4	...	--	--	10·5	85
22	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...
23	--	--	...	·1	·8	·1	·2	...	1·0	1·0	·6	·9	·8	·6	·5	...	--	--	6·6	54
24	--	--	--	...	...	...	·9	...	...	...	...	...	...	...	...	--	--	--	0·9	7
25	--	--	--	...	·4	·7	·6	...	·7	·5	·4	·6	·3	·5	...	--	--	--	4·7	39
26	--	--	--	...	...	·8	·7	·7	·4	·4	·4	·8	·7	·4	...	--	--	--	5·3	44
27	--	--	--	...	·4	·9	·8	·5	·9	1·0	1·0	1·0	·9	·1	...	--	--	--	7·5	63
28	--	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	8·1	69
29	--	--	--	...	·7	1·0	1·0	1·0	·6	...	...	...	...	...	...	--	--	--	4·3	37
30	--	--	--	...	·8	1·0	1·0	·9	1·0	1·0	1·0	·5	·1	·2	...	--	--	--	7·5	64
Sum.	--	--	...	1·3	8·8	12·9	12·7	9·8	12·6	11·5	10·5	11·2	11·2	9·0	2·5	...	--	--	114·0	--
Mean	--	--	...	·04	·29	·43	·42	·33	·42	·38	·35	·37	·37	·30	·08	...	--	--	3·80	30

410. Cahirciveen (Valentia Observatory): H_S = 12·8 metres. October, 1932.

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	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	9·6	83
2	--	--	--	...	...	...	·6	·6	·2	...	·3	·5	·3	...	...	--	--	--	2·5	22
3	--	--	--	...	...	·4	1·0	·6	·8	·5	1·0	1·0	1·0	·4	...	--	--	--	6·7	58
4	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
5	--	--	--	...	·1	...	·2	·4	1·0	·6	1·0	1·0	·8	·7	...	--	--	--	5·8	51
6	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
7	--	--	--	...	...	...	...	...	...	...	...	...	·8	·2	...	--	--	--	1·0	9
8	--	--	--	...	·1	...	·2	·4	·7	·7	·2	·3	·2	...	...	--	--	--	2·8	25
9	--	--	--	...	·4	·3	·9	·6	·9	1·0	·8	·5	·1	...	...	--	--	--	5·5	50
10	--	--	--	...	·4	1·0	1·0	1·0	·5	·5	·7	1·0	1·0	·4	...	--	--	--	7·5	68
11	--	--	--	...	...	...	...	...	...	...	...	·1	...	...	...	--	--	--	0·1	1
12	--	--	--	...	...	...	...	...	...	...	·9	1·0	1·0	·5	...	--	--	--	3·4	31
13	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
14	--	--	--	...	...	·4	·8	·4	·8	1·0	·7	·5	·2	...	...	--	--	--	4·8	45
15	--	--	--	...	...	·7	...	·1	·8	·7	1·0	·8	·4	...	...	--	--	--	4·5	42
16	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
17	--	--	--	...	...	...	...	...	...	...	...	·2	...	...	...	--	--	--	0·2	2
18	--	--	--	...	...	·5	·1	·7	·5	...	·9	·7	...	...	...	--	--	--	3·4	32
19	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...
21	--	--	--	...	...	·2	...	...	...	...	...	...	...	...	...	--	--	--	0·2	2
22	--	--	--	...	...	·6	·2	1·0	·7	·8	·8	·6	·7	·1	...	--	--	--	5·5	54
23	--	--	--	...	...	...	...	...	·1	...	·5	·4	...	...	...	--	--	--	1·0	10
24	--	--	--	...	...	...	...	...	...	...	...	...	·7	...	...	--	--	--	0·7	7
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
26	--	--	--	--	...	·2	·9	1·0	·6	·8	1·0	·8	·4	·1	--	--	--	--	5·8	58
27	--	--	--	--	...	...	...	·1	...	...	...	·4	·4	...	--	--	--	--	0·9	9
28	--	--	--	--	...	·3	·4	·4	·8	·8	·8	1·0	·8	·2	--	--	--	--	5·5	56
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
30	--	--	--	--	...	...	·3	·6	·7	·5	·4	...	...	...	--	--	--	--	2·5	26
31	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
Sum.	--	--	--	...	1·8	5·6	7·6	8·9	10·1	8·9	12·0	11·8	9·8	3·4	...	--	--	--	79·9	--
Mean.	--	--	--	...	·06	·18	·25	·29	·33	·29	·39	·38	·32	·11	...	--	--	--	2·58	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.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

411. Cahirciveen (Valentia Observatory): H_S (height of recorder above ground) = 12·8 metres. November, 1932.

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	--	...	...	·5	·9	1·0	·6	·4	...	...	...	--	--	--	--	3·4	35
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
3	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
4	--	--	--	--	...	...	·8	·3	·2	·6	·5	·6	·4	·1	--	--	--	--	3·5	37
5	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	--	--	--	--	8·0	85
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
7	--	--	--	--	...	·7	1·0	1·0	1·0	·9	1·0	1·0	·6	...	--	--	--	--	7·2	78
8	--	--	--	--	...	...	...	...	...	·4	...	...	...	...	--	--	--	--	0·4	4
9	--	--	--	--	...	...	·5	·3	·2	·1	...	...	...	...	--	--	--	--	1·1	12
10	--	--	--	--	...	·5	·9	·6	·6	1·0	·7	·1	...	...	--	--	--	--	4·4	48
11	--	--	--	--	...	...	...	...	·5	·5	...	...	...	...	--	--	--	--	1·0	11
12	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
13	--	--	--	--	...	...	...	...	·3	·3	·1	·4	...	...	--	--	--	--	1·1	12
14	--	--	--	--	...	...	...	...	·3	...	...	...	...	...	--	--	--	--	0·3	3
15	--	--	--	--	...	...	...	·6	·2	...	·2	·3	...	...	--	--	--	--	1·3	15
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
19	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	--	--	--	--	6·9	81
20	--	--	--	--	...	...	...	·2	·4	·4	1·0	·5	...	...	--	--	--	--	2·5	29
21	--	--	--	--	...	...	·2	·3	·8	·8	...	...	...	...	--	--	--	--	2·1	25
22	--	--	--	--	...	...	...	...	...	·1	·1	...	...	...	--	--	--	--	0·2	2
23	--	--	--	--	...	...	·1	·1	·4	·5	·6	·3	...	...	--	--	--	--	2·0	24
24	--	--	--	--	...	...	·3	...	...	...	...	...	...	...	--	--	--	--	0·3	4
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
26	--	--	--	--	...	...	·4	·5	·9	·2	·6	·4	...	...	--	--	--	--	3·0	35
27	--	--	--	--	...	...	·1	·5	·7	·5	·4	·1	...	...	--	--	--	--	2·3	28
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...
29	--	--	--	--	...	...	...	·1	·1	...	...	...	...	...	--	--	--	--	0·2	2
30	--	--	--	--	--	...	...	...	·3	·3	...	...	...	--	--	--	--	--	0·6	7
Sum.	--	--	--	--	...	2·2	6·8	7·4	9·9	9·2	7·6	5·7	2·7	0·3	--	--	--	--	51·8	--
Mean.	--	--	--	--	...	·07	·23	·25	·33	·31	·25	·19	·09	·01	--	--	--	--	1·73	20

412. Cahirciveen (Valentia Observatory): H_S = 12·8 metres. December and Year, 1932.

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.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	--	--	--	--	--	...	1·0	·9	1·0	·7	·7	·3	...	--	--	--	--	--	4·6	55
2	--	--	--	--	--	...	·2	·8	·6	1·0	·3	·2	...	--	--	--	--	--	3·1	39
3	--	--	--	--	--	...	·2	·7	·5	·9	·9	·4	...	--	--	--	--	--	3·6	45
4	--	--	--	--	--	...	·1	·5	·7	...	·3	...	·1	--	--	--	--	--	1·7	21
5	--	--	--	--	--	...	·9	·3	·4	·3	·1	...	...	--	--	--	--	--	2·0	25
6	--	--	--	--	--	...	·2	·9	...	·7	...	...	...	--	--	--	--	--	1·8	23
7	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
8	--	--	--	--	--	...	...	...	·6	·5	...	...	...	--	--	--	--	--	1·1	14
9	--	--	--	--	--	...	·6	·7	·4	1·0	1·0	1·0	·3	--	--	--	--	--	5·0	64
10	--	--	--	--	--	...	...	1·0	1·0	·5	1·0	·3	...	--	--	--	--	--	3·8	49
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
12	--	--	--	--	--	...	...	·1	...	·1	...	...	...	--	--	--	--	--	0·2	3
13	--	--	--	--	--	...	...	...	...	...	...	·4	...	--	--	--	--	--	0·4	5
14	--	--	--	--	--	...	...	·1	·7	·8	·3	·9	...	--	--	--	--	--	2·8	36
15	--	--	--	--	--	...	·8	·4	1·0	1·0	·1	...	...	--	--	--	--	--	3·3	43
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
17	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
18	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
19	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
20	--	--	--	--	--	...	·8	1·0	1·0	1·0	1·0	·5	·3	--	--	--	--	--	5·6	73
21	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
22	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
23	--	--	--	--	--	...	...	·5	·9	·9	·8	...	...	--	--	--	--	--	3·1	40
24	--	--	--	--	--	...	...	·1	·8	·8	·5	·2	...	--	--	--	--	--	2·4	31
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
27	--	--	--	--	--	...	...	·4	...	...	...	·3	...	--	--	--	--	--	0·7	9
28	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...
29	--	--	--	--	--	...	...	...	·2	·4	1·0	·7	·1	--	--	--	--	--	2·4	31
30	--	--	--	--	--	...	·1	·2	...	·6	1·0	1·0	...	--	--	--	--	--	2·9	38
31	--	--	--	--	--	...	...	...	...	...	...	·4	...	--	--	--	--	--	0·4	5
Sum.	--	--	--	--	--	...	4·9	8·6	9·8	11·2	9·0	6·6	0·8	--	--	--	--	--	50·9	--
Mean	--	--	--	--	--	...	·16	·28	·32	·36	·29	·21	·03	--	--	--	--	--	1·64	21
Annual Total	...	5·2	22·2	42·5	64·7	94·1	117·1	122·0	124·4	122·7	125·0	121·1	107·4	72·7	45·4	27·6	6·5	...	1220·6	
Annual Mean	...	·01	·06	·12	·18	·26	·32	·33	·34	·34	·34	·33	·29	·20	·12	·08	·02	...	3·33	
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.

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

413. Cahirciveen (Valentia Observatory):

H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	7·3	225	6·6	225	7·0	225	6·8	220	7·2	220	8·0	220	8·3	210	8·0	210	9·0	215	9·9	230	10·7	230	9·2
2	220	10·8	215	10·8	210	11·0	210	10·8	210	10·4	220	11·0	215	10·8	215	11·3	215	10·7	220	10·9	230	11·7	225	11·6
3	225	12·6	220	12·2	220	12·7	215	12·0	215	12·2	220	12·5	225	12·0	220	12·1	215	11·5	225	12·1	215	12·5	210	12·5
4	185	10·9	190	11·1	190	11·3	185	11·5	190	11·7	190	12·2	185	12·9	185	13·0	180	12·4	180	12·5	180	13·9	180	13·4
5	210	10·6	210	10·8	205	9·9	200	11·8	200	12·0	200	12·1	200	13·3	200	16·5	205	15·1	205	15·0	205	14·0	205	14·5
6	195	3·5	215	4·7	220	5·9	215	5·8	225	9·6	230	11·2	235	10·6	235	9·5	225	6·7	220	6·5	200	5·4	215	6·1
7	275	3·4	250	4·0	230	5·6	260	6·5	270	6·2	285	5·6	300	3·2	320	2·9	260	3·1	275	2·6	320	3·0	40	3·0
8	40	3·8	50	2·6	60	1·8	175	2·0	70	1·7	75	1·9	80	1·0	60	2·0	90	1·7	---	(···)	---	(···)	50	1·8
9	195	7·3	200	9·6	(195)	11·4	(190)	11·8	(190)	12·7	(190)	13·1	190	14·9	185	15·2	190	15·0	195	13·5	200	12·1	195	12·7
10	200	8·4	205	9·1	205	10·6	205	10·9	205	11·6	225	9·9	235	6·9	230	6·6	230	6·8	235	6·8	235	6·6	235	4·5
11	260	(4·3)	230	(5·5)	220	5·4	220	7·9	220	8·0	220	8·5	225	8·6	265	7·6	315	6·9	290	6·8	290	6·6	285	5·5
12	55	1·1	55	1·4	100	1·8	155	4·9	185	4·8	180	6·7	185	7·6	180	9·6	175	10·0	170	11·6	160	13·3	165	12·9
13	205	(13·7)	220	(12·3)	225	14·1	220	17·1	220	17·0	230	17·2	240	14·8	235	10·1	225	9·5	200	(8·2)	230	9·3	230	11·3
14	205	7·9	215	10·0	220	12·6	210	12·5	210	13·0	210	13·9	205	14·4	205	15·1	200	15·6	205	16·2	200	17·4	200	16·8
15	240	7·6	240	9·3	245	10·2	240	9·8	245	9·2	245	10·2	230	7·3	235	8·6	230	9·8	220	9·6	210	9·1	205	8·9
16	210	15·2	205	14·6	205	12·6	200	13·7	195	13·6	195	14·7	195	14·9	195	15·8	195	16·3	200	16·7	210	17·3	210	16·9
17	275	9·8	275	7·1	275	4·2	240	2·5	230	4·4	220	4·5	195	5·1	190	5·4	190	(7·3)	185	(9·1)	185	(10·5)	185	(11·2)
18	200	13·4	200	13·0	205	13·6	205	14·7	205	12·3	205	13·9	205	14·0	205	11·1	205	11·0	200	11·5	195	11·1	195	12·5
19	190	11·0	185	11·6	185	10·8	185	10·7	190	10·6	190	10·4	190	10·2	185	10·3	180	10·7	175	10·4	180	9·5	180	9·7
20	(185)	(3·6)	(180)	(3·5)	(175)	(3·0)	(110)	(2·1)	(45)	(2·1)	(60)	(3·3)	(90)	(4·5)	((95)	(4·6)	(105)	(3·2)	---	(···)	---	···	195	1·4
21	(190)	(8·0)	(195)	(8·3)	(205)	(7·6)	(215)	(6·2)	(230)	(5·8)	(190)	(3·7)	(180)	(4·3)	(190)	(4·4)	(180)	(4·2)	(180)	(5·3)	185	4·9	170	5·2
22	---	···	---	···	---	···	---	···	155	1·3	---	···	45	2·3	---	···	---	···	---	···	---	···	170	3·0
23	(180)	(9·2)	(180)	(8·8)	(175)	(9·6)	(175)	(9·4)	(180)	(7·6)	(170)	(8·4)	(170)	(9·7)	(170)	(10·9)	(170)	(11·6)	(170)	(10·6)	170	(9·6)	170	8·7
24	165	7·7	155	8·0	165	8·5	170	8·8	165	9·7	175	10·0	175	9·3	175	9·2	175	(8·8)	185	(8·7)	185	8·2	190	7·7
25	15	(5·7)	15	(5·4)	15	(4·9)	20	(2·4)	40	(2·7)	55	(1·8)	35	(1·2)	60	(3·5)	85	(2·5)	---	···	75	2·5	90	4·5
26	135	5·4	135	6·5	145	6·4	150	7·1	150	6·9	150	6·7	150	6·8	150	6·7	155	6·0	160	5·8	160	6·3	155	6·4
7	145	5·4	145	5·5	145	5·1	145	5·6	150	5·3	150	5·4	150	4·4	150	5·0	170	3·4	160	4·5	160	4·6	160	5·0
28	150	5·0	145	5·8	145	5·5	145	5·6	150	5·5	155	4·8	145	5·0	150	5·2	150	5·8	165	5·7	165	4·5	175	6·0
29	210	5·6	205	5·2	210	5·0	215	5·0	200	4·2	200	4·5	190	5·3	185	4·4	190	4·4	195	4·5	190	5·1	190	4·7
30	55	1·5	55	1·2	55	1·7	---	···	---	···	55	1·3	---	···	---	···	---	···	(40)	(1·4)	(50)	(1·1)	35	(1·3)
31	---	···	55	1·0	50	1·5	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···
Mean.	---	7·1	---	7·3	---	7·4	---	7·7	---	7·8	---	8·0	---	7·9	---	7·9	---	7·8	---	7·7	---	7·8	---	8·0

414. Cahirciveen (Valentia Observatory): H_a = 17 metres + 13 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···
2	70	3·6	75	4·2	80	4·9	90	5·6	80	4·4	80	3·9	45	2·3	50	2·7	50	2·4	---	···	---	···	65	2·1
3	85	5·1	90	5·0	90	4·9	80	4·2	85	4·5	90	4·7	90	5·0	85	5·6	85	5·0	85	4·2	90	4·0	90	4·0
4	60	1·7	45	2·1	60	1·7	90	3·7	105	4·5	105	5·1	105	4·9	110	5·6	115	5·1	110	5·0	115	4·9	110	5·0
5	130	5·2	105	5·0	125	6·6	125	4·5	135	4·0	135	6·0	125	5·5	125	5·1	135	6·0	135	6·5	150	7·5	150	6·0
6	110	4·5	105	4·7	110	4·8	125	6·0	150	4·8	155	5·4	155	5·8	155	6·9	155	6·3	160	7·5	170	7·0	180	8·2
7	180	3·2	180	3·4	170	3·3	165	2·8	135	2·1	140	3·1	130	4·0	120	3·9	120	3·6	100	4·3	105	4·4	120	5·9
8	100	4·8	95	3·6	100	5·0	110	5·3	90	4·0	80	4·5	70	4·2	70	5·2	80	4·9	75	4·8	95	2·8	120	1·0
9	80	4·3	80	4·5	85	5·8	60	5·1	80	3·9	80	4·2	85	2·9	90	3·1	100	3·4	90	3·5	80	4·3	70	5·1
10	80	4·8	75	3·8	80	5·0	75	5·0	80	5·0	70	5·0	70	4·9	75	5·3	(85)	(5·8)	(80)	(6·0)	(80)	(5·6)	(60)	(5·5)
11	65	9·8	70	10·0	70	10·0	70	9·9	70	9·2	65	9·8	70	10·0	70	10·3	70	8·8	65	8·2	65	6·7	60	7·5
12	(80)	(5·0)	(65)	(3·2)	---	(···)	(70)	(2·4)	(70)	(4·0)	(80)	(3·5)	(120)	(3·0)	(50)	(4·3)	(85)	(2·6)	(75)	(4·5)	(60)	(6·0)	(60)	(6·2)
13	(75)	(2·5)	(90)	(2·2)	(70)	(1·5)	(60)	(2·1)	(60)	(1·7)	(65)	(2·0)	(30)	(1·1)	(50)	(1·7)	(75)	(1·6)	(70)	(2·1)	(60)	(5·5)	(65)	(6·7)
14	80	2·6	70	2·8	85	5·3	100	5·3	100	5·7	100	4·4	75	2·7	85	3·7	95	4·0	100	4·9	(60)	(5·0)	(70)	(6·6)
15	(80)	(2·4)	(95)	(2·1)	---	(···)	---	(···)	---	(···)	60	(1·0)	---	(···)	(40)	(1·0)	(55)	(1·3)	(55)	(1·2)	---	(···)	(85)	(2·7)
16	85	4·3	105	4·9	(105)	(5·9)	(115)	(5·5)	(120)	(2·8)	(75)	(1·2)	(70)	(2·4)	(90)	(2·3)	(105)	(2·2)	(95)	(2·2)	150	2·6	(160)	(2·8)
17	(90)	(5·0)	(90)	(4·9)	(90)	(5·1)	(90)	(4·8)	(90)	(4·5)	(85)	(4·1)	(90)	(4·3)	(85)	(5·5)	(85)	(5·0)	(100)	(5·1)	(105)	(5·5)	(110)	(4·5)
18	(100)	(3·0)	(100)	(3·5)	(110)	(4·4)	(95)	(4·5)	(100)	(5·1)	(90)	(2·9)	(100)	(3·8)	(100)	(3·8)	(85)	(2·3)	(80)	(2·4)	(95)	(4·3)	(95)	(3·6)
19	(360)	(1·0)	(20)	(1·1)	(50)	(1·1)	(50)	(1·5)	(55)	(3·6)	(35)	(1·4)	(70)	(4·3)	(75)	(3·3)	(70)	(1·8)	(45)	(1·2)	(180)	(1·3)	---	(···)
20	---	(···)	(160)	(1·0)	(70)	(2·1)	(355)	(2·3)	(55)	(4·5)	(80)	(3·2)	(90)	(3·0)	(90)	(3·5)	(90)	(3·7)	(90)	(4·0)	(90)	(1·3)	(95)	(1·0)
21	(100)	(3·0)	110	4·1	100	2·9	100	2·4	80	2·6	80	2·1	60	2·0	65	2·2	80	2·5	60	1·5	55	1·3	60	1·2
22	---	···	30	1·1	30	1·0	15	2·3	10	2·2	---	···	---	···	---	···	---	···	---	···	---	···	---	···
23	35	2·5	15	1·2	---	···	40	1·1	40	1·0	40	1·0	45	1·6	65	2·9	60	2·5	20	2·9	360	5·2	30	4·5
24	10	5·8	10	4·1	10	5·3	20	4·1	20	3·8	15	3·9	10	5·4	10	7·0	360	7·3	(10)	(7·3)	25	8·1	40	9·6
25	85	3·0	80	3·5	90	4·8	85	4·4	80	5·0	80	4·9	85	5·5	85	4·0	80	4·8	30	2·8	90	3·6	65	3·8
26	---	···	80	1·7	55	1·8	65	1·4	(60)	(1·0)	(85)	(2·4)	(65)	(3·9)	(75)	(4·7)	(60)	(6·0)	(70)	(5·0)	85	2·3	70	3·6
27	80	4·7	80	4·0	80	3·2	80	3·4	85	2·7	80	2·5	80	2·6	90	3·0	90	2·5	65	1·0	85	1·7	100	2·8
28	(60)	(1·3)	(80)	(2·2)	(80)	(2·9)	(70)	(2·2)	(50)	(1·9)	(65)	(1·9)	(60)	(4·3)	(70)	(4·5)	(75)	(4·1)	(55)	(3·5)	(60)	(5·0)	(55)	(8·6)
29	(90)	(2·8)	(55)	(6·8)	(55)	(7·9)	(60)	(6·8)	(45)	(5·7)	(55)	(5·8)	(50)	(5·6)	(50)	(5·5)	(60)	(6·5)	(55)	(7·1)	(55)	(7·1)	(60)	(8·1)
Mean.	---	3·4	---	3·5	---	3·8	---	3·8	---	3·6	---	3·5	---	3·7	---	4·1	---	3·9	---	3·8	---	4·0	---	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	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

January, 1932.

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	8·9	230	9·0	230	8·9	230	8·5	225	8·9	230	9·5	225	9·2	225	9·2	225	9·5	230	9·5	230	9·4	225	10·8	8·7	1
225	12·0	225	11·0	225	11·1	225	12·0	225	11·8	220	11·0	225	12·4	225	12·9	225	13·0	215	12·4	225	12·8	220	12·2	11·5	2
210	12·4	210	11·8	210	11·6	205	10·9	205	10·5	205	10·0	205	10·0	205	10·0	205	10·1	205	10·2	205	10·8	200	10·8	11·5	3
190	16·1	235	10·7	220	8·5	235	10·9	245	9·5	250	10·6	240	8·5	240	8·3	235	8·5	230	9·0	225	9·9	215	9·6	11·2	4
(205)	(13·8)	210	12·6	(210)	(11·7)	(225)	(10·6)	(245)	(6·3)	225	4·2	210	3·9	230	4·1	215	3·5	225	4·0	215	4·1	210	3·6	10·0	5
225	6·7	330	11·2	355	11·3	10	5·8	350	4·7	330	5·2	325	8·3	315	7·3	310	6·5	310	5·4	290	5·8	285	5·3	7·0	6
---	(···)	265	2·5	290	2·5	320	(4·8)	330	5·9	10	3·2	---	···	140	1·5	---	···	50	1·2	50	1·4	40	1·9	3·2	7
80	1·2	160	(2·1)	195	(3·2)	195	3·9	225	(4·8)	180	4·4	170	5·3	175	5·0	180	3·9	175	5·4	180	5·0	190	6·4	2·9	8
210	13·0	220	11·3	210	10·7	(205)	(11·2)	(210)	(9·0)	(205)	(8·1)	(200)	(8·3)	(200)	(7·9)	(195)	(8·1)	190	8·7	195	9·0	200	10·2	11·0	9
255	4·1	280	3·5	285	3·0	260	2·6	280	2·3	225	3·1	280	1·6	55	1·0	80	1·1	175	2·9	225	(3·2)	250	(5·0)	5·6	10
280	6·1	290	4·9	300	4·8	325	3·0	50	2·0	290	3·1	245	3·3	240	3·0	280	2·8	210	2·3	170	1·6	100	1·6	5·1	11
160	11·7	160	12·3	170	12·9	175	12·1	175	10·4	190	10·4	190	10·9	190	10·6	190	10·5	190	10·3	190	12·2	210	12·5	9·0	12
230	13·0	235	15·3	260	15·8	265	14·9	270	15·4	270	14·3	255	11·3	260	8·8	240	9·1	240	9·7	230	9·1	220	9·4	12·6	13
200	17·3	200	16·5	200	17·5	210	13·0	200	12·0	195	11·5	235	8·8	270	10·2	255	(8·6)	245	(9·5)	250	9·8	245	9·4	12·9	14
195	9·9	195	12·7	205	14·8	205	16·3	205	15·8	205	16·3	205	14·9	210	14·7	210	15·2	210	15·8	210	14·7	210	14·0	11·8	15
220	14·9	230	11·4	230	7·6	215	6·1	205	5·5	185	7·5	215	(10·0)	240	(10·3)	240	(12·9)	235	12·8	250	13·8	265	14·6	12·9	16
195	(11·4)	190	(10·8)	190	(11·1)	195	(10·9)	200	(12·7)	205	12·8	205	12·8	200	11·9	195	12·5	200	13·2	200	13·9	200	14·2	9·6	17
195	11·5	190	12·7	195	12·4	190	12·2	200	11·1	200	11·0	200	10·8	200	11·1	195	10·9	195	11·1	190	11·6	190	12·0	12·1	18
185	9·9	180	9·8	180	9·9	185	10·0	185	9·3	195	8·5	195	7·7	195	7·3	(235)	(4·4)	(260)	(1·0)	---	(···)	(165)	(1·1)	8·8	19
190	4·4	180	4·0	185	2·1	---	···	190	6·1	190	7·1	(185)	(7·0)	(180)	(7·0)	(175)	(7·2)	(185)	(8·1)	(190)	(8·5)	(190)	(7·8)	4·1	20
185	5·9	195	5·1	195	3·9	170	4·6	180	4·7	175	4·0	170	4·5	175	4·0	270	3·9	230	2·3	---	···	---	···	4·8	21
180	4·0	(180)	(5·6)	(175)	(6·6)	(175)	(6·2)	(175)	(7·0)	(180)	(6·9)	180	7·9	175	9·4	(175)	(9·2)	(180)	(8·1)	(175)	(8·6)	(180)	(9·0)	4·0	22
170	8·0	170	8·6	165	8·9	160	7·3	165	7·8	175	6·0	175	6·0	165	7·1	175	6·9	170	6·7	165	7·7	170	7·0	8·5	23
(200)	(6·8)	(210)	(2·7)	(200)	(1·3)	(210)	(1·0)	(205)	(1·2)	(250)	(1·9)	(335)	(5·3)	(360)	(6·4)	(10)	(6·5)	(15)	(5·6)	(5)	(5·8)	(10)	(4·3)	6·4	24
90	4·2	100	2·5	95	1·5	95	1·2	110	3·2	105	4·8	100	4·5	105	4·9	100	5·6	95	6·2	90	6·2	105	6·3	3·7	25
160	6·2	160	5·7	160	6·0	155	5·9	150	5·5	155	6·7	150	6·5	150	6·0	145	5·5	150	5·0	150	5·4	150	5·0	6·1	26
150	5·6	160	5·9	160	6·0	160	4·5	150	4·6	150	4·5	150	4·4	140	3·9	150	4·6	150	5·0	145	4·8	150	4·7	4·9	27
185	5·2	180	5·5	195	5·5	180	4·9	185	5·6	185	5·2	190	5·4	190	5·6	195	6·0	205	5·3	220	5·8	190	4·3	5·3	28
210	4·9	225	3·7	210	3·2	190	2·4	175	2·6	160	3·1	165	3·2	160	2·4	55	1·3	55	1·5	55	1·5	55	1·8	3·8	29
170	(1·0)	155	(2·7)	160	(2·6)	180	(1·3)	---	(···)	---	(···)	130	(1·3)	40	(1·9)	50	(1·6)	45	(1·7)	45	(1·5)	35	(1·4)	1·3	30
---	···	---	···	---	···	---	···	---	···	60	1·0	---	···	---	···	---	···	---	···	---	···	---	···	0·6	31
---	8·1	---	7·9	---	7·7	---	7·1	---	7·0	---	7·0	---	6·9	---	6·9	---	6·8	---	6·8	---	6·9	---	7·0	7·4	

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12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
---	···	---	···	---	···	---	···	---	···	65	1·0	85	2·5	90	2·9	40	1·2	60	2·2	85	4·2	80	4·9	1·1	1
50	3·8	50	4·0	60	3·5	60	2·7	80	3·5	90	2·7	100	3·0	100	4·0	85	3·4	60	3·0	85	3·6	90	5·2	3·3	2
105	3·4	110	2·2	230	1·8	235	1·0	---	···	220	1·7	185	2·2	---	···	60	1·0	---	···	90	1·5	120	1·0	3·1	3
105	3·0	110	3·5	130	3·5	110	3·5	115	4·5	110	5·0	100	5·5	105	5·4	110	5·0	130	5·2	145	5·4	135	5·3	4·2	4
155	6·5	160	7·2	165	6·4	165	5·9	160	4·2	150	5·1	145	5·9	125	3·7	105	3·1	100	3·3	105	3·7	95	4·0	5·3	5
180	8·6	180	9·0	180	9·0	180	9·4	180	9·3	190	9·3	190	8·5	195	8·1	180	7·3	180	7·3	180	7·4	190	4·7	7·1	6
115	7·7	120	8·0	130	8·2	120	7·9	110	7·2	85	4·9	70	5·0	60	3·4	85	3·9	85	4·6	75	4·0	110	5·8	4·8	7
110	2·8	105	3·8	105	3·5	145	2·4	150	1·9	110	1·1	---	···	90	1·7	80	4·3	90	5·1	80	4·8	85	5·0	3·6	8
60	6·0	70	6·9	70	6·5	80	4·7	90	5·0	95	5·2	100	4·7	95	4·6	100	4·8	85	4·5	90	4·7	90	4·9	4·7	9
(65)	(7·5)	(75)	(8·6)	(80)	(8·2)	(120)	(8·4)	(90)	(7·6)	100	7·6	(95)	(9·1)	(90)	(8·4)	(75)	(8·3)	(70)	(8·5)	70	9·8	70	9·5	6·7	10
65	8·1	70	8·9	70	9·5	60	9·5	60	7·2	65	5·5	75	4·8	70	5·7	60	6·1	(70)	(5·1)	(70)	(4·1)	(70)	(5·0)	8·0	11
(60)	(6·5)	(60)	(6·4)	(55)	(6·8)	65	7·5	60	6·7	(60)	(3·6)	(65)	(2·7)	(85)	(2·3)	(90)	(3·4)	(80)	(1·9)	(55)	(2·3)	(75)	(2·8)	4·1	12
(50)	(5·8)	50	5·6	35	4·0	40	6·3	50	7·1	50	6·0	50	6·9	70	5·2	60	5·0	50	6·5	65	2·9	70	2·6	3·9	13
(60)	(7·5)	(55)	(8·0)	(50)	(7·5)	60	7·3	60	6·4	80	5·2	(85)	(5·2)	(90)	(4·9)	(60)	(2·4)	(50)	3·1	(60)	(2·8)	(70)	(2·7)	4·8	14
(100)	(2·8)	70	2·2	135	2·2	190	1·5	---	···	140	1·1	105	1·0	---	···	55	1·0	50	2·0	80	3·7	85	4·5	1·5	15
(160)	(3·2)	(155)	(3·4)	(135)	(2·2)	(100)	(1·9)	(135)	(3·0)	(130)	(2·6)	(130)	(2·8)	(85)	(2·3)	(100)	(4·7)	(95)	(5·0)	(95)	(4·8)	(90)	(5·0)	3·3	16
(120)	(4·1)	(125)	(4·0)	(115)	(4·5)	(140)	(4·5)	(120)	(3·6)	(105)	(4·1)	(100)	(4·8)	(110)	(5·8)	(105)	(4·6)	(110)	(5·0)	(105)	(4·9)	(95)	(3·6)	4·7	17
(80)	(3·8)	(90)	(4·5)	(95)	(4·6)	(105)	(4·7)	(105)	(4·7)	(110)	(4·6)	(95)	(3·6)	(110)	(5·3)	(100)	(5·7)	(85)	(2·2)	(340)	(1·0)	(360)	(1·1)	3·8	18
(285)	(2·1)	(320)	(2·3)	(30)	(2·7)	(70)	(3·6)	(65)	(4·3)	(80)	(4·6)	(85)	(4·4)	(65)	(1·4)	(65)	(2·0)	(95)	(3·1)	(165)	(1·0)	---	(···)	2·3	19
(110)	(1·3)	(115)	(1·4)	---	(···)	(75)	(3·6)	(85)	(4·0)	(90)	(2·8)	(100)	(1·2)	(100)	(1·8)	---	(···)	---	(···)	(110)	(1·0)	---	(···)	2·1	20
85	1·3	120	1·4	---	···	50	3·7	45	4·3	50	3·0	70	1·5	60	2·2	---	···	---	···	---	···	---	···	2·0	21
35	4·8	20	4·0	5	3·6	360	4·0	355	4·1	5	4·4	20	3·1	25	2·9	40	1·5	40	1·5	55	1·5	60	3·0	2·0	22
40	4·9	35	4·5	25	4·4	15	4·9	10	5·6	15	4·6	10	4·8	20	4·8	15	4·6	10	5·5	15	4·9	5	5·0	3·5	23
45	10·1	45	8·5	35	6·6	40	7·2	45	8·3	40	6·7	55	7·5	45	8·6	40	6·1	55	3·7	60	3·1	210	2·1	6·3	24
65	2·7	65	4·0	70	5·0	100	4·6	90	4·6	110	3·7	95	4·7	100	4·1	110	3·9	95	3·3	100	3·3	80	2·0	4·0	25
70	4·6	65	3·9	65	4·5	60	4·6	65	5·1	80	3·7	80	5·4	90	5·7	80	4·5	80	5·0	80	4·7	85	5·0	3·7	26
95	2·9	75	3·6	55	3·1	60	3·4	60	3·5	(50)	(4·8)	(45)	(5·0)	(60)	(3·9)	(85)	(1·8)	(85)	(2·5)	(95)	(2·6)	(60)	(1·0)	3·1	27
(60)	(8·9)	(60)	(9·0)	(65)	(8·0)	(70)	(6·6)	(65)	(5·2)	(65)	(5·1)	(50)	(5·8)	(50)	(7·5)	(70)	(10·2)	(90)	(6·4)	(50)	(6·9)	(60)	(4·2)	5·2	28
(55)	(8·4)	(60)	(8·1)	70	7·0	65	8·3	70	8·2	65	8·0	65	7·8	60	6·4	70	5·4	75	8·0	75	4·6	70	5·4	6·7	29
---	5·0	---	5·1	---	4·8	---	5·0	---	4·8	---	4·4	---	4·5	---	4·3	---	4·0	---	4·0	---	3·8	---	3·7	4·1	

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

415. Cahirciveen (Valentia Observatory):

H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	80	5·3	85	7·1	100	5·8	100	5·5	85	5·2	75	3·9	45	3·4	70	4·7	70	5·6	60	5·5	65	5·1	80	7·9
2	95	4·1	90	4·8	90	5·3	80	7·0	100	3·0	25	2·2	50	2·9	75	6·5	80	7·3	85	7·5	85	7·2	80	7·5
3	60	8·0	70	6·7	65	5·0	65	7·3	70	6·5	50	5·1	55	7·2	40	8·0	50	8·8	50	8·4	50	10·3	50	9·8
4	40	4·1	65	2·7	35	1·7	25	2·1	60	4·7	60	4·2	100	2·1	5	1·0	---	···	---	···	45	1·4	20	3·2
5	225	3·8	230	3·8	225	3·2	220	4·3	230	4·5	230	5·4	235	6·2	240	6·1	245	6·6	270	5·5	290	6·8	280	7·6
6	305	7·4	300	7·7	300	7·6	295	7·5	315	7·1	310	7·0	295	6·8	315	7·2	310	6·7	300	7·0	295	6·9	290	8·1
7	305	5·0	300	5·5	295	4·7	300	4·3	290	3·6	275	4·5	265	5·2	265	5·6	270	6·1	270	6·0	260	7·3	260	9·1
8	260	7·9	255	6·2	255	7·2	245	6·5	225	5·1	230	5·9	245	7·6	230	7·0	230	7·9	230	8·4	230	8·0	235	6·7
9	80	5·1	80	6·1	90	6·5	80	5·5	65	4·4	70	5·5	70	5·6	75	5·5	75	4·8	65	3·2	55	3·2	60	4·4
10	---	···	---	···	---	···	70	1·1	65	2·0	60	2·4	70	2·2	70	2·3	50	1·6	---	···	65	3·8	50	5·9
11	65	1·6	60	2·4	65	2·4	70	3·9	80	4·0	70	3·6	70	2·8	75	3·2	70	2·9	70	7·4	70	7·6	65	7·5
12	90	4·3	85	3·9	95	4·4	95	4·6	85	5·7	90	6·0	90	6·0	90	5·4	85	4·1	90	3·9	90	6·3	95	5·9
13	85	3·3	95	5·4	40	3·4	95	3·1	105	8·0	100	6·1	90	6·6	105	6·8	115	10·5	115	9·0	120	10·8	105	9·0
14	95	8·0	100	8·0	100	7·3	90	6·4	85	3·0	85	4·2	85	7·8	85	8·5	85	3·5	85	4·6	90	5·3	95	9·4
15	100	7·5	105	8·6	90	7·5	90	6·7	105	4·1	110	8·0	90	6·8	90	4·1	75	2·6	85	4·2	120	3·0	115	6·6
16	95	4·9	95	5·7	75	3·4	75	3·1	85	2·0	95	1·4	---	···	70	1·3	35	1·0	60	1·7	---	···	275	1·5
17	---	···	---	···	55	1·6	65	1·1	---	···	115	1·7	---	···	50	2·0	60	2·4	---	···	---	···	---	···
18	60	1·5	60	1·5	55	1·0	---	···	70	1·0	---	···	---	···	55	1·0	---	···	---	···	165	2·9	170	4·7
19	145	2·3	155	2·3	160	3·0	155	3·1	150	3·5	140	4·0	145	3·9	155	5·0	155	4·3	145	4·0	165	4·2	155	5·7
20	170	6·1	180	4·5	180	4·5	165	5·1	160	5·2	170	4·5	170	5·5	170	4·8	170	5·0	175	6·3	175	7·9	190	7·8
21	165	8·2	200	4·8	220	3·5	250	4·4	270	4·7	275	4·9	280	3·8	275	3·2	280	3·3	275	1·8	275	1·4	270	1·8
22	290	5·6	345	1·8	340	1·2	310	1·6	320	5·1	325	4·4	315	4·6	315	4·6	310	3·5	285	3·6	295	4·5	310	5·4
23	260	1·0	190	2·4	140	1·6	185	2·6	185	3·0	185	3·1	175	3·4	165	2·5	175	3·1	170	3·7	180	4·6	175	5·3
24	160	6·2	195	4·4	180	4·8	180	4·7	180	5·5	180	4·3	195	3·2	210	3·5	195	4·2	180	6·7	180	8·7	180	9·4
25	170	13·0	170	13·6	165	13·1	160	12·4	165	11·2	160	12·2	165	12·1	160	11·7	155	12·6	150	12·8	150	12·9	155	12·5
26	150	1·4	---	···	160	2·5	120	1·0	160	2·5	160	2·7	180	4·9	210	2·9	215	3·5	260	4·9	265	5·4	260	5·2
27	160	16·5	180	12·7	195	9·1	195	8·4	205	10·0	210	9·8	210	9·1	210	10·2	210	9·3	210	10·1	215	7·5	200	5·6
28	200	6·5	195	6·1	210	6·0	225	5·9	220	5·4	210	4·4	200	5·6	210	5·6	230	4·8	250	3·7	185	4·0	215	6·7
29	235	7·2	230	6·3	205	6·2	205	7·4	185	7·7	210	10·0	230	11·1	225	11·0	230	12·0	240	9·6	220	10·5	225	10·7
30	---	···	---	···	185	3·0	185	3·6	170	5·0	195	3·2	200	1·6	180	3·4	195	3·3	180	3·0	220	2·8	230	4·5
31	---	···	---	···	45	3·7	45	4·9	60	4·4	40	3·9	45	6·7	40	8·9	35	9·0	35	9·2	35	7·7	30	7·8
Mean.	---	5·1	---	4·8	---	4·5	---	4·7	---	4·7	---	4·8	---	5·0	---	5·3	---	5·2	---	5·3	---	5·8	---	6·6

416. Cahirciveen (Valentia Observatory): H_a = 17 metres + 13 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	25	2·8	5	3·6	5	3·2	360	1·7	320	1·5	320	3·4	300	1·5	275	3·1	265	5·6	260	7·0	260	8·2	260	8·3
2	310	7·1	310	6·0	290	5·6	280	5·9	285	4·5	300	2·5	320	1·7	355	2·2	25	3·9	70	4·7	30	3·8	35	4·3
3	325	7·5	355	5·7	360	8·3	5	7·8	5	2·7	5	4·2	30	7·8	25	10·4	20	10·8	20	7·9	30	5·5	355	9·1
4	35	7·6	30	7·5	30	9·2	30	10·2	30	9·0	35	8·3	35	9·2	40	8·0	45	7·5	50	7·6	45	7·9	35	8·5
5	15	6·4	15	5·1	10	4·8	5	3·4	25	2·8	55	1·0	---	···	---	···	340	2·1	320	4·2	330	4·0	31.	4·3
6	280	3·6	280	5·2	275	6·6	265	7·2	265	8·1	270	8·4	280	5·6	280	6·0	280	7·0	270	8·9	265	10·0	265	10·1
7	290	10·9	295	11·0	295	11·5	305	9·6	300	10·9	305	10·4	295	10·5	305	9·6	305	9·4	300	10·0	305	10·3	295	11·3
8	320	8·8	320	8·6	320	8·6	315	7·6	315	8·5	335	6·8	325	4·6	315	4·1	300	5·2	280	5·1	280	4·6	280	4·8
9	235	7·5	230	6·2	235	6·6	235	5·9	230	5·7	235	6·2	240	6·7	235	6·7	235	9·4	235	9·1	230	10·8	230	11·7
10	270	13·0	260	13·5	255	13·6	255	12·9	265	13·2	270	12·6	270	11·9	270	12·0	270	10·9	270	11·8	270	11·7	280	7·6
11	310	(9·6)	320	(10·6)	335	10·7	350	14·5	360	10·8	360	13·5	350	12·4	350	11·0	340	11·2	5	10·3	350	5·3	310	6·9
12	350	6·0	355	6·3	360	5·9	355	4·5	360	5·2	345	5·3	360	5·4	340	5·0	340	5·8	355	5·8	345	6·7	330	5·6
13	210	5·0	220	5·2	200	6·0	195	5·6	205	6·5	205	7·0	200	7·4	195	8·1	200	9·8	200	9·7	190	11·5	195	11·1
14	270	8·5	265	8·3	275	9·5	270	8·3	270	6·6	275	6·1	265	5·1	295	6·6	275	6·1	265	6·3	275	6·4	270	7·0
15	355	1·4	50	1·0	---	···	---	···	---	···	---	···	---	···	60	1·0	---	···	---	···	170	3·8	180	4·1
16	65	2·7	80	4·2	70	5·5	60	5·1	65	5·5	60	5·5	65	4·7	65	6·0	60	5·6	50	6·5	45	5·6	45	7·3
17	25	9·8	30	8·7	30	8·7	40	9·9	40	8·7	50	7·6	40	6·0	50	6·9	50	8·4	45	8·5	65	5·4	45	9·0
18	75	3·1	75	3·0	65	3·2	85	3·2	70	3·2	50	1·7	75	2·1	---	···	50	2·8	65	4·0	50	6·3	45	6·0
19	---	···	---	···	---	···	65	1·5	60	1·3	---	···	---	···	---	···	270	2·9	265	4·8	275	6·1	265	6·2
20	290	6·5	295	6·2	300	6·8	305	6·6	300	7·1	305	6·8	310	5·4	310	6·1	295	5·8	300	6·9	295	6·1	300	7·0
21	330	2·9	330	3·0	350	5·1	345	4·8	340	4·5	325	4·7	330	4·1	325	5·9	340	6·5	5	4·5	15	5·8	340	5·2
22	350	4·8	350	5·1	10	3·3	360	3·4	350	4·2	325	3·6	335	4·4	330	2·0	305	3·4	280	4·0	275	4·9	275	5·7
23	355	7·7	355	6·7	355	7·1	355	6·8	355	6·7	340	5·9	325	5·1	335	4·6	330	6·3	330	7·2	330	5·5	330	7·1
24	35	2·8	---	···	---	···	---	···	---	···	60	1·2	60	1·0	---	···	---	···	250	1·5	275	2·9	285	4·0
25	55	1·1	55	1·0	60	1·2	60	1·6	60	1·6	---	···	55	1·2	90	1·1	175	2·8	180	3·8	185	5·7	200	6·3
26	50	1·0	45	1·0	---	···	---	···	65	1·0	100	1·0	---	···	---	···	---	···	---	···	280	1·1	275	2·3
27	140	3·5	125	2·3	110	4·0	105	4·4	105	6·1	95	5·5	95	1·9	95	7·1	95	7·7	95	5·5	150	5·1	170	6·2
28	175	4·0	170	4·2	180	1·4	195	4·0	180	2·7	180	3·1	140	1·4	160	2·0	185	3·2	200	3·2	180	5·2	180	4·8
29	85	2·7	55	1·0	45	1·4	---	···	25	1·2	90	2·4	115	2·1	75	3·9	80	5·1	85	4·9	80	4·1	55	4·9
30	60	3·5	65	4·7	65	5·8	55	4·7	55	6·2	60	5·1	45	4·8	55	4·2	60	6·0	55	6·0	50	6·9	55	5·9
Mean.	---	5·4	---	5·2	---	5·6	---	5·4	---	5·2	---	5·0	---	4·5	---	4·9	---	5·7	---	6·0	---	6·2	---	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	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

March, 1932.

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
90	6·4	90	8·1	85	8·5	80	7·8	75	6·0	80	6·4	80	5·1	80	7·2	70	5·4	75	4·0	80	1·9	90	4·0	5·7	1
90	5·2	60	4·8	60	6·1	60	6·9	60	6·5	65	6·3	65	6·6	65	7·5	60	7·1	60	7·7	65	7·1	65	6·4	5·9	2
45	10·2	45	9·9	50	9·9	40	7·9	30	8·0	35	8·3	35	7·8	40	8·0	55	4·1	65	4·0	70	2·4	55	2·9	7·3	3
350	4·6	335	5·3	320	4·9	315	4·0	315	3·8	320	4·2	320	2·6	290	1·8	225	1·5	235	2·4	220	2·5	195	3·4	2·9	4
275	7·5	275	8·4	275	8·4	280	8·6	285	9·5	300	9·9	320	10·8	325	7·1	310	7·4	315	8·0	310	5·9	310	6·1	6·7	5
300	6·5	300	7·9	305	8·2	305	8·0	310	8·4	320	8·1	315	7·9	325	6·4	310	6·7	340	5·9	320	4·7	315	4·5	7·1	6
255	9·6	260	9·9	260	9·1	260	9·2	265	8·6	265	7·9	260	7·4	265	7·4	265	7·5	265	7·9	260	6·0	265	7·0	6·8	7
250	7·6	260	6·8	275	3·1	275	2·6	275	(2·2)	---	•••	---	•••	---	•••	75	3·5	80	5·8	80	3·9	85	2·6	5·3	8
55	4·5	60	4·9	55	5·1	55	4·5	50	5·7	50	5·0	75	3·4	75	2·9	90	3·7	80	3·5	85	4·1	115	1·2	4·5	9
45	5·1	25	5·1	45	4·5	40	4·7	35	5·3	50	5·5	60	3·4	55	2·6	55	1·7	60	1·5	---	•••	---	•••	2·7	10
55	7·3	65	6·2	70	5·8	70	5·3	70	5·5	80	4·5	85	4·5	75	1·5	70	1·5	65	1·8	95	3·9	90	3·9	4·1	11
120	5·6	110	7·1	90	6·0	130	7·4	120	6·0	110	7·3	105	7·1	100	8·5	90	5·8	90	5·2	100	6·8	85	3·9	5·7	12
105	8·0	110	8·0	115	10·2	115	10·1	115	9·9	105	8·4	95	7·5	95	9·8	90	7·6	80	7·6	85	9·6	85	9·0	7·7	13
95	9·3	105	9·5	110	8·6	100	7·8	85	4·2	90	4·1	105	6·9	95	8·0	90	4·9	85	4·4	110	4·9	115	5·2	6·5	14
120	6·5	100	5·0	100	5·3	110	6·0	110	6·3	105	5·4	90	3·1	110	5·1	90	4·1	85	3·8	80	4·4	80	4·3	5·4	15
270	2·5	270	3·5	270	3·8	270	3·7	325	3·3	310	1·5	---	•••	---	•••	---	•••	---	•••	55	1·2	90	1·0	2·1	16
265	2·7	300	3·4	330	3·5	305	3·0	280	3·5	230	3·1	215	2·9	170	2·5	65	1·0	60	1·6	60	1·6	55	2·4	1·8	17
180	3·9	210	4·0	225	4·6	215	3·9	185	3·0	215	3·5	200	2·0	145	2·5	155	1·5	155	1·0	---	•••	145	1·8	2·0	18
175	5·6	175	5·9	175	6·0	175	6·0	170	6·2	165	5·0	155	5·5	160	5·1	160	5·2	165	4·9	170	4·9	160	5·8	4·6	19
190	7·8	190	6·8	190	6·2	190	6·4	190	5·5	190	5·0	190	4·2	200	4·2	210	5·2	180	4·8	165	7·0	165	8·4	5·7	20
275	3·3	275	4·0	270	3·9	280	2·0	270	2·4	255	4·5	260	5·4	265	5·1	225	3·2	215	3·9	225	4·7	230	3·9	3·9	21
295	6·1	300	5·7	290	4·8	280	4·4	285	4·8	290	5·4	290	4·2	290	3·6	285	3·4	280	2·4	275	2·4	270	1·3	4·0	22
175	6·1	175	6·4	175	6·3	165	6·1	155	5·6	140	5·9	140	5·0	140	5·0	150	7·1	150	8·0	165	6·9	165	6·6	4·5	23
180	8·8	175	9·8	175	11·0	170	11·7	175	11·2	165	11·1	170	11·8	165	11·9	165	12·1	165	12·0	165	13·4	165	13·0	8·3	24
160	11·1	180	9·0	175	7·2	180	5·2	185	5·1	180	4·3	170	6·0	165	4·5	165	4·0	160	3·5	75	1·1	155	3·1	9·1	25
265	5·5	265	5·0	240	5·4	215	5·1	180	6·6	175	6·6	170	6·7	160	9·2	155	13·1	160	13·6	165	16·1	150	16·6	5·8	26
175	6·9	205	9·5	225	10·3	220	9·5	205	9·1	205	8·0	200	7·0	190	7·9	195	8·5	190	5·5	195	6·0	190	6·7	9·1	27
220	8·0	230	7·9	230	6·8	235	6·1	270	6·2	285	5·5	275	3·4	270	8·4	265	8·0	265	8·4	255	8·6	255	8·3	6·2	28
220	10·6	215	10·1	220	10·1	220	10·2	215	9·4	230	8·0	240	5·2	220	4·0	200	3·2	235	3·7	205	1·4	125	1·9	7·9	29
240	5·0	225	4·9	235	5·0	265	5·2	265	5·0	240	4·4	220	3·6	200	2·4	190	2·0	115	1·0	---	•••	---	•••	3·1	30
25	7·4	15	7·8	15	7·5	20	9·5	15	8·0	20	7·4	15	8·6	30	9·0	15	7·4	30	6·5	30	5·7	25	3·3	6·4	31
---	6·6	---	6·8	---	6·6	---	6·4	---	6·2	---	5·8	---	5·4	---	5·5	---	5·1	---	5·0	---	4·9	---	4·8	5·4	

April, 1932.

°	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	9·6	270	9·6	285	9·5	300	9·9	310	9·5	310	9·1	320	10·8	325	10·9	320	9·8	320	10·5	320	9·9	310	7·5	6·9	1
355	4·2	355	7·3	350	5·9	360	8·4	355	9·5	20	7·7	360	8·2	350	8·6	345	6·8	350	9·3	350	7·6	350	8·9	6·0	2
350	6·9	25	7·5	15	8·7	15	9·7	10	11·0	15	10·6	15	10·0	10	10·2	15	18·9	25	10·0	25	9·9	30	8·2	8·3	3
20	9·2	20	9·2	5	7·9	10	7·7	20	7·8	15	7·5	25	7·0	20	8·2	20	7·7	15	7·6	10	7·5	10	7·4	8·1	4
340	6·8	340	8·0	340	7·7	340	8·4	325	7·0	325	6·3	325	5·7	310	4·8	310	4·4	300	4·8	295	4·5	295	4·6	4·7	5
260	10·1	260	10·4	260	12·2	255	13·0	255	14·5	260	13·2	270	12·0	275	8·6	275	9·8	285	7·7	280	10·8	285	10·5	9·0	6
295	12·0	300	10·8	300	11·0	305	10·4	305	10·1	300	10·8	305	10·4	315	10·4	315	9·8	315	9·1	315	10·0	315	8·0	10·4	7
275	4·6	270	4·3	270	3·7	240	5·3	225	5·4	205	6·1	190	5·4	180	6·6	180	8·0	180	8·4	190	8·0	230	8·4	6·3	8
230	13·0	225	14·1	230	14·4	230	14·1	230	12·9	240	11·9	230	10·0	235	10·0	240	12·0	245	11·9	260	11·6	265	13·1	10·0	9
300	6·5	340	8·4	335	10·8	340	10·9	340	10·9	340	9·9	335	7·8	325	(6·8)	310	(7·6)	310	(10·1)	325	(9·9)	330	(11·9)	10·7	10
310	9·6	310	9·9	305	10·2	305	8·5	340	10·1	345	8·8	350	10·5	355	9·5	350	8·6	350	8·3	350	8·4	350	7·4	10·0	11
325	4·9	300	4·0	270	3·0	275	3·6	275	3·4	270	3·1	260	4·3	225	3·4	200	3·5	210	4·2	200	4·0	205	4·9	4·8	12
190	11·9	190	12·3	190	12·8	190	14·0	190	13·9	200	13·8	215	9·7	245	9·8	260	10·1	270	8·8	270	8·9	270	7·8	9·4	13
305	5·0	290	5·2	285	6·1	285	6·6	285	4·7	275	3·8	290	4·8	295	5·4	300	5·7	295	5·2	305	3·8	320	3·5	6·1	14
130	4·6	120	4·9	100	4·0	120	4·8	100	2·5	75	3·0	25	1·4	85	2·4	80	4·3	70	2·8	80	2·3	55	3·6	2·3	15
50	8·2	50	7·3	35	6·8	30	7·9	25	6·2	25	7·9	25	8·3	20	6·6	20	6·8	30	7·7	30	9·5	25	8·3	6·4	16
30	10·5	35	8·4	55	8·0	60	8·2	45	6·4	40	5·0	35	3·8	35	4·8	70	2·5	70	2·8	65	2·7	65	2·9	6·9	17
55	4·5	20	5·2	350	6·2	350	5·4	360	5·1	350	6·4	355	7·4	355	5·3	10	2·1	---	•••	---	•••	---	•••	3·7	18
265	7·5	265	7·8	265	6·2	265	7·5	270	8·0	260	8·1	265	8·5	265	8·6	270	8·2	265	7·3	275	7·5	290	6·6	4·8	19
285	8·0	280	8·5	285	8·4	290	8·3	305	8·0	295	7·3	295	7·2	295	7·3	290	7·1	280	6·9	285	4·9	325	4·1	6·9	20
335	6·3	340	8·4	335	9·1	340	9·2	345	9·5	345	7·8	345	8·2	345	8·9	360	6·4	5	3·9	10	3·4	360	4·0	5·9	21
275	5·7	265	6·5	240	7·5	250	7·0	245	6·4	245	7·2	255	7·6	265	6·4	290	5·1	340	6·1	350	7·3	345	7·6	5·3	22
340	7·0	330	6·6	335	6·4	335	7·3	340	8·2	345	7·9	360	4·0	340	5·4	5	4·1	10	2·4	15	2·4	25	2·5	6·0	23
275	2·8	280	4·2	280	4·6	280	4·2	275	3·5	275	2·9	270	3·0	265	1·6	---	•••	---	•••	---	•••	---	•••	1·9	24
200	6·0	185	6·1	205	7·7	195	7·0	190	6·7	195	6·8	210	4·3	240	1·0	240	1·2	---	•••	---	•••	---	•••	3·2	25
275	2·5	285	2·9	280	4·0	285	3·8	310	2·9	330	3·6	320	3·1	290	1·1	---	•••	---	•••	---	•••	---	•••	1·5	26
170	7·1	165	6·9	165	6·2	160	6·5	160	6·6	180	6·8	175	7·4	200	4·5	210	3·0	220	2·7	205	2·3	180	3·0	5·0	27
180	5·2	185	5·7	185	5·7	190	5·9	190	5·2	190	4·7	185	4·1	150	3·0	85	2·5	80	3·5	90	3·8	90	2·7	3·9	28
40	5·2	55	5·0	65	5·1	5	7·7	80	3·6	20	6·1	10	5·5	65	5·5	40	4·4	55	4·6	55	4·5	65	5·2	4·0	29
55	6·2	65	3·5	80	4·4	85	5·1	90	4·8	100	4·3	90	4·2	95	4·5	100	4·6	95	3·4	90	4·7	85	5·0	4·9	30
---	7·1	---	7·3	---	7·5	---	7·9	---	7·5	---	7·3	---	6·8	---	6·3	---	5·9	---	5·7	---	5·7	---	5·7	6·1	-
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.

417. Cahirciveen (Valentia Observatory):

H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	4·7	90	5·0	95	3·8	95	5·0	90	5·5	90	4·6	85	3·9	85	4·9	105	5·9	105	6·5	120	5·7	140	5·8
2	40	2·0	95	3·6	100	3·6	150	1·1	95	1·0	70	1·3	---	...	---	...	---	...	320	1·6	320	3·6	290	3·3
3	---	...	---	...	45	1·8	45	1·9	65	4·2	35	5·5	55	3·9	55	6·7	50	6·4	45	5·7	50	5·6	45	5·4
4	55	1·6	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	60	3·0	50	3·3	25	5·4
5	50	6·2	45	6·4	75	4·7	80	6·4	80	5·8	80	5·0	80	5·0	65	5·9	55	5·8	55	7·3	40	7·0	20	9·6
6	35	5·8	35	6·4	40	4·9	30	5·0	50	5·4	60	5·1	50	6·8	50	5·5	55	5·2	30	5·6	20	6·2	5	6·8
7	30	3·5	30	1·8	---	...	---	...	---	...	70	1·1	---	...	10	1·9	350	3·0	340	3·1	320	4·1	340	4·9
8	65	1·3	---	...	60	2·2	60	2·0	70	1·4	65	1·0	55	1·7	50	1·4	---	...	310	1·6	330	3·1	330	2·9
9	320	5·7	330	4·7	330	5·2	330	5·6	325	6·7	335	8·4	360	7·7	355	8·7	355	9·8	350	9·7	335	9·1	335	8·5
10	---	...	---	...	---	...	60	1·6	60	1·0	55	1·8	---	...	---	...	180	3·3	180	4·1	180	5·9	185	6·5
11	230	4·7	230	6·4	235	5·3	235	6·0	230	5·0	185	3·0	175	3·8	160	5·0	170	7·0	165	7·3	185	7·0	205	7·7
12	195	8·0	200	8·4	200	9·0	200	9·1	190	7·0	190	7·4	185	7·5	185	6·9	180	6·8	190	7·4	190	7·7	190	8·4
13	195	8·0	195	7·8	195	7·9	190	7·4	195	7·7	190	7·4	185	7·1	190	7·4	195	7·4	200	9·8	205	10·7	205	10·0
14	205	8·7	195	7·4	195	7·5	195	7·8	195	7·6	195	7·4	195	8·5	200	8·7	195	10·0	190	10·5	200	10·3	200	9·9
15	170	5·2	110	1·6	150	3·2	165	4·0	150	2·8	135	2·4	155	1·8	165	1·9	185	3·0	195	3·3	215	3·5	285	2·7
16	---	...	---	...	---	...	---	...	---	...	---	...	---	...	270	1·4	280	2·7	275	3·5	270	3·8	275	4·0
17	140	4·8	150	5·1	150	5·4	145	5·6	150	4·9	150	6·5	145	6·8	140	7·9	140	8·8	150	9·6	155	10·1	150	11·1
18	170	9·4	165	8·6	160	9·0	170	8·0	175	7·5	180	7·2	180	7·8	175	8·3	175	8·6	175	9·9	175	9·6	175	9·7
19	175	9·8	175	9·5	180	9·6	180	9·3	180	9·0	180	8·8	185	8·9	165	9·7	155	9·2	155	10·0	160	10·5	160	11·1
20	190	9·2	190	9·3	195	8·1	185	7·6	185	7·8	180	7·0	175	6·5	180	6·0	185	6·0	180	7·1	185	7·3	190	7·4
21	180	2·6	150	3·1	165	1·9	155	2·0	145	2·6	100	1·3	---	...	85	1·9	85	1·5	345	1·9	350	2·6	325	4·3
22	295	2·4	280	3·1	305	3·2	275	2·3	285	4·9	305	2·5	270	3·0	270	4·5	265	4·1	260	3·1	255	5·2	275	5·0
23	350	3·2	350	4·9	335	4·5	345	7·0	15	7·3	15	6·5	355	6·6	355	5·5	335	5·9	340	6·4	325	6·5	325	6·6
24	350	7·2	360	5·7	360	7·0	360	6·9	360	6·4	5	5·3	5	8·5	10	8·5	10	7·8	25	8·1	25	7·7	30	7·0
25	50	5·1	25	5·0	30	5·1	15	4·4	30	4·6	30	4·5	30	4·3	20	6·7	30	8·0	30	7·5	30	7·2	35	6·5
26	40	5·6	40	6·1	55	4·9	60	5·1	45	4·6	40	5·0	40	5·8	20	6·6	35	6·0	45	5·4	25	5·4	20	5·6
27	60	1·6	50	1·3	---	...	---	...	60	1·1	60	1·5	---	...	---	...	315	1·2	330	3·8	330	4·3	295	3·0
28	360	6·4	10	4·6	5	4·9	5	6·0	360	6·5	360	5·5	355	6·6	355	7·0	355	7·1	355	8·1	340	8·2	350	8·4
29	360	3·4	355	2·8	350	4·0	355	3·7	345	5·4	345	3·9	345	4·4	345	5·9	340	6·4	340	6·4	330	5·9	330	5·2
30	255	3·8	275	4·4	270	4·2	245	2·5	220	1·8	160	2·8	155	3·1	155	5·4	165	7·1	150	6·7	145	8·2	140	9·4
31	175	7·9	170	7·5	160	6·7	155	5·4	150	4·8	115	3·6	80	4·3	95	4·8	105	7·5	110	9·7	105	10·0	105	8·6
Mean.	---	4·8	---	4·6	---	4·5	---	4·5	---	4·6	---	4·3	---	4·4	---	5·1	---	5·6	---	6·2	---	6·6	---	6·8

418. Cahirciveen (Valentia Observatory): H_a = 17 metres + 13 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	50	4·0	85	4·6	90	5·7	70	3·1	80	5·5	70	5·3	80	6·0	80	4·5	50	4·8	45	4·0	45	4·2	30	4·5
2	---	...	110	1·0	---	...	---	...	55	2·3	---	...	---	...	---	...	30	1·1	25	1·7	280	1·8	280	3·1
3	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	280	1·2	270	3·0	270	4·4
4	80	2·5	50	1·0	55	2·2	55	3·8	75	3·7	180	1·1	190	1·3	170	2·2	---	...	250	1·4	230	2·5	270	3·4
5	90	2·5	---	...	---	...	---	...	---	...	55	1·0	---	...	---	...	---	...	340	1·5	35	3·0	25	3·5
6	40	1·3	---	...	---	...	45	1·0	50	1·6	40	1·3	25	2·0	15	3·2	360	5·2	20	4·6	360	4·6	25	4·0
7	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	335	1·1	315	1·8	320	2·8	315	2·5
8	60	2·4	75	2·0	---	...	60	1·8	---	...	65	1·3	75	1·2	180	2·5	175	3·9	185	4·7	185	5·8	195	6·6
9	180	7·0	180	6·6	175	7·0	180	7·0	180	6·9	180	6·9	180	6·8	180	6·3	180	6·6	180	7·0	185	7·5	180	7·1
10	160	7·5	160	7·2	160	7·2	165	6·5	160	7·4	160	7·1	165	6·4	165	5·0	160	6·2	165	7·4	165	7·9	165	7·7
11	65	1·0	75	1·3	---	...	55	1·5	60	1·6	---	...	---	...	---	...	320	3·1	330	1·8	300	2·0	320	3·0
12	---	...	---	...	---	...	---	...	30	1·5	---	...	---	...	---	...	---	...	---	...	295	1·6	275	2·9
13	90	3·4	95	3·4	95	2·9	100	2·9	110	1·3	60	1·5	65	2·0	70	1·8	125	1·4	125	1·1	305	3·1	315	3·1
14	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	275	2·1
15	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	325	1·2	---	...	---	...	---	...
16	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	335	2·6	340	1·4	10	1·1	340	3·6
17	---	...	---	...	---	...	---	...	---	...	75	1·5	75	2·6	---	...	85	2·0	60	3·2	40	3·6	40	5·0
18	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	285	1·2	300	2·6	70	2·5
19	100	1·0	90	1·4	70	1·7	60	1·6	---	...	---	...	---	...	---	...	---	...	275	1·0	270	2·1	270	3·2
20	170	5·2	160	6·0	165	5·8	135	3·4	115	1·4	100	1·5	170	3·0	175	3·9	175	2·7	180	2·8	165	3·3	175	3·5
21	---	...	---	...	---	...	---	...	---	...	---	...	---	...	280	2·1	300	2·2	275	2·4	280	3·0	310	4·3
22	5	3·6	5	2·5	10	2·2	5	1·3	---	...	---	...	---	...	275	1·6	270	1·2	270	1·1	290	2·4	335	5·7
23	10	2·6	10	3·2	50	3·3	65	3·1	55	3·9	55	2·5	60	4·5	60	4·1	30	3·9	40	2·9	350	5·0	325	5·4
24	---	...	---	...	---	...	---	...	---	...	---	...	---	...	315	2·8	330	3·5	320	3·2	315	4·4	320	4·7
25	---	...	---	...	---	...	---	...	305	4·4	305	4·9	295	3·5	290	3·0	275	3·4	275	4·3	280	4·9	275	4·5
26	210	2·8	205	2·1	225	3·3	225	3·0	205	2·9	200	3·4	225	3·1	215	4·2	220	5·5	210	6·3	215	7·1	220	7·2
27	185	4·2	185	5·6	190	5·0	195	4·3	175	4·3	175	3·5	180	2·9	175	3·2	185	3·0	180	3·9	190	4·6	190	4·8
28	---	...	---	...	---	...	---	...	---	...	---	...	40	1·9	20	3·4	355	3·7	335	4·2	320	4·6	320	4·2
29	105	1·1	---	...	140	2·1	170	4·3	180	5·2	170	6·0	175	8·1	180	9·0	175	9·7	170	9·4	170	8·7	175	9·5
30	210	6·5	210	6·8	195	7·8	195	8·0	195	7·8	195	7·7	195	7·4	185	7·7	180	7·5	180	7·7	180	7·7	180	7·5
Mean.	---	2·2	---	2·1	---	2·2	---	2·1	---	2·3	---	2·1	---	2·3	---	2·5	---	3·0	---	3·2	---	3·9	---	4·5
Hour. G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

May, 1932.

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	
125	7·0	135	6·0	130	7·0	130	5·9	130	5·8	125	5·0	115	4·0	110	5·1	105	5·7	105	5·5	105	6·6	90	4·9	5·4	1
270	4·0	275	4·9	270	5·1	270	5·0	290	4·0	320	3·0	340	3·4	340	1·5	---	···	---	···	---	···	---	···	2·4	2
50	5·8	5	7·5	20	7·1	30	6·3	10	7·2	10	6·6	15	5·6	55	3·3	65	2·2	60	2·2	80	2·0	70	3·1	4·4	3
25	5·9	20	6·9	30	7·0	25	6·6	20	5·7	5	6·4	25	6·3	40	6·3	55	4·5	45	3·6	90	3·1	60	5·2	3·5	4
25	9·5	30	9·5	25	8·3	25	7·5	10	7·3	10	7·9	10	7·4	10	9·9	15	6·7	30	6·6	40	6·7	40	7·0	7·0	5
5	7·5	355	6·4	355	7·4	345	8·1	345	8·4	345	8·8	345	8·2	355	7·0	360	6·5	10	4·5	10	4·5	15	5·0	6·3	6
330	4·3	320	5·3	330	5·5	330	5·9	335	5·3	320	4·9	350	5·2	350	4·5	360	2·8	15	1·6	55	1·1	55	1·7	3·1	7
315	3·7	280	4·1	280	4·5	275	4·6	290	4·4	295	4·1	295	4·5	315	4·2	335	4·6	355	4·3	320	4·1	320	5·3	2·9	8
335	7·8	340	6·6	335	7·4	335	6·8	320	6·6	320	6·1	325	4·6	335	3·9	345	1·8	15	1·0	---	···	---	···	6·1	9
180	7·3	175	8·3	165	9·3	145	7·4	135	8·6	140	11·0	150	10·9	160	9·8	200	6·4	250	5·6	230	5·0	230	4·7	5·0	10
200	8·9	210	10·8	195	9·4	190	9·2	200	10·7	205	11·5	205	11·3	205	11·6	205	11·1	205	10·8	205	10·9	195	9·0	8·0	11
205	7·7	215	6·4	225	6·7	220	7·9	220	8·5	210	8·4	205	9·3	210	8·4	185	6·9	185	7·3	185	7·2	195	8·0	7·8	12
210	9·9	205	10·4	210	10·6	215	10·5	215	10·2	210	10·4	200	10·8	205	10·6	205	9·9	205	9·7	205	9·2	205	9·2	9·1	13
190	8·8	190	8·5	190	9·1	185	8·9	185	7·9	180	7·2	180	6·0	175	5·1	170	4·4	180	5·1	165	5·7	165	5·6	7·9	14
290	3·4	325	1·9	320	1·2	280	4·3	280	4·4	275	3·5	295	2·8	310	2·6	320	1·2	---	···	---	···	---	···	2·7	15
275	3·9	275	4·6	240	5·3	240	5·5	235	5·1	230	5·0	220	4·1	180	4·0	165	2·7	150	3·0	150	4·8	150	5·0	2·9	16
140	11·8	135	11·6	140	11·2	140	10·8	145	10·7	150	10·6	150	9·8	150	11·0	155	9·8	150	11·7	155	12·2	160	10·1	9·0	17
180	10·4	185	10·1	185	10·2	185	10·6	185	10·4	185	10·7	185	9·8	185	9·1	180	10·1	180	9·9	180	10·0	180	9·9	9·4	18
170	9·5	175	10·8	195	11·1	205	12·5	195	10·8	190	10·2	190	9·8	195	9·9	195	10·5	195	9·9	195	9·7	190	10·2	10·0	19
185	6·9	190	6·8	185	7·3	185	7·1	190	7·1	190	6·5	190	5·6	180	5·0	180	5·0	185	4·8	175	3·2	180	3·2	6·7	20
325	4·1	320	4·8	325	5·5	325	6·1	325	5·5	330	6·0	330	5·0	325	3·2	315	3·0	330	2·2	320	1·6	300	2·5	3·2	21
275	5·4	270	6·9	270	7·7	275	6·1	265	5·9	265	5·5	255	4·8	260	5·9	250	3·4	270	1·5	---	···	325	1·7	4·1	22
315	5·0	305	4·2	285	5·0	285	5·0	285	6·2	300	4·5	10	7·9	360	7·0	360	7·2	355	7·8	360	7·0	355	7·4	5·9	23
10	8·4	15	9·3	10	9·0	15	8·8	15	8·5	10	8·8	360	10·1	360	8·4	10	9·0	10	8·3	15	8·0	20	7·2	7·9	24
30	6.8	20	6·6	20	6·9	25	6·6	360	6·6	10	8·3	10	7·9	5	5·7	45	7·0	25	3·7	15	5·5	35	5·9	6·1	25
10	4·7	350	6·1	360	6·2	360	5·4	15	4·8	25	4·0	25	3·5	10	2·3	50	1·5	40	1·0	---	···	---	···	4·6	26
335	4·9	335	7·2	330	5·7	345	7·0	345	7·9	350	7·9	345	7·0	345	6·1	350	6·2	360	7·1	10	6·0	10	4·8	4·0	27
345	7·4	340	7·8	335	7·5	335	7·4	340	7·2	335	7·1	345	6·9	345	7·3	355	6·0	355	4·9	355	4·3	360	2·2	6·5	28
320	6·7	325	7·3	330	7·0	330	7·2	315	5·3	310	5·7	315	5·3	305	5·2	300	4·9	285	4·9	290	4·6	270	4·1	5·2	29
135	11·1	135	11·2	135	11·7	140	10·2	140	10·1	145	9·4	150	9·4	160	9·8	155	10·2	155	10·5	155	9·5	160	9·6	7·5	30
105	10·0	105	10·8	105	11·2	95	8·1	95	7·4	95	6·5	100	5·5	100	8·0	110	7·9	110	6·9	75	4·1	80	3·5	7·2	31
---	7·0	---	7·4	---	7·6	---	7·4	---	7·2	---	7·1	---	6·9	---	6·5	---	5·8	---	5·4	---	5·1	---	5·1	5·9	

June, 1932.

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	
35	6·2	35	5·3	35	4·9	170	5·5	185	2·7	---	···	65	1·0	---	···	---	···	---	···	---	···	65	1·0	3·6	1
275	3·2	275	3·5	275	3·1	320	3·5	315	2·4	330	2·5	300	1·0	---	···	---	···	---	···	45	1·5	110	1·7	1·6	2
280	4·0	280	3·0	275	2·0	265	1·4	285	1·2	280	1·4	305	1·2	325	1·2	---	···	---	···	50	1·5	60	2·1	1·4	3
280	3·8	275	3·5	275	3·4	275	3·6	275	3·5	360	4·3	50	4·5	60	4·3	65	3·5	80	3·2	80	4·2	70	4·2	2·9	4
350	5·5	330	5·5	335	5·5	330	6·0	340	6·1	335	6·4	350	6·0	350	5·3	345	3·5	360	1·9	60	1·0	50	1·0	2·9	5
360	3·5	345	3·5	330	4·6	320	5·5	320	4·0	295	3·2	305	3·7	320	3·4	340	3·9	350	3·3	5	1·5	---	···	2·9	6
275	3·4	275	4·5	280	4·5	285	4·0	285	3·5	280	3·0	280	2·9	285	2·0	280	1·0	---	···	50	1·5	60	2·2	1·8	7
185	7·3	185	8·0	180	8·2	185	7·7	185	7·9	180	7·5	180	7·1	180	6·3	175	6·6	180	7·0	165	7·0	175	6·8	4·9	8
180	7·0	185	7·0	190	7·6	190	7·9	180	8·0	180	7·7	180	7·2	185	7·0	180	6·6	170	7·1	165	7·3	170	6·9	7·1	9
170	7·0	160	6·3	180	6·5	165	5·0	165	4·9	195	4·8	185	4·2	175	3·0	170	2·1	155	1·8	90	1·2	---	···	5·6	10
295	3·5	330	4·0	315	3·5	300	3·3	280	3·3	300	2·9	305	3·5	310	2·5	320	1·4	330	1·0	---	···	---	···	2·0	11
270	1·9	275	2·2	310	1·7	285	1·9	325	1·2	320	1·1	---	···	260	1·6	---	···	60	1·5	105	2·9	100	3·8	1·2	12
295	2·8	275	2·9	295	2·6	275	3·6	275	3·4	275	2·8	275	1·6	---	···	---	···	---	···	---	···	---	···	2·2	13
265	1·8	275	1·8	290	2·4	320	2·8	315	3·2	290	2·3	260	1·6	---	···	---	···	---	···	---	···	---	···	1·1	14
255	1·0	---	···	55	1·7	310	1·1	---	···	280	1·0	---	···	---	···	---	···	---	···	---	···	---	···	0·6	15
330	5·6	330	7·4	335	8·4	345	6·7	5	4·6	10	3·7	35	5·0	70	4·7	80	4·4	75	4·0	80	4·5	50	2·9	3·1	16
40	5·0	40	4·5	140	2·6	230	2·6	220	4·1	205	3·8	270	1·6	---	···	---	···	200	1·2	---	···	---	···	2·1	17
305	4·1	265	3·6	200	1·3	---	···	220	1·2	---	···	235	1·3	---	···	---	···	210	1·1	---	···	---	···	1·1	18
275	3·7	270	4·6	275	5·0	280	4·6	280	4·0	280	2·5	---	···	---	···	195	1·8	165	3·7	165	4·7	160	4·6	2·2	19
190	3·5	235	3·8	240	5·0	240	5·1	265	4·4	280	4·4	280	2·7	275	1·2	---	···	---	···	---	···	---	···	3·2	20
315	4·7	320	5·0	315	5·6	325	5·5	320	5·5	320	4·6	330	4·4	325	3·6	325	3·2	330	2·7	345	3·8	345	4·2	2·9	21
350	7·8	360	8·0	345	9·2	345	9·6	345	9·3	345	8·2	350	6·9	360	5·7	5	5·2	20	3·4	30	1·5	5	3·1	4·2	22
325	5·7	335	7·0	335	7·0	330	6·6	340	7·5	335	6·7	330	6·7	340	5·6	350	3·9	360	3·1	20	1·4	---	···	4·5	23
315	4·2	295	3·8	315	4·8	310	5·1	320	5·1	330	5·6	330	6·1	330	6·0	330	4·9	330	3·2	330	3·3	---	···	3·1	24
275	4·5	270	4·2	275	3·7	270	4·3	270	4·4	270	3·3	---	···	235	1·6	250	3·0	260	2·0	250	1·2	200	2·1	2·9	25
220	8·2	210	6·7	215	6·3	195	5·7	215	7·5	210	7·3	210	6·9	215	5·8	215	6·2	195	5·1	190	4·7	190	4·1	5·2	26
170	4·1	180	3·2	195	4·5	215	3·4	200	3·0	200	2·0	240	1·0	335	1·4	---	···	---	···	---	···	---	···	3·2	27
330	4·5	340	4·8	330	5·1	330	5·5	330	6·0	330	5·7	335	4·8	335	4·3	330	2·1	---	···	---	···	---	···	2·9	28
180	9·1	180	9·8	180	8·6	180	9·5	180	8·9	190	8·5	190	8·4	185	7·7	180	8·0	175	6·9	180	6·9	200	6·8	7·1	29
185	7·1	180	6·6	170	4·6	105	2·3	345	1·7	310	4·8	350	3·4	350	2·9	330	5·0	310	4·6	280	4·2	240	5·0	6·0	30
---	4·8	---	4·8	---	4·8	---	4·7	---	4·4	---	4·1	---	3·6	---	3·0	---	2·7	---	2·4	---	2·4	---	2·3	3·2	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

Direction expressed in degrees from North ($E = 90^\circ$, $S = 180^\circ$, $W = 270^\circ$, $N = 360^\circ$) : Speed in Metres per second.

419. Cahirciveen (Valentia Observatory):

H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G.M.T.	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	235	4·9	235	5·4	230	5·6	220	5·3	230	5·2	230	6·0	225	5·5	260	4·6	280	5·4	270	7·2	265	7·4	265	8·0
2	280	6·4	270	6·6	280	6·5	280	5·5	270	6·0	255	5·8	245	6·0	240	6·1	235	8·6	235	9·9	235	9·8	230	10·8
3	205	9·3	195	8·6	190	8·3	185	8·5	165	8·4	160	8·9	170	9·8	185	8·1	180	7·8	185	8·6	185	8·7	185	8·6
4	190	8·8	190	8·5	195	8·8	205	7·5	205	6·4	190	5·9	250	4·6	300	5·2	295	5·3	270	5·7	275	5·3	265	5·6
5	275	2·5	245	3·6	230	3·2	230	3·6	240	4·6	230	4·4	270	3·8	250	3·6	260	5·2	240	4·5	270	5·2	280	4·1
6	230	4·1	220	3·5	220	2·4	235	2·9	210	2·8	205	3·5	225	3·9	240	4·8	260	4·8	250	4·5	240	5·1	195	3·9
7	---	...	---	...	360	1·5	325	1·0	---	...	---	...	285	1·5	275	2·0	275	2·5	275	3·0	275	3·5	275	4·2
8	270	3·1	270	3·1	265	2·2	265	3·0	260	3·9	270	4·0	275	3·9	270	1·5	265	2·6	260	5·0	255	5·7	260	6·7
9	230	4·4	235	5·0	240	3·9	245	1·8	235	2·9	235	4·1	230	4·5	225	4·8	240	4·2	215	4·1	215	4·5	225	4·5
10	195	4·9	190	5·2	190	5·7	190	6·4	195	5·1	185	6·5	185	7·2	185	6·6	200	5·6	190	6·2	185	6·4	200	6·5
11	---	...	---	...	---	...	5	1·7	5	3·1	5	3·4	5	3·7	355	2·8	360	3·4	360	5·0	360	5·5	350	7·0
12	10	7·5	5	7·3	25	6·4	30	6·5	25	5·8	30	6·1	35	7·0	30	8·0	40	7·5	25	8·1	20	7·9	5	8·0
13	340	1·2	---	...	---	...	---	...	---	...	45	2·2	---	...	---	...	---	...	---	...	320	3·0	350	4·1
14	15	5·8	20	7·2	25	8·7	35	7·7	35	7·7	50	5·8	40	5·5	40	7·6	35	8·7	40	5·6	25	6·7	45	5·3
15	360	2·0	325	2·1	360	4·5	355	2·5	335	3·0	335	3·6	335	3·7	340	3·4	330	3·9	315	3·6	315	3·8	310	3·2
16	325	5·1	330	4·2	325	5·2	330	5·6	345	7·9	360	6·0	350	4·7	350	5·7	345	6·3	350	6·6	360	5·7	5	7·9
17	360	3·9	25	5·1	20	5·0	10	6·0	30	7·4	20	6·9	25	6·1	25	5·4	45	7·8	30	7·5	15	7·2	20	7·7
18	10	8·1	10	8·0	10	6·9	15	6·8	15	5·9	5	4·5	355	4·6	10	4·4	350	7·3	355	5·9	345	5·2	340	4·6
19	345	3·6	345	3·9	340	4·2	340	4·6	340	4·4	340	3·0	345	4·4	345	4·4	345	5·0	330	4·4	335	4·4	335	4·1
20	240	3·5	280	6·0	335	6·7	335	5·5	320	5·3	330	4·4	320	2·7	315	4·6	320	5·7	325	4·3	295	4·6	295	4·9
21	310	4·2	335	4·1	305	4·2	325	5·0	340	2·5	295	3·9	305	3·4	325	3·5	305	3·7	310	4·1	310	4·9	285	4·5
22	305	1·2	335	2·2	330	2·8	330	2·5	320	2·6	300	1·8	270	1·0	300	3·5	315	4·1	320	4·0	315	4·9	310	5·3
23	360	2·5	350	1·5	340	1·2	330	2·1	345	2·1	---	...	---	...	280	1·8	---	...	230	1·9	180	4·7	170	5·2
24	270	2·2	260	4·0	265	4·3	275	3·4	270	2·2	305	3·8	315	3·8	280	2·6	265	2·8	260	3·8	260	3·8	255	4·6
25	300	4·9	300	5·3	295	4·4	295	5·2	295	4·6	295	4·9	290	5·2	290	5·5	285	5·8	285	7·0	290	6·8	290	5·8
26	300	9·6	310	7·8	305	7·4	310	6·6	315	6·1	315	6·0	310	6·5	305	7·0	300	7·4	300	7·3	290	7·4	290	7·7
27	295	6·5	290	6·1	300	7·5	295	7·1	295	7·4	300	8·4	300	8·4	305	9·1	305	8·0	305	8·4	305	7·0	300	7·5
28	185	2·6	135	1·3	65	3·4	75	3·6	55	2·5	---	...	80	1·0	90	1·0	---	...	190	(1·9)	205	(2·2)	245	(2·5)
29	225	(6·2)	195	(5·6)	200	(5·9)	175	(7·4)	185	(8·4)	195	(8·3)	200	(7·7)	230	6·9	260	8·3	240	7·3	225	7·3	210	7·9
30	185	6·9	210	8·0	215	8·0	210	6·5	205	5·5	200	5·2	210	5·6	215	5·9	250	4·7	---	...	230	2·7	235	4·6
31	185	3·7	180	4·2	210	3·8	200	3·1	210	(3·6)	235	(4·0)	240	(4·6)	260	(5·2)	280	(5·3)	300	(5·9)	300	6·5	295	6·1
Mean.	---	4·5	---	4·7	---	4·8	---	4·7	---	4·7	---	4·6	---	4·6	---	4·7	---	5·1	---	5·2	---	5·6	---	5·9

420. Cahirciveen (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	345	5·5	350	6·9	350	6·8	360	7·1	15	6·2	315	6·2	360	6·7	360	7·0	360	6·4	355	9·7	360	7·8	350	8·0
2	---	...	80	1·5	55	1·9	95	1·3	170	2·7	165	6·1	175	6·5	200	6·3	175	7·6	180	7·3	195	7·5	250	6·1
3	330	2·5	320	3·0	340	1·2	---	...	265	2·4	265	1·6	260	1·1	275	1·5	275	2·4	275	3·8	270	3·2	270	4·5
4	265	4·9	265	5·1	265	3·6	270	4·8	270	4·6	260	5·4	265	5·1	270	4·6	275	3·8	275	3·8	275	4·8	275	4·1
5	265	2·1	255	2·6	---	...	245	1·0	230	1·0	230	1·2	195	1·9	215	1·8	230	2·6	220	2·0	200	3·2	240	3·3
6	175	6·4	170	7·1	185	8·6	190	8·7	185	8·6	195	8·1	190	8·1	205	8·1	205	9·4	210	9·3	220	9·1	230	8·4
7	---	...	---	...	215	1·3	215	1·6	210	1·3	200	1·3	190	1·0	190	1·9	170	3·4	180	4·0	180	5·4	175	6·5
8	190	5·1	195	5·1	220	4·0	195	2·9	180	3·5	170	4·1	175	3·6	175	3·8	190	3·5	195	4·0	215	4·4	235	5·2
9	105	2·0	---	...	65	1·0	55	1·8	---	...	---	...	---	...	230	1·3	215	1·8	235	2·1	245	1·0	275	3·2
10	180	4·4	195	5·1	180	4·4	175	4·7	170	5·5	180	5·8	200	7·2	190	6·8	185	6·5	190	5·0	170	6·3	185	5·6
11	165	4·4	155	7·3	125	6·0	135	2·1	145	4·1	150	4·3	165	3·8	155	4·6	130	5·9	90	8·4	100	6·8	105	6·0
12	---	...	315	1·0	---	...	290	1·9	315	3·1	320	6·5	320	6·5	315	7·6	325	8·2	315	8·0	310	6·3	305	5·8
13	180	7·7	190	6·6	210	6·6	195	4·8	180	4·8	210	3·8	190	3·0	175	3·2	170	3·4	170	3·4	200	3·5	220	4·3
14	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	335	2·0	355	3·8	10	4·3	5	5·6
15	50	2·5	90	1·2	25	2·2	115	1·6	---	...	---	...	---	...	---	...	20	1·0	---	...	315	3·4	335	2·5
16	---	...	---	...	---	...	---	...	---	...	225	1·3	135	1·7	60	1·1	40	1·3	170	2·8	200	3·2	255	4·0
17	---	...	---	...	---	...	115	1·7	---	...	---	...	---	...	---	...	280	1·2	---	...	280	2·0	280	2·2
18	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	320	3·7
19	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	275	1·2	280	1·0	270	1·6
20	60	10·0	70	6·9	60	3·8	90	3·6	---	...	70	1·7	70	8·8	75	9·9	65	8·9	60	10·4	45	9·5	60	9·9
21	50	7·0	60	7·3	65	6·6	65	5·6	10	2·1	65	2·0	90	5·5	110	3·4	115	1·7	85	2·9	105	3·0	50	1·3
22	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	60	1·8
23	80	7·0	85	7·7	90	5·9	90	5·5	90	9·0	80	6·9	80	4·8	80	5·9	90	6·4	90	6·0	80	6·0	90	5·8
24	95	8·1	140	5·6	170	4·9	170	5·7	160	4·0	135	3·2	140	3·0	135	4·0	135	4·5	145	4·6	125	3·8	135	4·0
25	95	8·8	85	7·4	85	5·5	85	4·7	85	4·5	90	4·7	80	4·6	75	3·7	80	3·0	95	4·5	95	4·5	110	5·5
26	125	4·7	115	4·0	100	4·2	95	3·2	110	2·3	75	1·7	140	4·9	155	6·0	155	7·1	155	6·5	165	8·4	170	8·2
27	360	4·8	360	3·9	360	4·2	10	4·5	10	3·6	10	3·2	20	2·6	20	3·1	5	3·6	15	2·7	345	3·2	330	2·7
28	---	...	---	...	---	...	180	1·8	140	3·9	130	3·6	115	4·3	100	5·1	125	3·5	115	3·5	100	4·1	120	4·2
29	65	1·6	---	...	40	3·2	60	3·4	30	1·0	---	...	---	...	55	1·2	25	3·3	50	2·8	85	2·8	80	2·1
30	300	3·0	280	2·8	230	2·5	195	2·6	195	2·2	180	3·1	205	3·5	225	4·1	230	6·1	225	6·5	230	7·6	295	6·5
31	255	3·5	255	3·5	260	5·0	230	4·0	190	3·2	220	2·2	---	...	250	4·3	240	5·5	225	6·4	230	7·7	235	7·1
Mean.	---	3·6	---	3·1	---	3·2	---	3·0	---	2·8	---	3·0	---	3·3	---	3·7	---	4·0	---	4·4	---	4·7	---	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, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

July, 1932.

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	8·8	290	8·5	300	8·0	290	8·8	290	8·4	295	8·5	290	7·5	295	7·5	295	6·6	285	7·5	275	6·9	290	5·9	6·8	1
225	10·4	225	10·7	230	10·2	230	11·1	230	10·1	235	9·7	235	10·0	225	9·4	240	6·2	215	7·3	210	8·6	210	9·1	8·3	2
185	9·8	185	9·9	190	10·6	190	10·0	195	10·2	195	10·2	195	10·4	195	10·7	195	10·1	200	9·9	195	10·5	195	10·0	9·4	3
265	6·7	265	7·5	260	7·7	270	7·1	265	7·0	265	6·4	260	5·9	260	5·9	250	4·9	240	4·6	260	4·6	275	4·2	6·4	4
270	4·5	265	7·6	265	6·9	270	5·9	275	5·0	255	5·4	230	4·5	230	3·9	225	4·0	225	3·5	230	4·0	225	4·1	4·5	5
160	3·4	160	3·1	170	4·1	230	4·0	255	4·4	295	4·2	340	3·0	330	4·7	335	4·4	355	3·8	340	3·8	335	2·9	3·9	6
250	4·7	230	5·6	225	5·0	200	4·9	210	7·5	210	6·9	215	6·0	195	5·7	225	5·3	270	4·8	275	3·8	275	2·6	3·5	7
265	5·8	260	5·9	255	7·0	260	7·4	250	5·5	250	5·8	240	4·8	230	4·9	225	4·8	230	4·1	235	4·2	240	4·5	4·5	8
190	5·8	205	5·0	210	4·6	200	4·4	200	4·8	210	4·9	185	5·6	185	5·2	180	6·9	185	5·9	180	6·2	190	5·5	4·7	9
275	4·9	340	3·8	340	3·8	315	4·2	310	3·6	335	3·3	335	2·9	335	2·8	335	2·5	340	1·0	---	···	---	···	4·5	10
10	5·8	10	6·8	355	7·9	355	8·5	350	10·2	360	8·7	5	7·6	10	8·3	10	9·0	15	9·0	10	9·7	10	8·5	5·5	11
350	7·8	15	6·9	5	7·6	355	9·4	360	7·5	5	5·4	15	3·1	50	1·5	45	1·6	345	2·6	---	···	---	···	6·0	12
10	6·3	10	6·9	20	6·4	40	5·9	45	3·9	30	3·6	25	5·4	55	5·6	40	4·2	360	3·9	345	6·0	335	3·2	3·1	13
40	7·3	45	4·0	35	4·7	20	5·5	20	6·7	65	5·1	50	4·2	20	4·9	35	5·5	30	4·2	20	3·5	355	5·1	5·9	14
275	2·8	275	1·9	265	1·6	245	2·6	225	3·7	225	3·6	215	3·4	320	3·9	330	4·3	325	5·2	325	4·6	335	4·4	3·4	15
355	9·4	360	8·7	355	10·6	355	11·5	355	11·9	355	11·4	360	8·7	360	7·9	350	6·1	360	4·1	15	4·4	5	4·7	7·1	16
20	8·4	20	8·7	15	8·5	20	8·9	15	8·4	5	8·5	15	8·1	25	7·6	10	7·6	10	8·6	10	10·8	10	10·2	7·4	17
330	3·9	330	3·5	325	3·0	295	3·3	315	3·3	335	3·3	340	2·4	315	2·5	340	5·2	360	6·0	360	3·7	340	3·4	5·0	18
315	5·3	315	5·1	320	5·0	310	5·0	310	3·3	285	1·5	315	1·6	315	1·2	310	1·2	---	···	270	1·9	260	3·6	3·6	19
320	4·9	300	4·0	275	3·6	280	5·4	295	5·4	315	5·1	315	4·9	320	5·1	335	4·2	315	4·6	305	4·1	315	4·5	4·7	20
275	4·1	275	4·3	275	4·5	280	4·0	280	3·5	290	3·4	310	1·7	325	1·8	315	1·2	---	···	---	···	---	···	3·3	21
320	5·8	325	6·4	330	7·0	340	8·8	345	8·9	350	8·3	350	7·2	350	6·7	5	4·5	360	4·1	5	4·5	5	2·9	4·6	22
255	4·4	275	3·9	270	4·0	265	4·7	275	5·1	270	5·1	265	5·7	265	5·9	270	5·8	275	3·4	270	2·0	270	2·6	3·2	23
260	4·0	260	4·4	265	5·4	265	4·9	275	4·7	275	3·8	320	5·1	345	2·5	315	4·0	315	4·0	320	4·0	330	1·5	3·8	24
290	7·1	295	7·1	280	7·0	295	7·5	285	6·9	290	7·5	295	8·8	300	8·0	300	9·1	295	7·9	300	9·0	300	8·9	6·5	25
285	7·5	290	6·8	305	7·7	300	7·8	300	7·5	300	7·9	300	7·3	300	7·0	305	6·8	300	6·0	290	5·3	290	5·0	7·1	26
295	6·8	290	6·7	290	7·0	285	4·9	275	4·2	270	5·0	265	5·4	255	5·0	225	3·5	200	2·6	180	3·4	170	3·5	6·3	27
225	3·6	225	4·1	230	5·6	230	5·6	220	4·8	175	5·5	175	5·5	200	(4·6)	220	7·2	215	7·4	220	7·3	240	(8·1)	3·7	28
210	9·0	210	10·4	210	10·1	200	9·4	180	7·3	185	6·9	185	6·6	185	7·1	190	7·4	185	7·0	180	7·4	180	7·6	7·7	29
225	5·0	230	5·0	275	4·8	270	4·1	270	4·2	270	3·9	265	4·0	265	4·4	230	3·5	205	3·4	210	3·0	195	3·5	4·8	30
290	6·6	285	6·5	280	6·1	285	5·0	315	5·7	315	5·9	315	5·0	320	5·6	320	6·0	345	4·2	350	3·9	350	4·4	5·0	31
---	6·1	---	6·1	---	6·3	---	6·5	---	6·2	---	6·0	---	5·6	---	5·4	---	5·3	---	4·9	---	4·9	---	4·7	5·3	

August, 1932.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
350	7·8	340	8·7	350	9·5	345	9·3	335	7·6	340	8·0	340	5·6	340	4·4	360	2·6	25	1·5	---	···	---	···	6·3	1
295	5·2	310	5·0	330	7·3	325	8·4	330	9·0	330	8·5	340	7·0	335	5·2	345	2·6	340	3·6	335	4·5	325	3·7	5·2	2
270	4·6	265	5·3	265	6·0	265	5·6	260	5·4	265	4·8	250	4·0	220	3·1	220	3·0	225	2·6	210	3·0	250	4·3	3·3	3
280	4·3	275	3·4	275	3·9	265	5·1	265	5·7	265	4·9	240	3·7	245	3·0	270	2·6	---	···	220	2·4	270	4·9	4·1	4
260	3·9	275	3·8	270	2·8	210	3·2	215	3·2	225	4·1	215	4·5	195	5·3	185	5·3	185	6·1	195	5·5	195	4·3	3·1	5
245	8·5	265	7·4	265	7·4	265	6·4	270	5·1	275	3·7	275	2·5	275	2·7	310	1·7	---	···	---	···	180	2·1	6·2	6
190	6·5	195	7·0	185	7·0	185	6·4	185	6·6	200	5·4	195	5·0	200	4·7	185	4·5	195	4·8	185	5·4	185	5·5	4·0	7
235	5·5	225	5·3	225	5·7	230	5·1	230	5·2	235	4·7	225	4·1	240	3·5	230	3·1	215	2·4	190	2·6	165	3·0	4·2	8
285	3·3	265	3·8	235	5·8	215	4·1	215	5·2	190	5·8	195	6·4	190	4·7	180	3·5	180	3·5	175	4·4	170	4·3	2·9	9
175	5·5	165	3·4	225	3·3	225	2·4	185	6·8	165	6·5	165	5·6	125	4·0	75	4·5	80	4·1	95	4·2	180	3·1	5·1	10
120	5·6	120	5·4	175	5·5	150	4·4	105	3·9	105	4·2	95	4·5	150	2·8	170	2·5	180	2·7	170	2·1	260	1·1	4·6	11
305	5·2	295	5·3	280	5·6	275	5·1	275	4·5	265	3·9	235	3·6	200	4·3	180	4·5	165	6·1	165	8·5	170	7·9	4·9	12
235	5·2	230	5·0	210	4·5	185	4·9	160	5·0	115	2·0	175	3·2	190	3·7	185	2·8	---	···	---	···	---	···	4·0	13
10	5·8	15	6·8	25	7·2	15	6·9	15	6·3	45	4·7	50	6·4	65	5·1	70	5·2	60	4·6	60	3·9	90	2·9	3·5	14
300	2·0	315	5·0	290	4·1	310	3·7	300	3·2	310	3·0	335	4·8	345	3·7	---	···	160	1·0	295	1·0	315	1·1	2·1	15
270	3·8	275	3·8	270	3·0	270	3·1	270	3·4	265	2·8	270	2·4	280	1·0	---	···	---	···	---	···	---	···	1·8	16
270	3·7	280	2·7	280	1·8	275	2·4	280	2·5	275	2·4	275	1·5	---	···	---	···	---	···	---	···	---	···	1·3	17
340	4·1	335	4·6	300	3·5	295	1·9	320	3·3	300	1·4	---	···	---	···	---	···	---	···	---	···	---	···	1·3	18
275	1·5	260	3·2	260	3·3	20	5·7	35	5·4	55	5·9	70	6·4	80	7·8	75	8·6	70	7·3	50	7·7	60	9·7	3·2	19
60	9·4	50	7·9	40	8·0	45	7·4	50	8·4	55	7·2	55	6·3	30	6·5	45	5·5	60	4·5	60	6·2	50	7·2	7·1	20
295	1·3	275	1·4	290	1·1	---	···	265	1·7	270	(1·0)	270	1·0	---	···	---	···	---	···	---	···	---	···	2·6	21
140	3·4	130	3·5	95	3·7	95	5·5	90	4·7	100	5·1	110	6·3	105	5·3	75	4·4	85	5·8	95	6·0	90	5·1	2·7	22
95	6·0	90	6·2	85	6·3	85	6·4	80	8·3	75	7·3	80	7·6	85	7·4	90	8·0	80	7·9	85	7·9	90	8·2	6·8	23
150	5·4	125	5·5	115	5·9	120	6·9	115	6·0	115	6·0	125	6·2	120	5·6	110	6·1	105	6·1	95	3·1	85	4·4	5·2	24
130	7·0	110	7·7	110	6·0	120	6·4	110	5·6	110	4·4	115	4·8	120	4·9	105	5·0	115	5·0	110	4·7	120	4·1	5·3	25
180	7·7	185	6·6	180	6·8	175	6·3	165	6·4	180	5·6	200	5·0	255	4·8	290	4·2	350	6·0	350	7·6	360	6·0	5·6	26
330	4·7	330	5·0	330	5·2	330	5·3	330	5·0	315	4·0	315	3·6	340	2·4	45	1·0	---	···	---	···	40	1·0	3·5	27
110	3·0	130	2·5	100	2·3	70	3·6	65	2·0	95	3·0	200	1·3	---	···	45	1·2	15	1·4	55	1·2	60	2·5	2·5	28
360	1·5	300	2·2	305	2·7	295	4·7	315	5·2	310	4·7	315	3·9	320	3·7	315	4·7	310	4·6	300	3·5	295	4·2	2·8	29
335	5·4	330	7·0	325	6·9	330	7·3	325	6·5	325	5·8	330	5·0	310	3·5	305	4·1	300	3·1	300	2·5	285	3·0	4·6	30
225	7·7	220	7·8	220	8·1	210	8·0	210	7·7	210	8·1	210	7·6	210	7·6	205	7·2	210	5·8	205	6·2	210	6·3	5·8	31
---	5·0	---	5·1	---	5·2	---	5·2	---	5·3	---	4·8	---	4·5	---	4·0	---	3·6	---	3·4	---	3·5	---	3·6	4·1	Mean
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. Cahirciveen (Valentia Observatory):

H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	6·9	220	6·5	225	7·3	220	7·7	215	7·5	230	8·7	235	8·0	235	9·1	235	9·7	240	9·3	230	10·4	230	10·5
2	230	8·1	230	8·7	230	9·6	230	10·3	230	10·0	230	10·1	230	10·0	230	10·0	230	11·8	230	11·2	230	13·0	230	13·9
3	265	5·3	270	6·1	270	6·5	275	7·6	295	6·5	275	8·1	290	8·0	280	7·9	285	7·7	300	8·0	310	8·3	310	8·0
4	310	5·2	305	4·5	295	5·2	300	4·9	300	5·2	300	5·3	305	4·1	300	3·5	280	4·5	290	5·0	280	4·1	265	4·1
5	170	5·6	195	4·8	185	5·5	190	5·8	170	6·5	165	7·4	165	8·6	165	10·9	170	10·8	180	8·9	205	7·3	230	8·1
6	50	1·5	---	...	155	1·6	165	4·3	170	4·2	185	3·6	180	4·0	225	4·2	290	4·5	280	4·8	275	6·2	275	6·1
7	290	8·5	300	7·2	300	6·2	(300)	6·1	(295)	5·4	(295)	4·5	(290)	4·5	270	5·9	260	5·3	250	5·5	225	6·6	215	7·9
8	220	3·4	275	3·9	275	4·1	275	5·0	260	4·5	240	5·1	240	5·9	295	5·6	305	6·0	305	7·4	305	7·2	315	8·5
9	10	7·4	10	6·1	15	6·4	5	5·9	15	5·5	360	4·7	355	6·5	360	7·1	360	8·6	5	7·2	355	7·1	355	6·7
10	210	6·6	220	8·1	225	10·1	260	8·1	290	5·7	280	6·0	290	7·4	305	7·9	300	6·8	300	7·6	295	7·6	300	8·1
11	220	11·4	230	13·5	250	12·6	265	12·8	280	9·9	315	10·0	325	10·2	325	9·9	325	9·3	315	8·1	300	7·7	300	7·5
12	260	5·0	245	4·0	240	3·9	220	4·5	225	5·1	210	4·2	230	7·7	260	9·9	265	8·5	270	8·0	270	7·3	270	6·6
13	230	5·6	230	5·7	245	6·2	240	5·9	225	5·5	230	5·7	230	5·7	230	5·6	235	5·4	225	5·0	225	6·2	230	7·5
14	230	6·0	225	5·5	225	5·4	220	5·0	220	4·4	235	4·9	220	4·3	225	5·2	230	5·8	225	6·3	225	7·5	235	7·5
15	190	3·1	190	3·8	180	3·0	180	3·0	175	3·1	180	2·9	175	3·5	175	4·3	180	4·0	180	4·4	185	4·4	180	4·2
16	80	1·3	55	1·8	70	1·5	35	2·3	45	2·4	30	1·4	100	1·6	70	5·5	75	4·4	70	4·2	50	3·9	60	5·2
17	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	---	...	265	1·7
18	345	4·0	350	6·9	340	5·0	330	4·6	340	3·2	320	2·8	305	2·4	295	3·2	350	4·9	20	4·2	15	3·5	25	4·7
19	60	4·8	60	4·5	40	2·3	55	1·4	60	1·8	65	2·1	75	3·2	110	1·3	---	...	50	2·1	20	5·0	20	5·5
20	60	6·6	60	6·6	50	7·5	50	7·5	60	6·7	50	6·6	60	8·4	65	9·1	70	9·5	60	8·7	50	10·1	50	11·2
21	60	8·5	65	6·7	85	4·0	80	4·4	85	5·1	75	5·1	85	4·2	85	3·8	80	3·9	75	5·8	60	4·6	55	4·8
22	80	7·4	80	7·5	80	6·9	70	4·9	70	4·2	80	2·0	55	1·8	75	2·9	50	3·1	60	3·5	65	6·6	70	7·4
23	80	1·3	45	1·6	60	2·8	60	2·4	30	4·0	20	5·0	25	4·1	45	3·6	40	2·2	15	1·5	340	2·8	320	2·1
24	55	2·4	55	1·2	---	...	55	1·4	130	3·0	185	4·9	195	3·8	215	5·4	220	6·3	230	7·3	225	7·9	225	8·1
25	260	8·3	260	8·0	270	7·9	265	7·6	265	7·9	270	8·0	265	9·1	270	8·1	275	8·5	285	8·7	315	8·0	(325)	6·6
26	5	7·0	5	4·2	10	4·0	5	8·2	10	6·2	5	7·6	15	8·3	15	7·8	5	7·3	360	8·8	360	8·7	350	9·4
27	25	7·8	10	8·9	20	8·4	25	7·1	30	6·6	25	7·3	30	6·1	60	4·2	60	4·3	60	5·6	30	5·4	20	6·1
28	65	2·9	135	1·0	90	1·4	65	1·2	---	...	---	...	70	1·2	65	1·3	---	...	---	...	---	...	290	1·5
29	90	4·4	90	2·3	20	1·4	55	2·2	50	3·5	60	3·0	65	2·6	55	3·0	45	2·3	60	5·1	60	6·9	70	8·1
30	60	7·0	70	6·6	70	6·2	70	6·7	85	5·4	80	3·7	80	3·2	60	7·3	70	7·4	70	8·0	50	6·6	45	7·6
Mean	---	5·5	---	5·2	---	5·1	---	5·3	---	5·0	---	5·1	---	5·3	---	5·8	---	5·8	---	6·0	---	6·4	---	6·8

422. Cahirciveen (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	35	9·4	40	12·4	30	11·5	35	13·6	40	11·4	45	10·0	30	11·3	30	11·2	40	11·6	35	11·0	45	10·9	35	11·7
2	150	1·4	---	...	---	...	320	4·8	315	4·7	310	4·8	295	5·4	300	5·8	325	5·3	335	8·0	335	8·2	330	8·4
3	360	3·1	355	3·1	345	4·4	335	6·0	335	6·6	340	6·6	330	5·1	340	7·3	355	6·8	355	7·1	350	9·0	360	8·9
4	115	1·9	110	1·7	60	2·8	60	2·4	70	1·7	65	1·7	60	2·5	---	...	---	...	---	...	190	1·6	180	3·6
5	---	...	50	1·9	75	1·8	---	...	---	...	65	1·2	50	2·3	55	1·8	50	2·1	55	2·2	55	1·0	170	2·7
6	170	3·6	175	3·2	175	2·5	180	3·3	195	3·6	190	4·7	195	5·1	200	5·5	220	6·7	215	6·6	220	8·2	235	8·4
7	225	5·8	210	5·5	215	7·2	215	7·6	205	7·1	210	8·1	205	8·4	210	10·3	215	10·9	205	10·8	210	13·3	210	13·7
8	265	5·7	270	7·8	265	7·2	275	7·4	270	3·9	285	3·2	200	2·8	345	1·3	---	...	270	4·7	270	3·5	310	4·3
9	305	5·4	310	5·0	320	4·9	320	5·0	320	5·0	325	4·7	310	5·0	305	5·9	305	5·1	310	4·1	280	4·3	270	5·5
10	40	2·6	65	3·5	70	4·4	65	1·0	50	3·2	45	4·0	35	3·8	35	3·5	10	2·8	20	1·7	340	3·2	335	5·4
11	330	1·8	335	2·4	340	2·5	325	2·8	330	1·9	330	1·2	320	1·3	330	1·4	---	...	330	1·2	---	...	320	1·2
12	---	...	---	...	---	...	75	1·1	---	...	---	...	---	...	---	...	120	1·0	210	2·9	275	5·8	330	7·2
13	300	10·2	300	10·7	295	10·8	300	11·0	300	9·7	295	9·8	300	10·0	295	10·1	305	8·9	300	8·7	295	9·0	300	7·5
14	30	3·5	25	2·1	5	4·8	360	5·5	350	10·0	350	9·5	350	10·0	350	11·2	350	9·9	350	10·2	350	10·7	345	10·5
15	350	8·9	350	7·7	355	7·6	355	6·9	345	5·7	335	6·4	335	4·8	315	4·0	305	4·2	300	3·0	300	3·9	290	4·6
16	310	6·5	320	5·1	310	4·8	300	4·3	285	2·5	290	2·3	260	1·4	250	1·3	---	...	180	2·8	205	4·0	250	5·0
17	325	7·5	320	6·3	320	6·1	325	5·3	300	5·7	315	3·5	305	4·5	290	1·4	270	1·6	210	3·2	210	4·4	210	6·7
18	300	10·1	300	10·7	305	11·6	300	11·5	315	10·8	330	11·2	340	10·9	340	9·0	330	7·5	335	7·1	330	6·9	325	7·5
19	55	1·6	50	1·6	---	...	150	4·1	150	5·7	150	6·9	150	8·0	160	8·7	160	10·1	165	9·6	165	10·2	170	11·7
20	210	4·7	220	5·0	235	5·2	235	5·2	225	4·5	235	5·2	245	5·9	270	4·2	260	1·4	---	...	245	1·2	275	2·4
21	75	5·0	50	1·2	40	1·0	155	1·0	---	...	55	1·1	---	...	20	1·2	20	1·0	---	...	---	...	---	...
22	35	2·1	60	1·0	---	...	---	...	135	1·0	175	1·6	140	1·4	230	3·6	240	3·5	235	3·7	220	4·3	260	6·9
23	210	6·2	180	5·2	210	3·5	190	3·2	200	2·9	---	...	---	...	145	1·2	170	3·1	175	3·4	165	3·5	170	3·7
24	125	2·7	230	7·0	260	8·8	260	8·5	265	8·2	270	9·2	275	9·4	275	9·1	280	8·8	285	9·0	295	10·6	295	9·5
25	145	1·4	180	3·0	185	3·7	185	4·6	185	4·5	180	6·6	180	7·0	180	6·3	185	7·3	185	8·0	180	8·1	220	6·0
26	265	9·1	275	9·5	280	9·3	280	8·7	290	8·3	280	8·6	300	8·1	300	7·9	295	7·2	300	7·6	295	7·6	295	7·9
27	280	7·3	275	9·1	290	7·3	290	6·5	265	6·2	240	5·3	245	7·4	215	5·9	215	8·5	260	7·8	210	3·7	35	2·5
28	360	9·0	360	9·1	5	8·0	10	8·1	5	7·8	5	7·0	5	6·0	10	7·1	10	6·4	30	5·5	20	5·6	25	6·0
29	40	1·0	60	2·2	55	2·3	145	2·1	180	5·1	185	6·2	210	8·1	225	10·0	225	10·3	230	10·8	250	10·8	265	11·1
30	325	11·6	325	12·5	320	12·4	325	12·1	325	14·0	335	13·6	340	11·9	335	12·0	330	11·5	330	12·5	330	13·6	325	12·9
31	345	11·1	350	10·8	350	9·1	340	9·1	350	6·8	10	4·8	15	2·9	---	...	---	...	50	1·2	150	2·5	170	4·1
Mean	---	5·2	---	5·4	---	5·4	---	5·6	---	5·5	---	5·5	---	5·6	---	5·5	---	5·4	---	5·7	---	6·1	---	6·7
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	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

September, 1932.

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	11·9	225	12·3	225	12·6	225	12·2	230	12·0	230	11·7	230	11·3	230	10·6	230	9·8	230	10·0	230	9·5	230	8·7	9·7	1
230	14·9	230	15·2	230	15·1	230	13·6	240	12·6	250	12·0	260	8·8	270	6·7	285	3·7	265	2·5	265	4·1	260	5·3	10·1	2
320	8·7	310	9·2	325	8·4	325	8·7	330	9·7	330	8·6	330	9·0	335	7·9	340	6·2	330	5·9	325	6·6	320	5·1	7·6	3
260	5·4	260	5·0	265	5·2	245	5·0	230	4·9	230	4·8	210	5·0	200	4·1	190	4·7	170	4·8	175	4·9	175	4·8	4·8	4
230	7·7	245	7·2	290	6·3	325	7·5	320	8·3	330	8·0	335	5·4	335	3·9	335	2·3	---	···	160	2·4	120	1·7	6·4	5
270	7·5	270	7·8	280	7·7	280	6·5	280	7·5	280	7·4	270	7·6	270	7·9	265	8·2	260	8·8	270	9·6	270	9·7	5·7	6
195	8·4	205	9·9	205	10·7	215	11·0	220	12·1	240	10·4	255	7·0	240	5·5	230	4·9	230	5·9	225	5·4	225	4·4	7·2	7
325	9·1	340	11·5	340	11·7	345	10·5	340	8·3	360	7·9	10	8·3	360	8·6	360	9·7	15	8·7	10	9·5	10	8·9	7·4	8
340	5·6	335	6·1	335	5·2	325	4·1	310	3·4	305	2·7	300	2·6	285	2·4	195	2·9	185	3·7	195	4·3	210	6·0	5·4	9
300	7·8	300	7·7	295	7·6	295	7·7	290	7·1	285	7·7	275	8·1	275	7·6	255	7·1	245	7·4	230	7·9	230	10·4	7·6	10
305	7·3	300	7·4	305	6·6	300	7·0	290	6·2	285	6·1	280	6·5	275	6·0	270	6·2	270	6·5	270	6·0	265	5·4	8·4	11
270	6·5	265	6·6	270	6·3	265	6·6	265	6·6	260	6·6	255	6·8	240	5·5	235	5·2	235	6·1	240	5·4	225	4·9	6·2	12
230	7·7	225	8·0	230	7·5	225	7·0	230	6·7	225	6·5	220	6·5	225	6·1	225	6·4	230	6·4	225	6·4	230	6·0	6·3	13
230	6·5	225	6·8	220	6·4	215	6·3	215	6·1	210	6·0	195	4·5	190	4·0	180	4·0	175	4·1	185	4·0	195	3·1	5·5	14
185	2·4	190	2·9	190	3·3	190	3·7	185	4·6	180	4·8	180	3·5	165	2·4	165	3·0	150	3·4	85	4·0	85	2·5	3·5	15
65	5·0	70	3·8	240	1·9	265	2·0	255	1·1	---	···	---	···	---	···	---	···	---	···	---	···	---	···	2·2	16
275	3·0	290	3·1	290	2·8	280	4·1	275	2·9	275	1·3	275	1·0	290	2·1	330	4·1	340	5·0	335	5·0	345	4·0	1·8	17
25	5·7	20	5·0	25	3·4	10	3·8	15	4·0	45	3·5	50	2·3	20	2·3	20	2·1	50	2·5	40	3·5	65	4·6	3·8	18
15	5·0	20	6·2	25	6·9	25	6·8	25	7·4	35	6·7	45	5·4	50	4·3	55	4·9	75	6·6	80	6·1	70	5·8	4·4	19
50	9·1	50	9·6	50	9·7	45	10·7	45	10·1	45	7·5	45	6·7	50	6·4	55	6·4	55	6·8	55	6·8	60	7·0	8·1	20
55	5·5	95	5·0	100	4·9	105	5·8	110	5·6	110	6·0	90	4·8	90	5·5	85	5·3	80	5·5	75	7·5	70	7·3	5·4	21
40	5·4	65	7·5	75	6·7	40	5·7	30	5·9	40	5·8	60	4·4	30	4·0	35	4·2	30	4·0	40	3·6	55	2·3	5·0	22
295	2·1	310	4·2	325	4·5	335	6·0	340	6·0	350	5·5	5	4·7	65	2·0	40	1·0	65	1·2	---	···	---	···	3·0	23
235	8·0	230	8·9	250	8·8	245	5·5	215	5·7	220	6·1	245	5·6	265	6·5	260	6·3	265	7·5	260	6·8	260	7·5	5·5	24
325	9·9	325	9·9	330	8·9	330	9·2	335	8·0	340	7·6	345	6·2	340	7·6	335	7·4	340	5·9	330	4·6	345	6·7	7·9	25
360	7·6	345	6·5	350	9·2	360	10·6	360	11·3	10	10·8	10	9·4	10	10·1	10	10·0	10	9·8	10	9·5	15	6·9	8·3	26
25	6·8	30	7·1	20	6·8	20	7·1	10	6·8	15	6·2	10	6·6	10	4·7	20	3·3	40	2·2	50	2·7	55	2·1	5·9	27
310	3·5	340	4·1	355	4·7	345	6·7	350	6·1	360	5·4	65	3·0	90	2·7	90	4·7	80	5·2	80	4·6	130	1·5	2·7	28
55	8·8	45	6·7	55	7·6	45	6·2	45	7·9	50	7·4	55	9·4	65	11·0	65	10·2	65	10·0	70	10·9	65	8·7	6·1	29
50	8·3	40	9·4	35	9·2	5	10·6	15	10·4	20	9·8	30	10·3	30	8·8	40	9·1	40	6·3	45	5·3	50	4·0	7·5	30
---	7·0	---	7·4	---	7·2	---	7·3	---	7·2	---	6·7	---	6·0	---	5·6	---	5·5	---	5·5	---	5·6	---	5·2	6·0	

October, 1932.

°	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	
25	9·7	25	10·3	30	9·1	330	8·8	25	10·3	35	7·2	30	6·3	25	5·5	25	4·7	50	3·2	45	3·4	120	2·0	9·1	1
330	8·8	335	8·7	340	9·3	345	8·1	350	8·6	350	7·9	345	7·0	355	5·6	355	5·4	355	4·4	350	5·2	360	4·0	5·8	2
20	8·0	25	7·9	25	7·6	20	7·4	10	6·5	15	5·1	10	4·5	60	2·0	75	2·0	70	1·9	---	···	60	2·2	5·4	3
180	5·0	175	4·9	175	4·7	185	3·7	215	2·5	200	2·2	160	2·7	150	2·6	135	1·8	115	2·3	115	2·5	110	1·5	2·4	4
215	3·6	270	3·0	305	3·5	305	2·4	275	2·1	240	3·7	240	1·8	---	···	---	···	180	2·1	190	2·4	175	3·1	1·9	5
225	8·4	220	8·6	225	8·4	220	8·5	220	9·4	220	10·0	240	7·9	215	5·6	220	5·9	220	6·7	230	6·7	220	6·6	6·3	6
210	15·5	230	7·5	220	6·6	235	7·7	250	8·7	245	8·8	240	8·6	250	7·8	235	7·0	245	7·9	230	6·5	255	6·3	8·7	7
300	4·2	305	5·1	305	4·3	300	5·1	310	5·3	300	4·9	330	5·3	320	4·3	320	5·0	310	4·2	310	4·0	305	4·8	4·6	8
265	5·0	280	5·2	265	3·9	230	3·1	210	3·4	150	4·2	65	1·9	40	1·0	---	···	50	1·4	60	1·9	30	1·1	3·9	9
345	5·7	345	6·7	335	6·7	325	6·3	325	5·5	320	3·7	305	4·0	320	3·6	325	4·6	325	3·6	325	3·1	---	···	3·9	10
285	1·4	300	2·0	325	2·5	340	2·3	10	1·7	15	1·8	---	···	---	···	---	···	---	···	---	···	---	···	1·4	11
335	5·6	310	4·0	305	5·4	290	5·3	270	6·7	245	6·4	230	5·9	235	8·5	230	11·4	265	10·6	300	10·6	305	9·7	4·5	12
290	8·0	295	6·7	295	7·1	310	6·5	290	5·4	280	8·1	305	5·9	310	3·0	---	···	---	···	30	1·0	50	3·0	7·3	13
340	11·2	340	11·1	340	11·2	345	11·4	345	11·6	350	10·9	350	10·7	350	10·0	360	9·3	350	9·8	350	10·0	350	8·7	9·2	14
275	4·5	265	5·2	260	6·3	255	6·0	235	4·5	245	4·6	220	4·2	220	5·2	225	5·6	255	6·8	280	5·8	310	5·3	5·6	15
275	3·1	280	6·4	275	6·7	270	8·2	265	8·1	270	8·2	285	6·3	295	7·4	305	8·6	310	8·9	315	8·2	320	8·4	5·3	16
200	7·0	220	9·1	230	10·3	230	10·9	235	10·8	245	10·7	235	10·9	240	11·0	265	11·5	275	9·4	290	9·9	300	10·7	7·4	17
315	5·8	315	5·1	315	5·5	315	4·7	325	4·4	325	3·6	330	2·4	---	···	---	···	---	···	---	···	55	1·3	6·4	18
190	11·9	195	11·7	200	12·5	210	12·3	235	9·5	250	6·7	230	4·8	220	4·2	220	4·8	220	5·2	220	5·0	230	4·8	7·1	19
310	2·1	330	1·7	---	···	---	···	30	1·5	55	2·9	50	2·3	45	3·5	45	3·2	55	6·3	60	9·0	65	6·5	3·5	20
---	···	---	···	340	1·5	35	1·7	20	2·8	45	1·5	50	1·3	355	1·8	35	2·5	15	2·9	55	2·1	35	1·9	1·6	21
240	8·5	240	8·6	235	7·8	230	7·4	225	8·0	215	6·4	210	6·7	210	6·5	205	5·2	240	6·7	200	5·1	195	6·0	4·6	22
200	2·1	275	1·9	275	4·2	275	3·4	245	3·0	195	2·6	180	3·2	170	4·3	135	3·5	110	4·0	95	2·8	60	2·1	3·2	23
315	8·4	320	4·4	320	4·0	355	5·0	355	6·4	360	5·7	360	4·5	360	1·5	330	1·8	---	···	230	2·0	200	2·7	6·1	24
235	5·6	230	7·1	230	7·2	235	7·2	250	9·1	250	9·0	250	8·2	255	9·2	255	9·9	250	9·3	250	9·0	255	9·3	6·8	25
295	6·9	300	8·3	305	8·5	300	7·7	290	7·0	290	5·1	290	5·2	275	6·0	250	6·2	270	9·0	280	6·8	270	5·6	7·7	26
350	8·2	5	14·0	10	12·4	355	12·9	355	11·2	355	10·0	350	10·7	355	9·2	355	10·8	360	9·1	360	8·5	360	9·3	8·4	27
345	5·8	25	6·7	350	7·2	35	6·5	20	5·1	5	5·0	10	5·0	15	3·6	10	3·4	15	1·5	---	···	55	1·0	5·9	28
290	9·3	285	8·8	285	9·1	295	11·1	300	10·0	300	10·6	305	10·7	300	11·2	310	10·9	310	10·7	315	10·6	320	11·4	8·3	29
320	11·7	325	11·8	330	12·4	325	12·0	330	11·4	325	11·7	325	10·0	330	12·0	330	12·7	330	12·5	335	13·0	340	12·3	12·2	30
180	4·8	175	5·7	175	5·3	130	2·9	130	1·8	145	3·8	160	4·8	170	4·3	170	5·2	165	6·5	215	4·2	220	1·3	5·0	31
---	6·7	---	6·7	---	6·8	---	6·7	---	6·5	---	6·2	---	5·6	---	5·2	---	5·3	---	5·4	---	5·2	---	5·0	5·8	
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.

423. Cahirciveen (Valentia Observatory):

H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	0 - 1		1 - 2		2 - 3		3 - 4		4 - 5		5 - 6		6 - 7		7 - 8		8 - 9		9 - 10		10 - 11		11 - 12	
Day.	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	190	2·1	175	4·0	180	4·7	230	5·5	230	6·0	230	6·8	225	6·8	240	7·4	260	8·1	270	5·9	265	5·7	265	5·4
2	205	9·7	205	9·7	230	10·4	235	9·8	235	7·9	235	8·1	225	8·1	225	6·6	205	7·1	205	6·9	210	9·6	210	9·4
3	185	8·5	185	8·8	185	8·9	185	10·4	180	10·5	190	10·3	185	11·5	185	10·7	190	10·2	185	10·4	190	11·0	190	11·4
4	290	5·1	340	6·7	355	8·9	15	8·7	20	8·6	30	5·5	15	6·0	10	4·9	5	5·9	360	7·5	350	8·4	355	7·6
5	5	4·4	30	3·0	30	5·5	50	3·6	55	2·5	70	1·9	75	2·3	---	···	70	1·4	55	1·5	55	3·6	55	4·8
6	45	2·9	75	3·1	90	3·9	90	3·1	90	7·0	80	7·8	75	6·2	80	4·8	355	2·6	75	3·1	85	4·1	110	7·8
7	55	2·9	75	2·3	90	2·1	90	1·5	100	4·9	100	4·1	130	3·4	100	4·1	30	1·3	35	1·0	60	1·8	90	4·2
8	80	6·1	85	5·1	90	4·5	85	4·5	90	4·7	85	4·6	95	5·8	105	6·8	115	6·3	120	4·8	95	5·2	120	4·5
9	90	3·4	90	2·6	---	···	120	2·6	90	4·5	90	4·5	80	3·3	95	2·9	95	2·9	---	···	---	···	---	···
10	70	1·2	75	1·7	60	2·7	75	1·1	55	3·0	70	1·5	60	1·5	60	3·1	50	1·8	95	3·1	110	4·7	130	5·6
11	145	13·5	150	11·9	150	12·4	145	11·8	145	11·3	140	11·9	135	12·6	140	13·0	135	12·5	135	11·2	145	14·4	145	14·1
12	145	9·4	145	9·3	140	8·0	110	7·0	105	8·4	110	7·6	110	7·6	110	9·1	105	10·4	110	9·2	110	9·9	115	11·2
13	115	10·8	115	9·8	110	9·6	110	9·0	110	9·3	110	8·4	120	9·7	110	9·6	110	8·9	125	7·3	120	8·1	115	8·6
14	105	5·1	95	4·4	80	2·3	85	2·6	90	2·7	85	2·0	80	1·9	90	2·0	95	3·0	90	4·4	80	4·7	60	3·1
15	65	3·2	70	3·9	70	4·2	45	3·1	55	2·7	70	2·7	60	4·0	55	4·6	50	5·9	60	6·1	50	6·6	45	7·2
16	70	6·5	65	6·4	70	4·6	65	5·1	70	5·9	90	7·7	85	7·0	80	6·5	85	5·9	90	6·0	90	6·2	100	5·6
17	105	7·7	100	9·4	95	10·9	95	8·6	100	8·8	105	7·4	100	7·4	100	6·0	105	7·5	105	8·1	105	8·6	100	7·2
18	85	5·1	90	6·5	100	7·1	105	6·9	100	6·1	90	4·9	85	4·5	75	4·7	75	4·3	70	5·0	270	1·9	340	1·1
19	20	2·1	10	6·0	25	6·1	45	7·4	70	4·0	30	2·0	60	3·0	65	3·5	70	3·3	70	2·7	65	2·3	50	1·9
20	200	5·8	210	8·0	210	8·2	210	8·3	220	9·2	245	10·0	300	5·8	290	4·2	290	3·8	305	5·4	305	5·3	295	4·9
21	310	5·0	315	5·4	(315)	6·0	(310)	6·0	310	5·2	315	4·9	310	5·7	305	5·3	300	5·7	300	5·6	325	3·4	310	5·4
22	230	9·0	235	8·1	245	9·5	250	10·0	250	9·7	250	10·2	255	10·3	250	10·6	250	12·7	260	14·2	265	11·8	280	9·2
23	280	9·7	275	9·9	290	9·9	290	9·0	290	8·9	295	8·5	285	9·6	290	9·4	295	9·6	295	9·7	290	9·0	295	8·6
24	295	7·5	285	6·6	290	7·2	320	6·4	315	5·2	295	6·1	290	6·0	300	7·5	295	6·5	295	6·5	280	4·7	265	6·0
25	270	8·8	270	6·5	260	6·4	255	7·8	260	8·8	265	8·3	265	7·4	265	6·4	255	6·5	245	6·8	225	6·6	205	7·6
26	230	10·3	225	11·5	230	12·2	245	10·2	255	10·9	265	9·8	260	11·1	260	11·0	265	11·1	265	11·2	270	11·7	270	12·8
27	305	9·8	310	8·1	305	9·7	305	10·2	315	10·7	325	9·9	330	9·9	345	9·9	350	10·1	345	11·8	355	10·9	345	12·1
28	300	4·6	280	4·6	270	6·3	265	5·0	260	5·4	265	5·7	275	5·2	305	2·7	285	3·0	275	2·0	245	1·8	260	2·8
29	220	6·7	215	7·0	200	6·6	200	8·1	205	8·0	205	9·8	205	10·1	205	9·7	200	10·0	205	10·3	205	10·3	210	11·1
30	290	2·9	255	2·8	205	3·0	170	2·3	---	···	180	2·7	60	1·8	125	2·5	175	5·4	175	5·7	190	5·0	190	5·3
Mean.	---	6·3	---	6·4	---	6·7	---	6·5	---	6·7	---	6·5	---	6·5	---	6·3	---	6·5	---	6·5	---	6·6	---	6·9

424. Cahirciveen (Valentia Observatory): H_a = 17 metres + 13 metres.

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	
	°	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	6·8	245	6·2	250	7·5	340	8·5	335	7·5	340	6·6	335	6·8	355	4·2	10	2·0	330	2·9	315	4·0	330	4·2
2	215	10·8	215	11·5	220	11·9	225	13·0	230	14·4	235	13·8	260	10·5	285	8·3	310	(4·4)	310	(4·3)	305	4·0	300	4·6
3	310	7·7	310	7·5	305	7·6	300	7·2	300	6·9	300	7·9	315	7·2	315	7·4	305	7·0	310	7·3	300	7·4	310	7·5
4	360	5·9	360	4·7	360	3·5	5	4·2	5	3·4	15	3·1	30	1·9	25	2·7	60	1·5	---	···	60	1·1	---	···
5	70	2·4	50	2·3	75	1·9	110	3·5	95	3·5	90	3·5	90	4·5	90	5·1	90	5·1	85	5·2	80	4·7	90	4·1
6	85	9·1	85	10·1	90	8·9	80	9·9	80	9·4	90	9·8	85	9·7	80	9·9	80	9·8	70	9·6	85	9·2	85	9·7
7	55	5·7	45	5·1	45	6·7	50	7·8	35	6·9	25	8·2	35	7·6	50	6·3	75	8·6	55	7·4	30	9·4	20	9·9
8	100	4·9	100	5·6	90	7·6	90	7·4	90	8·4	90	7·5	100	6·6	100	6·8	90	7·1	90	7·4	110	9·6	105	7·0
9	90	4·5	90	5·7	100	7·7	95	8·4	95	8·5	85	8·5	80	8·4	80	8·6	70	8·5	70	7·9	80	9·1	90	8·6
10	35	2·9	55	3·8	50	4·9	55	5·8	50	5·3	60	4·8	50	4·1	75	7·4	70	6·2	55	5·2	50	6·1	60	6·6
11	55	9·7	55	9·8	60	10·8	60	9·5	60	8·9	60	10·0	60	8·1	65	9·1	65	10·8	70	12·7	70	11·8	70	10·3
12	25	3·2	20	2·2	40	2·2	65	3·7	60	2·7	55	3·8	65	3·5	70	4·4	65	6·3	360	1·9	70	6·6	80	10·1
13	145	5·7	140	7·3	140	7·5	140	7·9	140	7·0	135	7·6	140	7·2	135	9·5	140	8·7	140	9·2	145	8·5	175	7·7
14	225	6·2	270	2·0	325	2·9	330	2·9	310	5·0	315	6·2	320	4·9	320	3·8	345	2·7	335	2·1	305	5·5	340	5·7
15	190	13·9	195	14·2	195	15·5	205	14·7	230	9·5	240	8·6	245	9·9	245	8·8	240	9·3	240	9·2	250	9·5	245	8·5
16	190	13·3	190	14·1	195	13·5	195	14·0	205	14·5	200	14·1	205	15·4	210	16·4	210	16·3	210	16·1	210	15·0	210	13·6
17	205	17·6	210	16·7	205	15·0	205	13·5	205	12·8	200	12·0	195	11·6	195	12·1	200	12·4	195	12·6	180	13·9	195	13·6
18	205	9·6	210	14·2	210	13·1	210	12·8	215	11·6	210	10·0	195	8·5	195	9·6	190	9·6	190	12·1	190	12·7	185	13·0
19	205	5·6	185	4·5	195	3·9	175	4·5	160	4·5	155	4·8	75	1·3	---	···	---	···	75	1·6	55	1·0	80	2·0
20	10	9·3	15	7·8	10	8·0	10	7·6	10	7·9	10	8·6	25	7·4	30	7·8	30	6·0	25	7·2	25	7·1	35	6·0
21	---	···	---	···	170	3·6	185	4·0	190	5·1	170	6·7	160	8·6	165	10·0	165	10·8	170	11·3	170	11·5	170	12·5
22	200	5·4	195	5·5	185	4·6	185	4·7	180	5·5	180	5·5	175	5·7	160	7·7	155	9·9	155	11·8	150	13·0	150	14·3
23	185	12·7	180	13·2	180	14·8	180	14·1	190	13·5	205	10·6	215	10·4	220	10·7	220	10·4	215	9·5	210	10·2	220	11·9
24	275	9·8	275	9·1	265	8·6	255	7·1	260	8·1	255	8·3	240	6·2	220	5·1	215	5·7	205	6·0	205	6·5	210	7·6
25	205	10·4	200	9·7	195	8·7	195	8·9	190	9·2	185	9·5	185	9·5	180	9·8	180	10·0	180	10·2	180	10·9	180	10·8
26	170	10·6	180	10·8	180	9·8	180	9·5	180	9·3	185	8·1	180	9·0	180	7·7	180	9·0	180	8·6	180	9·5	185	8·8
27	190	4·0	350	5·0	360	6·2	5	4·2	360	5·0	360	5·0	20	3·9	360	5·0	360	5·0	360	4·8	10	4·4	340	5·6
28	200	3·6	200	4·7	200	5·2	205	5·5	195	5·5	190	5·5	175	6·2	180	6·9	170	9·0	165	9·0	165	9·6	165	10·0
29	185	11·5	185	11·8	180	12·3	180	13·6	180	13·3	180	13·2	180	13·2	180	14·2	185	13·9	200	8·7	205	7·9	225	8·7
30	---	···	140	1·0	145	(3·0)	320	(1·8)	165	1·0	215	3·8	155	4·2	340	(3·0)	115	(3·0)	160	2·6	---	···	130	(3·0)
31	150	16·0	150	16·2	150	17·5	150	18·0	150	21·0	155	21·9	160	19·8	185	13·3	180	10·9	185	10·8	185	13·0	205	11·6
Mean.	---	7·7	---	7·9	---	8·2	---	8·3	---	8·2	---	8·3	---	7·8	---	7·8	---	7·8	---	7·6	---	8·2	---	8·3
Annual Mean.	---	5·1	---	5·0	---	5·1	---	5·2	---	5·1	---	5·1	---	5·1	---	5·3	---	5·5	---	5·7	---	6·0	---	6·4

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

November, 1932.

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	
260	5·5	260	6·5	250	7·0	220	5·3	220	6·7	225	7·8	225	7·0	220	9·2	220	8·8	205	9·3	210	9·7	215	9·8	6·5	1
210	9·8	210	10·1	210	10·8	210	10·8	210	11·2	205	11·7	210	11·8	210	12·4	205	12·7	200	11·4	190	9·2	190	9·1	9·8	2
190	11·8	190	11·7	190	11·9	185	11·5	185	12·1	190	13·9	190	15·0	225	12·5	280	5·1	260	3·1	230	4·1	265	6·1	10·1	3
350	8·5	350	8·8	360	7·2	355	8·5	350	9·4	350	7·5	355	5·4	350	5·6	355	3·4	355	3·4	30	2·8	30	1·9	6·6	4
60	4·8	110	4·4	125	3·6	5	2·5	65	2·0	80	1·7	55	2·5	55	2·9	65	1·8	30	1·9	90	2·0	85	2·2	2·8	5
105	7·2	90	5·7	90	4·8	75	5·2	95	5·0	110	6·9	90	4·9	95	5·7	95	4·6	90	4·1	85	3·7	80	3·9	4·9	6
65	4·5	65	3·7	110	5·0	95	4·0	100	3·5	85	3·9	85	4·0	75	3·5	70	4·8	80	6·1	80	5·6	85	4·8	3·6	7
130	4·5	150	4·6	155	5·8	135	5·5	120	3·7	120	4·1	120	4·4	110	4·4	110	3·9	120	3·6	130	3·7	100	3·4	4·8	8
---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	---	···	60	1·1	1·5	9
140	6·7	160	8·6	155	9·0	150	9·7	150	9·4	150	9·1	145	10·4	150	9·9	150	9·8	150	11·0	150	11·1	145	13·2	6·0	10
150	13·3	150	12·9	145	12·4	145	10·9	145	10·4	140	10·1	145	11·4	120	10·0	115	10·1	125	10·8	130	10·2	140	10·5	11·9	11
110	10·2	110	11·1	110	10·5	110	9·5	110	9·1	110	9·9	105	8·9	115	9·2	115	9·6	115	9·0	110	10·3	115	11·1	9·4	12
105	6·4	110	6·7	110	7·1	115	5·9	110	5·9	100	6·3	90	6·6	90	5·1	90	4·8	100	5·3	100	5·2	100	5·5	7·6	13
50	3·2	55	4·2	50	4·8	50	4·3	40	3·6	55	2·1	70	2·7	85	2·0	50	3·3	55	4·5	80	2·0	65	3·2	3·3	14
55	5·1	55	5·5	55	5·3	50	6·4	60	6·2	70	6·4	65	8·4	65	9·6	65	8·0	65	7·0	60	6·9	75	6·9	5·6	15
100	6·2	105	7·3	100	8·7	105	6·8	95	4·5	90	5·2	90	5·1	85	4·9	75	6·4	75	7·5	90	7·4	90	8·4	6·3	16
95	6·3	100	5·9	105	4·7	105	6·4	110	8·4	115	8·1	125	7·1	120	7·1	115	7·2	80	7·1	75	7·0	80	6·6	7·5	17
---	···	---	···	350	1·0	45	1·3	---	···	355	2·0	30	3·5	30	3·7	55	2·2	25	3·5	35	3·4	50	1·8	3·5	18
20	2·0	325	2·6	320	2·5	305	2·4	---	···	---	···	55	1·8	60	2·0	55	2·0	165	4·2	180	5·5	190	5·0	3·1	19
290	5·8	300	6·1	270	6·7	290	7·4	275	6·8	280	6·1	275	5·6	290	5·4	20	1·6	305	5·3	300	6·2	(310)	5·2	6·1	20
305	5·5	300	6·6	300	6·3	305	6·7	290	5·5	275	4·7	260	5·7	240	5·8	225	5·8	235	7·4	230	7·5	220	8·4	5·7	21
310	8·7	330	9·7	330	8·7	325	8·9	315	8·6	310	7·2	310	8·5	305	8·5	295	7·8	295	8·2	290	8·3	280	9·5	9·5	22
290	9·0	300	9·7	305	9·2	300	9·3	300	8·5	300	8·5	305	8·5	295	7·7	295	8·2	300	7·9	305	8·2	300	7·1	8·9	23
265	6·2	245	8·4	255	10·6	265	8·9	260	11·2	260	11·2	265	10·9	260	11·9	260	11·6	265	9·8	265	9·5	265	9·4	8·1	24
210	7·8	210	9·4	210	10·2	215	11·4	210	11·5	205	12·5	200	11·7	205	13·1	200	13·0	205	15·4	225	13·5	230	12·5	9·5	25
275	10·8	275	12·5	275	13·2	275	13·4	280	13·0	285	12·6	300	10·9	305	11·4	295	11·4	300	9·4	305	9·9	300	9·7	11·4	26
355	11·2	360	11·5	360	8·1	345	9·8	350	9·0	350	8·5	350	8·1	345	7·5	335	6·9	325	6·3	315	5·6	300	3·7	9·3	27
260	5·5	245	4·5	230	5·0	235	4·4	230	5·0	225	4·3	225	4·5	230	5·4	225	6·0	230	6·2	225	5·4	225	6·0	4·6	28
210	11·6	205	11·9	205	12·4	205	12·2	205	12·1	210	11·2	285	6·9	305	4·5	305	4·3	325	4·0	305	2·5	285	3·7	8·6	29
200	7·1	245	6·1	275	5·8	300	6·4	335	8·3	345	7·3	330	6·6	325	7·1	320	6·5	320	5·9	325	7·0	335	6·2	5·0	30
---	6·9	---	7·3	---	7·3	---	7·2	---	7·1	---	7·1	---	7·0	---	6·9	---	6·4	---	6·6	---	6·5	---	6·5	6·7	

December and Year, 1932.

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	
285	5·4	260	5·7	255	5·9	250	6·0	230	5·3	240	6·2	225	6·0	220	6·7	230	8·1	220	8·1	220	8·7	215	10·0	6·1	1
300	6·1	280	6·8	280	8·0	275	9·5	275	10·4	275	9·9	280	10·1	290	9·8	300	9·9	310	8·5	320	7·9	315	6·8	9·0	2
320	8·6	315	8·4	325	8·1	315	6·3	335	6·8	345	8·4	340	8·0	350	8·0	345	7·6	355	6·6	350	8·2	360	5·9	7·5	3
175	1·7	---	···	---	···	205	1·1	155	1·5	55	2·1	50	2·1	55	1·9	60	1·9	70	1·0	60	1·5	65	2·0	2·2	4
100	4·0	105	5·1	110	5·0	90	2·7	100	3·7	90	4·7	105	4·4	100	5·4	95	4·4	95	6·4	95	7·3	80	6·4	4·3	5
90	9·0	80	9·6	80	10·2	85	9·8	85	8·7	90	9·2	85	9·9	80	10·6	85	10·0	80	10·0	65	8·0	60	5·8	9·4	6
360	9·4	5	8·5	5	8·6	30	7·5	40	7·5	50	7·5	35	5·0	50	6·8	50	5·6	55	8·0	65	7·4	90	4·8	7·4	7
100	5·9	110	6·2	110	5·8	105	5·2	90	6·2	65	5·2	85	5·5	90	5·6	90	7·2	85	6·4	65	5·4	75	4·5	6·5	8
85	9·2	100	6·6	65	6·2	50	5·6	75	4·5	80	5·9	70	7·5	50	3·8	80	6·4	70	7·8	70	7·5	70	7·4	7·1	9
70	6·5	70	7·8	65	8·8	70	8·9	65	7·8	65	10·2	65	9·9	60	10·3	65	8·5	60	8·4	55	10·2	60	9·6	7·0	10
75	11·4	70	10·3	70	11·4	65	12·0	65	8·9	65	8·3	70	10·7	85	9·1	75	7·3	340	3·3	330	1·7	55	2·1	9·2	11
80	9·5	60	6·9	50	5·6	70	6·2	65	6·0	80	6·1	90	5·5	110	5·7	95	5·1	100	5·3	110	5·6	125	4·9	5·1	12
230	6·4	235	6·6	250	7·2	250	6·3	215	4·8	215	4·3	190	4·6	180	5·0	175	5·6	190	5·5	180	6·2	205	5·2	6·7	13
330	3·4	275	2·6	265	4·3	240	4·6	185	4·3	190	5·0	200	5·3	200	7·1	195	9·7	195	9·8	195	11·4	190	12·9	5·3	14
235	7·2	235	7·4	230	6·4	215	6·3	205	7·9	205	7·5	205	8·6	195	8·0	180	8·7	190	9·7	190	10·8	190	12·1	9·7	15
210	13·6	210	13·5	210	12·0	210	12·0	210	11·1	200	9·5	195	9·4	190	10·6	195	12·4	195	14·4	195	16·9	200	17·2	13·6	16
195	14·0	205	13·7	200	13·1	205	13·3	210	14·1	210	13·1	220	10·1	210	6·1	190	6·8	200	4·1	210	6·4	205	8·2	12·1	17
185	13·2	185	13·2	190	11·9	195	11·3	190	10·0	205	9·7	210	8·4	185	7·4	210	8·7	210	7·4	190	6·6	190	6·1	10·5	18
30	3·0	55	5·2	50	5·6	40	5·9	20	7·8	25	9·1	15	9·8	20	7·4	10	9·2	10	11·2	10	10·0	10	9·6	5·3	19
75	6·6	75	9·2	80	5·7	80	4·3	75	4·7	45	1·5	90	4·3	50	1·7	---	···	---	···	---	···	---	···	5·6	20
170	13·8	195	10·5	190	4·8	190	4·6	200	3·5	235	1·9	190	3·4	220	4·3	235	4·0	220	5·0	225	5·2	250	6·9	6·2	21
175	12·3	180	11·4	180	13·5	180	14·0	180	15·0	190	14·9	185	15·0	195	13·9	190	14·7	185	14·4	180	13·9	185	12·8	10·7	22
240	11·1	230	10·9	225	11·3	220	12·3	220	13·0	230	13·4	245	11·0	265	10·2	270	9·2	275	9·5	270	10·1	265	10·3	11·5	23
210	8·6	210	8·8	215	9·1	205	8·1	195	7·4	190	7·8	195	8·2	195	7·6	190	9·1	205	7·7	200	8·4	205	8·6	7·8	24
175	10·9	180	10·9	180	11·0	180	11·2	180	11·8	180	12·3	180	12·2	180	11·9	180	11·0	180	11·2	180	10·1	180	10·0	10·5	25
185	9·3	180	8·9	180	8·8	180	8·7	175	9·2	175	10·0	165	9·6	175	8·5	175	7·6	185	7·2	190	6·4	190	6·1	8·9	26
5	5·4	5	5·3	335	4·2	325	3·7	325	1·7	---	···	---	···	70	2·1	100	1·8	185	1·6	185	3·3	180	4·6	3·9	27
200	10·9	205	11·8	205	(7·9)	195	7·9	190	9·6	190	9·2	195	9·2	195	9·6	195	11·4	195	12·0	190	10·5	190	11·4	8·3	28
235	8·5	245	8·0	265	7·6	250	7·1	235	5·6	255	5·6	255	5·5	255	5·2	200	3·2	205	3·1	215	1·4	---	···	8·7	29
160	4·8	165	4·9	155	4·7	155	4·7	150	5·3	140	6·1	140	7·4	140	9·3	150	9·0	145	11·8	140	13·1	145	13·6	4·8	30
200	10·0	210	10·1	215	10·6	215	10·0	225	9·6	225	8·9	220	6·4	220	6·9	230	7·2	215	7·4	210	7·6	235	8·5	12·3	31
---	8·4	---	8·2	---	7·9	---	7·6	---	7·5	---	7·5	---	7·5	---	7·3	---	7·5	---	7·5	---	7·7	---	7·6	7·8	
---	6·6	---	6·7	---	6·6	---	6·6	---	6·4	---	6·2	---	5·9	---	5·6	---	5·3	---	5·2	---	5·2	---	5·1	5·7	

425. Cahirciveen (Valentia Observatory): H_a = 17 metres + 13 metres. 1932.

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	19	23 25	8	22 25	20	13 40	22	15 35	13	9 10	13	1 40	19	13 40	15	9 25	20	13 00	22	3 55	17	22 25	15	24 00
2	22	21 25	9	3 20	14	19 55	19	19 20	8	14 40	6	12 55	18	15 50	13	17 35	26	13 40	14	9 50	21	20 30	23	5 25
3	22	12 50	8	7 15	18	12 30	19	3 20	13	7 45	8	12 00	19	15 35	9	14 25	18	13 00	14	11 10	24	17 15	21	13 25
4	31	12 50	12	22 20	10	4 40	17	3 35	11	14 35	10	18 05	15	2 25	9	0 45	12	2 20	8	12 30	16	14 30	11	0 20
5	26	7 50	13	10 25	19	17 20	15	13 55	15	19 50	9	11 40	13	13 45	10	21 55	18	7 55	7	11 55	11	2 30		
6	21	6 00	17	18 10	22	5 20	23	16 20	13	16 00	9	15 25	9	7 40	15	9 35	16	23 10	16	17 30	13	11 30	25	15 00
7	13	1 35	14	14 55	15	13 20	27	20 40	10	15 10	8	13 50	12	16 35	11	12 55	20	17 00	25	12 45	10	4 05	26	22 10
8	12	24 00	11	3 05	14	9 10	17	3 15	11	23 35	15	13 15	12	15 10	9	14 40	19	14 20	15	5 00	12	9 15	22	9 55
9	25	7 05	15	20 40	12	2 10	24	14 30	19	6 45	15	15 40	11	20 30	10	18 35	13	8 50	12	4 10	8	5 15	20	3 10
10	22	3 15	27	16 40	10	11 15	23	5 20	19	17 35	14	5 30	12	5 10	13	16 45	17	11 05	13	13 10	25	23 20	18	22 55
11	16	3 30	19	7 00	13	12 00	28	3 40	19	17 00	7	14 00	14	21 10	14	10 05	21	3 10	7	1 10	27	6 40	21	12 35
12	21	13 15	15	15 10	13	12 45	15	3 00	15	19 00	8	23 45	14	9 35	14	9 20	16	7 25	27	21 35	23	23 25	17	12 25
13	30	14 05	12	21 15	17	8 45	27	17 45	18	12 20	8	0 05	11	15 25	12	0 45	14	13 45	27	0 10	20	0 25	16	5 35
14	27	11 20	13	13 15	17	14 55	20	0 40	17	8 25	6	16 15	16	8 20	12	14 45	12	11 25	19	11 25	10	0 10	23	23 40
15	25	(17·30)	6	22 50	15	6 05	13	15 30	9	0 20	6	14 55	9	21 40	9	2 50	9	17 45	13	1 05	15	19 15	26	3 40
16	29	8 25	8	2 45	10	1 30	17	22 10	9	14 50	12	14 15	17	15 55	6	11 40	9	7 15	17	21 10	16	23 15	28	22 15
17	24	23 30	10	22 25	6	12 55	16	11 45	26	14 05	9	11 55	16	22 20	6	12 50	8	22 40	23	19 50	20	4 15	29	0 40
18	24	6 25	9	20 45	7	14 05	11	11 10	18	14 05	8	12 50	12	0 35	7	14 05	11	1 30	23	2 10	11	2 30	23	10 15
19	21	1 50	8	17 50	10	16 15	14	19 30	23	15 00	7	15 00	10	13 30	20	23 15	12	16 45	22	15 05	13	3 20	17	21 05
20	14	22 05	11	13 00	14	23 30	18	10 20	18	0 05	9	2 05	11	19 40	18	9 15	19	11 40	14	23 00	19	5 40	15	0 15
21	14	1 55	7	15 45	12	0 05	13	16 25	10	14 45	10	16 40	12	3 10	14	1 30	16	0 40	9	0 30	16	22 00	24	12 30
22	15	19 50	8	12 25	11	10 55	14	18 35	14	15 05	13	16 35	14	16 15	12	23 50	13	13 50	14	12 50	23	9 45	26	16 40
23	18	7 35	9	18 30	14	21 45	15	1 45	13	3 55	11	16 40	10	19 50	18	14 35	11	5 35	13	0 25	20	9 10	25	3 40
24	17	6 00	17	10 50	21	22 50	8	14 50	16	13 20	11	15 55	13	18 30	15	0 00	16	21 50	20	10 25	20	14 30	17	21 45
25	10	19 50	13	9 35	26	10 30	13	15 20	15	15 45	9	5 05	18	22 30	16	1 00	17	13 05	18	23 45	26	21 50	22	16 25
26	12	5 30	13	19 00	30	24 00	7	15 45	12	7 55	13	12 10	17	1 05	14	9 20	19	12 20	19	20 30	25	14 05	19	0 50
27	9	3 05	10	12 30	29	0 20	12	7 40	12	22 00	9	1 55	19	5 20	8	0 10	16	1 55	23	13 40	24	4 05	12	2 05
28	10	12 05	15	20 35	17	16 00	11	14 15	13	11 30	9	16 30	13	22 55	9	11 45	10	16 00	20	1 10	14	4 05	22	21 55
29	9	3 35	15	13 45	21	8 45	13	15 10	12	13 05	17	8 15	17	15 25	9	20 55	20	23 15	23	18 45	19	13 30	22	7 15
30	5	13 30	--	-- --	11	8 40	14	15 15	23	16 20	13	11 05	13	2 10	13	10 10	18	16 55	26	4 15	19	18 20	25	24 00
31	3	2 25	--	-- --	17	19 20	--	-- --	26	17 35	--	-- --	12	11 55	13	13 25	--	-- --	17	0 35	--	-- --	43	4 35

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

426. Cahirciveen (Valentia Observatory): H_a = 17 metres + 13 metres. 1932.

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/s.	day.	h.	m.
Jan. ...	13, 14, 16,	5	17	194	269	191	85	0	200	17	14 15	31	4	12	50
Feb. ...	--	0	0	0	160	426	110	0	70	10	11 7	27	10	16	40
Mar. ...	--	0	6	33	314	327	70	0	150	17	23 26	30	26	24	00
Apr. ...	--	0	8	60	348	239	73	0	255	15	6 17	28	11	3	40
May ...	--	0	7	28	391	253	72	0	205	13	19 15	26	31	17	35
June ...	--	0	0	0	157	315	248	0	180	10	29 13	17	29	8	15
July ...	--	0	3	6	322	368	48	0	355	12	16 17	19	3	15	35
Aug. ...	--	0	0	0	223	364	157	0	60	10	20 9	20	19	23	15
Sept. ...	--	0	9	32	382	254	52	0	230	15	2 13	26	2	13	40
Oct. ...	--	0	12	77	296	271	100	0	210	15	7 13	27	13	0	10
Nov. ...	--	0	13	92	360	233	35	0	205	15	25 22	27	11	6	40
Dec. ...	16, 17, 31,	7	17	140	401	167	29	0	155	22	31 6	43	31	4	35
Year. ...	6 Days.	12	92	662	3623	3408	1079	0	155	22	Dec. 31 6	43	Dec. 31	4	35

427. Cahirciveen (Valentia Observatory). Readings, in degrees absolute, at 9h Greenwich Mean Time. 1932.

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

428. Cahirciveen (Valentia Observatory). Readings in degrees absolute. 1932.

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

429. Cahirciveen (Valentia Observatory). January, 1932.

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St:St-Cu.	St:Nb.	10	10	9	10	10	10	h	h	J	h	h	G	●^{0}	●	...	●^{0}	d	d_0	i●^{0} *a* and *p* : d p● *n*.
2	St:Nb.	St.	St.	10	10	10	10	10	10	J	I	h	J	J	h	●	d	d_0	...	...	d_0	d_0●d *a* : id_0 *p* : id_0 ● *n*.
3	St.	St:Nb.	St:St-Cu.	10	10	9	9	9	10	J	J	J	J	J	J	...	...	...	...	...	d_0	o● to bc *a* : c *p* : id_0 *n*.
4	St.	St:Nb:A-St.	Cu.	10	10	10	9	2	3	J	J	J	k	k	l	...	...	●	...	...	...	id_0 to c *a* : ● to bc *p* : bc *n*.
5	St:Nb.	St:Nb:St-Cu.	St:St-Cu.	10	10	10	10	9	10	J	I	J	h	J	k	●	●^{0}	...	●^{0}	...	...	Continuous ● to c *a* : i● *p* and *n*.
6	St:Nb.	St:Nb:St-Cu.	St:Cu:St-Cu.	10	10	9	9	4	7	J	J	k	l	l	l	●	...	...	...	...	...	● ●^{2} *a* : vi●^{0} to bc *p* : p●^{0} *n*.
7	Cu:Nb:A-St.	St:St-Cu:A-St.	St:Nb.	10	9	9	8	9	4	k	l	l	l	l	l	●^{0}	●^{0}	●^{0}	...	●	...	i ●^{0} p ●^{2} p ●^{0} *a* : p ● *p* and *n*.
8	Cu:St-Cu.	Cu:St-Cu.	St:Nb:St-Cu:Ci.	3	5	4	7	7	3	l	m	m	l	l	l	...	...	...	...	...	...	p ● to bc *a* : p ●^{0} bc *p* : i● to bc *n*.
9	St:Nb.	St:Nb	St:Nb:Ci.	10	10	10	10	5	7	J	h	k	k	k	k	●	●	...	...	...	...	Continuous ● to c *a* : ●^{0} to p ●^{0} *p* : bc to p ● *n*.
10	Cu:St-Cu	Cu:St-Cu:Ci-Cu:Ci	Cu-Nb:Nb:St-Cu.	3	3	5	6	6	9	l	l	l	l	l	k	...	...	...	...	●^{0}	●	p ●^{2} to bc *a* : p ● p ●^{0} *p* and *n*.
11	Cu-Nb:Cu.	Cu:St-Cu:Ci.	Cu:Nb:Ci.	5	9	3	6	3	2	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} p ●^{2} to c *a* : bc *p* : p ▲● to b *n*.
12	St-Cu:Ci-St.	St:Nb.	St:Nb.	9	10	10	10	10	10	l	J	I	I	h	J	...	●^{0}	●^{2}	●	d_0	●^{0}	p ●^{0} to ●^{0} *a* : continuous ●^{2} to d_0 *p* : i ●^{0} ●^{2} *n*.
13	Cu-Nb:Nb.	Cu-Nb:Cu:St-Cu:Ci.	Cu-Nb:Cu:St-Cu	8	4	6	7	5	4	k	l	l	l	l	l	...	...	...	...	...	...	p ●▲☈ *a* : p ●▲^{0} q *p* : p ▲^{0} to bc *n*.
14	St:St:Cu:A-St.	St:Nb:St-Cu.	Nb.	10	10	10	10	10	9	k	k	J	I	I	l	...	...	...	●	●	...	p ●^{2}q to c ↼ *a* : ↼ ☈ continuous ●^{2} *p* : ☈ p ●^{2} *n*.
15	Cu-Nb:St-Cu.	St:Nb:A-St	St:Nb.	4	5	10	10	10	10	l	l	I	J	J	h	...	...	●^{0}	...	...	●^{0}	p ●^{2} to bc *a* : i ●^{0} to c *p* and *n*.
16	St.	St:St-Cu.	St:Nb:A-St.	10	10	7	9	10	6	J	I	k	k	I	l	d_0	●	...	...	●^{2}	...	d_0 ● to c ↼ *a* : c to ●^{2} *p* : p ●^{2} to bcq *n*.
17	Cu:St-Cu.	St:Nb.	St:Nb.	2	10	10	10	10	9	l	J	h	J	I	J	...	...	●^{0}	●^{0}	●^{0}	●^{0}	p ● to b to i ●^{0} *a* : i ●^{0} *p* : i ●^{0} p ●^{0} *n*.
18	St.	St:St-Cu.	St:St-Cu.	10	9	10	9	10	10	I	J	I	J	J	J	●^{0}	...	d	...	d_0	...	●^{0} to id_0 *a* : id_0 to c *p* : oid_0 *n*.
19	St:St-Cu.	St:St-Cu.	St.	10	9	10	10	10	10	k	k	J	k	h	G	...	...	...	...	d	●^{0}	id_0 to c *a* : id_0 to ●^{0} *p* : continuous d ●^{0} to i ● *n*.
20	St:St-Cu.	St:Cu:St-Cu:A-Cu.	St.	9	4	6	10	10	10	l	l	l	h	I	I	...	...	...	d	...	d_0	i ● to b *a* : bc to continuous d *p* : oid_0 *n*.
21	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	10	10	10	10	J	l	I	k	J	J	d_0	...	d	...	d_0	...	id_0 to p●^{0} to c *a* : id to c *p* : id_0 i●^{0} *n*.
22	Cu:St-Cu:A-Cu.	St:Cu:St-Cu.	St:St-Cu.	3	8	7	9	10	10	l	l	k	l	J	J	...	...	...	...	d_0	●^{0}	bc to c *a* : c to id_0 *p* : id_0 i●^{0} to c *n*.
23	St:St-Cu:A-Cu.	St:St-Cu.	St:St-Cu.	9	9	10	10	10	10	l	l	k	k	J	I	...	...	...	...	d_0	d	c *a* : id_0 *p* : i●^{0} id continuous d *n*.
24	St:Nb.	St:Nb.	Cu.	10	9	10	9	5	3	I	k	k	J	l	l	●^{0}	...	●	●^{0}	...	...	p ●^{0} to c *a* : ●^{2} to i●^{0} to bc *p* : c to bc *n*.
25	Cu:St-Cu.	Ci.	Ci.	9	1	1	1	1	2	l	l	m	m	m	m	...	...	...	...	...	...	Fine : vy *p*.
26	St-Cu.	St-Cu.	St-Cu.	9	9	9	9	7	8	l	l	l	l	l	l	...	...	...	...	...	...	Cloudy all day.
27	St:St-Cu.	St-Cu.	St:St-Cu.	10	10	9	9	9	10	k	k	k	k	k	k	...	...	...	...	...	...	Cloudy to overcast all day.
28	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	9	10	10	10	10	k	k	k	k	k	k	...	...	...	...	...	...	Cloudy all day.
29	St:St-Cu.	St:St-Cu.	Cu:St-Cu:Ci.	10	10	9	9	7	5	l	k	k	l	l	l	...	...	...	...	...	...	c *a* and *p* : c to bc *n*.
30	St-Cu:A-Cu.	St-Cu.	St-Cu.	6	6	4	4	1	4	k	k	l	l	l	l	...	...	...	...	...	...	⌓ bc to c *a* : bc to b *p* : bc ⌓ *n*.
31	St-Cu.	St-Cu.	St-Cu.	10	9	9	9	9	9	l	l	l	l	l	l	...	...	...	...	...	...	⌓ bc to c *a* : c *p* and *n*.
Mean Cloud Am'nt.				8·3	8·3	8·2	8·6	7·7	7·5													

430. Cahirciveen (Valentia Observatory). February, 1932.

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St-Cu.	St-Cu.	St-Cu.	9	9	9	9	9	7	l	l	l	l	l	l	...	...	...	...	...	...	c *a* and *p* : c to bc *n*.
2	St-Cu.	St-Cu.	St:St-Cu.	1	2	8	9	9	3	l	l	m	m	l	l	...	...	...	...	...	...	b ⌓ to bc *a* : c *p* : c to bc *n*.
3	St-Cu.	St:Cu:A-Cu:Ci.	St-Cu:Ci.	5	5	6	7	7	3	l	l	l	l	l	l	...	...	...	...	...	...	bc *a* : bvy to c *p* : c to b *n*.
4	St-Cu.	St:St-Cu.	St:St-Cu.	9	9	9	9	9	10	l	l	l	l	l	k	...	...	...	...	...	●^{0}	c *a* : p ●^{0} to c *p* : i ●^{0} *n*.
5	St-Cu.	St-Cu.	Fr-Cu:St-Cu:Ci.	2	6	9	9	4	9	l	l	l	k	k	k	...	...	...	...	...	...	i ●^{0} to bc *a* : c ⊕ *p* : c to bc *n*.
6	Cu:St-Cu:A-Cu.	St:St-Cu.	St:St-Cu.	8	9	9	9	10	10	k	l	l	k	k	J	...	...	...	...	...	●^{0}	bc to c to p●^{0} *a* : c *p* : ● ●^{0} i ●^{2} *n*.
7	St:St-Cu.	Nb:St-Cu.	St:St-Cu.	9	9	9	6	7	9	k	k	k	l	l	k	...	●^{0}	●^{0}	...	...	...	i ●^{0} *a* : i ●^{0} to bc *p* : c *n*.
8	St:St-Cu.	St-Cu.	St:St-Cu.	9	2	8	5	10	10	J	k	k	k	k	k	...	...	...	...	...	...	c to b *a* : bc to c *p* : c *n*.
9	St-Cu.	St-Cu.	St:St-Cu.	4	5	6	9	10	10	l	l	l	l	l	l	...	...	...	...	...	...	c to bc *a* : bc to c *p* : c *n*.
10	St:St-Cu.	Cu:St-Cu.	Cu.	10	4	6	9	1	1	k	k	l	l	l	l	...	...	...	✱^{0}	...	...	c to b *a* : bcy to i ✱^{0} *p* : b *n*.
11	St-Cu.	Cu:St-Cu:Ci.	St:St-Cu.	3	4	3	6	8	9	l	l	l	l	k	k	...	...	...	...	...	...	Fair *a* and *p* : bc to c *n*.
12	St-Cu.	Cu:St-Cu.	St:St-Cu.	8	7	4	3	7	1	l	l	l	l	l	l	...	...	...	...	...	...	c to bc *a* : bc *p* : b to c *n*.
13	St-Cu.	St-Cu.	St-Cu.	9	4	2	7	6	9	l	l	l	l	l	l	...	...	...	...	...	...	Fair : y *p*.
14	St-Cu.	Cu:St-Cu.	Fr-Cu.	3	5	1	1	1	1	l	l	l	l	l	l	...	...	...	...	...	...	Fine : y *p*.
15	St-Cu.	St-Cu.	St-Cu.	10	9	4	7	7	1	l	l	l	m	m	l	...	...	...	...	...	...	bc to c *a* : bcy to cvy *p* : fine *n*.
16	St-Cu.	St-Cu.	St-Cu.	9	9	9	10	1	0	l	m	m	m	l	l	...	...	...	...	...	...	b to cv *a* : cvy to b *p* : fine ⊔ *n*.
17	St-Cu.	Cu:St-Cu.	St-Cu.	9	10	7	6	5	8	l	l	k	k	k	k	...	...	...	...	...	...	b ⊔ to c *a* : c to bc *p* : c *n*.
18	St-Cu.	St-Cu.	St-Cu.	10	9	10	9	8	0	k	k	k	k	k	J	...	...	...	...	...	...	c to o *a* and *p* : c to b ⊔ *n*.
19	St-Cu:Ci.	A-Cu.	---	1	4	1	0	0	0	k	k	k	k	J	J	...	...	...	...	...	...	Fine : ⊔ early *a* and *n*.
20	St-Cu:Ci.	St-Cu.	St-Cu.	1	2	7	0	10	10	J	k	k	J	J	J	...	...	...	...	...	...	b ⊔ to cy *a* : cy to o *p* : o to c *n*.
21	St-Cu.	Cu:St-Cu.	Cu:St-Cu.	9	4	3	3	7	9	l	l	l	k	J	J	...	...	...	...	...	...	Fair all day.
22	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	k	k	k	k	k	k	...	...	...	...	...	...	Cloudy to overcast : y *p*.
23	St-Cu.	St-Cu.	St:St-Cu.	9	9	9	9	9	10	k	k	l	l	l	l	...	...	...	...	...	...	Cloudy all day.
24	Cu:St-Cu:A-Cu.	St:St-Cu.	St:St-Cu.	6	5	7	8	4	4	l	l	l	l	l	l	...	...	...	...	...	...	p ● to bc *a* : c to bc *p* : bc *n*.
25	Cu:St-Cu.	St:St-Cu.	St:St-Cu.	4	9	9	8	7	3	k	k	k	k	l	l	...	...	...	...	...	...	Fair to cloudy : y *p*.
26	St-Cu.	St-Cu.	St:St-Cu.	10	9	10	10	9	10	k	k	k	k	l	l	...	...	...	...	...	...	c to o all day.
27	St-Cu.	St-Cu.	St-Cu.	10	10	9	10	9	10	k	k	J	J	k	k	...	...	...	...	...	...	c to o : y *p*.
28	St-Cu.	Cu:St-Cu.	Fr-Cu.	2	8	9	4	1	0	J	J	k	k	l	l	...	...	...	...	...	...	b ⊔ to c *a* : c to bcy *p* : by *n*.
29	St-Cu.	St:St-Cu.	St:St-Cu.	10	10	9	9	9	9	l	k	k	l	k	k	...	...	...	...	...	...	by to ci ✱^{0} *a* : cy *p* : c *n*.
Mean Cloud Am'nt.				6·9	6·8	7·0	6·9	6·8	6·1													
Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 287.

431. Cahirciveen (Valentia Observatory). March, 1932.

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-Cu.	Cu:St-Cu.	Cu:St-Cu.	9	7	6	4	3	1	k	k	l	l	l	l	...	...	...	...	...	...	c *a* : bcy *p* : bcy to b⊔ *n*.
2	St-Cu:Ci.	St-Cu:A-Cu.	A-Cu.	3	9	9	10	7	4	k	k	k	k	k	k	...	...	...	...	...	...	b⊔ to cy *a* : cy to c *p* : cy to bc *n*.
3	St-Cu:Ci.	St-Cu.	Cu:St-Cu:A-Cu.	4	6	5	5	6	0	k	k	l	l	l	l	...	...	...	...	...	...	Fair to fine : y *a* and *p*.
4	Ci.	Cu:Fr-Cu:Ci.	St-Cu:Ci.	1	1	3	5	7	7	m	m	m	m	m	k	...	...	...	...	...	d$_0$	Fine *a* and *p* : v *a* : vy *p* : id$_0$ *n*.
5	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	9	8	5	4	9	l	k	l	k	k	k	...	...	...	...	...	...	p ● all day.
6	St:St-Cu.	Cu:St-Cu.	St:St-Cu:Ci.	6	9	8	3	9	3	k	k	k	k	l	l	...	●	...	...	...	...	p ● p ●^{0} : q *p*.
7	St.	Cu:St-Cu:A-St:Ci-St	St:St-Cu.	6	9	9	9	9	9	l	k	l	l	l	l	...	...	...	...	...	...	p ● to bc *a* : ⊕ 9h : p ● *p* : c to bc *n*.
8	St:St-Cu.	St.	St.	10	10	10	10	10	10	I	h	I	G	D	J	●^{0}	●^{0}	●^{0}	d$_0$	d	...	i ●^{0} to continuous ●^{0} *a* : d f *p* : f to o *n*.
9	St:St-Cu:Ci.	Cu:St-Cu:A-Cu.	St:Ci-Cu:Ci.	6	7	7	6	3	0	k	l	l	m	m	m	...	...	...	...	...	...	Fair : vy *p*.
10	Fr-Cu.	Fr-Cu.	---	1	0	1	1	0	1	l	l	m	m	m	m	...	...	...	...	...	...	Fine all day : ⊔ *a* : vy *p*.
11	Cu.	Cu:St-Cu.	St-Cu:Ci.	1	1	5	4	4	1	m	m	m	m	m	m	...	...	...	...	...	...	Fine : ⊔ early *a* : vy *a* and *p*.
12	St-Cu.	Cu:St-Cu.	Fr-Cu:A-Cu.	3	4	3	2	1	1	k	J	l	l	l	l	...	...	...	...	...	...	Fine : y *p* and *n*.
13	Cu:St-Cu:Ci.	Cu:A-Cu:Ci-Cu:Ci.	Cu:A-Cu:Ci-St:Ci.	7	9	6	5	6	2	l	l	k	k	k	k	...	...	...	...	...	...	Fine : y *p* and *n*.
14	Ci-Cu:Ci.	Ci.	Ci.	5	3	3	3	1	0	l	k	k	k	k	k	...	...	...	...	...	...	Fine : y all day.
15	A-Cu.	Ci.	A-Cu.	1	2	1	1	1	1	k	k	k	k	k	k	...	...	...	...	...	...	Fine : y all day.
16	A-Cu.	A-Cu.	---	1	1	1	0	0	0	l	l	k	J	J	J	...	...	...	...	...	...	Fine : ⌓ *n*.
17	St:St-Cu.	St:St-Cu.	---	10	4	2	0	0	0	F	h	h	h	h	h	...	...	...	...	...	...	Fine : ⌓ fe early *a* : z$_0$ *a*, *p* and *n*.
18	St-Cu.	St-Cu.	St-Cu.	10	9	9	9	9	10	h	h	I	I	I	I	...	...	...	...	...	...	Cloudy to overcast : z$_0$ all day.
19	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	k	k	k	k	J	J	...	...	...	...	...	...	Mainly overcast.
20	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	10	10	10	J	J	J	I	I	J	...	...	...	...	d$_0$	●^{0}	c *a* : c to id$_0$ *p* : id$_0$ i ● ●^{0} *n*.
21	St:Nb.	St.	St.	10	10	10	10	10	10	G	h	F	h	J	h	●	d$_0$	d	...	...	d$_0$	i ● to id$_0$ *a* : id f to o *p* : oid$_0$ *n*.
22	Cu:St-Cu.	St-Cu.	Fr-St:St-Cu.	2	7	9	2	4	8	l	l	l	l	l	l	...	...	...	...	...	...	i ● p ●^{2} early *a* otherwise fair to fine. [*n*.
23	St:St-Cu:A-St.	St:St-Cu:A-St.	St:St-Cu:A-St.	10	10	10	10	10	10	l	l	l	k	k	J	...	...	●^{0}	●^{0}	●^{0}	●^{0}	p ●^{0} to c *a* : i ●^{0} to continuous ●^{0} *p* : continuous ●^{0}
24	St.	St:St-Cu.	St:St-Cu:A-St:Ci.	10	9	9	9	9	10	h	J	k	k	k	J	d	...	d$_0$	...	...	●^{0}	i ●^{0} d to id$_0$ *a* : id$_0$ *p* : i ●^{0} *n*.
25	St:Nb:St-Cu.	St:Nb.	Cu:St-Cu:A-Cu:Ci.	10	10	10	10	9	1	I	I	I	k	k	l	●	●	●	...	...	...	Continuous ● *a* : i ● *p* : p ●^{0} to b *n*.
26	St:Cu:Nb:A-Cu.	Cu:St-Cu:Ci..	Cu:St-Cu:A-St:Ci.	9	8	3	7	9	10	k	k	l	l	l	k	●^{0}	●^{0}	...	...	...	...	p ●^{0} *a* : bcy *p* : c to continuous ●^{2} *n*.
27	Cu-Nb:St-Cu.	Cu-Nb:Cu:St-Cu:A-St	St:Cu-Nb:St-Cu:Ci	6	6	9	6	8	2	l	l	k	l	l	l	...	...	...	...	...	...	● ●^{0} to bc *a* : p ● ▲ *p* : p ●^{2} to bc *n*.
28	St:Nb.	St:Cu-Nb:St-Cu:Ci.	Cu:St-Cu:A-St:A-Cu.	9	9	8	9	6	6	k	k	l	l	l	l	●	●^{0}	...	●^{0}	...	...	p ● p ●^{2} *a* : p ●^{0} p ▲ ● *p* : p ●^{0} to bc *n*.
29	St:A-St.	St:St-Cu:A-St.	Cu:St-Cu:A-St:A-Cu.	9	10	10	9	9	10	J	k	k	k	k	J	...	●	...	...	...	●	p ● ●^{2} *a* : c *p* : i ● p ● *n*.
30	St:St-Cu.	Cu-Nb:Cu:St-Cu:Ci.	St:Cu-Nb:St-Cu.	9	9	7	6	6	9	l	k	l	l	l	k	...	●	...	...	●^{0}	●	i ● to bc *a* : fair *p* : p ●^{0} p ● *n*.
31	St:Cu-Nb:St-Cu.	St:Cu-Nb:St-Cu.	St:Cu-Nb:St-Cu.	7	8	9	9	9	8	l	l	l	l	l	l	...	...	...	●^{0}	●	...	p ● i ● *a* : p ●^{0} p ● *p* : p ▲ ● to bc *n*.
Mean Cloud Am'nt.				6·6	7·0	6·8	6·1	6·1	5·3													

432. Cahirciveen (Valentia Observatory). April, 1932.

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	Fr-St:St-Cu:A-Cu:Ci.	St:St-Cu.	St:St-Cu.	5	10	10	8	9	7	l	k	J	k	k	k	...	...	●	...	●^{0}	...	p ● p ●^{0} all day.
2	St:Nb:St-Cu.	St:St-Cu:A-St.	Cu:St-Cu:Ci.	9	9	9	6	3	7	J	J	l	l	l	k	●^{0}	●	...	...	...	...	●^{0} to p ● to c *a* : p ●^{0} *p* : p ● *n*.
3	Nb.	Cu:St-Cu:Ci-St:Ci.	Cu:St-Cu:Ci.	10	7	6	3	4	9	J	m	m	m	l	k	●	...	...	...	...	●^{0}	p ● to bc *a* : bc *p* : p ●^{0} *n*.
4	St:St-Cu.	Cu:St-Cu:Ci.	Cu-Nb:St-Cu:A-Cu:Ci.	7	6	5	8	8	2	l	l	l	l	l	l	...	...	...	●	...	...	Fair *a* : bcy to p ● *p* : fair to fine *n*.
5	St:St-Cu.	St:Cu-Nb:St-Cu.	St:St-Cu.	7	7	8	8	10	10	m	l	l	l	l	l	...	...	...	...	...	...	bc ⌓ to p ●^{0} *a* : p ●^{0} to c *p* and *n*.
6	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	10	10	10	10	9	k	k	J	J	J	k	...	...	...	...	●^{0}	...	i d$_0$ p ●^{0} to c *a* : id$_0$ to c *p* : ● ●^{0} *n*.
7	Nb:St-Cu.	Cu-Nb:Cu:St-Cu.	St:Cu-Nb:St-Cu.	8	4	4	6	8	4	k	k	l	l	l	l	▲^{0}	...	...	...	...	...	p ● ▲ *a* and *p* : q *p* : p ● q to bc *n*.
8	Cu:St-Cu:Ci.	Cu:St-Cu:A-Cu.	St:St-Cu:A-St.	7	3	8	7	10	10	l	l	m	m	l	I	...	...	...	...	...	●	bc to c *a* : c v *p* : ●^{0} ● *n*.
9	St:St-Cu.	St:St-Cu.	Nb:St-Cu.	9	9	9	10	10	10	k	k	k	h	h	J	...	...	...	d$_0$	●	●	p ●^{0} id$_0$ to c *a* : id$_0$ to p ● *p* : i ● p ●^{0} *n*.
10	Cu-Nb:Cu:Nb:A-Cu.	Cu:St-Cu:Ci.	Cu:Nb:A-Cu.	7	9	9	7	8	7	k	k	k	k	k	k	...	...	...	...	▲^{0}	●^{0}	p ●^{0} *a* : p ●^{0} p ▲^{0} *p* and *n*.
11	Cu:Nb:Ci.	Cu-Nb:Nb:St-Cu.	St:Cu:St-Cu.	9	9	9	8	7	4	k	k	k	l	l	l	✱^{0}	...	▲^{0}	...	...	...	p ▲ ✱^{0} *a* : p ▲^{0} ▲ q *p* : q p ● ▲ *n*.
12	Cu:Nb:Ci.	St:St-Cu.	Cu:Ci-Cu:Ci.	7	6	9	4	6	9	l	m	m	m	m	m	...	...	...	...	...	...	p ● ▲ to bc *a* : p ●^{0} to bc v *p* : bc to id$_0$ *n*.
13	St:St-Cu:A-St.	St:Nb:St-Cu.	St:Nb.	10	10	10	10	10	7	k	J	I	k	J	k	...	●^{0}	●^{0}	...	●	...	i ●^{0} *a* and *p* : ●^{2}q 17h 40m : p ● ●^{0} *n*.
14	Cu-Nb:Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	St:Cu:St-Cu:Ci.	7	7	6	5	9	10	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} to bc *a* : bc *p* : p ●^{0} p ●^{2} *n*.
15	St:Cu:St-Cu.	St:St-Cu.	Nb:St-Cu:Ci.	8	10	9	9	8	7	k	k	l	m	k	l	...	...	...	...	●	...	p ●^{2} i ●^{0} to c *a* : p ●^{2} ▲^{2} to p ● *p* : p ●^{0} to bc *n*.
16	Cu:A-Cu.	Cu:St-Cu.	Cu-Nb:Cu:St-Cu:Ci.	5	4	4	6	6	3	k	I	l	l	l	l	...	...	...	...	...	...	Mainly fair : y and p ●^{0} *p*.
17	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu-lent:Ci.	St:St-Cu.	7	6	4	6	8	2	l	l	l	l	l	l	...	...	...	...	...	...	Fair : y *p*.
18	St-Cu.	Cu:St-Cu.	Cu:St-Cu:Ci.	1	1	3	6	2	1	l	l	m	m	m	m	...	...	...	...	...	...	Fine : v y *p*.
19	St:St-Cu.	Cu:St-Cu.	St:St-Cu:A-St:A-Cu.	9	8	9	9	9	9	l	l	m	m	l	l	●^{0}	...	...	...	●^{0}	...	i ●^{0} to c *a* : p ●^{0} *p* and *n*.
20	St:Cu-Nb:St-Cu.	Cu-Nb:Cu:Ci.	St:Cu-Nb:St-Cu.	6	6	4	8	6	6	l	l	l	l	l	l	...	...	...	●^{0}	...	...	p ●^{0} to p ●^{2} ▲^{2} *a* : p ●^{0} ▲ to bc *p* : p ●^{0} p ●^{2} *n*.
21	St:Nb:St-Cu.	Cu-Nb:Cu:St-Cu:Ci.	Cu:St-Cu.	9	8	4	2	3	3	k	l	m	m	l	l	●	...	...	...	...	...	p ● to bcv *a* : bcv *p* : p ●^{0} to bc *n*.
22	Nb:St-Cu:A-St:A-Cu.	St:St-Cu:A-St.	St:St-Cu.	9	9	10	10	10	9	k	l	k	k	k	k	...	...	●^{0}	●^{0}	●^{0}	...	p ● to c *a* : i ●^{0} *p* : i ●^{0} i ● *n*.
23	St:St-Cu.	St:Cu:St-Cu.	Cu:Nb:St-Cu:Ci.	9	7	8	7	6	5	l	l	k	l	l	l	●^{0}	...	...	...	...	...	p ● p ●^{0} *a* and *p* : bc *n*.
24	St:Cu:St-Cu:Ci.	Cu:A-Cu:Ci-Cu:Ci.	Cu:St-Cu:Ci.	5	7	7	6	7	5	l	l	m	m	l	l	...	...	...	...	...	...	bc ⌓ to c v *a* : bc v to c *p* : bc *n*.
25	St:A-St.	St:A-St.	St:Nb.	9	9	10	10	10	9	l	l	k	k	J	k	●^{0}	...	●^{0}	...	●	...	p ●^{0} i ●^{0} *a* : ●^{0} to ● *p* : i ● i ●^{0} *n*.
26	St:Cu:St-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu.	6	8	7	7	4	1	l	l	m	m	m	m	...	...	...	...	...	...	bc ⌓ to cv *a* : cv *p* : bc v to bv ⌓ *n*.
27	St:St-Cu:A-St.	St:St-Cu.	St.	10	10	10	10	10	4	l	l	l	k	I	l	...	...	...	●^{0}	●^{0}	...	bv ⌓ to c *a* : i ●^{0} to ●^{0} *p* : ●^{0} to ●^{2} to bc *n*.
28	St:Cu:Ci.	Cu:Ci.	Cu:Ci.	5	6	3	3	3	7	l	l	l	l	l	l	...	...	...	...	...	...	p ● to bc *a* : bc *p* : bcy to c *n*.
29	Cu:Ci.	Cu:St-Cu:Ci.	St:St-Cu.	6	4	6	7	9	3	l	l	m	l	l	l	...	...	...	●^{0}	...	...	⌓ bc *a* : bcvy to p ● *p* : c to bc *n*.
30	St:St-Cu:Ci.	St:Cu-Nb:St-Cu:Ci.	Cu:Nb:St-Cu:A-St.	9	9	8	9	9	9	l	l	l	l	l	l	●^{0}	●^{0}	...	●^{0}	...	...	p ●^{0} *a* : p ●^{2} ▲^{2} to p ●^{0} *p* : p ●^{0} to bc *n*.
Mean Cloud Am'nt.				7·5	7·3	7·3	7·2	7·4	6·3													

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p 287.

433. Cahirciveen (Valentia Observatory). May, 1932.

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Cu:Nb:St-Cu.	Cu:St-Cu.	Cu:St-Cu.	9	9	9	8	8	7	m	m	l	m	m	l	...	...	...	●°	...	...	p ●° *a* and *p* : c to bc *n*.
2	Cu:A-St:A-Cu:Ci.	Cu:A-Cu.	Cu:St-Cu:Ci.	3	2	3	3	7	3	m	m	m	m	m	l	...	...	...	...	...	...	Fair to fine : ⌓ early *a* : v *a* and *p*.
3	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:Ci-Cu:Ci.	Cu:Ci.	8	7	6	4	2	1	J	k	k	k	l	l	...	...	...	...	...	...	bc ⌓ to c *a* : bc *p* : bc to b *n*.
4	---	Cu.	Cu:St-Cu.	0	0	1	0	1	3	l	l	k	l	l	l	...	...	...	...	...	...	Fine : ⌓ early : y *p*.
5	St:Cu:St-Cu.	Cu:St-Cu.	Cu:St-Cu.	7	4	6	8	6	3	k	l	m	m	l	l	...	...	...	...	...	...	Fair *a* and *p* : vy *p* : p ●° *n*.
6	Cu:St-Cu.	Cu:St-Cu.	Cu:St-Cu:Ci-Cu:Ci	6	5	4	7	6	8	m	m	m	m	l	l	...	...	...	...	...	...	p ● to bc *a* : bcvy to p ●° *p* : c *p* ●° *n*.
7	St:St-Cu:Ci-Cu:Ci	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	9	7	7	8	9	8	l	m	m	m	m	m	...	...	...	...	...	...	p ●° to c *a* : c v *p* and *n*.
8	St:St-Cu:A-Cu:Ci	Nb:St-Cu:A-St.	Cu:St-Cu:A-St:A-Cu.	9	9	10	9	9	3	m	m	m	m	l	l	...	...	...	...	...	...	bc ⌓ to c *a* : cvy to p ●° *p* : p ●° p ● *n*.
9	St:Cu-Nb:Nb:A-St.	Cu:St-Cu.	Cu.	9	5	6	2	3	3	l	l	m	m	m	m	...	...	...	...	...	...	p ● ▲ to bc *a* : bc to b v *p* : bcv *n*.
10	Cu:A-Cu:Ci.	St:Cu:St-Cu:A-St.	St:St-Cu:A-St.	8	10	10	10	10	10	m	m	m	l	l	I	...	...	...	●°	...	...	b to cv *a* : i ●° *p* and *n*.
11	St:Nb:A-St.	St:St-Cu.	Nb.	10	10	10	10	10	10	I	k	J	G	h	h	●	●°	●°	●°	●	●°	i ●° to d *a* : continuous ●° *p* : continuous ●° ● *n*.
12	Nb.	Nb.	St:St-Cu.	10	10	10	6	8	10	I	J	I	k	k	k	●	...	d	...	...	...	i ●° i ● *a* : continuous d to bc *p* : c *n*.
13	Cu:Nb.	St:St-Cu.	St:Cu:St-Cu.	9	9	9	6	7	8	J	k	k	k	k	k	...	...	...	...	...	...	p ●° to c *a* : c to bc *p* : c *n*.
14	St:Cu:Nb.	St:Cu:St-Cu.	St:Cu:St-Cu:Ci.	8	7	6	8	8	6	J	k	k	k	k	k	...	...	...	...	...	...	p ●° to c *a* : c to bc *p* and *n*.
15	St-Cu.	Cu:Nb.	Cu-Nb:Cu.	2	4	6	7	3	1	l	l	l	l	l	l	...	...	...	●²	...	...	⌓ to bcjp *a* : i ●² *p* : b ⌓ *n*.
16	St:Cu:St-Cu.	Cu.	Cu:A-Cu.	5	4	4	5	4	1	l	l	m	m	m	m	...	...	...	...	...	...	⌓ early fair to fine.
17	St:St-Cu.	St:St-Cu.	St:Nb:St-Cu.	9	7	10	10	10	10	m	l	k	J	h	k	...	...	●°	●°	●	●	b ⌓ to i ●° *a* : continuous ●° *p* : continuous ● *n*.
18	St.	St:St-Cu.	St:St-Cu.	10	10	10	9	9	10	J	k	J	J	k	I	...	...	...	...	...	...	Continuous ●° to p ● *a* : c *p* and *n*.
19	St:Nb	St:Nb:St-Cu.	St:St-Cu.	10	10	10	9	10	10	J	I	J	k	k	k	●°	●°	●°	...	...	...	i ●° *a* : i ●° to c *p* : i ●° p ● to c *n*.
20	St:St-Cu.	St:St-Cu.	St:Cu:St-Cu.	9	10	8	9	8	9	k	k	k	k	l	J	...	...	...	...	...	d_0	p ●° to c *a* : c *p* : id$_0$ p ● *n*.
21	St-Cu.	St-Cu.	Cu:St-Cu.	9	8	6	2	3	9	l	m	m	m	l	l	...	...	...	...	...	...	Fair to fine: v *a* and *p*.
22	St:St-Cu.	Cu:St-Cu:A-Cu.	St:St-Cu.	10	10	5	10	10	9	l	k	k	J	J	J	...	...	...	●°	●°	●°	p ●° to bc *a* and *p* : i ● i ●° *n*.
23	St:St-Cu.	St:St-Cu.	St:Nb.	9	10	10	10	10	8	l	l	l	J	J	l	...	●°	...	●	●	...	p ●° *a* : p ● i ●° *p* : p ● *n*.
24	St:Nb:St-Cu.	Cu:St-Cu.	Cu.	4	6	6	9	6	6	l	l	l	l	l	l	...	...	...	...	...	...	p ● to bcy *a* : bcy *p* : bc *n*.
25	St:St-Cu.	Cu:St-Cu.	St:Cu:Nb:St-Cu.	6	5	8	9	9	9	l	l	m	m	l	l	...	...	...	...	...	...	i ● p ●° to bcy *a* : p ●° *p* : i ● *n*.
26	Cu:St-Cu.	Cu-Nb:Cu:St-Cu.	Cu:St-Cu.	2	2	6	7	6	3	l	l	l	l	m	l	...	...	...	...	...	...	p ●° to bc *a* : fair *p* and *n* : ⌓ *n*.
27	Cu:Ci.	Cu:St-Cu:Ci-Cu:Ci:St	Cu:St-Cu:A-St:Ci-Cu	3	4	8	9	9	10	m	m	l	l	l	J	...	...	...	...	...	●°	b ⌓ to bcv *a* : c *p* : i ●° *n*.
28	St:St-Cu.	St:St-Cu.	St:St-Cu:A-Cu.	9	9	10	10	6	9	l	J	l	l	l	l	...	●°	...	...	...	...	i ●° *a* : c to bc *p* : bc to c *n*.
29	St:St:Cu.	St:Nb:St-Cu.	St:St-Cu.	9	10	10	6	10	10	k	J	k	l	l	l	●°	●°	...	...	...	...	p ●° i ●° *a* : c to bc *p* : c *n*.
30	A-St:A-Cu.	St:St-Cu.	St:Nb.	9	10	10	10	10	10	m	m	J	I	h	I	...	...	●°	●	●	●	bc to i ●° *a* : continuous ● *p* and *n*.
31	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	10	10	9	10	9	l	I	I	l	l	l	...	●	●°	...	...	●°	i ● to continuous ● *a* : i ●° to c *p* : p ●° *n*.
Mean Cloud Am'nt.				7·4	7·2	7·5	7·4	7·3	7·0													

434. Cahirciveen (Valentia Observatory). June, 1932.

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	Nb:St-Cu.	5	3	5	7	9	3	l	m	l	k	I	k	...	...	...	...	●°	...	Fair *a* : i ● *p* : i ●° to b ⌓ *n*.
2	A-Cu.	Cu.	Cu:St-Cu.	1	1	1	2	4	1	k	l	l	k	I	J	...	...	...	...	...	...	⌓ m early : fair to fine.
3	Fr-St:A-Cu.	St:St-Cu.	St:St-Cu.	1	3	9	10	10	1	I	J	F	h	h	J	...	...	...	●	...	...	b ⌓ to c m *a* : f i ● ⊤ *p* : i ● to b *n*.
4	A-Cu.	St:St-Cu.	St:St-Cu.	9	6	8	9	6	1	k	J	J	J	l	l	...	...	...	...	...	...	b ⌓ to c *a* : cloudy *p* : c to b *n*.
5	---	St-Cu.	St-Cu:A-Cu.	0	0	3	3	4	2	l	l	k	k	l	l	...	...	...	...	...	...	Fair to fine, y *a* : ⌓ early *a*.
6	St:St-Cu.	St:St-Cu.	St-Cu.	9	10	9	9	9	9	m	m	m	m	m	m	...	...	...	...	...	...	b ⌓ to cvy *a* : cvy *p* : cv to bc *n*.
7	Cu:St-Cu:A-Cu.	Cu:St-Cu.	Cu.	3	5	2	1	1	0	m	m	m	m	m	m	...	...	...	...	...	...	Fine : ⌓ early : v *a* and *p*.
8	Fr-St:St-Cu.	Cu:St-Cu:Ci-Cu:Ci.	St:St-Cu:A-St.	3	3	4	8	10	10	l	l	l	l	k	G	...	...	...	...	●°	●°	b ⌓ to bc *a* : bc to c *p* : p ●° to ●° *n*.
9	St.	St.	St.	10	10	10	10	10	10	J	h	G	h	h	h	●°	●°	d	...	●°	●	Continuous ●° to d *a* : d *p* : continuous ● *n*.
10	St:St-Cu:A-St.	Cu:St-Cu:A-St.	Cu:St-Cu:A-Cu:Ci.	10	10	8	9	3	3	k	k	l	l	l	k	...	...	...	...	...	...	●° to c *a* : c *p* : bc to b ⌓ *n*.
11	A-Cu:Ci.	Cu.	Ci.	2	2	1	1	1	1	l	l	l	l	l	l	...	...	...	...	...	...	⌓ early : fine.
12	St-Cu.	St:St-Cu.	St:St-Cu.	3	5	10	9	10	5	k	k	k	k	k	k	...	...	...	...	...	...	b ⌓ to bc *a* : c *p* : bc ⌓ *n*.
13	St:St-Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	St-Cu:Ci.	9	7	7	5	5	2	m	m	m	m	m	m	...	...	...	...	...	...	bc ⌓ to cv *a* : cv to bc *p* : bc to b *n*.
14	St-Cu:A-Cu.	St-Cu.	St-Cu.	7	7	9	9	6	7	J	J	J	J	J	J	...	...	...	...	...	...	bc ⌓ to c *a* : c to bc *p* and *n*.
15	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	10	9	3	I	k	k	k	k	k	...	...	●°	...	...	...	p ●² to p ●° *a* : i ●° *p* : bc b ⌓ *n*.
16	Cu:St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:A-Cu:Ci-Cu	8	8	8	8	6	9	k	k	k	k	l	l	...	...	...	...	...	...	b ⌓ to c *a* : bc to c *p* and *n*.
17	Cu:St-Cu:A-St:A-Cu	Cu:St-Cu:A-Cu:Ci.	Cu.	9	9	3	2	1	2	k	l	k	l	l	l	...	...	...	...	...	...	c ⌓ to bcy *a* : fair to fine *p* and *n*.
18	St-Cu:A-Cu:Ci-St.	Cu:St-Cu.	Cu:St-Cu.	8	1	4	8	2	8	k	l	l	l	l	l	...	...	...	...	...	...	⌓ early and late : fair to fine.
19	St-Cu.	Cu:A-Cu:Ci-Cu:Ci.	Cu:St-Cu:Ci.	1	1	2	5	8	1	l	l	k	k	l	k	...	...	...	...	...	...	⌓ early and late : mainly fine.
20	St-Cu.	Cu:St-Cu.	St:St-Cu.	8	10	6	6	7	10	J	J	J	J	J	J	...	...	...	...	...	...	Fair : ⌓ early.
21	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	10	9	9	9	10	k	k	k	k	k	J	...	...	...	...	...	...	Cloudy : ⌓ early and late.
22	St:St-Cu.	St:Cu:St-Cu.	Cu:Ci-St.	10	10	7	5	10	10	k	k	k	l	l	l	...	...	...	...	...	...	⌓ early and late : fair to cloudy.
23	St-Cu.	St-Cu:A-Cu:Ci-Cu.	Fr-Cu:A-Cu:Ci-Cu:Ci	9	6	8	3	2	1	l	m	m	m	m	m	...	...	...	...	...	...	⌓ early and late : fair : v *p*.
24	St:St-Cu.	St:Cu:St-Cu.	St:Cu:St-Cu.	9	9	8	9	7	2	l	l	l	l	l	l	...	...	...	...	...	...	⌓ early and late : fair to cloudy.
25	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	10	10	10	10	l	l	l	l	k	k	...	...	...	...	...	...	bc ⌓ early otherwise cloudy : p ●° *n*.
26	St:St-Cu.	St:St-Cu.	St:Nb:St-Cu.	10	10	10	10	10	10	J	k	k	k	k	k	...	...	...	...	...	...	p ●° to c *a* : c to i ●° *p* : c *n*.
27	St:Nb:A-St.	St:St-Cu:A-St.	St:Cu:St-Cu.	10	10	10	10	9	9	k	l	k	k	l	k	●	...	...	...	...	...	i ●° to c *a* : c *p* and *n*.
28	St:St-Cu.	Cu.	Cu:Ci.	9	6	3	2	3	2	l	l	m	m	m	m	...	...	...	...	...	...	p ●° to bc *a* : bcv *p* : bcv to bc ⌓ *n*.
29	St:Nb.	St:Nb.	St:Nb.	10	10	10	10	10	9	h	h	J	h	J	J	●°	●°	●°	●°	...	●	bv ⌓ to ● *a* : i ●° *p* : i ● ●² *n*.
30	St:Nb.	St:Cu:St-Cu.	St:Nb.	10	10	9	10	10	10	J	J	k	k	h	k	...	...	...	●°	●	...	id$_0$ to c *a* : i ●° to continuous ● *p* : ● to b *n*.
Mean Cloud Am'nt.				7·0	6·7	6·8	7·0	6·7	5·4													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 387.

435. Cahirciveen (Valentia Observatory). **July, 1932.**

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:Nb:St-Cu.	St:St-Cu.	St:St-Cu:Ci.	9	4	10	6	8	9	J	l	J	k	l	l	●	...	...	...	...	...	p ● *a* : p ●^{0} to bc *p* : c *p* ●^{0} *n*.
2	Cu:St-Cu:Ci-St:Ci.	St:St-Cu.	St:St-Cu.	8	7	10	10	10	10	l	l	l	k	J	h	...	...	...	...	●^{0}	●	p ●^{0} to c *a* and *p* : ●^{0} to continuous ● *n*.
3	Nb.	St.	St.	10	10	10	10	10	10	h	G	G	G	J	J	●	●^{0}	d	d	...	...	Continuous ● ●^{0} *a* : ●^{0} d *p* : ●^{0} ●^{2} *n*.
4	St:Nb.	Cu:St-Cu:Ci.	St:St-Cu.	10	10	2	9	9	10	h	k	l	l	l	l	●^{0}	...	...	...	...	...	i● to p ●^{0} *a* : p ●^{0} to bc *p* : p ●^{0} p ●^{2} *n*.
5	St:St-Cu.	Cu:St-Cu.	St:St-Cu.	8	9	5	9	9	10	l	l	l	l	k	l	...	...	...	...	...	...	p ● to c *a* : p ●^{0} to bc *p* : p ●^{0} to c *n*.
6	St:St-Cu.	St:A-St:	St:St-Cu.	10	10	10	10	9	9	l	l	J	G	l	l	...	...	●^{0}	●^{0}	...	...	p ● to ●^{0} *a* : continuous ●^{0} *p* : c to bc *n*.
7	St:St-Cu.	St:Cu:St-Cu:A-St.	St:A-St.	9	9	10	10	10	10	k	l	l	k	k	G	...	...	...	●^{0}	...	d$_0$	p ●^{0} to c *a* : i ●^{0} *p* : ● d$_0$ *n*.
8	St:St-Cu.	St:St-Cu.	St.	10	9	10	10	10	10	J	k	k	k	h	G	...	...	...	...	...	...	d to c *a* : c *p* : o m *n*.
9	St.	St:St-Cu.	St:St-Cu.	10	10	9	9	9	9	I	J	k	J	k	J	...	...	...	...	...	...	i d$_0$ to c *a* : c *p* : bc to id$_0$ *n*.
10	St:Nb:A-St:A-Cu.	St:Nb.	St:St-Cu:A-St.	10	10	10	10	9	7	k	h	h	k	l	l	...	d$_0$	●^{0}	...	...	...	p ●^{0}d$_0$●^{0} *a* : ●^{0} to c *p* : c to bc *n*.
11	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:Ci.	Cu:St-Cu:Ci.	7	8	7	7	6	3	m	m	m	l	l	l	...	...	...	...	...	...	p ●^{0} to cv *a* : cv to bc *p* : bc *n*.
12	St:Cu.	Cu:St-Cu:A-St.	St:St-Cu.	6	5	6	9	9	10	m	m	m	m	l	l	...	...	...	...	...	...	bc v *a* : bc v to c *p* : i ● *n*.
13	St:St-Cu:Ci.	Cu:St-Cu:Ci.	St:Cu:St-Cu.	9	6	7	10	9	9	k	k	k	J	J	J	...	...	...	...	...	...	i ● to bc *a* : c to i ● *p* : ci● *n*.
14	St:Nb:St-Cu.	St:Nb:St-Cu.	St:St-Cu.	10	10	10	9	9	7	J	J	k	k	k	l	...	...	...	...	...	...	i● *a* : i ●^{0} to c *p* : c to bc ⌓ *n*.
15	St:St-Cu.	St:St-Cu.	St.	10	10	10	10	10	10	k	l	l	k	I	I	...	...	●^{0}	●^{0}	●^{0}	...	bc ⌓ to p ●^{0} *a* : ●^{2} ●^{0} *p* : i ● *n*.
16	Cu:St-Cu:A-Cu.	St:Cu:St-Cu.	Cu:St-Cu.	6	4	9	9	9	9	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} *a* : p ●^{0} to c *p* : c *n*.
17	St:St-Cu:Ci.	St-Cu:Ci-Cu:Ci.	Cu:St-Cu:Ci.	9	9	8	6	9	8	l	l	l	l	l	l	...	...	...	...	...	...	c *a* : c to bc *p* : c *n*.
18	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	10	10	10	k	J	k	k	k	l	...	d$_0$	...	...	...	...	id$_0$ i ●^{0} *a* : c *p* and *n*.
19	St:St-Cu.	St:St-Cu.	St.	8	9	9	8	10	9	k	k	k	k	h	h	...	...	...	...	d$_0$	...	id$_0$ *a* and *p* : i ●^{0} *n*.
20	St:St-Cu.	Cu:St-Cu.	St:St-Cu.	10	8	9	9	10	10	l	l	l	l	k	k	...	...	...	...	...	...	i ●^{0} p ●^{0} *a* : c *p* and *n*.
21	St:St-Cu:A-St:A-Cu.	Fr-St:St-Cu.	St:St-Cu.	8	6	9	10	10	9	l	l	l	l	k	k	...	...	...	...	...	...	p ●^{0} to bc *a* : ci ●^{0} id$_0$ *p* : c *n*.
22	St:St-Cu.	St:Cu:St-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	9	10	8	4	6	9	l	l	l	m	l	l	...	...	...	...	...	...	id$_0$ to bc *a* : bc *p* : bc to c *n*.
23	St:St-Cu.	St.	St.	10	10	10	10	10	10	J	I	h	G	G	G	d$_0$	d$_0$	d$_0$	d$_0$	d$_2$	d	id$_0$ continuous d *a* : continuous d$_0$d$_2$ *p* : id ● *n*.
24	St:Nb.	St:St-Cu.	St:St-Cu.	10	10	10	10	9	8	I	l	I	I	l	l	d	...	d	d$_0$	...	...	id id$_0$ *a* and *p* : id$_0$ p ● *n*.
25	Cu-Nb:Cu:A-Cu.	St:Cu-Nb:St-Cu:Ci.	St:Nb:St-Cu.	5	9	7	7	10	8	l	l	J	l	J	J	...	...	...	...	●^{0}	●^{0}	p ● p ●^{0} *a* : p ●^{0} *p* and *n*.
26	Cu-Nb:Cu:St-Cu.	St:Cu:St-Cu.	St:St-Cu.	7	8	8	9	7	8	k	k	l	k	k	k	...	...	...	...	...	...	p ●^{0} p ● *a* : p ●^{0} to c *p* : c *n*.
27	St:Cu:St-Cu.	Fr-St:St-Cu.	St:St-Cu.	9	8	9	9	9	9	k	k	l	l	k	k	...	...	...	...	...	...	p ●^{0} p ● *a* : c *p* : ci ●^{0} *n*.
28	St.	St:St-Cu.	St:St-Cu.	10	10	9	9	10	10	G	E	J	J	I	I	d	d	...	d$_0$	d$_0$	●	di ● *a* : id$_0$ *p* : ●^{2} to continuous ● *n*.
29	St.	St:St-Cu.	St:St-Cu.	10	7	10	9	10	10	G	J	J	k	J	J	d	...	...	...	...	...	id i ● continuous d to c *a* : c *p* : c to o *n*.
30	St:St-Cu.	St:St-Cu.	St:St-Cu:A-Cu.	10	10	9	9	9	8	J	h	k	l	l	k	d$_0$	●	...	...	...	...	id$_0$ ●^{2}● *a* : c *p* : c to bc *n*.
31	St:Nb:St-Cu.	St.	St:St-Cu.	10	9	10	10	10	9	J	J	G	I	k	k	...	...	d	d$_0$	...	...	p ●^{0} *a* : id *p* and *n*.
Mean Cloud Am'nt.				8·9	8·5	8·7	8·9	9·2	8·9													

436. Cahirciveen (Valentia Observatory). **August, 1932.**

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:Cu:St-Cu.	St-Cu:Ci.	Cu:St-Cu:Ci-Cu:Ci.	9	8	6	4	3	4	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} to bc *a* : bc *p* and *n*.
2	St:Nb:St-Cu:A-St.	St:St-Cu.	St:St-Cu.	10	10	9	10	9	10	J	G	k	J	J	J	d	●^{0}	...	d$_0$	...	...	id$_0$ i ●^{0} ● *a* : id$_0$ *p* : cp ●^{0} *n*.
3	St:Cu:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	9	7	9	10	k	k	k	l	k	h	...	...	...	...	...	...	p ●^{0} to c *a* : c *p* : id$_0$ ●^{0} *n*.
4	St:Nb.	St.	St.	10	10	10	10	10	10	F	F	D	G	h	G	●^{0}	●^{0}	...	...	...	●^{0}	d to continuous ●^{0} *a* : d f *p* : f ●^{0} *n*.
5	St.	St.	St:St-Cu.	10	10	10	9	10	10	D	h	I	l	l	l	d$_0$	d$_0$	...	...	...	...	f continuous d$_0$ *a* : o to c *p* : c *n*.
6	St:Nb.	St:St-Cu.	St:St-Cu.	10	10	9	3	9	9	I	I	k	k	k	l	●^{0}	...	...	...	...	...	i ●^{0} *a* : c to bc *p* : c *n*.
7	St:St-Cu.	St-Cu:A-Cu:Ci-Cu.	St:St-Cu.	10	10	9	10	10	10	l	l	k	k	k	G	...	...	...	...	...	d$_0$	c *a* : c to id$_0$ *p* : id$_0$ to continuous d *n*.
8	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	9	9	10	10	l	l	J	J	l	h	...	...	...	...	...	d$_0$	d ●^{0} to c *a* : cid$_0$ *p* : id$_0$ to bc *n*.
9	St:St-Cu.	Cu:St-Cu:Ci.	Cu:St-Cu:Ci.	10	10	7	2	6	9	l	l	m	m	l	J	...	...	...	...	...	...	Fair *a* and *p* : v *p* : id$_0$ id *n*.
10	St:St-Cu.	St:St-Cu.	St:Nb:A-St:A-Cu.	10	10	10	10	10	10	J	I	l	k	k	l	...	d$_0$	...	...	...	...	id$_0$ *a* : i ●^{0} i● *p* : i ●^{0} *n*.
11	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	10	9	10	10	10	l	l	l	k	J	I	...	...	...	...	...	...	c *a* and *p* : id$_0$ i ● *n*.
12	St:Nb.	St:Cu:St-Cu.	Cu:St-Cu:A-Cu.	10	10	9	4	9	10	h	I	l	l	m	J	d$_0$	...	...	...	...	●^{0}	i ● id$_0$ *a* : p ●^{0} to bc *p* : i ●^{0} to continuous ●^{0} *n*
13	St:St-Cu.	St:Cu:St-Cu:Ci.	St:St-Cu:A-St:A-Cu.	8	6	9	9	9	9	k	k	l	l	l	l	...	...	...	...	...	...	●^{0} to bc *a* : cp ● i ● *p* : c *n*.
14	St:St-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:Ci.	7	6	6	7	5	5	l	l	k	l	l	l	...	...	...	...	...	...	bc ⌓ p ●^{0} to bc *a* : p ●^{0} *p* : bc ⌓ *n*.
15	Fr-St:Ci.	Cu:Ci.	St:St-Cu:Ci-St:Ci.	2	2	4	6	9	9	l	l	l	l	k	k	...	...	...	...	...	...	⌓ early *a* : fair to fine *a* and *p* : c *n*.
16	St.	St.	St.	10	10	10	10	10	10	h	h	G	G	J	G	d$_0$	●^{0}	...	...	...	...	id$_0$ continuous ●^{0} *a* : f *p* : f m$_0$ *n*.
17	St.	St.	St.	10	10	10	9	10	9	D	D	J	k	I	J	d	...	...	...	d$_0$	...	d$_2$ d f *a* : m$_0$ id$_0$ *p* : id$_0$ to bc *n*.
18	St.	Cu:St-Cu:Ci.	St:St-Cu:Ci-St.	10	8	8	9	9	9	C	k	m	m	m	l	...	...	...	...	...	...	d f to bc *a* : cv *p* : c *n*.
19	St:A-Cu.	St:St-Cu:Ci.	Fr-Cu:St-Cu:A-Cu:Ci.	2	2	8	7	7	6	k	l	l	l	l	l	...	...	...	...	...	...	Fair : ⌓ early.
20	A-St:A-Cu-lent:Ci.	Cu:St-Cu:A-St:Ci-St.	St:Nb.	8	9	10	10	10	10	l	l	l	l	h	h	...	...	...	●^{0}	●^{2}	●^{0}	bc ⌓ to c *a* : K 13h-14h : i ● continuous ●^{2} *p* : i ●^{0} *n*.
21	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	9	9	9	k	k	J	k	k	J	●^{0}	d$_0$	...	...	...	...	i ●^{0} id$_0$ *a* : c *p* : id$_0$ *n*.
22	Fr-St:St-Cu.	St:St-Cu.	St:St-Cu:Ci.	9	9	9	9	7	9	k	k	l	J	J	J	...	...	...	...	...	...	Cloudy all day.
23	St:St-Cu:A-Cu.	St:St-Cu.	St:St-Cu.	9	9	9	8	9	9	J	k	l	l	l	l	...	...	...	...	...	...	Cloudy : p ●^{0} *n*.
24	Fr-St:St-Cu.	St:Cu:St-Cu:A-Cu.	Cu:St-Cu:Ci.	9	8	8	7	7	2	l	l	l	l	l	l	...	...	...	...	...	...	● early *a* to cloudy : fine *n*.
25	Fr-Cu:Ci-Cu:Ci.	St-Cu.	St:St-Cu.	7	7	9	2	6	0	J	k	k	k	l	l	...	...	...	...	...	...	bc ⌓ to c *a* : fair to fine *p* and *n* : ⌓ *n*.
26	A-Cu:Ci-Cu:Ci.	Fr-St:Cu:St-Cu.	St:St-Cu.	7	9	9	10	9	7	k	k	k	k	J	k	...	...	...	...	...	...	b ⌓ to c *a* : c p ●^{0} *p* : c p ● id *n*.
27	Cu:Ci.	Cu:Ci.	St-Cu:Ci.	3	3	4	4	6	9	l	l	m	m	m	l	...	...	...	...	...	...	Fine to fair : v *p*.
28	St:St-Cu.	St:Nb.	St:Nb.	9	9	10	10	10	9	l	l	I	I	J	l	...	...	●	●^{0}	●^{0}	...	bc ⌓ to c *a* : i ● i ●^{0} *p* : i ●^{0} to c *n*.
29	St:St-Cu.	St:St-Cu:A-St:Ci.	St:St-Cu.	9	9	9	9	10	9	k	l	l	l	k	k	●^{0}	...	...	...	...	...	p ●^{0} to c *a* : c *p* : c to bc *n*.
30	Cu:St-Cu:Ci.	St:Cu:St-Cu:Ci.	Cu:St-Cu:Ci.	6	9	7	4	5	2	l	l	l	l	l	l	...	...	...	...	...	...	bc to i ● *a* : c to bc *p* : bc *n*.
31	St:St-Cu.	St:St-Cu.	St:St-Cu.	6	7	9	9	9	10	l	l	k	k	k	I	...	...	...	...	...	d$_0$	bc ⌓ to c *a* : c to p ●^{0} *p* : i ●^{0} id$_0$ *n*.
Mean Cloud Am'nt.				8·3	8·3	8·5	7·6	8·4	8·2													
Day	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 287.

437. Cahirciveen (Valentia Observatory). September, 1932.

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-Cu.	St.	10	10	10	10	10	10	I	J	J	I	h	h	...	...	...	...	...	d$_0$	oid$_0$ to c *a* : c to o *p* : id$_0$ i ●^{0} *n*.
2	St.	St.	St.	10	10	10	10	10	9	G	h	J	h	I	J	d$_0$	d$_0$	...	d$_0$	●^{0}	...	Continuous d$_0$ *a* : i ●^{0} id *p* : continuous ●^{0} to id$_0$ *n*.
3	St:St-Cu:A-Cu:Ci.	Cu.	Cu.	6	7	4	3	7	6	l	l	l	l	l	l	...	...	...	...	...	...	id$_0$ p ●^{0} to bc *a* : fair *p* and *n*.
4	St:St-Cu.	St:St-Cu.	St:St-Cu:A-Cu.	10	10	9	10	9	3	l	l	l	l	l	l	...	...	...	...	...	...	bc to p ●^{0} *a* : c p ●^{0} *p* : c to bc *n*.
5	St:Nb.	St.	St:St-Cu:Ci.	10	10	10	6	8	5	I	I	h	k	k	l	●^{0}	●^{0}	d$_0$	...	...	...	Continuous ●^{0} to d *a* : id$_0$ to bc *p* : c to bc *n*.
6	St:St-Cu.	St:Cu-Nb:St-Cu.	Cu-Nb:St-Cu.	9	2	8	9	6	6	k	l	l	l	l	k	...	...	...	...	...	...	bc p ● p ●^{0} all day.
7	Cu:St-Cu:A-Cu.	St:Nb.	St:St-Cu.	9	9	10	10	8	9	l	l	I	I	k	k	...	...	●^{0}	●	...	...	c p ● *a* : continuous ● to c *p* : c to bc p ●$_0$ *n*.
8	Cu:Nb.	St:Nb.	Cu-Nb:Nb:St-Cu.	9	7	9	10	7	8	l	k	J	k	k	k	...	...	●^{0}	...	...	...	p ●^{0} p ● all day.
9	Cu:St-Cu.	Cu:St-Cu.	St:A-St.	9	9	8	7	10	10	l	J	l	l	l	l	...	...	...	...	...	...	bc to p ●^{0} *a* : c to bc *p* : i ●^{0} *n*.
10	Cu:Nb:St-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	8	4	4	8	8	10	l	l	l	l	l	k	...	...	...	...	...	...	p ●^{0} to bc *a* : c to bc *p* : p ●^{0} to ● *n*.
11	Cu:St-Cu.	Cu:St-Cu:A-Cu:Ci.	Cu:St-Cu:A-Cu:Ci.	8	6	8	8	3	8	k	l	k	k	k	k	...	...	...	...	...	...	Continuous ● to bc *a* : p ●^{0} *p* and *n*.
12	St:Nb.	St.	St.	10	10	10	10	10	10	G	G	G	G	I	I	●^{0}	d$_0$	d$_0$	...	...	d$_0$	● to continuous d$_0$ *a* : id$_0$ *p* : id$_0$ continuous d *n*.
13	St.	St.	St.	10	10	10	10	10	10	G	G	h	J	I	I	d$_0$	d$_0$	d	...	d	d$_0$	id$_0$ continuous d$_0$ *a* : id$_0$ *p* and *n*.
14	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	10	8	9	9	10	I	J	J	J	k	J	...	...	...	...	...	...	id id$_0$ *a* : id$_0$ *p* and *n*.
15	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	8	9	10	9	9	h	k	l	l	l	l	...	...	...	...	...	...	id$_0$ to c *a* : c *p* and *n*.
16	Fr-St:St-Cu.	St-Cu.	Cu:St-Cu:A-Cu:Ci.	9	5	7	10	9	1	l	J	k	J	J	J	...	...	...	...	...	...	c to bc *a* : c *p* : c to b *n*.
17	Cu:St-Cu:A-Cu.	Cu.	St.	8	7	6	10	10	10	I	h	h	E	I	J	...	...	...	...	...	...	b ⌓ to cm$_0$ *a* : o f *p* : o to c *n*.
18	St:St-Cu.	Nb:A-St.	St:A-St.	10	10	10	10	10	9	l	J	J	k	m	m	...	●^{0}	●	●^{0}	...	...	p ●^{0} i ●^{0} *a* : continuous ●^{0} to cv *p* : cv p ●^{0} bc *n*.
19	Cu-Nb:St-Cu.	Cu:Ci.	Cu:A-Cu:Ci-St:Ci.	3	2	8	8	9	2	l	m	m	m	m	m	...	...	...	...	...	...	bc p ●^{0} *a* : c *p* : c to b *n*.
20	St-Cu:A-St:A-Cu:CiSt	Cu:A-Cu.	Cu:St-Cu:A-Cu:Ci.	9	7	9	5	2	1	m	m	m	m	m	m	...	...	...	...	...	...	Mainly fair : y *p*.
21	Fr-Cu:Ci-St:Ci.	Fr-Cu.	Cu:St-Cu.	2	1	1	3	3	1	l	k	k	k	l	k	...	...	...	...	...	...	Fine *a* and *p* : b to c *n*.
22	St:St-Cu:A-St.	St:St-Cu:A-St.	St:Cu:St-Cu:A-Cu.	10	10	10	10	9	1	k	k	J	J	J	J	●^{0}	...	●	●^{0}	...	...	Continuous ●^{0} to i ● *a* and *p* : c to b *n*.
23	St-Cu.	Cu:St-Cu.	Cu:St-Cu.	4	9	6	6	2	0	l	l	m	m	m	l	...	...	...	...	...	...	b ⌓ to c *a* : p ●^{0} bcv *p* : b ⌓ *n*.
24	St:St-Cu:Ci-Cu:Ci.	St:St-Cu.	St:St-Cu.	9	9	10	10	5	1	l	k	k	J	k	l	...	...	...	●^{0}	...	...	⌓ p ●^{2} p ●^{0} *a* : continuous ●^{0} to bc *p* : p ●^{0} *n*.
25	St:St-Cu.	Cu:St-Cu.	Cu:St-Cu.	3	3	8	8	2	2	l	l	k	k	l	l	...	...	...	...	...	...	p ●^{2} p ●^{0} *a* : p ●^{0} to bc *p* : p ● *n*.
26	Nb:St-Cu.	Cu:Nb:A-St:A-Cu.	St:Cu.	8	7	7	6	6	4	l	l	l	l	l	l	...	...	...	...	...	...	p ● p ●^{0} *a* : p ●^{0} *p* and *n*.
27	St:St-Cu:Ci.	Cu:St-Cu.	Cu:St-Cu:Ci-St:Ci.	6	8	4	4	9	1	l	l	m	m	m	l	...	...	...	...	...	...	p ●^{0} to bc y *a* : bcvy *p* : cv to b ⌓ *n*.
28	St-Cu:Ci.	Cu:St-Cu.	St:Cu:St-Cu.	2	2	4	6	9	2	l	m	m	m	m	l	...	...	...	...	●^{0}	...	b ⌓ bcv *a* : bcv *p* : c to b ⌓ *n*.
29	A-Cu:Ci.	St-Cu:A-St:A-Cu-lent.	St:Nb:St-Cu:A-St.	8	1	9	10	10	10	m	m	l	l	l	k	...	...	...	●^{0}	●^{0}	...	b ⌓ to c *a* : i ●^{0} *p* : continuous ●^{0} *n*.
30	Fr-St:A-Cu:Ci.	Cu:St-Cu:A-St:Ci.	Cu:St-Cu:A-St:Ci.	7	8	7	9	8	10	l	l	l	l	k	k	...	...	...	...	...	...	●^{0} early otherwise cloudy.
Mean Cloud Am'nt.				7·8	7·0	7·8	8·2	7·6	5·9													

438. Cahirciveen (Valentia Observatory). October, 1932.

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-Cu.	Cu:Fr-Cu:Ci.	Cu:A-Cu:Ci.	3	4	8	5	7	1	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} to bc *a* : bcy *p* : bc, b *n*.
2	St:St-Cu.	Cu:St-Cu.	Cu:St-Cu.	10	9	8	9	3	1	I	k	k	k	k	k	●^{0}	...	...	...	...	...	i ● p ●^{0} *a* : p ●^{0} *p* : bc b *n*.
3	St:St-Cu.	St:St-Cu.	Cu:Ci.	9	8	8	4	2	1	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} bc *a* : bcy *p* : bc b ⌓ *n*.
4	St-Cu.	St:St-Cu:A-St.	Fr-St:St-Cu:A-St.	9	9	9	10	10	9	m	l	m	m	l	l	...	...	...	...	●^{0}	...	b ⌓ to cv *a* : cv to i ●^{0} *p* : i ●^{0} to bc *n*.
5	St:St-Cu:A-Cu:Ci.	Cu:St-Cu:Ci.	St:St-Cu:Ci.	7	9	7	3	8	10	m	m	m	m	l	l	...	...	...	...	...	...	b ⌓ to cv *a* : cv, bcv *p* : c *n*.
6	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	10	10	8	l	k	k	k	k	k	...	...	...	...	...	...	i ●^{0} to c *a* : c *p* : ci ● to bc *n*.
7	St:Nb:A-St.	Nb.	St:St-Cu.	10	10	10	9	4	3	k	I	I	J	k	l	...	●^{0}	●	...	...	...	i ● to continuous ●^{0} *a* : continuous ● ●^{2} to bc *p* : [p ● p ●^{2} *n*.
8	Cu:Nb:A-Cu:Ci.	Cu-Nb:St-Cu:A-St:A-Cu	Cu:St-Cu:A-Cu:Ci-Cu	8	8	8	9	8	7	l	l	l	l	k	k	...	...	...	...	...	...	p ●^{2} p ●^{0} *a* : c *p* : p ● *n*.
9	Cu:St-Cu:A-Cu.	Cu:A-St:A-Cu.	Cu:St-Cu:A-Cu.	6	7	3	7	4	10	l	l	l	l	l	l	...	...	...	...	...	...	p ●^{0} *a* : fair *p* : p ●^{0} p ● *n*.
10	Fr-Cu.	St:St-Cu.	St:St-Cu.	1	1	7	5	7	3	l	l	k	l	l	l	...	...	...	...	...	...	b ⌓ to bc *a* : p ●^{0} *p* and *n*.
11	Cu:Nb:St-Cu:A-Cu.	St:St-Cu.	St-Cu.	9	9	9	9	9	9	l	l	m	m	m	m	...	...	...	...	...	...	p ●^{0} to c *a* : cv *p* and *n* : ⌓ *n*.
12	St:St-Cu.	St:St-Cu.	St-Cu.	10	10	9	1	2	10	m	m	k	m	l	J	...	...	...	...	...	...	cv ⌓ to p ●^{0} *a* : fair *p* : ● to p ● *n*.
13	Cu:St-Cu:A-Cu.	St:St-Cu.	St:Nb:A-St.	9	9	9	10	10	10	l	k	l	l	J	J	...	...	...	...	●^{0}	●^{0}	p ● p ●^{0} *a* : p ● to i ●^{0} *p* : continuous ●^{0} to p ●^{0} *n*.
14	Cu:St-Cu.	Cu:St-Cu.	Cu-Nb:Nb:St-Cu.	8	8	3	6	7	7	l	l	l	l	l	l	...	...	...	...	●^{0}	...	● p ●^{0} *a* : p ●^{0} to bc *p* : p ● *n*.
15	Cu:St-Cu:A-Cu.	St:Cu:St-Cu.	St:St-Cu.	4	3	6	5	10	10	l	l	l	l	J	h	...	...	...	...	...	d$_0$	p ●^{0} to bc *a* : fair *p* : continuous d$_0$ *n*.
16	St:St-Cu.	St.	St.	10	10	10	10	10	9	k	h	h	I	G	k	...	d$_0$	d$_0$	...	d$_0$	...	●^{0} d$_0$ *a* : id$_0$ *p* : id$_0$ to c *n*.
17	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	10	9	10	10	10	l	l	l	J	J	k	...	...	...	...	...	...	c *a* : id$_0$ i ●^{0} *p* : i ●^{0} *n*.
18	Fr-St.	Cu:St-Cu:Ci-St.	Cu:St-Cu:A-Cu:Ci-St	3	5	9	9	9	7	l	k	l	l	l	l	...	...	...	...	...	...	bc p ●^{0} *a* : c *p* : c to bc *n*.
19	St:St-Cu.	St:Nb.	St.	10	10	10	10	9	4	l	G	G	G	J	l	...	●	●	●	...	...	id$_0$ continuous ●^{0} *a* : continuous ● ●^{0} *p* : fair *n*.
20	St:St-Cu.	Fr-St:A-St:A-Cu.	Fr-St:Nb.	10	10	9	10	10	10	k	k	k	k	J	k	...	...	...	...	●^{0}	●^{0}	p ● id$_0$ to c *a* : ● ●^{0} *p* : i ●^{0} *n*.
21	A-St:A-Cu.	St:A-St.	Fr-St:A-St.	7	9	10	10	10	10	l	l	m	m	m	m	...	...	...	...	...	...	p ● early otherwise cloudy.
22	St:A-St.	Cu-Nb:Ci.	Cu-Nb:Cu:Ci.	10	8	3	4	5	9	l	l	m	m	m	l	●	...	...	...	...	●^{0}	p ● to bcy *a* : fair *p* : p ●^{0} p ● *n*.
23	Cu:St-Cu:A-St:A-Cu	Cu:Nb:St-Cu:A-St.	St:Nb:A-St.	9	10	9	8	10	10	l	k	l	l	l	k	...	●^{0}	...	...	●^{0}	●^{0}	p ●^{0} i ●^{0} *a* : i ●^{0} *p* : i ●^{0} i ● *n*.
24	St:St-Cu.	St:Nb:St-Cu.	Cu:Ci.	10	10	9	9	4	2	J	J	k	k	l	l	...	...	...	...	...	...	i ● to c *a* : p ●^{0} to bc *p* : fine *n*.
25	St:St-Cu:A-St:A-Cu	St.	St.	8	10	10	10	10	10	k	h	E	G	h	h	...	...	d$_0$	●^{0}	●^{0}	d$_0$	bc to od$_0$ *a* : continuous d$_0$ ●^{0} *p* : i ● id *n*.
26	Cu:St-Cu.	Nb:St-Cu.	Nb:St-Cu.	3	4	4	6	6	5	k	k	l	l	l	l	...	...	●^{0}	●^{0}	●^{0}	...	p ●^{0} p ● *a* and *p* : p ●^{2} *n*.
27	Cu:St-Cu:Ci-Cu:Ci.	Nb:St-Cu.	Cu-Nb:Nb.	3	10	10	8	8	3	k	I	k	l	k	l	...	●^{2}	...	●^{0}	●	...	p ●^{2} q to ● *a* : p ●^{0} q *p* : p ▲● *n*.
28	Cu-Nb:Cu.	Cu-Nb:Nb.	Cu-Nb.	4	9	7	6	2	1	l	l	l	l	l	l	...	●	...	...	...	...	p ● q *a* : p ●^{0} p ● *p* : p ●^{0} to b *n*.
29	St.	St:Nb.	Cu-Nb:Nb:St-Cu.	10	10	10	9	9	3	I	G	J	J	J	J	●^{0}	●^{0}	●^{0}	...	...	...	Continuous ●^{0} *a* : p ●^{0} p ● *p* : p ● q *n*.
30	Cu-Nb:Cu.	Cu:Nb:A-Cu.	Cu-Nb:Cu:Nb:A-Cu.	8	9	8	9	7	4	J	J	k	k	k	k	...	...	...	...	...	...	p ●^{0} all day.
31	St-Cu:A-St:A-Cu.	St:A-St.	St:St-Cu.	8	9	10	10	10	10	k	k	k	I	J	J	...	...	...	d$_0$	...	●^{0}	bc to c *a* : id$_0$ *p* : id$_0$ i ●^{0} *n*.
Mean Cloud Am'nt.				7·6	8·3	8·1	7·7	7·4	6·6													
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.						

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 287.

439. Cahirciveen (Valentia Observatory). November, 1932.

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-Cu.	Fr-St:Cu:A-Cu:Ci.	St:St-Cu.	10	8	5	10	9	1	J	J	k	k	J	J	...	...	...	...	...	...	c to bc *a* and *p* : b to c i ● *n*.
2	St:St-Cu.	St. •	St.	10	10	10	10	10	10	J	J	J	I	G	I	...	●	...	...	d$_0$	d$_0$	● ●^{0} *a* : d$_0$ to c *p* : id$_0$ i ●^{0} *n*.
3	St:St-Cu.	St.	St:St-Cu.	10	10	10	10	10	10	J	J	I	J	J	I	...	d$_0$	d	...	...	●^{0}	● d$_0$ d *a* : d d$_0$ *p* : continuous ●^{0} ● *n*.
4	Cu:St-Cu:A-Cu.	St:Cu:St-Cu.	St:Cu:St-Cu.	4	5	4	3	6	3	l	l	I	l	l	l	...	...	...	...	...	...	● to bc *a* : p ●^{0} *p* : bc ⌓ *n*.
5	St-Cu.	Fr-Cu:A-Cu.	A-Cu.	1	1	1	1	1	0	l	m	m	m	m	l	...	...	...	...	...	...	Fine : ⌓ early and late : v *a* and *p*.
6	St-Cu.	St:St-Cu.	St:Nb:St-Cu.	9	9	9	9	10	9	l	k	I	J	J	J	...	...	...	...	...	...	b ⌓ early otherwise cloudy.
7	St:St-Cu.	Fr-Cu:St-Cu.	Fr-Cu.	9	0	2	1	1	4	J	J	l	l	J	J	...	...	...	...	...	...	Mainly fine.
8	St:St-Cu.	St-Cu.	St-Cu.	10	9	9	9	10	10	k	l	k	k	k	k	...	...	...	...	...	...	bc to c *a* : c to o *p* and *n*.
9	St-Cu.	St-Cu:Ci.	St:St-Cu.	9	8	9	10	10	9	k	l	l	l	l	J	...	...	...	...	...	...	Fair *a* and *n* : c *p*.
10	---	Cu:St-Cu:Ci.	St:St-Cu.	0	2	7	8	9	8	k	l	l	m	l	l	...	...	...	...	...	...	b ⌓ to bc *a* : c *p* and *n* : Ⓣ 21h.
11	Nb:St-Cu.	Cu:St-Cu:Ci.	St:Nb.	9	9	8	9	10	9	k	I	l	k	h	l	...	...	...	...	●^{0}	...	Cloudy *a* and *p* : continuous ●^{0} to c *n*.
12	Nb:St-Cu.	St:St-Cu:A-St.	St:St-Cu:A-St.	10	9	10	9	10	10	J	J	J	J	J	J	...	...	...	...	...	...	Cloudy all day.
13	St:St-Cu.	St:St-Cu:Ci-Cu:Ci.	St-Cu:Ci.	9	9	9	9	4	8	J	k	J	J	J	k	...	...	...	...	...	...	c *a* and *p* : bc to c *n*.
14	St-Cu.	St-Cu.	St:St-Cu.	10	10	10	10	10	9	k	k	l	l	k	k	...	...	...	...	...	...	Cloudy to overcast all day.
15	St:St-Cu.	St:St-Cu.	Cu:St-Cu:Ci-Cu.	10	8	9	9	2	9	k	k	l	l	l	l	...	...	...	...	...	...	c to bc.
16	St-Cu.	St:St-Cu.	Cu.	9	9	9	9	1	9	l	l	l	k	k	J	...	...	...	...	...	...	c *a* : c to bc *p* and *n*.
17	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	10	10	8	9	k	k	J	J	I	I	...	...	...	...	...	...	id$_0$ early and late otherwise cloudy.
18	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	10	10	10	8	k	k	l	J	k	k	...	...	●^{0}	●^{0}	...	...	c *a* : i ●^{0} to continuous ●^{0} *p* : c *n*.
19	Cu:St-Cu.	Fr-Cu:St-Cu.	Cu:St-Cu.	2	1	2	2	3	10	l	l	m	m	m	l	...	...	...	...	...	...	⌓ early *a* : v *p* : fine to fair.
20	Cu:St-Cu:Ci-Cu:Ci.	Cu:St-Cu:Ci-Cu:Ci.	Fr-Cu:Nb.	9	10	8	6	8	3	l	l	l	l	l	l	...	...	...	...	●^{0}	...	i ● p ● p ●^{0} *a* : p ●^{0} *p* and *n*.
21	Cu:St-Cu.	St:St-Cu-Ci-St.	St:St-Cu:A-St.	8	3	9	10	10	10	l	l	l	l	l	k	●^{0}	...	...	...	...	●	p ●^{0} *a* : c *p* : continuous ● *n*.
22	St:St-Cu.	St:Nb.	St:St-Cu.	10	10	9	8	9	9	J	I	k	l	l	k	●^{0}	●^{0}	...	...	...	●	i ●^{0} p ●^{0} *a* : c p ● *p* and *n*.
23	Nb:St-Cu.	St:Nb:St-Cu.	St:Cu-Nb.	9	7	3	7	3	9	k	k	k	k	k	k	...	...	...	...	...	...	p ●^{0} p ● throughout.
24	St:St-Cu.	St.	St:St-Cu.	9	4	10	9	10	10	k	l	I	k	k	J	...	...	...	...	...	...	bc to id$_0$ *a* : id$_0$ *p* and *n*.
25	St.	St:St-Cu.	St:St-Cu.	10	9	10	9	10	10	G	J	k	k	k	h	d	...	...	...	...	●^{0}	id id$_0$ *a* and *p* : id$_0$ i ●^{2} i ●^{0} *n*.
26	Nb:St-Cu.	Cu-Nb:St-Cu.	St:Cu-Nb:St-Cu.	8	8	4	4	6	9	k	k	l	l	k	k	...	...	...	...	...	...	p ●^{0} p ● throughout.
27	Cu:St-Cu.	Cu-Nb-Nb.	Cu-Nb.	4	5	7	7	2	8	k	l	l	l	l	k	...	...	...	...	...	●^{0}	p ●^{0} p ● q throughout.
28	Cu:St-Cu:Ci-Cu:Ci.	St:St-Cu.	St:St-Cu.	3	5	10	10	10	10	l	k	k	J	J	J	...	...	...	...	...	...	p ●^{0} to bc *a* : id$_0$ *p* : c to bc *n*.
29	St-Cu:A-St.	St:St-Cu.	St:A-St.	8	9	9	10	10	3	k	k	k	k	h	k	...	...	...	...	●	...	bc to c *a* : c *p* : continuous ● to bc *n*.
30	St-Cu:Ci.	St:Cu:St-Cu:A-Cu.	St:St-Cu.	2	3	9	10	6	1	l	l	k	J	l	l	...	...	...	●	...	...	i ●^{0} p ●^{0} *a* : p ●^{2} p ● *p* : p ●^{0} *n*.
Mean Cloud Am'nt.				7·7	7·0	7·7	7·9	7·2	7·6													

440. Cahirciveen (Valentia Observatory). December, 1932.

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:St-Cu.	Cu:Ci.	St:St-Cu:Ci-St.	2	3	2	8	9	10	l	l	l	l	l	l	...	...	...	...	...	...	p ● to bc *a* : p ●^{0} *p* : p ●^{0} to i ●^{0} *n*.
2	Nb.	Cu:St-Cu.	St:St-Cu.	10	9	3	7	9	4	J	k	l	l	l	l	●	...	...	...	...	...	Continuous ● to bc *a* : bc to c *p* : i ● to bc *n*.
3	Cu:St-Cu.	Cu:St-Cu.	Cu:St-Cu.	3	6	6	8	4	1	l	l	l	l	l	l	...	...	...	▲	...	...	p ●^{0} *a* : p ▲ ● *p* : p ●^{0} *n*.
4	St-Cu.	Cu:St-Cu:Ci-Cu:Ci.	Cu:St-Cu.	8	6	5	5	3	3	l	l	l	m	l	l	...	...	...	...	...	...	Fair to fine : ⌓ *n*.
5	St-Cu.	St-Cu.	St-Cu.	4	4	7	9	5	3	l	m	m	m	m	m	...	...	...	...	...	...	Fair to fine : ⌓ early : v *p*.
6	St-Cu.	Cu:St-Cu:Ci.	Cu:St-Cu:Ci.	4	4	7	5	6	8	l	k	l	l	l	l	...	...	...	...	...	...	Fair : y *p*.
7	St-Cu.	St:St-Cu:A-St.	St:St-Cu:A-St.	9	9	9	9	9	9	l	l	l	l	l	l	...	...	...	...	...	...	bc early otherwise cloudy.
8	St-Cu.	St:St-Cu:Ci.	St:St-Cu:Ci.	5	9	7	7	7	7	l	l	l	l	l	l	...	...	...	...	...	...	bc early otherwise cloudy : y *p* and *n*.
9	St-Cu.	Cu.	Cu:St-Cu.	3	5	2	2	2	9	l	l	l	l	l	l	...	...	...	...	...	...	Fair to fine.
10	St-Cu.	St:Cu:St-Cu.	Cu:St-Cu.	4	6	7	8	5	8	l	l	k	k	k	k	...	...	...	...	...	...	Fair to cloudy.
11	St-Cu:Ci.	Nb:St-Cu:A-St:A-Cu.	Cu:Nb:A-St:A-Cu.	7	9	9	9	8	9	l	l	l	l	l	l	...	...	...	...	...	...	Cloudy.
12	St:St-Cu.	St:St-Cu.	St:St-Cu.	10	10	8	9	10	9	l	k	k	k	k	k	...	●^{0}	...	...	...	●^{0}	i ●^{0} *a* : id$_0$ *p* : p ● i ●^{0} *n*.
13	St:St-Cu:A-Cu.	St:St-Cu.	St-Cu.	9	10	10	8	4	10	l	J	k	k	l	l	...	●^{0}	...	...	...	...	i ●^{0} *a* : p ●^{0} *p* : bc to ●^{2} *n*.
14	Cu:St-Cu:A-Cu.	Cu:Ci.	Cu:St-Cu:Ci.	3	9	2	3	3	10	l	k	l	l	l	l	...	●	...	...	...	...	● p● *a* : p ●^{0} to bc *p* : bcc *n*.
15	Nb:A-Cu.	Cu:Ci.	St:St-Cu.	9	1	2	9	2	10	J	k	k	k	k	J	...	...	...	...	...	●^{0}	Continuous ● early i ●^{0} *n* : otherwise fair.
16	St:Nb.	St:Nb.	St:Nb.	10	10	10	10	10	10	I	h	h	h	h	G	●^{0}	●	●	●^{0}	●^{0}	●^{2}	Continuous● *a* : continuous ●^{0} *p* : continuous ●^{2} ш *n*.
17	St.	Nb.	St:Nb.	10	10	10	10	10	10	I	h	h	G	G	h	d$_0$	d$_0$	●^{0}	d	●^{0}	d$_0$	ш continuous d$_0$ i ●^{0} *a* : i ●^{0} *p* : i ●^{0} continuous ● *n*.
18	St.	St.	St:Nb.	10	10	10	10	10	10	h	G	G	G	I	J	d$_0$	●^{0}	●^{0}	●^{0}	...	...	Continuous ●^{0} d$_0$ *a* and *p* : i ● to c *n*.
19	St:Nb:A-St.	Nb:A-St.	St:Nb:A-St.	10	10	10	10	10	10	k	k	k	k	k	k	...	...	●	●^{0}	●^{0}	...	p ● i ●^{0} *a* : continuous ●^{0} *p* : i ●^{0} p ● *n*.
20	Cu:St-Cu.	Fr-Cu.	St:St-Cu.	6	1	1	5	9	10	l	l	m	m	l	J	...	...	...	...	...	...	bc to b *a* and *p* : v *p* : id$_0$ i ●^{0} i ● *n*.
21	St:St-Cu:A-St.	St:Nb.	St:Nb.	10	10	10	10	10	8	k	k	J	J	J	k	...	...	●^{0}	●	●^{0}	...	c to ●^{0} *a* : continuous ● *p* : i ● i ●^{0} *n*.
22	St-Cu:A-Cu.	St:Nb.	St:Nb.	9	9	10	10	10	10	l	l	J	I	h	I	...	...	●^{0}	●^{0}	●	...	i ●^{0} *a* : continuous ●^{0} *p* : continuous ● to i ●^{0} *n*.
23	Cu:Nb:St-Cu.	Cu-Nb:St-Cu.	St:St-Cu.	9	8	4	7	10	3	k	k	l	l	k	k	...	●^{0}	...	...	...	...	p ●^{0} *a* : bc to p ●^{0} *p* : p ● p ●^{0} *n*.
24	Cu.	Cu:St-Cu:Ci.	Cu:St-Cu.	1	4	3	6	2	4	l	k	k	k	k	k	...	...	...	...	...	...	Fair to fine.
25	St:St-Cu.	St:Cu:St-Cu.	St:St-Cu.	5	7	9	9	9	10	k	k	k	k	k	k	...	...	...	...	...	...	p ●^{0} early otherwise fair to cloudy.
26	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	9	10	10	10	k	k	l	l	J	h	...	...	...	...	d$_0$	●^{2}	bc to c *a* : c *p* : id$_0$ to continuous ●^{2} *n*.
27	St:St-Cu.	St:St-Cu:Ci.	Cu:St-Cu:A-St:A-Cu.	4	9	8	8	4	8	l	J	l	l	l	l	...	...	...	...	...	...	bc to id$_0$ *a* : c *p* : b to c *n*.
28	Fr-Cu:St-Cu.	St:St-Cu.	St:St-Cu.	6	10	10	10	10	10	l	h	k	k	k	J	...	●^{0}	...	...	...	...	bc to continuous ●^{0} *a* : id$_0$ i ●^{0} *p* and *n*.
29	Nb.	St:Cu-Nb:Ci-Cu:Ci.	Cu-Nb:Cu.	10	10	8	2	3	1	I	I	k	l	l	l	●	●	...	...	...	...	id$_0$ to continuous ● *a* : *p* ●^{0} *p* and *n*.
30	Nb.	Cu-Nb:St-Cu.	St:Fr-St.	9	7	3	4	3	7	k	k	l	m	m	l	...	●^{0}	...	...	...	...	i ●^{0} p ● *a* : bc v *p* : bc v to c *n*.
31	Nb.	St:St-Cu:A-St.	St-Cu-A-Cu.	10	10	10	8	3	6	h	k	k	l	l	l	●	...	...	...	...	...	ш continuous ● to o *a* : p ●^{0} *p* : p ● p ▲ *n*.
Mean Cloud Am'nt.				7·0	7·5	6·8	7·6	6·7	7·6													
Mean Annual Cloud Am'nt.				7·6	7·5	7·6	7·6	7·4	6·9													
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.

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 287.

M.O. 360
(Richmond)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

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

RICHMOND (KEW OBSERVATORY)

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
HIS MAJESTY'S STATIONERY OFFICE
1934

RICHMOND (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 Tube Anemograph	28

"Heights in Metres above Ground"

Thermometer Bulbs	3·0
Sunshine Recorder	13·3
Dines Tube Anemograph	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 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. General views of the Observatory building and the exposure lawn are to be found in the 1928 volume. The photographs were taken in 1925, but the only changes (before the end of 1932) which need be noted are the substitution of other experimental screens for the small marine screens which were being tested in 1925, the removal in 1929 of the hedge near the North Wall Screen and the erection in place of the Robinson anemometer of the New Dines Anemometer with its vane 5·3 metres above the dome. For the early history of the Observatory 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 ·3mb 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 and are still recognised as standards. A zero correction is based on these comparisons. The correction + 0·2 mb. (+ ·006 mercury inch) which has been applied for many years, remained in use. Comparisons are made on the assumption that the value of the acceleration due to gravity is g= 981·199 cm./sec^2. This is the value given by pendulum observations.††† The departure from

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* The Observatory 1882, p.279 ‡ The Record of the R. Soc., 1897.
† R.Soc.Proc., Vol.39 (1885) pp.37-86 †† Proc. of the Optical Convention, 1926
‡‡ History of the British Association.

††† 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 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 7 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; for the wet-bulb, the old Falmouth wet-bulb tube (no number) was in use and the scale value was 1 mm.=0·290a.

The control thermometers, which were graduated and mounted by Messrs. Negretti & Zambra in 1915, had been made and filled many years before and were therefore well seasoned. The National Physical Laboratory certificates dated 1916 give corrections to the nearest 0·05°C., the largest being 0·10°. The thermometers are tested each January in ice. According to tests made in January, 1932, there was no indication of any change of zero. The water for the wet-bulb thermometers used to be supplied from a small open tank inside the screen and it was customary to fill the tank to overflowing several times each day, In November, 1925, a tank was fitted outside the screen. A tube leads from this tank to two cups from which wicks are taken to the wet-bulbs. A further improvement was made in July, 1926, when a large inverted bottle was set up over the tank. Water flowing from this bottle keeps the level constant in the tank and the cups. The height of the apparatus is adjusted so that water drips slowly 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.

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 thermograph in a second North Wall Screen are adopted. There were 5 hours in the year for which this was necessary.

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* For descriptions of this instrument see "Observatories' Year Book," 1923 p. 94, and "London, Q. J. R. Meteor. Soc.," 55, 1929, p. 37.

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. 410 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 1932, as in previous years, the temperatures published for Kew Observatory in the Daily Weather Report and elsewhere also refer to the North Wall Screen. For the daily and weekly reports the readings of maximum and minimum thermometers exposed in that screen are utilised.

"Rainfall".—As from January, 1921, the standard raingauge for the Observatory has been an 8-inch gauge with the deep "Snowdon" funnel. The site is level and protected from wind, principally by hedges about 1½m. high and distant 11 metres to East and 17 metres to West. The readings of this standard gauge are at 7h and 18h. The hourly readings of the Beckley gauge are adjusted to give totals in agreement with the standard gauge.

"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".—Observations are made with an Ångström pyrheliometer, which measures the intensity of the direct radiation received from the sun by a surface which is normal to the sun's rays. The observations are made within half an hour of noon on all days except Sundays, provided that the sun is visible and not too much obscured by cloud, fog or thick haze. The conditions of the intervening atmosphere are indicated in Tables 499-510 in the column "sky". The amount of radiation is given in milliwatts per square centimetre in the column headed "total". For conversion to the unit more ordinarily employed abroad, the following relation may be used, lmw. per sq. cm. = 0·01435 gramme-calorie per sq. cm. per minute. The vertical component, i.e., the direct radiation received per square centimetre of a horizontal surface, is also given.

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 Angström's original instructions.†† To bring the readings into accordance with the scale adopted by the Smithsonian Institution, a correction of + 3·5 per cent. would be required.‡

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* Prior to 1926 the tables, based on Glaisher's factors, published in "The Computer's Handbook," M.O. 223, Sec. 1, 1916, were used.

† 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.

†† Report of the International Meteorological Committee, St. Petersburgh, 1899, p. 57.

‡ R. E. Watson, "Geophysical Memoirs", No. 21, 1923.

"Wind Speed and Direction".—A new chapter in the record of the wind opened with the year 1931. From 1869 to the end of 1925 the velocity of the wind was estimated by means of the Robinson-Beckley cup anemograph mounted above the observatory dome. From the beginning of 1926 the Dines anemograph, already in use for some purposes, was adopted for the hourly tabulations. This anemograph, now known as the "old Dines anemograph," had its head at the same height as the Robinson cups. In 1929 the cup-anemograph was dismantled and a new Dines instrument was erected with the vane over the middle of the dome. This vane is three metres higher than that of the old Dines anemograph. There are other differences* between the two instruments, the new one having larger tubes between the vane and the receiver and having below the head a shield designed to eliminate the effects of any lack of symmetry in the attachment of the tubes to the head. After comparisons lasting a year the new anemograph was brought into regular use on January 1st 1931. The following details refer to the two instruments.

	New.	Old.
Pattern	Mark II	
Suction holes ..	80 holes in 4 rows of 20. Diameter 2 mm.	80 holes in 4 rows of 20. Diameter 3 mm.
Connecting tubes ..	Length 8 m. Internal diameter 24mm.	Length 17 m. Internal diameter 12 mm.
Height of vane above lawn ..	23 m.	20 m.

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.

As was anticipated, the mean velocity of the wind as recorded by the new anemometer at 23 metres above the ground is in excess of that recorded at 20 metres. The difference is about 9 per cent. Winds from various quarters are however affected differently as may be seen from a table published in the Introduction to the Year Book 1931.

"Earth Temperature."—The two thermometers in use were at 30 cm. and 122 cm. The ground in which the tubes for the thermometers are sunk is under grass. The soil is gravel. The site is well exposed. There are, however, three fruit trees about 9 metres to the east and 6 metres high. The bulb of the lower thermometer is 430 cm. above sea level. In some years the underground water surpasses this level. During 1932 the observations of temperature at 122 cm. were made with a thermometer which was suspended on alternate days in the ordinary iron tube and in a vulcanite tube. A note on the experiment has been published in the Meteorological Magazine (May, 1933)

"Minimum Temperature on the Grass."—The grass minimum thermometer is set at 18h and read at 7h on the succeeding day, the reading being assigned to

* The anemometer of the new type is described in the "Geophysical Memoirs" (No. 54, 1932) devoted to the Cardington researches on wind structure.

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 in use was M.O. 23007. This thermometer has a spherical bulb, diameter 17 mm.

Identification Numbers of Instruments in use in 1932.

Control Barometer	Newman 34
Control Dry Bulb Thermometer	Negretti & Zambra 173971
Control Wet Bulb Thermometer	Negretti & Zambra 173969
Control Raingauge (8-inch)	M.O. 1271
Measuring Glass for the Control Raingauge	M.O. 1615 & 1693
Campbell-Stokes Sunshine Recorder	M.O. 12
Dines Tube Anemograph Head	M.O. 1057
Dines Tube Anemograph Recorder	M.O. 1057
Earth Thermometer 1 ft.	M.O. 5
Earth Thermometer 4 ft.	"Swedish" (No number)
Grass Minimum Thermometer	M.O. 23007
Photo-thermograph (Dry Bulb	4 11
Photo-thermograph (Wet Bulb (Old Falmouth Wet Bulb)	No number
Photo barograph	"

Thermometer Corrections, 1932.

	173971. N.P.L. 1915.				173969. N.P.L. 1915				MO 5 N.P.L. 1913.		MO 23007 N.P.L. 1918	
Certified.	°A 255	+0·20	°A 285	−0·10	°A 255	+0·15	°A 285	0·10	°A 260	+0·1	°A 253	−0·1
	260	+ ·15	290	− ·10	260	+ ·15	290	·10	273	·0	263	− ·1
	265	+ ·10	295	− ·05	265	+ ·10	295	·05	280	·0	273	·0
	270	+ ·05	300	− ·10	270	+ ·10	300	·05	290	·0	283	·0
	273	− ·05	305	− ·05	273	·00	305	·05	300	·0	293	·0
	275	− ·00	310	− ·05	275	·00	310	·05	310	·0	303	·0
	280	− ·05	–	–	280	− ·05	–	–	–	–	–	–
Applied.	260) 270)	+0·1	–	–	260) 270)	+0·1	–	–	–	–	255) 268)	−0·1
	270·1) 283·0)	0·0	–	–	270·1) 283·0)	0·0	–	–	260) 310)	0·0	268·1) 303)	0·0
	283·1) 310·0)	−0·0	–	–	283·1) 310·0)	−0·1	–	—	–	–	–	–

* The hour of the readings to be published in the "Observatories' Year Book" was changed from 9h. to 7h. as from January 1st, 1924.

Notes on Meteorological Tables.

The year was notable for a deficiency of sunshine and for the high temperatures of January and August.

The lowest reading of the "grass minimum" thermometer was 261·9°A (12·0°F) on March 13th.

The lowest temperature in the North Wall Screen, 267·2°A (21·6°A) was recorded at 4h. on January 1st.

The maximum temperature in the same screen was 306·8°A (91.6°F) which occurred between 14h. and 15h. on August 19th.

The rainfall for the year was 8% below the normal. February, August, November and December were well below, while May and October were well above the normal.

The heaviest fall occurred on October 23rd., 30·9mm.

The total sunshine for the year, 1257 hours, was well below the normal, the deficit amounting to 221 hours. This being the lowest total since 1889.

May with 114 hours was the lowest since the records began, in 1880, and November of this year equalled the previous low record of 26 hours recorded in 1888.

The highest wind velocity recorded in a gust was 26 m/s. (57 mi/hr.) on March 30th.

"Diurnal Variation of Pressure and Temperature".— Harmonic Analysis. The first four harmomic components computed for each month are tabulated in Tables A and B.

The inequality is supposed to be given by the expression,

$$c_1 \sin (15\, t^\circ + \alpha_1) + c_2 \sin (30\, t^\circ + \alpha_2) + \ldots\ldots,$$

t being the time in hours since midnight. The angles α are the phases of the several sine-waves at midnight. The curves are tabulated according to Greenwich mean time but the phases in Table A 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.

TABLE A.

Diurnal Variation of Barometric Pressure. Fourier Coefficients. $\Sigma c \sin (nt + \alpha)$.
Richmond (Kew Observatory), Longitude 0° 19′ W. Local Mean Time.

1932	c1	α1	c2	α2	c3	α3	c4	α4
	mb.	%	mb.	%	mb.	%	mb.	%
January	·462	289	·388	148	·173	350	·100	188
February	·105	301	·372	146	·117	337	·027	89
March	·325	350	·470	148	·081	342	·047	358
April	·134	70	·379	145	·009	132	·053	325
May	·149	110	·307	145	·073	151	·021	306
June	·303	14	·342	144	·108	145	·020	302
July	·404	39	·338	146	·065	147	·005	142
August	·297	15	·371	139	·075	140	·053	297
September	·372	45	·333	143	·022	109	·056	325
October	·442	168	·301	162	·103	15	·014	349
November	·308	26	·397	160	·121	355	·046	221
December	·071	8	·374	146	·166	353	·069	192
Arithmetic Mean	·281	—	·364	—	·093	—	·043	—
Year	·142	21	·362	147	·040	13	·015	267
Winter	·167	215	·381	150	·143	349	·050	189
Equinox	·118	66	·369	149	·042	11	·041	337
Summer	·250	33	·339	143	·080	145	·022	298

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. $\Sigma c \sin (nt + \alpha)$.
Richmond (Kew Observatory), Longitude 0° 19′ W. Local Mean Time.

1932	c1	α1	c2	α2	c3	α3	c4	α4
	°A	°	°A	°	°A	°	°A	°
January	1·270	212	·349	37	·154	220	·022	1
February	1·379	205	·467	24	·113	223	·029	223
March	2·993	219	·768	43	·111	293	·098	179
April	2·469	230	·281	54	·166	34	·075	234
May	2·838	229	·158	61	·236	30	·006	82
June	3·991	222	·033	118	·323	339	·130	77
July	3·210	226	·093	181	·213	207	·045	29
August	4·066	223	·385	18	·293	16	·085	107
September	2·699	229	·582	70	·172	9	·058	185
October	1·790	234	·722	55	·116	283	·152	199
November	1·165	221	·387	46	·134	246	·040	120
December	1·069	226	·390	49	·194	207	·067	41
Arithmetic Mean	2·412	—	·385	—	·185	—	·067	—
Year	2·397	224	·357	47	·062	318	·027	145
Winter	1·208	215	·392	38	·144	222	·017	63
Equinox	2·477	227	·579	55	·097	346	·091	199
Summer	3·522	224	·110	40	·149	359	·060	79

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 mean height above sea level of the surface of the underground water. The level actually measured is the surface of water in a pipe which passes through the floor of the basement into the ground. The water level depends mainly on the state of the river Thames. The Observatory is close to Richmond lock, which is half-tidal, and the underground water is in summer a little below the level of low water above the lock (220 cm. above M.S.L). The effects of the spring and neap tides are conspicuous in the fluctuations of level in summer.

"Cloud Amount."—The mean cloud amounts for the six hours of observations 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	7·5	7·6	5·7	7·8	8·1	6·7	7·8	6·5	7·0	6·8	8·1	6·6	7·2

"Mean Amount of Cloud for the Year at the Six Observation Hours".

Hour ..	7h	9h	13h	15h	18h	21h
Cloud ..	7·1	7·5	7·9	7·7	6·9	6·1

"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 tress 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.	Actual Object	View Point	Bearing	Actual Distance	Standard Distance
X	Verification House (Not Visible)	S.W. Corner of Observatory Bldg.	S.W.	25 metres	25 metres
A	Verification House	" "	S.W.	25 "	25 "
B	17ft. Stevenson Screen	S.E. Corner of Observatory Bldg.	S.W.'S.	50 "	50 "
C	New Magnetic Hut	S.W. Corner of Observatory Bldg.	S.'W.	110 "	100 "
D	S.W. Tree	" "	S.W.	200 "	200 "
E	Golf Club House	Observatory ..	S.E.'E.	500 "	500 "
F	Orange Tree Hotel	" ..	S.E.'E.	970 "	1,000 "
G	St. Matthias Church	" ..	S.E.	1,900 "	2,000 "
H	South Ealing Church	" ..	N.'W.	4,000 "	4,000 "
{	Mortlake Chimney well visible...	" ..	E.	3,500 "	}
i	Chelsea Chimneys not visible ..	" ..	E.	9,300 "	7,000 "
J	Chelsea Chimneys	" ..	E.	9,300 "	10,000 "
K	Surrey Hills	" ..	S.'E.	20,000 "	20,000 "
l	Surrey Hills well visible ..	" ..	S.'E.	>20,000 "	30,000 "
m	Surrey Hills, exceptionally visible.	" ..	S.'E.	>20,000 "	50,000 "

ATMOSPHERIC ELECTRICITY.

In Atmospheric Electicity 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 the 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. Since the capacity is $6{\cdot}00 \times 10^{-11}$ farads and the diameter of the plate is 20·8 cm., the formula reduces to

$$F = 2{\cdot}00v.$$

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

$$i = C\delta v/At = 590 \times 10^{-18}\,\delta v$$

where δv is the voltage acquired by the plate in t seconds and t = 300. 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 λ_+ is deduced. No observations are made during rain

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* Cambridge Proc. Phil. Soc., 13, 1906, p. 184.
† London Meteor. Off., Geophys. Mem. No.60,1934.

nor when the potential gradient is negative.

The use of the test plate at ground level introduces 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 1932 the mean value of the current for the year, allowing equal weight to each month is 110×10^{-18} amp. cm.$^{-2}$ This is somewhat higher than the corresponding values for other years, the mean value for the period 1912 to 1931 being 98×10^{-11} amp. cm.$^{-2}$ The mean value of the conductivity for the year is 37×10^{-18} ohm.$^{-1}$ cm.$^{-1}$ whilst the mean of corresponding values for the period 1912 to 1931 is 36×10^{-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 1·21m from the window and 1·87m 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 is 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 period from Feb. 10th., when the radio-active collector was introduced, to the end of the year was 2·68. 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 37·3 cm. above ground in the paddock.

On the few occasions when the electrograph in the Clinical House was out of action the values of potential gradient were derived from a subsidiary electrograph in the New Magnetic Hut.

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 figures 0, 1, and 2 during the years 1914-1931 inclusive were 186: 138: 41. The corresponding figures for 1932 are 195: 132: 39.

In accordance with a resolution of the International Union for Geodesy 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 electrographic 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 line, and that the sign of the mean value was uncertain.

The extreme hourly values in Table 542 are 1805 v/m at 9h on Feb. 7th and -1285 at 21h on April 16th. The former value is representative of foggy conditions; on this occasion fog developed after 21h on the 6th after a fine evening and continued until about 14h on the 7th, the potential gradient exceeding 1000 v/m from 5h to 13h on the 7th. The extreme negative gradient was associated with light rain and mist. The gradient was negative from 17h on the 16th until 1h on the 17th., and was highly negative from 20h until 24h.

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 of certain quiet days selected from those entirely free from negative potential gradient. Other objects aimed at in the selection of the days are freedom from large irregular movements, absence of indications of inferior insulation in the electrograph and the avoidance, so far as possible, of large non-cyclic changes. With one exception the quiet days numbered 10 in each month; but to complete that number in October it was necessary to include four 24-hour periods which did not commence at midnight. In April nine quiet days only were obtainable, three of which were composite days. Except in this case 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 correction 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 21h., 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) 1910-1932.

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	1918	388	156	20	2	1926	313	132	20	4
1911	337	172	9	4	1919	371	139	8	4	1927	353	144	19	3
1912	336	167	9	4	1920	353	137	9	3	1928	334	139	9	3
1913	375	179	19	3,4	1921	315	148	20	3,4	1929	379	153	9	4
1914	386	189	20	3	1922	356	161	20	4	1930	373	183	9	3
1915	397	194	19	5	1923	356	179	9	4	1931	379	171	20	4
1916	411	169	20	4	1924	368	149	20	4	1932	391	173	21	4
1917	397	172	20	4	1925	365	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 invest-

* A description of the instrument is given in the "Report of the Advisory Committee for Atmospheric Pollution", 4th Report, 1917-1918, p. 20.

igation 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/m^3. When fog prevails the auxiliary tank is put out of action and the unit shade reverts to the value 0·32 mg/m^3.

Special attention is now 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; and June 1, 1931.

During 1932 the highest estimate of pollution was 3·5 mg/m^3, this value occurring on March 14th from 10h to 11h. There were 39 days on which the pollution reached 1·0 mg/m.^{3}; the number of hours credited with 1·0 mg/m^3. or more being 209. The months in which these days and hours occurred are given in the accompanying table.

	days	hours
Jan.	10	47
Feb.	8	47
Mar.	9	51
Oct.	2	5
Nov.	6	37
Dec.	4	22
Year	39	209

Table 544 gives for each month mean hourly values derived from all the days for which complete records were obtained. There were 357 such days in the year. The highest and lowest of these hourly values are in heavy type.

Table 545 gives diurnal inequalities derived from the data in Table 544 after the application of non-cyclic corrections. The principal reason for computing the diurnal inequalities was to facilitate comparision 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/m^3.

†"Report of the Advisory Committee for Atmospheric Pollution," 3rd Report, 1916-1917, p. 20

	1926	1927	1928	1929	1930	1931	1932
Jan.-Feb. ..	·29	·25	·22	·40	·18	·24	·32
Mar.-Apr. ..	·30	·10	·18	·27	·13	·15	·26
May-June ..	·08	·07	·09	·05	·05	·06	·09
July-Aug. ..	·07	·05	·05	·06	·07	·07	·05
Sept.-Oct. ..	·19	·17	·15	·10	·13	·25	·15
Nov.-Dec. ..	·26	·21	·25	·21	·29	·33	·29
Year	·20	·14	·15	·18	·14	·18	·19

The nature of the diurnal variation is most easily recognised in Table 545. There is always a well defined minimum during the night and another in the early afternoon. The first maximum of the day usually occurs about 9h and the second one follows about 12 hours later. This double oscillation is apparently due to two causes, the variation in human activity in producing pollution and the variation in the wind which disperses it. In 1932 the principal maximum was in the evening from February to May and from October to December; in the forenoon in the remaining months. The principal minimum occurred in the afternoon from May to August; 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.‡

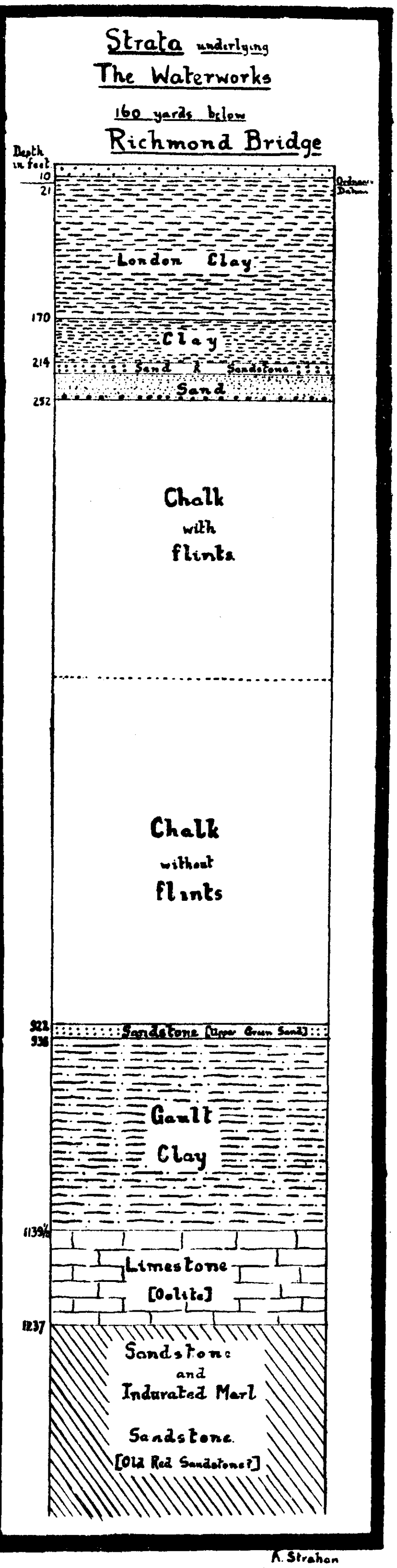
SEISMOLOGY.

Notes on Instruments.—The 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 17th, 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, Roy. Met. Soc., Q.J., Vol. 55 (1929) No. 231.

* Y. Dammann. "Contribution à l'étude des propriétés élastiques 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
Prof. Paper No 10, Survey of India

The concrete pillar rests on gravel. The underlying geological strata are shown in the diagram on this page. The diagram is based on the results obtained* in sinking a well near Richmond Bridge. The Richmond boring terminated at a depth of 440 metres in Old Red Sandstone. At Stonebridge Park, 8 km. to the north, a boring was carried down† to a depth of 600 metres, the last 280 metres being in Old Red Sandstone. There is no information as to deeper strata near Richmond. It may be noted, however, that the sandstone beds dip at about 30° and that a boring at Little Missenden, Bucks, entered Silurian rocks at a depth of 370 metres with no evidence of the presence of Old Red Sandstone.

For detailed description of the Galitzin seismograph and for particulars of interpretation of the records, reference may be made to Fürst B Galitzin's "Vorlesungen über Seismometric (Leipzig, 1914), or to G.W. Walker's "Modern Seismology" (London, 1913). ††

Timing is controlled by a half-seconds clock (Morrison 8587) which is rated daily by comparison with the Greenwich wireless time-signal relayed from Daventry. 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 values of the other constants which are used for deriving the scale values were re-determined in September 1932. In the case of the horizontal instruments it was found that the magnifications agreed closely with those obtained from the previous tests in October 1931. Some adjustments to the vertical pendulum were carried out on September 7th.

The table given below summarises the values of the constants. T is the free period of the pendulum, μ is a damping coefficient which van-

* "London. J. Geol. Soc"., 40, 1884, 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, "Geophysical Memoirs",

ishes 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 "transmission" factor. The factor $\frac{kAT}{4\pi l}$ determines the magnification for regular earth movements with a period equal to that of the pendulum.

Component	l	T	1932	T	μ^2	$\frac{kA}{\pi l}$	$\frac{kAT}{4\pi l}$
	mm.	sec.		sec.		$sec.^{-1}$	
N	118	24·68	Jan. 1 to Sept. 6	25·0	+0·01	46·2	289
			Sept. 6 to Dec. 31	25·1	0·00	47·2	296
E	118	24·80	Jan. 1 to Sept. 5	24·9	+0·02	44·0	274
			Sept. 5 to Dec. 31	25·1	+0·01	43·4	272
Z	360	13·04	Jan. 1 to Sept. 7	12·6	+0·02	114	359
			Sept. 7 to Dec. 31	12·8	+0·07	109	349

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.

Notes on Tables.—The "Seismological Diary", Table 546, contains the particulars of the earthquakes recorded at the Observatory. The notation employed is as follows:—

P is the normal first phase (longitudinal waves). Special cases of P occur when the waves are reflected from (P_cP) or penetrate (P') the earth's central core.

PR_1, PR_2 . . . are longitudinal waves reflected once, twice . . . near the earth's surface.

S is the normal second phase (transverse waves). S_cP_cS is a special case of S in which the waves penetrate the central core and pass through it as longitudinal vibrations.

PS and PPS are waves which suffer a change or changes from longitudinal to transverse oscillation or vice versâ, on reflection near the surface.

SR_1, SR_2 . . . 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 suffixes N, E, Z indicate that the estimates refer to the records from the north-south, east-west and vertical seismographs respectively. The absence of all these suffixes indicates that the estimates refer to all three records.

All times entered against the above phases are the times of arrival of the phases at the station.

m_1, m_2 . . . are successive prominent maxima of sinusoidal waves occurring in the preliminary phases. M_1, M_2 . . . are successive prominent maxima occurring during the principal or surface phase.

The period is the duration of a double oscillation (to and fro movement).

A_N, A_E, A_Z are the amplitudes, in microns (=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. When no sign is given the measurement refers to a long group of waves the amplitudes of which are the same.

The following formulæ, due to Galitzin, are employed for computing the times of the maxima and the amplitudes of sinusoidal waves:—

(1) Lag of the displacement shown by the galvanometer after the maximum displacement of the ground

$$\tau + \tau_1 = \frac{T_P}{2\pi}\left[\tan^{-1}\frac{2u\,(1-\mu^2)^{\frac{1}{2}}}{u^2-1} + \tan^{-1}\frac{2u_1}{u_1^2-1} + \frac{\pi}{2}\right]$$

each inverse tangent being taken as between 0 and π

(2) Magnification of record —

$$\frac{kA\,T_p}{\pi \ell}\cdot\frac{1}{(1+u^2)(1+u_1{}^2)\,\{1-\mu^2 f(u)\}^{\frac{1}{2}}}$$

where T_p is the period of the earth wave considered,

$$u = \frac{T_p}{T},\quad u_1 = \frac{T_p}{T_1}\ \text{and}\ f(u) = \left[\frac{2u}{1+u^2}\right]^2 .$$

Δ is the distance in kilometres of the epicentre measured along the arc of a great circle. For earthquakes located within 10,000 km. of Kew the distance is generally derived from the interval between P. and S. by the tables, 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.* The azimuth of the epicentre (0° to 360°) is measured from north through east. When an estimation of the azimuth is possible, it is used, together with Δ, for provisional determination of the co-ordinates of the epicentre. The co-ordinates given in the Diary have generally been received at a later date; the authorities for these determinations are inserted in brackets. Here the letters J.S.A. signify the Jesuit Seismological Association of America, and U.S.C.G.S., the United States Coast and Geodetic Survey.

Brackets enclosing figures or phase symbols indicate that the information is uncertain.

The total number of shocks recorded during the year was 246. The phases being sufficiently well defined, estimates of the epicentral distances were obtained for 57 shocks, whilst in 8 cases the records of the initial impulses were sufficiently sharp to allow of computations of azimuth and so of estimates of the co-ordinates of the epicentres. There were 8 earthquakes which produced a disturbance at the observatory with an amplitude exceeding 0·1 mm. in a horizontal component. These earthquakes originated in Celebes (May 14th.), in the Pacific Ocean south of Fiji (May 26th), in Mexico (June 3rd. and 18th), in Greece (September 26th and 29th), in Nevada (December 21st.) and in China (December 25h).

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

* Handbuch der Geophysik, Berlin, 1929, p. 212.

"Microseisms".—In Table 547 are given the amplitude (A) and period (T_p) of the microseisms shown by the north component seismograph on each day at 0h, 6h, 12h, and 18h. On a few occasions (less than 2 per cent. of the total number) when the north component record was not available measurements of the east component record have been included. 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 derived 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	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		
5	6	5·8	5·6	5·4	5·2			
6	5	4·8	4·7	4·5				
7	4·3	4·1	4·0	3·9				
8	3·7	3·6	3·5					
9	3·3	3·2	3·1					
10	3·0	2·9	2·8					
11	2·7	2·6						
12	2·5							

In computing the mean period occasions of zero amplitude are omitted. The mean values of amplitude and period for each month of 1932 and for the year, together with the corresponding mean values for the period 1926 to 1932, are given below:—

MICROSEISMS—MONTHLY AND ANNUAL MEANS.

1926 to 1931	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Amplitude (μ)	2·3	1·8	1·4	0·9	0·5	0·5	0·4	0·6	0·7	1·1	1·9	2·1	1·2
Period (sec.)	6·5	6·2	5·8	5·4	4·8	4·6	4·3	4·4	5·0	5·4	6·0	6·4	5·4
1932													
Amplitude (μ)	2·3	0·5	1·4	1·2	0·3	0·1	0·2	0·0	0:8	1·0	1·3	2·0	0·9
Period (sec.)	6·5	5·9	5·9	6·0	4·7	5·0	4·6	5·4	5·1	5·4	6·1	6·5	5·6

The means for the several hours are as follows:—

MICROSEISMS—MEANS AT SPECIFIED HOURS.

1926 to 1931	0h.	6h.	12h.	18h.
Amplitude (μ)	1·20	1·19	1·15	1·19
Period (sec.)	5·41	5·41	5·37	5·41
1932				
Amplitude (μ)	0·94	0·95	0·94	0·92
Period (sec.)	5·55	5·64	5·59	5·53

These figures indicate that there is no regular diurnal variation in amplitude or period of the microseisms recorded at Kew Observatory.†

* F.J.W. Whipple and F.J. Scrase, "On the Frequency of Microseisms of Different Periods at Eskdalemuir and at Kew," "London, Mon. Not. R.Astr.Soc.Geophys. Supp." **2**, No. 2, 1928.

† F.J.W. Whipple and A.W. Lee, "Studies in Microseisms," "London, Mon. Not. R. Astr. Soc. Geophys. Supp." **2**, No. 7, 1931.

Readings in millibars at exact hours, Greenwich Mean Time.

441. Richmond (Kew Observatory): H_b (height of barometer cistern above M.S.L.) = 10·4 metres. January, 1932.

Hour G. M. T. (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
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	021·9	022·1	022·0	021·6	021·1	020·6	020·0	019·8	019·6	019·1	018·1	017·2	016·2	015·7	015·4	015·3	015·2	014·8	014·4	014·3	014·1	014·1	014·1	014·5	017·7
2	014·4	014·4	014·6	014·3	014·4	015·5	014·6	014·8	015·0	015·3	015·6	015·3	014·3	014·4	014·2	014·3	014·4	014·5	014·7	014·7	015·0	015·3	015·5	015·7	014·7
3	015·5	015·4	015·4	015·3	015·2	015·5	015·4	015·9	016·9	017·4	017·8	017·6	017·3	017·5	017·7	018·0	018·5	018·5	019·0	019·5	020·5	020·8	021·3	021·4	017·5
4	021·4	021·7	022·0	022·4	022·5	022·4	022·4	022·6	022·7	022·9	022·7	022·2	021·6	021·2	020·8	020·6	020·3	019·7	019·2	017·7	017·5	017·1	017·2	017·5	020·3
5	018·0	018·3	018·6	019·1	019·0	018·3	018·3	019·5	019·5	019·1	018·1	017·0	015·4	014·1	013·3	012·6	011·5	010·0	008·8	007·5	006·2	004·9	003·6	002·4	014·2
6	001·1	000·4	999·0	998·5	997·6	996·7	996·4	996·2	995·8	994·9	993·3	991·3	988·9	987·4	986·1	984·8	982·8	982·2	983·1	983·3	984·1	985·5	987·5	989·0	991·4
7	990·7	992·6	994·0	995·1	996·2	997·1	997·8	998·4	998·5	998·4	998·0	997·5	997·1	996·3	995·9	995·4	995·1	995·0	994·8	994·5	994·3	994·0	993·9	993·7	995·5
8	993·7	993·8	994·2	994·5	995·3	995·8	996·8	997·7	998·8	999·3	000·5	000·8	000·9	001·1	001·8	002·3	002·9	003·3	003·8	004·5	004·9	005·3	005·7	005·9	999·9
9	006·3	006·4	006·8	006·9	007·1	007·3	007·2	007·2	007·6	007·7	007·1	006·6	005·7	004·8	004·4	003·9	003·2	002·3	001·5	000·5	999·7	998·8	998·4	997·8	004·6
10	997·1	996·6	996·4	995·7	994·9	994·2	994·1	993·8	993·6	993·7	993·2	992·3	990·9	990·4	989·5	988·5	988·1	987·6	987·4	987·5	987·9	987·9	988·2	988·7	991·8
11	988·8	989·7	990·3	990·5	991·0	991·5	992·4	993·2	994·1	995·2	995·4	995·4	995·7	995·9	996·4	997·1	997·8	998·5	999·1	999·7	000·7	001·3	001·9	002·4	995·3
12	002·7	003·9	005·0	005·8	006·6	007·7	008·8	009·8	011·0	011·7	012·0	011·5	011·1	011·1	011·2	011·2	011·5	011·1	011·0	010·4	010·3	009·8	009·0	007·7	009·1
13	006·1	005·2	003·9	002·8	002·2	002·0	001·5	001·5	002·1	002·9	004·0	004·7	005·3	005·7	006·3	006·9	007·6	008·3	009·1	010·1	011·5	012·4	013·7	015·0	006·1
14	016·3	017·5	018·5	019·1	019·7	020·5	021·2	021·5	021·9	022·3	022·1	021·5	021·2	020·6	020·5	020·3	019·7	019·4	018·6	017·6	016·1	015·5	014·5	013·5	019·2
15	012·8	011·7	010·7	011·4	011·8	012·7	013·7	015·4	017·0	018·5	019·1	019·6	020·1	021·0	021·3	022·0	022·5	022·9	023·1	023·4	023·4	023·3	023·0	022·7	018·3
16	022·6	022·3	022·2	021·9	021·7	021·6	021·5	021·6	021·5	021·7	021·6	020·8	020·4	019·7	019·2	018·7	018·4	018·2	017·6	017·4	016·8	015·9	014·8	014·1	019·9
17	013·1	012·4	012·2	013·1	014·1	014·8	015·8	017·3	019·6	020·8	021·8	022·6	023·0	023·6	024·4	025·1	025·9	026·3	026·5	026·9	027·7	027·5	027·7	028·1	021·0
18	027·7	027·7	028·0	027·9	028·2	028·4	028·6	029·2	029·7	030·5	030·8	030·5	030·4	030·5	030·8	030·9	031·3	031·4	031·6	031·7	031·9	032·1	032·2	032·0	030·1
19	031·8	032·0	031·9	031·8	031·7	032·0	032·2	032·7	033·2	033·4	033·1	032·7	032·5	032·2	032·1	031·9	031·6	031·5	031·7	032·0	032·1	031·9	031·7	031·6	032·1
20	031·4	031·1	031·0	031·0	030·9	030·9	031·1	031·3	031·9	032·0	032·0	031·6	031·1	030·7	030·7	030·7	030·9	031·0	031·5	031·7	031·8	031·8	031·8	031·5	031·3
21	031·1	031·0	030·6	030·0	030·0	030·2	030·4	030·7	030·5	030·7	030·5	029·8	029·0	028·3	028·3	028·3	028·4	028·4	028·8	028·7	029·0	028·5	029·0	029·0	029·6
22	029·0	028·7	028·7	028·6	028·8	029·0	029·4	030·4	030·1	030·9	031·2	031·2	031·0	031·3	031·5	032·1	032·5	033·4	034·0	034·2	034·9	035·3	035·8	036·1	031·4
23	036·2	036·4	036·8	036·7	037·0	037·4	037·8	038·2	039·0	039·5	039·5	039·4	039·1	038·9	039·1	039·1	039·3	039·3	039·4	039·4	039·6	039·8	039·5	039·5	038·5
24	039·2	039·0	038·4	037·5	036·9	036·6	036·4	036·3	036·2	036·2	036·1	035·5	035·1	035·0	035·0	035·3	035·6	035·7	036·1	036·2	036·3	036·5	037·0	037·4	036·5
25	037·2	037·6	037·9	037·9	038·0	038·5	039·4	039·6	040·7	041·1	041·5	041·2	040·8	041·0	041·3	041·5	042·1	042·9	043·5	043·7	044·0	044·4	044·7	044·3	040·9
26	044·7	045·0	045·0	045·3	045·6	045·9	046·5	046·8	047·2	047·5	047·5	047·4	046·9	046·9	046·9	047·1	047·3	047·3	047·5	047·4	047·2	047·1	046·9	046·8	046·6
27	046·5	046·3	046·1	046·1	046·2	046·3	046·2	046·2	046·2	046·1	046·1	045·6	044·8	044·4	044·1	044·1	044·1	044·0	044·2	044·1	044·1	043·7	043·3	043·0	045·2
28	042·4	042·0	041·6	041·0	040·6	040·1	040·1	040·1	040·0	040·0	039·9	039·5	038·8	038·0	037·7	037·4	037·3	037·5	037·3	037·3	037·4	037·1	037·0	036·6	039·2
29	036·3	036·0	036·2	036·1	036·3	036·2	036·2	036·6	036·9	037·3	037·2	037·0	036·5	036·1	036·2	036·5	036·8	037·0	037·1	037·2	037·6	037·7	037·8	037·8	036·7
30	037·7	037·6	037·6	037·7	037·7	037·7	037·7	038·3	038·7	038·9	039·2	038·9	038·4	038·1	038·3	038·8	039·3	039·6	040·1	040·4	040·8	041·1	041·5	041·7	038·9
31	041·8	042·0	042·3	042·5	042·7	043·0	043·3	043·6	044·3	044·4	044·4	044·0	043·6	043·0	042·9	042·9	042·9	043·0	043·3	043·2	043·1	043·0	042·7	042·5	043·1
Mean (Station Level)	1021 ·15	1021 ·19	1021 ·22	1021 ·23	1021 ·32	1021 ·46	1021 ·72	1022 ·14	1022 ·58	1022 ·90	1022 ·89	1022 ·52	1022 ·03	1021 ·77	1021 ·72	1021 ·73	1021 ·77	1021 ·76	1021 ·87	1021 ·83	1021 ·95	1021 ·92	1021 ·97	1021 ·95	1021 ·84
Mean (Sea Level)	1022 ·45	1022 ·49	1022 ·53	1022 ·53	1022 ·63	1022 ·77	1023 ·02	1023 ·44	1023 ·89	1024 ·20	1024 ·18	1023 ·82	1023 ·33	1023 ·06	1023 ·01	1023 ·02	1023 ·06	1023 ·06	1023 ·16	1023 ·13	1023 ·25	1023 ·22	1023 ·27	1023 ·25	1023 ·14

442. Richmond (Kew Observatory): H_b = 10·4 metres. February, 1932.

Hour G. M. T. (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	042·1	041·7	041·3	040·9	040·8	040·4	040·2	040·3	040·5	040·5	040·2	039·4	038·5	038·3	037·9	037·8	037·8	037·9	037·9	038·0	037·8	037·9	038·0	038·1	039·4
2	037·9	037·6	037·4	037·4	037·3	037·3	037·3	037·7	037·9	038·1	038·2	037·8	037·5	037·1	036·9	036·7	036·7	036·7	036·7	036·7	036·7	036·7	036·6	036·4	037·3
3	036·0	036·0	035·7	035·3	035·4	035·4	035·5	035·7	035·8	035·9	036·0	035·7	035·4	035·0	034·7	034·4	034·4	034·6	034·6	034·7	034·7	034·7	034·7	034·7	035·2
4	034·5	034·4	034·3	033·9	033·7	033·7	033·7	033·8	033·7	033·4	033·1	032·6	031·9	031·1	031·1	031·0	031·0	030·9	030·7	030·3	030·3	030·0	029·7	029·6	032·3
5	029·4	029·3	029·0	028·7	028·7	028·7	028·8	029·0	029·1	029·3	029·1	029·0	028·6	028·3	028·2	028·3	028·6	028·8	028·8	029·0	029·0	029·0	029·4	029·5	028·9
6	029·5	029·6	029·4	029·4	029·4	029·2	029·3	029·8	029·7	029·6	029·7	029·3	028·7	028·1	028·0	027·7	027·8	027·6	027·4	027·4	027·0	027·1	027·1	027·2	028·6
7	027·1	026·8	026·7	026·3	026·4	026·4	026·7	027·0	027·1	027·4	027·6	027·6	027·2	027·0	026·9	027·1	027·2	027·7	027·8	027·7	027·7	027·7	027·8	027·9	027·2
8	027·5	027·7	027·5	027·1	026·8	026·3	026·0	025·7	025·6	025·4	024·7	023·6	022·7	022·2	021·9	021·4	021·0	020·8	020·3	020·1	019·5	019·0	018·7	018·3	023·5
9	018·2	017·7	017·5	017·3	017·3	017·1	017·3	017·5	018·0	018·1	018·5	018·7	018·9	018·9	019·3	020·0	020·6	021·0	022·0	022·3	022·6	022·8	023·1	023·1	019·4
10	023·1	023·3	023·7	024·1	024·7	025·5	026·1	026·7	027·5	027·9	027·9	027·7	027·2	026·8	026·5	026·4	026·6	026·9	027·3	027·6	027·9	028·1	028·4	028·5	026·4
11	028·7	028·6	028·5	028·7	028·8	028·9	029·0	029·2	029·3	029·1	029·0	028·7	028·5	028·5	028·0	027·6	027·7	027·5	028·0	027·9	027·7	027·5	027·0	027·0	028·3
12	026·6	026·3	025·9	026·3	026·3	026·2	026·2	026·6	026·7	027·3	027·5	027·5	027·5	027·5	027·9	028·2	028·4	028·9	029·1	029·1	029·1	029·2	029·1	028·9	027·6
13	028·7	028·5	028·1	028·0	027·6	026·9	026·8	026·8	026·5	026·3	026·1	025·4	024·7	024·0	023·7	023·6	023·6	023·9	023·9	023·9	024·0	024·1	024·4	024·7	025·7
14	024·8	024·9	025·1	025·4	025·8	026·3	026·7	027·2	028·0	028·4	029·0	029·1	029·3	029·1	029·8	030·1	030·5	030·8	031·3	031·9	032·3	032·6	032·8	033·2	028·8
15	033·3	033·2	033·2	033·6	034·1	034·5	034·9	035·2	035·4	035·4	035·9	035·8	035·3	034·9	034·8	034·8	035·0	035·2	035·3	035·3	035·5	035·4	035·6	035·8	034·8
16	035·7	035·5	035·6	035·8	036·3	036·5	036·9	037·2	037·6	037·9	038·0	037·9	037·9	037·6	037·4	037·2	037·5	037·6	037·8	038·0	038·0	037·9	038·1	038·2	037·2
17	038·1	038·0	037·8	037·7	037·6	037·8	038·2	038·4	039·0	039·1	039·0	038·7	038·2	037·9	037·7	037·7	037·6	037·8	037·9	038·0	038·0	038·0	038·1	038·3	038·1
18	038·3	038·4	038·0	037·9	038·2	038·2	038·7	039·1	039·2	039·3	039·1	038·9	038·4	037·9	037·5	037·3	037·5	037·6	037·8	037·9	037·9	037·9	037·6	037·6	038·2
19	037·4	037·4	037·2	037·2	037·1	037·1	037·0	037·1	037·1	037·1	036·9	036·7	036·5	036·1	036·1	036·1	036·3	036·8	036·9	037·3	037·9	038·1	038·0	038·2	037·1
20	038·2	038·4	038·5	038·4	038·7	038·7	039·6	040·0	040·6	040·8	041·0	041·1	041·1	041·0	040·7	040·5	040·7	041·2	041·6	041·9	042·0	042·0	042·0	042·1	040·4
21	042·4	042·2	041·8	041·6	041·5	041·3	041·3	041·2	041·4	041·3	041·2	040·6	039·8	039·0	038·0	037·4	036·9	036·6	036·4	036·0	035·6	035·0	034·5	034·3	039·2
22	033·9	033·7	033·5	033·2	033·1	032·8	032·9	033·4	033·3	033·3	033·0	032·8	032·6	032·2	032·1	032·0	032·0	032·0	032·1	032·1	032·1	032·0	031·8	031·4	032·7
23	031·2	030·8	030·3	030·2	029·6	029·5	029·4	029·3	029·2	029·1	028·8	028·4	027·7	026·6	025·6	025·1	024·9	024·5	024·0	023·4	022·7	021·9	021·1	020·1	027·0
24	019·0	018·0	016·6	016·2	015·3	014·9	014·9	014·9	014·9	015·1	015·7	016·0	016·2	016·4	016·4	016·8	017·7	018·5	019·4	020·2	021·3	022·0	022·3	022·8	017·5
25	023·3	023·9	024·3	024·5	024·7	025·4	025·9	026·4	026·5	026·9	026·8	026·7	026·7	026·7	026·4	026·1	026·1	025·9	025·4	025·4	025·2	025·0	025·0	024·4	025·5
26	024·1	024·0	023·9	023·8	023·7	023·7	024·3	024·8	024·9	025·1	025·0	024·7	024·8	024·8	024·7	024·8	025·0	024·9	025·2	025·7	025·6	025·8	025·7	025·7	024·7
27	025·6	025·5	024·9	024·6	025·0	025·2	025·2	024·9	024·9	025·2	025·1	024·9	024·7	024·8	025·1	025·6	025·8	026·1	026·2	026·3	026·4	026·3	026·1	026·0	025·4
28	025·5	025·0	024·8	024·6	024·9	025·0	025·5	026·0	026·1	026·6	026·8	026·6	025·9	025·8	025·6	025·5	025·5	025·6	025·6	025·4	025·0	024·9	024·6	024·7	025·5
29	024·8	024·7	024·3	024·0	023·7	023·8	023·8	024·0	024·1	024·2	024·0	023·9	023·4	022·7	022·2	022·0	021·8	021·8	022·1	022·1	022·1	022·0	021·9	021·8	023·2
Mean (Station Level)	1030 ·51	1030 ·38	1030 ·17	1030 ·08	1030 ·09	1030 ·09	1030 ·28	1030 ·51	1030 ·68	1030 ·80	1030 ·79	1030 ·55	1030 ·20	1029 ·87	1029 ·69	1029 ·63	1029 ·72	1029 ·87	1029 ·98	1030 ·05	1030 ·05	1030 ·02	1029 ·97	1029 ·95	1030 ·18
Mean (Sea Level)	1031 ·84	1031 ·71	1031 ·50	1031 ·41	1031 ·42	1031 ·42	1031 ·61	1031 ·84	1032 ·01	1032 ·13	1032 ·11	1031 ·87	1031 ·52	1031 ·19	1031 ·01	1030 ·95	1031 ·04	1031 ·19	1031 ·30	1031 ·37	1031 ·37	1031 ·35	1031 ·30	1031 ·28	1031 ·50
Hour G. M. T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

443. Richmond (Kew Observatory): H_b (height of barometer cistern above M.S.L.) = 10·4 metres.

March, 1932.

Hour G. M. T.	1.	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	021·8	021·4	020·8	020·2	019·8	019·2	019·0	018·7	018·1	017·7	017·2	016·7	015·7	015·0	014·4	014·3	014·0	013·9	013·8	013·7	013·6	013·4	013·0	012·8	016·7
2	012·6	012·1	011·8	011·8	011·6	011·2	011·6	011·6	011·5	011·3	011·0	010·7	010·1	010·0	009·8	009·9	010·0	010·3	010·7	011·0	011·5	011·2	011·2	011·5	011·1
3	011·4	011·4	011·2	011·3	011·6	011·7	012·2	012·6	013·0	013·1	012·7	012·6	012·2	011·9	011·7	011·9	012·2	012·9	013·5	014·1	014·6	014·9	015·1	015·0	012·6
4	014·9	014·8	014·6	014·7	014·7	014·9	015·3	015·3	015·7	015·9	016·0	015·9	015·7	015·4	015·1	015·0	014·9	015·0	015·2	015·2	015·3	015·3	015·2	015·1	015·2
5	014·8	014·7	014·1	013·8	013·7	013·4	013·4	013·5	013·1	012·8	012·3	011·5	010·4	009·3	008·4	007·8	007·4	007·0	006·8	006·6	005·5	005·1	004·4	003·9	010·4
6	003·7	003·3	003·2	003·4	003·7	003·7	004·0	004·5	005·1	005·1	005·2	005·1	004·7	004·8	004·7	004·6	004·8	005·2	005·5	006·1	005·9	005·7	006·0	006·4	004·7
7	006·9	007·4	007·6	008·3	009·1	009·7	010·5	011·2	011·8	012·0	012·0	012·1	012·0	012·0	011·4	011·0	010·9	010·8	010·1	009·7	009·1	008·4	008·0	007·7	010·0
8	007·5	007·0	006·4	006·1	006·2	006·3	006·4	007·6	008·6	008·8	009·2	009·3	009·3	009·6	009·5	009·5	010·1	010·1	010·3	010·5	010·3	010·4	010·4	010·5	008·7
9	010·8	011·2	010·9	011·1	011·4	011·9	012·2	012·5	012·7	013·0	013·2	013·2	013·0	012·9	012·9	013·0	013·3	013·8	014·3	014·6	014·8	015·1	015·2	015·3	012·9
10	015·3	015·2	015·0	014·8	014·8	014·8	015·0	015·1	015·0	014·8	014·2	013·5	012·9	012·0	012·0	011·6	011·6	012·2	012·3	012·4	012·4	012·5	012·5	012·6	013·6
111	012·8	012·9	012·8	013·0	013·3	013·8	014·2	014·8	015·3	015·4	016·1	016·1	016·0	015·9	016·0	016·2	016·8	017·8	018·8	019·9	021·3	022·0	022·3	022·5	016·3
12	022·7	022·8	022·8	023·1	023·3	023·6	024·0	024·4	024·8	024·6	024·4	024·3	024·0	023·4	023·1	022·7	022·7	023·2	023·4	023·8	023·9	023·9	023·9	023·7	023·6
13	023·7	023·8	023·6	023·4	023·4	023·4	023·2	023·3	023·4	023·4	023·3	022·9	022·1	021·5	021·2	020·7	020·6	020·9	021·0	021·0	020·9	020·9	020·8	020·8	022·3
14	020·8	020·7	020·3	020·1	019·9	020·0	020·2	020·2	020·1	020·1	020·0	019·6	019·1	019·0	018·9	018·9	019·1	019·7	020·4	021·1	021·7	022·2	022·5	022·8	020·3
15	023·2	023·3	023·4	023·6	023·9	024·2	024·9	025·4	025·6	025·7	025·6	025·4	025·0	024·0	023·5	023·1	023·0	023·1	023·3	023·6	023·6	023·5	023·2	023·0	024·0
16	022·4	022·1	021·4	021·1	020·7	020·6	020·5	020·5	020·4	020·4	019·8	019·0	018·0	017·5	016·5	016·1	016·2	016·3	016·7	017·1	017·3	017·6	017·6	017·7	019·0
17	017·8	017·6	017·4	017·3	017·2	017·2	017·3	017·3	017·3	017·3	017·2	017·1	017·0	016·8	016·6	016·5	016·7	017·1	017·5	017·8	018·4	018·8	019·0	019·2	017·4
18	019·2	019·2	019·3	019·4	019·8	020·3	021·0	021·3	022·1	022·4	022·6	022·7	022·7	022·8	023·0	023·2	023·5	023·9	024·6	025·1	025·6	025·6	025·7	025·9	022·4
19	025·9	026·0	025·8	025·7	025·7	025·7	025·8	025·9	026·2	026·1	026·1	025·9	025·4	024·3	024·0	023·8	024·1	024·2	024·4	024·7	024·8	024·9	025·1	025·1	025·3
20	025·2	025·3	025·3	025·3	025·4	025·6	025·8	026·2	026·3	026·3	026·3	026·3	026·1	026·0	025·4	025·3	025·4	025·5	025·7	025·7	025·9	026·2	026·3	026·3	025·8
21	025·9	025·7	025·6	025·3	025·4	025·7	025·8	025·7	025·6	025·2	024·8	024·7	024·6	024·3	023·8	023·8	023·8	023·8	024·0	024·1	023·9	023·9	023·9	024·1	024·8
22	024·1	024·1	023·9	023·5	023·4	023·3	023·2	023·0	023·1	023·0	022·1	021·6	020·7	020·2	019·4	019·1	018·9	019·0	019·0	019·1	019·2	019·4	019·3	019·3	021·4
23	019·3	019·2	019·1	019·0	018·9	019·1	019·4	019·7	019·6	019·3	019·2	019·0	018·8	018·4	018·6	018·4	018·3	018·4	018·8	018·9	019·1	019·3	019·3	019·2	019·0
24	019·2	019·1	018·9	018·8	018·8	018·9	019·3	019·6	019·5	019·5	019·1	018·8	018·2	017·6	017·0	016·9	016·8	016·7	017·1	017·2	016·9	016·9	016·6	015·9	018·1
25	015·8	015·3	014·5	014·2	014·2	014·1	014·0	013·7	013·3	012·8	012·0	010·9	010·0	008·8	008·3	007·4	007·2	007·2	006·4	006·2	006·0	005·5	005·0	004·0	010·8
26	003·5	003·3	002·5	002·2	002·1	002·2	002·3	002·6	002·8	003·1	003·2	003·3	003·6	004·0	004·4	005·3	006·0	006·4	006·6	007·1	007·3	007·4	007·2	007·3	004·3
27	007·4	007·5	007·6	007·6	007·7	007·6	008·1	007·9	007·3	006·8	006·4	005·6	005·1	003·8	002·8	002·1	000·5	998·9	998·2	997·6	996·5	995·4	995·5	996·2	003·6
28	997·2	997·6	998·1	998·3	998·2	998·2	998·2	998·3	998·4	998·3	998·4	998·4	998·2	998·1	998·2	998·1	998·3	998·7	999·2	999·6	999·8	999·9	000·1	000·2	998·5
29	000·1	000·0	999·9	000·1	000·5	001·1	001·8	002·1	002·4	002·5	002·6	002·3	002·0	001·1	000·2	999·9	999·6	999·7	999·7	999·6	999·5	998·7	998·1	997·2	000·5
30	996·0	994·7	992·8	991·6	990·7	991·1	991·6	992·2	993·0	993·3	992·8	992·5	992·5	992·7	992·6	992·8	992·9	993·2	993·9	994·5	994·7	994·8	995·0	995·2	993·3
31	995·2	994·9	994·9	994·9	994·9	995·3	996·1	996·7	997·0	997·3	997·6	997·7	997·7	997·6	997·3	997·6	997·9	998·3	998·8	999·6	000·4	001·3	001·9	002·1	997·5
Mean (Station Level)	1014·10	1013·99	1013·73	1013·65	1013·68	1013·81	1014·07	1014·30	1014·45	1014·43	1014·28	1014·02	1013·64	1013·25	1012·93	1012·79	1012·82	1013·01	1013·23	1013·45	1013·54	1013·55	1013·53	1013·50	1013·68
Mean (Sea Level)	1015·41	1014·29	1015·03	1014·95	1014·99	1015·12	1015·38	1015·61	1015·76	1015·72	1015·57	1015·31	1014·92	1014·53	1014·21	1014·07	1014·11	1014·29	1014·52	1014·74	1014·83	1014·85	1014·83	1014·80	1014·98

444. Richmond (Kew Observatory): H_b = 10·4 metres.

April, 1932.

Hour G. M. T.	1.	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	002·8	002·8	002·9	003·1	003·4	003·8	003·9	003·6	003·1	002·6	001·7	001·0	000·4	999·0	997·9	997·3	996·5	995·3	994·7	993·3	991·5	990·0	988·8	999·5
2	987·6	986·7	986·4	985·7	985·5	985·6	985·7	986·2	986·5	986·8	987·0	986·8	986·5	986·3	986·0	986·1	986·2	986·2	986·4	986·6	986·6	986·7	986·7	986·6	986·4
3	986·3	985·9	985·6	985·1	984·9	985·2	985·4	985·7	986·0	986·5	986·7	987·0	987·2	987·6	987·6	988·1	988·4	989·0	989·5	990·1	990·3	990·9	990·9	991·0	987·4
4	991·0	990·9	990·8	990·7	990·9	991·4	992·2	992·8	993·9	994·6	995·4	995·9	996·7	997·4	997·7	998·2	998·8	999·0	000·6	001·4	002·5	003·2	003·7	004·3	996·1
5	004·7	004·9	004·9	004·9	005·0	005·7	006·4	007·0	007·7	007·9	008·1	008·1	008·0	008·1	008·1	008·2	008·4	008·6	008·8	009·7	009·9	009·9	010·0	009·8	007·5
6	009·7	009·4	009·1	009·0	008·4	008·3	008·3	008·0	007·7	007·0	006·5	005·9	005·0	004·8	004·4	003·7	003·1	002·6	002·0	001·7	000·8	999·7	999·1	998·5	005·3
7	998·3	997·1	996·1	995·1	995·0	994·9	995·3	996·0	996·7	997·1	997·4	997·5	997·4	997·4	997·3	997·4	997·1	997·3	997·9	998·7	999·6	999·7	000·5	001·1	997·4
8	001·8	002·9	003·6	004·1	004·9	006·2	007·8	009·5	010·9	012·0	012·6	012·7	013·7	014·3	014·4	015·2	016·3	017·5	018·6	019·6	020·3	020·8	021·1	021·4	012·2
9	021·2	021·0	020·6	019·9	019·1	018·5	017·7	016·4	015·1	014·3	013·3	012·4	011·7	010·9	010·3	009·9	009·1	008·4	007·8	007·8	006·9	006·3	005·4	004·6	013·2
10	003·6	002·4	001·1	000·0	999·0	998·8	999·0	998·8	998·5	998·3	998·5	998·4	998·2	998·1	996·9	996·6	996·3	995·8	995·5	995·7	995·9	995·9	996·8	997·0	998·3
11	997·4	998·2	998·9	999·8	000·0	000·4	001·1	001·4	001·7	002·0	002·1	002·4	002·7	003·1	004·2	005·8	006·7	007·2	008·3	009·7	010·8	011·3	012·0	012·8	003·8
12	013·5	013·8	014·9	016·1	017·2	018·1	019·0	019·8	020·5	021·2	021·5	021·8	022·4	022·7	023·0	023·1	024·5	025·5	026·7	027·8	028·8	028·9	029·3	029·4	021·7
13	029·8	030·0	030·5	030·7	031·0	031·5	031·7	031·7	031·8	031·6	030·9	030·7	030·2	029·8	028·9	028·5	027·8	027·5	027·1	026·9	026·4	025·4	025·0	024·2	029·3
14	023·3	021·8	020·5	018·9	017·6	016·7	015·7	014·7	014·0	013·6	012·7	011·8	010·9	010·3	009·0	008·6	008·2	007·9	007·6	007·9	007·2	006·9	006·9	006·5	012·8
15	006·1	005·8	005·6	005·5	005·7	005·8	006·0	006·2	006·4	006·7	007·0	006·8	006·5	006·5	006·6	006·9	007·1	007·3	007·7	008·4	009·0	009·1	009·3	009·4	006·9
16	009·2	009·2	009·1	008·9	008·8	008·5	008·5	008·3	008·3	008·0	008·0	007·9	008·0	008·0	008·0	008·1	008·3	008·4	008·7	009·1	009·3	009·4	009·3	009·3	008·6
17	009·1	009·0	008·9	008·9	009·2	009·7	010·0	010·4	010·6	011·0	011·3	011·5	011·7	011·8	011·8	011·9	012·2	012·5	013·0	013·3	013·8	014·0	014·1	014·0	011·3
18	014·1	014·1	014·1	014·1	014·4	014·7	014·9	015·1	015·5	015·7	015·5	015·3	015·3	015·2	015·1	014·8	015·0	015·2	015·7	016·1	016·4	016·4	016·5	016·4	015·2
19	016·2	015·8	015·4	015·2	015·0	015·1	015·0	014·9	014·9	014·7	014·6	014·1	013·9	013·6	013·0	012·7	012·5	012·3	012·0	012·0	011·8	011·3	010·7	010·4	013·8
20	009·5	008·6	007·9	006·9	006·4	005·8	005·3	004·6	003·9	003·4	002·7	002·4	001·9	001·9	001·2	001·1	001·2	001·2	001·5	002·2	002·8	002·9	002·8	002·6	003·9
21	002·6	002·6	002·4	002·4	002·5	002·7	002·8	002·9	003·0	002·9	003·0	002·9	003·0	002·8	002·2	002·2	002·4	002·9	003·4	004·1	004·8	005·1	005·4	005·8	003·1
22	006·0	006·5	006·8	007·2	007·4	007·9	008·4	008·5	008·8	008·7	008·7	008·7	008·6	008·5	008·4	008·2	008·5	008·5	008·7	009·1	009·4	009·4	009·5	009·4	008·3
23	009·2	009·0	008·7	008·2	008·0	007·9	007·8	007·7	007·6	007·6	007·5	007·4	007·1	007·1	007·0	007·0	007·2	007·5	008·3	008·7	009·3	009·6	009·7	010·0	008·1
24	010·0	009·9	010·1	010·1	010·5	011·2	011·8	012·3	012·6	012·7	012·8	012·8	012·8	012·9	013·0	013·2	013·2	013·3	013·5	014·0	014·3	014·7	015·1	015·5	012·5
25	015·6	015·7	015·7	016·0	016·1	016·4	016·7	016·6	016·2	016·1	016·2	016·1	016·0	015·7	015·3	015·1	015·0	015·0	014·9	015·0	015·0	014·8	014·6	014·2	015·6
26	013·8	013·5	013·0	012·8	012·6	012·3	012·2	011·9	011·2	010·9	010·4	009·8	009·4	008·8	008·4	008·0	007·9	008·0	007·8	008·0	008·1	008·0	007·9	007·7	010·2
27	007·7	007·5	007·6	007·8	008·2	008·5	008·8	009·3	009·8	009·9	009·7	009·6	009·6	009·4	008·5	008·2	008·0	007·8	007·5	007·5	007·1	006·5	006·2	005·4	008·2
28	005·7	003·7	003·0	001·9	001·5	001·2	000·7	000·5	000·1	000·0	999·6	999·4	999·1	999·5	999·5	999·7	999·9	000·4	000·4	001·2	001·2	001·4	001·8	002·0	001·0
29	001·9	001·9	001·9	001·8	001·9	002·0	002·4	002·4	002·6	002·7	002·3	002·0	002·0	001·9	001·6	001·6	001·4	001·6	001·6	001·8	002·0	002·1	002·1	002·0	002·0
30	002·2	002·5	002·5	002·8	003·2	003·6	003·9	004·6	005·1	005·1	005·1	004·7	004·6	004·1	003·8	003·6	003·6	003·6	003·8	004·1	004·3	004·4	004·6	004·2	003·9
Mean (Station Level)	1006·99	1006·77	1006·62	1006·45	1006·43	1006·60	1006·81	1006·94	1007·04	1007·07	1006·99	1006·82	1006·70	1006·63	1006·34	1006·32	1006·39	1006·48	1006·69	1007·10	1007·26	1007·21	1007·23	1007·14	1006·78
Mean (Sea Level)	1008·27	1008·05	1007·90	1007·73	1007·72	1007·89	1008·09	1008·21	1008·31	1008·34	1008·26	1008·08	1007·97	1007·84	1007·60	1007·59	1007·65	1007·75	1007·96	1008·37	1008·54	1008·49	1008·51	1008·43	1008·06
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 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

445. Richmond (Kew Observatory): H_b (height of barometer cistern above M.S.L.) = 10·4 metres. May, 1932.

Hour G.M.T. (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
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	004·1	003·9	003·8	003·8	004·1	004·1	004·1	004·3	004·3	004·2	003·8	003·4	003·4	003·3	002·8	002·3	002·3	002·3	002·8	002·8	002·7	002·6	002·1	00 ·7	003·3
2	001·3	001·2	000·7	000·7	001·0	001·3	001·7	002·4	003·3	003·7	004·5	005·0	005·1	005·4	005·7	006·4	006·6	007·1	007·7	008·3	008·5	008·9	009·2	009·3	004·6
3	009·4	009·3	009·3	009·3	009·4	009·6	009·7	010·0	010·4	010·4	010·5	010·5	010·6	010·8	011·1	011·7	011·8	012·3	012·5	013·1	013·6	014·0	014·2	014·5	011·1
4	014·8	014·7	014·7	014·6	014·6	014·7	015·0	015·1	015·1	015·1	014·9	014·8	014·7	014·6	014·2	014·1	013·6	013·6	013·7	013·8	013·9	013·8	013·5	012·9	014·4
5	012·7	012·3	011·8	011·5	011·4	011·2	011·2	011·0	010·9	010·6	010·2	009·6	009·1	009·3	008·9	008·8	008·7	008·8	008·8	008·8	008·8	008·8	008·7	008·4	010·1
6	008·3	008·1	007·9	007·4	007·3	007·2	007·2	007·1	007·0	007·0	006·7	006·6	006·3	006·0	005·3	005·0	004·8	004·9	005·0	005·2	005·4	005·1	005·1	005·0	006·4
7	004·9	004·7	004·5	004·3	004·3	004·6	004·9	005·1	005·1	004·9	004·5	004·4	004·2	004·0	003·8	003·7	003·7	003·9	005·0	005·1	005·1	005·1	004·9	004·9	004·6
8	004·9	004·9	004·9	005·0	005·0	005·2	005·3	005·4	005·7	005·6	005·4	005·3	005·2	005·2	005·1	004·9	004·9	004·7	004·7	004·6	004·7	004·5	004·2	003·4	005·0
9	002·8	001·7	000·9	000·1	999·4	999·2	998·7	998·6	998·4	998·7	998·8	999·0	000·0	000·6	001·2	001·5	002·4	003·2	004·2	005·5	006·7	007·5	008·1	008·8	001·8
10	009·2	009·3	009·8	010·3	011·0	011·5	012·0	012·4	013·0	013·2	013·2	013·3	013·4	013·7	013·7	013·5	013·9	013·9	014·3	014·6	014·9	014·9	014·6	014·6	012·7
11	014·5	013·8	013·3	012·9	012·3	012·0	011·5	011·2	010·8	010·8	010·8	010·8	010·7	010·8	011·0	010·6	010·9	011·2	011·4	011·6	012·2	012·1	012·1	012·0	011·8
12	011·9	011·8	011·7	011·8	011·9	011·8	011·9	012·0	012·4	012·2	012·6	012·2	012·2	012·0	011·9	011·8	011·8	011·6	011·5	011·4	011·2	011·0	011·0	010·8	011·8
13	010·6	010·1	009·8	009·6	009·8	009·6	009·6	008·9	008·5	008·6	008·9	008·7	008·8	009·1	009·4	009·4	009·7	010·1	010·2	010·9	011·6	012·2	012·9	013·1	010·0
14	013·4	013·8	013·9	014·2	014·9	015·7	016·2	016·7	016·6	016·6	016·2	016·1	015·8	015·6	014·8	014·4	013·8	013·6	013·8	013·8	013·8	013·6	012·7	012·6	014·7
15	012·2	011·7	010·8	010·5	009·7	009·6	009·4	009·3	008·8	008·4	008·0	007·6	006·9	006·6	006·2	005·9	005·5	005·3	005·2	005·2	005·0	005·0	005·1	004·9	007·8
16	004·5	004·4	004·7	004·9	005·7	006·0	006·3	007·1	008·1	008·8	009·3	009·8	010·0	010·5	010·7	010·9	011·4	011·6	012·3	012·8	013·5	014·0	014·7	015·1	009·3
17	015·4	015·8	016·0	016·6	017·3	017·7	018·3	018·8	019·2	019·3	019·6	019·7	019·6	019·6	019·6	019·6	019·7	020·0	020·6	021·0	021·2	021·1	021·5	021·4	019·0
18	021·3	021·3	021·0	021·0	021·0	021·0	020·9	020·5	020·8	020·4	019·9	019·7	019·3	018·9	018·9	018·9	018·8	018·7	018·6	019·0	019·3	019·5	019·6	019·3	019·9
19	019·1	018·8	018·7	018·7	018·9	019·0	019·2	019·1	019·1	018·8	018·2	018·1	017·9	017·6	017·1	016·7	016·5	016·2	016·0	015·7	015·9	015·9	016·3	016·2	017·7
20	015·8	015·2	014·4	014·3	013·9	013·9	013·7	013·4	013·0	013·0	012·8	012·8	011·9	011·3	010·7	010·1	010·2	010·3	010·4	010·1	009·9	008·9	008·6	007·8	012·1
21	007·0	005·3	004·0	003·9	003·5	003·4	003·3	003·4	003·2	003·2	002·9	003·4	003·5	004·4	004·8	004·9	005·0	004·8	004·7	004·8	004·8	004·2	003·6	003·0	004·2
22	002·9	002·8	002·6	002·7	003·5	004·4	005·4	006·1	007·1	007·5	008·0	008·3	008·5	008·5	008·5	008·2	008·2	008·5	008·6	008·9	009·8	009·5	009·4	009·2	006·8
23	008·6	008·0	007·6	007·1	007·1	007·2	007·1	007·0	007·0	006·5	006·1	005·9	005·5	005·4	005·0	004·5	004·3	004·3	004·1	004·3	004·5	004·7	004·7	004·8	006·0
24	004·7	004·8	004·8	004·9	005·0	005·3	005·6	006·1	006·5	007·0	007·2	007·4	007·6	008·0	008·2	008·5	008·7	008·9	009·4	009·9	010·5	010·7	010·8	010·7	007·4
25	010·7	010·6	010·7	010·5	010·7	010·8	010·8	010·9	010·7	010·5	010·6	010·5	010·4	010·2	010·2	010·1	009·9	009·7	009·8	010·0	010·4	010·4	010·4	010·1	010·4
26	010·2	010·1	010·0	010·1	010·2	010·2	010·5	010·5	010·4	010·5	010·4	010·3	010·2	010·0	010·1	010·2	010·5	010·5	010·6	010·8	011·5	011·6	011·5	011·5	010·5
27	011·2	011·1	010·9	010·7	010·7	010·8	010·7	010·7	010·9	011·2	010·9	010·9	010·7	010·6	010·6	010·6	010·6	010·7	010·8	010·9	011·1	011·1	011·0	010·9	010·9
28	010·8	010·7	010·6	010·5	010·7	010·7	010·8	010·8	010·8	010·8	010·9	010·9	010·9	010·8	010·9	010·8	010·8	010·8	010·8	010·8	010·9	010·9	010·8	010·8	010·8
29	010·6	010·5	010·4	010·5	010·6	010·7	010·8	010·9	011·0	010·8	011·1	011·2	011·3	011·5	011·7	011·9	012·0	012·6	012·7	013·0	013·5	013·8	013·9	013·8	011·6
30	013·7	013·8	013·9	013·9	014·0	014·3	014·5	014·7	014·9	015·0	014·9	014·8	014·9	015·0	015·0	014·9	014·8	014·8	015·0	015·1	015·6	015·5	015·5	015·2	014·7
31	015·2	015·0	014·9	014·9	014·8	014·7	014·3	014·2	013·8	013·3	012·8	012·1	011·6	011·1	010·6	009·9	009·3	009·2	009·4	009·4	009·7	009·6	009·6	009·3	012·1
Mean (Station Level)	1010 ·22	1009 ·98	1009 ·77	1009 ·72	1009 ·80	1009 ·92	1010 ·02	1010 ·12	1010 ·22	1010 ·21	1010 ·15	1010 ·10	1010 ·01	1010 ·01	1009 ·93	1009 ·83	1009 ·84	1009 ·94	1010 ·15	1010 ·36	1010 ·65	1010 ·66	1010 ·65	1010 ·52	1010 ·11
Mean (Sea Level)	1011 ·49	1011 ·26	1011 ·05	1010 ·99	1011 ·07	1011 ·19	1011 ·29	1011 ·38	1011 ·48	1011 ·47	1011 ·40	1011 ·35	1011 ·26	1011 ·26	1011 ·18	1011 ·08	1011 ·09	1011 ·19	1011 ·41	1011 ·62	1011 ·92	1011 ·93	1011 ·93	1011 ·79	1011 ·37

446. Richmond (Kew Observatory): H_b = 10·4 metres. June, 1932.

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	009·2	008·9	009·0	009·0	009·0	009·2	009·3	009·4	010·0	010·1	010·3	010·2	010·1	010·0	009·9	009·8	009·7	009·8	010·2	010·4	010·8	010·8	010·8	010·7	009·8
2	010·7	010·9	011·0	011·1	011·1	011·1	011·2	011·3	011·3	010·9	010·6	010·6	010·2	010·1	009·7	009·4	009·3	009·4	009·3	009·7	010·2	010·6	010·6	010·6	010·5
3	010·7	010·7	010·5	010·6	010·8	011·3	011·8	012·1	012·2	012·1	011·6	011·2	011·0	010·8	010·3	010·6	011·0	011·2	011·4	011·9	012·5	012·6	012·5	012·2	011·4
4	012·0	012·0	011·8	011·8	012·1	012·4	012·6	013·0	013·2	013·3	013·7	013·7	013·5	013·6	014·0	014·0	014·0	014·1	014·2	014·8	015·4	015·6	015·7	015·6	013·5
5	015·5	015·4	015·3	015·2	015·2	015·3	015·5	015·6	015·7	015·6	015·6	015·4	015·4	015·4	015·3	015·3	015·3	015·6	016·1	016·7	017·4	017·9	018·1	018·4	015·9
6	018·5	018·8	018·9	019·0	019·3	019·9	020·1	020·1	020·5	020·7	021·1	021·2	021·4	021·5	021·7	021·7	021·8	021·8	022·1	022·4	022·9	023·0	023·1	023·2	020·9
7	023·1	023·0	022·9	023·0	023·1	023·2	023·5	023·7	023·6	023·5	023·5	023·4	023·4	023·4	023·3	023·1	023·0	023·0	023·1	023·1	023·3	023·4	023·4	023·5	023·3
8	023·5	023·5	023·3	023·5	023·5	023·8	024·2	024·3	024·4	024·4	024·1	024·1	024·1	023·9	023·9	023·7	023·7	023·7	023·7	023·9	024·2	024·2	024·2	024·2	023·9
9	024·2	024·0	023·9	023·8	023·9	024·2	024·2	024·1	024·1	023·8	023·5	023·4	023·1	022·7	022·4	022·1	021·8	021·7	021·6	021·8	021·9	021·9	021·8	021·6	023·0
10	021·5	021·1	020·5	020·1	020·2	020·1	019·9	019·6	019·3	018·9	018·2	017·9	017·1	016·5	016·1	016·0	015·9	015·5	015·4	015·1	015·4	015·1	014·9	014·4	017·8
11	013·9	013·0	012·5	012·4	012·1	011·9	012·3	011·7	010·8	010·7	010·4	010·5	010·8	011·0	011·3	011·2	011·3	011·5	011·8	012·1	012·7	013·0	013·3	013·2	011·9
12	013·2	013·2	013·1	013·1	013·7	014·1	014·3	014·4	014·7	014·7	014·7	014·6	014·7	014·7	014·7	014·6	014·5	014·4	014·9	015·5	015·8	016·0	016·1	016·2	014·5
13	016·2	016·4	016·5	017·1	017·6	018·0	018·1	018·5	018·8	018·6	019·0	019·1	018·9	019·0	019·0	018·6	018·7	019·0	019·4	019·8	020·7	021·3	021·6	021·7	018·7
14	021·7	021·6	021·6	021·7	021·9	022·3	022·6	022·9	022·9	022·7	022·6	022·2	022·0	021·9	021·6	021·6	021·6	021·6	021·8	022·2	022·7	023·1	023·3	023·4	022·2
15	023·3	023·1	022·8	022·9	023·1	023·2	023·5	023·5	023·6	023·3	023·1	022·6	022·5	022·5	022·0	021·9	022·0	022·2	022·6	022·8	023·1	023·4	023·3	023·2	022·9
16	023·1	023·0	022·7	022·8	022·8	023·0	023·1	023·3	023·1	023·0	022·7	022·2	021·9	021·5	021·3	021·1	021·2	021·3	021·6	021·9	022·4	022·8	022·9	022·8	022·4
17	022·7	022·6	022·3	022·4	022·4	022·4	022·2	022·4	022·2	022·1	022·0	021·7	021·3	020·8	020·3	020·2	019·9	020·1	020·2	020·5	020·8	021·0	021·0	021·0	021·8
18	020·9	020·6	020·5	020·4	020·3	020·3	020·4	020·4	020·5	020·4	019·9	019·7	019·3	018·9	018·3	018·2	018·2	018·3	018·3	018·5	018·9	019·1	019·2	019·1	019·6
19	018·9	018·7	018·2	018·1	018·1	018·2	018·2	017·9	017·3	017·3	017·0	016·7	016·7	016·8	016·3	016·1	016·0	016·0	016·0	016·1	016·1	016·1	016·2	016·1	017·1
20	016·1	015·7	015·4	015·3	015·2	015·4	015·7	015·9	015·8	015·9	015·8	015·8	015·9	015·8	015·8	015·7	015·7	015·9	015·9	016·0	016·6	016·8	017·0	016·6	015·9
21	016·8	016·7	016·7	016·7	016·9	017·1	017·3	017·5	017·8	017·9	017·8	017·7	017·7	018·0	018·1	018·0	018·1	018·4	019·0	019·5	020·0	020·3	020·5	020·8	018·1
22	020·9	021·2	021·2	021·6	021·7	021·8	021·9	022·3	022·5	022·8	022·6	022·6	022·5	022·5	022·2	022·1	022·0	022·3	022·6	022·7	023·2	023·4	023·6	023·7	022·3
23	023·2	023·2	023·1	023·2	023·2	023·3	023·6	024·1	024·2	024·1	024·1	024·1	024·0	024·0	023·9	023·7	023·6	023·6	023·7	023·9	024·4	024·7	024·5	024·3	023·8
24	024·1	023·7	023·1	022·8	022·3	022·3	022·2	022·1	021·8	021·3	020·7	020·3	019·8	019·3	018·8	018·4	018·3	017·9	017·6	017·7	017·7	018·2	018·0	017·8	020·1
25	017·0	016·9	016·5	016·1	016·0	016·0	016·1	016·1	015·8	015·8	015·8	015·7	015·4	015·1	014·7	014·5	014·5	014·6	014·9	015·2	015·6	015·5	015·7	015·8	015·7
26	015·6	015·5	015·2	015·2	015·2	015·2	015·1	015·1	015·0	014·6	014·4	014·1	014·1	013·9	013·5	013·2	013·0	013·0	013·1	013·2	013·4	013·5	013·4	013·3	014·3
27	013·2	013·3	013·3	013·4	013·4	013·6	013·8	013·8	013·2	013·3	012·7	012·1	011·7	011·3	010·9	010·1	009·7	009·5	009·0	008·8	008·9	008·3	008·3	007·3	011·5
28	006·9	006·3	006·0	006·5	006·6	007·0	007·1	007·1	007·1	007·2	007·2	007·2	007·3	007·5	007·6	007·5	007·6	008·0	008·6	009·3	010·4	010·9	011·3	011·8	007·8
29	012·1	012·2	012·4	012·6	013·1	013·4	013·8	014·1	014·2	014·2	014·2	013·8	013·7	013·5	013·4	013·1	013·1	013·1	013·2	013·4	013·6	013·5	013·4	012·9	013·3
30	012·4	011·2	010·4	010·1	009·8	010·0	010·1	009·9	009·4	009·3	009·1	008·8	008·5	008·2	007·7	006·7	005·9	005·5	005·1	004·2	003·2	002·7	001·5	000·3	007·8
Mean (Station Level)	1017 ·37	1017 ·21	1017 ·02	1017 ·05	1017 ·12	1017 ·30	1017 ·46	1017 ·54	1017 ·50	1017 ·42	1017 ·27	1017 ·09	1016 ·94	1016 ·80	1016 ·60	1016 ·41	1016 ·35	1016 ·40	1016 ·55	1016 ·77	1017 ·14	1017 ·29	1017 ·31	1017 ·19	1017 ·05
Mean (Sea Level)	1018 ·64	1018 ·48	1018 ·29	1018 ·32	1018 ·39	1018 ·57	1018 ·72	1018 ·80	1018 ·76	1018 ·67	1018 ·52	1018 ·33	1018 ·18	1018 ·04	1017 ·84	1017 ·65	1017 ·58	1017 ·64	1017 ·79	1018 ·02	1018 ·40	1018 ·55	1018 ·57	1018 ·45	1018 ·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.

Readings in millibars at exact hours, Greenwich Mean Time.

447. Richmond (Kew Observatory): H_b (height of barometer cistern above M.S.L.) = 10·4 metres. July, 1932.

Hour G. M. T	1.	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	999·3	998·3	997·4	996·8	996·1	995·9	996·0	996·5	997·1	997·8	998·4	998·7	998·9	999·1	999·5	999·8	000·1	000·5	000·8	001·7	002·5	002·9	003·3	003·5	999·1
2	003·8	003·9	004·1	005·0	005·9	006·7	007·7	008·3	009·2	010·2	010·5	011·0	011·4	012·0	012·0	012·0	012·6	013·0	013·7	014·5	015·2	015·6	015·8	016·4	010·2
3	016·7	016·8	016·9	017·2	017·4	017·5	017·8	018·2	018·3	018·2	018·3	018·1	018·1	018·2	017·8	017·6	017·4	017·4	017·5	017·6	017·7	017·4	017·3	017·2	017·6
4	016·7	016·1	015·7	015·2	015·2	015·2	015·2	015·1	014·8	014·5	013·9	013·5	013·1	013·0	012·6	012·5	012·4	012·5	012·7	012·8	013·0	012·9	012·7	012·3	014·0
5	012·2	011·9	011·4	011·4	011·5	011·5	011·5	011·3	010·8	011·0	011·1	010·7	010·6	010·1	010·2	010·2	010·1	009·9	010·0	009·9	010·0	010·2	010·2	010·3	010·8
6	010·2	010·1	010·3	010·5	010·7	011·2	011·7	011·5	011·5	011·6	011·5	011·3	011·5	011·5	011·5	011·5	011·4	011·5	012·0	012·5	012·9	013·0	013·2	013·6	011·5
7	013·5	013·6	013·8	013·9	014·2	014·7	015·1	015·3	015·5	015·4	015·9	016·3	015·4	016·3	016·3	016·5	016·5	017·2	017·6	018·2	018·5	018·6	018·8	018·7	016·0
8	018·8	019·1	019·2	019·5	019·8	020·0	020·5	020·3	020·8	020·9	020·5	020·5	020·4	020·3	020·3	020·2	020·2	020·4	020·6	021·1	021·6	022·0	022·0	022·3	020·4
9	022·3	022·2	022·4	022·5	023·1	023·6	023·6	023·6	023·6	023·5	023·1	023·1	022·7	022·2	022·0	021·7	021·5	021·4	021·3	021·5	021·7	022·0	022·0	021·9	022·4
10	021·7	021·8	021·6	021·5	021·2	021·2	021·2	020·5	020·0	019·7	019·4	018·9	018·4	017·8	017·1	016·2	016·1	015·9	015·8	015·9	015·9	015·9	015·9	015·7	018·7
11	015·1	014·5	013·9	013·5	013·1	013·0	012·7	012·4	012·0	011·7	011·2	010·7	010·5	010·5	010·6	010·4	010·2	010·1	009·9	010·3	010·5	010·7	010·9	010·9	011·7
12	010·7	010·6	010·5	010·6	010·9	011·7	012·0	012·3	012·4	012·6	012·8	012·7	012·5	012·4	012·2	012·0	012·0	012·1	011·9	011·8	011·3	011·6	011·3	010·7	011·7
13	010·1	009·5	009·5	008·8	008·5	007·7	007·4	007·4	007·2	006·3	005·5	005·7	004·7	004·2	003·4	003·7	004·0	004·7	005·1	005·4	005·7	005·9	006·4	006·4	006·5
14	006·5	006·5	006·9	007·3	007·3	007·4	007·6	008·0	008·4	008·5	008·4	008·2	008·1	008·1	007·8	007·8	007·7	008·0	007·8	008·2	009·0	009·4	009·3	009·2	007·9
15	009·1	008·7	008·5	008·4	008·3	008·2	008·2	008·1	007·7	007·5	007·1	006·9	006·2	005·6	005·4	005·1	004·9	004·5	004·3	004·3	004·3	004·2	003·6	003·5	006·5
16	002·9	002·8	002·6	002·2	002·2	002·1	002·2	002·2	002·2	002·1	002·0	001·9	001·8	001·8	001·4	001·4	001·5	002·1	002·6	003·6	004·2	005·0	005·5	006·2	002·6
17	006·5	006·8	006·9	007·1	007·6	008·3	009·1	009·2	009·6	010·2	010·7	010·9	010·9	011·1	011·7	012·0	012·3	012·3	012·8	013·2	013·4	013·8	014·1	014·2	010·4
18	014·1	013·6	013·8	013·9	014·2	014·5	014·9	015·4	015·7	016·3	016·8	017·1	017·4	017·8	018·2	018·6	019·0	019·6	019·8	020·5	021·4	021·6	021·9	022·0	017·3
19	021·8	021·8	021·8	021·9	021·8	021·7	021·7	021·7	021·7	021·5	021·4	021·3	020·5	020·2	019·6	019·5	019·4	019·4	019·3	019·4	019·5	019·5	019·4	019·2	020·7
20	019·1	019·1	018·6	018·1	018·1	018·0	017·8	017·6	017·1	016·9	016·3	015·7	015·3	014·8	014·0	013·2	013·0	012·9	012·8	013·2	013·3	013·4	013·4	013·4	015·7
21	013·3	013·5	013·6	013·5	013·6	013·7	013·8	013·9	013·5	013·6	013·6	013·5	013·2	013·1	013·1	013·1	012·6	012·6	012·9	013·1	013·2	013·2	013·4	013·1	013·3
22	012·8	012·5	012·2	012·1	012·0	011·7	011·3	011·2	010·9	010·6	009·7	009·1	008·5	008·3	007·8	007·8	007·9	007·5	007·6	007·8	008·0	008·0	008·1	008·1	009·7
23	008·2	008·2	008·3	008·7	009·3	009·9	010·2	010·8	010·9	010·9	011·2	011·2	011·4	011·5	011·8	012·1	012·3	012·4	012·5	012·9	013·2	013·3	013·4	013·3	011·1
24	013·2	013·1	012·8	012·6	012·4	012·1	012·0	011·7	011·3	011·1	010·7	010·2	009·9	009·3	008·8	008·2	008·1	008·0	007·8	007·8	007·5	007·4	006·9	006·3	010·1
25	005·7	005·1	004·7	004·3	004·2	004·3	004·4	004·1	003·1	002·9	002·4	002·1	002·2	001·8	001·0	000·7	000·7	000·6	000·7	001·0	001·4	001·3	001·3	001·3	002·7
26	001·5	001·6	001·5	001·4	001·6	001·6	001·7	001·7	001·4	001·5	001·6	001·4	001·4	001·3	001·7	002·1	002·1	002·7	003·0	003·4	004·1	004·2	004·1	003·9	002·1
27	003·7	003·7	003·7	003·6	003·8	004·1	004·1	004·4	004·6	004·4	004·0	004·1	004·0	004·0	004·1	004·3	004·5	005·1	005·9	006·4	007·3	008·1	008·3	008·4	004·9
28	008·5	008·7	009·2	009·4	009·3	009·4	009·4	009·5	009·5	009·5	009·2	008·4	007·3	006·9	006·7	006·9	007·3	007·9	008·4	009·3	010·1	010·4	010·7	011·0	008·8
29	011·2	011·1	011·0	010·6	011·0	011·1	011·3	011·7	012·1	012·2	012·5	012·5	012·4	012·5	012·8	013·1	013·2	013·4	013·6	013·8	014·4	014·4	014·4	014·5	012·5
30	014·4	014·3	014·1	014·0	013·9	013·9	014·0	013·8	013·3	013·0	012·9	012·4	011·8	010·6	010·4	010·4	010·4	010·4	010·3	010·5	010·8	010·8	010·9	010·9	012·3
31	010·5	010·2	010·1	009·8	009·5	009·4	009·3	009·1	008·7	008·5	008·3	008·1	007·9	008·0	008·1	008·1	008·1	008·1	008·2	008·7	009·3	009·7	010·1	010·2	009·0
Mean (Station Level)	1011 ·43	1011 ·28	1011 ·20	1011 ·14	1011 ·22	1011 ·33	1011 ·46	1011 ·53	1011 ·45	1011 ·44	1011 ·32	1011 ·17	1010 ·95	1010 ·79	1010 ·65	1010 ·60	1010 ·53	1010 ·78	1010 ·94	1011 ·30	1011 ·64	1011 ·82	1011 ·89	1011 ·89	1011 ·23
Mean (Sea Level)	1012 ·68	1012 ·54	1012 ·45	1012 ·39	1012 ·47	1012 ·58	1012 ·71	1012 ·77	1012 ·69	1012 ·67	1012 ·55	1012 ·40	1012 ·18	1012 ·01	1011 ·87	1011 ·83	1011 ·86	1012 ·01	1012 ·17	1012 ·54	1012 ·88	1013 ·06	1013 ·14	1013 ·14	1012 ·47

448. Richmond (Kew Observatory): H_b = 10·4 metres. August, 1932.

Hour G. M. T.	1.	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	010.2	010·0	009·9	009·7	009·8	009·9	010·3	010·5	010·7	010·6	010·3	010·4	010·4	010·9	011·3	011·4	011·3	012·0	012·1	013·0	013·7	014·3	014·6	015·2	011·3
2	015·4	015·4	015·6	016·1	016·2	016·3	016·4	016·5	016·4	016·4	016·4	016·3	016·0	015·7	015·0	014·7	014·4	014·4	014·7	015·0	014·9	014·8	014·5	014·5	015·5
3	014·3	013·9	013·8	013·8	013·8	013·8	013·8	013·9	013·9	014·1	014·3	014·1	014·0	014·0	013·9	014·2	014·2	014·2	014·6	015·1	015·2	015·4	015·9	015·9	014·3
4	015·9	015·8	015·9	016·0	016·1	016·1	016·0	015·9	016·0	016·0	015·3	015·4	015·4	015·4	015·3	014·9	014·6	014·5	014·8	015·3	015·9	016·5	016·9	017·1	015·7
5	017·2	017·2	017·4	017·6	017·8	017·9	018·0	018·3	018·2	018·8	018·5	018·8	019·0	019·1	019·2	019·2	019·4	019·5	019·6	020·5	021·2	022·0	022·2	022·4	019·0
6	022·4	022·4	022·5	022·5	022·5	022·5	022·8	023·2	023·8	023·9	023·5	023·4	023·1	022·4	022·4	022·3	022·0	021·6	021·7	022·2	023·1	023·5	023·5	023·5	022·8
7	023·7	023·5	023·3	023·3	023·6	023·7	023·8	024·2	024·3	024·3	024·4	024·2	024·0	023·6	023·5	023·3	022·9	022·9	023·0	023·1	023·2	023·2	023·2	023·1	023·6
8	023·0	022·9	022·9	022·6	022·6	023·2	023·1	023·1	023·0	023·1	022·4	022·4	022·4	022·3	021·9	021·6	020·6	020·4	020·5	020·7	021·0	021·0	021·1	021·1	021·1
9	020·7	020·8	020·7	020·6	020·8	021·0	021·3	021·4	021·4	021·4	021·2	021·1	020·9	020·9	020·4	020·2	019·9	019·9	019·9	020·2	020·4	020·4	020·3	020·3	020·7
10	020·2	020·1	019·8	019·8	019·9	019·9	019·8	019·5	019·3	019·2	019·3	018·7	018·3	018·0	017·4	017·0	016·5	015·1	016·1	016·2	015·1	016·0	015·7	015·4	018·2
11	014·9	014·4	014·1	013·8	013·4	013·2	013·1	013·0	012·8	012·2	011·9	011·4	010·8	010·4	010·3	010·1	009·8	009·7	009·5	009·5	009·8	009·6	009·5	009·0	011·7
12	008·8	008·7	008·3	008·1	007·6	008·5	009·7	009·4	010·0	009·9	009·8	010·8	010·3	010·3	010·4	010·7	010·7	010·7	010·8	011·5	011·6	011·8	012·4	012·5	010·1
13	012·6	012·5	012·4	012·4	013·1	013·7	014·0	014·2	014·4	014·3	013·7	013·7	013·5	013·3	013·3	013·3	013·4	013·6	013·5	013·5	014·0	014·0	013·8	013·7	013·5
14	013·7	013·3	013·2	012·4	012·3	012·5	012·7	012·6	012·6	012·5	012·2	012·2	012·0	011·7	011·6	011·6	011·7	012·2	012·7	013·2	014·4	014·6	015·0	015·1	012·8
15	015·2	015·4	015·5	015·6	015·8	016·8	017·6	017·6	018·1	018·3	018·4	018·3	018·3	018·4	018·5	018·8	018·9	019·2	019·6	019·9	020·3	021·0	020·9	020·7	018·1
16	020·7	020·5	020·4	020·7	021·2	021·6	022·1	022·3	022·6	022·5	022·5	022·2	022·1	021·9	021·8	021·6	021·6	021·9	022·2	022·7	023·0	023·2	023·2	023·3	021·9
17	023·2	023·2	023·3	023·1	023·2	023·4	023·5	023·7	023·8	023·9	023·6	023·5	023·2	023·0	022·6	022·4	022·3	022·4	022·5	023·1	023·6	023·6	023·9	023·9	023·2
18	024·0	023·7	023·7	023·9	024·0	024·2	024·3	024·5	024·4	024·2	023·9	023·8	023·4	023·0	022·4	022·2	021·9	021·4	021·4	021·9	021·8	021·4	021·1	020·7	023·0
19	020·2	020·0	019·9	019·5	019·2	019·5	019·6	019·4	019·1	019·0	018·1	017·9	017·6	017·1	016·8	016·7	016·4	016·3	016·2	016·3	016·3	016·2	015·8	015·5	018·0
20	015·4	014·5	013·8	013·1	012·7	012·8	012·7	012·0	011·7	011·7	011·4	011·2	011·1	010·9	010·5	010·4	010·3	010·7	010·6	011·6	010·7	010·2	009·0	011·0	011·8
21	011·4	011·0	010·8	010·8	011·1	011·2	011·4	011·6	011·8	012·3	012·3	012·3	012·3	012·3	012·3	012·4	012·5	012·6	012·8	013·5	013·8	014·1	014·3	014·4	012·2
22	014·5	014·8	015·3	015·9	016·3	017·1	017·7	018·4	019·2	019·8	020·4	020·7	021·0	021·3	021·5	021·7	022·0	022·3	023·1	023·9	024·4	024·8	025·3	025·6	020·1
23	025·7	025·8	025·7	025·6	025·7	026·3	026·4	026·7	027·1	026·9	027·1	026·9	026·9	026·7	026·5	026·2	026·2	026·2	026·5	026·8	027·0	027·4	027·5	027·6	026·5
24	027·6	027·6	027·5	027·4	027·3	027·3	027·5	027·6	027·8	027·7	027·5	027·2	026·8	026·4	026·0	025·6	025·5	025·4	025·7	025·8	025·7	025·6	025·5	025·5	026·7
25	025·1	024·8	024·3	024·1	023·9	024·2	024·0	023·7	023·7	023·5	022·7	022·4	022·3	021·6	021·2	020·7	020·6	020·5	020·7	020·9	021·0	021·2	021·0	020·4	022·5
26	019·7	019·4	019·3	018·5	018·2	018·1	018·1	018·3	018·2	017·9	017·4	016·4	016·2	016·2	016·2	016·3	016·4	016·4	016·4	016·5	016·5	017·0	016·8	016·8	017·5
27	016·7	016·7	016·7	017·0	017·4	017·8	018·5	018·9	019·4	019·8	019·5	019·3	019·1	018·9	018·6	018·4	018·4	018·3	018·5	018·8	018·9	019·1	019·0	018·9	018·4
28	018·9	018·7	018·6	018·5	018·4	018·7	018·8	018·7	018·5	018·4	017·8	017·6	017·3	017·1	016·8	016·2	015·9	015·7	015·9	016·5	016·5	016·6	016·6	016·1	017·5
29	015·6	015·5	015·3	015·0	014·7	014·7	014·6	014·7	014·7	014·3	013·7	013·0	012·5	012·2	011·5	011·1	010·8	010·6	010·7	010·8	010·8	010·5	010·6	009·5	012·9
30	009·6	009·4	009·1	008·8	008·6	008·8	008·9	009·0	009·0	009·0	008·8	008·8	008·8	008·9	009·0	009·4	009·7	010·2	011·0	012·0	012·5	012·8	013·2	013·3	009·9
31	013·5	013·5	013·5	013·3	013·3	013·7	013·9	014·2	014·5	014·8	015·5	016·3	016·9	017·4	017·9	018·0	018·1	018·6	019·4	020·6	021·0	021·3	021·6	021·8	016·6
Mean (Station Level)	1017 ·74	1017 ·59	1017 ·50	1017 ·40	1017 ·44	1017 ·69	1017 ·88	1017 ·97	1018 ·08	1018 ·09	1017 ·86	1017 ·76	1017 ·61	1017 ·46	1017 ·29	1017 ·18	1017 ·06	1017 ·11	1017 ·32	1017 ·76	1018 ·01	1018 ·16	1018 ·19	1018 ·19	1017 ·65
Mean (Sea Level)	1018 ·99	1018 ·85	1018 ·75	1018 ·66	1018 ·69	1018 ·94	1019 ·14	1019 ·22	1019 ·32	1019 ·32	1019 ·10	1018 ·99	1018 ·83	1018 ·68	1018 ·51	1018 ·40	1018 ·28	1018 ·34	1018 ·55	1019 ·00	1019 ·25	1019 ·41	1019 ·44	1019 ·44	1018 ·89
Hour G. M. T.	1.	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.

Readings in millibars at exact hours, Greenwich Mean Time.

449. Richmond (Kew Observatory): H_b (height of barometer cistern above M.S.L.) = 10·4 metres. September, 1932.

Hour G. M. T.	1.	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	021·8	021·7	021·9	022·1	022·2	022·3	022·3	022·4	022·3	022·1	021·9	021·6	021·1	021·0	020·5	019·8	019·4	018·9	018·8	018·7	018·3	018·2	017·9	017·2	020·7
2	017·1	016·6	016·5	016·0	016·1	016·0	016·0	016·0	015·9	015·5	015·3	014·7	014·2	013·9	013·6	012·9	012·6	012·5	012·3	012·2	011·5	010·7	010·3	009·8	014·2
3	008·8	008·3	008·1	007·1	006·6	006·2	006·0	005·4	005·3	005·1	005·0	005·1	004·6	004·6	004·4	004·5	004·9	005·1	005·4	006·5	007·5	008·1	008·8	009·6	006·3
4	009·8	010·5	011·4	011·7	012·5	013·2	014·1	014·5	014·9	015·4	015·5	015·6	015·5	015·6	015·5	015·5	015·8	015·9	016·1	016·6	016·9	017·5	017·4	017·5	014·6
5	017·2	016·9	016·5	016·5	016·3	016·2	016·5	016·4	016·3	015·8	015·5	014·7	014·3	013·7	013·2	012·5	012·1	011·8	011·9	011·9	011·6	010·8	010·1	009·4	014·3
6	009·2	008·5	008·1	007·3	006·9	006·6	006·3	006·1	005·9	005·6	005·0	004·7	004·3	004·2	003·5	002·9	002·2	002·2	002·4	003·2	003·7	004·4	004·6	004·7	005·2
7	004·9	004·9	004·8	004·9	005·0	005·3	005·9	006·1	006·3	006·5	006·7	006·5	006·5	006·1	006·4	006·1	005·9	005·8	005·9	006·0	006·0	005·9	005·6	005·3	005·8
8	004·8	004·2	003·4	002·6	002·0	001·6	001·5	001·2	000·9	000·4	000·0	999·6	999·5	999·3	999·0	998·8	998·8	998·9	999·1	999·4	999·5	999·6	000·5	001·3	000·7
9	001·6	002·0	002·4	002·7	003·4	004·1	005·1	005·6	006·5	006·9	006·8	006·9	006·8	006·7	006·9	007·2	007·6	007·6	008·2	008·7	009·5	009·2	009·0	008·8	006·1
10	008·4	008·3	008·0	007·4	007·2	007·2	007·0	006·4	006·1	005·4	005·1	005·1	004·8	004·4	004·2	004·2	004·2	004·4	004·7	005·6	005·9	005·9	006·2	005·8	006·0
11	005·6	005·2	004·5	003·6	003·0	001·6	001·0	999·6	998·4	998·0	998·2	999·2	001·1	002·4	003·5	004·7	005·8	006·6	007·6	008·5	008·9	009·7	010·7	010·9	004·0
12	011·0	011·5	011·6	011·6	011·8	012·4	013·2	013·5	013·8	013·8	014·3	014·6	014·5	014·6	014·6	014·6	014·6	014·7	015·3	015·5	016·2	016·3	016·7	017·3	013·9
13	017·3	017·5	017·5	017·5	017·7	017·7	017·6	017·5	017·5	017·5	017·6	017·4	017·4	017·0	016·6	016·8	017·0	017·3	017·7	018·1	018·6	018·7	018·8	019·0	017·6
14	019·2	019·3	019·5	019·7	020·0	020·9	021·3	021·9	022·4	022·7	023·2	023·5	023·7	023·6	023·8	024·0	024·3	024·8	025·5	026·0	026·4	026·8	026·9	027·3	023·0
15	027·5	027·7	027·8	027·9	028·3	029·1	029·3	029·6	030·0	029·9	029·8	029·6	029·6	029·3	028·9	028·7	028·6	028·6	028·7	029·0	029·1	028·9	028·7	028·5	028·9
16	028·4	028·0	027·8	027·3	027·2	027·2	027·0	026·5	026·1	025·6	024·6	023·9	023·2	022·8	022·1	021·6	021·4	021·2	021·2	021·2	021·0	021·0	020·8	020·2	024·2
17	020·0	020·0	019·8	019·5	019·1	019·1	019·1	019·1	019·0	018·7	018·3	017·8	017·4	016·4	015·6	015·2	014·7	014·1	014·0	013·7	013·2	013·0	012·3	011·3	016·9
18	010·6	009·9	009·4	009·0	008·6	008·6	008·4	008·0	007·7	007·6	007·1	006·2	005·5	005·2	004·6	004·2	003·6	002·9	003·6	004·0	004·3	004·5	004·6	005·0	006·5
19	005·4	005·6	005·6	005·5	006·1	006·5	006·6	007·3	008·2	008·6	009·3	009·6	009·9	010·4	010·8	011·2	011·6	012·0	012·6	013·3	013·7	014·2	014·8	015·1	009·5
20	015·4	015·7	015·7	015·7	016·4	016·4	017·0	016·9	017·4	017·4	017·3	017·3	017·3	017·5	017·4	017·3	017·3	017·5	018·0	018·7	019·1	019·7	020·2	020·5	017·3
21	020·4	020·4	020·6	020·8	021·2	021·4	021·9	022·4	022·8	023·1	022·6	022·4	022·2	021·8	021·5	021·1	020·7	020·8	020·8	021·0	020·9	020·6	020·5	019·6	021·3
22	018·9	017·9	017·1	016·3	015·1	014·2	013·5	012·6	011·7	010·9	009·7	008·6	006·9	005·9	004·3	003·3	002·9	002·3	001·7	001·0	000·5	000·0	999·7	999·5	008·5
23	999·1	998·9	998·8	998·4	998·3	998·0	998·3	998·6	999·0	998·9	998·6	998·7	998·7	998·5	998·7	998·9	998·9	999·5	000·2	000·7	001·1	001·1	001·4	001·6	999·2
24	001·6	001·3	001·2	001·2	001·1	001·1	001·1	001·1	000·9	000·8	000·1	999·8	999·8	000·1	000·0	000·0	000·4	001·0	001·5	001·7	001·8	001·7	001·8	001·4	000·9
25	001·0	000·5	999·8	999·6	999·3	999·2	999·1	999·6	000·0	000·1	000·1	000·1	000·1	999·6	999·6	999·3	999·6	999·7	999·7	999·8	000·4	000·1	000·5	000·4	999·9
26	000·5	000·6	000·7	000·7	000·7	001·4	002·1	002·1	003·3	003·3	003·1	003·3	003·3	003·5	003·4	003·7	004·2	004·9	005·5	006·5	007·3	007·8	008·5	009·0	003·5
27	009·7	009·9	010·5	010·9	011·5	012·4	013·1	013·5	014·5	015·0	015·7	016·0	016·6	017·1	017·6	018·4	019·3	020·5	021·5	022·4	023·1	023·6	024·1	024·6	016·4
28	025·1	024·9	025·3	025·4	025·7	026·1	026·9	027·4	027·5	027·6	027·4	027·6	027·7	027·1	026·9	026·6	026·4	026·5	026·5	026·5	026·5	026·0	025·8	025·1	026·4
29	024·8	023·6	022·9	022·3	021·5	021·0	019·9	019·7	018·9	017·5	016·9	015·6	014·4	013·2	013·4	013·0	012·5	011·9	011·8	011·7	011·9	011·2	011·1	011·3	016·6
30	011·2	011·4	011·4	011·3	010·9	011·1	011·3	011·5	011·6	011·5	010·5	010·4	010·3	010·1	009·9	009·9	010·0	010·3	010·1	010·0	010·0	009·9	009·4	009·1	010·6
	1012 ·54	1012 ·39	1012 ·29	1012 ·08	1012 ·06	1012 ·14	1012 ·28	1012 ·28	1012 ·37	1012 ·24	1012 ·04	1011 ·87	1011 ·71	1011 ·52	1011 ·35	1011 ·23	1011 ·24	1011 ·34	1011 ·61	1011 ·94	1012 ·15	1012 ·17	1012 ·26	1012 ·20	1011 ·97
	1013 ·80	1013 ·65	1013 ·55	1013 ·35	1013 ·32	1013 ·40	1013 ·54	1013 ·54	1013 ·62	1013 ·49	1013 ·28	1013 ·11	1012 ·95	1012 ·76	1012 ·59	1012 ·47	1012 ·48	1012 ·58	1012 ·86	1013 ·19	1013 ·40	1013 ·43	1013 ·51	1013 ·46	1013 ·22

450. Richmond (Kew Observatory): H_b = 10·4 metres. October, 1932.

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	008·5	008·0	007·1	006·5	006·1	006·1	006·0	006·3	006·2	006·2	006·0	006·2	007·2	007·8	009·2	010·4	011·3	012·2	013·3	014·3	015·0	015·4	015·5	015·3	009·3
2	016·0	015·9	015·8	015·3	015·3	015·0	014·7	014·1	013·9	012·0	011·0	011·0	009·9	009·7	009·2	009·3	010·2	010·3	011·0	011·8	012·3	012·6	013·0	013·5	012·7
3	013·3	013·9	014·1	014·5	014·2	014·4	014·6	014·6	014·7	014·9	014·4	014·4	014·3	014·1	014·1	014·7	015·1	015·8	016·3	016·8	017·5	017·8	018·2	018·4	015·1
4	018·7	019·0	019·3	019·5	019·7	020·1	020·5	020·9	021·3	021·3	021·0	020·7	020·5	020·2	019·9	019·8	019·8	020·0	019·9	019·9	019·9	019·9	019·8	019·6	020·0
5	019·4	018·8	018·5	018·4	018·3	018·3	018·6	018·7	018·6	018·5	018·1	018·0	017·5	017·2	016·9	017·0	017·1	017·3	017·1	017·3	017·4	017·4	017·4	017·3	017·9
6	017·2	017·0	017·0	016·6	016·6	016·7	016·8	016·8	016·8	016·7	016·5	016·0	015·3	014·9	014·4	014·2	014·3	014·4	014·3	014·3	014·4	014·3	013·8	013·5	015·6
7	013·2	012·5	012·0	011·8	011·6	011·6	011·5	011·3	011·4	011·3	010·1	009·5	008·3	007·6	006·9	006·4	006·2	005·7	005·2	004·3	003·5	002·3	001·1	000·3	008·4
8	999·1	998·0	996·7	995·3	994·1	992·9	991·8	990·4	989·3	988·1	986·7	986·1	986·0	986·5	986·5	986·5	986·5	986·3	986·2	986·1	986·0	985·9	985·5	985·3	989·6
9	985·1	985·1	984·3	983·8	983·3	983·4	983·5	983·9	984·1	984·5	984·8	985·4	985·7	985·9	986·4	987·2	987·5	988·2	988·8	989·3	989·6	990·3	990·4	990·6	986·2
10	990·9	991·1	991·2	991·2	991·4	991·6	991·9	992·5	993·1	993·3	993·3	993·2	993·0	993·0	992·9	992·9	993·2	993·7	994·1	994·2	994·2	994·2	994·1	994·1	992·8
11	994·1	994·0	994·0	993·9	994·4	994·8	995·3	996·0	996·1	996·4	996·8	996·8	996·8	997·0	997·7	997·8	998·7	999·5	999·9	000·6	001·1	001·7	002·2	002·9	997·3
12	003·8	004·2	004·3	005·0	005·8	006·4	007·0	008·1	008·8	009·1	009·1	009·0	008·8	008·3	008·0	007·7	007·4	007·4	007·4	006·8	005·9	004·9	003·8	002·9	006·7
13	001·7	000·5	000·4	000·1	999·6	999·6	999·8	999·9	999·8	999·8	000·1	000·2	000·1	000·1	999·9	000·0	000·1	000·4	001·1	001·2	001·2	001·1	001·1	000·8	000·4
14	000·1	999·2	997·9	996·8	995·2	994·0	993·2	993·3	993·1	994·0	994·7	995·5	996·1	996·3	997·2	997·9	998·6	999·2	999·5	999·8	000·1	000·2	000·6	001·2	997·2
15	002·0	002·5	003·0	003·4	004·1	005·0	005·8	006·3	007·1	007·7	008·2	008·3	008·4	009·1	009·7	010·4	011·3	012·0	012·2	012·5	012·5	012·4	012·2	012·1	008·0
16	011·4	010·3	009·3	008·9	008·2	008·3	008·3	008·3	008·5	008·6	009·3	009·0	009·0	009·1	009·5	009·9	010·1	010·3	010·3	010·1	009·5	009·0	008·7	008·3	009·3
17	008·3	008·4	008·5	009·2	009·8	011·1	011·7	013·2	014·3	015·1	015·8	016·3	017·0	017·4	017·8	017·8	017·7	017·7	017·5	017·3	017·0	015·4	013·6	012·5	014·1
18	011·0	009·4	007·3	006·3	007·0	007·9	008·3	008·7	010·0	011·2	012·6	013·6	014·7	015·5	016·4	017·0	018·2	018·8	019·6	020·0	020·3	020·4	020·4	020·7	013·8
19	021·0	021·3	021·5	021·7	022·2	022·4	022·9	023·3	023·3	023·2	022·4	021·9	021·1	020·2	020·1	019·2	018·3	017·5	016·6	015·5	014·4	013·1	011·8	009·9	019·6
20	008·6	007·0	005·9	004·8	004·2	003·5	003·7	004·0	003·4	003·7	003·4	002·8	002·8	002·5	002·1	001·2	000·8	000·2	999·4	999·0	998·0	997·1	996·3	995·8	002·4
21	995·2	994·8	994·7	995·1	995·5	995·5	996·6	996·7	998·1	998·8	000·3	000·8	000·9	001·0	000·8	000·6	000·6	001·2	001·6	001·8	002·1	002·2	002·2	002·2	999·0
22	002·2	001·9	001·8	001·5	001·3	001·1	001·1	001·3	001·5	001·3	001·3	001·0	000·8	001·0	002·9	004·4	006·3	008·1	009·7	010·6	011·5	012·2	012·7	012·9	004·4
23	013·0	012·9	012·6	012·5	012·3	011·8	011·2	010·9	010·1	009·3	008·4	006·2	005·1	004·8	004·3	003·7	002·4	001·9	001·9	002·0	003·0	004·1	004·9	005·5	007·4
24	006·0	006·1	005·6	005·3	004·8	004·0	003·5	003·1	003·1	003·0	002·6	002·3	002·3	002·3	002·7	002·9	003·8	004·8	006·1	007·5	008·7	009·1	010·1	011·2	004·9
25	011·5	012·3	012·8	013·2	013·5	014·0	014·1	014·4	014·4	014·0	013·8	012·9	011·8	010·9	009·7	008·7	007·7	006·6	005·4	004·0	002·4	001·0	999·3	997·8	009·7
26	996·4	995·7	994·5	994·3	993·6	993·6	994·2	994·6	995·2	995·6	996·5	996·6	997·3	998·1	998·4	998·9	999·7	000·7	001·3	001·8	002·1	002·7	002·9	002·8	997·7
27	002·7	002·5	002·1	001·4	000·9	000·4	000·1	999·2	998·9	998·4	998·1	997·4	997·3	996·9	996·3	996·1	995·8	995·2	994·0	993·4	992·7	991·9	991·1	990·9	997·5
28	991·2	991·9	992·8	993·3	994·4	995·4	996·7	998·4	999·2	999·9	000·8	001·1	001·7	002·4	002·8	003·6	004·7	005·7	006·6	007·5	008·3	008·9	009·5	009·9	000·7
29	010·3	010·3	010·7	010·8	010·7	011·0	011·7	011·4	010·9	010·7	010·1	009·1	007·9	006·2	004·7	002·7	000·5	998·4	994·8	992·0	990·4	990·1	990·2	990·3	004·4
30	990·2	990·1	990·0	990·0	990·1	990·1	989·9	990·2	990·4	990·8	991·1	991·2	991·4	992·0	992·7	993·1	993·9	994·7	995·2	995·4	996·0	996·2	996·7	997·1	992·3
31	997·4	997·3	998·0	998·4	999·3	000·1	001·8	003·8	005·0	006·1	006·9	007·9	008·8	009·6	010·6	011·5	012·5	013·6	014·5	015·3	015·9	016·1	016·3	016·5	007·2
Mean (Station Level)	1005 ·15	1004 ·90	1004 ·64	1004 ·48	1004 ·44	1004 ·52	1004 ·74	1004 ·99	1005 ·18	1005 ·27	1005 ·30	1005 ·17	1005 ·09	1005 ·08	1005 ·18	1005 ·27	1005 ·49	1005 ·74	1005 ·83	1005 ·88	1005 ·90	1005 ·80	1005 ·66	1005 ·55	1005 ·21
Mean (Sea Level)	1006 ·41	1006 ·17	1005 ·90	1005 ·75	1005 ·70	1005 ·79	1006 ·01	1006 ·26	1006 ·45	1006 ·54	1006 ·55	1006 ·43	1006 ·34	1006 ·34	1006 ·44	1006 ·53	1006 ·75	1007 ·00	1007 ·10	1007 ·15	1007 ·17	1007 ·07	1006 ·93	1006 ·82	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.

Readings in millibars at exact hours, Greenwich Mean Time.

451. Richmond (Kew Observatory): H_b (height of barometer cistern above M.S.L.) = 10·4 metres. November, 1932.

Hour G. M. T.	1.	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	016·7	016·6	016·7	016·9	016·7	016·7	016·6	016·8	016·6	016·2	016·0	015·3	014·6	014·6	014·5	014·5	014·5	014·6	015·0	015·0	015·2	015·6	015·7	015·9	015·7
2	016·3	016·4	016·2	016·4	016·4	016·7	017·2	017·5	017·9	017·6	017·8	017·8	017·6	017·7	017·8	018·6	018·8	019·2	019·4	019·4	019·9	020·2	020·4	020·4	018·0
3	020·4	020·6	020·7	020·9	021·0	020·8	021·4	022·0	021·6	021·6	021·4	021·0	020·5	019·9	019·3	019·1	019·0	018·9	018·6	018·2	017·8	017·5	017·0	016·7	019·9
4	016·1	015·9	015·4	015·1	014·7	014·4	014·2	014·2	014·0	013·9	013·8	013·4	012·8	012·2	012·1	012·2	012·1	012·2	012·2	013·2	015·2	016·6	017·4	018·2	014·2
5	018·5	019·2	019·8	020·3	021·2	022·4	023·8	024·7	025·7	026·2	026·7	026·9	027·0	027·3	027·7	028·1	028·6	029·3	029·5	029·7	030·1	030·2	030·3	030·5	025·7
6	030·3	030·3	030·2	030·2	029·9	029·5	029·6	029·6	029·6	029·5	028·9	028·0	027·1	026·5	026·1	025·9	025·5	025·5	025·1	025·2	025·0	024·9	024·0	023·5	027·6
7	023·1	022·5	022·1	021·9	021·5	021·2	021·3	021·4	021·3	021·2	020·6	020·1	019·7	019·4	019·1	019·3	019·4	019·5	019·3	019·3	019·3	019·3	019·1	019·0	020·5
8	018·6	018·3	018·1	018·0	017·9	017·8	018·1	018·3	018·2	018·1	017·8	017·0	016·4	015·8	015·4	015·3	015·2	015·2	015·2	015·2	015·1	014·8	014·4	014·1	016·7
9	013·7	013·4	013·2	013·4	013·2	013·7	014·0	014·3	014·4	014·6	014·5	014·4	014·3	014·2	014·6	014·8	015·4	015·8	016·4	016·8	017·3	017·5	017·5	018·1	014·9
10	018·2	018·8	019·0	019·3	019·8	020·2	020·3	020·8	021·3	021·6	021·7	021·7	021·6	021·8	021·7	021·6	021·9	022·5	022·9	023·3	023·8	024·1	023·9	023·9	021·4
11	023·7	023·4	023·0	022·9	023·0	023·1	023·1	023·2	023·2	023·1	022·9	022·4	022·3	022·3	022·4	022·6	022·9	023·5	023·5	023·6	023·6	023·6	023·7	024·0	023·1
12	024·1	024·5	025·0	025·0	025·1	025·3	025·6	026·3	026·9	027·6	027·7	027·7	027·8	027·6	028·3	028·3	028·6	029·4	029·6	030·0	030·3	030·4	030·5	030·5	027·5
13	030·6	030·7	030·7	031·0	031·5	031·6	032·1	032·5	032·8	032·9	032·8	032·4	032·3	031·9	031·3	031·2	031·2	031·0	030·8	030·7	030·4	030·0	029·4	029·0	031·3
14	028·7	028·6	028·4	028·2	028·1	027·9	027·7	027·5	027·3	027·2	026·6	026·1	025·4	024·7	024·5	024·1	024·0	024·1	024·1	023·9	023·5	023·4	023·0	022·7	025·9
15	022·2	022·1	021·7	021·6	021·2	021·0	021·1	021·2	021·1	021·0	020·7	020·5	020·3	020·3	020·0	020·1	020·1	020·2	020·1	020·0	020·1	020·1	020·2	020·2	020·8
16	020·1	020·0	019·8	019·9	020·0	020·2	020·5	020·9	021·5	021·8	021·6	021·5	021·4	021·4	021·4	021·4	021·6	021·9	022·0	022·0	022·0	021·9	021·5	021·3	021·1
17	021·3	021·1	020·6	020·3	020·2	019·6	019·4	019·6	019·6	019·6	019·5	019·2	019·0	018·8	018·6	018·5	018·2	018·3	018·2	018·1	018·2	018·2	018·0	017·4	019·2
18	016·9	016·8	016·5	016·2	015·6	015·3	014·9	014·9	015·1	015·0	014·8	013·9	013·4	013·0	012·5	011·9	012·0	012·0	012·0	011·9	012·0	011·9	011·8	011·6	013·9
19	011·3	011·3	011·1	011·2	011·3	011·3	011·5	011·7	011·9	012·3	012·1	012·0	011·8	011·6	011·5	011·3	011·4	011·3	011·2	011·0	010·9	010·6	010·4	010·3	011·4
20	010·1	009·5	009·4	009·3	009·4	009·4	009·5	010·0	010·1	010·2	010·1	009·8	009·5	009·4	009·3	009·3	009·4	009·3	009·4	009·0	008·8	008·5	008·4	008·2	009·4
21	008·1	008·1	007·9	008·3	008·4	008·7	009·4	010·4	011·0	011·4	011·5	011·6	011·5	011·8	012·2	013·0	013·7	013·9	014·2	014·5	015·0	014·8	014·6	014·7	011·5
22	014·5	014·2	013·8	013·2	012·7	011·9	010·9	010·1	008·9	007·3	005·6	003·1	000·7	999·4	997·6	997·0	996·6	997·1	997·5	998·4	999·6	000·2	000·5	001·4	005·0
23	002·3	002·6	002·5	002·5	002·2	002·1	001·8	001·8	001·8	001·9	001·7	001·1	001·5	001·6	001·6	002·4	002·7	003·2	003·8	004·5	004·6	005·2	005·7	006·2	002·7
24	006·5	006·7	006·7	006·7	006·8	007·3	007·6	008·6	009·3	009·5	009·4	008·9	008·4	008·7	008·9	009·5	010·3	011·2	011·7	012·2	012·3	012·3	012·1	011·2	009·2
25	010·5	010·5	010·4	010·5	010·8	011·3	012·1	013·2	014·1	015·0	015·3	015·5	015·9	015·7	016·2	016·6	016·5	016·9	017·0	017·0	016·8	016·7	016·4	015·9	014·4
26	014·9	014·2	013·4	012·3	011·3	010·3	009·6	009·3	008·4	008·0	007·3	006·7	006·1	006·2	006·3	006·1	006·2	006·1	006·2	006·4	006·3	006·3	006·2	006·2	008·5
27	006·3	006·3	006·4	006·4	006·5	006·6	007·0	007·5	007·9	008·1	008·2	008·1	008·0	008·2	008·4	008·5	009·6	011·5	013·0	014·5	016·3	017·6	018·9	020·3	009·7
28	021·4	022·3	023·2	024·2	025·3	026·2	027·2	028·0	028·6	029·3	029·4	029·4	029·1	029·2	029·3	029·5	029·5	029·8	030·4	030·5	031·0	030·8	030·8	030·7	027·9
29	030·5	030·5	030·2	029·8	029·6	029·2	029·2	029·2	029·1	028·7	028·1	027·2	026·3	025·2	024·3	023·8	023·2	022·4	022·1	021·4	020·5	020·0	019·1	018·5	026·0
30	017·9	017·3	016·2	015·5	014·5	014·3	013·9	013·3	013·0	012·4	011·4	010·5	009·6	008·5	008·2	007·8	007·4	007·2	007·1	006·7	006·5	006·2	006·0	005·7	011·0
Mean (Station Level)	1017 ·80	1017 ·76	1017 ·61	1017 ·58	1017 ·53	1017 ·53	1017 ·69	1017 ·96	1018 ·07	1018 ·09	1017 ·86	1017 ·44	1017 ·06	1016 ·83	1016 ·70	1016 ·74	1016 ·85	1017 ·10	1017 ·25	1017 ·39	1017 ·58	1017 ·65	1017 ·56	1017 ·54	1017 ·47
Mean (Sea Level)	1019 ·09	1019 ·05	1018 ·91	1018 ·87	1018 ·82	1018 ·83	1019 ·00	1019 ·25	1019 ·37	1019 ·38	1019 ·15	1018 ·72	1018 ·35	1018 ·11	1017 ·99	1018 ·03	1018 ·13	1018 ·39	1018 ·54	1018 ·67	1018 ·87	1018 ·94	1018 ·85	1018 ·83	1018 ·76

452. Richmond (Kew Observatory): H_b = 10·4 metres. December, 1932.

Hour G. M. T.	1.	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	005·1	004·8	004·4	004·1	003·9	003·7	003·4	003·5	004·1	004·7	005·8	006·8	007·9	008·4	009·1	010·1	011·2	012·0	012·8	013·2	013·8	013·9	013·7	013·5	007·9
2	013·4	012·5	012·6	011·7	011·8	010·0	009·5	008·4	007·5	006·7	005·2	003·8	002·3	000·9	999·6	999·2	998·8	998·4	998·3	997·6	997·2	997·0	996·4	996·3	004·3
3	996·4	996·7	996·5	996·5	996·5	996·9	997·1	997·6	997·9	997·9	997·4	997·5	997·2	997·0	997·1	997·3	997·3	997·4	998·0	998·2	998·4	999·0	999·2	999·3	997·5
4	999·3	999·7	000·0	000·2	001·1	002·2	003·5	005·0	006·2	007·2	007·9	009·0	008·4	008·6	009·8	010·3	011·0	011·4	012·1	012·4	012·9	013·2	013·2	013·2	007·1
5	013·3	013·2	013·1	013·0	012·8	012·4	012·3	012·6	012·9	013·0	012·9	012·6	012·3	012·1	011·8	012·1	012·1	012·2	012·4	012·6	012·8	013·2	013·3	013·4	012·7
6	013·7	014·2	014·4	014·5	014·6	014·8	015·4	015·8	016·3	016·9	017·0	017·0	017·2	017·3	017·9	018·0	018·3	018·9	019·5	019·8	020·4	020·9	021·2	021·3	017·1
7	021·6	021·8	021·9	022·0	022·3	022·5	022·9	023·5	024·5	024·4	024·3	024·3	024·2	024·4	024·4	024·7	025·2	025·4	025·4	025·3	025·2	025·2	025·1	025·1	023·9
8	025·0	024·9	024·6	024·2	024·2	024·2	024·3	024·4	024·7	024·7	024·6	024·4	024·0	023·8	023·7	023·6	024·0	023·7	024·1	024·2	024·4	024·4	024·4	024·3	024·3
9	024·5	024·7	024·7	024·7	024·7	024·9	025·0	025·2	025·5	025·6	025·5	025·3	025·3	025·1	025·2	025·2	025·3	025·3	025·2	025·1	025·1	025·0	025·0	025·0	025·1
10	024·4	024·2	024·0	023·8	023·7	023·6	023·5	023·3	023·3	023·2	022·7	021·9	021·5	020·9	020·3	019·9	019·8	019·5	018·9	018·7	019·0	018·9	018·9	018·8	021·7
11	018·2	017·6	017·5	017·4	016·6	016·3	016·1	016·3	016·4	016·5	016·3	015·6	015·0	014·4	014·0	014·1	014·1	014·2	013·8	014·1	014·1	014·0	014·1	014·0	015·5
12	014·0	013·6	013·5	013·4	013·3	013·0	013·4	013·5	013·6	013·9	013·7	013·4	013·2	012·6	012·6	012·8	012·9	012·9	012·7	013·0	013·0	012·6	012·6	012·6	013·2
13	012·6	012·7	012·8	012·7	012·3	012·5	012·3	012·3	012·4	012·5	012·4	011·7	011·3	011·1	010·9	011·1	011·3	011·3	011·4	011·4	011·5	011·5	011·6	011·6	011·9
14	011·7	012·1	012·1	012·3	012·7	013·4	014·5	015·5	017·1	017·8	018·4	018·7	019·0	019·2	019·5	020·2	021·1	021·7	022·6	023·0	023·6	023·8	024·2	023·9	018·0
15	023·9	023·9	023·8	023·5	023·2	023·3	023·5	023·6	023·6	023·5	023·6	023·3	022·4	022·8	023·3	024·0	024·1	024·7	025·4	026·2	026·6	027·1	027·7	028·1	024·3
16	027·8	027·5	026·8	026·7	026·5	026·6	026·5	026·6	026·8	027·2	026·6	025·9	025·2	025·1	025·0	025·0	025·0	024·6	024·5	024·5	024·4	024·3	023·3	022·7	025·7
17	022·1	021·9	021·5	020·5	019·9	020·1	020·2	021·2	021·3	021·5	021·8	020·8	019·6	018·6	018·4	018·3	018·0	018·5	018·4	018·2	017·6	018·1	017·7	017·6	019·8
18	017·2	016·4	016·7	016·4	016·6	016·6	017·1	017·4	017·7	017·9	017·6	017·4	017·0	016·6	016·3	016·8	016·4	016·4	016·5	016·7	016·7	016·8	016·8	016·4	016·9
19	016·5	016·6	016·4	016·2	016·0	015·6	015·7	015·7	015·7	015·9	015·7	015·1	014·5	014·4	014·3	014·3	014·4	014·4	014·5	014·7	014·7	014·6	014·5	014·4	015·2
20	014·4	014·5	014·6	014·6	014·6	014·9	015·6	016·1	016·5	017·3	017·4	017·3	017·4	017·4	017·7	018·1	018·1	018·6	018·5	018·4	018·2	018·2	018·2	018·1	016·8
21	017·4	017·3	017·1	017·0	016·7	016·7	016·9	017·5	017·9	018·1	018·4	018·1	017·8	017·6	017·5	017·5	017·5	017·2	017·3	017·3	017·0	016·9	016·9	016·8	017·4
22	016·6	016·2	015·8	015·7	016·0	016·5	017·0	018·2	019·0	019·9	020·5	021·2	021·3	021·5	022·4	022·4	022·9	023·5	023·5	023·5	023·3	023·3	023·2	023·1	020·1
23	022·8	022·4	022·1	021·5	021·3	020·8	020·7	019·8	020·1	019·8	019·3	018·4	017·6	016·4	015·8	015·8	015·6	015·5	015·7	015·9	016·5	017·3	018·0	018·8	018·7
24	019·5	020·3	021·4	022·4	023·4	024·4	025·7	027·4	028·6	030·0	031·3	031·8	032·6	033·2	034·0	035·0	035·7	036·7	037·4	037·8	038·5	038·6	039·4	039·5	030·6
25	039·5	039·9	040·6	040·7	040·9	041·1	041·5	041·7	042·1	042·5	042·4	042·1	041·8	041·5	041·0	040·8	040·7	040·6	040·6	040·5	040·4	039·7	039·2	038·9	040·9
26	038·5	038·2	037·2	036·9	036·3	036·0	035·5	035·1	034·9	034·7	034·1	033·4	032·5	031·7	031·5	031·1	030·6	030·3	030·2	030·0	029·7	029·2	029·0	028·8	033·4
27	028·4	028·3	028·2	027·9	027·4	027·3	027·3	027·3	027·3	027·3	027·2	026·4	025·6	025·1	024·9	024·5	024·5	024·2	023·8	024·0	024·1	023·9	023·7	023·7	026·0
28	023·7	023·5	023·3	022·5	022·0	022·1	022·1	022·2	022·3	022·5	021·9	021·4	020·6	019·9	019·9	019·8	019·7	019·4	019·1	019·2	019·2	018·8	018·8	018·6	021·0
29	018·0	017·6	017·1	016·7	016·4	016·1	015·8	015·7	015·7	015·6	015·2	014·4	013·8	013·1	012·9	012·5	012·3	011·5	011·5	011·4	011·3	010·8	010·7	010·1	014·2
30	009·4	009·4	009·2	008·8	008·2	007·9	007·6	007·4	007·6	007·5	006·9	006·2	005·5	005·0	005·1	005·2	005·4	005·8	006·8	008·0	008·8	009·4	009·9	010·2	007·5
31	010·6	011·2	011·2	011·1	011·0	011·1	011·0	010·9	010·8	010·5	010·3	009·2	008·1	006·6	006·1	005·6	005·1	004·9	004·5	004·2	003·7	003·7	003·8	003·9	008·0
Mean (Station Level)	1018 ·05	1017 ·99	1017 ·91	1017 ·73	1017 ·64	1017 ·66	1017 ·84	1018 ·09	1018 ·40	1018 ·60	1018 ·53	1018 ·17	1017 ·81	1017 ·49	1017 ·48	1017 ·59	1017 ·69	1017 ·78	1017 ·92	1018 ·04	1018 ·13	1018 ·17	1018 ·18	1018 ·13	1017 ·96
Mean (Sea Level)	1019 ·35	1019 ·29	1019 ·21	1019 ·03	1018 ·94	1018 ·96	1019 ·14	1019 ·39	1019 ·70	1019 ·90	1019 ·82	1019 ·47	1019 ·10	1018 ·78	1018 ·77	1018 ·88	1018 ·98	1019 ·07	1019 ·21	1019 ·33	1019 ·43	1019 ·47	1019 ·48	1019 ·43	1019 ·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 AT STATION LEVEL AND AT SEA LEVEL.
ANNUAL MEANS FROM HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

453. Richmond (Kew Observatory): H_b = 10·4 metres. 1932.

Hour G.M.T.	1	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.	015·19	015·05	014·91	014·82	014·83	014·94	015·12	015·30	015·44	015·48	015·38	015·16	014·92	014·73	014·59	014·55	014·59	014·71	014·88	015·09	015·27	015·31	015·31	015·25	015·03
Sea Level.	016·47	016·33	016·19	016·10	016·11	016·22	016·40	016·58	016·72	016·75	016·65	016·43	016·18	015·99	015·85	015·81	015·85	015·98	016·15	016·36	016·55	016·59	016·59	016·53	016·31

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change†

454. Richmond (Kew Observatory): H_b = 10·4 metres. 1932.

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.	1021·84	-0·39	-0·38	-0·37	-0·39	-0·33	-0·22	+0·01	+0·41	+0·82	+1·11	+1·07	+0·68	+0·16	-0·13	-0·20	-0·25	-0·21	-0·25	-0·17	-0·23	-0·14	-0·20	-0·18	-0·23
Feb.	1030·18	+0·01	-0·10	-0·28	-0·34	-0·30	-0·26	-0·05	+0·22	+0·41	+0·56	+0·58	+0·37	+0·08	-0·25	-0·40	-0·43	-0·31	-0·13	+0·01	+0·11	+0·15	+0·14	+0·12	+0·13
Mar.	1013·68	+0·14	+0·05	-0·18	-0·23	-0·18	-0·02	+0·27	+0·53	+0·71	+0·71	+0·58	+0·35	0·00	-0·37	-0·66	-0·77	-0·71	-0·50	-0·26	-0·01	+0·11	+0·15	+0·15	+0·15
Apr.	1006·79	+0·23	+0·01	-0·15	-0·32	-0·34	-0·17	+0·03	+0·16	+0·26	+0·29	+0·20	+0·03	-0·09	-0·17	-0·46	-0·48	-0·42	-0·32	-0·12	+0·28	+0·45	+0·39	+0·41	+0·32
May	1010·11	+0·18	-0·06	-0·28	-0·34	-0·27	-0·15	-0·06	+0·03	+0·13	+0·12	+0·04	-0·01	-0·11	-0·11	-0·21	-0·31	-0·30	-0·21	-0·01	+0·19	+0·48	+0·48	+0·47	+0·32
June	1017·04	+0·19	+0·04	-0·14	-0·10	-0·02	+0·17	+0·34	+0·44	+0·41	+0·34	+0·21	+0·04	-0·10	-0·22	-0·41	-0·59	-0·64	-0·58	-0·42	-0·18	+0·20	+0·36	+0·39	+0·29
July	1011·24	+0·34	+0·18	+0·08	+0·01	+0·07	+0·18	+0·29	+0·35	+0·26	+0·23	+0·10	-0·07	-0·30	-0·48	-0·63	-0·69	-0·67	-0·54	-0·39	-0·04	+0·29	+0·45	+0·51	+0·49
Aug.	1017·67	+0·24	+0·08	-0·03	-0·15	-0·13	+0·11	+0·29	+0·36	+0·45	+0·45	+0·21	+0·09	-0·08	-0·24	-0·43	-0·55	-0·69	-0·65	-0·47	-0·03	+0·20	+0·34	+0·35	+0·33
Sept.	1011·98	+0·47	+0·23	+0·15	-0·04	-0·05	+0·05	+0·21	+0·23	+0·33	+0·22	+0·04	-0·11	-0·26	-0·43	-0·58	-0·68	-0·65	-0·54	-0·25	+0·09	+0·32	+0·36	+0·47	+0·43
Oct.	1005·21	+0·04	-0·21	-0·49	-0·66	-0·71	-0·63	-0·43	-0·19	0·00	+0·08	+0·09	-0·04	-0·13	-0·15	-0·06	+0·02	+0·23	+0·46	+0·55	+0·59	+0·60	+0·49	+0·33	+0·22
Nov.	1017·47	+0·16	+0·13	0·00	-0·01	-0·05	-0·03	+0·14	+0·43	+0·55	+0·59	+0·37	-0·03	-0·40	-0·61	-0·73	-0·67	-0·55	-0·28	-0·12	+0·03	+0·24	+0·32	+0·25	+0·25
Dec.	1017·97	+0·07	+0·01	-0·08	-0·25	-0·33	-0·31	-0·13	+0·12	+0·43	+0·64	+0·56	+0·21	-0·15	-0·46	-0·47	-0·36	-0·26	-0·17	-0·02	+0·09	+0·19	+0·23	+0·25	+0·20
Year.	1015·03	+0·14	0·00	-0·15	-0·23	-0·22	-0·11	+0·08	+0·26	+0·40	+0·45	+0·34	+0·13	-0·11	-0·30	-0·44	-0·48	-0·43	-0·31	-0·14	+0·07	+0·26	+0·29	+0·29	+0·24

† see page

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

455. Richmond (Kew Observatory): H_b = 10·4 metres. 1932.

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	022·1	013·9	042·5	037·7	021·9	012·8	003·9	983·8	004·4	001·7	010·9	008·9
2	015·8	014·0	038·2	036·4	012·8	009·8	988·8	985·6	009·3	000·5	011·4	009·1
3	021·4	015·2	036·4	034·2	015·1	011·2	991·0	984·8	014·5	009·2	012·6	010·3
4	023·0	016·7	034·7	029·6	016·0	014·6	004·3	990·7	015·2	012·9	015·7	011·7
5	019·7	002·4	029·7	028·1	015·1	003·9	010·0	004·3	012·9	008·4	018·4	015·1
6	002·4	982·1	029·9	026·9	006·4	003·1	009·8	998·5	008·4	004·7	023·2	018·4
7	998·5	989·0	027·9	026·2	012·1	006·4	001·1	994·8	005·2	003·6	023·7	022·8
8	005·9	993·6	027·9	018·3	010·5	006·0	021·4	001·1	005·7	003·4	024·5	023·3
9	007·8	997·8	023·2	017·1	015·3	010·5	021·4	004·6	008·8	998·4	024·3	021·5
10	997·8	987·3	028·5	023·0	015·4	011·5	004·6	995·4	015·0	008·8	021·6	014·4
11	002·4	988·6	029·3	026·9	022·5	012·6	012·8	997·0	014·6	010·6	014·4	010·3
12	012·0	002·4	029·2	025·9	024·9	022·5	029·4	012·8	012·9	010·8	016·2	013·0
13	015·0	001·4	028·9	023·4	023·8	020·6	031·9	024·2	013·1	008·0	021·7	016·1
14	022·4	013·3	033·2	024·7	022·8	018·8	024·2	006·5	016·7	012·6	023·5	021·5
15	023·5	010·4	036·0	033·1	025·7	022·8	009·4	005·4	012·6	004·9	023·7	021·9
16	022·7	014·0	038·2	035·4	023·0	016·0	009·5	007·9	015·1	004·2	023·3	021·1
17	028·1	012·0	039·2	037·4	019·2	016·5	014·1	008·8	021·4	015·1	022·8	019·9
18	032·3	027·5	039·3	037·3	025·9	019·1	016·5	014·0	021·4	018·6	021·0	018·1
19	033·5	031·5	038·3	036·0	026·2	023·7	016·4	010·4	019·3	015·7	019·1	015·9
20	032·1	030·6	042·3	038·1	026·4	025·1	010·4	001·1	016·2	007·8	017·0	015·1
21	031·5	028·1	042·4	034·3	026·3	023·7	005·8	002·1	007·8	002·7	020·8	016·6
22	036·1	028·5	034·4	031·4	024·2	018·8	009·6	005·8	009·8	002·5	023·7	020·8
23	039·8	036·2	031·4	020·1	019·7	018·3	010·0	006·9	009·2	004·0	024·7	023·1
24	039·5	034·9	022·8	014·8	019·6	015·9	015·5	009·9	010·8	004·8	024·3	017·8
25	044·8	037·1	026·9	022·8	015·9	004·0	016·7	014·2	010·9	009·7	017·8	014·3
26	047·6	044·6	025·8	023·6	007·4	002·1	014·2	007·7	011·6	009·8	015·3	012·9
27	046·8	043·0	026·4	024·6	008·2	995·2	009·9	005·4	011·5	010·5	013·9	007·3
28	043·0	036·5	026·9	024·5	000·2	996·2	005·4	999·1	011·0	010·5	011·8	005·9
29	037·9	036·0	024·8	021·7	002·6	997·2	002·8	001·3	014·0	010·4	014·3	011·8
30	041·7	037·5	-----	-----	997·2	990·3	005·2	002·0	015·6	013·7	012·9	000·3
31	044·5	041·7	-----	-----	002·1	994·8	-----	-----	015·3	009·2	-----	-----
Mean	1025·54	1017·67	1032·23	1028·05	1016·27	1011·10	1010·87	1003·04	1012·89	1007·99	1018·97	1015·31

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	003·5	995·7	015·2	009·7	022·4	017·2	015·6	005·9	017·0	014·4	014·1	003·3
2	016·4	003·5	016·6	014·1	017·5	009·8	016·0	009·0	020·5	015·9	013·5	996·3
3	018·4	016·4	016·0	013·6	009·8	004·2	018·4	013·3	022·0	016·7	999·3	996·3
4	017·2	012·3	017·1	014·5	017·6	009·6	021·4	018·4	018·2	012·0	013·3	999·2
5	012·3	009·6	022·4	017·1	017·5	009·4	019·6	016·8	030·5	018·2	013·4	011·6
6	013·6	009·9	023·9	021·6	009·4	001·9	017·3	013·5	030·5	023·5	021·3	013·4
7	018·8	013·6	024·4	022·8	006·7	004·7	013·5	000·3	023·5	019·0	025·5	021·3
8	022 3	018·7	023·2	020·4	005·3	998·6	000·3	985·3	019·0	014·1	025·1	023·5
9	023·7	021·3	021·5	019·8	009·5	001·3	990·6	983·3	018·1	013·1	025·6	024·3
10	021·9	015·7	020·3	015·4	008·8	003·9	994·3	990·6	024·1	018·1	025·0	018·6
11	015·7	009·9	015·4	009·0	010·9	997·5	002·9	993·7	024·0	022·2	018·8	013·8
12	012·8	010·3	012·5	007·3	017·3	010·9	009·2	002·9	030·5	024·0	014·1	012·5
13	010·7	003·4	014·4	012·1	019·0	016·4	002·9	999·4	033·0	029·0	012·8	010·5
14	009·4	006·4	015·1	011·4	027·3	018·7	001·2	992·9	029·0	022·7	024·2	011·6
15	009·2	003·5	021·0	015·1	030·0	027·3	012·8	001·2	022·7	020·0	028·1	021·8
16	006·2	001·2	023·3	020·4	028·5	020·2	012·1	007·9	022·1	019·8	028·1	022·7
17	014·2	006·2	024·0	021·9	020·2	011·3	018·0	008·2	021·4	017·4	022·7	017·6
18	022·0	013·5	024·5	020·7	011·3	002·9	020·7	006·2	017·4	011·6	018·0	016·3
19	022·0	019·2	020·7	015·5	015·1	005·0	023·4	009·9	012·4	010·3	016·6	014·2
20	019·2	012·7	015·5	009·0	020·5	015·1	009·9	995·8	010·3	008·2	018·6	014·4
21	014·0	012·5	014·4	010·5	023·2	019·6	002·5	994·5	015·1	007·9	018·5	016·6
22	013·1	007·5	025·6	014·4	019·6	999·5	012·9	000·4	014·7	996·6	023·6	015·6
23	013·4	008·1	027·6	025·6	001·6	997·9	013·0	001·6	006·2	001·1	023·1	015·4
24	013·3	006·3	027·8	025·3	001·9	999·7	011·2	002·2	012·4	006·2	039·5	013·8
25	006·3	000·6	025·5	020·4	001·4	998·9	014·5	997·9	017·1	010·3	042·5	038·9
26	004·2	001·1	020·4	016·0	009·0	000·2	003·2	993·5	015·9	006·0	038·9	028·3
27	008·4	003·4	019·8	016·6	024·6	009·0	002·8	990·9	020·3	006·2	028·8	023·6
28	011·0	006·7	018·5	015·7	027·7	024·6	009·9	990·9	031·1	020·3	023·8	018·6
29	014·5	010·6	015·7	009·4	025·1	011·1	011·7	990·1	030·7	018·5	018·6	010·1
30	014·5	010·3	013·3	008·5	011·6	009·1	997·1	989·5	018·5	005·7	010·2	005·0
31	010·9	007·8	021·8	013·2	-----	-----	016·5	997·1	-----	-----	011·3	003·6
Mean	1013·97	1008·96	1019·92	1015·71	1015·68	1008·52	1010·17	1000·10	1020·94	1014·30	1021·19	1014·78
									Year	-----	018·13	012·06

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

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

456. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres.

January, 1932.

Hour G. M. T.	1.	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	68·7	68·0	67·9	67·2	67·9	67·8	68·6	73·0	74·2	75·8	77·7	78·6	79·4	80·0	80·4	80·7	81·0	81·3	80·9	81·1	81·9	82·0	82·7	83·1	75·9
2	83·2	82·9	83·2	83·3	83·3	83·7	83·8	84·0	84·1	84·2	84·2	84·5	84·4	84·4	84·2	83·9	84·1	84·1	84·3	84·9	84·9	85·0	85·0	85·0	84·1
3	85·1	85·1	85·1	85·1	85·3	85·4	85·3	85·2	85·4	85·6	85·7	85·6	85·8	85·9	86·1	85·9	85·9	85·8	85·7	85·6	85·3	84·7	84·9	84·9	85·4
4	84·4	34·0	83·6	83·4	83·1	82·7	82·6	83·2	83·6	83·8	83·8	84·0	84·0	83·7	83·5	83·2	82·9	83·0	83·1	83·3	83·4	82·9	83·1	84·1	83·5
5	83·1	82·4	81·7	81·2	81·2	80·9	80·9	81·0	81·2	81·7	82·9	83·2	83·7	83·4	83·7	83·3	83·3	83·6	83·6	83·9	83·8	83·7	83·4	83·2	82·7
6	83·5	83·4	83·7	84·1	84·4	84·9	85·2	85·4	85·4	85·8	85·6	85·5	85·4	85·4	85·5	85·1	85·7	85·5	81·8	83·6	83·7	82·7	81·5	80·9	84·4
7	80·0	79·5	79·4	79·3	79·0	78·5	78·2	77·8	78·0	79·6	80·0	80·2	80·9	81·1	81·0	80·5	79·6	79·4	79·6	79·4	78·5	78·1	77·8	77·7	79·4
8	77·8	77·4	77·0	76·1	75·6	75·0	74·1	73·9	74·0	73·9	74·3	75·1	76·2	77·3	78·1	77·6	76·1	75·3	74·3	74·2	74·1	72·0	72·1	71·0	75·2
9	70·1	69·8	69·5	70·1	69·9	69·8	70·0	69·9	70·2	70·4	71·1	76·9	78·8	79·8	79·8	79·9	80·2	80·7	81·0	81·1	81·3	82·0	82·1	82·4	75·5
10	82·6	82·5	82·1	81·8	81·4	81·4	81·1	81·1	81·1	81·3	81·1	80·5	80·2	80·2	80·2	80·3	80·5	80·5	80·5	80·7	80·8	80·6	80·4	80·6	81·0
11	79·7	79·7	80·0	79·9	80·0	79·7	79·9	79·3	79·4	79·9	80·1	81·1	81·5	81·0	81·3	80·5	80·1	80·0	79·6	78·9	78·1	77·1	77·0	75·9	79·7
12	76·0	76·5	76·9	76·1	75·5	75·6	75·5	75·8	75·7	76·4	78·1	80·1	81·1	81·8	81·6	80·9	80·3	80·1	80·5	80·6	81·0	80·9	81·0	81·1	78·6
13	81·4	81·0	81·1	81·4	81·7	81·9	82·1	82·4	83·0	83·2	83·6	84·0	84·5	84·4	84·1	83·6	83·3	82·5	82·1	81·6	81·0	79·7	79·6	79·5	82·2
14	78·9	78·1	77·5	77·2	76·8	76·4	76·6	76·8	76·9	78·5	80·4	81·7	82·4	82·2	81·8	80·7	80·2	80·3	80·2	80·1	80·8	81·1	80·9	81·0	79·5
15	81·3	81·3	81·2	81·6	81·1	80·9	80·6	80·2	80·4	81·0	82·1	83·0	83·8	83·9	83·7	83·0	82·2	82·0	81·6	81·9	82·2	81·9	81·5	82·3	81·8
16	83·0	83·1	83·4	83·5	83·6	83·9	84·0	84·0	84·0	83·8	84·0	84·2	84·2	84·2	84·1	83·9	83·7	83·7	83·6	83·6	83·4	83·3	83·1	83·0	83·7
17	82·5	83·0	83·7	82·8	82·3	82·0	81·7	81·8	81·9	82·6	83·4	83·6	83·7	84·0	83·6	83·1	82·0	81·1	81·1	80·9	80·8	81·5	82·1	83·0	82·4
18	83·4	83·6	83·6	83·2	83·2	83·2	83·4	83·5	83·9	84·0	84·3	84·6	84·5	84·5	83·8	84·4	84·3	84·1	84·1	83·2	83·4	83·6	83·9	83·9	83·8
19	83·9	83·8	83·6	83·3	83·5	83·5	83·4	83·2	83·6	84·0	84·1	84·4	84·1	84·1	84·2	84·1	83·2	81·7	80·9	81·9	82·0	82·1	82·1	82·1	83·2
20	82·0	82·0	81·9	82·0	82·1	82·1	82·2	82·1	82·2	82·5	83·0	83·5	83·7	83·6	83·0	81·5	81·6	81·7	80·2	79·1	77·8	77·1	76·2	75·1	81·3
21	74·0	73·2	72·9	72·6	72·9	72·9	72·9	73·7	74·4	76·1	77·4	79·1	80·5	81·6	81·9	81·4	80·1	78·5	77·9	76·9	76·6	75·5	77·0	76·9	76·5
22	76·5	77·0	76·9	77·8	77·9	77·9	78·5	79·0	79·5	80·0	80·6	81·0	81·6	81·7	81·9	82·0	81·9	81·9	81·9	81·4	81·2	81·2	81·2	81·3	80·0
23	81·0	81·1	81·1	81·1	81·5	81·9	81·9	81·8	81·9	81·9	82·0	82·1	82·1	82·2	82·4	82·1	82·0	81·7	80·9	79·6	79·1	78·4	77·2	76·7	81·1
24	76·2	76·1	75·9	76·9	77·0	77·0	76·1	76·1	76·0	76·5	76·6	76·6	77·0	77·1	77·1	77·3	77·1	77·1	77·0	76·6	75·4	74·9	73·5	74·5	76·4
25	74·0	72·6	73·8	73·9	72·7	72·1	72·4	72·4	72·1	73·0	73·0	74·0	74·8	75·0	75·2	75·1	75·6	76·1	78·5	79·0	78·1	77·8	77·9	77·5	74·8
26	77·1	77·3	77·8	77·9	78·1	78·1	78·2	78·1	78·2	79·0	79·1	79·1	79·9	80·2	80·5	80·0	78·9	78·8	78·6	78·1	78·4	78·1	78·3	78·1	78·6
27	78·0	77·9	77·5	77·1	77·0	77·1	77·0	76·9	77·0	77·0	77·1	77·5	77·5	77·4	77·0	76·4	76·0	76·1	76·1	76·0	75·9	75·9	75·7	75·4	76·8
28	75·0	74·6	74·2	74·1	73·9	73·6	73·5	73·1	73·6	74·0	74·0	74·1	74·0	73·5	73·9	74·3	74·5	74·7	74·9	75·0	75·1	75·4	75·3	75·2	74·3
29	75·1	75·4	75·6	75·4	75·2	75·0	75·1	75·3	75·6	76·0	76·6	77·0	77·2	77·7	77·9	77·7	77·5	77·1	77·1	76·9	76·1	75·6	74·8	74·2	76·1
30	74·1	73·0	73·5	74·0	74·1	74·0	74·5	75·0	76·0	76·9	78·0	79·1	79·9	80·1	81·0	81·0	80·9	80·3	80·1	80·0	78·8	78·0	76·7	76·0	77·3
31	75·1	74·4	75·1	75·0	75·0	75·0	75·5	75·5	76·0	77·0	78·2	79·6	79·9	80·0	79·7	79·9	79·6	79·0	78·2	78·4	77·9	77·2	76·5	75·2	77·2
Mean	78·9	78·7	78·7	78·7	78·6	78·5	78·5	78·7	79·0	79·5	80·1	80·8	81·2	81·3	81·4	81·1	80·8	80·6	80·3	80·2	80·0	79·7	79·5	79·4	79·7

457. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

February, 1932.

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

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

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

458. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres.

March, 1932.

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	74·7	74·4	74·6	74·[illegible]	74·3	71·7	74·4	74·6	75·2	76·4	77·1	77·9	77·9	78·2	77·9	77·2	76·8	76·6	76·0	75·7	75·3	74·9	74·0	73·7	75·8
2	73·7	73·3	72·8	73·0	72·0	72·0	71·5	71·8	72·7	74·0	75·2	78·0	80·2	81·0	80·9	80·4	79·5	78·2	76·9	75·9	75·3	75·3	74·8	74·3	75·5
3	73·4	72·9	72·8	72·8	72·6	72·5	72·4	72·7	74·0	74·9	76·7	78·5	79·9	80·5	80·8	80·5	79·7	78·8	77·5	76·8	76·1	75·5	74·8	73·8	75·9
4	73·6	73·9	74·4	75·0	74·9	75·6	75·9	75·8	76·5	77·1	77·5	77·9	78·0	78·5	78·3	78·5	78·5	78·0	77·9	77·8	77·5	77·3	77·0	76·6	76·7
5	76·5	75·8	74·0	73·0	72·8	73·0	73·4	73·7	74·6	76·2	77·2	78·2	79·5	80·3	80·2	80·1	79·9	79·4	78·5	78·3	78·1	78·0	78·2	77·9	76·9
6	77·6	77·9	77·1	76·0	75·4	7[illegible]·7	74·2	74·8	76·7	78·2	79·5	80·4	81·3	81·0	81·1	81·6	80·8	79·5	78·3	78·0	77·6	77·8	77·3	76·4	78·1
7	76·6	76·4	75·3	74·9	74·3	73·5	73·5	74·5	76·9	79·0	80·1	81·2	81·7	82·5	81·9	81·8	79·9	79·8	79·7	79·3	79·8	80·6	80·8	80·9	78·4
8	81·2	81·2	81·1	81·1	81·0	81·2	81·3	78·4	78·0	78·2	78·6	78·7	79·0	79·2	79·1	79·0	77·8	77·6	77·3	77·1	77·0	76·8	76·6	76·2	79·0
9	75·5	74·6	74·5	74·2	73·7	73·2	73·3	74·0	75·2	75·8	78·2	78·5	78·9	80·0	79·2	79·0	78·6	78·3	76·8	76·1	75·1	74·6	74·0	73·6	76·1
10	73·0	71·9	72·0	70·1	69·7	69·9	70·0	71·0	72·2	73·0	75·7	77·8	78·0	78·8	78·6	78·2	76·1	76·1	75·7	75·0	74·5	74·7	75·0	74·9	74·2
11	74·2	73·8	73·6	73·2	72·9	72·2	72·8	73·2	74·0	75·1	76·5	77·2	78·2	78·0	79·0	78·4	78·2	76·8	75·3	74·8	73·8	73·1	72·6	72·1	75·0
12	71·9	71·4	71·0	71·1	70·7	69·8	69·8	71·00	72·4	73·1	73·7	74·3	75·0	75·6	76·0	76·1	76·0	75·4	74·5	73·5	71·8	71·9	71·3	71·0	72·9
13	70·4	69·5	69·5	69·3	69·3	68·8	69·2	70·1	71·6	74·6	76·9	78·5	77·8	78·4	78·4	78·0	76·7	75·4	74·2	73·6	73·0	72·9	72·2	71·4	73·3
14	70·9	70·6	70·2	69·6	69·5	69·9	69·9	70·4	72·1	73·3	74·6	80·1	82·0	82·6	82·8	82·6	81·8	80·6	79·4	78·8	78·2	77·3	76·2	76·8	75·7
15	75·5	74·7	74·3	76·6	75·5	76·7	76·9	77·0	77·7	78·3	79·0	80·3	80·3	80·2	80·3	80·6	80·2	79·0	77·8	76·5	75·5	75·5	75·0	74·0	77·5
16	73·7	73·8	74·3	74·0	74·2	74·0	74·4	74·8	75·2	75·6	76·7	79·5	81·7	82·6	83·0	82·3	81·3	79·6	77·7	77·0	75·8	75·5	74·8	74·2	76·9
17	73·5	73·4	73·1	73·8	74·0	74·3	74·4	75·0	77·3	78·0	79·6	79·5	79·7	80·0	80·5	80·5	80·0	79·6	78·5	77·5	76·7	76·8	77·0	76·0	77·0
18	75·7	75·6	74·6	73·7	73·7	74·2	74·3	76·0	77·3	78·2	78·9	79·5	79·5	80·1	80·0	80·2	80·1	79·9	78·7	77·5	75·4	74·5	73·4	72·5	76·9
19	72·3	71·6	71·8	71·3	71·0	71·0	70·5	72·7	75·0	78·1	80·4	80·6	81·9	83·2	83·3	83·1	82·6	81·8	81·1	80·5	80·0	79·6	79·0	78·9	77·4
20	78·7	78·4	78·1	77·7	77·4	76·0	76·0	77·3	79·3	80·4	81·7	82·5	83·6	84·5	84·9	84·9	84·1	83·0	81·9	81·0	80·3	79·7	79·1	78·4	80·4
21	77·9	77·4	76·7	76·6	76·0	76·3	76·9	78·3	79·8	81·7	83·3	84·0	84·5	84·5	84·0	83·5	83·3	83·0	82·6	82·0	81·5	81·3	81·1	80·9	80·7
22	80·8	80·5	80·4	80·3	80·2	80·1	80·2	80·8	81·3	81·3	81·2	81·1	81·6	81·7	81·5	81·5	81·3	81·0	80·0	78·3	78·3	77·0	75·8	75·0	80·2
23	75·0	75·1	75·2	75·1	74·0	74·4	74·5	76·0	77·9	80·0	82·0	82·8	82·7	82·5	81·8	82·0	82·3	81·7	80·5	79·4	79·2	77·5	77·5	75·9	78·5
24	77·5	77·5	77·4	76·9	76·8	76·8	76·7	76·6	77·9	79·1	81·0	82·4	83·7	84·0	83·6	83·4	83·4	82·0	80·1	78·7	77·7	76·6	75·2	76·5	79·2
25	75·0	74·4	74·5	74·0	74·3	74·0	75·1	77·7	79·2	80·3	81·5	82·7	83·2	83·5	83·6	82·9	82·1	81·0	80·4	80·0	79·4	78·9	78·1	78·1	78·9
26	78·5	78·3	77·9	77·3	76·5	76·5	77·0	77·9	78·3	80·4	82·0	82·8	83·1	83·4	83·3	82·0	81·5	81·0	80·8	81·0	81·0	80·9	80·8	80·7	80·1
27	80·9	80·7	80·3	80·1	79·9	79·6	79·5	79·0	80·2	81·7	82·0	82·5	83·1	83·0	81·6	81·5	81·5	81·6	82·0	82·0	81·9	81·8	80·5	80·0	81·1
28	78·7	79·3	79·0	79·3	79·9	80·5	80·8	81·8	82·7	84·0	84·3	84·7	85·3	84·9	84·2	84·3	84·0	83·0	81·6	80·7	80·6	80·9	80·9	80·5	81·9
29	79·8	79·9	80·4	80·7	80·2	79·8	80·3	81·6	82·6	83·6	83·7	83·0	82·5	32·0	82·5	83·3	84·2	83·4	83·1	83·0	83·2	83·2	83·1	83·0	82·1
30	82·5	82·5	82·7	82·5	82·1	81·7	81·3	81·8	82·6	83·3	84·5	85·3	84·5	84·4	85·1	84·6	85·1	83·7	82·4	81·3	80·9	81·0	81·1	80·6	82·9
31	80·6	80·5	80·8	80·6	80·6	80·9	81·4	82·4	83·5	83·4	83·6	84·7	85·5	85·6	85·3	83·0	83·2	82·7	82·4	82·2	80·6	79·1	78·5	78·1	82·1
Mean	76·1	75·8	75·6	75·4	75·2	75·1	75·2	75·9	77·1	78·3	79·4	80·5	81·1	81·4	81·4	81·1	80·7	79·9	79·0	78·4	77·8	77·4	77·0	76·5	78·0

459. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

April, 1932.

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

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

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

460. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres.

May, 1932.

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

461. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

June. 1932.

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

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

462. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres.

July, 1932.

Hour G. M. T.	1.	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	91·0	90·6	90·5	90·3	90·0	90·0	90·0	90·3	90·9	91·4	92·8	93·2	94·7	94·3	93·7	93·7	93·0	92·5	91·9	90·3	89·4	88·7	88·0	87·3	91·3
2	87·3	87·0	87·2	87·7	87·8	87·9	88·2	88·6	89·7	90·2	90·6	91·7	91·9	92·0	92·7	93·2	93·1	92·2	91·5	90·2	88·8	87·5	86·6	85·5	89·6
3	84·7	84·3	84·5	83·4	85·3	87·0	88·5	89·5	90·0	91·2	91·5	91·4	92·4	92·8	93·1	93·2	94·0	92·8	91·5	90·3	89·4	88·2	87·5	87·5	89·3
4	87·0	86·5	87·3	86·7	88·5	88·7	90·3	92·3	93·9	94·9	95·6	96·2	97·0	97·4	97·6	97·4	97·3	96·5	94·5	92·8	90·9	89·5	88·6	87·4	92·3
5	87·6	86·8	87·1	87·0	88·2	88·8	89·5	90·5	91·6	91·4	90·0	90·6	90·6	90·7	90·4	90·5	90·5	90·3	90·0	89·7	89·4	88·8	88·3	88·2	89·4
6	88·0	87·6	87·2	86·8	86·4	86·9	87·3	88·5	89·7	90·7	91·6	92·5	92·0	93·1	93·1	93·1	92·5	92·0	92·2	90·0	88·3	87·1	87·2	87·1	89·6
7	86·6	86·4	86·2	86·0	86·4	87·2	87·3	88·9	89·9	92·3	89·0	91·0	90·3	92·4	92·6	92·3	93·7	92·0	92·2	90·2	89·3	89·1	88·9	87·9	89·5
8	86·6	85·7	85·9	85·3	87·0	87·3	88·2	89·6	90·5	92·1	93·1	94·0	95·7	95·5	95·9	96·1	96·4	96·3	95·0	94·1	92·7	91·5	90·7	90·5	91·4
9	89·5	88·8	88·6	88·2	87·9	88·0	89·3	90·7	92·9	93·9	94·6	96·5	97·2	97·6	98·6	98·4	99·2	98·3	97·6	96·8	95·1	94·3	92·4	92·3	93·6
10	91·3	90·5	89·9	89·5	89·7	91·5	93·0	94·9	96·9	97·9	99·2	99·8	00·4	00·9	01·3	01·4	01·6	01·0	99·2	97·0	95·0	93·1	91·5	90·5	95·7
11	89·9	89·7	90·0	89·8	90·0	91·0	92·4	94·5	96·0	98·1	98·0	97·8	94·6	94·5	95·6	95·5	97·4	97·5	96·3	94·5	93·9	93·4	93·4	92·9	94·0
12	92·2	91·9	91·2	90·7	90·3	91·0	92·0	92·7	93·6	94·3	95·0	95·6	96·1	96·2	96·6	96·1	95·9	95·3	94·9	94·2	93·3	93·0	92·4	91·3	93·6
13	90·9	90·8	90·6	90·2	90·1	90·2	90·3	90·7	90·9	91·3	92·2	92·6	94·5	95·2	94·3	93·3	92·0	91·0	90·3	90·5	89·7	88·9	88·0	87·5	91·2
14	86·7	86·3	86·2	86·9	86·9	88·5	89·6	90·0	90·8	91·5	92·5	93·7	94·3	94·4	95·6	95·1	94·6	95·3	93·5	92·3	90·8	90·2	89·3	88·8	91·0
15	88·0	87·7	87·8	87·8	87·4	87·6	87·3	87·6	88·0	88·1	88·3	88·2	89·0	89·0	89·2	89·4	89·5	90·4	90·0	89·8	89·0	88·7	88·7	88·6	88·5
16	88·3	88·4	87·6	87·2	87·3	87·9	89·0	89·8	90·6	92·6	93·4	93·8	93·0	92·8	93·7	94·4	94·6	94·2	92·6	91·3	90·2	89·3	88·0	87·3	90·7
17	87·1	86·7	87·0	86·9	86·9	87·0	87·1	87·4	88·6	88·8	89·2	88·9	89·6	89·9	88·1	87·3	86·3	86·1	86·6	86·3	85·3	84·3	83·3	82·9	87·1
18	82·6	82·0	81·9	82·6	83·0	82·7	82·7	82·7	83·9	84·6	85·0	85·8	86·5	87·4	87·9	87·3	87·9	87·6	87·2	86·9	86·5	85·8	84·8	84·0	84·9
19	82·5	82·3	81·5	81·1	81·6	82·3	84·5	85·8	87·5	88·4	90·0	91·0	91·7	92·9	93·7	93·6	92·5	92·5	92·4	90·9	89·6	89·1	87·2	86·4	87·9
20	85·6	86·4	86·0	86·0	86·3	87·3	89·4	90·3	91·4	93·5	94·1	94·6	94·7	95·1	96·0	96·0	95·7	94·6	92·6	91·3	90·9	90·5	90·0	89·6	91·1
21	88·5	87·0	86·2	85·0	85·2	86·1	87·5	89·0	89·8	90·6	90·9	91·3	91·4	91·5	91·8	90·9	91·1	91·3	90·5	90·0	89·5	89·0	88·3	88·0	89·2
22	87·8	87·5	87·1	86·7	86·5	86·8	88·1	89·0	90·4	91·2	91·9	91·6	91·3	91·1	90·9	87·9	86·3	86·8	86·7	86·5	86·0	85·0	84·7	84·0	88·1
23	83·6	83·0	82·4	82·9	83·5	83·9	84·9	85·5	86·9	87·8	89·0	89·5	90·0	90·1	90·5	90·1	90·5	90·3	90·1	88·4	87·3	87·0	86·9	86·3	87·1
24	85·9	85·9	85·4	85·5	86·0	87·1	88·1	88·7	88·8	88·4	88·9	90·4	91·0	91·3	91·6	91·3	90·7	90·6	90·4	89·5	89·4	89·1	88·9	88·7	88·8
25	88·6	88·6	88·5	88·4	88·3	88·7	89·1	89·0	88·9	89·3	89·9	91·0	90·1	89·6	89·9	90·2	89·8	89·8	89·8	89·5	88·7	87·2	86·5	86·1	89·0
26	85·9	84·6	85·1	85·3	85·5	86·0	87·1	87·3	88·9	88·7	89·1	90·5	91·2	91·8	90·4	91·4	92·5	92·2	91·8	89·3	88·0	87·3	87·3	87·1	88·5
27	86·8	86·6	86·4	86·3	86·5	86·8	88·4	88·6	90·0	91·2	91·1	90·9	90·6	91·1	91·1	90·4	90·3	90·3	89·9	89·0	88·5	88·5	88·0	86·7	88·9
28	86·2	86·4	85·9	85·6	85·7	86·1	87·4	88·3	88·8	88·3	88·9	88·3	88·5	90·0	91·6	91·5	91·3	90·9	91·0	90·7	90·2	90·1	89·8	89·5	88·7
29	89·4	89·3	89·3	89·4	89·3	89·6	90·5	91·2	91·5	92·2	92·2	92·9	94·2	93·6	92·4	92·1	92·1	91·6	91·0	90·6	90·3	90·1	89·9	89·6	91·0
30	89·5	89·4	89·1	89·0	88·9	89·4	89·7	92·0	92·4	93·3	94·0	94·6	95·9	95·3	96·0	95·7	94·7	93·4	92·6	90·8	89·4	88·5	87·6	87·3	91·7
31	87·1	86·6	86·5	87·3	87·8	88·5	89·4	89·7	89·7	91·0	91·8	92·3	92·2	92·5	93·6	93·6	94·5	95·3	92·3	90·9	89·7	88·6	87·6	87·0	90·2
Mean	87·5	87·1	87·0	86·8	87·1	87·7	88·6	89·5	90·4	91·3	91·7	92·3	92·7	93·0	93·2	93·0	93·0	92·6	91·9	90·8	89·8	89·1	88·4	87·9	90·1

463. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

August, 1932.

Hour G. M. T.	1.	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	86·4	86·4	86·6	86·7	87·0	88·1	89·5	90·1	90·2	92·0	92·6	91·6	93·4	89·2	88·3	90·7	93·1	91·7	92·0	90·2	88·8	88·7	87·7	87·2	89·5
2	86·9	87·1	87·2	87·0	87·0	87·0	87·2	87·7	88·7	89·0	89·8	90·4	91·9	92·1	92·4	91·9	92·4	91·0	89·7	89·3	88·8	88·3	87·7	87·4	89·1
3	87·2	86·9	86·7	86·6	86·8	86·4	87·6	87·3	87·6	88·6	89·5	91·4	92·3	93·1	93·0	92·9	92·8	92·5	91·8	90·1	88·9	89·3	89·0	88·0	89·4
4	87·6	87·2	87·0	86·1	86·3	86·9	88·0	89·3	90·0	90·6	91·7	92·7	92·4	92·5	92·2	93·2	93·1	93·6	93·0	91·5	89·4	88·6	88·5	87·1	90·0
5	87·1	87·0	87·2	87·1	87·6	88·1	89·2	90·6	91·9	92·3	93·6	94·5	95·8	97·1	96·7	95·9	96·1	96·6	95·5	94·0	92·8	92·0	91·3	90·5	92·0
6	90·0	89·5	89·3	89·4	89·5	89·6	90·0	91·6	91·4	93·7	95·0	95·5	96·6	97·6	97·7	97·8	98·1	97·7	96·3	94·6	93·5	92·2	91·2	90·6	93·3
7	90·1	90·0	89·6	89·2	88·7	89·8	90·7	91·5	92·1	92·8	93·7	94·0	95·7	95·8	96·3	97·8	97·1	98·2	95·3	92·6	92·1	90·5	90·0	89·1	92·6
8	88·3	88·3	88·4	88·4	88·0	88·8	89·9	91·6	92·4	93·8	95·2	95·8	95·1	94·8	96·0	95·8	97·2	96·5	95·3	93·0	90·8	90·5	89·6	88·7	92·2
9	88·2	88·0	87·7	87·1	87·2	87·7	88·7	90·1	91·3	92·0	92·6	93·5	95·0	96·7	97·2	97·6	98·4	98·3	97·0	94·3	92·0	90·5	90·3	89·6	92·1
10	89·0	88·6	88·2	87·9	87·2	87·9	89·0	91·0	93·9	95·3	95·9	96·7	97·8	98·4	98·8	99·3	99·9	00·0	97·6	94·4	92·2	91·3	90·2	89·6	93·3
11	88·3	88·0	88·0	87·5	86·7	87·1	89·8	93·6	95·6	97·7	99·6	01·7	02·8	03·1	03·0	02·7	02·3	01·3	99·9	96·3	95·3	94·4	93·2	92·6	95·4
12	92·3	92·2	92·2	91·5	91·8	92·0	91·9	92·8	94·4	96·0	97·0	96·4	95·1	97·3	96·9	97·5	97·0	95·2	94·9	93·0	91·7	90·6	90·0	89·4	93·7
13	89·0	88·5	88·2	87·6	87·3	88·2	88·6	90·3	91·1	91·0	92·1	93·3	94·8	95·1	95·3	96·2	95·9	94·9	92·1	90·3	88·7	88·0	86·4	85·9	90·9
14	86·1	85·7	85·1	84·5	84·7	86·0	87·5	89·6	91·3	92·4	93·7	94·1	94·3	95·1	95·2	95·0	95·3	94·0	92·6	92·2	91·6	91·6	91·4	90·9	90·7
15	90·1	89·5	88·9	89·0	89·1	89·4	89·8	90·2	90·6	90·8	91·7	93·2	94·9	94·5	94·8	94·3	93·7	92·6	92·0	91·5	91·5	91·2	91·0	90·6	91·5
16	90·3	90·0	89·8	89·5	89·3	89·2	89·2	89·3	89·4	89·9	91·5	92·6	94·0	94·6	96·1	96·6	96·9	96·5	95·5	93·3	91·7	91·2	90·4	90·0	92·0
17	89·6	88·6	88·3	88·8	88·9	89·1	89·5	90·1	92·2	94·9	96·5	98·4	99·4	99·9	01·0	00·9	01·3	00·6	98·5	96·4	95·2	94·0	93·3	92·2	94·4
18	91·2	90·6	90·1	89·5	89·9	90·0	91·1	92·9	95·4	97·5	99·1	00·7	02·3	03·9	04·1	04·3	03·2	01·5	00·4	98·2	97·2	96·6	95·6	94·9	96·6
19	94·4	93·8	92·6	92·3	91·7	93·4	95·4	97·3	00·3	01·5	03·6	04·9	05·6	05·9	05·4	05·3	04·8	03·7	00·0	97·1	95·3	94·3	93·6	93·0	98·6
20	93·3	92·4	92·5	93·7	93·0	93·6	94·5	95·5	97·1	98·5	00·1	01·7	02·0	02·1	01·0	01·0	00·9	99·0	97·4	96·6	96·5	95·4	93·7	93·3	96·9
21	92·2	92·1	91·7	91·5	91·1	91·2	91·7	92·7	94·0	94·5	95·2	96·3	96·2	96·3	96·2	96·2	95·7	94·0	93·4	92·5	92·1	91·9	91·7	91·3	93·4
22	90·8	90·8	89·5	88·1	87·9	87·5	87·6	87·8	88·1	88·3	89·3	89·7	90·6	91·3	91·3	91·3	90·9	90·2	89·4	89·0	88·6	88·5	87·4	86·8	89·3
23	86·5	86·2	85·9	85·8	85·7	86·0	86·6	87·6	88·3	89·7	90·5	91·2	92·0	92·4	92·4	92·4	92·0	91·5	91·0	90·1	89·4	89·3	88·0	87·4	89·1
24	87·3	86·8	86·7	86·7	86·5	86·6	87·0	87·8	88·7	89·8	90·0	90·6	91·6	91·9	91·0	91·3	90·9	90·4	89·9	89·4	89·1	89·0	88·5	88·3	89·0
25	87·7	87·3	87·4	87·3	87·3	87·5	88·0	88·8	90·1	90·8	91·5	92·9	93·1	93·9	93·9	94·0	93·5	92·6	91·0	90·2	89·3	88·6	88·2	88·2	90·1
26	88·2	88·1	88·3	88·7	89·2	89·5	89·7	90·3	91·4	92·5	94·6	96·0	97·0	97·1	95·6	93·6	92·6	92·3	91·6	89·5	88·5	88·0	87·5	86·9	91·1
27	86·8	86·1	86·1	86·3	85·9	85·6	86·6	87·7	88·2	89·3	91·2	92·1	93·8	94·5	95·7	95·7	95·9	95·5	93·3	91·5	90·6	89·3	89·3	88·6	90·2
28	89·1	88·7	88·3	88·0	87·6	87·3	88·3	89·5	91·1	93·0	94·5	95·7	95·6	95·7	94·6	94·5	95·0	93·7	93·3	92·0	91·6	91·2	90·3	89·9	91·6
29	89·0	88·5	88·7	89·2	89·1	89·1	89·5	90·5	91·8	92·5	95·0	96·6	96·0	96·7	96·6	96·2	96·0	94·6	93·5	92·6	91·9	90·6	90·6	90·2	92·3
30	90·1	89·8	89·6	89·3	89·1	89·1	89·4	90·3	91·6	91·9	93·4	94·1	94·5	94·5	94·2	94·2	93·4	92·9	92·0	91·3	89·9	88·9	87·7	87·0	91·2
31	86·8	86·4	86·0	86·2	86·0	87·3	88·1	90·0	90·5	91·5	90·6	89·3	90·7	91·5	92·2	92·1	92·0	91·2	89·9	87·4	86·2	85·3	84·7	84·3	88·6
Mean	89·0	88·7	88·4	88·3	88·2	88·5	89·3	90·5	91·6	92·7	93·9	94·8	95·6	96·0	96·0	96·1	96·0	95·3	94·0	92·4	91·3	90·6	89·9	89·3	91·9
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 in written 75·C.

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

464. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres. September, 1932.

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

465. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres. October, 1932.

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

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

466. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulb above the ground) = 3·0 metres.

November, 1932.

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

467. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

December, 1932.

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

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

TEMPERATURE : ANNUAL MEANS OF HOURLY VALUES.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

468. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres. **1932.**

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
81·58	81·34	81·18	81·04	81·03	81·20	81·61	82·24	83·00	83·82	84·59	85·23	85·62	85·83	85·85	85·67	85·37	84·89	84·22	83·56	83·05	82·62	82·22	81·90	83·28

TEMPERATURE : MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-periodic change.†

469. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres. **1932.**

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	24
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
Jan.	279·75	-0·72	-0·96	-0·95	-1·02	-1·10	-1·19	-1·17	-0·99	-0·74	-0·20	+0·33	+1·01	+1·42	+1·57	+1·58	+1·29	+0·99	+0·77	+0·51	+0·42	+0·20	-0·16	-0·35	-0·48
Feb.	276·40	-0·66	-0·74	-0·81	-1·03	-1·18	-1·38	-1·43	-1·35	-1·06	-0·46	+0·19	+0·80	+1·23	+1·62	+1·78	+1·61	+1·30	+0·97	+0·67	+0·39	+0·23	-0·06	-0·25	-0·47
Mar.	277·97	-1·79	-2·08	-2·30	-2·51	-2·79	-2·85	-2·73	-2·06	-0·85	+0·32	+1·48	+2·53	+3·12	+3·46	+3·40	+3·14	+2·67	+1·92	+1·02	+0·36	-0·23	-0·57	-1·06	-1·47
Apr.	280·71	-1·86	-2·00	-2·16	-2·29	-2·36	-2·08	-1·40	-0·55	+0·20	+0·93	+1·54	+2·04	+2·31	+2·42	+2·72	+2·49	+2·11	+1·55	+0·72	+0·02	-0·40	-0·88	-1·26	-1·70
May.	284·44	-2·22	-2·48	-2·60	-2·72	-2·78	-2·24	-1·48	-0·51	+0·36	+1·04	+1·69	+2·13	+2·59	+2·77	+2·73	+2·75	+2·61	+2·03	+1·18	+0·22	-0·48	-1·02	-1·51	-1·85
June.	288·15	-3·00	-3·51	-3·95	-4·15	-3·70	-2·99	-2·09	-1·09	-0·03	+0·99	+1·98	+2·73	+3·14	+3·54	+3·73	+3·79	+3·72	+3·28	+2·24	+0·94	-0·16	-1·05	-1·86	-2·41
July.	290·10	-2·64	-3·01	-3·17	-3·32	-3·03	-2·45	-1·54	-0·64	+0·32	+1·16	+1·62	+2·24	+2·58	+2·89	+3·14	+2·91	+2·89	+2·55	+1·82	+0·75	-0·22	-0·95	-1·63	-2·16
Aug.	291·94	-2·97	-3·30	-3·52	-3·70	-3·81	-3·41	-2·62	-1·45	-0·31	+0·76	+1·94	+2·82	+3·62	+4·02	+4·04	+4·14	+4·13	+3·38	+2·13	+0·49	-0·58	-1·26	-1·96	-2·56
Sept.	287·35	-1·78	-2·03	-2·39	-2·63	-2·68	-2·55	-1·93	-0·98	+0·15	+1·09	+1·97	+2·59	+2·88	+2·83	+2·72	+2·55	+2·18	+1·46	+0·48	+0·05	-0·40	-0·92	-1·23	-1·44
Oct.	282·65	-1·10	-1·16	-1·29	-1·34	-1·48	-1·68	-1·70	-1·06	-0·16	+0·80	+1·64	+2·13	+2·24	+2·31	+2·15	+1·81	+1·10	+0·43	-0·10	-0·42	-0·55	-0·64	-0·87	-1·01
Nov.	280·45	-0·66	-0·83	-0·90	-0·97	-0·97	-1·03	-1·08	-0·93	-0·56	+0·10	+0·73	+1·21	+1·38	+1·49	+1·42	+1·14	+0·81	+0·54	+0·35	+0·12	-0·09	-0·27	-0·46	-0·57
Dec.	279·07	-0·65	-0·85	-0·90	-0·91	-0·91	-0·83	-0·72	-0·72	-0·52	+0·01	+0·63	+1·17	+1·51	+1·63	+1·41	+0·95	+0·55	+0·32	+0·19	+0·03	-0·18	-0·24	-0·37	-0·50
Year.	283·28	-1·67	-1·91	-2·08	-2·22	-2·23	-2·06	-1·66	-1·03	-0·27	+0·55	+1·31	+1·95	+2·34	+2·55	+2·57	+2·38	+2·09	+1·60	+0·93	+0·28	-0·24	-0·67	-1·07	-1·39

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

470. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres. **1932.**

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

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	94·7	87·3	94·3	86·2	93·1	81·9	90·6	78·3	83·3	74·1	81·7	74·4
2	93·9	85·5	93·0	86·8	97·0	90·7	87·0	76·3	86·7	81·0	83·0	72·4
3	94·1	83·3	93·5	86·4	92·1	85·1	84·8	78·0	86·4	81·6	83·1	75·7
4	98·2	86·2	94·0	85·9	90·6	82·2	85·0	76·1	87·2	81·6	80·2	73·0
5	92·2	86·5	97·1	86·9	90·7	81·4	85·4	77·4	84·1	79·3	78·2	72·0
6	93·9	86·4	98·3	89·2	93·2	87·7	87·3	74·5	82·7	78·0	79·4	72·7
7	94·0	85·9	98·6	88·5	91·8	84·5	88·6	83·0	82·0	79·2	78·4	73·6
8	97·0	85·0	97·2	87·9	90·9	85·8	85·6	81·1	81·8	77·8	77·8	75·5
9	99·7	87·7	98·8	87·0	94·7	85·2	85·0	80·1	81·3	72·6	76·7	75·6
10	01·9	89·2	00·2	86·5	90·2	85·3	86·3	75·2	82·1	73·5	76·6	75·5
11	98·7	89·6	03·4	86·3	92·4	85·5	86·4	81·2	82·8	79·6	76·6	74·1
12	96·6	90·2	97·7	89·4	90·7	83·7	87·2	81·0	82·7	80·2	78·7	74·5
13	95·4	87·5	96·4	85·5	94·4	84·8	87·2	79·0	82·4	79·1	82·2	74·2
14	95·7	86·1	95·7	84·1	97·0	88·0	84·8	78·3	79·4	78·3	82·3	78·5
15	90·4	87·2	95·2	88·8	96·5	85·9	85·7	81·8	81·7	77·4	83·1	78·9
16	95·6	87·0	97·2	88·0	95·7	87·1	86·7	81·5	82·2	80·0	82·5	77·3
17	90·5	82·9	01·4	88·0	95·6	85·8	87·8	83·2	81·0	75·6	84·8	79·4
18	88·0	81·9	04·3	89·3	91·5	84·7	87·0	80·2	77·2	75·6	85·5	83·0
19	94·2	81·0	06·1	91·3	87·0	83·4	84·9	77·0	79·1	76·8	85·7	81·9
20	96·9	85·4	03·2	91·9	86·6	81·0	87·9	82·7	80·5	78·4	85·0	79·3
21	92·0	84·9	96·5	91·0	87·6	80·0	89·7	85·1	81·3	75·4	84·0	80·2
22	92·3	84·0	91·9	86·8	86·8	80·2	88·8	79·5	84·2	74·6	83·1	80·5
23	91·1	82·4	92·8	85·6	85·1	82·0	86·1	79·6	84·0	77·9	84·2	81·7
24	92·0	85·3	92·3	86·4	88·7	80·4	83·7	79·9	83·2	77·3	82·4	77·3
25	91·0	86·1	94·3	86·9	89·3	84·1	85·8	76·5	85·8	81·3	78·8	76·6
26	92·9	84·5	97·3	86·9	88·2	80·0	87·2	81·0	86·2	80·5	77·0	74·9
27	91·5	86·2	95·9	85·3	86·7	78·6	84·0	78·4	81·1	77·2	80·2	75·0
28	91·7	85·5	96·1	87·3	87·9	79·2	79·7	75·7	79·5	74·3	80·4	76·9
29	94·3	89·2	97·2	87·9	90·1	82·6	82·0	73·4	81·6	73·0	80·3	79·1
30	96·5	87·3	95·1	87·0	90·1	81·8	83·0	79·5	82·3	80·6	82·0	76·6
31	95·5	86·2	92·3	84·3	---	---	83·4	76·3	---	---	83·0	73·0
Mean.	94·3	85·9	97·0	87·4	91·1	83·6	86·0	79·1	82·5	77·7	81·2	76·6
									Year	...	86·7	79·7

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

† See page

Percentages at exact hours, Greenwich Mean Time.

471. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres.

January, 1932.

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

472. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

February, 1932.

Hour G. M. T.	1.	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.
1	98	98	98	97	97	98	99	99	100	100	100	99	98	96	98	97	98	97	97	97	97	98	96	98	97·9	6·6
2	98	97	98	96	97	93	90	88	88	84	84	82	78	69	66	63	69	72	76	76	73	71	74	83	82·2	8·1
3	81	81	82	82	88	91	98	93	94	93	84	70	65	60	59	59	61	78	85	93	94	94	96	98	82·2	6·8
4	98	98	99	100	100	100	100	100	100	100	100	100	98	95	86	97	100	100	100	100	100	100	100	100	98·7	6·5
5	100	98	98	98	98	96	94	90	90	87	88	81	77	74	71	77	86	90	94	93	87	86	84	85	88·7	8·1
6	84	75	72	77	78	77	83	85	74	71	68	71	65	62	61	69	78	76	84	83	87	89	96	96	77·3	6·8
7	98	98	100	100	100	100	100	100	100	100	100	100	99	98	83	70	79	82	84	86	88	91	91	92	93·4	5·5
8	92	93	83	83	85	88	88	86	86	86	84	80	75	77	86	83	79	82	80	84	84	80	80	78	83·7	6·0
9	77	80	82	85	85	83	83	78	75	69	71	68	70	71	68	72	70	76	73	67	65	70	71	71	74·3	5·8
10	79	77	70	61	57	57	59	60	69	76	85	77	67	65	62	68	70	83	81	78	73	67	67	59	69·7	3·8
11	60	63	63	61	62	65	70	78	77	77	74	71	75	76	69	65	63	63	63	64	66	69	70	72	67·9	4·0
12	75	80	86	88	86	84	80	81	78	78	83	69	55	60	58	60	58	58	61	75	79	80	77	77	73·9	4·6
13	72	70	70	71	74	77	81	82	81	77	72	78	78	80	81	85	88	90	93	93	91	90	90	89	81·1	5·7
14	89	88	89	91	91	89	91	86	83	80	69	59	54	52	62	63	77	82	80	81	84	89	89	84	79·4	6·6
15	87	85	90	88	88	90	93	87	84	78	67	69	66	60	60	64	60	65	70	74	76	79	84	82	77·0	6·9
16	85	83	87	87	90	87	87	90	92	85	78	65	68	69	65	65	71	70	72	78	79	85	90	88	79·7	6·9
17	96	91	90	86	93	89	91	88	89	93	85	82	75	65	67	64	74	74	69	69	78	82	82	78	81·5	6·7
18	81	79	80	85	85	91	90	94	94	88	80	74	62	53	45	52	49	47	73	81	84	84	89	94	76·1	5·9
19	90	94	94	93	91	88	80	78	79	71	74	73	69	66	63	68	70	74	74	79	78	84	87	90	79·5	5·9
20	92	87	84	87	85	90	87	84	80	62	61	58	58	60	55	55	55	62	66	70	73	79	79	82	73·1	6·1
21	84	82	82	85	84	90	87	87	83	69	56	55	54	54	59	65	66	67	70	70	70	75	80	80	73·1	5·6
22	85	85	85	93	92	92	86	86	84	77	73	68	72	74	76	75	76	78	78	80	73	80	81	81	80·4	7·7
23	79	78	79	78	78	78	78	76	73	73	70	67	67	62	61	67	66	69	72	76	76	80	75	78	73·2	7·4
24	83	84	86	90	90	80	77	87	92	89	88	81	72	69	64	68	77	81	75	78	72	74	76	81	79·7	7·6
25	82	82	71	78	73	71	74	76	67	65	63	65	66	70	71	73	77	79	80	82	81	74	76	83	74·1	6·4
26	90	90	90	90	90	93	91	90	84	78	74	70	71	67	63	64	65	59	60	62	67	67	70	72	75·9	6·6
27	74	72	81	76	80	80	76	72	79	76	70	53	49	49	46	53	55	52	54	57	56	62	63	73	64·9	5·6
28	70	67	61	59	58	59	60	61	63	62	60	57	50	45	43	44	51	60	63	64	65	66	67	68	59·4	4·0
29	68	67	66	65	66	67	67	66	67	69	70	70	69	68	67	67	66	68	70	71	71	69	70	71	68·1	4·6
Mean	84·4	83·5	83·3	83·8	84·2	84·2	84·1	83·7	82·9	79·8	76·9	72·8	69·7	67·8	66·0	68·0	70·8	73·6	75·8	78·0	78·2	79·8	81·0	82·2	78·1	
Vapour * Pressure	mb. 6·3	mb. 6·2	mb. 6·1	mb. 6·1	mb. 6·0	mb. 5·9	mb. 5·9	mb. 6·0	mb. 6·0	mb. 6·0	mb. 6·1	mb. 6·0	mb. 6·0	mb. 5·9	mb. 5·8	mb. 5·9	mb. 6·1	mb. 6·2	mb. 6·2	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·1	6·2

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

Percentages at exact hours, Greenwich Mean Time.

473. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres.

March, 1932.

Hour G. M. T.	1.	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	74	73	73	72	71	72	72	70	64	50	49	45	48	48	55	54	52	59	60	63	67	72	74	62·8	4·7
2	74	76	78	79	82	84	88	89	87	85	79	64	46	45	42	46	53	58	73	80	84	85	90	92	72·9	5·3
3	94	95	95	94	93	95	95	95	89	86	77	57	56	54	52	52	57	66	70	70	73	74	77	80	77·2	5·8
4	81	81	80	73	75	72	71	75	70	69	68	64	64	55	54	50	48	57	53	55	57	62	61	67	65·2	5·2
5	54	60	68	75	79	81	83	83	82	75	65	56	55	51	52	51	53	58	67	63	66	75	83	87	67·2	5·4
6	90	86	90	88	85	84	85	82	72	63	57	50	38	41	43	43	49	57	66	69	73	76	80	87	68·9	6·1
7	83	82	85	84	85	92	92	89	70	57	49	43	45	44	48	54	80	81	93	87	84	82	81	79	73·5	6·6
8	77	77	78	78	79	77	78	91	90	89	86	83	81	76	81	84	82	84	87	90	90	92	90	93	83·6	7·8
9	94	96	94	89	94	93	91	83	82	91	65	64	62	53	53	52	55	59	70	74	87	85	92	92	78·0	6·0
10	93	93	93	94	94	94	95	94	92	90	80	65	61	55	55	60	83	83	84	93	96	96	93	95	84·6	5·6
11	96	96	98	98	99	99	94	90	81	73	60	51	48	51	38	45	47	67	75	68	70	67	67	71	73·4	5·2
12	68	72	78	77	72	74	73	68	53	52	50	47	45	44	45	45	45	50	53	58	73	73	79	83	61·3	3·7
13	92	95	93	92	92	93	93	92	88	74	52	48	48	48	48	51	55	72	75	80	89	85	89	92	76·3	4·8
14	94	96	97	98	99	98	97	97	94	92	80	51	46	46	45	49	50	56	59	58	61	68	75	73	74·5	5·5
15	82	88	85	88	87	93	93	93	87	85	79	70	70	70	69	67	66	70	73	77	77	79	82	90	79·6	6·7
16	92	94	92	96	96	92	93	91	89	85	78	64	50	43	39	41	50	58	68	75	79	79	78	83	75·3	6·1
17	83	84	84	80	78	80	82	82	66	74	67	65	61	59	56	59	57	56	64	68	70	64	59	71	69·8	5·7
18	72	77	82	92	92	87	89	85	79	75	74	68	70	62	62	57	61	63	70	74	84	89	96	98	76·9	6·2
19	98	98	98	98	98	99	99	99	94	66	53	56	46	40	38	49	53	60	59	64	66	68	75	75	73·3	6·1
20	74	75	77	81	82	88	88	84	72	65	51	53	52	50	47	44	50	57	66	68	72	73	76	78	67·6	7·0
21	78	77	80	82	83	87	85	82	74	69	65	63	56	59	64	72	76	80	83	87	89	92	93	96	77·6	8·2
22	96	98	36	96	98	99	99	96	92	94	98	96	93	95	98	94	96	96	98	96	96	98	98	96	96·3	9·8
23	100	98	96	96	92	93	100	95	90	85	70	66	70	71	73	73	70	77	79	87	88	97	97	96	85·8	7·8
24	98	98	97	95	95	97	97	97	89	72	56	59	49	56	61	57	58	61	64	64	62	73	75	60	75·3	7·1
25	73	74	77	78	79	81	75	57	46	39	34	36	32	26	26	33	35	37	41	44	47	50	51	48	51·0	4·7
26	45	47	49	55	58	60	59	55	57	53	57	56	55	54	59	81	87	90	93	90	90	94	96	98	67·2	6·8
27	96	99	96	96	94	93	93	93	94	84	83	82	79	80	92	93	94	99	96	96	96	95	85	87	91·7	9·9
28	90	88	87	90	94	91	90	86	82	75	72	66	63	68	66	65	64	69	77	83	86	85	86	88	79·6	9·1
29	88	88	88	86	87	87	85	78	70	62	64	73	86	88	91	90	80	82	84	87	83	83	82	80	82·3	9·5
30	87	87	84	86	88	89	88	88	82	73	65	60	63	71	63	68	64	70	76	82	86	88	86	88	78·3	9·6
31	89	90	86	91	93	90	89	86	80	74	75	70	65	67	67	74	78	80	83	83	86	86	83	85	81·3	9·4
Mean	84·0	85·1	85·6	86·4	86·9	87·5	87·5	85·4	79·5	73·9	66·4	61·1	58·1	57·1	57·3	59·8	62·9	67·9	72·5	75·2	78·2	80·0	81·5	83·3	75·1	
Vapour * Pressure	mb. 6·4	mb. 6·4	mb. 6·3	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·3	mb. 6·4	mb. 6·5	mb. 6·6	mb. 6·4	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·3	mb. 6·5	mb. 6·6	mb. 6·8	mb. 6·8	mb. 6·7	mb. 6·7	mb. 6·7	mb. 6·6	mb. 6·5	mb. 6·4	6·7

474. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

April, 1932.

Hour G. M. T.	1.	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.
1	82	81	89	80	82	83	83	82	78	71	67	64	62	63	64	67	70	78	85	85	83	83	84	89	77·2	7·1
2	89	93	94	87	84	81	83	70	62	57	56	54	43	50	55	76	90	85	91	91	94	92	96	94	77·7	7·9
3	96	96	96	96	98	98	99	99	94	94	93	96	94	96	84	91	82	88	93	96	96	100	99	100	94·6	9·3
4	100	99	99	100	98	99	100	98	86	94	76	64	60	61	60	59	62	57	70	75	84	87	86	82	81·9	8·7
5	83	84	85	82	81	81	75	71	66	66	57	49	49	50	45	44	44	50	55	67	65	70	75	78	65·6	6·7
6	76	78	75	77	78	83	77	78	76	69	64	63	57	62	67	67	67	67	68	71	78	78	83	87	72·5	8·5
7	91	81	84	82	69	70	78	62	58	49	44	40	43	58	56	62	59	59	76	80	70	79	70	68	66·5	7·0
8	71	70	68	67	70	70	71	72	62	58	47	46	79	66	45	49	60	47	60	62	58	66	70	82	62·9	6·3
9	85	86	87	91	88	90	87	90	86	87	88	86	80	76	82	84	86	83	83	82	84	81	82	76	84·7	9·3
10	84	83	83	84	89	84	91	86	86	74	83	82	76	79	74	74	77	79	86	83	78	78	89	90	81·9	9·0
11	92	92	89	88	92	93	89	83	79	79	71	67	72	62	72	85	77	74	62	64	66	70	77	80	78·3	6·9
12	77	80	80	77	78	75	70	66	60	53	51	48	47	39	34	34	39	57	62	70	78	84	75	74	63·0	5·5
13	80	84	89	94	89	94	90	73	70	52	48	45	43	44	45	53	56	61	71	80	80	85	86	93	70·7	6·6
14	93	96	91	94	90	87	86	87	91	94	87	86	79	86	72	74	74	75	78	84	90	94	92	94	86·4	8·5
15	97	98	95	94	90	92	89	90	90	84	84	69	64	46	40	39	44	50	54	57	66	71	73	77	73·4	7·3
16	81	85	84	84	84	86	84	83	80	80	83	86	84	84	87	87	83	83	87	88	91	94	94	93	85·3	7·7
17	94	96	96	96	94	96	96	90	93	94	90	87	87	85	84	86	82	83	82	77	68	74	74	73	87·0	7·9
18	78	78	80	75	79	79	71	65	61	66	60	65	60	60	57	59	58	60	60	59	66	67	68	74	66·8	6·2
19	76	81	79	77	77	77	74	66	59	60	61	58	60	60	55	51	52	52	63	70	70	73	73	76	66·6	6·6
20	75	75	78	78	79	83	85	78	72	72	67	72	91	92	82	75	79	76	79	77	77	87	91	94	79·4	8·5
21	96	92	92	93	93	90	82	75	70	60	76	64	68	68	66	66	66	83	87	90	90	88	87	90	80·6	8·4
22	93	92	96	98	96	96	89	86	82	74	61	56	48	49	47	44	49	47	58	66	81	81	78	82	73·0	7·6
23	85	86	85	87	84	86	85	84	87	87	64	52	47	45	42	36	43	38	43	50	60	65	70	75	66·2	7·5
24	69	71	74	75	78	77	73	65	61	58	57	56	54	56	54	55	57	55	62	65	68	71	74	70	64·9	7·4
25	76	74	81	77	85	80	75	74	65	60	47	45	44	45	43	43	51	73	79	78	82	85	82	87	67·6	7·3
26	87	86	89	90	96	92	88	82	74	60	54	51	53	55	60	59	58	73	76	80	82	87	91	95	75·6	8·9
27	96	95	95	94	94	94	90	92	87	80	69	78	83	79	66	58	62	64	70	72	73	75	73	86	80·4	9·9
28	88	91	93	93	92	92	96	98	92	90	91	94	72	73	71	68	74	69	72	74	86	87	91	96	84·9	11·0
29	96	92	93	96	93	91	85	87	87	78	75	66	63	57	73	81	71	87	88	92	89	94	88	94	84·0	10·7
30	89	89	87	87	86	82	79	71	60	55	57	45	39	44	45	43	59	60	56	67	86	87	87	88	68·8	10·2
Mean	85·8	86·1	86·9	86·4	86·2	86·0	84·0	80·1	75·8	71·8	67·6	64·5	63·4	63·0	60·9	62·3	64·4	67·1	71·9	75·1	78·0	81·1	81·9	84·6	75·6	
Vapour * Pressure	mb. 7·9	mb. 7·8	mb. 7·9	mb. 7·7	mb. 7·7	mb. 7·8	mb. 8·0	mb. 8·1	mb. 8·1	mb. 8·0	mb. 7·9	mb. 7·8	mb. 7·8	mb. 7·8	mb. 7·7	mb. 7·8	mb. 7·9	mb. 7·9	mb. 8·0	mb. 8·0	mb. 8·0	mb. 8·1	mb. 7·9	mb. 8·0	mb. 7·9	8·0
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	

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

Percentages at exact hours, Greenwich Mean Time.

475. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres.

May, 1932.

Hour G. M. T.	1.	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	89	94	93	94	92	87	86	80	75	67	63	63	65	66	56	60	63	74	96	95	98	98	98	80·6	12·1
2	97	97	98	99	96	97	96	89	86	85	82	73	76	77	79	83	87	89	90	92	96	95	94	89	89·5	11·6
3	89	95	95	95	96	94	98	91	87	88	89	94	89	89	88	87	88	87	87	88	86	86	81	81	89·7	10·4
4	78	77	77	75	77	76	74	73	74	70	76	74	71	67	66	68	65	72	66	67	69	68	75	76	72·3	7·2
5	80	83	83	85	85	81	74	74	70	66	62	60	49	69	54	61	60	67	69	75	80	75	80	78	71·6	6·7
6	81	87	85	96	96	89	83	80	76	75	70	67	60	62	55	58	55	73	73	72	76	75	87	85	75·5	6·9
7	86	89	88	90	92	85	87	82	77	60	50	55	45	51	43	44	42	64	78	91	93	91	97	97	73·8	7·3
8	95	97	93	97	95	90	83	79	72	64	56	55	49	49	48	53	63	60	63	68	70	79	89	95	73·5	7·7
9	93	93	88	83	89	96	94	93	97	97	85	87	87	89	90	87	79	80	83	79	88	91	89	92	88·7	8·2
10	93	92	93	93	93	90	84	77	66	57	59	49	47	47	46	44	47	52	52	54	64	67	76	74	67·7	7·5
11	75	83	86	89	94	94	98	94	93	89	86	74	65	63	63	75	71	77	86	87	90	93	93	95	83·4	10·9
12	95	95	93	94	94	85	80	78	74	72	72	71	71	69	68	66	64	65	71	75	77	79	80	83	78·2	12·2
13	85	85	87	86	91	93	90	84	72	69	68	67	76	77	82	83	86	88	88	87	91	91	89	89	83·4	12·8
14	87	88	91	89	89	90	90	84	82	72	62	64	59	56	54	51	55	52	67	75	79	82	83	81	74·4	12·1
15	85	91	94	92	93	91	91	89	94	95	89	78	75	76	77	79	80	84	94	93	98	98	98	98	88·5	15·3
16	98	98	99	99	98	97	96	92	90	90	89	85	78	82	83	81	74	72	85	96	97	93	94	96	90·1	15·3
17	94	93	97	98	96	94	89	86	81	69	66	58	51	48	46	46	42	46	49	59	67	76	87	91	72·2	12·0
18	96	96	94	98	95	76	60	63	60	60	57	51	54	49	54	56	65	74	77	77	81	87	88	84	73·1	12·2
19	90	90	92	92	91	91	89	80	74	67	61	60	54	54	54	54	51	52	54	63	75	77	76	77	71·7	14·3
20	84	87	91	93	90	91	81	78	75	74	75	74	68	62	60	57	62	70	78	81	83	86	94	94	78·3	15·6
21	93	91	91	93	87	89	91	87	79	74	68	74	75	79	87	90	95	98	94	98	99	100	100	97	88·7	16·0
22	95	98	98	97	96	94	91	87	80	67	61	58	59	63	58	55	67	82	90	78	76	81	84	88	79·5	12·6
23	91	93	93	93	90	86	80	79	79	73	69	60	54	73	68	67	70	75	78	85	89	88	89	90	79·6	11·7
24	95	95	92	84	87	83	78	67	63	59	55	54	61	57	54	60	54	51	61	67	74	77	83	84	70·7	8·4
25	86	86	86	87	86	81	75	76	67	62	54	58	59	56	65	57	61	57	67	70	72	76	88	93	71·7	7·8
26	97	100	97	97	97	97	86	86	69	63	62	57	56	47	55	52	51	53	55	64	72	77	88	83	73·6	8·6
27	86	89	89	89	89	89	87	89	89	87	88	92	91	84	82	89	87	87	94	94	96	96	96	98	89·6	10·5
28	96	98	98	98	96	98	96	91	85	83	82	88	80	78	88	93	92	93	92	92	92	94	93	92	91·3	12·0
29	94	95	95	95	95	93	89	85	82	76	89	80	76	71	66	62	65	68	76	81	85	88	89	88	82·7	11·8
30	90	94	94	96	96	97	95	89	86	83	74	67	69	70	74	70	61	64	59	81	90	94	94	95	82·5	12·2
31	96	94	94	96	99	99	96	88	71	63	59	57	55	52	52	54	63	67	63	68	75	83	84	84	75·7	11·6
Mean	89·9	91·5	91·8	92·3	92·3	90·3	86·7	83·1	78·4	73·7	70·4	67·9	65·2	65·5	65·3	65·7	66·5	70·4	74·6	79·1	83·1	85·2	88·3	83·5	79·4	
Vapour * Pressure	mb. 10·5	mb. 10·5	mb. 10·4	mb. 10·4	mb. 10·3	mb. 10·5	mb. 10·6	mb. 10·9	mb. 10·8	mb. 10·7	mb. 10·6	mb. 10·5	mb. 10·4	mb. 10·6	mb. 10·5	mb. 10·6	mb. 10·7	mb. 10·9	mb. 10·9	mb. 10·8	mb. 10·9	mb. 10·8	mb. 10·8	mb. 10·6	mb. 10·6	11·0

476. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

June, 1932.

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

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

RELATIVE HUMIDITY.

Percentages at exact hours, Greenwich Mean Time.

477. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres.

July, 1932.

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

478. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

August, 1932.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	91	93	93	91	87	81	76	76	66	76	75	67	85	88	84	74	77	75	83	90	90	92	90	82·9	15·6
2	90	87	85	86	90	90	87	84	81	79	74	69	68	66	61	63	68	72	85	71	75	79	85	84	78·4	14·3
3	85	88	89	89	85	93	88	92	90	84	77	69	58	55	53	51	52	53	57	71	80	75	74	82	74·6	13·9
4	84	87	87	90	89	88	84	79	78	74	76	69	64	64	69	65	66	66	68	77	86	86	89	94	78·0	15·1
5	94	95	94	95	94	94	90	85	81	75	67	58	57	50	55	62	64	63	69	77	82	86	90	91	77·9	17·1
6	92	94	92	93	95	94	90	79	85	78	71	70	64	59	57	56	58	66	72	76	80	75	79	82	77·6	18·5
7	84	85	86	88	92	88	79	72	68	63	60	59	56	54	51	50	50	48	60	78	80	88	89	95	71·5	16·3
8	96	94	94	94	94	92	88	83	78	72	68	67	69	67	60	60	59	59	67	70	87	85	91	92	78·6	17·5
9	92	92	93	95	94	92	88	81	76	72	69	65	60	61	53	50	47	52	60	74	87	91	87	92	76·0	16·8
10	95	93	93	93	96	94	92	87	75	58	61	59	53	50	49	52	53	52	57	70	78	79	80	89	73·3	17·5
11	93	93	96	96	97	97	91	72	66	61	57	43	38	41	40	42	45	48	56	74	75	79	88	90	69·9	18·9
12	91	92	91	94	95	91	94	94	90	70	68	62	73	64	61	63	66	66	67	72	76	82	85	88	79·0	19·3
13	90	93	92	94	93	87	83	79	75	67	63	55	55	54	48	53	54	54	66	74	80	84	90	95	74·0	15·2
14	95	95	94	98	95	94	90	82	68	64	61	67	70	68	72	74	72	69	82	82	85	84	82	81	80·5	16·3
15	83	86	87	85	88	88	87	88	87	87	84	77	69	73	72	74	78	81	83	86	86	86	87	89	82·8	17·6
16	90	92	93	91	89	90	89	89	88	86	80	74	70	71	68	66	65	67	72	84	90	91	94	97	82·6	18·1
17	97	98	97	99	98	98	96	94	88	77	74	66	59	57	56	57	59	64	72	82	84	89	90	91	81·0	20·6
18	93	97	92	95	95	95	92	86	78	71	59	54	50	43	48	46	53	51	56	66	69	66	72	75	71·3	20·8
19	78	83	90	91	91	88	81	74	65	62	51	50	46	47	44	42	41	45	60	72	74	82	85	84	67·5	22·2
20	83	90	87	79	85	76	72	72	68	64	61	61	58	57	58	58	66	73	77	81	78	82	86	92	73·3	21·7
21	90	94	91	90	90	92	90	87	85	77	75	59	68	67	65	64	66	74	79	85	86	88	88	90	80·9	19·4
22	92	91	90	96	94	94	92	90	87	88	80	78	72	68	65	64	69	70	74	75	74	72	81	84	81·0	15·0
23	79	80	81	80	80	77	74	70	65	60	60	56	54	51	51	53	55	58	57	68	70	68	73	70	66·5	12·2
24	67	71	72	72	72	68	65	63	59	56	54	50	47	47	51	51	51	56	57	66	66	65	69	72	61·1	11·1
25	74	75	76	77	77	77	77	76	73	68	66	59	57	53	52	51	53	58	63	69	75	81	84	87	68·8	13·4
26	88	89	89	91	90	88	89	86	80	75	65	59	50	50	50	62	67	64	72	81	89	88	90	94	76·8	16·0
27	96	94	94	91	93	95	92	89	90	87	80	77	70	64	55	56	58	65	75	83	88	89	90	90	81·8	16·1
28	88	89	89	86	85	86	81	77	75	73	66	65	59	61	69	68	68	77	67	78	84	85	88	88	77·2	16·6
29	92	96	92	94	92	91	90	85	81	77	58	59	63	61	56	56	58	69	76	81	86	95	95	94	78·9	17·7
30	94	95	93	92	94	94	92	91	86	87	73	67	65	62	61	59	63	66	73	73	78	80	86	90	79·8	16·7
31	88	90	94	91	94	93	91	86	75	69	71	71	60	50	45	46	46	53	63	82	82	87	91	89	75·3	13·4
Mean	88·5	90·0	89·9	90·3	90·5	89·4	86·3	82·2	78·0	72·5	67·9	63·5	60·3	58·7	57·5	58·0	59·5	62·5	68·3	76·2	80·6	82·5	85·5	87·8	76·1	
Vapour Pressure	mb. 16·1	mb. 16·0	mb. 15·8	mb. 15·7	mb. 15·6	mb. 15·8	mb. 16·0	mb. 16·4	mb. 16·8	mb. 16·7	mb. 16·8	mb. 16·5	mb. 16·5	mb. 16·4	mb. 16·1	mb. 16·4	mb. 16·8	mb. 16·8	mb. 17·0	mb. 17·2	mb. 17·0	mb. 16·6	mb. 16·5	mb. 16·3	mb. 16·4	16·8
Hour G. M. T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	

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

Percentages at exact hours, Greenwich Mean Time.

479. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres.

September, 1932.

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

480. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

October, 1932.

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

Percentages at exact hours, Greenwich Mean Time.

481. Richmond (Kew Observatory): North Wall Screen: h_t (height of thermometer bulbs above the ground) = 3·0 metres.

November, 1932.

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

482. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres.

December, 1932.

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

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

For exact hours, Greenwich Mean Time.

483. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres. 1932.

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	24	Mean.
Relative Humidity.	% 87·8	% 88·7	% 89·2	% 89·4	% 89·2	% 88·4	% 86·7	% 84·4	% 81·3	% 77·3	% 73·5	% 70·5	% 68·8	% 67·9	% 67·6	% 69·0	% 70·9	% 73·7	% 76·9	% 79·7	% 82·2	% 84·0	% 85·6	% 86·8	% 80·0
Vapour Pressure in Millibars.*	mb. 9·8	mb. 9·7	mb. 9·7	mb. 9·6	mb. 9·6	mb. 9·6	mb. 9·7	mb. 9·8	mb. 10·0	mb. 10·0	mb. 10·0	mb. 10·0	mb. 10·1	mb. 10·1	mb. 10·0	mb. 10·1	mb. 10·2	mb. 10·3	mb. 10·2	mb. 10·2	mb. 10·1	mb. 10·1	mb. 10·0	mb. 9·9	mb. 10·0

* 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. Richmond (Kew Observatory): North Wall Screen: h_t = 3·0 metres. 1932.

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.	88·0	+2·4	+3·8	+3·5	+3·7	+3·2	+2·9	+3·1	+2·5	+2·3	+1·0	-1·6	-2·7	-4·3	-5·4	-5·9	-4·8	-3·0	-2·7	-1·5	-1·5	-0·2	+1·6	+2·3	+1·4
Feb.	78·1	+5·9	+5·1	+4·9	+5·4	+5·8	+5·9	+5·8	+5·5	+4·7	+1·6	-1·2	-5·3	-8·4	-10·3	-12·0	-10·0	-7·1	-4·3	-2·1	+0·1	+0·4	+2·0	+3·3	+4·5
Mar.	75·1	+9·1	+10·2	+10·7	+11·4	+11·9	+12·5	+12·4	+10·3	+4·4	-1·2	-8·7	-14·0	-17·1	-18·1	-17·9	-15·4	-12·3	-7·3	-2·7	-0·1	+2·9	+4·7	+6·2	+8·0
Apr.	75·6	+10·3	+10·6	+11·3	+10·9	+10·6	+10·5	+8·4	+4·5	+0·2	-3·8	-8·0	-11·1	-12·2	-12·6	-14·7	-13·3	-11·3	-8·5	-3·8	-0·6	+2·3	+5·5	+6·3	+8·9
May.	79·4	+10·4	+12·1	+12·3	+12·9	+12·9	+10·8	+7·3	+3·7	-1·0	-5·7	-9·0	-11·5	-14·2	-13·9	-14·1	-13·6	-12·9	-9·0	-4·7	-0·2	+3·7	+5·8	+8·9	+9·2
June.	70·2	+13·3	+15·5	+16·9	+18·0	+16·4	+12·3	+7·5	+3·4	-1·0	-5·6	-10·0	-13·4	-14·5	-15·5	-15·7	-15·1	-14·6	-12·1	-8·3	-3·7	+1·6	+5·6	+8·0	+11·0
July.	76·9	+11·2	+12·0	+12·8	+13·3	+12·7	+10·6	+6·6	+1·9	-2·2	-6·1	-8·5	-10·2	-11·2	-12·5	-12·8	-12·2	-11·9	-10·4	-6·7	-1·5	+2·5	+4·9	+8·1	+9·6
Aug.	76·1	+12·4	+13·9	+13·8	+14·2	+14·5	+13·3	+10·2	+6·1	+1·9	-3·6	-8·2	-12·6	-15·8	-17·4	-18·6	-18·1	-16·6	-13·6	-7·8	+0·1	+4·5	+6·4	+9·4	+11·7
Sept.	82·9	+6·9	+8·0	+9·0	+9·5	+9·9	+9·9	+7·7	+4·5	-0·3	-5·6	-9·4	-11·3	-13·4	-13·4	-11·9	-10·4	-8·2	-4·0	+0·1	+1·6	+3·3	+5·3	+5·8	+6·4
Oct.	84·4	+6·1	+6·3	+7·1	+6·6	+5·9	+5·8	+6·0	+4·3	+2·1	-2·7	-7·6	-10·8	-10·8	-11·4	-11·5	-9·7	-5·3	-1·5	+0·8	+2·1	+3·3	+4·1	+5·0	+5·6
Nov.	85·6	+2·8	+3·9	+4·2	+3·9	+3·6	+3·2	+3·9	+3·8	+3·1	+0·1	-3·1	-5·3	-5·9	-6·4	-6·3	-5·2	-3·4	-1·8	-0·2	-0·1	+1·0	+0·7	+1·4	+2·3
Dec.	87·1	+3·2	+2·8	+3·4	+3·4	+3·4	+2·9	+2·1	+2·5	+2·1	+0·1	-2·5	-4·9	-6·5	-7·9	-7·2	-4·2	-1·9	-0·1	+0·3	+0·5	+1·4	+1·7	+2·2	+3·1
Year.	80·0	+7·8	+8·7	+9·2	+9·4	+9·2	+8·4	+6·7	+4·4	+1·4	-2·6	-6·5	-9·4	-11·2	-12·1	-12·4	-11·0	-9·0	-6·3	-3·1	-0·3	+2·2	+4·0	+5·6	+6·8

† See page 21

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. Richmond (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. 1932.

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. 16·1	mm. 22·0	mm. 20·0	mm. 22·7	mm. 16·9	mm. 17·6	mm. 17·0	mm. 19·3	mm. 17·2	mm. 13·6	mm. 29·5	mm. 25·8	mm. 26·2	mm. 27·3	mm. 30·1	mm. 30·1	mm. 24·8	mm. 25·1	mm. 41·3	mm. 21·6	mm. 23·7	mm. 25·8	mm. 22·5	mm. 22·7	mm. 558·9
Duration.	hr. 20·7	hr. 18·5	hr. 17·8	hr. 19·3	hr. 17·4	hr. 14·7	hr. 16·0	hr. 14·8	hr. 14·5	hr. 13·3	hr. 19·5	hr. 18·3	hr. 18·1	hr. 18·1	hr. 21·6	hr. 20·2	hr. 22·6	hr. 17·9	hr. 16·3	hr. 16·0	hr. 16·8	hr. 19·9	hr. 21·6	hr. 21·7	hr. 435·6

NOTES ON RAINFALL.

486. Richmond (Kew Observatory). 1932.

Dry Periods.

The following definitions are adopted by "The British Rainfall Organization."
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.

In 1932 "absolute droughts" occurred from Jan.23rd. - Feb. 9th and from June 12th. - June 29th.
"Partial droughts" Jan. 14th. - March 7th. and May 31st. - June 29th.
"Dry Spells", Jan. 18th. - Feb. 23rd., June 6th. - 29th. and December 3rd. - 21st.

Wet Periods.

The following definitions are adopted by "The British Rainfall Organization."
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 1932.

Rainfall Duration.

Hours	0·1-1·0	1·1-2·0	2·1-6·0	6·1-12	12
Number of Days.	55	35	58	14	2

Continuous Falls.

The fall of the longest duration was 16mm. in 11h. 24m. on October 20th.

Heavy Falls in Short Periods.

The only noteworthy fall of the year occurred on September 18th, when 5mm. fell in 6 minutes.

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

487. Richmond (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	·3	·1	·1	...	...	...	...	...	...	...	·3	·7	(...)	(·1)	·1	·1	1·8	3·3
2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·3	0·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	0·2	0·5
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·1	1·7	1·9
6	·4	...	·1	...	·1	...	...	...	...	...	...	1·0	·6	·2	·7	2·4	1·6	...	5·3	·1	·4	2·0	...	...	14·9	8·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	·3	0·8	2·9
10	·3	·3	·5	·7	·4	·2	·4	...	·1	...	·4	·7	1·7	1·1	·6	·6	·1	1·2	·7	·3	·3	·2	...	·1	10·9	17·0
11	2·0	...	...	...	...	...	·1	...	...	·2	·7	...	...	...	...	...	·2	·2	...	...	...	...	...	...	3·4	2·3
12	...	(⌓)	(⌓)	(⌓)	(·1)	(⌓)	(⌓)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
13	...	...	·2	...	...	·1	·3	·1	·2	·3	1·0	...	...	...	...	...	·2	...	...	...	...	...	...	...	2·4	3·6
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	·1	·3	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	·2	·1	·3	1·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·8
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	(⊔)	(⊔)	(·1)	(⊔)	(⊔)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
22	...	...	...	...	...	...	...	·2	·6	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·0	0·5	1·5	3·2	0·6	0·3	0·8	0·3	1·2	0·6	2·2	1·8	2·3	1·3	1·3	3·0	2·1	1·6	6·3	1·1	0·8	2·4	1·2	1·6	41·0	44·3
Total Duration	hr. 2·6	hr. 1·8	hr. 2·2	hr. 2·4	hr. 0·9	hr. 0·7	hr. 1·6	hr. 0·5	hr. 2·4	hr. 1·5	hr. 2·4	hr. 2·1	hr. 2·0	hr. 1·6	hr. 2·0	hr. 1·9	hr. 1·9	hr. 1·9	hr. 2·1	hr. 1·4	hr. 1·4	hr. 2·0	hr. 2·7	hr. 2·3	hr. 44·3	

488. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. February, 1932.

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

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

489. Richmond (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	0·2	0·2
6	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	0·5	1·3
8	...	...	...	...	...	...	...	1·5	·6	·4	·8	·4	·2	·1	...	...	·6	·4	...	·1	...	...	...	...	5·1	7·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⌴)	(⌴)	(⌴)	...	...
11	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	·7	1·4	1·7	1·0	...	·8	·5	·3	...	...	...	(...)	(...)	(·1)	(...)	6·5	6·2
23	(...)	(...)	(⌴)	(⌴)	(·1)	(⌴)	(⌴)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·5	·8	·6	...	...	·5	·2	...	2·8	4·3
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·5	·5	1·9	1·4	·1	...	4·9	3·5
28	·3	...	...	...	·1	·3	·3	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	1·3	1·6
29	...	...	...	...	...	...	...	...	...	...	...	...	1·5	·8	·2	·2	...	...	...	...	...	...	...	...	2·7	2·8
30	·3	·2	·3	·7	1·2	·8	·7	...	...	...	...	...	·3	·5	...	...	...	...	...	...	...	...	...	...	5·0	5·6
31	...	...	...	·1	·1	...	...	...	...	...	·4	·6	...	...	...	1·5	·5	...	...	...	...	·1	...	...	3·3	1·6
Sum.	0·6	0·2	0·5	0·8	1·6	1·1	1·0	1·5	0·6	1·1	2·6	2·7	3·0	1·7	1·0	2·4	2·6	1·5	1·1	0·6	1·9	2·0	0·6	...	32·7	34·5
Total Duration.	hr 1·0	hr. 0·6	hr. 0·6	hr. 1·3	hr. 1·3	hr. 1·5	hr. 1·1	hr. 0·7	hr. 1·0	hr. 1·7	hr. 2·1	hr. 2·1	hr. 2·4	hr. 1·7	hr. 1·4	hr. 2·5	hr. 4·2	hr. 2·3	hr. 1·3	hr. 0·4	hr. 0·9	hr. 1·4	hr. 1·0	hr. ...	hr. 34·5	

490. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. April, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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.
1	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·4	·2	...	...	·2	·8	·3	2·0	2·2
2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·3	...	...	...	...	...	...	1·1	2·0
3	...	...	...	...	·2	·9	·6	·5	...	...	·2	1·9	1·0	1·4	...	·2	...	...	...	...	...	...	...	...	6·9	6·0
4	...	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·8
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·7
7	1·5	·9	...	1·7	·2	...	·8	...	...	...	...	...	...	...	...	(...)	(·1)	...	·4	...	...	·3	...	...	5·9	3·1
8	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	·3	...	...	...	...	...	...	...	0·7	0·5
9	...	...	...	...	...	...	...	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·9
10	...	...	...	...	...	...	2·0	·3	·1	...	·2	1·2	...	·4	...	...	...	...	·1	...	...	...	2·2	·3	6·8	3·9
11	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	·7	...	·1	...	...	...	...	...	...	...	1·3	0·7
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·0	0·8
14	·5	·5	...	·1	...	(...)	(·1)	·3	...	·3	·2	5·1	·5	1·3	...	·2	·5	...	...	...	...	...	...	...	9·6	5·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	·1	·6	·2	·2	·2	...	·1	·2	·1	·1	...	...	...	...	·2	·2	·2	·4	·3	·3	3·4	10·4
17	·3	(...)	(·1)	·1	·1	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	3·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	2·5	2·4	·1	...	...	...	...	...	(...)	(·1)	...	...	5·1	1·3
21	...	...	...	...	...	...	...	...	...	...	1·0	...	...	·1	·7	...	...	...	·6	...	...	...	...	...	2·4	1·0
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·9	1·3	1·6
27	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	0·9	1·2
28	·4	·9	·8	·4	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	4·1
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	0·6	0·5
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·7	...	...	2·5	0·8
Sum.	2·9	2·4	1·4	2·3	0·6	1·6	3·9	1·9	0·4	0·5	1·8	8·4	4·8	5·9	1·5	0·4	1·7	1·3	1·5	0·2	1·0	2·8	3·6	3·9	56·7	51·6
Total Duration.	hr. 3·8	hr. 3·5	hr. 1·7	hr. 2·0	hr. 1·1	hr. 2·3	hr. 3·1	hr. 3·4	hr. 1·5	hr. 0·9	hr. 1·9	hr. 2·2	hr. 1·9	hr. 3·3	hr. 0·5	hr. 0·4	hr. 1·5	hr. 2·0	hr. 1·8	hr. 1·0	hr. 1·2	hr. 2·3	hr. 3·4	hr. 4·9	hr. 51·6	
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	

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

491. Richmond (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	·1	3·2	1·1	2·6	8·6	3·6
2	·6	·4	·3	·6	1·4	·3	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·4	·1	...	...	4·2	5·5
3	...	...	...	...	...	...	...	...	...	...	...	·2	1·1	·9	·1	...	...	...	...	·1	...	...	...	...	2·4	2·9
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	0·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·7	·1	...	...	...	2·9	1·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	·1	1·8	2·1	·8	1·7	1·9	2·6	1·9	4·2	4·6	2·3	1·1	...	...	...	...	...	...	...	...	25·1	10·9
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	·9	·6	·2	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·4
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	·3	...	...	...	...	...	...	·1	·2	·3	·1	...	...	...	...	...	...	...	...	1·0	1·8
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	·1	·3	·1	...	...	...	...	...	·6	1·3	·2	...	...	...	...	...	...	·1	3·8	·2	...	...	...	1·0	7·7	4·4
16	·3	...	...	...	...	...	...	...	...	...	1·0	...	...	...	·2	...	...	...	2·9	·4	...	...	...	...	4·8	2·0
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	1·8	...	1·9	0·3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·6	1·4	1·3	1·6	2·2	2·0	1·3	·1	10·9	7·8
22	·5	4·8	3·0	1·2	·5	·1	...	...	...	...	...	...	...	...	...	...	·9	·2	·8	...	...	...	...	...	12·0	5·3
23	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	0·6	1·2
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	0·2	0·3
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	·8	·7	·5	·8	1·0	1·4	·1	...	·3	·8	...	(·3)	(·7)	(·7)	(·9)	(·4)	(·2)	9·6	12·5
28	...	(·2)	(·5)	(·8)	(·6)	(·8)	...	...	...	...	...	(...)	(·1)	...	·6	·9	·1	...	...	·1	...	...	...	...	4·7	6·2
29	...	...	...	...	...	...	...	...	...	...	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	0·6
30	...	·3	·4	·5	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	2·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·5	6·0	4·3	4·2	3·7	3·6	2·3	1·8	3·0	3·7	6·4	3·2	6·9	5·8	3·7	2·8	2·4	1·9	9·3	7·4	3·8	6·2	4·6	3·9	102·4	73·3
Total Duration	hr. 1·9	hr. 3·0	hr. 3·6	hr. 4·6	hr. 5·3	hr. 4·0	hr. 1·7	hr. 2·5	hr. 2·6	hr. 2·9	hr. 3·8	hr. 2·5	hr. 3·3	hr. 2·5	hr. 3·1	hr. 2·6	hr. 2·1	hr. 1·5	hr. 3·4	hr. 4·5	hr. 3·4	hr. 3·0	hr. 3·2	hr. 2·3	hr. 73·3	

492. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. June, 1932.

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

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

493. Richmond (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	(1·0)	(1·5)	(·2)	(4·0)	(4·1)	(4·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14·9	5·5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	·3	2·0	·9	·1	...	...	...	...	...	·1	...	...	...	...	...	3·4	2·3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	2·4	·7	·9	·4	...	...	·2	...	·2	...	...	...	...	...	4·8	1·9
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	...	...	...	...	...	...	...	...	...	0·9	0·2
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	...	...	...	0·1	0·2
18	...	...	...	...	...	...	·9	1·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	1·4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·1	1·1	...	·2	...	...	...	...	...	5·4	1·3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	·2	...	...	·4	·6	1·4	·7	·3	3·7	4·7
25	·5	·1	·3	·1	...	...	·2	1·1	3·1	3·4	2·5	1·3	2·7	2·8	2·0	·3	...	...	...	...	...	...	...	...	20·4	10·7
26	...	...	...	...	...	...	...	·6	...	...	·4	...	...	...	·4	...	...	...	...	...	...	...	...	...	1·4	1·0
27	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	·5	·2	...	...	...	...	...	...	...	1·3	0·7
28	...	...	...	...	...	...	...	...	...	(...)	(·1)	·1	...	...	...	...	·5	·2	...	...	...	...	...	...	0·9	1·4
29	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	0·7	0·3
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	·2	·2	·1	·1	·2	...	...	...	...	...	...	·6	·2	...	...	...	1·6	1·8
Sum.	1·5	1·6	0·5	4·1	4·2	4·1	1·1	3·4	3·4	4·0	7·5	3·4	4·2	3·2	3·3	5·5	2·2	0·2	0·5	1·0	0·9	1·4	0·7	0·3	62·2	33·5
Total Duration	hr. 1·9	hr. 1·3	hr. 1·0	hr. 1·2	hr. 1·2	hr. 1·0	hr. 0·7	hr. 2·3	hr. 2·0	hr. 1·8	hr. 2·7	hr. 2·7	hr. 2·0	hr. 1·3	hr. 1·5	hr. 1·1	hr. 2·2	hr. 0·3	hr. 0·6	hr. 0·6	hr. 1·2	hr. 1·0	hr. 1·0	hr. 0·9	hr. 33·5	

494. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. August, 1932.

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

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

495. Richmond (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	0·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	·7	(3·5)	(3·6)	(1·3)	2·1	2·2	1·3	...	...	...	...	...	...	...	...	...	...	...	14·7	6·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·2	·1	·2	...	...	...	1·3	2·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	·1	...	...	...	...	...	0·5	0·5
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	...	...	...	...	...	...	...	1·1	0·6
8	...	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	·4	...	...	·4	...	...	...	...	...	...	...	0·9	1·6
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·3	·3	·1	16·0	1·2	2·1	·3	...	...	23·5	4·4
19	...	...	...	...	·6	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·7
20	...	...	...	...	...	...	·1	...	·1	...	...	...	·1	1·6	·8	·3	...	...	...	...	...	...	...	...	3·0	3·3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·1	·2	·7	·1	...	...	...	...	...	2·6	2·6
23	...	...	...	...	...	·3	...	...	·1	...	...	...	·2	...	·4	1·6	·1	...	...	...	...	...	...	...	2·7	2·6
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	1·5	·7	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	3·2	1·4
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·9	1·7	2·4
30	·3	(D)	(D)	(D)	(·1)	(D)	(D)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·8	...	2·1	2·3
Sum.	0·5	0·2	...	0·1	0·7	0·3	0·9	5·0	4·9	1·3	2·1	2·3	1·6	2·0	4·1	5·3	2·3	1·7	16·4	1·3	2·4	1·3	1·4	0·9	59·0	32·3
Total Duration.	hr. 0·6	hr. 0·1	hr. 0·1	hr. 0·2	hr. 0·6	hr. 0·3	hr. 1·2	hr. 1·7	hr. 2·3	hr. 1·0	hr. 1·0	hr. 1·2	hr. 1·4	hr. 1·8	hr. 2·9	hr. 2·7	hr. 1·7	hr. 1·6	hr. 1·9	hr. 1·5	hr. 1·7	hr. 2·5	hr. 1·6	hr. 0·7	hr. 32·3	

496. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. October, 1932.

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	Duration 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.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·3	·7	·3	...	...	...	...	...	...	...	3·4	2·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	·3	...	...	...	...	...	...	1·9	0·7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	0·2
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	...	...	...	...	...	...	0·2
8	...	...	...	...	...	...	...	...	...	·6	·9	·9	·7	·2	...	...	...	...	...	...	...	...	·1	...	3·4	4·4
9	...	·5	2·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	1·6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	0·7	1·1
11	·7	·4	·1	...	...	...	...	1·3	1·1	...	...	...	...	...	4·2	·9	·4	1·3	·2	...	...	...	...	...	10·6	6·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	1·0	0·7
13	...	...	2·8	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	0·6
14	...	...	...	·3	·2	·6	3·0	2·8	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	8·5	4·8
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	0·5	0·7
16	·6	·2	·4	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	3·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·7	·8	1·4	3·4	4·5
20	·4	·4	...	·1	·1	...	·1	·1	...	...	...	...	...	...	...	·3	·3	1·4	1·3	1·4	·6	1·1	1·7	1·4	10·7	11·5
21	1·4	3·7	1·6	...	...	...	·3	·1	...	...	...	...	...	...	1·1	2·1	·8	·4	...	...	...	...	...	...	11·5	7·6
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	...	...	...	...	...	...	...	...	...	1·2	0·4
23	...	...	...	·9	1·1	3·6	·6	...	...	...	1·2	1·6	·3	...	1·1	1·1	4·9	10·7	3·1	·7	...	...	...	...	30·9	10·7
24	...	...	...	...	...	...	...	...	...	...	·8	...	·1	·4	·3	...	...	...	...	...	(D)	(D)	(D)	(D)	1·6	2·2
25	(·1)	(D)	(D)	(D)	(D)	(·1)	(D)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·4	2·0	1·4
26	·4	·4	·4	...	·1	·2	...	...	...	...	...	...	...	1·4	·6	...	...	...	...	...	...	...	...	...	3·5	2·9
27	...	...	...	...	...	...	...	...	...	·6	1·2	...	...	...	...	...	...	...	...	...	2·9	3·3	2·3	1·3	11·6	5·2
28	·2	1·0	·1	...	...	...	...	...	...	...	...	...	...	·2	·2	1·5	·4	·6	...	...	...	...	...	...	4·2	6·9
29	(⊔)	(⊔)	(⊔)	(·1)	(⊔)	(⊔)	(⊔)	...	...	...	...	...	...	...	...	...	·8	·9	·1	3·2	2·5	·1	...	...	7·7	3·3
30	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	4·2	6·6	8·1	1·8	2·0	4·5	4·0	4·3	2·3	1·2	4·1	2·5	1·1	3·3	10·0	6·7	9·5	15·6	4·7	5·4	6·4	5·2	6·4	7·1	127·0	84·2
Total Duration.	hr. 5·0	hr. 5·3	hr. 3·7	hr. 3·0	hr. 2·3	hr. 2·1	hr. 2·8	hr. 2·3	hr. 1·6	hr. 1·3	hr. 3·3	hr. 2·0	hr. 1·7	hr. 3·0	hr. 5·3	hr. 5·0	hr. 6·2	hr. 5·7	hr. 2·5	hr. 3·4	hr. 3·5	hr. 3·1	hr. 4·5	hr. 5·6	hr. 84·2	
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	

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

497. Richmond (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, 1932.

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	Duration 0-24
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.
1	...	...	...	...	...	...	(⊔)	...	...	...	...	...	...	...	...	·7	...	...	...	(ꝑ)	(ꝑ)	(·1)	(ꝑ)	(ꝑ)	0·8	0·8
2	...	...	...	...	...	...	...	...	...	...	·3	...	·3	...	...	...	...	...	...	...	...	...	...	...	0·6	0·7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	·2	...	...	...	1·9	1·3
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·5
12	·1	·1	·1	·1	·1	·1	(...)	(...)	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	4·0
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	(...)	(·1)	...	(...)	(·1)	·1	·1	·2	·2	·2	·2	·1	...	·1	·1	...	...	...	...	...	...	...	...	1·5	5·4
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	·6	·1	·3	·3	·2	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·9
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	·1	0·4	1·1
21	·4	2·0	·4	(ꝑ)	(ꝑ)	(·1)	(ꝑ)	(ꝑ)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	2·2
22	...	...	...	...	...	...	...	...	...	...	...	·1	·6	1·2	2·3	1·9	1·0	·1	...	...	...	...	...	...	7·2	5·4
23	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	0·6	0·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·7	·5	1·3	1·6
25	·1	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·1
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	·4	·7	·4	...	...	...	...	...	1·6	2·5
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(⊔)	(⊔)	(⊔)	(⊔)	...	...
29	(⊔)	(·1)	(⊔)	(⊔)	(⊔)	(⊔)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	·4	·9	·4	1·0	...	3·2	5·2
Sum.	1·2	2·3	1·3	0·5	0·3	0·3	0·7	0·1	0·2	0·3	0·5	0·3	1·6	1·2	2·5	2·8	1·5	0·9	0·7	2·1	1·1	0·8	1·7	0·8	25·7	36·2
Total Duration	hr. 2·6	hr. 1·8	hr. 2·9	hr. 1·6	hr. 1·7	hr. 0·7	hr. 1·1	hr. 0·4	hr. 0·4	hr. 0·8	hr. 1·0	hr. 1·0	hr. 2·2	hr. 1·0	hr. 1·9	hr. 2·1	hr. 1·7	hr. 1·7	hr. 1·6	hr. 1·7	hr. 1·3	hr. 1·8	hr. 1·6	hr. 1·6	hr. 36·2	

498. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. December, 1932.

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

Note.- For Annual Totals, see table 485

For periods of sixty minutes, between the exact hours of Local Apparent Time.

499. Richmond (Kew Observatory): h_s (height of recorder above ground) = 13·3 metres. January, 1932.

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.	Radiation at Noon Ångstrom Pyrheliometer. Sky	Total	Vertical
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
2	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
3	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
4	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
5	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
6	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
7	--	--	--	--	--	...	·5	·7	...	...	...	·5	...	--	--	--	--	--	1·7	21	...	...	...
8	--	--	--	--	--	...	...	...	...	·8	1·0	·8	...	--	--	--	--	--	2·6	32	...	...	...
9	--	--	--	--	--	...	...	·2	1·0	·7	...	·1	...	--	--	--	--	--	2·0	25	Hazy	48	14
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
11	--	--	--	--	...	·1	...	·6	·9	·6	·1	·3	...	...	--	--	--	--	2·6	32	...	...	...
12	--	--	--	--	...	...	·9	1·0	1·0	1·0	1·0	·2	...	...	--	--	--	--	5·1	63	Hazy	48	14
13	--	--	--	--	...	...	...	...	·7	·9	·2	·2	...	...	--	--	--	--	2·0	24	Hazy	57	17
14	--	--	--	--	...	·2	1·0	1·0	1·0	·8	·5	·3	...	...	--	--	--	--	4·8	59	Hazy	55	16
15	--	--	--	--	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	...	...	--	--	--	--	6·4	78	Hazy	52	15
16	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
17	--	--	--	--	...	...	·4	·9	·3	·3	·6	·6	...	...	--	--	--	--	3·1	37	...	...	...
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
19	--	--	--	--	...	...	...	...	...	...	...	·1	...	...	--	--	--	--	0·1	1	...	...	...
20	--	--	--	--	...	...	...	...	...	...	·2	...	...	...	--	--	--	--	0·2	2	...	...	...
21	--	--	--	--	...	...	...	·3	·2	1·0	1·0	1·0	·5	...	--	--	--	--	4·0	47	...	...	...
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
23	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
24	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
25	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
26	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
27	--	--	--	--	...	...	...	·4	1·0	·9	·3	...	...	...	--	--	--	--	2·6	30	...	...	...
28	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
29	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
31	--	--	--	--	...	...	...	·9	·2	...	...	...	...	...	--	--	--	--	1·1	12	...	...	...
Sum.	--	--	--	--	...	0·7	3·8	7·0	7·3	8·0	5·9	5·1	0·5	...	--	--	--	--	38·3	--	--	--	--
Mean	--	--	--	--	...	·02	·12	·23	·24	·26	·19	·16	·02	...	--	--	--	--	1·24	15	--	--	--

500. Richmond (Kew Observatory): h_s = 13·3 metres. February, 1932.

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.	Sky	Total	Vertical
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
3	--	--	--	--	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	--	--	--	7·0	76	Hazy	35	13
4	--	--	--	--	...	...	...	...	...	·9	1·0	·1	...	...	--	--	--	--	2·0	22	...	...	...
5	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
6	--	--	--	--	...	...	·2	·1	·2	·4	·2	...	...	...	--	--	--	--	1·1	12	...	...	...
7	--	--	--	--	...	...	...	...	...	·6	1·0	1·0	·3	...	--	--	--	--	2·9	31	...	...	...
8	--	--	--	--	...	...	·2	·7	·6	...	...	...	...	...	--	--	--	--	1·5	16	...	...	...
9	--	--	--	--	...	...	...	...	...	...	...	·1	...	...	--	--	--	--	0·1	1	...	...	...
10	--	--	--	--	...	...	...	...	...	·6	·8	·6	·2	...	--	--	--	--	2·2	23	...	...	...
11	--	--	--	--	...	...	...	...	·1	·2	...	·2	...	...	--	--	--	--	0·5	5	...	...	...
12	--	--	--	--	...	·3	·1	...	·3	·2	·5	·3	·3	...	--	--	--	--	2·0	21	...	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
14	--	--	--	--	...	·3	·9	·8	·7	·9	·6	...	...	...	--	--	--	--	4·2	43	...	...	...
15	--	--	--	--	...	...	...	...	...	·2	·1	...	·1	...	--	--	--	--	0·4	4	...	...	...
16	--	--	--	--	...	...	...	...	...	...	·1	·4	...	...	--	--	--	--	0·5	5	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
18	--	--	--	--	...	...	...	·1	·5	1·0	1·0	1·0	·5	...	--	--	--	--	4·1	41	...	...	...
19	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
21	--	--	--	...	...	·5	1·0	·9	1·0	·6	·8	·3	...	...	...	--	--	--	5·1	50	...	...	...
22	--	--	--	...	...	...	...	...	...	...	...	·2	...	...	...	--	--	--	0·2	2	...	...	...
23	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
24	--	--	--	...	...	...	...	...	...	·1	·1	·2	·2	...	...	--	--	--	0·6	6	...	...	...
25	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
26	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
27	--	--	--	...	·2	·5	·5	·4	·8	·7	·5	·8	·3	...	...	--	--	--	4·7	44	...	...	...
28	--	--	--	...	...	·3	·7	·8	1·0	1·0	1·0	1·0	·7	...	...	--	--	--	6·5	61	...	...	...
29	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
Sum.	--	--	--	...	0·2	2·1	4·6	4·8	6·2	8·4	8·7	7·2	3·4	...	...	--	--	--	45·6	--	--	--	--
Mean	--	--	--	...	·01	·07	·16	·17	·21	·29	·30	·25	·12	...	...	--	--	--	1·57	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.	Sky (Radiation at Noon. Ångstrom Pyrheliometer.)	Total.	Vertical.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

501. Richmond (Kew Observatory): h_s (Height of recorder above ground) = 13·3 metres. March, 1932.

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.	Radiation at Noon. Ångstrom Pyrheliometer.		
																					Sky	Total	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	--	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	...	--	--	--	7·2	66	Hazy	37	19
2	--	--	--	...	...	...	...	...	·4	1·0	1·0	1·0	·2	...	...	--	--	--	3·6	33	...	...	...
3	--	--	--	...	...	·3	·2	·6	·6	·5	·2	·1	...	...	...	--	--	--	2·5	23	...	...	...
4	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
5	--	--	--	...	...	...	...	...	·8	·1	·3	...	...	...	...	--	--	--	1·2	11	...	...	...
6	--	--	--	...	1·0	1·0	1·0	1·0	1·0	·9	·6	·4	·8	·5	...	--	--	--	8·2	73	...	...	...
7	--	--	--	...	·7	1·0	1·0	1·0	1·0	1·0	·7	...	...	...	...	--	--	--	6·4	57	...	...	...
8	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
9	--	--	--	...	...	1·0	1·0	·9	·3	·3	·5	·3	...	...	...	--	--	--	4·3	38	...	...	...
10	--	--	--	...	...	·4	1·0	·4	·6	·7	·4	...	...	...	...	--	--	--	3·5	31	...	...	...
11	--	--	--	...	·2	·2	·9	1·0	1·0	·7	·5	·9	·3	·4	...	--	--	--	6·1	53	...	...	...
12	--	--	--	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	--	--	--	8·7	75	...	...	...
13	--	--	--	...	·9	1·0	·7	·9	·9	...	...	...	...	...	...	--	--	--	4·4	38	...	...	...
14	--	--	--	...	...	...	...	...	·7	1·0	1·0	1·0	·9	...	...	--	--	--	4·6	39	...	...	...
15	--	--	--	...	...	...	...	...	·3	...	...	·5	1·0	...	...	--	--	--	1·8	15	...	...	...
16	--	--	--	...	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	·2	...	--	--	--	5·8	49	...	...	...
17	--	--	--	·1	·2	...	...	·2	...	...	...	...	...	...	...	--	--	--	0·5	4	...	...	...
18	--	--	--	·4	·4	...	...	...	...	...	...	...	...	...	...	--	--	--	0·8	7	...	...	...
19	--	--	--	...	·7	1·0	1·0	·1	...	·2	·9	·8	·1	...	...	--	--	--	4·8	40	...	...	...
20	--	--	--	...	·3	·7	·5	·4	1·0	1·0	·9	·9	1·0	·2	...	--	--	--	6·9	57	...	...	...
21	--	--	...	...	...	...	·4	·1	...	·1	...	...	...	...	...	...	--	--	0·6	5	...	...	...
22	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
23	--	--	...	...	·5	1·0	1·0	1·0	·2	...	...	...	...	...	...	...	--	--	3·7	30	...	...	...
24	--	--	...	...	...	·1	·6	1·0	1·0	1·0	1·0	·3	·2	...	...	...	--	--	5·2	42	...	...	...
25	--	--	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	--	--	9·8	79	...	...	...
26	--	--	...	...	·2	·8	·6	·7	·1	·2	...	...	...	...	...	...	--	--	2·6	21	...	...	...
27	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
28	--	--	...	·1	·3	·6	·9	·9	·6	·8	·3	·7	·3	·6	·3	...	--	--	6·4	51	...	...	...
29	--	--	...	·3	1·0	1·0	·8	...	...	...	...	...	...	...	...	...	--	--	3·1	24	...	...	...
30	--	--	...	...	...	·4	·6	·9	·9	·3	·6	·8	·1	·7	...	...	--	--	5·3	42	...	...	...
31	--	--	...	...	...	·2	·6	·4	·4	·3	·6	·4	...	...	...	...	--	--	2·9	23	...	...	...
Sum.	--	--	...	1·6	8·3	13·2	15·8	15·1	15·8	14·1	13·5	12·1	8·2	2·9	0·3	...	--	--	120·9	--	--	--	--
Mean	--	--	...	·05	·27	·43	·51	·49	·51	·45	·44	·39	·26	·09	·01	...	--	--	3·90	33	--	--	--

502. Richmond (Kew Observatory): h_s = 13·3 metres. April, 1932.

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	Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	...	...	...	...	·3	·1	·3	·5	...	...	...	...	...	...	--	--	1·2	9	...	...	...
2	--	--	...	...	...	1·0	1·0	·9	·9	1·0	·1	...	...	...	...	...	--	--	4·9	38	...	...	...
3	--	--	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	--	--	0·4	3	...	...	...
4	--	--	...	...	...	...	...	·1	·8	·7	·3	·1	·8	·1	·7	...	--	--	3·6	28	...	...	...
5	--	--	...	...	·1	...	·4	1·0	1·0	1·0	1·0	1·0	·8	·5	·4	...	--	--	7·2	55	...	...	...
6	--	--	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	--	--	0·1	1	...	...	...
7	--	--	...	...	·7	·4	·9	·9	·8	·8	·7	1·0	·3	·8	·6	...	--	--	7·9	59	...	...	...
8	--	--	...	...	...	·7	·9	·8	·9	·4	·7	1·0	1·0	·6	·6	...	--	--	7·6	57	...	...	...
9	--	--	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	--	--	0·4	3	...	...	...
10	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
11	--	--	...	·5	·3	...	...	...	...	·2	...	·3	...	...	...	...	--	--	1·3	10	...	...	...
12	--	--	·1	1·0	1·0	1·0	·9	1·0	1·0	·9	·6	·6	·6	·1	·1	...	--	--	8·9	65	Clear	82	60
13	--	--	·1	1·0	1·0	1·0	·9	·9	·9	·9	·6	·5	...	·1	·3	...	--	--	8·2	60	Clear	79	58
14	--	--	...	...	...	...	...	·2	·1	...	...	·6	·1	·6	...	...	--	--	1·6	12	...	...	...
15	--	--	...	·1	...	...	...	...	...	·1	·3	·3	·8	·8	...	...	--	--	2·4	17	...	...	...
16	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
17	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
18	--	--	·4	1·0	1·0	1·0	·8	·2	·3	...	...	...	...	·1	...	...	--	--	4·8	34	...	...	...
19	--	--	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	--	--	0·1	1	...	...	...
20	--	...	...	...	·1	·2	...	...	·2	...	...	·5	·5	·1	·6	...	...	--	2·2	16	...	...	...
21	--	...	·2	1·0	1·0	·9	1·0	·4	·8	·3	·8	·8	·6	·4	...	...	...	--	8·2	58	...	...	...
22	--	...	·2	·9	·9	·2	1·0	·9	1·0	·8	·4	·8	1·0	·9	·7	·4	...	--	10·1	71	...	...	...
23	--	...	...	...	...	·2	...	·9	·8	1·0	1·0	1·0	1·0	·6	·7	·4	...	--	7·6	53	...	...	...
24	--	...	...	1·0	·6	·4	·5	·6	·5	·2	·5	·3	·2	·2	...	...	...	--	5·0	35	...	...	...
25	--	...	·7	1·0	1·0	1·0	1·0	·2	·2	·1	·1	...	...	...	...	...	...	--	5·3	37	...	...	...
26	--	...	·1	·8	1·0	1·0	1·0	·5	·2	·2	·1	·1	...	·3	·4	...	...	--	5·7	39	...	...	...
27	--	...	...	...	...	·2	·1	·3	...	...	...	...	·9	·5	...	...	...	--	2·0	14	...	...	...
28	--	...	...	...	...	...	...	...	...	·2	...	·3	·9	·1	...	...	...	--	1·5	10	...	...	...
29	--	...	...	·3	·2	...	...	·4	·4	·5	·2	...	...	...	...	...	...	--	2·0	14	...	...	...
30	--	...	·4	·4	...	·3	·9	·6	·9	·8	·2	·3	·5	·5	·5	·3	...	--	6·6	45	...	...	...
Sum	--	...	2·2	9·0	8·9	9·5	11·7	10·9	12·0	10·9	7·8	9·6	10·3	7·3	5·6	1·1	...	--	116·8	--	--	--	--
Mean	--	...	·07	·30	·30	·32	·39	·36	·40	·36	·26	·32	·34	·24	·19	·04	...	--	3·89	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	Radiation at Noon. Ångstrom Pyrheliometer.		

For periods of sixty minutes, between the exact hours of Local Apparent Time.

503. Richmond (Kew Observatory): h_s (Height of recorder above ground) = 13·3 metres. May, 1932.

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.	Radiation at Noon. Ångstrom Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm^2	mw/cm^2
1	--	...	...	·6	1·0	·8	·2	·9	·1	...	...	...	·4	·6	...	...	...	--	4·6	31	...	...	...
2	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
3	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
4	--	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	--	0·3	2	...	...	...
5	--	...	·3	·2	·7	·2	·1	...	·1	·8	·5	·2	·9	·4	·2	·7	...	--	5·3	35	...	...	...
6	--	...	·1	·3	...	...	...	·3	...	...	·2	·6	·1	·3	...	...	...	--	1·9	13	...	...	...
7	--	...	...	...	...	·1	·7	·9	·3	·8	...	·5	·3	1·0	·3	...	...	--	4·9	32	...	...	...
8	--	...	·7	1·0	1·0	·9	1·0	1·0	1·0	1·0	·5	·3	...	...	...	...	...	--	8·4	55	...	...	...
9	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
10	--	...	·6	1·0	1·0	1·0	·8	·8	·7	·9	·8	·5	·4	·4	...	...	...	--	8·9	58	...	...	...
11	--	...	...	...	...	...	...	...	·3	·8	·5	·1	...	...	...	...	...	--	1·7	11	...	...	...
12	--	...	...	...	...	...	·1	·1	·1	...	...	·2	...	·8	·8	·1	...	--	2·2	14	...	...	...
13	--	...	...	...	...	·4	·4	...	...	...	...	...	...	...	...	...	...	--	0·8	5	...	...	...
14	--	...	...	...	...	·7	·3	·8	·4	·8	·9	·7	·8	·8	·2	...	...	--	6·4	41	...	...	...
15	--	...	...	...	...	...	...	...	·1	·5	...	...	...	...	...	...	...	--	0·6	4	...	...	...
16	--	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	--	0·6	4	...	...	...
17	--	...	...	·2	·9	·8	·8	·7	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·4	--	11·7	75	Clear	74	62
18	--	...	·2	1·0	1·0	·8	1·0	·7	...	...	·1	...	...	...	...	...	...	--	4·8	31	Clear	73	62
19	--	...	...	...	·2	·9	1·0	1·0	1·0	1·0	1·0	·9	·9	·7	·9	·8	·2	--	10·5	67	Clear	77	65
20	--	...	...	...	...	...	...	...	...	·4	·8	·9	·7	·4	·1	...	...	--	3·3	21	...	...	...
21	--	...	...	...	·8	·7	·9	1·0	1·0	·3	·1	...	...	...	...	...	...	--	4·8	30	Clear	69	59
22	--	...	...	...	...	·2	·7	·9	·5	·2	·7	·7	·7	·6	...	...	...	--	5·2	33	...	...	...
23	--	...	...	...	·1	·1	·2	...	...	·2	...	·4	·5	·4	·4	...	...	--	2·3	14	...	...	...
24	--	...	...	...	·1	...	...	·1	...	·1	...	·1	...	...	·6	·3	·1	--	1·4	9	...	...	...
25	--	...	·9	1·0	·6	·2	·3	·1	...	...	...	...	...	...	...	·1	...	--	3·2	20	...	...	...
26	...	...	·3	1·0	1·0	·8	·8	·8	·6	·2	·8	·1	·3	...	·3	·6	...	...	7·6	47	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	·2	·5	...	...	...	...	...	...	...	...	...	...	...	...	0·7	4	...	...	...
29	...	...	...	...	...	...	·4	...	·1	·2	·3	·7	·7	·6	·3	·1	...	...	3·4	21	...	...	...
30	...	...	...	...	·1	...	·1	·4	·7	...	...	...	...	·4	·1	·7	...	...	2·5	15	...	...	...
31	...	...	...	...	·9	1·0	1·0	1·0	·7	·2	·3	·7	·3	·1	...	...	...	...	6·2	38	...	...	...
Sum.	...	...	3·1	6·3	9·6	10·1	10·8	11·5	8·7	9·3	8·5	8·6	8·0	9·0	5·6	4·4	0·7	...	114·2	--	--	--	--
Mean.	...	...	·10	·20	·31	·33	·35	·37	·28	·30	·27	·28	·26	·29	·18	·14	·02	...	3·68	24	--	--	--

504. Richmond (Kew Observatory): h_s = 13·3 metres. June, 1932.

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	Sky. Radiation at Noon. Ångstrom Pyrheliometer.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm^2	mw/cm^2
1	...	...	...	...	...	...	...	...	...	...	·1	·1	·9	1·0	·3	·3	...	...	2·7	17	...	...	...
2	...	...	...	...	...	·7	·9	·9	·8	·9	·9	1·0	·8	·7	·5	...	...	...	8·1	50	...	...	...
3	...	...	...	...	...	...	...	1·0	1·0	·6	·2	·1	...	...	...	...	...	...	2·9	18	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·6	...	...	1·4	9	...	...	...
6	...	...	...	·9	·9	·8	·7	·7	·6	·6	·3	...	·4	·7	1·0	·3	...	...	7·9	48	...	...	...
7	...	...	...	...	·6	1·0	1·0	·9	·8	·7	·9	·9	·2	·4	·5	·3	...	...	8·2	50	...	...	...
8	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	0·3	2	...	...	...
9	...	...	·3	1·0	·8	·1	1·0	·8	·8	·7	1·0	·7	·1	1·0	1·0	1·0	·4	...	10·7	65	...	...	...
10	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	1·0	·9	·9	·9	·5	·2	...	12·3	75	...	...	...
11	...	...	...	...	...	·5	·3	·5	·1	...	·1	·1	·2	...	·5	·5	...	...	2·8	17	...	...	...
12	...	·1	·3	1·0	1·0	·7	·6	·9	·9	·8	...	·2	1·0	·8	·3	·1	...	...	8·7	53	...	...	...
13	...	...	1·0	1·0	1·0	·4	·6	·1	·1	·6	·8	·9	1·0	1·0	1·0	1·0	·2	...	10·7	65	...	...	...
14	...	·1	·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	...	14·6	88	...	...	...
15	...	...	...	·2	·4	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	10·7	65	Clear	82	72
16	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	·9	·9	·8	·7	·4	·8	·2	...	8·9	54	Hazy	63	56
17	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	1·0	1·0	1·0	·3	...	14·5	88	Clear	77	68
18	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	1·0	1·0	...	...	13·5	81	Hazy	74	65
19	...	...	...	·7	·9	·9	·8	·8	·5	...	...	...	...	...	...	...	...	...	4·6	28	...	...	...
20	...	...	·2	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	7	...	...	...
21	...	...	...	...	...	...	...	...	...	...	·3	·7	·8	·7	·3	...	·2	...	3·0	18	...	...	...
22	...	...	...	...	...	...	·4	·8	·9	1·0	·9	·9	·9	1·0	1·0	·5	...	...	8·3	50	Hazy	50	44
23	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·7	·8	·3	·5	·2	·9	·1	...	...	9·9	60	...	...	...
24	...	...	...	...	·2	...	...	...	...	·1	...	...	...	·1	·3	...	...	...	0·7	4	...	...	...
25	...	...	...	·1	...	·7	·7	·4	·6	·6	·7	·4	·9	·3	...	...	...	...	5·4	33	...	...	...
26	...	...	·7	·8	...	·3	1·0	·7	·1	·2	·2	·4	·9	·8	·2	·4	...	...	6·7	40	...	...	...
27	...	...	·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	...	...	13·5	82	...	...	...
28	...	·2	·4	·1	·4	·2	·6	·7	·7	·9	·8	·1	·5	·9	·8	·3	...	...	7·6	46	...	...	...
29	...	...	·3	·9	·8	·9	·6	·2	1·0	·8	1·0	·9	·9	1·0	·9	·5	...	...	10·7	65	...	...	...
30	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...
Sum.	...	1·0	6·9	13·5	13·2	14·3	17·2	17·6	16·9	16·1	15·7	14·6	16·2	17·2	16·5	11·6	2·1	...	210·6	--	--	--	--
Mean.	...	·03	·23	·45	·44	·48	·57	·59	·56	·54	·52	·49	·54	·57	·55	·39	·07	...	7·02	43	--	--	--

For periods of sixty minutes, between the exact hours of Local Apparent Time.

505. Richmond (Kew Observatory): h_s (Height of recorder above ground) = 13·3 metres. July, 1932.

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.	Radiation at Noon. Ångstrom Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	...	...	...	...	...	...	·6	·9	·9	·9	1·0	·7	1·0	·5	·3	·3	...	...	7·1	43	...	...	...
2	...	...	...	...	·1	·2	...	·4	1·0	·4	·3	·4	·7	·6	...	...	...	...	4·1	25	...	...	...
3	...	·1	1·0	1·0	1·0	·5	·1	...	·1	...	·2	·9	·7	·5	·5	·3	...	...	6·9	42	...	...	...
4	...	·4	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	...	...	...	12·6	77	...	...	...
5	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2	...	...	...
6	...	...	·9	1·0	1·0	1·0	·9	·4	·5	·7	·5	·5	·7	·1	·7	·6	·1	...	9·6	59	...	...	...
7	...	...	·3	·4	1·0	·6	·9	·1	...	...	·4	·1	...	·1	·2	·2	...	...	4·3	26	...	...	...
8	...	...	...	·2	·9	1·0	1·0	1·0	1·0	1·0	·9	·7	·1	·8	·9	·5	...	...	10·0	61	...	...	...
9	...	...	...	...	·3	1·0	·6	·2	·7	·9	1·0	1·0	1·0	·9	·2	...	...	...	7·8	48	Hazy	71	62
10	...	...	·5	1·0	1·0	1·0	·8	·8	·9	·9	·9	·9	1·0	1·0	·9	·8	·3	...	12·7	78	...	...	...
11	...	...	·2	1·0	1·0	1·0	·9	·3	·2	·1	...	·2	·5	·8	...	...	...	...	6·2	38	...	...	...
12	...	...	...	...	...	·6	·3	...	·1	·1	...	...	...	...	...	...	...	...	1·1	7	...	...	...
13	...	...	...	...	...	...	...	...	...	·1	...	...	·2	...	...	...	...	...	0·3	2	...	...	...
14	...	·1	1·0	1·0	·5	·9	1·0	1·0	·9	·8	·2	·5	...	...	·4	...	...	...	8·3	51	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	·3	·3	·9	·4	...	...	...	...	...	·3	...	...	...	...	2·2	14	...	...	...
17	...	...	...	...	...	·1	·1	·1	·1	...	·3	...	...	...	...	·1	...	...	0·8	5	...	...	...
18	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·1	1	...	...	...
19	--	...	...	·2	·5	·4	·8	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·8	·1	--	9·4	59	...	...	...
20	--	...	...	·8	·9	·9	·4	·5	...	...	·3	·6	·7	1·0	·9	·2	...	--	7·2	45	...	...	...
21	--	·2	1·0	·7	·2	1·0	·3	·6	·3	·3	...	·1	...	...	...	...	...	--	4·7	30	...	...	...
22	--	...	...	...	...	...	...	·1	·2	...	...	·2	...	...	...	...	...	--	0·5	3	...	...	...
23	--	...	...	...	·7	·4	·8	·5	·2	...	...	...	·1	·1	·2	...	...	--	3·0	19	...	...	...
24	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
25	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	...	...	...	...	...
26	--	...	·1	·1	...	·6	·2	·3	1·0	·6	·9	·2	·5	·5	·9	1·0	·3	--	7·2	46	...	...	...
27	--	...	...	·2	·2	·4	·9	·6	·5	·6	·6	·6	·1	·1	...	...	...	--	4·8	31	Clear	85	70
28	--	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	--	0·1	1	...	...	...
29	--	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	--	0·3	2	...		
30	--	...	...	...	·6	·8	·9	...	·2	·4	·4	·1	...	...	...	·1	...	--	3·5	23	...	...	...
31	--	...	...	...	...	...	...	...	·4	·5	·1	·8	·7	1·0	1·0	·4	...	--	4·9	32	...	...	...
Sum.	...	0·8	5·5	8·6	11·4	14·0	13·4	9·2	10·8	10·4	10·3	10·5	9·9	10·2	9·0	5·3	0·8	...	140·1	--	--	--	--
Mean	...	·03	·18	·28	·37	·45	·43	·30	·35	·34	·33	·34	·32	·33	·29	·17	·03	...	4·52	28	--	--	--

506. Richmond (Kew Observatory): h_s = 13·3 metres. August, 1932.

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.	Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	...	·2	·4	·1	...	·4	·5	·6	·7	...	...	...	·9	·1	·6	·2	--	4·7	31	...	...	...
2	--	...	...	...	...	·2	...	...	·1	·5	·2	...	·1	·1	...	...	...	--	1·2	8	...	...	...
3	--	...	...	...	...	...	...	...	·1	·5	·8	·9	1·0	1·0	1·0	·9	...	--	6·2	41	...	...	...
4	--	...	...	...	·9	...	...	...	·8	·3	·5	...	·8	·8	·5	·8	...	--	5·4	36	...	...	...
5	--	...	...	...	...	·2	·3	·8	·8	·9	·9	·7	...	·1	·9	·9	·1	--	6·6	44	Clear	85	69
6	--	...	...	...	...	·1	·9	1·0	·6	·9	1·0	·9	·9	·8	·6	·2	...	--	7·9	52	...	...	...
7	--	...	...	1·0	·4	·7	·9	·8	·7	·9	·9	·9	·9	·9	·9	·3	...	--	10·2	68	...	...	...
8	--	...	...	·3	·1	·9	·7	·9	·9	·3	...	·4	·9	1·0	1·0	·8	...	--	8·2	55	Clear	81	66
9	--	...	...	...	...	...	...	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	--	8·6	58	Hazy	79	64
10	--	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	--	11·9	80	Hazy	85	69
11	--	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	--	12·4	84	Hazy	77	62
12	--	...	...	...	...	·4	·5	...	...	...	·8	·6	1·0	·9	·5	·4	...	--	5·1	35	...	...	...
13	--	...	·8	1·0	1·0	·9	·4	·9	1·0	·9	·6	1·0	·9	·9	·9	...	...	--	11·2	76	...	...	...
14	--	...	...	...	...	·6	...	·2	...	...	·2	...	...	·1	...	...	...	--	1·1	8	...	...	...
15	--	...	...	...	...	...	...	...	...	·7	...	·1	...	·1	...	...	...	--	0·9	6	...	...	...
16	--	...	...	...	...	...	...	...	·4	·4	·9	·9	·9	·9	1·0	·4	...	--	5·8	40	...	...	...
17	--	...	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	--	10·3	71	Hazy	59	47
18	--	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	·9	·1	...	...	--	9·5	66	Hazy	58	46
19	--	...	...	·1	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	--	10·9	76	...	...	...
20	--	...	...	1·0	1·0	1·0	1·0	·8	·6	·4	·7	·1	...	...	...	...	...	--	6·6	46	...	...	...
21	--	...	...	...	...	·1	·9	·1	·9	·3	...	...	·3	·1	...	...	...	--	2·7	19	...	...	...
22	--	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	--	0·2	1	...	...	...
23	--	...	...	·2	1·0	·9	·8	·8	...	·1	·7	·2	...	...	·3	...	...	--	5·0	35	...	...	...
24	--	...	...	...	...	·3	...	...	...	1·0	·8	·4	·4	·4	·1	...	...	--	3·4	24	...	...	...
25	--	--	...	·1	...	·2	·1	·8	1·0	·9	1·0	1·0	1·0	1·0	·9	·2	--	--	8·2	59	...	...	...
26	--	--	...	...	...	·1	1·0	1·0	·9	·3	...	...	...	...	...	...	--	--	3·3	24	...	...	...
27	--	--	...	·1	1·0	·2	...	·1	·8	1·0	·9	1·0	1·0	·9	1·0	...	--	--	8·0	58	...	...	...
28	--	--	...	...	·4	·9	1·0	·8	·6	·6	·1	...	...	...	...	...	--	--	4·4	32	...	...	...
29	--	--	...	...	·3	·8	·6	1·0	1·0	·2	·3	...	...	...	...	...	--	--	4·2	31	...	...	...
30	--	--	...	...	...	·1	...	·7	·9	·4	·4	·6	·2	...	·1	...	--	--	3·4	25	...	...	...
31	--	--	...	...	·4	·7	·9	·9	·4	·8	1·0	1·0	1·0	1·0	·9	...	--	--	9·0	66	...	...	...
Sum.	--	...	1·0	5·0	10·0	14·2	15·4	17·8	19·0	19·0	18·9	16·6	16·7	17·8	15·8	9·0	0·3	--	196·5	--	--	--	--
Mean	--	...	·03	·16	·32	·46	·50	·57	·61	·61	·61	·54	·54	·57	·51	·29	·01	--	6·34	44	--	--	--
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.	Sky. Radiation at Noon. Ångstrom Pyrheliometer.	Total.	Vertical.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

507. Richmond (Kew Observatory): h_s (Height of recorder above ground) = 13·3 metres. September, 1932.

Hour L. A. T. / 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.	Radiation at Noon. Angstrom Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	...	·7	·9	·8	1·0	·4	...	...	...	...	...	...	...	...	--	--	3·8	28	...	...	...
2	--	--	...	...	...	·1	·5	·2	·5	·6	·1	...	...	·1	...	...	--	--	2·1	16	...	...	...
3	--	--	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	--	--	0·1	1	...	...	...
4	--	--	...	·9	1·0	1·0	1·0	1·0	·5	·7	·3	·1	...	...	...	...	--	--	6·5	49	...	...	...
5	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
6	--	--	...	...	...	...	...	...	·2	·7	·1	...	...	...	...	...	--	--	1·0	8	...	...	...
7	--	--	...	·7	1·0	·7	·8	1·0	·7	·8	·3	...	·5	·8	1·0	·1	--	--	8·4	64	...	...	...
8	--	--	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	--	--	0·1	1	...	...	...
9	--	--	...	...	...	...	...	·7	1·0	·7	1·0	·8	·9	·9	·8	...	--	--	6·8	52	...	...	...
10	--	--	...	...	...	·2	...	...	...	...	...	...	...	·3	·1	...	--	--	0·6	5	...	...	...
11	--	--	...	...	...	...	...	...	...	·3	·6	1·0	·9	1·0	·8	...	--	--	4·6	36	...	...	...
12	--	--	...	·8	1·0	·9	·8	·8	...	...	...	...	...	...	...	...	--	--	4·3	34	...	...	...
13	--	--	...	...	...	...	...	...	...	...	...	·1	·1	·1	·3	...	--	--	0·6	5	...	...	...
14	--	--	...	·6	1·0	1·0	1·0	·4	·4	·7	·9	·9	·5	·7	·4	...	--	--	8·5	67	...	...	...
15	--	--	...	...	·3	·6	·6	...	...	...	...	·4	1·0	·5	...	...	--	--	3·4	27	...	...	...
16	--	--	...	...	...	...	...	·9	1·0	1·0	·6	...	...	...	...	...	--	--	3·5	28	...	...	...
17	--	--	...	...	...	...	1·0	·8	·7	1·0	·9	·6	·1	...	...	...	--	--	5·1	41	...	...	...
18	--	--	...	...	...	·5	·2	...	...	...	...	...	...	...	...	...	--	--	0·7	6	...	...	...
19	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
20	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
21	--	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	--	--	9·9	81	Clear	61	39
22	--	--	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	--	--	0·4	3	...	...	...
23	--	--	...	...	...	...	...	...	...	...	...	...	...	...	...	...	--	--	...	...	...	...	...
24	--	--	...	...	...	...	...	...	...	...	...	·1	·9	·9	...	...	--	--	1·9	16	...	...	...
25	--	--	--	...	...	...	...	·9	·8	·2	·1	·8	·4	...	...	--	--	--	3·2	27	...	...	...
26	--	--	--	...	·9	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·4	--	--	--	10·2	86	Clear	77	47
27	--	--	--	...	...	·1	·6	·4	·1	...	...	·4	·6	·8	...	--	--	--	3·0	25	...	...	...
28	--	--	--	...	·7	1·0	1·0	1·0	·8	·5	·3	·4	·6	·1	...	--	--	--	6·4	54	...	...	...
29	--	--	--	...	...	...	...	·4	·1	·4	·1	...	...	...	...	--	--	--	1·0	9	...	...	...
30	--	--	--	·3	1·0	1·0	1·0	1·0	·8	·5	·1	·2	·3	·3	...	--	--	--	6·5	56	...	...	...
Sum.	--	--	...	4·1	9·0	10·2	11·5	11·9	9·6	10·1	7·3	7·8	8·9	8·3	3·8	0·1	--	--	102·6	--	--	--	--
Mean	--	--	...	·14	·30	·34	·38	·40	·32	·34	·24	·26	·30	·28	·13	·00	--	--	3·42	27	--	--	--

508. Richmond (Kew Observatory): h_s = 13·3 metres. October, 1932.

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.	Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	--	...	·2	·8	1·0	1·0	·7	·5	...	...	...	...	...	--	--	--	4·2	36		...	...
2	--	--	--	...	·8	·8	1·0	1·0	·7	...	·9	·6	·8	·2	...	--	--	--	6·8	59	...	...	...
3	--	--	--	...	...	...	...	...	...	...	·3	·5	...	...	...	--	--	--	0·8	7	...	...	...
4	--	--	--	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	...	--	--	--	9·6	84	Hazy	62	35
5	--	--	--	...	·5	1·0	1·0	1·0	1·0	·6	...	...	...	...	...	--	--	--	5·1	45	...	...	...
6	--	--	--	...	·9	1·0	1·0	1·0	·1	1·0	·5	·4	1·0	·7	...	--	--	--	7·6	67	Clear	61	34
7	--	--	--	...	...	...	...	...	·2	·6	·2	·7	·2	...	...	--	--	--	1·9	17	...	...	...
8	--	--	--	...	...	...	...	...	...	...	...	...	·3	...	...	--	--	--	0·3	3	...	...	...
9	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
10	--	--	--	...	...	...	·6	1·0	1·0	·9	·9	·8	·8	·5	...	--	--	--	6·5	59	Clear	65	34
11	--	--	--	...	...	...	...	...	...	...	·1	...	...	...	...	--	--	--	0·1	1	...	...	...
12	--	--	--	...	...	...	...	...	...	·7	1·0	·9	1·0	·3	...	--	--	--	3·9	36	...	...	...
13	--	--	--	...	...	...	·3	·1	·2	·1	1·0	·8	·6	·8	...	--	--	--	3·9	36	...	...	...
14	--	--	--	...	...	...	...	·2	·9	·5	·4	·9	·3	·3	...	--	--	--	3·5	33	Clear	76	45
15	--	--	--	...	...	·4	·7	1·0	·8	·5	·1	·6	·2	·1	...	--	--	--	4·4	41	...	...	...
16	--	--	--	...	...	·2	·1	·5	·1	...	...	·3	·1	·1	...	--	--	--	1·4	13	...	...	...
17	--	--	--	...	...	·2	1·0	·5	·7	·7	·2	·1	1·0	·5	...	--	--	--	4·9	47	...	...	...
18	--	--	--	...	·7	1·0	·9	·6	·6	·7	·9	·6	·8	·4	...	--	--	--	7·2	69	...	...	...
19	--	--	--	...	·3	1·0	1·0	1·0	1·0	·4	·5	...	...	...	...	--	--	--	5·2	50	...	...	...
20	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
21	--	--	--	...	·1	1·0	1·0	1·0	·2	...	...	...	...	...	...	--	--	--	3·3	32	...	...	...
22	--	--	--	...	...	...	...	...	...	...	...	...	·1	·1	...	--	--	--	0·2	2	...	...	...
23	--	--	--	...	·4	·7	·1	...	...	...	...	...	...	...	...	--	--	--	1·2	12	...	...	...
24	--	--	--	...	...	...	...	...	...	...	...	...	...	...	...	--	--	--	...	...	...	...	...
25	--	--	--	...	...	1·0	·9	·9	·3	...	...	...	...	...	...	--	--	--	3·1	31	...	...	...
26	--	--	--	--	·2	·1	·6	·7	1·0	·2	·1	·1	·5	·1	--	--	--	--	3·6	36	...	...	...
27	--	--	--	--	...	...	...	...	·1	·5	1·0	·7	·9	...	--	--	--	--	3·2	32	...	...	...
28	--	--	--	--	...	...	·1	·1	...	...	...	...	...	...	--	--	--	--	0·2	2	...	...	...
29	--	--	--	--	·1	1·0	·7	...	...	...	...	...	...	...	--	--	--	--	1·8	18	...	...	...
30	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
31	--	--	--	--	...	...	·6	·7	·3	·4	...	·1	·5	...	--	--	--	--	2·6	27	...	...	...
Sum.	--	--	--	...	5·0	11·2	13·6	13·3	10·9	9·3	9·1	9·0	10·1	5·0	...	--	--	--	96·5	--	--	--	--
Mean.	--	--	--	...	·16	·36	·44	·43	·35	·30	·29	·29	·33	·16	...	--	--	--	3·11	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.	Sky. Radiation at Noon. Ångstrom Pyrheliometer.	Total.	Vertical

For periods of sixty minutes, between the exact hours of Local Apparent Time.

509. Richmond (Kew Observatory): h_s (Height of recorder above ground) = 13·3 metres. November, 1932.

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.	Radiation at Noon. Ångstrom Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
3	--	--	--	--	...	...	...	...	...	...	...	·4	·1	...	--	--	--	--	0·5	5	...	...	...
4	--	--	--	--	...	...	·2	...	...	...	...	·1	...	...	--	--	--	--	0·3	3	...	...	...
5	--	--	--	--	...	...	·4	1·0	·9	·5	...	...	...	...	--	--	--	--	2·8	30	...	...	...
6	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
7	--	--	--	--	...	...	·1	·7	1·0	1·0	·9	·9	·1	...	--	--	--	--	4·7	51	...	...	...
8	--	--	--	--	...	...	...	...	...	·2	...	·1	...	...	--	--	--	--	0·3	3	...	...	...
9	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
10	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
11	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
12	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
13	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
14	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
15	--	--	--	--	...	...	...	·1	·4	...	...	...	...	...	--	--	--	--	0·5	6	...	...	...
16	--	--	--	--	...	...	...	...	...	·1	...	...	...	...	--	--	--	--	0·1	1	...	...	...
17	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
18	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
19	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
20	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
21	--	--	--	--	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	--	--	--	--	6·7	79	Clear	53	16
22	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
23	--	--	--	--	...	...	·5	·8	...	·3	·3	·7	·2	...	--	--	--	--	2·8	33	...	...	...
24	--	--	--	--	...	...	...	·4	·9	·2	...	...	...	...	--	--	--	--	1·5	18	...	...	...
25	--	--	--	--	...	...	...	·2	...	...	...	...	...	...	--	--	--	--	0·2	2	...	...	...
26	--	--	--	--	...	...	...	·4	...	·2	...	·3	...	...	--	--	--	--	0·9	11	...	...	...
27	--	--	--	--	...	·5	1·0	1·0	1·0	·3	...	...	...	...	--	--	--	--	3·8	46	...	...	...
28	--	--	--	--	...	...	·7	·2	...	...	...	...	...	...	--	--	--	--	0·9	11	...	...	...
29	--	--	--	--	...	...	...	...	...	...	...	·1	...	...	--	--	--	--	0·1	1	...	...	...
30	--	--	--	--	...	...	·1	...	...	...	...	...	...	...	--	--	--	--	0·1	1	...	...	...
Sum.	--	--	--	--	...	0·6	4·0	5·8	5·2	3·8	2·2	3·6	1·0	...	--	--	--	--	26·2	--	--	--	--
Mean.	--	--	--	--	...	·03	·13	·19	·17	·13	·07	·12	·03	...	--	--	--	--	0·87	10	--	--	--

510. Richmond (Kew Observatory): h_s = 13·3 metres. December, 1932.

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.	Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	--	--	--	...	...	...	...	...	...	·1	·8	...	...	--	--	--	--	0·9	11	...	...	...
2	--	--	--	--	...	...	...	...	...	...	...	...	...	...	--	--	--	--	...	...	...	...	...
3	--	--	--	--	...	...	...	...	...	·9	1·0	·8	·1	...	--	--	--	--	2·8	35	...	...	...
4	--	--	--	--	...	·3	1·0	1·0	1·0	1·0	·7	·2	...	...	--	--	--	--	5·2	65	...	...	...
5	--	--	--	--	...	...	...	...	...	...	·1	·9	...	...	--	--	--	--	1·0	13	...	...	...
6	--	--	--	--	--	...	...	·3	·8	·9	1·0	·7	...	--	--	--	--	--	3·7	46	...	...	...
7	--	--	--	--	--	...	·5	1·0	1·0	1·0	·5	...	...	--	--	--	--	--	4·0	50	...	...	...
8	--	--	--	--	--	...	...	...	...	...	·2	...	...	--	--	--	--	--	0·2	3	...	...	...
9	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
10	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
11	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
12	--	--	--	--	--	...	...	...	·4	·1	...	...	...	--	--	--	--	--	0·5	6	...	...	...
13	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
14	--	--	--	--	--	...	...	...	·2	·7	1·0	1·0	...	--	--	--	--	--	2·9	37	...	...	...
15	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
16	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
17	--	--	--	--	--	·1	·1	·3	·5	1·0	·8	...	...	--	--	--	--	--	2·8	36	...	...	...
18	--	--	--	--	--	...	...	·1	...	·4	1·0	1·0	·1	--	--	--	--	--	2·6	34	...	...	...
19	--	--	--	--	--	...	...	...	...	...	·9	1·0	·2	--	--	--	--	--	2·1	27	...	...	...
20	--	--	--	--	--	...	...	...	...	·2	·1	·3	...	--	--	--	--	--	0·6	8	...	...	...
21	--	--	--	--	--	...	·1	·7	1·0	·5	·7	·8	·1	--	--	--	--	--	3·9	50	...	...	...
22	--	--	--	--	--	...	·9	1·0	1·0	1·0	1·0	·5	...	--	--	--	--	--	5·4	70	Clear	48	12
23	--	--	--	--	--	...	·8	·2	·9	...	·8	·2	...	--	--	--	--	--	2·9	37	...	...	...
24	--	--	--	--	--	...	·7	1·0	1·0	1·0	·8	·5	...	--	--	--	--	--	5·0	65	...	...	...
25	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
26	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
27	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
28	--	--	--	--	--	...	·2	1·0	·7	·2	...	...	...	--	--	--	--	--	2·1	27	...	...	...
29	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
30	--	--	--	--	--	...	...	...	...	...	...	...	...	--	--	--	--	--	...	...	...	...	...
31	--	--	--	--	--	...	...	...	...	·3	·2	·1	...	--	--	--	--	--	0·6	8	...	...	...
Sum.	--	--	--	--	...	0·4	4·3	6·6	8·5	9·2	10·9	8·8	0·5	...	--	--	--	--	49·2	--	--	--	--
Mean.	--	--	--	--	...	·01	·14	·21	·27	·30	·35	·28	·02	...	--	--	--	--	1·59	20	--	--	--
Annual Total	...	1·8	18·7	48·1	75·6	100·5	126·1	131·5	130·9	128·6	118·8	113·5	93·7	77·7	56·6	31·5	3·9	...	1257·5	--	--	--	--
Annual Mean.	...	·00	·05	·13	·21	·27	·34	·36	·36	·35	·32	·31	·26	·21	·15	·09	·01	...	3·44	26			
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day.	Per cent. of Possible.	Sky. Radiation at Noon. Angstrom Pyrheliometer.	Total.	Vertical.

Direction expressed in degrees from North ($E = 90^{\circ}$, $S = 180^{\circ}$, $W = 270^{\circ}$, $N = 360^{\circ}$). Speed in metres per second.

511. Richmond (Kew Observatory):

H_a (height of vane of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	235	(1·0)	260	(0·7)	225	(0·1)	---	(0·0)	---	0·0	210	(1·0)	200	2·3	200	4·5	195	4·0	195	4·0	205	5·9	210	6·5
2	265	5·6	260	6·0	255	5·2	255	4·8	255	5·0	260	5·1	260	4·8	260	5·6	265	6·0	260	6·5	265	6·6	265	7·0
3	250	6·4	250	7·0	255	6·7	260	6·9	260	7·4	260	8·0	260	8·5	265	9·4	265	8·4	260	7·6	265	8·0	265	8·2
4	265	6·1	235	4·9	245	5·6	245	5·4	240	5·4	240	5·1	230	4·5	230	4·9	240	5·5	240	5·8	240	5·9	235	5·9
5	260	6·1	245	5·4	230	4·9	230	5·1	230	5·8	225	5·4	220	4·8	220	6·5	210	5·9	200	4·3	210	6·9	225	7·2
6	215	9·7	215	9·5	220	8·7	225	8·9	225	9·1	230	8·8	230	8·5	230	8·5	225	8·6	220	9·5	220	10·0	220	10·7
7	265	4·7	265	4·2	255	3·3	265	4·3	265	4·9	250	3·8	240	2·9	230	3·2	230	3·3	230	4·0	225	5·1	220	3·4
8	230	1·1	250	0·6	265	0·8	275	(0·7)	280	(0·7)	260	(1·0)	240	2·1	240	2·0	240	1·7	235	1·6	250	1·9	240	1·7
9	210	0·8	235	0·5	315	0·5	350	0·4	345	0·4	15	0·1	50	0·5	300	0·1	340	0·1	150	0·1	215	0·8	175	3·1
10	190	10·9	190	10·6	190	11·7	195	11·1	195	11·5	190	11·5	190	10·9	190	10·4	190	9·9	185	9·9	185	9·1	185	8·5
11	220	4·6	200	3·9	200	5·8	200	(5·0)	190	(5·0)	195	(5·7)	190	5·0	190	4·8	200	4·0	210	4·7	195	4·6	195	4·8
12	200	2·2	220	2·4	225	3·0	240	2·5	220	2·4	225	3·1	230	2·5	240	2·5	235	1·5	240	1·3	225	1·5	220	3·0
13	185	9·5	190	10·1	190	9·0	190	9·5	190	10·2	195	10·3	200	10·0	200	8·9	200	9·4	210	8·3	230	6·7	220	6·4
14	245	5·0	245	3·5	230	4·0	230	4·0	225	3·6	210	2·9	215	4·3	205	3·5	190	2·4	180	3·0	190	4·8	200	7·6
15	195	9·4	195	10·0	195	10·1	215	10·7	210	8·2	220	7·0	220	6·0	225	5·6	230	5·4	225	5·9	240	(6·6)	230	(6·2)
16	210	6·5	205	6·6	200	7·4	210	8·2	210	6·5	210	6·1	205	6·7	205	5·5	205	5·7	205	7·6	210	7·8	210	9·0
17	200	9·8	210	9·5	210	10·0	240	9·5	240	7·0	240	[illegible]	235	7·5	235	7·9	245	6·1	250	5·5	250	6·1	260	5·2
18	230	6·8	220	6·9	225	7·2	225	7·3	225	7·8	220	6·8	220	6·6	220	5·5	220	5·5	220	6·1	215	6·0	215	5·0
19	220	4·8	230	4·0	215	3·0	200	3·0	240	2·0	245	3·0	240	2·5	220	1·4	200	2·3	200	2·3	230	3·0	235	2·6
20	---	0·0	---	0·0	---	0·0	---	0·0	230	(0·5)	250	(0·8)	220	(0·5)	205	(0·5)	225	(0·5)	215	0·5	195	2·0	190	1·9
21	110	0·1	---	0·0	360	0·1	295	0·1	310	0·1	290	0·1	335	0·2	10	0·1	60	0·5	90	0·5	360	0·5	245	0·5
22	210	1·2	180	2·0	180	2·1	190	2·5	205	2·9	200	2·4	200	2·6	210	2·2	190	2·5	175	3·1	205	4·0	210	2·9
23	175	0·1	200	0·1	---	0·0	---	0·0	105	0·5	135	1·0	160	1·6	150	1·3	170	1·6	160	1·4	160	2·0	150	1·9
24	80	3·0	65	3·0	70	3·3	75	2·0	85	2·5	65	3·4	80	4·0	85	3·2	95	2·9	110	2·4	150	5·1	165	4·6
25	185	1·5	180	0·1	310	0·2	315	0·1	215	0·5	330	0·5	305	0·6	210	1·2	255	0·8	280	0·5	280	1·1	270	1·0
26	45	3·5	15	3·4	10	3·4	30	2·5	50	2·5	50	2·0	50	3·0	45	3·4	40	3·1	25	2·7	40	3·7	35	3·1
27	90	3·4	85	4·0	105	2·4	60	2·9	20	3·5	60	4·0	80	4·9	60	4·0	70	3·4	90	5·0	100	4·7	105	3·6
28	125	3·4	155	2·6	175	2·5	175	2·5	175	2·1	175	2·5	20	1·0	145	1·1	170	1·2	200	2·0	200	2·1	210	(1·9)
29	270	2·8	255	2·1	265	2·2	280	2·9	295	2·3	295	2·7	280	2·5	280	2·0	245	2·0	235	2·1	220	3·6	225	4·0
30	225	1·5	240	0·2	225	0·3	220	1·0	245	0·8	245	0·4	235	0·6	255	0·1	245	0·2	225	1·3	245	1·3	250	1·0
31	5	2·1	5	2·4	40	2·0	140	1·1	260	0·5	220	0·1	180	0·1	350	0·5	150	0·2	340	0·5	335	1·5	10	2·6
Mean.	---	4·3	---	4·1	---	4·0	---	4·0	---	3·9	---	3·9	---	4·0	---	3·9	---	3·7	---	3·9	---	4·5	---	4·5

512. Richmond (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	335	1·0	325	0·5	280	1·0	265	1·0	235	1·2	230	1·5	240	1·6	270	1·8	300	2·0	270	2·1	250	2·0	240	2·3
2	330	0·6	330	1·4	320	1·0	275	0·8	360	2·1	5	3·4	10	3·9	10	3·0	20	3·0	25	3·1	10	3·4	5	3·6
3	340	2·1	340	2·9	330	1·1	335	1·0	260	0·6	235	0·7	230	0·8	220	1·2	210	1·5	210	1·0	230	1·2	235	0·5
4	280	0·5	230	0·8	240	0·2	280	0·2	290	0·2	225	0·8	140	0·1	360	0·1	310	0·1	340	0·3	250	0·1	240	1·0
5	235	1·3	235	0·9	270	0·4	25	1·4	55	3·4	35	3·9	30	4·0	25	3·6	45	4·0	40	4·3	20	2·0	25	2·9
6	50	2·5	75	2·6	90	3·9	100	3·4	110	2·0	50	1·1	25	1·9	25	2·0	65	2·6	95	4·6	100	4·7	110	3·7
7	335	0·6	10	0·6	40	0·1	250	0·2	230	0·1	225	0·3	225	0·5	245	0·2	240	0·9	255	0·7	250	1·5	250	1·5
8	280	0·9	250	0·7	360	2·1	335	1·0	280	0·8	230	0·5	225	1·0	255	1·5	265	1·6	275	2·0	270	2·4	270	2·4
9	335	3·6	345	3·4	360	3·9	360	4·1	360	4·0	360	4·1	15	5·0	15	6·6	25	6·5	25	7·5	35	9·3	45	8·7
10	50	6·0	65	6·6	60	8·5	60	8·5	55	9·0	55	8·6	50	9·8	50	11·1	60	9·6	75	9·8	55	8·7	60	8·5
11	60	8·9	50	9·0	50	9·2	60	8·6	50	7·0	45	6·0	35	6·0	30	6·6	40	7·1	45	7·1	45	6·5	50	6·2
12	360	4·3	5	3·8	5	5·2	15	4·2	30	5·2	40	5·0	30	6·5	30	5·4	20	4·3	45	7·0	60	6·5	60	6·9
13	40	3·5	25	2·6	30	1·5	20	3·0	5	3·0	360	1·7	330	1·0	355	1·1	280	0·7	280	0·3	330	1·6	360	4·1
14	360	(0·7)	360	(1·7)	10	(2·5)	5	(2·3)	15	(3·0)	5	(4·4)	20	(3·3)	10	(3·9)	15	(4·3)	15	(4·7)	25	4·6	45	4·9
15	10	4·2	10	4·1	5	4·9	5	4·5	10	4·5	20	2·0	20	3·0	10	3·5	350	2·8	345	2·7	360	3·1	360	4·4
16	340	2·9	340	2·0	350	2·4	350	3·2	345	2·6	355	3·2	5	3·7	20	3·1	10	3·5	25	3·6	35	4·5	35	4·5
17	10	2·0	10	2·6	30	3·0	20	3·0	20	3·0	15	2·5	20	2·3	40	2·1	30	3·0	30	3·1	15	2·0	10	1·8
18	80	6·0	95	4·9	90	4·5	90	3·6	75	3·0	60	3·0	60	3·0	60	2·1	45	1·5	70	1·6	70	3·0	70	3·6
19	20	2·1	355	2·0	10	2·5	5	2·0	5	2·3	35	2·6	40	3·9	35	3·6	45	3·5	25	3·7	40	4·8	35	5·0
20	10	3·2	25	5·0	35	6·2	35	6·0	25	5·5	20	4·8	10	4·0	30	5·5	15	3·6	35	5·4	45	7·1	50	7·1
21	15	3·1	15	3·6	10	3·4	5	3·6	10	3·5	15	3·0	5	1·6	360	1·6	340	0·5	355	1·7	5	4·6	355	3·5
22	320	(2·4)	315	(2·1)	310	(1·7)	255	(1·7)	255	(1·6)	260	(1·0)	320	(2·2)	330	(2·6)	330	(2·5)	350	(3·8)	360	5·4	360	5·4
23	335	2·0	335	2·3	330	2·7	335	3·1	325	2·5	330	2·9	320	2·5	330	3·0	330	3·0	345	3·5	355	4·0	360	4·8
24	305	3·6	310	3·9	305	4·0	320	5·0	320	4·2	355	6·2	355	4·8	360	5·5	345	3·6	15	4·0	40	5·5	60	7·2
25	70	3·9	60	6·0	60	6·7	55	5·5	45	5·1	50	4·9	45	5·0	40	4·8	45	5·1	50	6·9	50	4·6	55	5·1
26	5	2·6	5	2·5	5	2·5	25	4·0	20	2·9	30	2·6	5	1·3	25	1·8	45	2·5	45	2·7	50	3·2	50	2·3
27	35	3·0	40	5·0	20	4·7	20	4·6	25	6·0	20	5·1	35	5·1	25	5·0	35	6·0	40	8·1	45	7·7	60	8·7
28	55	7·9	60	8·1	55	9·3	60	10·3	60	11·0	65	10·5	75	10·9	70	10·0	65	10·0	60	10·6	75	9·9	80	10·6
29	75	10·8	80	10·6	75	10·6	75	10·8	80	10·7	80	10·7	80	10·4	80	11·2	80	11·3	80	11·3	85	10·9	75	9·5
Mean.	---	3·3	---	3·5	---	3·8	---	3·8	---	3·8	---	3·7	---	3·8	---	3·9	---	3·8	---	4·4	---	4·6	---	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	

Averages for periods of sixty minutes, centred at Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 23 metres.

January, 1932.

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	
215	6·4	215	5·6	225	5·4	220	5·0	220	5·5	225	5·8	225	5·8	225	5·1	235	5·6	245	5·9	255	5·0	265	5·0	4·0	1
250	7·1	255	6·6	245	6·5	250	6·5	245	6·3	250	6·1	245	5·7	260	5·9	260	6·5	260	6·0	255	5·9	255	6·9	6·0	2
260	8·4	260	7·5	265	7·5	265	7·2	265	7·0	265	7·8	260	7·8	265	8·0	265	7·5	260	7·5	260	6·5	260	7·0	7·6	3
230	7·1	235	6·4	230	6·7	225	7·5	220	7·4	220	7·2	220	8·5	205	9·5	205	9·2	200	8·0	205	9·0	240	7·4	6·6	4
225	8·9	220	10·2	220	9·7	220	9·6	220	9·6	220	9·6	220	11·0	220	12·1	215	10·7	215	10·8	215	10·6	215	10·5	8·0	5
220	11·7	220	12·2	220	11·9	220	11·1	220	11·4	230	11·8	250	12·3	250	9·5	250	8·2	255	6·8	285	5·2	270	4·3	9·5	6
235	2·3	260	2·9	260	3·2	280	1·3	240	1·4	225	2·0	230	2·5	240	2·5	230	1·9	230	1·4	230	0·6	220	1·2	2·9	7
240	1·5	250	1·4	270	1·1	280	1·6	290	0·8	255	(0·1)	215	(0·3)	200	2·0	210	1·6	225	1·0	215	1·4	225	0·9	1·2	8
185	5·5	180	5·1	180	5·9	180	6·9	180	8·1	175	8·2	180	8·6	180	9·0	185	9·3	190	9·9	190	10·0	190	10·5	4·3	9
180	8·0	180	8·9	175	8·9	175	8·9	170	8·2	180	10·0	185	9·9	190	9·7	190	7·9	195	5·6	195	5·2	195	4·9	9·3	10
200	5·0	195	5·0	190	4·2	180	3·0	185	3·5	185	4·0	195	3·6	200	3·0	205	2·5	205	1·0	210	0·9	205	1·1	3·9	11
200	4·6	210	5·2	205	5·9	195	5·0	190	4·9	180	5·4	180	6·0	180	7·0	185	7·2	190	7·1	185	7·2	185	7·6	4·2	12
230	6·8	230	6·7	220	5·5	215	7·1	220	7·4	220	7·6	220	7·8	225	6·9	240	6·5	235	5·1	235	5·2	240	5·2	7·8	13
200	8·5	200	9·0	195	7·5	200	6·5	185	6·0	185	6·0	186	6·7	185	5·9	185	8·0	190	9·0	195	9·0	190	9·9	6·7	14
235	(5·6)	240	5·8	235	5·2	225	4·8	200	4·6	200	4·3	200	4·1	200	5·4	205	6·2	195	5·0	190	3·6	195	4·1	6·2	15
210	8·5	210	9·4	210	9·2	210	8·9	210	10·0	205	9·6	200	9·8	205	9·9	200	9·7	205	9·9	205	9·8	195	9·5	8·2	16
245	5·0	250	4·8	250	5·0	240	4·9	225	4·0	210	3·6	205	3·8	200	3·9	205	3·9	205	4·1	215	4·1	225	6·0	6·0	17
220	4·8	225	5·9	225	5·6	225	5·0	220	4·7	210	4·5	205	4·5	200	4·6	190	3·9	200	3·5	215	4·5	225	4·6	5·6	18
250	2·5	250	2·7	250	2·0	250	(1·0)	260	(1·0)	50	(0·5)	185	(0·8)	185	(1·0)	190	(1·0)	185	(0·5)	360	(0·1)	---	0·0	1·9	19
185	1·3	170	2·0	170	2·3	140	1·4	155	0·9	175	3·5	200	1·7	205	0·5	160	0·6	235	0·5	190	0·5	155	0·5	1·0	20
180	1·6	195	2·4	175	2·5	195	3·5	200	2·8	190	1·5	210	2·3	200	0·6	195	1·0	170	1·4	210	2·0	195	1·5	1·1	21
220	2·5	230	3·7	215	2·5	190	1·6	175	1·5	180	1·5	210	1·0	170	1·4	135	0·3	140	0·2	175	0·2	---	0·0	1·9	22
140	2·0	135	1·7	155	2·0	160	1·6	160	1·8	135	2·0	115	3·0	105	2·1	100	2·0	95	3·0	85	4·5	85	3·9	1·7	23
175	4·5	180	3·5	185	3·6	185	3·5	185	3·7	180	2·9	180	3·5	190	2·5	235	1·5	295	0·5	270	0·1	190	1·1	2·9	24
225	1·2	255	1·0	225	1·0	205	1·1	220	0·5	255	0·4	10	2·1	35	2·5	15	2·3	15	3·0	20	3·6	35	2·6	1·2	25
35	3·4	40	3·0	65	3·3	90	5·2	80	4·2	85	3·7	80	4·5	75	3·5	90	3·1	100	2·6	95	3·4	95	3·5	3·3	26
115	4·5	90	4·0	90	3·5	85	3·9	105	2·7	100	2·2	80	3·8	100	2·7	85	3·6	85	3·9	110	3·5	115	3·0	3·6	27
245	(1·7)	270	2·1	360	0·9	150	0·1	260	0·6	240	2·0	230	3·1	240	3·0	265	2·4	260	2·0	260	2·1	265	2·8	2·0	28
225	3·5	225	3·8	225	4·2	235	3·5	235	2·9	230	2·9	230	2·5	225	3·0	225	2·5	230	2·0	225	2·1	225	1·6	2·7	29
250	1·0	245	0·5	320	0·7	10	2·6	25	3·0	40	3·7	50	2·2	35	2·7	50	2·6	10	2·0	360	2·1	10	1·9	1·4	30
5	2·4	360	1·5	340	1·4	360	2·1	15	2·0	15	3·0	10	2·3	20	2·4	10	2·5	20	1·8	355	1·4	315	1·0	1·6	31
---	4·8	---	4·9	---	4·7	---	4·6	---	4·5	---	4·6	---	4·9	---	4·8	---	4·6	---	4·2	---	4·2	---	4·2	4·3	

February, 1932.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
260	1·5	280	1·3	270	0·3	210	0·8	195	1·4	200	1·5	205	1·3	210	1·4	230	0·9	225	0·9	255	0·7	290	0·5	1·3	1
360	3·5	10	4·1	15	3·7	5	3·5	5	2·4	325	1·4	315	1·3	310	1·9	315	1·7	320	2·5	320	2·7	340	2·5	2·5	2
215	1·4	220	1·9	230	2·6	250	2·6	260	1·7	290	0·5	300	0·3	235	0·4	210	0·9	220	0·5	230	0·2	210	0·6	1·2	3
250	1·0	240	0·5	315	0·1	20	2·1	10	1·0	5	0·5	310	0·2	235	0·9	250	1·5	240	0·5	220	1·0	210	0·6	0·6	4
25	2·5	30	2·0	30	3·4	20	2·5	5	3·1	360	2·9	360	2·9	20	2·8	30	2·6	35	2·5	45	2·8	45	2·8	2·7	5
75	3·2	85	3·5	65	3·8	70	8·0	80	3·1	115	3·6	95	3·1	95	3·4	95	2·6	55	1·1	25	1·3	335	0·9	2·8	6
240	1·0	230	0·9	260	0·6	15	1·3	20	2·0	20	3·1	25	2·6	20	2·5	360	1·3	310	0·5	325	1·0	345	1·4	1·1	7
265	2·4	265	2·4	330	2·1	335	2·6	330	1·7	320	1·7	305	2·6	300	2·1	310	2·5	335	2·8	325	2·6	330	3·3	1·9	8
40	8·0	45	8·0	40	8·0	45	6·4	35	5·8	45	5·9	50	7·2	50	7·3	50	7·1	35	5·2	20	4·5	25	4·9	6·0	9
60	9·1	55	10·7	55	11·5	50	11·6	50	9·9	50	10·2	50	10·4	55	8·9	55	8·0	55	8·9	55	9·9	60	9·6	9·3	10
50	6·4	40	6·5	50	6·0	60	6·4	45	5·5	40	4·6	35	4·8	30	5·2	20	4·3	10	3·1	10	3·0	5	4·1	6·2	11
65	9·5	80	8·2	70	9·2	75	7·7	65	7·5	55	6·5	50	5·3	30	4·8	30	4·7	35	4·2	30	4·0	30	3·5	5·8	12
360	2·5	360	(3·9)	5	(3·9)	360	(3·3)	5	(2·3)	5	(1·9)	5	(1·9)	5	(0·9)	345	(1·4)	360	(2·4)	5	(2·4)	10	(2·3)	2·2	13
40	6·1	50	6·6	30	5·5	40	5·2	15	4·1	360	3·8	10	5·1	15	4·4	10	4·1	5	4·1	360	4·4	360	4·9	4·1	14
360	4·2	5	5·0	5	5·6	360	4·0	360	4·0	10	3·6	360	3·0	360	2·8	355	2·9	350	2·5	345	3·0	340	2·5	3·6	15
40	4·6	30	4·9	40	5·1	50	4·1	30	3·2	25	3·0	20	3·3	20	3·1	30	2·6	30	2·6	20	2·6	5	1·8	3·3	16
35	4·0	50	5·3	50	4·8	50	4·9	45	4·5	50	5·0	65	5·1	60	5·0	75	5·1	75	5·0	80	6·2	85	6·9	3·8	17
75	4·0	70	4·0	90	5·1	90	5·2	80	4·3	80	4·7	75	4·5	75	4·7	80	4·1	60	3·0	55	2·5	35	2·6	3·7	18
45	6·7	50	6·7	55	7·0	55	5·5	40	5·2	30	4·4	25	3·8	20	3·5	20	4·4	20	4·1	20	3·4	5	3·2	4·0	19
50	7·4	50	7·5	45	7·0	30	6·5	30	6·7	25	5·4	20	4·6	20	4·9	30	4·6	25	3·4	5	3·0	5	3·0	5·3	20
335	3·1	335	(5·4)	330	(5·7)	305	(4·1)	295	(3·8)	285	(3·5)	285	(3·4)	280	(1·8)	310	(3·5)	315	(3·7)	305	(3·5)	305	(2·4)	3·2	21
360	5·4	10	6·1	355	6·3	355	5·5	350	3·9	350	3·0	360	3·3	360	3·0	355	2·5	350	2·0	340	2·1	335	2·0	3·2	22
5	4·9	5	4·9	5	4·6	5	5·0	360	3·3	355	3·5	335	3·0	320	2·2	285	2·0	280	1·8	305	2·9	310	3·5	3·2	23
50	7·9	50	7·4	55	6·6	50	6·8	40	7·5	35	7·0	65	6·6	55	6·0	60	6·9	70	6·5	60	6·6	65	5·9	5·8	24
45	5·2	35	5·6	25	5·1	25	4·5	30	3·6	30	2·9	355	1·9	5	1·9	10	2·1	20	3·5	20	3·0	10	2·8	4·4	25
40	1·0	25	2·0	35	2·2	35	3·3	30	4·0	30	4·0	45	4·0	45	4·1	50	4·9	55	4·5	40	4·8	40	3·7	3·1	26
60	9·4	55	9·8	75	10·2	75	9·4	70	7·2	55	8·0	50	8·7	50	9·6	60	9·6	50	9·3	55	9·3	45	8·2	7·4	27
70	10·2	70	11·5	70	11·5	65	12·0	65	11·1	65	10·6	65	10·0	60	10·4	65	11·0	75	10·3	75	10·5	75	10·7	10·4	28
80	9·9	70	10·3	75	11·4	75	10·9	70	11·1	75	10·4	60	8·8	60	7·0	55	5·4	70	5·9	75	6·4	75	7·2	9·7	29
---	5·0	---	5·4	---	5·5	---	5·2	---	4·7	---	4·4	---	4·2	---	4·0	---	4·0	---	3·7	---	3·8	---	3·7	4·2	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

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

513. Richmond (Kew Observatory): H_a (height of vane of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	75	7·0	70	6·5	65	5·6	65	5·6	70	6·4	75	7·6	70	8·0	70	8·5	80	10·0	80	11·7	80	11·3	80	10·7
2	45	3·6	45	3·6	40	2·9	45	2·6	50	2·6	45	2·4	35	1·6	45	1·5	30	1·0	20	0·6	60	0·8	60	2·2
3	30	1·5	20	2·0	25	2·8	45	3·1	45	2·6	40	2·0	45	2·0	30	2·0	35	3·0	30	3·6	35	3·9	55	3·6
4	5	2·2	5	2·4	360	3·2	5	3·6	345	2·4	355	2·6	5	3·4	5	3·4	5	4·0	10	5·0	20	5·1	15	4·8
5	35	2·5	45	2·6	330	1·1	330	0·3	---	0·0	220	0·2	235	0·8	230	0·2	225	0·1	210	0·6	(215)	2·6	(220)	5·2
6	(230)	4·6	(235)	4·3	(270)	2·9	(260)	3·2	(265)	3·6	(265)	3·6	(250)	3·6	(250)	3·2	(260)	3·2	(275)	5·2	(280)	6·3	(280)	6·4
7	(270)	3·7	(280)	3·7	(280)	3·5	(270)	3·5	(270)	2·5	(230)	2·5	(245)	3·0	(230)	2·5	(270)	3·5	(290)	5·9	(300)	7·3	(305)	7·0
8	(255)	7·1	(255)	7·3	(260)	8·1	(260)	7·6	(260)	7·0	(260)	7·0	(260)	6·6	(290)	6·2	(340)	4·8	(310)	2·9	(310)	3·6	(315)	3·4
9	(300)	1·1	(310)	0·2	(15)	1·5	(25)	2·0	(15)	1·1	(10)	1·9	(20)	1·7	(15)	2·5	(15)	4·0	(25)	4·4	(15)	5·9	(25)	5·6
10	300	0·8	300	0·6	310	1·0	305	0·6	235	1·2	215	1·5	220	2·1	230	2·1	245	2·6	260	3·0	265	2·3	275	3·2
11	280	1·1	275	1·2	310	1·2	280	0·9	285	1·0	295	0·6	5	1·9	330	0·7	325	2·2	360	2·9	355	3·6	355	4·1
12	40	4·9	40	5·6	45	5·4	50	4·5	40	4·8	40	4·0	25	3·4	30	3·4	50	5·5	60	7·2	55	5·6	50	5·5
13	220	0·4	220	0·2	250	0·5	235	0·7	230	0·8	235	0·9	235	1·5	235	0·5	220	(0·2)	240	(0·2)	25	0·6	90	0·9
14	340	1·1	350	0·9	40	0·5	---	0·0	60	0·2	30	0·5	230	1·0	315	0·3	345	1·0	50	1·0	150	0·7	90	3·2
15	55	0·3	95	0·8	100	0·8	55	2·4	60	2·8	90	4·6	90	4·7	80	5·5	70	5·3	75	5·0	90	5·1	95	6·3
16	25	3·0	30	2·6	50	3·7	45	4·0	45	4·2	45	5·0	50	4·9	35	4·5	40	4·8	50	5·1	25	5·4	25	4·0
17	40	4·5	35	4·1	30	4·4	40	4·6	50	6·0	50	5·3	35	4·9	30	4·0	45	5·3	45	5·2	35	6·4	45	6·6
18	[illegible]	3·7	5	3·8	350	2·9	345	2·9	340	2·0	310	1·6	340	2·4	340	4·0	345	3·7	350	4·7	360	5·1	360	5·8
19	220	0·6	210	1·1	245	1·5	225	1·2	210	1·3	220	0·9	240	0·2	240	0·4	235	0·7	220	1·3	285	2·4	285	3·0
20	230	1·1	240	0·6	240	0·4	245	0·8	240	0·9	230	1·5	210	1·2	230	0·5	240	0·9	260	2·0	285	3·0	275	2·9
21	215	2·2	215	1·9	230	2·3	230	2·1	220	2·1	215	1·7	210	1·3	210	1·7	225	1·8	210	2·1	220	3·3	235	4·1
22	175	1·2	175	1·5	160	0·8	145	0·6	145	1·2	135	1·4	140	2·4	160	2·3	150	3·1	200	2·9	180	3·7	170	4·3
23	250	1·0	270	1·2	265	0·9	260	1·2	240	0·8	220	1·2	235	1·5	230	0·8	205	0·5	255	0·9	310	1·2	305	1·4
24	90	4·0	90	3·6	95	2·4	105	1·9	120	2·3	150	1·6	210	1·1	215	0·7	115	0·9	120	2·2	110	2·5	125	3·4
25	155	3·5	145	2·5	125	2·3	95	1·5	100	1·6	100	1·9	105	1·8	125	3·5	160	6·6	145	7·2	150	8·5	150	8·1
26	95	6·1	90	5·7	85	5·4	90	6·5	80	6·4	80	6·2	85	7·1	85	8·0	90	7·3	90	6·5	85	6·4	80	7·1
27	165	2·2	185	3·4	225	3·5	225	2·7	215	3·7	205	3·9	205	5·3	200	5·5	175	4·4	180	7·0	180	7·4	185	8·1
28	225	10·3	220	8·7	220	8·0	220	7·9	215	7·1	210	7·8	215	8·1	210	8·9	215	9·7	215	10·3	220	10·2	220	10·5
29	200	4·9	205	4·7	210	5·5	215	6·4	225	5·6	220	5·9	215	5·8	225	6·0	235	7·4	225	7·5	225	7·8	220	7·6
30	195	9·9	195	10·0	190	11·8	190	12·4	190	12·2	200	12·0	210	9·2	200	8·1	210	7·5	215	9·4	225	9·0	220	9·8
31	205	4·9	205	5·1	205	5·8	195	5·1	200	4·8	210	4·6	220	5·0	220	5·2	220	4·9	225	5·5	230	5·6	210	7·5
Mean.	---	3·4	---	3·3	---	3·3	---	3·3	---	3·3	---	3·4	---	3·5	---	3·4	---	3·9	---	4·5	---	4·9	---	5·4

514. Richmond (Kew Observatory): H_a = 5 metres + 23 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	15	5·0	15	4·9	20	4·6	40	4·5	35	3·7	20	4·5	15	3·7	20	3·1	40	3·3	45	4·0	90	3·0	125	3·3
2	210	5·5	215	4·5	225	3·8	235	4·4	230	5·3	235	5·7	235	5·6	250	6·0	270	6·6	270	7·0	275	7·3	280	7·0
3	180	0·9	180	0·4	60	0·2	85	1·2	70	0·9	90	1·5	90	2·0	80	2·2	75	2·3	120	1·2	210	0·8	280	0·9
4	65	1·0	50	2·2	40	2·9	55	2·5	90	3·5	95	3·2	130	2·2	200	3·5	200	3·9	205	5·0	230	4·0	230	5·8
5	5	5·7	10	5·5	5	3·7	355	4·8	355	6·1	350	6·3	360	6·0	10	5·6	15	6·0	5	6·4	5	6·9	360	6·7
6	265	3·5	260	4·2	260	4·5	270	5·2	260	5·4	255	4·7	255	5·2	255	5·5	250	5·6	250	6·1	250	7·6	255	8·6
7	240	7·6	250	7·6	240	7·4	250	7·2	260	8·0	260	8·9	275	9·6	275	7·5	275	10·2	275	10·5	270	10·0	270	10·6
8	270	7·3	270	7·7	275	7·8	275	8·1	280	8·3	280	8·9	285	8·5	295	8·3	305	8·6	305	9·0	305	7·2	305	8·0
9	215	2·8	210	3·0	205	2·7	195	2·5	195	2·5	205	4·3	195	4·6	195	5·5	205	7·8	205	9·0	210	8·3	220	8·3
10	220	10·0	220	10·0	220	11·7	215	12·0	215	11·7	215	12·4	215	11·8	250	7·4	230	6·3	230	7·5	230	7·6	245	7·8
11	250	2·6	255	2·6	250	3·0	250	2·8	245	3·1	240	3·0	230	3·1	230	3·7	235	5·2	225	6·3	250	5·4	270	4·8
12	285	4·4	295	4·7	300	4·4	305	4·0	310	3·3	300	3·5	305	3·9	310	6·4	320	8·1	325	8·0	335	7·7	335	7·4
13	290	2·5	295	1·6	255	1·7	235	2·2	245	2·6	235	2·6	230	2·1	255	2·1	285	1·9	315	3·2	300	3·2	300	2·7
14	215	4·3	190	5·2	185	5·4	185	6·3	185	7·0	190	7·1	190	7·7	190	8·6	190	8·1	190	7·6	190	6·7	200	5·2
15	120	2·4	105	1·8	95	2·2	100	2·8	95	2·5	85	3·5	80	3·7	90	3·7	90	4·9	105	6·2	90	5·9	95	6·0
16	40	6·3	35	6·0	35	6·4	30	6·2	30	6·5	25	7·0	35	8·0	35	9·1	40	9·6	35	9·3	40	8·0	40	7·5
17	30	4·8	25	5·5	35	5·9	35	5·7	45	6·2	45	6·5	45	6·4	45	5·6	45	5·6	40	6·8	50	6·7	45	7·2
18	30	6·6	35	6·0	25	6·2	30	6·0	25	5·2	20	5·2	20	5·2	30	6·9	30	7·6	35	7·8	30	7·0	25	7·4
19	355	2·1	340	1·8	325	1·7	340	3·0	340	2·6	330	2·6	335	1·9	340	1·9	345	2·0	285	1·6	275	2·3	295	3·4
20	230	3·3	230	3·0	215	3·5	210	3·4	225	5·0	215	5·5	210	5·8	215	7·1	215	8·7	215	7·0	225	8·8	225	9·8
21	210	4·0	205	3·6	205	3·9	195	3·4	200	3·6	200	4·5	205	5·0	215	7·1	220	9·0	220	8·1	240	4·2	215	9·1
22	230	4·0	235	3·5	235	2·5	225	2·6	225	2·5	230	2·3	235	2·0	240	1·9	240	2·4	240	2·9	245	3·5	225	4·0
23	215	3·6	215	3·5	210	3·5	215	5·2	220	6·0	215	6·2	220	6·5	230	7·0	235	6·5	255	4·8	245	3·4	275	6·8
24	270	4·0	265	4·5	265	4·5	260	4·0	275	4·0	280	3·5	285	3·0	315	4·7	330	4·9	320	4·5	325	5·0	335	4·9
25	290	1·5	300	1·8	290	1·5	295	2·1	260	1·5	250	1·0	270	1·6	260	1·5	260	1·6	270	3·5	295	4·6	295	4·6
26	235	2·0	230	2·0	235	2·1	230	2·4	225	2·6	215	2·4	225	2·7	250	1·5	240	2·9	240	4·9	240	5·0	245	4·8
27	230	4·5	235	3·4	255	2·5	350	1·2	5	1·4	---	0·0	10	1·7	15	0·3	35	1·5	60	1·2	210	1·5	185	2·5
28	140	3·5	150	3·2	160	4·0	155	3·9	155	4·0	140	4·4	140	4·3	140	4·3	155	4·2	170	5·2	180	4·9	190	5·0
29	185	2·1	175	2·0	190	3·4	160	1·9	150	2·4	165	2·8	170	4·0	170	5·2	170	5·0	175	5·3	175	5·6	175	6·2
30	150	3·5	170	4·2	155	4·0	165	2·6	180	4·4	165	3·3	135	2·7	125	4·0	160	6·5	170	7·5	160	7·2	150	9·4
Mean.	---	4·0	---	4·0	---	4·1	---	4·1	---	4·4	---	4·6	---	4·7	---	4·9	---	5·6	---	5·9	---	5·6	---	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	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 23 metres.

March, 1932.

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	
75	10·9	85	10·9	75	10·4	80	9·9	75	10·2	75	8·7	65	6·8	60	6·7	55	5·0	50	4·5	35	3·4	40	3·5	7·9	1
85	3·5	90	4·1	90	3·6	95	3·4	90	4·2	90	4·1	90	3·9	95	2·5	85	2·5	70	2·8	70	2·2	90	1·9	2·7	2
40	5·2	35	5·3	30	4·6	30	4·4	20	4·0	20	4·0	20	5·1	30	5·0	35	4·1	30	3·6	15	3·4	10	2·4	3·5	3
20	5·2	15	5·5	25	6·0	25	5·1	30	4·6	25	5·1	20	3·9	20	3·9	20	2·5	20	3·0	30	3·9	15	2·0	3·9	4
(215)	5·1	(220)	4·9	(230)	5·2	(245)	5·1	(250)	5·1	(245)	4·8	(225)	3·9	(225)	5·2	(220)	5·4	(220)	6·2	(220)	6·0	(230)	5·7	3·3	5
(280)	7·6	(280)	6·7	(280)	5·9	(280)	6·2	(265)	5·8	(265)	5·4	(255)	3·8	(250)	4·0	(240)	4·0	(245)	5·0	(255)	5·6	(250)	4·3	4·8	6
(290)	6·4	(280)	6·4	(265)	6·1	(255)	6·1	(250)	6·5	(245)	6·5	(240)	5·6	(235)	5·7	(235)	6·7	(240)	7·6	(245)	7·7	(250)	7·0	5·3	7
(300)	3·2	(305)	3·5	(295)	3·1	(270)	3·4	(300)	3·5	(300)	3·3	(255)	2·4	(245)	2·0	(245)	2·0	(235)	2·5	(240)	1·5	(270)	1·0	4·3	8
40	4·4	45	3·7	30	3·7	40	4·7	55	4·3	30	4·7	35	5·0	60	3·6	40	1·8	10	1·3	5	2·0	345	1·0	3·0	9
310	4·6	305	4·5	295	4·3	285	3·3	270	4·5	260	2·0	310	3·6	290	2·5	250	1·5	255	0·6	285	1·4	285	1·7	2·3	10
360	3·7	360	4·3	360	5·2	15	5·1	15	5·0	35	5·6	55	6·5	65	7·6	50	7·7	45	6·8	45	5·6	35	5·0	3·7	11
60	4·9	60	4·6	50	3·5	40	2·9	30	2·5	5	2·7	20	2·1	30	1·0	180	0·5	210	1·1	280	0·1	---	0·0	3·6	12
90	1·3	10	1·8	5	1·5	350	0·5	360	1·0	100	0·9	100	1·4	100	1·3	90	1·3	85	0·5	60	0·5	355	0·8	0·8	13
90	4·6	85	4·7	90	4·8	95	3·6	90	3·8	95	3·3	95	3·6	75	4·0	70	3·4	65	2·0	35	1·0	40	0·8	2·1	14
80	6·2	85	6·6	85	5·8	85	7·2	85	6·2	85	5·9	85	6·6	75	6·5	80	6·0	65	4·4	50	4·0	35	3·0	4·7	15
45	5·1	50	5·0	65	5·5	80	5·5	85	5·5	85	5·4	105	4·2	85	5·0	75	6·8	65	4·8	55	6·2	50	5·2	4·8	16
45	6·8	40	6·5	30	6·9	25	6·9	20	7·2	30	6·7	25	6·3	30	6·4	15	4·7	10	4·1	30	6·2	15	4·7	5·6	17
10	5·0	360	4·8	355	4·9	360	4·9	10	4·5	360	3·0	340	2·0	335	1·7	335	1·5	340	1·6	325	0·4	325	0·5	3·2	18
270	2·8	265	4·1	265	3·8	270	3·7	295	3·4	315	2·4	340	2·5	330	1·3	290	0·9	260	1·3	255	0·7	240	1·4	1·8	19
270	2·6	290	1·8	275	1·7	265	2·4	260	2·8	265	2·2	260	1·7	265	1·5	250	1·5	260	1·4	235	0·9	215	1·7	1·6	20
240	4·0	245	4·1	230	4·7	235	3·8	215	2·8	190	3·3	190	3·3	205	3·7	215	4·0	220	3·0	190	2·1	185	2·0	2·8	21
165	4·0	185	4·1	185	3·4	205	2·7	230	2·0	240	1·2	240	1·1	240	0·6	265	0·5	315	0·7	310	0·8	245	0·9	2·0	22
320	2·4	310	3·3	345	3·2	10	1·1	170	0·9	210	0·8	160	1·3	165	2·4	190	1·0	115	1·3	95	0·6	90	0·7	1·3	23
150	3·4	180	2·2	180	2·4	255	2·3	210	2·5	195	3·0	195	2·2	180	2·2	160	2·9	140	0·9	145	1·2	165	4·1	2·3	24
150	7·7	140	8·1	135	7·8	130	7·8	125	7·5	120	5·4	115	5·7	110	5·8	110	5·2	95	5·0	90	5·0	90	5·0	5·2	25
75	6·9	70	6·8	75	6·2	125	4·1	145	2·1	125	0·8	80	0·9	95	1·9	105	1·8	135	2·0	120	1·5	115	1·0	4·8	26
180	7·7	185	8·1	175	8·7	170	8·4	155	8·1	155	8·4	175	9·3	180	9·8	180	7·5	190	8·1	200	10·2	220	10·0	6·7	27
215	10·5	220	10·5	215	10·8	210	10·1	215	10·1	215	8·6	210	6·7	210	5·3	210	5·2	210	5·1	205	5·3	195	4·1	8·3	28
205	7·7	200	7·1	195	6·9	205	7·4	215	8·7	215	9·3	210	8·6	215	9·3	215	9·5	210	9·5	205	9·4	200	10·0	7·4	29
230	9·3	240	7·9	230	9·0	215	8·9	220	8·9	220	7·7	220	6·7	210	5·1	195	4·7	195	5·1	210	5·5	210	5·2	8·6	30
215	6·8	215	7·4	215	7·2	270	4·1	245	3·0	220	3·5	245	1·9	270	2·0	310	3·5	10	6·2	15	6·5	20	6·4	5·1	31
---	5·5	---	5·5	---	5·4	---	5·0	---	4·9	---	4·5	---	4·1	---	4·0	---	3·7	---	3·6	---	3·6	---	3·3	4·1	

April, 1932.

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	3·1	200	3·1	245	2·7	230	3·7	220	4·6	215	6·1	210	5·5	210	5·2	210	5·2	200	6·5	200	7·6	200	7·5	4·5	1
270	6·3	255	4·7	235	4·1	210	4·5	205	4·5	205	3·2	190	2·1	200	1·5	190	1·6	195	1·6	200	0·4	190	1·7	4·4	2
300	0·4	185	0·4	150	1·7	240	0·8	360	0·1	170	0·5	165	0·2	155	0·3	110	0·2	135	0·3	160	0·2	90	0·6	0·8	3
240	5·5	245	4·3	245	4·3	230	4·9	230	5·0	275	4·4	285	3·5	285	2·7	285	1·6	315	0·3	5	3·0	5	5·2	3·5	4
360	6·3	345	6·4	350	6·0	325	5·5	315	5·7	290	5·3	290	4·1	275	2·9	270	3·2	290	5·3	265	5·1	255	4·0	5·4	5
255	9·8	255	9·9	260	10·0	255	8·4	250	7·6	250	8·2	250	8·0	245	7·5	245	8·5	240	8·9	235	9·0	235	8·3	7·1	6
270	10·7	265	10·2	260	11·6	260	10·9	265	10·8	265	10·7	265	10·7	265	7·8	265	6·5	270	7·5	270	8·0	270	8·2	9·1	7
300	7·0	285	6·5	290	8·4	315	8·4	310	7·5	315	6·7	310	5·3	290	2·5	280	2·4	270	1·8	245	1·9	240	2·3	6·6	8
220	8·5	225	8·0	210	10·1	210	9·5	215	8·5	220	9·3	220	9·8	220	9·4	220	8·6	220	8·0	220	8·7	220	9·0	7·0	9
240	7·5	245	8·4	230	8·4	225	7·3	220	8·4	215	8·1	215	7·8	215	7·5	220	6·7	225	5·9	260	5·8	260	3·3	8·4	10
260	3·7	295	4·4	315	9·0	315	10·5	310	5·5	290	4·5	305	5·7	290	5·0	280	5·3	290	5·8	285	4·5	275	3·2	4·7	11
335	7·2	330	6·9	340	7·2	330	5·9	325	6·1	30	4·9	15	3·1	15	4·2	10	3·4	315	1·8	275	2·4	295	2·9	5·1	12
305	3·1	295	2·8	285	2·6	270	3·6	260	3·2	220	3·4	215	5·1	215	5·2	205	4·4	205	4·1	200	4·3	220	5·3	3·1	13
180	3·7	170	5·1	160	5·0	185	5·6	205	3·6	185	4·7	155	3·0	155	2·5	160	3·4	175	3·5	160	4·2	145	3·3	5·3	14
95	6·8	90	8·5	90	10·9	85	11·4	85	10·9	80	9·5	65	9·3	65	9·4	55	8·0	50	7·4	45	6·7	45	6·8	6·3	15
35	7·3	45	7·2	45	6·3	45	7·1	45	6·2	50	7·0	45	6·1	45	5·3	40	5·3	35	4·8	35	5·2	30	4·9	6·8	16
40	7·8	40	7·1	40	7·1	40	7·3	45	7·8	45	7·4	40	8·0	45	8·2	40	8·6	30	7·6	40	7·5	35	7·1	6·9	17
20	6·9	30	5·4	25	6·4	25	7·5	25	6·8	20	7·5	25	6·8	20	6·4	15	5·0	15	3·9	10	3·5	10	3·2	6·1	18
290	3·7	285	3·0	280	2·8	275	2·7	285	4·0	280	2·9	265	2·2	235	2·3	215	2·7	225	3·0	225	3·1	225	3·9	2·6	19
235	7·5	230	6·3	215	6·7	220	7·5	210	7·5	215	6·0	215	6·7	215	5·8	215	5·7	215	3·7	210	3·8	215	3·6	5·9	20
215	10·2	205	9·4	210	9·3	210	9·6	215	10·0	245	6·8	240	5·8	210	5·0	220	4·6	230	3·8	235	3·3	230	3·9	6·1	21
230	4·5	245	4·3	260	4·0	260	4·4	255	4·1	260	2·5	260	2·5	225	3·1	225	4·0	230	3·5	230	3·3	225	3·7	3·3	22
285	6·3	280	5·9	275	6·5	285	6·6	290	6·5	295	6·4	295	5·9	300	4·2	300	1·2	270	2·2	260	3·0	270	3·5	5·1	23
325	3·5	300	3·3	305	3·8	335	3·0	330	2·5	300	2·3	320	1·8	325	1·7	315	1·3	300	1·4	335	2·5	340	2·5	3·4	24
295	4·4	290	3·3	300	3·3	295	3·5	300	3·2	320	4·8	270	0·9	220	2·4	235	1·8	245	1·8	245	1·5	240	1·5	2·5	25
245	4·9	240	5·3	235	6·2	230	6·3	225	7·7	220	8·3	220	7·1	220	6·5	225	6·1	225	6·3	230	5·5	230	4·8	4·6	26
180	3·3	155	2·8	175	3·7	190	6·3	180	5·7	180	5·8	170	4·0	165	3·9	165	4·2	150	4·7	145	4·8	150	4·0	3·1	27
195	4·7	205	6·3	200	6·1	205	7·6	205	7·2	205	6·1	205	6·0	205	4·6	200	4·1	200	1·8	190	3·2	180	4·2	4·7	28
180	6·3	165	6·1	180	6·2	190	4·3	160	5·1	185	4·9	175	3·0	120	1·1	120	2·5	125	2·8	115	2·7	110	1·5	3·9	29
140	10·4	125	9·4	120	8·8	115	8·9	95	8·5	90	9·0	90	9·6	90	8·3	90	5·8	90	5·3	95	5·2	85	4·4	6·4	30
---	6·0	---	5·8	---	6·3	---	6·5	---	6·2	---	5·9	[illegible]	5·3	---	4·7	---	4·4	---	4·2	---	4·3	---	4·3	5·1	

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.

515. Richmond (Kew Observatory):

H_a (height of vane of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	70	3·2	70	2·8	70	2·3	85	1·4	75	2·0	75	2·5	75	2·8	30	2·5	90	3·1	80	3·0	40	3·8	55	4·9
2	90	1·4	130	1·7	200	2·5	210	3·8	200	4·4	225	3·8	235	5·0	255	5·6	250	5·0	245	5·7	255	6·1	265	5·5
3	270	4·2	270	3·9	270	3·9	275	3·3	285	2·9	300	3·0	300	3·2	315	3·6	350	4·6	355	4·1	5	5·2	10	4·9
4	15	9·0	15	8·9	15	8·3	15	8·5	15	8·2	15	8·0	20	8·1	20	7·8	20	7·0	20	7·6	15	6·8	15	7·0
5	325	3·0	330	3·2	335	3·5	345	3·7	345	3·6	340	4·3	345	5·0	345	6·4	350	6·1	350	6·3	355	5·9	355	4·6
6	335	2·1	285	1·0	280	1·2	270	1·8	290	1·9	290	1·7	330	2·2	340	1·7	340	3·3	320	2·4	305	2·0	320	2·7
7	315	0·7	280	0·9	270	1·1	270	1·3	280	0·9	25	1·7	60	0·5	---	0·0	300	0·3	315	0·5	320	1·6	310	1·5
8	205	1·4	210	1·6	220	1·8	245	0·5	235	1·6	235	2·3	235	2·5	240	2·5	240	2·8	235	4·0	235	3·8	225	4·6
9	75	1·6	70	1·6	75	2·5	55	2·6	30	2·8	40	2·8	25	3·9	10	4·0	355	3·6	330	4·4	350	5·5	320	5·4
10	235	1·5	225	1·4	240	1·9	240	2·3	235	2·1	235	1·1	245	1·3	270	1·5	275	1·8	290	3·6	275	4·0	240	4·3
11	230	1·8	205	2·0	210	3·0	230	2·5	135	1·2	115	2·2	115	2·3	175	3·5	190	3·7	220	2·7	250	3·0	270	4·3
12	215	5·4	220	5·1	225	5·0	225	4·5	220	4·6	220	5·1	215	6·0	220	7·8	225	8·7	225	8·2	220	9·7	225	9·0
13	210	5·0	220	5·2	225	5·0	220	5·0	215	4·9	200	4·4	210	5·6	185	6·1	195	5·6	205	7·5	215	7·9	200	6·8
14	235	2·3	245	2·3	235	1·7	240	1·7	225	2·3	225	2·8	240	2·6	210	2·4	220	1·7	245	1·2	200	1·3	340	0·8
15	85	5·0	70	3·8	60	3·4	60	4·0	70	3·8	75	4·2	70	3·2	80	3·0	70	3·3	50	1·7	25	1·2	35	2·7
16	---	0·0	230	1·5	195	2·5	205	3·5	230	3·0	235	2·[illegible]	235	2·6	235	3·0	230	3·1	230	3·8	235	3·0	225	2·9
17	255	2·2	270	1·8	265	1·4	250	2·0	235	1·9	245	1·7	245	1·4	245	1·9	230	2·4	235	2·8	240	2·8	250	4·2
18	180	0·3	115	0·1	65	0·2	80	0·3	90	0·7	95	1·2	115	0·4	165	3·9	175	5·5	180	6·7	185	6·9	190	6·3
19	195	1·4	215	1·2	280	0·4	260	0·7	265	1·2	215	1·5	215	2·2	210	4·0	210	4·8	210	5·4	210	4·2	215	6·8
20	200	2·4	200	1·4	200	0·8	190	0·2	85	0·4	110	0·3	95	1·2	110	1·2	120	2·0	180	3·2	190	4·8	195	5·7
21	360	1·9	360	3·3	45	3·5	60	3·1	80	4·4	85	4·9	80	4·4	95	2·8	155	3·8	190	3·8	190	4·0	200	6·3
22	280	3·7	275	4·3	265	4·9	260	5·4	285	5·5	280	4·5	280	4·3	280	5·0	295	6·5	305	7·0	310	6·8	300	6·6
23	230	3·5	215	2·3	235	2·5	215	3·0	260	3·0	250	2·7	255	3·3	250	3·4	250	4·2	260	3·5	275	2·0	245	3·3
24	25	5·1	25	5·8	25	5·3	35	5·8	40	6·0	35	6·2	40	6·2	30	7·2	40	7·4	20	7·0	20	7·1	20	7·2
25	325	1·8	330	2·5	330	2·5	330	2·4	330	3·2	340	2·6	355	3·3	355	4·2	345	3·5	340	4·8	345	4·4	345	5·0
26	280	0·1	---	0·0	270	0·2	270	0·3	305	0·6	305	0·1	---	0·0	---	0·0	100	1·3	20	2·8	10	3·3	25	4·0
27	340	1·5	295	0·6	275	(1·2)	270	(1·3)	270	(1·0)	240	(1·3)	265	(2·0)	280	2·4	300	3·0	295	3·5	275	2·8	270	2·7
28	235	1·1	230	1·4	230	1·1	245	1·0	240	1·0	235	1·5	220	1·9	220	2·3	210	1·0	210	1·8	230	1·0	320	1·4
29	200	2·8	200	2·3	195	2·8	195	2·5	190	2·5	185	2·3	180	2·8	180	3·8	175	4·1	160	3·3	185	5·5	195	5·2
30	160	2·5	130	1·9	115	2·1	115	2·1	110	1·5	140	1·0	145	1·4	155	2·3	130	2·5	220	1·0	225	0·7	210	2·4
31	225	1·3	225	1·0	220	0·9	240	1·1	270	0·8	280	0·2	270	0·4	230	0·1	320	0·5	25	0·1	200	1·2	180	1·8
Mean.	---	2·6	---	2·5	---	2·6	---	2·6	---	2·7	---	2·7	---	3·0	---	3·4	---	3·7	---	4·0	---	4·1	---	4·5

516. Richmond (Kew Observatory): H_a = 5 metres + 23 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	115	0·4	60	0·8	40	2·2	55	3·0	60	2·9	35	4·7	30	3·5	30	3·5	20	2·3	10	3·1	25	3·9	25	4·3
2	75	4·6	60	4·6	55	4·1	50	4·4	45	4·0	55	3·9	55	4·2	50	3·8	60	3·5	60	4·1	60	5·0	65	5·4
3	20	5·0	20	4·9	20	4·5	20	4·6	20	5·0	20	4·6	30	4·1	25	4·3	20	4·8	20	4·5	55	3·4	45	4·5
4	50	5·7	45	5·4	45	5·4	40	5·6	45	6·6	45	5·7	45	4·8	40	5·3	40	4·5	40	4·8	50	4·0	40	4·6
5	5	2·5	10	1·8	15	2·4	15	2·5	15	3·3	15	3·7	20	3·9	20	4·9	20	5·2	35	5·5	35	5·3	35	5·3
6	355	2·8	345	2·4	345	2·5	345	2·8	350	3·0	360	4·0	360	4·1	360	5·4	10	6·2	10	5·4	10	6·2	5	7·0
7	195	0·7	195	0·1	215	0·7	225	1·0	240	1·2	280	0·9	325	1·4	325	1·5	325	1·5	285	3·2	295	4·8	300	5·0
8	300	0·9	275	0·6	265	1·2	255	1·5	255	1·3	255	2·2	270	2·7	280	2·8	285	3·6	280	3·6	285	3·6	275	3·9
9	240	1·0	245	1·2	230	1·4	225	1·6	230	1·2	240	0·8	240	0·6	240	0·8	245	2·7	265	2·8	240	3·6	235	3·8
10	200	0·1	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	60	0·3	110	1·5	135	2·9	165	3·2	145	2·3	115	3·0
11	60	3·1	50	3·1	60	3·0	60	1·8	70	2·2	70	3·2	50	1·3	90	1·1	70	2·9	75	3·2	145	4·4	180	5·7
12	230	3·1	230	2·1	240	1·1	220	1·5	200	1·6	200	0·8	230	0·8	235	1·4	220	1·3	185	1·1	230	1·5	140	1·4
13	10	1·8	20	4·7	15	5·0	20	4·8	20	3·0	30	4·6	35	5·8	30	6·3	30	6·5	30	6·9	30	6·8	30	6·8
14	35	7·4	35	6·7	35	6·0	35	5·5	35	5·4	35	5·8	35	5·4	40	6·3	40	7·1	35	7·3	45	7·4	55	8·3
15	25	5·6	20	6·0	15	6·1	15	6·2	15	5·4	20	6·1	20	6·1	30	6·4	45	6·5	35	6·4	25	6·4	25	6·8
16	15	5·0	15	5·0	15	4·9	15	4·6	15	4·8	20	4·9	20	4·6	20	4·4	20	4·5	20	4·3	15	4·2	40	5·3
17	45	4·5	30	4·0	25	2·8	10	2·8	15	3·3	15	2·6	25	3·3	25	3·3	25	4·6	25	5·0	20	4·6	20	3·7
18	60	0·2	315	0·1	280	0·1	340	0·7	320	0·5	300	0·1	15	1·9	25	4·5	15	4·6	20	4·6	15	4·8	20	4·8
19	40	4·6	10	2·3	355	1·9	340	2·0	340	1·8	355	2·5	15	3·3	345	4·0	340	3·7	335	3·5	360	4·5	5	4·7
20	15	3·4	10	3·3	10	3·4	5	2·0	10	2·0	360	3·0	10	3·6	15	4·3	360	3·2	360	4·4	10	4·6	10	4·5
21	340	1·1	330	1·5	340	2·5	340	2·0	345	2·5	345	2·5	345	2·5	345	2·2	320	2·6	320	2·7	325	2·6	5	4·7
22	360	1·7	20	1·8	20	2·0	20	2·8	15	2·5	360	3·0	15	3·7	15	3·5	40	3·0	350	2·9	315	2·4	335	3·0
23	220	0·7	220	0·1	200	0·1	---	0·0	210	0·2	---	0·0	45	0·6	50	3·5	70	3·5	80	4·3	85	4·4	80	2·6
24	190	0·3	210	0·1	195	1·2	235	1·2	240	1·8	235	2·0	250	1·6	240	1·4	235	2·0	235	2·8	270	3·6	330	4·2
25	270	1·6	265	1·5	280	1·5	275	1·7	270	2·1	270	2·2	270	2·8	270	3·2	315	4·4	310	5·0	305	5·5	300	5·0
26	230	3·2	230	3·0	230	2·2	225	2·4	225	2·9	230	2·4	245	2·0	240	2·7	225	2·7	230	4·0	235	5·4	240	5·6
27	215	1·1	215	0·6	230	0·2	215	0·1	---	0·0	200	1·8	190	2·1	190	2·0	200	2·5	200	2·5	210	3·5	200	3·6
28	140	1·0	170	2·0	130	0·6	230	3·4	220	4·0	225	6·2	230	7·0	220	7·1	230	6·1	240.	7·2	225	7·8	230	7·4
29	245	2·0	240	1·5	220	2·3	230	2·1	235	1·1	240	1·3	220	0·8	230	0·5	230	2·8	230	3·8	225	5·5	235	5·0
30	170	2·8	165	2·5	125	0·8	165	3·8	180	4·0	180	2·8	190	4·8	205	4·0	175	5·6	185	7·4	185	6·9	180	7·5
Mean.	---	2·6	---	2·5	---	2·4	---	2·6	---	2·7	---	2·9	---	3·1	---	3·5	---	3·9	---	4·3	---	4·6	---	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	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 23 metres.

May, 1932.

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	
70	5·0	75	4·9	115	4·0	105	3·7	90	4·6	95	3·7	95	5·4	75	3·5	20	1·4	15	1·4	325	1·9	310	1·2	3·1	1
250	5·7	240	6·2	245	5·7	240	5·8	240	3·4	240	3·1	265	3·2	275	3·6	270	3·2	265	3·0	265	4·0	265	3·5	4·2	2
10	6·1	15	6·5	15	7·5	20	8·9	20	8·0	20	8·2	20	8·7	20	9·4	15	8·5	15	9·2	15	8·4	15	7·8	6·0	3
15	7·4	20	7·3	15	7·4	15	6·7	15	7·5	15	6·7	20	6·3	15	6·6	15	5·2	10	4·9	360	3·4	340	2·8	7·0	4
355	6·4	5	7·2	355	5·1	335	5·7	10	4·8	350	5·5	350	3·2	310	1·8	295	1·4	310	1·7	315	2·5	325	2·6	4·3	5
345	2·7	355	3·8	335	3·0	335	4·5	335	3·0	25	4·8	15	2·0	20	1·8	10	1·5	5	1·6	340	1·2	310	0·7	2·3	6
220	1·5	280	1·7	250	2·7	270	2·6	250	2·6	230	5·0	230	7·8	225	4·4	280	1·3	240	2·5	220	2·0	205	1·7	1·9	7
230	4·0	230	3·6	225	3·3	225	3·0	220	5·6	210	3·5	210	2·1	195	2·6	185	3·0	180	2·2	130	0·5	75	0·7	2·6	8
340	5·6	330	5·7	310	5·5	290	4·8	290	4·8	285	4·9	295	4·2	305	3·6	285	2·5	280	3·0	280	3·0	265	2·1	3·8	9
270	4·9	270	5·3	280	4·9	275	5·1	280	4·4	280	3·7	275	3·9	265	3·9	250	2·9	230	3·2	225	3·0	225	3·1	3·1	10
280	5·3	275	5·4	275	5·2	270	3·6	240	3·3	235	4·3	220	4·6	215	4·9	220	4·8	220	4·5	220	4·5	215	5·2	3·7	11
215	10·0	220	10·0	225	10·1	220	10·0	225	9·9	235	9·4	220	6·6	225	6·9	220	6·6	210	5·7	205	5·8	205	5·0	7·3	12
205	8·0	215	7·4	220	9·4	230	7·9	235	7·0	230	5·7	240	4·5	240	3·6	225	3·5	225	2·9	235	2·8	240	3·0	5·6	13
155	1·4	160	1·7	105	2·1	145	2·3	130	2·7	130	2·9	95	4·8	85	4·5	75	4·0	70	4·1	80	4·6	80	5·0	2·6	14
25	2·5	70	1·4	350	1·5	305	0·8	320	2·2	355	2·1	70	1·7	70	2·1	100	1·5	100	1·7	105	1·8	105	0·6	2·5	15
215	2·5	210	3·0	255	2·0	265	2·0	260	2·1	275	1·6	250	1·3	230	0·8	205	0·2	255	2·6	270	2·4	260	1·9	2·2	16
260	3·9	245	4·5	255	4·3	240	4·4	230	4·5	230	5·1	235	5·4	230	4·1	220	2·7	210	2·8	215	2·6	205	1·4	3·0	17
195	6·4	190	6·4	195	6·5	190	6·2	210	5·8	190	5·2	190	4·1	200	4·0	225	3·5	235	0·6	205	0·7	195	2·2	3·5	18
205	6·6	210	6·5	215	6·6	210	6·0	195	5·4	190	5·5	190	4·8	190	3·3	180	1·2	210	1·6	225	2·3	215	3·3	3·6	19
190	5·2	205	4·8	200	5·8	190	5·0	190	6·4	185	4·4	185	3·6	185	2·4	175	1·7	70	0·8	60	0·9	325	1·8	2·8	20
195	5·4	235	5·8	270	4·2	255	3·3	265	3·1	290	2·5	320	2·0	310	2·0	305	2·0	295	1·4	285	1·9	275	2·4	3·4	21
290	4·9	270	3·4	255	6·5	275	4·9	285	4·9	240	5·2	235	4·7	270	4·5	270	4·7	265	4·3	245	4·3	245	2·7	5·0	22
275	1·4	220	2·8	200	4·1	195	3·3	210	3·9	230	4·6	245	3·9	360	2·6	25	1·1	15	2·6	35	3·8	25	4·5	3·1	23
20	7·1	15	7·0	20	6·0	20	6·9	15	6·8	15	6·8	10	6·4	15	5·9	15	3·5	15	3·0	360	2·0	340	1·6	5·8	24
345	4·4	335	3·2	355	4·5	355	4·8	355	4·3	350	3·6	350	3·0	340	2·8	330	1·3	330	0·9	330	0·5	295	0·3	3·1	25
20	4·5	25	3·4	20	4·5	20	3·6	10	4·1	10	4·6	15	4·2	10	3·6	5	2·0	335	1·5	325	1·5	335	1·8	2·2	26
295	1·7	265	2·5	265	2·6	265	1·4	260	2·0	260	2·3	265	1·7	255	1·7	250	1·8	220	2·3	225	2·0	235	1·8	2·0	27
280	0·8	215	2·1	205	5·2	210	4·5	230	2·7	225	2·0	230	1·7	220	1·9	215	2·9	210	3·0	205	3·0	210	3·1	2·1	28
185	6·1	190	6·5	180	6·4	185	6·2	190	5·8	180	5·8	175	5·0	160	4·0	165	3·9	165	3·6	155	3·1	160	2·8	4·1	29
190	2·6	205	1·5	275	2·3	325	2·1	355	2·2	255	0·7	250	1·7	240	1·4	215	0·7	225	1·1	225	2·3	225	1·6	1·7	30
125	0·7	60	1·4	170	2·5	10	1·2	50	0·7	240	0·7	190	4·0	190	2·0	190	0·5	---	0·0	30	0·1	65	0·5	1·0	31
---	4·5	---	4·6	---	4·9	---	4·6	---	4·5	---	4·3	---	4·1	---	3·6	---	2·7	---	2·7	---	2·7	---	2·5	3·5	

June, 1932.

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
30	4·3	25	4·5	15	4·2	15	5·0	15	4·4	15	4·7	15	4·8	35	3·1	50	1·0	40	1·5	50	1·9	65	1·9	3·2	1
45	5·8	45	5·0	40	4·8	40	4·7	35	4·0	65	4·0	65	3·3	20	4·6	20	3·6	30	3·3	15	4·4	15	5·0	4·3	2
55	4·8	40	5·3	60	5·5	40	6·5	80	5·7	95	5·8	80	5·4	50	6·2	50	5·9	45	6·2	60	5·3	60	4·8	5·1	3
45	4·9	55	4·0	45	4·6	65	4·0	65	3·9	50	3·3	60	3·6	80	4·3	60	3·0	50	1·5	20	2·6	10	1·8	4·3	4
40	5·6	60	5·0	85	4·0	45	5·4	75	4·9	85	5·1	65	3·9	45	2·8	20	4·2	20	4·9	15	4·8	10	2·9	4·2	5
10	6·6	10	5·4	360	4·4	360	4·0	10	4·7	25	3·0	15	2·2	10	0·6	---	0·0	---	0·0	195	0·3	195	0·7	3·5	6
325	4·9	315	4·0	320	4·6	320	4·3	325	3·8	310	4·1	310	3·0	280	1·6	265	1·2	260	1·5	275	1·6	290	1·0	2·4	7
290	4·5	290	4·8	285	4·7	290	5·0	285	4·0	290	3·5	290	2·1	275	1·3	250	1·6	245	1·5	245	1·7	235	1·2	2·7	8
255	2·6	250	3·7	235	3·7	205	5·2	220	4·9	245	4·1	235	3·0	210	3·8	195	1·4	195	2·0	200	1·4	200	0·5	2·4	9
125	4·8	125	5·3	130	5·5	150	6·0	145	5·5	140	5·0	130	3·1	110	2·5	90	4·0	75	4·8	65	4·5	65	4·0	2·8	10
185	5·9	185	5·4	195	5·0	205	5·0	210	4·1	195	4·0	205	4·8	195	4·9	210	3·6	190	2·7	205	2·7	220	3·2	3·6	11
130	1·4	165	1·2	120	0·9	340	1·5	340	1·1	15	1·3	20	3·2	40	3·9	45	3·0	45	2·0	25	0·1	15	0·3	1·6	12
30	6·9	30	7·1	30	7·0	30	7·3	35	7·0	40	7·1	40	6·9	40	6·8	40	6·8	35	7·5	35	7·8	35	7·1	6·2	13
55	7·0	35	7·3	30	7·5	35	8·5	30	8·5	35	7·9	35	8·6	35	7·5	35	6·6	30	5·7	30	4·9	20	5·0	6·8	14
25	7·4	20	7·3	20	6·5	25	6·9	20	7·2	15	6·8	20	6·6	20	6·5	20	6·0	15	5·4	15	5·2	15	4·7	6·3	15
45	5·4	50	5·8	50	5·8	65	5·7	80	5·9	85	5·9	85	5·7	80	5·7	55	4·6	65	6·5	65	5·2	50	4·8	5·1	16
20	4·6	40	3·8	85	4·4	80	5·0	80	5·2	90	5·5	90	6·3	90	5·8	100	4·0	90	4·4	90	5·1	85	2·0	4·2	17
20	5·3	20	4·4	20	4·3	25	5·5	30	6·0	30	6·2	30	5·8	35	6·0	35	6·3	35	5·5	40	4·8	40	4·3	3·8	18
15	4·4	15	4·5	5	3·2	360	3·5	5	4·0	5	4·6	360	4·7	360	3·5	360	3·7	10	4·8	15	4·5	15	3·8	3·7	19
335	3·9	345	4·6	345	3·9	350	4·9	340	4·4	5	4·5	340	2·3	335	1·8	330	2·0	285	0·4	235	1·4	340	2·0	3·2	20
15	4·7	15	5·2	15	5·0	20	4·9	25	4·4	35	4·3	20	3·5	40	3·3	30	2·4	5	2·0	350	1·2	15	1·7	3·0	21
20	3·5	345	3·0	340	3·0	335	3·3	335	3·4	45	3·3	110	3·5	155	2·5	160	2·3	195	0·8	220	0·6	225	0·4	2·6	22
70	3·1	70	3·7	80	2·2	270	1·1	170	4·5	200	5·0	190	3·0	165	1·5	155	1·1	170	0·8	140	0·2	175	0·2	1·9	23
330	3·2	325	4·5	325	4·3	325	4·2	325	3·9	320	3·6	300	2·8	290	1·2	260	1·0	320	4·4	350	2·8	325	1·2	2·5	24
335	4·9	315	5·2	300	4·8	290	5·1	295	5·0	300	4·5	290	4·8	265	4·0	270	2·8	245	1·6	230	2·0	230	2·3	3·5	25
250	5·5	245	5·2	260	4·4	270	4·4	265	4·2	270	3·4	245	3·9	230	4·5	230	3·6	235	2·5	215	1·1	215	0·7	3·4	26
185	5·2	185	6·1	185	6·1	185	6·2	185	6·4	185	5·4	175	4·6	155	2·0	135	0·4	115	0·3	155	0·8	225	1·4	2·7	27
215	8·8	225	8·9	225	8·8	220	8·4	220	7·8	220	6·9	220	6·2	245	4·0	270	4·4	270	2·8	270	2·7	255	2·0	5·5	28
215	6·5	215	6·1	215	5·9	220	6·6	220	6·5	215	7·3	210	7·0	205	5·8	190	4·8	190	3·8	185	3·5	185	3·0	4·0	29
185	7·5	190	7·6	190	7·2	185	6·5	165	5·5	180	7·0	180	6·8	180	6·4	180	6·4	170	5·4	170	6·5	160	6·5	5·5	30
---	5·1	---	5·1	---	4·9	---	5·2	---	5·0	---	4·9	---	4·5	---	3·9	---	3·4	---	3·2	---	3·1	---	2·7	3·8	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

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

517. Richmond (Kew Observatory): H_a (height of vane of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926

Hour. G. M. T.	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	175	6·9	180	9·0	180	9·1	185	8·6	180	8·8	180	7·7	300	6·7	210	6·9	235	5·5	265	5·5	250	7·0	245	7·7
2	220	5·0	225	4·1	230	3·5	240	4·0	250	3·5	250	4·0	265	4·4	275	3·9	270	5·0	275	4·9	275	5·2	275	5·3
3	220	1·7	220	1·7	225	2·4	215	1·7	205	2·5	210	3·2	200	3·6	225	4·3	210	5·0	220	5·5	210	6·5	200	6·2
4	160	2·5	115	1·1	140	1·7	160	1·2	175	2·5	180	4·4	180	4·4	185	4·2	190	6·2	190	7·8	185	7·8	190	7·2
5	215	0·7	240	0·5	---	0·0	25	0·2	280	0·8	260	0·9	265	1·6	310	1·6	350	1·2	360	0·6	285	2·5	280	1·3
6	240	1·7	250	1·7	250	2·4	260	2·3	255	1·9	255	2·4	265	3·0	275	2·2	265	3·2	245	3·8	250	4·8	245	4·5
7	220	2·0	215	2·5	215	2·2	225	2·1	230	1·9	235	1·5	260	2·5	275	2·0	285	2·0	260	2·8	270	3·2	240	1·8
8	235	1·5	235	1·0	230	1·2	225	1·1	225	1·2	240	1·7	255	1·6	240	1·7	270	1·4	265	1·8	260	2·0	230	3·0
9	220	1·6	225	1·7	235	2·5	230	2·6	235	3·0	255	2·2	265	1·4	280	1·2	315	0·5	305	0·5	260	1·5	265	1·8
10	230	0·5	230	0·1	230	0·2	225	0·1	---	0·0	---	0·0	---	0·0	190	0·1	205	0·3	195	1·5	200	2·0	180	3·1
11	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	---	0·0	60	0·7	80	1·2	130	2·3	125	1·4	155	1·6
12	20	0·7	10	0·1	---	0·0	330	0·4	360	0·9	10	0·3	20	0·5	5	0·8	345	2·0	5	2·0	345	2·2	335	2·0
13	360	1·8	5	2·5	10	1·0	20	3·5	20	2·8	20	2·1	15	2·5	20	2·1	30	1·5	25	2·0	30	2·6	85	2·5
14	215	2·5	240	1·7	255	2·2	240	1·1	360	0·2	185	1·3	195	1·2	225	1·2	235	1·2	235	1·6	245	2·6	265	3·2
15	20	4·3	15	4·6	15	3·7	20	3·3	15	4·3	20	2·8	5	3·7	10	2·3	330	1·6	340	2·6	350	2·4	5	3·2
16	---	0·0	260	0·3	220	0·7	225	0·3	240	0·1	255	0·3	20	0·3	45	0·5	40	0·5	15	0·8	350	1·2	360	0·5
17	45	4·9	25	4·1	20	3·8	10	4·5	10	4·2	5	4·3	10	5·0	10	6·3	10	7·0	10	7·0	10	7·0	10	6·6
18	305	2·1	310	2·0	305	2·1	315	3·0	330	4·7	330	4·9	335	5·0	335	4·2	340	4·0	360	5·7	5	5·2	10	5·6
19	315	1·2	295	0·9	270	0·7	235	1·4	240	1·5	230	2·0	245	2·0	265	2·0	275	2·8	275	3·5	290	3·5	260	3·6
20	230	0·1	205	0·5	220	0·8	235	0·9	235	0·5	230	0·1	215	0·5	205	0·8	240	0·7	210	1·4	220	2·7	265	2·1
21	325	2·9	315	2·3	310	1·3	270	0·3	235	0·8	240	1·4	265	1·3	290	1·5	270	1·2	280	2·4	275	3·0	285	2·7
22	300	0·1	275	0·5	280	0·4	290	0·6	270	0·2	250	0·7	260	1·0	250	2·0	255	2·9	240	4·0	230	4·6	235	5·1
23	320	2·0	320	1·8	330	1·9	355	3·0	360	2·2	360	4·0	360	2·8	5	5·0	355	4·5	5	5·0	360	4·5	355	3·5
24	215	1·7	200	1·9	190	1·0	195	1·5	190	1·5	195	1·8	195	3·5	195	3·7	195	5·4	195	6·9	190	5·2	195	6·2
25	200	3·3	205	2·5	205	3·0	205	3·0	200	3·1	205	2·5	210	2·9	205	2·4	170	0·8	120	1·5	200	4·2	220	4·5
26	240	3·5	225	3·0	225	2·6	225	3·6	220	3·6	220	4·1	220	5·3	225	6·0	225	5·9	240	6·1	240	6·4	245	6·8
27	225	5·5	225	5·0	220	5·0	225	5·0	225	5·0	220	4·8	220	5·3	230	6·1	235	6·2	235	6·9	235	6·5	235	7·5
28	230	4·4	230	3·9	230	4·7	230	4·6	225	4·4	230	3·8	230	4·0	225	5·9	225	6·6	220	7·1	210	6·5	200	7·0
29	230	5·5	220	5·6	220	5·2	225	5·5	225	5·6	225	5·8	230	6·4	230	7·1	230	7·1	230	7·0	230	8·5	230	6·9
30	225	5·8	225	5·0	220	5·4	220	5·5	220	5·2	220	4·9	220	4·9	220	4·2	215	6·5	230	5·3	215	5·5	215	4·4
31	220	2·5	230	1·0	200	0·3	200	1·7	200	3·8	195	4·1	190	4·2	190	4·3	180	4·8	190	4·9	210	6·0	215	6·5
Mean.	---	2·5	---	2·3	---	2·3	---	2·5	---	2·6	---	2·7	---	3·0	---	3·1	---	3·4	---	3·9	---	4·3	---	4·3

518. Richmond (Kew Observatory): H_a = 5 metres + 23 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	230	2·7	215	2·8	215	4·4	210	4·0	220	4·0	220	4·0	225	3·7	220	4·4	230	4·8	225	5·0	225	4·3	235	4·3
2	25	4·0	30	3·5	25	2·3	25	2·9	20	1·7	350	1·1	355	1·5	350	1·6	355	0·8	170	0·5	290	1·0	320	2·6
3	240	2·4	235	2·0	230	1·9	235	1·8	240	2·2	235	2·0	240	3·0	240	2·2	255	2·0	270	2·1	300	2·4	280	1·0
4	265	1·5	245	1·4	235	1·5	235	2·1	220	2·2	225	2·9	225	3·5	240	3·0	245	3·5	245	3·8	230	4·5	240	5·5
5	240	1·5	230	1·0	225	1·6	235	2·1	235	2·1	230	2·5	230	3·1	230	3·2	265	3·0	270	3·5	290	4·0	280	4·2
6	230	2·0	235	1·9	240	2·2	245	1·7	240	1·8	250	2·0	275	2·9	250	3·0	250	3·5	240	3·6	255	5·5	270	5·1
7	275	2·7	270	2·5	240	2·1	235	1·5	245	0·4	255	0·6	275	1·7	315	2·2	320	2·3	320	2·5	305	1·7	335	2·3
8	190	(0·7)	205	(1·5)	230	(1·7)	230	(1·2)	220	(2·3)	255	(0·5)	235	(2·5)	220	4·2	220	4·3	230	4·8	205	3·7	230	4·0
9	235	0·3	235	0·9	245	0·9	250	0·8	260	0·6	260	0·5	270	0·5	290	1·0	280	2·0	275	1·9	255	1·6	275	1·6
10	220	0·2	220	0·2	240	0·1	245	0·2	220	0·1	---	0·0	---	0·0	310	0·2	205	1·0	165	4·6	200	4·7	195	5·0
11	---	0·0	110	0·5	100	0·9	---	0·0	---	0·0	40	0·1	60	0·2	75	1·8	85	2·5	100	2·2	110	2·4	145	4·8
12	80	0·1	60	0·1	330	0·5	210	0·1	40	0·6	255	2·7	290	2·2	110	0·2	210	1·5	235	3·5	200	2·1	210	4·8
13	210	3·0	215	2·6	225	3·2	240	3·5	220	3·6	225	2·9	240	3·2	235	3·6	230	4·1	245	3·0	240	4·2	245	4·5
14	200	0·5	275	0·3	310	0·5	10	0·2	80	0·1	150	0·2	320	0·3	20	0·5	80	2·4	80	2·5	70	3·0	90	4·5
15	40	5·0	40	5·0	30	6·4	20	6·5	20	5·5	40	5·0	50	5·1	35	5·5	40	5·5	40	5·5	35	5·1	25	5·4
16	20	3·6	20	3·5	15	3·7	15	3·5	10	3·2	15	3·4	15	3·3	15	3·2	15	3·4	20	2·9	40	2·0	360	2·9
17	30	0·1	160	0·1	200	0·1	210	0·5	180	0·6	215	0·3	210	1·1	240	1·3	255	1·9	265	2·5	245	3·4	230	3·5
18	225	0·5	245	0·2	265	0·1	235	0·3	---	0·0	270	0·1	240	0·2	265	0·1	260	0·1	5	0·2	230	0·5	295	0·8
19	85	3·5	85	3·0	50	0·3	---	0·0	95	0·5	20	0·5	235	0·2	200	0·6	180	2·3	190	3·0	205	3·5	190	4·9
20	5	0·2	25	0·1	45	0·6	45	2·0	75	2·5	15	1·5	20	3·9	50	5·0	50	4·7	65	3·1	60	2·6	125	2·0
21	300	2·9	360	0·6	30	3·0	55	3·4	50	3·3	25	0·9	50	0·1	80	0·3	175	1·1	245	3·5	245	4·0	235	4·8
22	240	2·2	230	1·8	240	2·0	10	3·2	20	3·5	35	4·4	30	3·5	35	3·6	25	4·0	20	4·3	20	3·7	20	4·1
23	30	5·0	25	4·0	30	3·5	30	3·5	40	4·0	40	4·9	40	4·9	45	5·4	40	5·8	35	4·9	30	4·6	35	4·0
24	65	4·8	40	3·3	40	3·3	55	3·5	50	3·8	45	4·6	40	4·3	35	4·3	30	4·1	45	4·5	50	3·3	55	3·6
25	55	5·4	65	5·0	50	4·4	50	5·0	45	4·1	45	4·6	45	5·2	50	5·4	60	6·0	65	6·2	60	7·3	70	7·3
26	55	5·7	50	5·0	50	4·4	50	4·5	50	4·7	55	5·0	50	5·0	50	4·9	50	4·4	35	4·2	40	5·1	60	5·2
27	270	0·1	225	0·2	225	0·3	260	0·4	250	1·0	240	0·9	260	0·9	330	1·1	330	2·1	310	1·4	340	1·7	315	2·2
28	360	1·4	15	1·8	15	1·9	30	2·1	40	2·8	30	1·8	35	1·6	55	1·7	90	1·9	100	2·0	135	2·8	130	1·8
29	110	1·6	130	0·1	200	0·2	230	0·8	185	1·0	180	0·6	155	0·2	125	1·0	165	1·1	160	1·1	90	1·3	110	2·7
30	215	2·2	220	2·2	205	2·6	210	2·3	220	2·2	210	0·8	190	1·7	195	2·2	200	3·2	210	3·5	220	4·4	235	6·3
31	225	3·0	225	2·5	205	1·3	220	1·8	215	1·4	215	1·8	215	·2·5	220	3·6	250	4·5	255	4·6	300	6·4	325	6·6
Mean.	---	2·2	---	1·9	---	2·0	---	2·1	---	2·1	---	2·0	---	2·3	---	2·6	---	3·0	---	3·3	---	3·4	---	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, centred at Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 23 metres.

July, 1932.

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
235	7·8	215	10·5	220	10·8	225	10·3	230	8·7	225	6·2	220	7·2	220	6·3	215	5·5	215	5·9	220	5·2	215	4·3	7·4	1
275	5·3	265	5·4	265	5·4	270	5·6	270	5·9	270	5·2	265	4·8	255	3·7	245	2·8	240	2·5	230	3·2	230	3·2	4·4	2
200	6·5	205	7·2	200	7·0	200	6·9	205	6·6	205	6·8	200	6·0	190	3·7	180	3·5	170	3·6	170	3·2	165	3·4	4·5	3
190	8·4	190	8·5	190	8·1	200	8·2	205	7·3	210	7·2	220	4·8	210	2·7	195	1·7	190	2·0	185	0·6	190	0·6	4·6	4
255	1·3	290	1·3	285	2·2	280	1·8	290	1·8	250	1·3	235	1·3	215	2·0	225	2·5	225	2·5	220	2·1	215	1·7	1·4	5
255	5·2	270	3·9	250	4·8	240	6·7	230	5·6	250	6·4	250	5·4	240	3·8	240	1·5	215	1·9	230	2·5	230	2·1	3·5	6
235	2·9	235	1·5	270	2·5	265	2·5	265	1·5	200	2·6	215	1·7	200	1·9	220	1·0	230	1·2	235	1·5	220	2·0	2·1	7
230	3·2	270	3·5	275	2·6	275	3·0	285	3·6	275	3·3	275	2·8	260	2·5	270	2·6	260	1·9	245	1·7	245	0·9	2·1	8
265	2·2	270	3·1	250	2·5	310	2·3	330	1·7	270	1·5	315	2·2	320	1·2	320	0·2	285	0·2	320	0·1	260	0·5	1·6	9
185	3·0	150	2·7	180	3·2	185	3·5	180	4·2	185	4·4	185	4·2	185	3·9	190	1·7	190	1·3	190	0·4	---	0·0	1·7	10
190	3·8	240	2·0	360	1·6	25	2·2	65	0·7	70	0·6	25	0·6	325	1·1	350	1·6	20	2·6	35	2·9	35	2·3	1·2	11
310	1·6	305	2·3	315	3·1	325	2·7	335	2·0	340	2·5	320	0·9	320	0·4	300	0·5	315	0·8	10	1·1	355	2·3	1·3	12
100	2·8	120	1·6	195	4·0	190	7·2	195	6·6	230	5·2	245	4·1	225	3·1	220	4·0	225	2·2	205	1·1	205	2·6	3·0	13
280	2·0	285	1·5	270	1·6	345	0·8	350	0·8	320	1·5	275	2·5	290	2·2	25	5·2	40	4·9	30	4·9	20	3·6	2·1	14
5	3·4	350	2·9	360	3·3	330	2·3	320	2·3	330	2·3	315	1·4	310	0·1	290	0·2	285	0·1	295	0·1	310	0·1	2·4	15
300	2·5	320	2·2	315	1·7	285	1·8	330	3·1	20	4·9	20	6·0	20	5·5	25	5·4	45	6·5	30	6·0	45	6·6	2·4	16
355	6·1	350	6·3	360	6·8	355	6·3	10	7·2	25	4·6	360	2·0	290	1·1	330	0·5	330	3·0	315	1·9	305	1·6	4·7	17
10	5·7	10	7·5	15	7·2	10	6·6	10	5·7	15	5·6	10	4·8	10	3·7	10	3·5	360	1·8	345	1·4	335	1·8	4·3	18
270	3·4	295	3·0	260	2·7	290	4·0	320	5·0	305	4·0	270	2·7	250	1·7	250	1·2	255	0·9	245	0·4	270	0·3	2·3	19
270	3·1	260	2·8	245	3·6	245	4·1	265	6·1	270	6·2	280	4·8	290	5·1	290	1·6	270	1·7	270	1·7	290	2·2	2·3	20
335	2·3	295	2·6	275	2·9	340	3·2	340	1·5	310	1·4	305	1·8	315	1·1	295	0·7	305	1·1	335	1·3	325	0·5	1·7	21
240	5·0	245	4·4	265	3·3	270	4·0	350	2·4	60	0·9	---	0·0	300	0·2	320	0·7	305	0·2	320	1·3	340	1·2	1·9	22
345	4·1	345	4·6	330	3·6	335	4·3	345	3·7	325	2·2	305	0·7	265	0·1	210	0·2	195	0·8	200	1·5	200	1·5	2·8	23
195	6·0	200	5·3	200	5·3	205	5·8	210	6·6	205	5·6	205	5·9	200	5·3	205	4·4	200	4·9	200	4·0	200	3·6	4·3	24
215	5·0	185	2·3	195	2·8	210	4·2	205	3·7	210	3·6	220	3·3	215	3·0	240	3·0	245	4·0	240	3·3	255	3·3	3·1	25
230	6·7	230	7·6	240	5·5	220	7·0	230	6·5	230	7·0	225	6·1	225	5·6	220	5·0	210	4·0	215	4·9	225	5·5	5·3	26
230	6·8	225	8·6	225	8·2	235	7·7	255	5·0	255	5·6	260	6·2	255	5·2	250	4·3	245	3·5	240	5·0	230	4·7	5·8	27
200	6·8	210	6·9	220	6·4	230	6·6	235	5·2	240	4·9	245	5·2	245	4·9	220	4·8	235	5·0	235	4·4	230	4·8	5·4	28
230	8·0	230	8·7	230	7·9	230	7·5	225	7·5	225	8·0	230	6·5	230	6·5	230	6·0	225	5·5	220	5·8	225	5·8	6·7	29
190	4·0	185	3·6	185	3·2	210	4·5	220	5·5	225	5·5	240	4·7	230	4·0	230	3·5	215	3·5	215	3·2	215	2·8	4·6	30
230	7·5	215	8·5	220	8·0	200	6·5	195	5·7	200	5·0	200	4·9	200	4·5	220	3·7	240	3·4	235	3·0	235	2·8	4·5	31
---	4·6	---	4·6	---	4·6	---	4·8	---	4·5	---	4·3	---	3·7	---	3·1	---	2·7	---	2·7	---	2·6	---	2·5	3·4	

August, 1932.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
220	5·1	265	3·7	195	1·9	215	2·0	210	3·2	220	2·5	245	2·0	265	0·8	350	1·1	20	2·0	25	3·5	30	2·9	3·3	1
275	1·6	245	2·2	250	2·5	240	2·1	250	2·2	250	2·1	245	3·0	270	2·2	270	2·1	245	1·5	245	1·5	235	2·2	2·0	2
290	2·4	325	4·5	330	5·0	340	5·3	340	4·3	330	3·6	320	3·2	280	1·0	240	0·3	250	0·6	270	1·5	270	1·6	2·4	3
250	5·5	250	5·2	250	4·7	255	5·9	260	5·5	265	3·2	275	2·1	260	1·3	240	1·0	265	1·0	235	1·7	235	1·1	3·1	4
280	3·5	280	3·7	280	4·7	275	4·4	270	4·8	280	3·4	275	3·5	270	2·3	270	2·0	260	1·3	250	1·9	235	2·0	2·9	5
265	5·7	270	5·2	270	7·0	275	6·2	265	5·0	250	4·3	225	5·0	225	4·6	260	2·5	275	4·0	275	4·0	270	4·4	3·9	6
325	1·5	350	2·0	360	1·5	270	1·0	240	1·0	130	0·9	270	0·2	---	0·0	200	1·5	225	(1·7)	200	(1·1)	195	(0·8)	1·5	7
220	4·5	245	3·1	230	2·8	245	3·2	240	3·4	260	2·5	270	1·5	310	0·9	280	0·2	265	0·3	230	0·2	240	0·2	2·3	8
265	1·7	230	1·0	270	1·4	275	2·2	265	2·5	275	1·7	250	1·5	235	0·7	---	0·0	205	0·3	220	0·8	210	0·5	1·1	9
185	4·9	190	4·8	185	3·8	195	3·1	185	2·8	190	2·2	180	1·2	160	0·7	170	0·7	100	0·1	115	0·2	110	0·1	1·7	10
135	5·0	140	5·7	150	6·5	155	6·4	165	5·5	155	4·5	165	2·3	145	0·3	115	0·5	105	0·6	90	0·1	75	0·1	2·2	11
205	4·1	215	3·1	220	6·0	205	6·9	205	6·8	240	5·4	215	4·3	210	4·6	220	4·4	225	2·8	225	2·0	210	3·1	3·0	12
240	3·6	230	3·7	235	3·1	230	3·3	205	5·9	205	5·8	210	4·9	220	2·1	200	1·5	200	1·4	195	0·7	195	0·5	3·2	13
80	4·5	75	4·3	80	5·3	95	5·6	150	5·2	140	3·9	90	5·1	90	4·4	85	5·2	80	6·1	75	5·1	45	4·9	3·1	14
30	4·4	5	4·8	10	5·8	10	5·3	10	6·7	15	6·5	20	6·3	35	5·3	40	3·5	20	3·5	20	4·0	20	4·4	5·3	15
20	1·5	350	2·5	340	1·5	340	1·7	345	1·7	350	2·5	340	1·2	350	0·8	5	0·9	15	0·5	30	0·1	100	0·2	2·2	16
230	4·9	250	5·0	235	4·6	230	4·8	220	4·9	220	4·5	235	2·7	220	1·2	235	1·6	235	1·5	215	2·4	210	1·0	2·3	17
360	0·7	155	1·9	170	3·1	165	3·7	150	4·2	130	4·3	115	3·0	75	3·3	80	4·3	80	5·4	80	4·5	80	3·7	1·9	18
200	4·0	200	4·0	205	4·5	195	5·0	210	4·9	200	3·2	210	1·3	---	0·0	---	0·0	---	0·0	40	0·1	360	0·3	2·1	19
230	2·5	230	5·9	250	4·8	260	2·0	215	1·8	325	2·4	10	2·4	25	0·5	35	3·5	35	3·3	40	4·4	240	4·3	2·7	20
235	4·7	220	5·5	215	6·3	205	7·1	205	5·9	210	5·1	210	4·0	200	3·6	205	3·5	220	2·7	210	3·4	220	3·0	3·4	21
25	4·5	30	4·5	25	4·8	40	4·7	35	5·2	35	5·7	40	7·0	40	6·2	40	7·1	40	6·4	35	6·1	35	5·6	4·5	22
40	3·9	45	3·4	30	3·7	30	3·5	30	4·4	20	4·5	20	4·9	60	3·5	100	4·0	85	4·4	55	5·2	60	4·8	4·4	23
70	4·3	90	5·5	90	5·9	60	5·4	80	5·5	90	5·3	95	4·9	90	5·5	90	6·4	90	6·1	65	5·1	60	5·1	4·7	24
85	7·7	75	7·6	85	7·5	85	7·4	80	7·2	80	6·9	75	5·2	70	5·0	60	6·2	65	6·8	55	5·2	55	5·2	6·0	25
80	5·3	100	5·0	105	5·5	95	5·9	95	4·6	90	3·1	100	1·0	110	0·2	---	0·0	330	0·1	320	0·1	310	0·1	3·7	26
275	2·3	290	2·8	290	2·9	350	2·2	20	1·6	320	0·7	260	0·1	320	0·4	335	0·7	350	0·5	215	0·5	310	0·7	1·2	27
140	2·1	130	1·0	165	1·3	210	0·6	265	0·4	185	0·3	95	2·3	100	2·5	85	4·0	100	3·2	115	2·8	120	1·6	1·9	28
155	3·5	170	5·7	170	5·3	170	4·9	170	5·3	170	4·6	185	2·9	205	2·4	195	1·6	125	1·2	170	1·8	160	1·5	2·2	29
245	6·0	255	6·4	260	6·2	280	5·8	275	5·0	270	4·9	270	4·0	265	4·0	265	4·0	260	3·4	230	3·0	220	2·6	3·7	30
335	6·3	340	5·4	335	5·9	325	5·5	325	4·7	325	3·2	310	1·6	295	0·6	270	0·8	265	0·5	235	0·5	245	1·0	2·4	31
---	3·9	---	4·2	---	4·4	---	4·3	---	4·3	---	3·7	---	3·1	---	2·3	---	2·4	---	2·4	---	2·4	---	2·2	2·9	
12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day

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

519. Richmond (Kew Observatory): H_a (height of vane of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	235	1·5	215	1·1	230	1·0	240	0·9	235	1·3	205	1·5	210	1·6	230	1·6	235	2·9	225	5·0	240	5·9	230	6·3
2	230	6·0	230	5·5	235	6·3	235	6·1	240	5·5	235	5·9	240	6·3	240	6·3	245	6·3	245	7·0	250	6·9	240	7·3
3	235	9·1	235	9·5	235	8·8	230	8·4	230	9·3	230	9·3	225	8·5	225	8·0	225	7·3	230	7·2	250	5·1	250	5·8
4	270	2·7	280	3·0	275	2·8	255	2·0	255	1·5	250	2·4	245	2·8	260	2·5	285	3·7	290	4·5	290	4·8	280	4·6
5	220	2·0	215	2·0	220	2·1	210	2·0	210	1·0	210	1·1	210	0·8	210	1·0	215	1·9	210	4·1	200	5·0	200	5·0
6	190	2·4	195	1·6	185	2·1	190	2·8	200	4·0	200	4·6	200	3·8	205	4·5	210	5·6	205	6·0	215	6·9	220	8·4
7	230	2·0	220	2·4	230	3·0	230	3·5	230	3·3	230	3·6	225	3·3	245	3·3	255	3·4	260	4·0	240	5·5	245	4·7
8	195	3·2	185	3·5	185	3·2	190	4·0	190	4·8	190	5·1	190	5·5	190	6·3	190	6·7	180	7·5	185	8·4	185	9·5
9	205	3·7	230	1·2	210	0·6	190	1·3	255	0·2	235	3·0	225	1·6	170	1·0	190	1·8	215	2·3	265	2·1	235	1·6
10	220	2·2	230	1·6	200	1·8	205	1·9	235	1·4	220	3·4	210	3·3	210	4·6	215	5·6	215	6·4	215	8·0	220	6·9
11	240	3·7	230	5·3	225	5·9	220	5·2	220	7·2	215	8·3	220	8·9	225	10·0	225	10·2	225	11·6	230	10·2	255	9·0
12	270	4·4	255	3·7	255	4·4	255	3·8	250	3·8	255	3·6	255	3·4	265	5·0	280	5·8	280	5·5	270	5·5	260	4·8
13	350	0·6	350	0·5	5	0·7	15	0·5	10	0·6	330	0·1	195	0·3	160	1·7	150	2·0	140	1·9	85	0·4	230	1·6
14	240	3·2	240	4·0	245	2·8	265	3·2	260	3·5	255	2·6	265	3·3	265	3·8	285	4·6	310	5·2	330	4·1	335	2·7
15	210	0·2	---	0·0	240	0·1	230	0·3	---	0·0	260	0·1	235	0·1	220	0·1	210	0·1	360	0·2	300	0·5	360	0·3
16	90	1·8	80	1·2	30	0·9	10	2·2	40	2·2	85	3·5	95	3·4	90	4·7	90	4·7	95	5·0	80	5·1	65	4·0
17	200	0·1	245	0·3	---	0·0	235	0·1	210	0·2	230	0·2	265	0·4	310	0·2	265	0·8	270	1·0	245	1·1	260	1·5
18	225	1·9	230	2·6	235	2·8	260	2·9	270	3·1	240	2·3	240	3·5	235	2·8	225	3·9	265	3·6	250	3·0	225	3·8
19	300	0·5	310	1·2	305	0·5	325	0·3	315	0·2	330	0·3	345	0·5	350	0·5	5	1·3	10	1·8	15	2·5	350	2·2
20	15	0·7	320	0·1	355	0·7	20	1·3	15	2·0	25	1·6	30	1·5	15	1·6	10	2·1	25	2·0	60	2·3	45	4·0
21	50	4·4	50	4·4	45	5·2	40	4·7	25	2·9	15	2·7	20	3·4	25	4·5	35	4·9	40	5·2	45	6·0	50	5·0
22	55	2·4	55	2·5	50	3·0	55	3·0	50	2·6	40	2·5	75	2·8	90	4·8	100	5·5	100	6·7	110	6·5	100	5·7
23	20	1·1	360	0·9	360	1·0	360	1·6	20	1·5	20	1·4	30	2·7	20	3·0	40	3·0	10	2·8	20	2·5	30	2·8
24	25	1·0	25	1·3	20	2·5	40	2·7	40	3·0	20	2·5	15	2·7	15	2·7	20	3·1	15	3·4	20	3·4	20	2·9
25	210	5·3	210	5·8	210	6·5	215	7·2	220	6·0	220	6·4	220	6·5	265	4·7	225	3·5	220	4·6	225	5·7	230	6·2
26	230	2·7	235	3·5	220	1·6	220	1·5	230	1·4	215	2·2	225	1·8	260	2·3	260	2·9	255	3·1	290	4·0	270	4·0
27	270	1·0	250	0·6	225	1·0	245	0·7	335	1·6	330	2·0	315	1·3	345	4·8	360	6·5	5	6·0	20	7·3	20	6·6
28	5	5·8	10	5·1	10	5·8	10	6·1	15	5·5	20	4·2	20	4·2	25	4·0	20	3·3	40	5·9	40	6·6	50	6·4
29	40	5·0	45	5·6	50	6·0	30	3·9	45	4·1	60	5·8	55	6·2	50	6·0	55	5·8	70	7·5	80	10·1	80	10·0
30	155	2·2	165	2·0	170	2·6	175	2·2	160	1·6	155	1·9	130	2·1	155	3·5	160	5·2	165	5·3	170	5·7	175	6·2
Mean.	---	2·8	---	2·7	---	2·9	---	2·9	---	2·8	---	3·1	---	3·2	---	3·7	---	4·1	---	4·7	---	5·0	---	5·0

520. Richmond (Kew Observatory): H_a = 5 metres + 23 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	200	[illegible]	200	4·5	200	3·8	210	5·0	200	5·0	210	4·7	205	5·0	215	5·0	230	6·6	230	6·5	230	7·8	240	7·7
2	250	1·7	255	1·3	245	1·5	230	1·8	235	1·8	235	2·0	220	2·2	235	2·5	240	3·6	230	5·3	260	8·4	265	6·6
3	300	2·0	270	1·7	285	(2·1)	265	(2·0)	260	(0·9)	250	(2·0)	215	(2·1)	230	1·9	235	2·1	260	1·9	270	1·6	285	2·5
4	330	0·6	330	1·0	335	0·5	335	0·7	320	0·4	275	0·3	295	0·1	265	0·1	---	0·0	330	0·4	15	3·3	10	3·0
5	220	1·1	215	1·3	260	0·1	245	0·2	230	0·9	220	0·4	210	0·2	240	0·2	240	0·5	225	1·5	275	2·4	280	3·0
6	240	1·0	220	1·5	215	0·2	195	0·1	---	0·0	---	0·0	85	0·1	220	0·2	210	0·1	210	1·2	200	4·5	200	4·8
7	180	3·5	180	3·0	180	3·5	195	3·7	195	3·7	190	2·8	190	3·5	190	3·5	195	4·4	200	5·2	195	6·8	200	6·5
8	160	4·8	160	4·5	170	5·8	170	6·9	160	5·5	170	7·1	165	6·9	160	7·0	160	8·0	155	9·2	155	8·5	165	9·8
9	120	0·9	120	0·6	105	0·3	30	1·1	10	1·9	35	1·5	15	0·8	360	1·4	305	1·2	315	1·7	330	2·3	345	2·6
10	225	2·1	240	1·1	240	0·8	220	0·8	275	0·8	275	0·7	320	0·8	35	0·6	250	0·3	290	0·3	230	1·2	260	1·8
11	215	4·9	225	4·4	230	3·2	235	2·3	220	2·0	225	2·5	225	2·7	240	2·8	250	2·3	235	3·0	235	4·4	250	3·4
12	240	1·4	245	2·1	245	2·0	260	2·2	275	1·6	270	1·5	240	1·2	265	1·3	255	0·9	255	1·4	220	2·3	245	1·6
13	205	6·5	210	7·1	225	8·2	255	5·6	230	5·5	240	6·5	245	7·0	250	6·3	230	5·0	230	7·1	250	7·6	245	6·4
14	235	2·6	225	2·4	215	1·8	225	1·8	205	2·0	190	3·2	165	1·2	20	1·2	160	0·6	280	1·8	290	3·2	320	4·8
15	285	4·8	290	4·0	275	3·9	280	3·8	285	5·1	290	5·0	295	3·8	300	5·2	305	5·7	310	6·2	320	6·4	320	7·0
16	235	2·9	220	4·5	230	5·3	230	4·6	230	4·5	235	3·6	240	3·3	230	2·4	245	3·1	320	2·5	315	4·0	325	4·4
17	265	5·9	265	6·4	270	5·6	275	5·4	280	5·2	285	5·3	280	4·6	280	4·4	285	4·5	295	5·8	315	6·6	315	6·7
18	230	7·3	225	8·2	230	9·1	230	9·3	255	9·8	275	8·9	265	7·5	265	8·2	275	9·6	280	9·4	295	8·5	305	8·8
19	270	2·8	265	2·8	275	2·0	275	1·6	265	2·1	265	1·7	230	1·2	240	1·2	265	1·6	280	1·4	275	1·1	250	2·2
20	215	7·0	215	7·9	215	8·0	215	7·9	220	7·3	225	6·5	225	5·9	235	4·3	230	3·8	225	4·0	230	4·4	230	5·5
21	220	6·0	220	7·8	220	7·5	225	7·5	220	7·5	220	8·1	225	6·7	225	7·6	225	8·3	230	7·7	245	7·9	240	7·3
22	210	7·9	215	8·5	220	8·9	210	7·5	210	8·0	210	8·5	205	8·5	210	8·2	205	8·0	205	9·6	210	9·0	210	10·0
23	200	1·2	200	2·8	205	2·3	200	3·9	185	4·0	210	4·2	205	3·2	190	2·7	200	4·1	195	4·5	210	5·3	185	5·1
24	270	3·1	240	2·5	220	2·4	225	1·8	220	1·6	205	1·0	215	0·8	190	0·3	105	0·4	180	0·7	250	1·2	215	1·4
25	255	1·2	270	1·6	240	1·9	230	2·0	230	1·7	225	2·2	220	1·8	225	1·4	235	2·1	225	1·9	235	3·3	235	4·4
26	230	6·0	240	5·8	240	5·1	255	6·1	255	4·6	265	5·9	270	5·8	275	5·8	270	5·3	270	5·9	285	6·5	280	7·0
27	235	3·0	250	2·6	260	2·8	245	2·8	235	2·9	240	2·1	240	2·0	225	1·9	240	3·1	265	3·6	280	3·1	275	2·7
28	20	6·7	20	7·0	10	6·0	355	5·2	350	5·6	350	6·5	340	6·0	320	5·9	325	5·8	330	5·9	325	7·0	325	6·2
29	320	3·0	315	3·1	305	3·0	275	1·4	270	1·7	240	1·7	250	2·0	245	1·7	230	1·8	225	3·0	250	2·8	245	2·4
30	250	4·7	250	3·6	250	4·3	255	4·5	250	4·8	245	4·2	245	4·8	250	5·2	250	5·1	260	6·2	275	6·8	270	7·2
31	275	5·7	275	6·2	275	6·6	285	6·5	290	6·2	295	6·0	305	6·5	315	5·8	320	5·7	340	6·5	340	7·4	340	6·7
Mean.	---	3·9	---	3·9	---	3·8	---	3·7	---	3·7	---	3·8	---	3·5	---	3·4	---	3·7	---	4·2	---	5·0	---	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	

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 23 metres.

September, 1932.

12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		23 - 24		Mean	Day
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
235	6·4	230	6·0	225	6·2	220	6·8	220	6·2	220	6·4	220	6·3	215	6·4	225	6·6	225	5·9	225	6·1	230	6·1	4·4	1
250	8·1	245	7·6	245	7·3	240	7·7	230	9·0	230	8·9	225	8·6	230	8·0	230	6·5	230	9·5	230	9·4	230	9·6	7·3	2
255	6·4	250	6·5	250	6·6	255	5·5	260	6·4	245	5·5	250	5·2	260	4·1	265	3·3	275	3·5	265	3·5	270	3·4	6·5	3
290	4·8	280	4·9	280	4·4	280	5·0	270	4·4	270	3·8	270	2·4	265	1·8	245	1·5	250	1·7	230	1·5	220	1·6	3·1	4
210	5·4	210	5·8	200	6·0	215	5·9	215	4·8	220	5·9	200	2·5	180	2·7	190	2·9	190	3·4	190	4·2	185	4·5	3·4	5
220	9·3	225	9·5	220	8·9	215	7·8	215	7·3	210	7·1	220	7·0	240	5·6	250	4·9	245	3·1	240	2·7	240	3·1	5·4	6
240	5·1	220	4·9	265	4·2	200	3·5	210	5·3	220	5·2	220	4·1	210	3·3	215	3·8	205	2·9	205	2·5	210	4·2	3·8	7
190	8·7	180	8·0	185	7·5	185	8·0	185	7·5	180	7·5	180	7·6	180	5·9	180	6·0	175	6·0	190	5·4	200	4·9	6·3	8
230	1·6	195	1·9	210	2·8	215	4·4	220	4·2	195	4·0	195	3·3	190	2·5	205	2·2	200	2·0	195	2·2	220	1·5	2·2	9
220	7·5	220	7·5	230	6·7	230	8·5	230	7·6	230	5·4	220	5·2	230	4·0	240	4·0	230	3·7	220	3·0	230	4·0	4·8	10
285	9·2	290	8·7	290	8·6	290	8·3	285	6·5	270	6·0	270	6·0	265	5·9	265	5·7	260	5·0	265	3·5	265	3·1	7·2	11
250	6·1	240	5·3	245	4·0	240	4·5	220	5·0	220	4·4	235	3·4	245	2·4	255	0·8	240	0·8	270	0·7	310	0·6	3·9	12
260	3·2	260	3·5	255	3·5	260	3·2	260	4·0	255	3·4	255	3·4	235	3·3	245	4·8	260	3·8	260	4·3	235	2·4	2·2	13
330	3·5	320	3·8	320	3·0	350	2·6	240	2·3	330	1·2	330	0·3	340	0·2	320	0·1	330	0·1	---	0·0	220	0·2	2·5	14
20	0·8	10	1·7	10	1·2	70	2·2	65	1·8	90	2·0	85	1·9	85	2·3	80	2·7	75	1·9	90	1·9	85	1·7	1·0	15
75	5·0	75	5·2	85	4·1	85	3·9	90	3·0	100	3·6	100	4·5	85	2·3	110	1·4	220	0·4	15	0·3	25	0·1	3·0	16
250	2·1	240	2·5	270	2·6	270	3·2	255	2·7	275	1·2	305	0·3	245	0·3	215	0·7	235	1·4	230	1·3	215	2·0	1·1	17
220	4·8	220	3·9	225	3·2	225	2·8	225	2·8	240	0·5	325	2·9	10	1·8	320	0·9	330	0·8	350	2·8	345	1·7	2·7	18
350	3·2	350	4·0	345	2·7	330	1·0	330	1·2	340	1·0	350	1·0	350	0·4	360	0·2	25	0·3	25	0·5	10	1·4	1·2	19
40	4·4	50	4·3	50	4·4	50	4·3	50	4·5	45	4·9	50	5·0	50	5·1	55	5·4	55	5·0	50	4·2	45	4·5	3 2	20
50	5·4	60	5·9	75	5·8	60	5·5	70	4·9	90	4·1	95	4·5	95	4·4	85	3·9	90	3·4	80	3·0	50	3·0	4·5	21
100	4·9	100	6·2	95	7·5	90	6·5	100	4·6	85	3·5	65	2·1	70	1·5	65	1·0	20	0·5	345	1·5	355	1·8	3·7	22
5	3·0	20	3·5	15	3·5	10	3·8	360	4·5	15	4·0	10	3·1	15	3·0	15	2·4	10	3·1	20	1·4	10	1·5	2·5	23
340	3·5	335	3·1	310	2·6	290	3·8	270	3·4	235	2·2	230	3·5	215	2·1	210	3·3	225	5·3	210	4·7	205	4·4	3·0	24
230	6·9	215	6·8	210	7·1	205	7·1	230	6·1	230	3·6	215	5·1	220	5·6	220	5·5	220	5·3	220	4·6	215	4·0	5·7	25
260	4·8	255	3·8	255	4·3	270	3·8	275	3·5	270	1·8	260	1·4	250	1·8	260	1·8	255	0·7	250	0·7	260	1·2	2·5	26
20	7·1	10	6·8	20	6·6	15	7·5	20	7·3	15	7·2	10	5·3	15	6·5	10	6·5	10	6·2	10	5·3	10	6·0	4·9	27
75	6·9	70	6·4	65	6·0	80	7·1	65	6·8	60	7·0	60	6·6	55	6·0	60	5·7	50	5·6	50	5·5	45	5·5	5·7	28
80	10·7	85	12·4	80	10·4	85	9·0	85	8·4	85	7·1	90	6·5	95	5·3	110	3·7	110	2·5	115	1·4	145	2·5	6·5	29
180	6·1	185	6·0	195	5·5	205	4·2	195	4·0	180	2·7	155	2·1	180	4·5	200	5·4	200	4·2	190	3·1	190	4·3	3·9	30
---	5·5	---	5·5	---	5·2	---	5·3	---	5·0	---	4·4	---	4·0	---	3·6	---	3·5	---	3·3	---	3·0	---	3·2	3·9	

October, 1932.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
290	7·3	315	3·5	350	6·0	350	4·5	345	4·1	325	2·4	310	2·1	315	2·0	295	1·3	270	0·9	295	0·7	325	1·6	4·3	1
265	6·9	270	7·0	280	6·8	280	6·8	300	6·6	270	3·2	265	3·0	265	3·7	260	3·4	270	3·9	280	3·0	285	2·6	4·0	2
280	2·3	310	2·8	305	2·3	290	4·5	275	2·3	300	(1·7)	325	(2·5)	355	3·6	330	2·0	345	2·6	360	2·0	355	1·5	2·2	3
360	2·7	350	2·5	315	2·1	330	2·4	335	2·0	330	1·0	270	0·2	260	0·3	220	0·9	215	1·2	225	1·6	220	0·7	1·2	4
270	3·6	250	2·2	270	2·2	255	1·6	260	1·7	230	1·5	230	1·7	220	0·7	210	1·5	205	1·8	215	0·9	230	2·0	1·4	5
205	6·1	215	6·4	210	6·8	210	6·2	200	4·9	190	3·2	180	2·8	175	2·5	180	1·9	175	2·5	180	2·5	180	2·8	2·6	6
195	7·4	200	7·7	200	7·4	200	6·0	195	6·3	190	5·5	185	5·0	185	5·5	180	5·5	180	5·9	180	5·9	170	5·8	5·2	7
195	6·9	215	5·7	215	4·1	200	3·2	190	1·5	175	1·8	170	2·3	175	2·2	185	2·1	185	1·8	200	2·5	195	1·2	5·0	8
345	3·0	330	1·7	305	2·2	295	2·8	315	1·7	260	1·0	220	1·5	220	2·1	235	2·0	230	2·3	225	2·4	230	1·7	1·7	9
235	2·6	260	1·8	260	2·3	240	3·2	245	2·8	235	2·1	215	2·1	220	1·7	210	2·8	215	3·6	220	3·8	220	4·6	1·9	10
255	3·3	245	3·9	270	2·9	270	1·4	305	2·3	275	3·6	250	2·0	235	2·8	260	2·4	265	2·6	260	2·6	255	1·9	2·9	11
245	1·0	255	0·5	225	2·6	230	4·4	215	3·1	200	2·9	200	4·1	200	2·8	195	4·1	190	4·4	195	4·4	205	6·0	2·5	12
245	7·0	245	6·7	255	6·7	255	7·1	255	7·3	245	6·2	245	5·3	240	5·1	245	5·1	240	5·0	235	4·5	240	3·8	6·2	13
315	4·8	295	4·4	290	5·5	285	5·0	275	4·0	280	3·7	250	2·5	255	3·7	255	4·4	260	4·8	265	5·0	275	5·7	3·3	14
320	6·7	320	5·2	320	5·4	305	4·1	310	3·7	295	3·6	285	2·3	275	2·4	265	2·5	260	2·3	245	2·8	245	2·4	4·3	15
310	3·2	295	4·4	295	3·9	295	3·8	290	2·6	250	1·5	215	1·8	240	4·0	235	3·8	225	5·0	235	4·4	265	4·9	3·7	16
310	6·2	305	5·4	310	4·4	300	3·5	260	1·7	220	2·6	230	3·6	235	4·0	235	4·3	230	5·4	225	6·1	230	7·0	5·0	17
310	8·1	315	7·6	310	5·9	305	5·4	300	4·8	285	2·5	275	2·4	265	2·7	275	3·0	265	3·0	270	3·1	275	2·6	6·5	18
250	3·1	235	4·0	245	3·7	240	4·4	220	4·3	210	4·2	210	3·6	215	3·7	200	2·8	200	3·8	215	4·6	210	5·9	2·9	19
235	4·6	250	3·6	250	2·2	205	2·2	195	2·1	205	1·8	265	1·0	335	1·8	5	1·6	115	1·1	20	1·1	175	1·1	4·0	20
240	5·2	250	4·1	225	2·0	210	1·3	220	4·7	225	7·4	225	8·5	220	9·3	220	9·4	220	8·9	220	9·5	220	8·9	7·0	21
210	10·1	215	9·8	245	7·8	265	5·8	265	5·6	265	5·1	245	3·6	245	3·1	235	3·0	225	2·8	220	1·3	180	0·7	6·7	22
200	7·1	235	6·9	240	5·6	230	3·6	210	2·3	280	1·4	5	4·0	350	1·3	250	1·3	270	2·2	275	3·3	275	3·1	3·6	23
235	1·0	155	0·2	195	0·2	280	0·7	315	1·6	325	2·0	330	1·7	305	2·2	290	2·0	295	1·6	290	2·0	290	2·6	1·5	24
240	4·7	230	5·5	230	5·2	230	6·9	230	6·5	230	6·2	230	6·5	225	5·7	230	6·6	230	7·5	230	7·1	230	5·7	4·1	25
275	6·7	285	7·2	295,	5·8	285	4·5	275	4·4	265	3·8	265	4·4	265	3·6	260	3·7	250	3·7	255	3·5	235	2·8	5·2	26
280	4·4	280	4·8	275	3·7	260	4·0	245	2·0	210	1·7	180	1·0	95	1·2	140	2·3	125	2·2	80	2·7	50	4·6	2·8	27
325	7·3	325	6·6	325	6·6	325	5·6	350	7·6	350	5·4	350	6·3	350	4·9	350	4·4	345	4·0	335	3·8	330	3·3	5·8	28
225	4·0	220	4·1	215	4·9	225	6·0	200	5·8	200	6·6	200	9·0	210	10·8	220	7·0	245	5·0	255	4·6	255	4·4	4·2	29
275	7·5	270	8·2	275	8·5	270	9·1	275	8·4	280	7·3	280	7·0	280	6·6	280	6·3	275	6·0	275	5·3	275	5·5	6·1	30
335	6·0	340	5·0	345	5·4	325	3·5	335	3·8	350	3·7	315	1·6	320	1·4	315	1·4	295	0·6	285	0·3	240	0·5	4·5	31
---	5·2	---	4·8	---	4·6	---	4·3	---	4·0	---	3·4	---	3·4	---	3·5	---	3·4	---	3·5	---	3·5	---	3·5	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. Richmond (Kew Observatory):

H_a (height of vane of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G. M. T.	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	1·5	230	0·8	240	0·8	240	0·3	290	0·3	255	0·1	150	0·1	---	0·0	---	0·0	---	0·0	---	0·0	215	1·3
2	220	2·9	230	3·9	225	3·4	230	3·7	230	4·7	230	4·7	230	4·5	230	4·5	220	3·5	240	3·7	235	4·6	240	5·6
3	235	5·1	240	5·7	245	5·3	240	4·9	245	5·6	235	4·8	240	4·8	240	5·2	240	4·2	230	4·8	230	6·0	220	6·3
4	210	3·1	225	3·3	225	2·6	225	2·6	210	3·0	200	2·0	200	3·5	200	3·3	205	5·4	210	6·5	205	6·1	200	6·4
5	5	1·1	340	0·3	350	1·6	15	4·1	15	4·2	25	4·9	25	4·9	30	5·0	25	5·4	35	5·6	50	7·1	40	6·4
6	25	1·7	25	1·4	60	1·2	45	1·8	45	2·3	50	3·4	55	2·5	35	1·2	45	1·8	45	2·4	60	3·1	70	3·9
7	90	4·2	95	5·0	100	4·7	95	3·9	80	3·2	60	3·2	55	3·3	60	5·2	50	5·0	60	5·8	80	8·8	75	8·9
8	90	3·3	90	2·0	60	0·9	15	0·5	20	0·5	145	1·5	305	0·8	360	0·4	325	0·1	285	0·1	15	1·1	355	1·8
9	280	1·0	255	1·1	260	1·1	265	0·8	290	0·5	250	0·8	225	0·6	230	1·0	240	0·5	100	0·7	195	0·8	160	0·1
10	240	0·2	245	0·4	295	0·2	240	0·2	240	0·2	210	0·2	15	0·2	340	0·2	285	0·8	---	0·0	40	0·1	340	0·6
11	35	2·8	50	2·6	50	3·8	40	3·4	50	3·7	30	2·6	35	2·5	50	4·2	50	3·5	70	4·8	90	8·3	90	8·5
12	70	3·0	70	3·6	100	2·4	100	2·5	110	2·0	110	2·5	105	2·5	110	2·8	110	2·4	110	2·5	110	2·9	105	4·3
13	80	7·9	80	8·0	80	7·9	80	7·9	80	8·5	80	8·1	80	8·6	80	10·0	85	8·5	85	9·9	85	10·1	80	9·3
14	(45)	4·1	(50)	3·6	(40)	3·7	30	3·7	25	3·2	25	4·0	25	3·2	25	3·3	25	3·5	35	2·7	45	2·6	40	2·3
15	40	2·5	25	2·2	25	1·5	20	0·5	350	0·8	50	3·1	55	2·0	45	2·3	50	2·8	75	1·7	110	2·0	125	3·3
16	75	4·4	75	4·0	80	3·9	85	5·1	75	4·4	50	4·6	50	3·9	70	4·2	60	4·8	65	5·0	60	5·2	60	5·0
17	45	4·7	35	4·2	40	3·3	35	3·0	40	2·8	40	3·0	45	3·7	90	2·6	110	2·0	85	4·6	80	6·3	80	6·4
18	(115)	(2·8)	(75)	2·4	(85)	(2·6)	(80)	(2·8)	(85)	(2·3)	(85)	(3·1)	(95)	(3·5)	(100)	(3·9)	(95)	(4·0)	(95)	(3·3)	110	3·6	115	3·2
19	70	2·3	60	2·0	45	2·5	50	3·2	55	2·8	40	2·4	40	2·8	35	2·9	40	3·5	35	2·3	40	2·0	15	2·3
20	320	1·5	330	1·9	350	1·0	310	1·5	280	1·3	260	1·3	255	1·5	250	2·0	260	2·5	255	2·3	265	2·5	260	2·1
21	230	1·5	260	1·9	290	1·7	295	1·5	315	1·8	310	2·5	305	1·9	290	1·3	290	2·0	280	3·0	285	3·4	285	3·6
22	215	2·7	215	2·5	230	2·7	240	2·4	230	2·9	215	1·9	200	1·8	195	3·9	200	4·7	210	5·9	210	8·2	210	9·5
23	260	3·4	260	4·0	230	3·5	235	3·8	245	4·4	235	4·9	230	5·2	230	5·2	230	5·2	240	5·3	260	7·5	265	7·1
24	235	3·4	240	3·7	220	4·4	235	4·5	225	5·1	235	4·3	240	4·5	245	4·4	245	4·4	240	4·2	250	5·4	245	5·9
25	230	5·3	240	5·9	250	6·5	250	6·3	260	7·0	265	7·3	275	6·6	280	7·0	280	6·4	270	5·1	270	5·3	270	6·2
26	220	5·7	220	6·9	220	7·6	225	8·2	225	9·7	225	9·7	225	10·6	225	10·0	220	9·6	220	9·3	225	8·4	235	8·0
27	240	6·8	235	6·2	235	6·7	240	6·5	250	6·0	245	5·5	240	5·6	235	5·4	235	5·3	245	5·8	265	7·0	275	8·5
28	325	5·1	330	5·4	345	5·9	320	4·1	315	3·8	320	3·7	300	3·6	300	2·0	260	1·1	270	1·3	265	1·6	235	2·0
29	230	1·6	225	1·3	250	0·8	230	0·3	220	0·6	215	0·9	230	0·7	230	1·0	200	1·9	205	1·3	200	1·6	220	4·3
30	205	(7·7)	200	(6·9)	200	(6·9)	200	(7·7)	200	(8·2)	200	(7·8)	200	(7·8)	200	(7·8)	200	(8·4)	200	(8·7)	200	9·4	200	9·9
Mean.	---	3·4	---	3·4	---	3·4	---	3·4	---	3·5	---	3·6	---	3·6	---	3·7	---	3·8	---	4·0	---	4·7	---	5·1

522. Richmond (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	200	7·5	200	7·8	200	7·2	200	6·2	195	3·8	185	4·0	·180	2·9	160	2·0	160	1·0	220	0·6	275	3·4	320	4·7
2	240	1·3	230	1·5	220	1·5	195	2·0	200	1·7	195	2·0	200	3·6	195	3·5	195	4·0	195	5·5	195	5·3	205	7·8
3	255	5·5	265	4·9	240	4·1	240	3·2	245	1·8	230	3·7	240	2·8	250	3·2	250	2·6	230	2·5	240	4·0	265	5·2
4	215	4·1	230	3·6	230	3·1	240	2·7	225	2·5	270	2·0	295	2·9	305	2·8	280	2·5	290	2·8	290	3·3	300	3·5
5	210	0·8	220	1·0	245	0·5	235	0·6	---	0·0	230	0·5	235	0·5	250	0·1	240	0·6	245	0·6	245	0·3	235	0·4
6	35	1·4	40	1·9	20	1·1	355	1·0	30	0·5	30	0·5	350	0·2	10	1·1	350	0·5	15	2·3	20	2·8	30	5·5
7	5	1·3	5	1·3	15	4·2	20	2·8	20	2·8	25	4·3	35	5·0	40	5·0	40	5·0	40	3·7	45	7·0	45	7·2
8	40	3·0	40	4·2	50	3·8	50	4·9	40	4·4	50	4·0	55	5·6	45	4·8	40	4·0	45	3·2	65	4·0	55	5·5
9	65	9·0	70	8·6	60	6·3	45	4·9	40	4·9	35	5·2	50	5·4	50	5·6	50	6·8	45	7·4	60	8·2	60	7·8
10	60	7·3	55	7·6	55	7·0	65	8·1	50	7·4	555	7·1	60	7·7	60	8·8	65	9·0	70	8·9	60	7·6	65	9·5
11	55	8·8	50	8·5	45	8·4	50	8·0	45	8·2	55	8·9	60	8·9	65	10·9	70	11·5	75	11·1	70	9·5	70	9·2
12	75	6·1	75	6·2	70	4·8	80	5·1	80	5·2	75	5·0	70	4·8	65	3·6	60	4·2	70	4·7	80	4·5	75	5·3
13	5	0·8	5	1·7	10	0·8	15	1·0	70	0·8	75	0·7	40	0·2	90	0·7	60	1·0	80	1·8	70	2·1	90	2·4
14	170	4·6	180	3·6	175	5·0	185	3·7	180	4·1	190	3·4	210	3·1	205	3·0	205	3·6	215	2·0	220	2·4	200	2·6
15	175	3·3	180	3·1	185	3·3	190	4·2	180	3·4	185	4·8	190	5·5	190	5·8	190	6·2	190	6·8	205	7·7	205	8·0
16	230	2·3	190	1·3	180	2·3	200	2·9	200	4·1	195	3·6	195	3·5	200	5·0	205	4·8	200	6·5	205	6·2	205	7·3
17	190	2·2	215	3·0	220	2·8	190	4·6	180	5·4	185	5·6	190	4·3	210	5·3	195	4·9	210	5·5	200	5·3	205	5·9
18	200	7·1	200	8·1	200	8·9	200	8·0	210	6·8	210	8·7	210	7·0	200	6·4	210	7·2	210	8·0	205	8·2	205	8·8
19	185	7·7	190	6·2	175	6·2	170	4·9	150	4·0	140	2·6	160	4·8	160	3·0	175	5·0	175	5·4	185	5·7	185	6·3
20	155	4·2	155	3·1	160	3·3	160	3·3	155	3·8	155	2·8	170	2·2	155	2·6	145	1·3	160	2·0	165	1·1	180	3·2
21	160	4·6	150	3·7	150	3·2	170	4·8	175	5·2	175	6·1	180	5·0	180	5·5	180	5·2	185	5·9	190	5·7	195	5·6
22	165	3·7	160	3·5	175	4·8	180	5·0	185	4·5	200	4·4	205	5·1	215	4·5	230	3·8	235	3·8	235	4·4	235	5·0
23	190	5·7	185	5·0	190	5·3	195	4·9	195	6·2	190	7·0	190	6·2	190	8·0	185	8·1	185	7·5	190	7·1	185	8·2
24	225	2·6	230	3·2	230	2·8	230	3·2	230	2·5	240	3·6	245	3·3	250	2·8	250	2·5	240	1·8	255	2·2	275	3·6
25	230	1·5	230	1·9	245	2·2	250	2·2	270	1·5	265	2·2	265	1·5	280	1·7	280	1·5	270	1·5	260	1·5	250	1·2
26	300	1·7	310	0·8	265	0·5	100	0·4	245	0·6	80	0·7	270	0·2	280	1·0	310	1·7	280	1·3	285	1·3	300	0·4
27	235	1·6	220	1·4	235	1·0	235	1·4	215	2·2	200	1·5	185	0·7	185	0·5	125	0·2	195	0·5	155	0·7	185	2·4
28	205	2·8	210	2·5	200	2·5	200	1·4	190	2·3	185	2·4	175	2·5	180	2·5	175	3·3	175	3·2	185	3·7	190	4·8
29	160	2·0	150	3·0	170	3·1	165	3·0	170	3·1	160	3·3	165	3·5	175	3·1	170	3·2	160	3·3	165	5·0	165	4·4
30	195	5·0	190	5·3	185	5·5	185	4·7	175	4·8	175	5·2	170	5·6	160	5·7	175	5·4	180	5·6	175	6·6	180	6·1
31	210	0·6	210	0·1	340	0·1	45	0·1	170	0·3	160	0·6	160	2·6	165	3·0	155	3·2	155	5·0	150	5·2	150	6·9
Mean.	---	3·9	---	3·8	---	3·7	---	3·7	---	3·5	---	3·8	---	3·8	---	3·9	---	4·0	---	4·2	---	4·6	---	5·3
Annual Mean.	---	3·2	---	3·2	---	3·2	---	3·2	---	3·2	---	3·3	---	3·4	---	3·6	---	3·9	---	4·3	---	4·6	---	4·9

Averages for periods of sixty minutes, centred at the Half hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 23 metres.

November, 1932.

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	
205	2·8	230	4·5	225	4·0	215	2·3	220	2·9	230	3·4	235	3·0	240	2·9	235	3·6	245	2·3	235	2·8	230	3·5	1·8	1
240	5·8	240	5·0	240	5·4	240	5·0	225	5·0	230	5·4	230	5·9	230	5·8	230	5·0	235	5·3	235	5·2	235	5·3	4·7	2
225	6·4	220	5·8	215	5·3	215	5·5	210	4·9	210	4·5	215	3·6	215	2·8	225	2·8	220	1·6	205	0·7	215	2·5	4·5	3
190	6·0	190	5·9	210	7·0	215	6·6	210	6·5	205	5·0	210	5·5	285	5·0	355	6·2	5	5·2	360	3·8	10	2·7	4·7	4
45	5·7	35	5·3	40	5·6	40	5·9	50	5·6	50	4·8	65	5·5	60	4·9	55	4·2	55	4·5	55	3·7	25	2·3	4·5	5
85	5·1	90	5·7	90	7·0	90	7·1	90	6·9	90	6·2	90	5·2	100	4·1	110	5·0	110	5·2	95	4·8	90	4·2	3·9	6
85	8·6	80	7·8	85	7·4	75	7·5	75	6·8	70	6·6	60	5·6	70	5·4	60	5·0	40	3·4	40	3·5	80	4·9	5·6	7
350	2·0	5	2·8	10	2·3	5	2·7	340	2·0	335	2·0	330	1·0	300	0·7	300	1·0	280	1·0	295	1·3	280	1·1	1·4	8
170	0·7	200	1·6	195	0·7	180	0·3	185	0·5	300	0·1	360	0·1	---	0·0	50	0·1	350	0·2	320	0·1	280	0·1	0·6	9
360	1·5	15	2·5	40	3·0	40	3·4	45	4·2	50	4·0	50	4·0	45	4·1	50	2·9	35	2·5	40	3·0	55	2·8	1·7	10
90	8·4	85	8·3	80	7·7	80	6·6	75	5·9	50	4·6	55	4·7	65	5·6	65	4·8	65	4·8	80	4·9	90	4·2	5·1	11
105	4·0	95	5·0	95	3·9	110	3·0	60	3·5	65	2·5	70	2·6	85	4·2	90	4·6	90	5·4	90	6·9	85	6·5	3·6	12
75	9·6	80	8·8	80	8·9	70	8·3	70	9·7	65	8·3	55	6·5	60	6·2	45	5·0	35	5·1	(40)	5·2	(45)	5·0	8·0	13
20	2·4	30	2·8	35	3·2	35	3·8	40	3·7	40	2·8	40	2·9	50	3·2	70	4·2	60	3·2	50	2·5	40	2·5	3·2	14
125	3·0	95	2·2	80	2·6	45	1·5	45	2·3	60	0·8	50	2·2	60	3·6	70	4·4	80	6·2	80	4·9	80	4·8	2·6	15
70	5·0	80	5·0	70	5·0	65	5·9	65	6·8	60	5·5	60	4·9	55	5·1	55	5·1	40	4·1	35	4·0	45	3·9	4·8	16
75	5·8	80	5·1	90	4·2	115	4·1	110	4·0	110	3·9	120	4·6	110	4·2	(115)	(4·1)	(115)	(3·5)	(115)	(2·5)	(115)	(2·5)	4·0	17
125	3·0	115	2·8	100	3·7	90	4·5	100	4·2	110	3·0	110	3·2	115	3·6	115	3·0	95	2·7	95	3·2	75	2·6	3·2	18
15	2·8	15	3·3	25	2·5	30	2·9	35	3·0	20	2·9	25	2·8	20	2·1	15	2·3	15	2·4	5	1·1	330	1·7	2·5	19
240	2·4	230	2·5	220	3·0	210	2·5	210	2·7	215	3·1	205	3·1	205	3·0	210	4·0	220	3·2	210	3·3	215	2·6	2·4	20
295	4·8	305	3·6	305	3·8	285	3·2	270	2·6	260	2·0	240	2·1	230	2·1	235	2·2	225	2·2	225	2·4	215	2·3	2·5	21
205	9·2	210	9·9	210	8·2	215	7·3	220	6·9	230	5·7	250	3·9	250	3·1	260	3·6	280	4·8	280	4·0	270	3·9	5·0	22
285	6·2	275	3·7	265	5·1	280	6·0	255	3·0	245	2·8	255	4·0	250	3·2	250	4·5	250	4·8	245	4·8	230	3·0	4·6	23
245	5·8	260	6·7	260	4·4	285	6·1	285	5·4	270	4·9	265	4·2	255	3·4	240	4·0	235	4·6	220	5·4	225	5·2	4·8	24
260	5·0	260	5·8	250	4·3	255	4·9	250	5·0	250	4·6	250	6·2	250	6·2	240	4·1	230	3·8	220	4·8	220	5·8	5·6	25
235	7·4	245	7·7	245	7·6	235	6·5	240	6·8	230	6·2	240	8·0	240	7·6	240	7·0	235	5·8	240	7·0	245	8·5	7·9	26
270	8·4	275	7·5	270	7·6	265	6·8	275	7·0	300	6·7	330	5·1	330	5·6	320	5·6	330	5·6	320	5·4	320	5·2	6·3	27
230	1·9	225	2·2	230	1·8	260	1·1	225	1·3	200	1·5	210	1·6	220	1·5	215	2·0	225	1·8	215	1·9	220	1·6	2·5	28
215	4·7	200	4·6	210	4·4	215	4·0	205	4·3	200	4·3	200	5·5	205	5·7	205	5·2	200	5·2	200	(6·4)	200	(7·0)	3·2	29
200	9·6	195	9·5	205	10·7	200	10·2	200	9·5	205	9·4	205	9·0	200	8·4	200	7·4	200	7·5	200	8·3	200	7·5	8·5	30
---	5·1	---	5·1	---	5·0	---	4·9	---	4·8	---	4·3	---	4·2	---	4·1	---	4·1	---	3·9	---	3·9	---	3·9	4·1	

December and Year, 1932.

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	4·8	320	3·5	310	4·4	310	2·8	300	2·4	270	1·5	235	1·0	250	1·1	250	2·0	215	1·4	240	1·3	235	0·7	3·3	1
210	7·4	210	8·4	205	8·1	215	8·0	220	8·0	220	7·0	220	6·1	220	5·6	220	5·9	220	5·5	225	5·0	230	4·8	5·0	2
265	4·5	260	4·3	260	4·6	240	4·4	235	4·4	235	4·5	235	4·3	235	5·0	235	5·0	220	4·3	230	4·6	225	4·8	4·1	3
305	4·0	310	4·2	305	5·0	300	3·7	260	1·5	260	1·6	265	2·0	250	1·8	235	1·6	220	1·5	205	1·9	220	1·0	2·7	4
215	0·8	235	0·9	220	1·1	225	1·0	215	0·3	215	0·6	225	0·6	265	0·3	310	0·1	20	2·2	30	3·3	30	2·2	0·8	5
45	5·7	50	6·1	40	6·0	40	4·7	35	4·4	30	2·9	30	2·4	25	4·0	20	2·8	20	3·3	15	2·1	10	2·0	2·7	6
45	6·4	40	7·1	40	6·8	40	6·0	35	4·8	30	5·0	30	6·0	35	6·1	40	5·2	45	4·7	45	4·8	50	2·5	4·8	7
85	8·0	75	8·1	75	9·5	75	9·8	50	6·6	50	8·0	55	8·0	55	7·7	60	8·5	70	9·8	70	10·5	70	9·3	6·5	8
60	8·4	65	8·5	60	10·0	55	9·9	55	8·6	55	8·3	55	8·1	45	7·7	55	7·2	45	6·7	50	7·2	55	7·8	7·4	9
60	10·3	60	11·0	55	10·2	55	10·4	55	9·5	55	9·4	55	10·5	60	10·5	70	10·9	60	11·7	55	10·9	55	8·5	9·2	10
65	8·5	65	8·5	65	8·5	75	9·0	75	9·5	80	8·0	85	7·7	80	8·2	80	7·9	75	7·9	75	7·5	70	6·9	8·7	11
65	4·7	55	4·3	60	4·2	65	5·0	55	3·4	60	3·0	70	4·2	75	3·3	55	1·7	20	1·8	15	1·5	10	0·8	4·1	12
100	1·8	140	2·3	130	2·9	130	2·4	150	3·6	150	2·9	150	2·0	160	1·0	140	0·6	160	3·8	165	4·3	165	4·6	1·9	13
220	2·0	215	2·4	200	2·5	185	2·0	185	1·4	170	1·6	180	2·3	175	3·0	190	3·7	175	3·0	175	2·2	170	3·4	2·9	14
210	8·0	220	8·1	225	7·0	230	5·5	225	5·5	210	4·8	220	4·5	225	2·5	190	2·6	200	2·9	205	1·8	220	1·4	4·9	15
205	7·3	205	7·6	205	6·6	205	6·7	200	5·6	195	5·8	200	5·0	205	5·8	205	4·6	220	2·2	190	0·7	190	3·0	4·6	16
200	6·5	190	6·8	195	5·6	185	3·5	180	4·3	180	4·5	195	4·3	200	6·4	200	8·7	200	9·6	200	8·5	200	8·7	5·5	17
205	9·1	200	8·3	200	6·5	200	6·5	195	5·0	190	5·0	190	6·5	190	5·0	190	5·9	180	7·3	185	7·2	185	8·6	7·3	18
185	5·3	175	5·8	180	5·2	160	4·2	150	4·6	165	5·2	170	5·6	170	5·3	170	4·5	160	3·3	160	3·6	160	2·9	4·9	19
190	3·8	185	2·3	175	3·8	160	4·2	150	3·7	145	2·5	95	0·9	90	0·9	90	2·2	110	2·1	145	3·6	160	4·8	2·8	20
200	6·2	205	3·7	210	4·9	200	3·0	170	2·4	165	3·3	170	4·5	165	2·8	150	1·8	155	2·1	165	2·2	170	3·9	4·2	21
235	4·3	240	5·0	230	4·6	210	3·6	195	4·3	195	4·8	185	3·6	185	4·5	190	5·1	195	6·0	195	6·2	195	6·3	4·6	22
175	7·7	175	6·7	175	6·1	175	5·2	170	4·9	170	5·2	180	5·5	185	5·3	200	5·3	215	4·5	220	3·5	230	2·6	5·9	23
280	3·9	285	4·0	270	2·3	270	2·6	245	2·1	235	1·8	235	1·5	245	1·5	265	1·7	220	1·3	235	1·1	235	1·3	2·5	24
270	1·2	280	1·5	275	1·5	295	2·5	290	1·6	295	1·3	15	0·4	90	0·1	340	0·3	290	1·1	290	1·2	305	1·5	1·4	25
190	0·6	240	0·6	220	0·8	170	0·6	185	0·4	220	0·3	280	0·8	240	0·8	250	0·8	240	1·2	250	1·6	255	2·2	0·9	26
190	3·6	195	3·6	190	3·8	185	4·1	185	3·8	185	3·9	190	3·4	200	3·8	200	3·8	205	3·6	195	3·8	195	3·3	2·4	27
185	5·0	180	2·7	195	2·5	185	2·8	190	2·3	185	2·3	180	3·1	190	2·3	205	1·8	185	2·6	170	2·6	175	1·9	2·7	28
160	4·4	165	4·5	170	4·7	165	4·2	165	4·5	170	5·0	170	5·3	175	5·6	175	4·9	165	5·0	155	3·8	175	3·5	4·0	29
185	6·5	185	6·2	175	4·1	180	3·1	200	3·5	225	2·4	250	3·8	255	3·3	235	2·0	230	2·2	225	2·9	225	2·0	4·5	30
150	6·1	155	6·7	160	8·1	150	6·3	140	6·5	150	7·0	150	8·0	160	7·6	165	8·5	160	7·0	165	6·5	180	6·1	4·7	31
---	5·4	---	5·3	---	5·2	---	4·8	---	4·3	---	4·2	---	4·3	---	4·2	---	4·1	---	4·2	---	4·1	---	4·0	4·5	
---	5·1	---	5·1	---	5·0	---	4·9	---	4·7	---	4·4	---	4·2	---	3·8	---	3·6	---	3·5	---	3·4	---	3·3	4·0	

0 - 1h 1st Jan. 1933.	185	5·5

523. Richmond (Kew Observatory): H_a = 5 metres + 23 metres. 1932.

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.
	m/s.	h. m.	m/s.	h. m	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	13	11 40	5	(7 50 (9 35	19	13 25	16	21 10	9	18 50	10	14 10
2	16	10 40	10	9 25	6	13 25	15	10 20	13	13 30	12	18 55
3	19	7 0	7	14 50	10	19 0	5	10 30	19	22 50	13	15 50
4	19	19 55	4	15 50	11	14 20	12	11 45	21	1 15	11	4 40
5	21	22 30	9	9 35	12	22 45	14	11 50	17	13 55	11	8 35
6	24	18 50	9	10 5	14	12 50	21	14 40	13	17 30	15	11 40
7	10	10 0	6	17 40	17	22 55	22	18 45	14	18 25	13	11 50
8	5	6 50	9	23 40	16	2 0	23	16 35	10	16 55	12	14 15
9	21	23 40	17	11 10	10	10 40	19	14 5	13	14 40	10	15 30
10	22	1 50	24	16 15	11	16 25	21	2 25	12	13 15	11	15 0
11	13	9 25	17	2 45	15	19 20	23	15 5	12	13 25	14	11 50
12	18	21 20	17	12 35	12	8 50	16	8 10	19	14 20	7	19 20
13	19	5 15	9	12 0	4	12 20	11	23 20	17	14 0	15	21 50
14	20	23 20	13	12 5	8	12 55	17	7 50	9	23 5	16	18 45
15	21	3 25	13	14 45	11	15 35	17	15 10	8	0 50	15	11 0
16	20	22 5	10	11 50	12	21 55	18	8 45	8	9 5	13	21 20
17	19	3 25	12	13 40	15	18 15	16	20 15	11	13 25	10	18 25
18	15	4 15	10	0 15	11	12 5	15	18 30	16	10 45	12	20 30
19	9	0 5	13	14 25	9	14 45	8	12 5	13	12 55	12	7 25
20	6	17 35	15	11 40	7	12 5	19	12 30	13	11 10	10	14 50
21	8	15 5	10	13 40	9	14 55	18	12 45	13	11 35	11	13 50
22	10	10 40	14	11 0	9	8 20	12	14 50	16	8 5	9	12 55
23	7	22 10	12	15 20	8	14 35	13	16 50	9	23 30	10	16 30
24	10	11 0	17	12 35	8	23 35	7	10 10	15	13 35	12	21 35
25	7	22 55	15	2 50	14	13 50	11	17 5	12	12 35	13	10 45
26	9	15 5	9	23 10	13	7 40	15	17 10	10	14 20	11	11 5
27	9	9 35	17	22 35	22	24 0	12	15 30	7	10 40	13	17 25
28	9	19 20	22	4 35	22	0 0	14	15 50	11	14 45	17	14 15
29	8	13 55	21	3 20	18	23 55	13	11 50	13	13 45	14	16 25
30	7	17 5	--	-- --	26	4 25	17	12 55	7	11 25	17	14 30
31	6	18 5	--	-- --	14	11 15	--	-- --	9	18 5	--	-- --

Day.	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.
1	19	2 0	12	14 0	13	15 10	16	11 00	9	13 5	16	2 20
2	14	16 5	9	18 25	19	21 40	18	16 20	13	14 25	16	13 45
3	15	13 40	12	15 30	18	0 50	13	15 20	16	7 10	13	1 0
4	18	14 15	13	15 45	11	16 55	10	13 50	15	15 55	10	15 0
5	7	10 15	11	14 50	14	14 40	9	12 30	13	4 15	7	22 45
6	13	17 55	14	14 30	17	13 10	13	14 55	14	15 25	13	14 40
7	10	12 30	8	0 0	12	10 35	17	13 20	15	10 40	15	14 40
8	9	15 35	9	12 45	18	11 15	19	11 25	7	0 10	19	22 5
9	7	14 5	5	14 10	9	17 0	8	15 25	5	12 50	19	15 30
10	9	13 5	10	11 45	16	15 10	10	23 30	8	17 5	22	20 40
11	9	12 25	11	14 25	22	9 20	10	17 30	15	10 20	21	8 25
12	7	11 10	14	14 40	14	12 50	11	23 10	12	23 20	11	0 55
13	13	15 40	11	17 55	9	20 10	21	9 55	19	9 20	8	21 45
14	10	20 35	11	21 30	13	10 0	13	21 40	9	0 30	10	2 25
15	8	1 50	13	16 10	5	20 25	18	10 15	12	21 35	16	13 25
16	12	22 50	7	4 25	9	12 20	12	23 45	14	16 35	15	13 35
17	16	14 15	11	12 0	6	16 20	16	12 45	11	10 10	18	20 35
18	15	14 25	9	21 35	10	18 35	21	4 35	8	16 30	17	21 20
19	12	16 10	10	15 0	8	13 30	13	23 50	6	16 25	15	0 5
20	13	16 55	13	23 25	10	20 25	15	2 5	8	20 50	10	22 45
21	11	13 0	13	15 20	11	12 20	18	8 40	9	12 20	13	10 5
22	13	15 15	14	20 10	14	9 40	20	10 50	18	12 15	14	23 5
23	12	10 50	11	9 55	8	16 50	15	13 20	17	15 5	18	12 0
24	15	11 50	12	20 15	11	21 40	7	0 50	17	13 20	10	12 35
25	11	12 20	14	12 20	16	3 45	16	21 15	14	6 25	5	3 30
26	17	17 5	10	0 45	9	14 50	17	11 15	18	6 15	6	23 55
27	19	12 25	6	13 40	19	14 45	9	12 40	18	11 45	10	13 50
28	15	11 25	6	20 25	14	16 45	17	16 30	15	2 40	11	12 20
29	17	10 30	12	13 40	19	13 30	20	20 0	13	23 30	13	19 50
30	12	10 15	17	13 10	13	20 30	20	14 30	20	14 45	14	10 45
31	16	13 35	15	11 55	--	-- --	18	10 20	--	-- --	16	20 15

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

524. Richmond (Kew Observatory): H_a = 5 metres + 23 metres. 1932.

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	3	16	233	335	160	0	250	12	6 18 30	24	6 18 50
Feb.	--	0	3	19	158	406	113	0	65	12	28 15 30	24	10 16 15
Mar.	--	0	3	9	201	378	156	0	190	12	30 3 30	26	30 4 25
Apr.	--	0	3	11	294	370	45	0	215	12	10 5 30	23	11 15 5
May	--	0	0	0	122	468	154	0	225	10	12 14 30	21	4 1 15
June	--	0	0	0	144	453	123	0	225	9	28 13 30	17	30 14 30
July	--	0	1	1	151	417	175	0	220	11	1 14 30	19	1 2 0
Aug.	--	0	0	0	73	460	211	0	85	8	25 12 30	17	30 13 10
Sept.	--	0	2	2	196	371	151	0	85	12	29 11 30	22	11 9 20
Oct.	--	0	1	1	193	425	125	0	210	11	29 19 30	21	18 4 35
Nov.	--	0	0	0	183	439	98	0	205	11	30 14 30	20	30 14 45
Dec.	--	0	2	7	208	414	115	0	60	12	10 21 30	22	10 20 40
Year.	--	0	18	66	2156	4936	1626	0	190 215 85	12	Mar.30 3 30 Apr.10 5 30 Sep.29 11 30	26	Mar.30 4 25

525. Richmond (Kew Observatory). Readings in degrees absolute at 9h., Greenwich Mean Time. 1932.

Month.	Jan.		Feb.		Mar.		Apr.		May		June	
Day.	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	75·6	80·5	76·7	80·1	75·6	78·9	80·9	79·5	83·7	81·3	86·9	84·3
2	76·6	80·4	76·9	80·0	75·3	78·7	80·4	79·7	84·2	81·4	87·3	84·4
3	78·7	80·0	77·3	79·9	75·0	78·7	80·5	79·8	83·9	81·5	87·8	84·5
4	80·0	80·2	76·6	79·8	75·1	78·6	80·8	79·9	82·9	81·7	87·0	84·5
5	80·0	80·1	76·8	79·8	75·2	78·6	80·7	80·0	81·8	81·8	86·0	84·7
6	80·6	80·4	77·4	79·7	76·0	78·4	80·8	80·1	81·3	81·9	85·3	84·7
7	80·7	80·4	76·7	79·7	76·2	78·4	81·1	80·2	81·2	81·8	86·0	84·7
8	79·2	80·6	75·7	79·7	77·4	78·5	80·6	80·4	81·8	81·7	86·9	84·7
9	77·7	80·6	76·3	79·5	77·1	78·4	80·3	80·4	82·3	81·7	87·3	84·7
10	78·5	80·6	76·0	79·5	76·2	78·5	81·0	80·4	81·1	81·8	87·7	84·8
11	78·9	80·5	75·1	79·4	76·1	78·5	80·3	80·4	82·2	81·8	88·2	84·9
12	78·2	80·4	75·0	79·3	76·0	78·6	79·4	80·5	83·4	81·8	88·8	85·0
13	78·7	80·5	74·8	79·1	75·2	78·5	79·2	80·5	84·4	82·0	89·8	85·2
14	78·8	80·4	75·1	79·1	74·9	78·5	80·2	80·4	84·6	82·0	89·3	85·5
15	78·8	80·4	75·7	79·0	74·8	78·5	80·0	80·5	86·0	82·2	88·9	85·5
16	79·5	80·4	76·0	78·7	75·2	78·3	79·6	80·4	86·5	82·4	89·2	85·7
17	80·2	80·4	76·0	78·7	75·6	78·2	79·4	80·4	86·2	82·6	89·6	85·8
18	80·4	80·4	76·0	78·7	75·8	78·1	79·0	80·4	86·8	82·7	89·8	85·9
19	81·0	80·5	75·4	78·6	75·7	78·2	79·2	80·4	87·2	83·0	90·0	86·1
20	81·0	80·6	76·0	78·6	76·5	78·2	79·8	80·4	88·2	83·2	89·2	86·2
21	80·0	80·7	75·9	78·7	77·5	78·2	79·7	80·4	88·6	83·6	88·7	86·2
22	79·0	80·8	76·2	78·6	78·9	78·3	80·0	80·4	80·8	83·7	88·2	86·4
23	79·7	80·8	77·0	78·7	78·1	78·5	80·8	80·4	88·2	83·7	89·0	86·4
24	79·2	80·8	77·5	78·6	78·3	78·5	81·2	80·4	87·6	84·1	89·2	86·4
25	78·0	80·8	77·8	78·7	78·2	78·7	81·2	80·6	85·9	84·3	89·6	86·4
26	77·9	80·6	77·4	78·7	78·4	78·7	81·6	80·7	85·0	84·4	90·0	86·4
27	77·8	80·6	77·3	78·9	79·1	78·9	82·3	80·8	85·2	84·4	90·0	86·5
28	77·4	80·5	77·0	78·8	79·8	79·0	82·6	80·9	85·1	84·2	91·2	86·7
29	77·1	80·4	76·1	78·9	80·0	79·1	82·8	81·0	85·3	84·3	90·8	86·8
30	76·8	80·2	---	---	80·6	79·2	82·8	81·1	85·8	84·2	90·8	86·9
31	77·0	80·2	---	---	80·8	79·3	---	----	86·3	84·3	---	---
Mean.	78·8	80·5	76·3	79·2	76·9	78·6	80·6	80·4	84·6	82·8	88·6	85·6

Month.	July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A
1	90·7	87·0	90·1	88·1	89·8	89·5	86·2	87·1	80·2	84·3	79·8	82·0
2	90·6	87·2	90·1	88·1	90·6	89·5	84·6	87·0	81·0	84·1	78·5	82·0
3	90·0	87·2	90·2	88·2	91·1	89·4	84·0	86·9	82·3	84·0	79·1	82·1
4	90·1	87·4	90·4	88·2	89·3	89·4	83·0	86·9	82·8	83·9	78·2	81·8
5	90·8	87·4	90·3	88·2	89·0	89·3	83·0	86·6	83·0	83·9	77·2	81·8
6	90·4	87·4	91·2	88·2	89·2	89·2	83·0	86·6	81·9	83·9	77·0	81·6
7	90·4	87·5	92·0	88·4	89·2	89·1	83·7	86·2	81·5	83·9	76·2	81·4
8	90·7	87·6	92·6	88·5	89·1	89·0	84·2	86·2	81·0	83·9	76·0	81·2
9	91·7	87·6	92·0	88·6	89·0	89·0	83·8	86·0	81·0	83·9	76·1	81·1
10	92·8	87·7	92·5	88·6	89·2	88·9	83·0	86·1	80·0	83·6	76·1	80·9
11	93·6	87·9	92·6	89·0	88·8	88·9	83·2	85·9	80·2	83·6	76·0	80·7
12	92·9	88·1	93·2	89·0	88·2	88·8	83·6	85·8	80·6	83·4	76·0	80·4
13	92·8	88·1	92·4	89·0	88·3	88·7	84·4	85·6	81·0	83·3	76·0	80·3
14	91·7	88·3	92·0	89·1	89·7	88·7	83·2	85·7	80·7	83·1	77·2	80·2
15	92·0	88·4	91·6	89·1	89·7	88·6	83·1	85·5	80·1	83·2	77·5	80·2
16	91·0	88·5	91·8	89·2	89·7	88·6	83·3	85·5	80·1	83·1	78·0	80·2
17	90·9	88·4	92·0	89·2	89·7	88·6	84·0	85·4	80·3	83·0	78·4	80·2
18	89·2	88·5	93·0	89·2	90·0	88·6	84·1	85·4	79·8	82·9	79·6	80·3
19	88·3	88·5	93·9	89·3	89·1	88·6	83·0	85·3	79·6	82·8	79·9	80·4
20	90·0	88·4	94·1	89·5	88·0	88·6	83·6	85·3	79·8	82·7	79·5	80·4
21	90·5	88·3	94·0	89·5	86·9	88·5	84·9	85·1	80·0	82·7	79·6	80·5
22	90·4	88·2	93·0	89·8	86·0	88·4	85·4	85·1	78·8	82·5	79·8	80·8
23	89·4	88·2	91·7	89·8	86·3	88·2	84·3	85·1	79·6	82·5	79·7	80·8
24	89·3	88·1	91·3	89·9	85·8	88·1	83·8	85·2	79·0	82·4	79·7	80·8
25	89·6	88·2	91·0	89·8	86·1	87·9	82·9	85·2	80·0	82·3	79·0	80·9
26	89·1	88·1	91·2	89·7	86·0	87·9	83·8	85·1	81·0	82·2	79·0	81·0
27	89·2	88·1	90·7	89·7	85·5	87·6	83·1	85·0	80·6	82·2	78·8	80·9
28	89·2	88·1	91·1	89·6	84·7	87·6	82·4	85·0	79·2	82·2	78·8	80·9
29	89·7	88·1	91·3	89·6	85·0	87·4	81·0	84·7	78·0	82·2	79·0	80·9
30	90·1	88·0	91·5	89·5	85·4	87·2	81·0	84·7	79·2	82·1	79·2	80·9
31	90·5	88·0	91·1	89·5	---	---	81·0	84·4	---	---	78·6	80·9
Mean.	90·6	88·0	91·8	89·1	88·1	88·6	83·5	85·7	80·4	83·1	78·2	80·9

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.

526. Richmond (Kew Observatory). 1932.

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	62·9	65·3	71·2	76·2	79·0	78·4	89·2	83·2	76·6	84·4	69·6	79·5
2	80·2	72·8	64·3	76·1	82·8	83·6	84·9	85·0	89·4	72·4	78·5	67·8
3	83·5	68·2	64·9	74·8	81·8	81·0	78·0	85·1	90·1	73·7	84·2	75·4
4	81·2	65·8	66·8	73·8	78·6	81·1	83·0	83·0	77·0	70·9	76·5	71·5
5	78·2	74·4	64·0	71·5	72·5	79·5	82·4	81·3	76·5	74·9	76·9	67·2
6	82·3	76·5	69·4	76·5	68·4	75·1	84·0	87·0	85·8	71·0	69·9	66·8
7	74·8	65·4	67·7	77·4	72·4	78·8	83·0	85·7	82·2	78·1	74·0	66·9
8	68·7	64·9	77·5	75·6	70·8	80·6	81·1	83·4	82·9	82·0	71·7	71·8
9	66·5	73·8	64·4	70·1	69·8	77·3	86·0	83·2	81·0	76·2	77·5	73·7
10	79·5	68·8	63·9	81·0	70·3	75·1	85·2	83·1	81·2	71·2	70·4	74·6
11	77·2	69·1	65·6	73·2	75·2	82·0	85·0	81·7	82·4	76·3	76·8	72·1
12	70·4	67·5	66·1	71·2	83·0	82·0	86·3	87·2	81·3	78·0	79·1	73·3
13	77·8	66·1	61·9	67·4	84·0	83·8	88·7	84·8	80·3	82·2	80·0	69·2
14	71·6	73·4	62·5	77·5	82·0	81·0	81·9	79·6	87·7	75·9	77·8	71·4
15	78·0	73·9	66·3	71·3	83·7	80·2	87·2	88·4	82·8	77·3	73·3	71·9
16	78·2	69·2	68·9	75·4	85·3	84·0	83·4	88·9	80·3	80·0	76·8	71·3
17	79·4	68·6	70·4	78·0	80·3	79·2	85·8	84·5	82·0	81·0	79·0	74·1
18	76·5	68·2	66·4	73·0	74·6	77·1	77·6	84·8	84·4	80·5	75·2	82·2
19	80·9	68·3	62·4	75·4	85·0	77·2	76·1	87·9	83·2	71·8	76·4	77·5
20	75·3	70·3	68·1	77·4	80·3	83·0	81·4	87·6	76·4	81·2	78·1	72·6
21	70·0	66·8	74·2	73·2	83·0	79·5	79·2	89·6	75·5	83·4	72·1	74·3
22	68·8	73·4	79·1	70·4	84·0	75·9	84·6	87·2	75·7	85·0	70·2	78·0
23	76·9	73·6	66·9	75·4	82·1	77·0	80·2	85·0	83·6	73·3	76·2	77·4
24	71·6	76·0	69·8	73·0	80·6	80·9	82·4	85·2	74·8	79·0	73·5	73·4
25	67·1	76·7	65·5	69·7	73·6	83·0	87·8	84·9	77·5	71·0	79·6	71·1
26	71·9	72·4	73·8	74·2	71·0	84·7	82·2	86·6	75·7	83·0	80·8	76·1
27	72·1	75·5	78·7	78·5	74·3	79·2	84·8	81·0	73·5	72·6	76·0	74·4
28	72·0	71·2	76·6	80·5	81·6	83·3	83·6	84·0	76·9	75·5	71·0	72·2
29	73·9	73·1	76·7	75·7	81·0	82·0	88·5	83·3	80·4	69·5	69·4	77·5
30	67·0	---	80·0	74·7	81·0	82·5	88·0	87·8	76·5	77·1	79·5	78·4
31	67·2	---	78·0	---	75·1	---	83·2	82·4	----	76·3	---	69·6
Mean.	74·2	70·6	69·4	74·6	78·3	80·3	83·7	84·9	80·5	76·9	75·7	73·3

The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0.
Note.- The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.

HEIGHT IN CM. ABOVE M.S.L. OF SURFACE OF UNDERGROUND WATER.

Daily Means and Extremes for Months.

527. Richmond (Kew Observatory). 1932.

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	182	207	182	167	181	246	192	173	166	167	205	303
2	181	205	181	168	180	246	190	172	166	167	217	298
3	179	203	180	170	181	245	189	173	166	168	225	295
4	179	201	179	171	184	246	188	175	167	169	231	291
5	178	200	178	172	187	245	188	177	168	170	231	286
6	177	198	177	173	190	245	187	178	169	171	229	281
7	176	197	176	174	194	243	187	179	170	170	227	276
8	177	196	175	175	198	240	186	179	169	168	225	271
9	180	196	175	176	203	238	185	179	169	166	221	266
10	184	196	174	177	207	235	185	178	167	165	218	262
11	186	197	174	177	211	232	184	176	166	163	215	258
12	189	197	174	177	214	228	184	175	165	163	213	255
13	193	196	174	177	214	225	183	173	165	162	211	251
14	198	195	174	176	213	222	182	172	164	162	210	247
15	202	193	173	175	211	220	181	171	164	162	209	243
16	207	192	173	173	209	218	181	171	165	164	207	240
17	210	191	172	171	208	215	180	171	165	166	206	237
18	211	189	171	171	208	213	181	171	167	167	204	233
19	213	187	170	172	210	212	181	171	169	168	203	230
20	214	185	169	173	212	211	182	172	171	167	201	227
21	215	183	167	174	214	209	181	172	172	167	200	225
22	215	182	166	175	217	208	181	172	173	167	198	222
23	214	182	165	177	223	206	181	173	173	168	197	219
24	214	182	165	180	229	205	180	173	172	170	195	216
25	213	182	164	183	235	203	179	173	170	173	194	214
26	212	183	164	185	240	201	179	171	168	175	194	212
27	211	183	164	186	243	200	178	170	167	178	194	211
28	211	183	164	185	245	198	177	169	166	182	244	209
29	210	183	164	184	246	196	176	168	166	187	299	209
30	209	---	164	182	246	194	175	167	166	192	305	208
31	208	---	165	---	246	---	174	167	---	197	---	207
Mean.	198	192	171	176	213	221	182	173	167	170	218	245

Annual Mean = 194 cms.
Extremes for the months:- Jan., 215, 176; Feb., 207, 182; Mar., 183, 164., April, 186, 166; May, 246, 180; June, 246, 193; July, 193, 173; August, 179, 167; Sept., 173, 164; Oct., 199, 161; Nov., 306, 193; Dec., 3C5, 206.

528. Richmond (Kew Observatory). **January, 1932.**

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-Cu:Ci-St:A-Cu.	Fr-Nb:Ci-St.	St-Cu.	8	10	10	10	9	10	F	H	G	G	i	J	...	●°	...	...	...	...	f ␣ early *a* : ⌒ 9^h : d ●° *a* : ● ●° *n*.
2	St:A-St.	St:St-Cu:A-St.	St-Cu:A-St.	10	10	10	10	10	10	J	K	J	G	H	H	...	...	...	...	...	...	p ●° *p*.
3	St-Cu:St.	St-Cu.	St-Cu:Cu.	9	10	10	--	8	8	J	J	J	-	J	J	...	...	...	—	...	...	⸗ (gusts) *a*, *p*, *n*.
4	St-Cu.	St-Cu.	St-Cu:St.	9	9	9	9	9	10	J	i	K	K	J	J	...	...	...	...	...	...	d ●° *p* : ⸗ (gusts) *p*, *n*.
5	St-Cu.	St-Cu:A-Cu.	Fr-Cu:St-Cu:A-Cu.	8	10	9	9	7	10	J	i	i	i	i	i	...	...	...	...	...	...	⸗ (gusts) *a*, *p*, *n* : ●° ● *n*.
6	St-Cu:Cu-Nb:A-St.	Nb:A-St.	St-Cu:Ci.	8	9	10	10	4	10	J	J	i	H	K	K	...	...	●°	●	...	●	⸗ (gusts) ● early *a*, *a*, *p*, *n*.
7	St:St-Cu:A-St:Ci.	St:St-Cu:A-St.	St-Cu:A-St.	7	9	10	6	10	2	J	H	H	H	G	i	...	...	...	...	...	...	p ●° p.
8	St.	---	St.	10	10	0	1	10	1	C	C	E	F	C	D	...	...	...	...	...	...	f ␣ early *a* : f *a* : m *p* : f ␣ *n*.
9	St.	A-Cu:Ci.	Nb:Ci:Ci-St.	10	10	5	9	10	10	A	A	i	i	i	J	...	...	...	...	●°	●°	f ␣ V early *a* : ●° *p*, *n* : ⸗ (gusts) *n*.
0	Nb.	Nb.	Nb:Fr-Cu.	10	9	10	--	10	10	i	J	i	-	J	J	●°	...	●	—	●°	●°	⸗ (gusts) ● early *a*, *a*, *p* : ●° *n*.
11	A-St.	Cu:A-Cu:Ci.	Nb:A-St:A-Cu.	8	7	6	8	9	1	J	G	i	G	G	G	●°	...	...	...	●°	...	● ●° early *a*, *a*, *p*.
12	A-St.	Cu:Ci.	Fr-Cu:A-St.	1	0	1	8	10	10	i	F	i	i	G	J	...	...	...	...	...	...	␣ early *a* : m 9^h : ⊕ 15^h : ⸗ (gusts) *n*.
13	Nb:St-Cu.	Fr-Cu.	St-Cu.	10	10	1	7	1	0	J	H	J	i	J	i	●°	●°	...	...	...	...	⸗ (gusts) ●° early *a* : p ●° *p*.
14	A-Cu.	Cu:Fr-Cu:Ci.	Ci-St:Ci.	1	0	8	7	8	9	J	G	J	J	i	i	...	...	...	...	...	...	⏛ early *a* : ⊍ 18^h : ⸗ (gusts) *n*.
15	Cu:St-Cu.	Cu:Ci.	Fr-Cu:Cu:Ci.	1	0	7	6	5	10	J	i	J	J	J	J	...	...	...	...	...	...	⸗ (gusts) ● early *a* : ⏛ *n*.
16	St-Cu:A-St.	St:St-Cu:A-St.	St-Cu:St:A-St.	10	10	10	10	9	10	K	J	J	J	J	J	...	...	...	...	●°	...	⏛ early *a* : d ●° *a*, *p*.
17	St-Cu:A-St.	St-Cu:A-Cu.	St:Ci-St.	3	9	4	--	2	6	K	i	G	-	G	G	...	...	...	—	...	...	● ●° early *a* : ⏛ *n*.
18	St:St-Cu.	St.	St-Cu:St.	10	9	10	10	9	9	J	i	i	H	G	i	...	...	...	...	...	...	⏛ *n*.
19	St:St-Cu:A-St.	St.	Ci.	10	9	9	9	1	10	J	H	H	H	E	E	...	...	...	...	...	...	⏛ early *a* : f ⏛ *n*.
20	St.	St.	Cu:St-Cu.	10	10	10	1	3	2	E	C	G	G	G	F	...	...	...	...	...	...	f ⏛ early *a* : m ⏛ *n*.
21	St.	Fr-St	---	10	9	1	1	0	0	B	C	E	G	F	D	...	...	...	...	...	...	f ␣ early *a* : f ⏛ *a* : f ␣ *n*.
22	St.	St.	St.	9	10	10	10	10	10	G	G	G	G	G	E	...	...	...	...	...	...	●° *a* : f *p*.
23	St:St-Cu.	St.	St:Fr-St.	10	9	10	10	9	0	i	H	G	G	G	F	...	...	...	...	...	...	m ⏛ *n*.
24	---	St.	St.	0	0	10	--	9	0	G	E	G	-	G	F	...	...	...	—	...	...	f *a* : f ␣ *n*.
25	---	St.	St.	0	10	10	10	10	0	C	X	A	A	B	F	...	...	...	...	...	...	f ␣ *a* : f *p* : m ⏛ *n*.
26	St:St-Cu.	St-Cu.	St-Cu.	9	0	9	9	9	9	G	E	E	G	E	F	...	...	...	...	...	...	f *a*, *p*.
27	St-Cu.	Fr-St.	St.	9	9	1	1	10	10	i	G	G	F	G	G	...	...	...	...	...	...	⏛ *a*.
28	St.	St.	St.	10	10	10	10	10	10	G	G	F	F	G	G	...	...	...	...	...	...	m *p*.
29	St.	St.	St.	10	10	10	9	10	0	G	G	G	G	G	G	...	...	...	...	...	...	
30	St-Cu.	St.	St.	9	10	10	10	10	6	E	C	E	E	E	F	...	...	...	...	...	...	f *a*, *p* : m *n*.
31	St-Cu.	St-Cu.	St-Cu.	9	9	8	--	9	9	E	D	F	-	G	F	...	...	...	—	...	...	f *a* : m *n*
Mean Cloud Am'nt.				7·7	7·9	7·7	7·7*	7·7	6·5													

529. Richmond (Kew Observatory). **February, 1932.**

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	C	C	D	C	E	C	...	...	...	...	...	...	f *a*, *p*, *n* : ␣ early *a*.
2	St:A-St.	St-Cu.	St-Cu.	10	10	9	9	9	9	G	G	G	G	G	F	...	...	...	...	...	...	f early *a*, ⏛ *a* : z *n*.
3	St-Cu.	---	---	1	0	0	0	0	0	D	D	G	H	F	D	...	...	...	...	...	...	f *a* : m to f, ␣ : *n*.
4	St.	---	St.	10	10	0	0	10	10	B	B	D	E	C	C	...	...	...	...	...	...	f *a*, *p*, *n* : ␣ *a*.
5	St:A-St.	St:St-Cu.	St.	10	10	9	10	10	10	G	H	F	G	G	F	...	...	...	...	...	...	f early *a*, ⏛ *a* : m *n*.
6	St-Cu.	St-Cu:Cu.	St-Cu.	10	9	9	9	8	0	G	G	G	G	G	F	...	...	...	...	...	...	m to f, ␣ *n*.
7	St.	---	---	10	10	0	--	0	0	A	B	D	-	F	F	...	...	...	—	...	...	f ␣ *a* : f *p* : m ␣ *n*.
8	St-Cu.	A-St:Ci-St.	St:St-Cu.	10	7	9	9	10	9	F	E	F	F	F	F	...	...	...	...	...	...	m to f, ␣ *a* : m *p*, *n*.
9	St:St-Cu.	St-Cu.	St-Cu.	9	7	10	10	10	9	G	H	G	H	F	G	...	...	...	...	...	...	m *n*.
10	St-Cu:A-St.	St-Cu.	Nb:St-Cu.	1	9	9	7	7	9	J	F	i	i	G	G	...	*	...	...	...	...	p *° *a*, *p*, *n*.
11	St-Cu:A-Cu.	Cu:St-Cu:Ci.	St:St-Cu.	6	8	9	8	9	10	G	G	H	H	H	G	...	...	...	...	...	...	p *° *a* and *p*.
12	Cu:St-Cu.	Cu:St-Cu:Ci.	St-Cu.	2	2	7	5	2	2	J	H	i	H	F	G	...	...	...	...	...	...	p * *a*, ␣ early.
13	St-Cu.	St:A-Cu.	St.	9	9	9	9	9	10	G	F	G	G	F	F	...	...	...	...	...	...	m *a* and *n*.
14	St-Cu.	Cu:St-Cu.	St:St-Cu:A-St.	9	4	3	--	10	10	i	G	i	-	G	J	...	...	...	—	...	...	m early *a* : p ●° 17^h.
15	St-Cu:A-St:A-Cu.	St-Cu:A-Cu.	Cu:St-Cu.	8	9	9	9	9	1	G	F	H	H	G	G	...	...	...	...	...	...	p ● early *a*.
16	St:St-Cu:A-Cu.	St-Cu.	St-Cu.	9	9	10	8	9	10	G	F	H	H	H	G	...	...	...	...	...	...	●° *a*.
17	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	1	F	E	F	F	F	F	...	...	...	...	...	...	m ␣, f *a* : z *p* and *n*.
18	---	---	---	0	0	0	0	0	0	F	D	F	G	F	F	...	...	...	...	...	...	m, f ␣ *a* : m *n*.
19	St:St-Cu.	St:St-Cu	St-Cu.	9	10	10	9	10	10	G	F	G	G	G	G	...	...	...	...	...	...	m *a*.
20	St.	St:St-Cu.	St-Cu.	9	9	10	9	10	9	G	H	H	H	G	G	...	...	...	...	...	...	
21	St-Cu:Cu:A-Cu.	St-Cu.	St:St-Cu.	3	0	6	-	10	0	G	G	i	-	G	G	...	...	...	—	...	...	␣ early *a*.
22	St-Cu:A-St.	St-Cu:A-Cu:A-St.	St:St-Cu:A-St.	10	10	9	9	10	9	G	G	G	H	G	G	...	...	...	●°	...	...	p ●° late *a* and early *p*.
23	St:Fr-Cu.	St-Cu:A-Cu:A-St.	St-Cu.	10	10	10	10	10	10	G	G	G	H	G	F	...	...	...	...	...	...	m *n*.
24	Cu-Nb:A-Cu:A-St.	Cu:St-Cu.	Cu:Nb:A-St.	9	10	9	9	9	9	i	G	H	G	i	i	...	●°	●°	...	●°	...	●° *a* : p ●° *p*.
25	St:St-Cu.	St:St-Cu.	St:St-Cu.	9	9	10	10	10	10	G	G	G	G	F	G	...	...	...	...	...	...	●° 17^h : z early *n*.
26	St:St-Cu:A-Cu.	St:St-Cu.	St-Cu.	10	9	10	10	10	10	G	F	E	F	F	i	...	...	...	...	...	...	f late *a* : z p.
27	St-Cu.	Cu:St-Cu.	St:St-Cu.	9	1	7	8	7	10	J	G	H	H	G	J	...	...	...	...	...	...	
28	St-Cu.	---	St-Cu.	8	8	0	--	9	10	i	i	i	-	G	i	...	...	...	—	...	...	⸗ (gusts) *a*, *p* and *n*.
29	St-Cu.	St:St-Cu.	Cu:St-Cu.	10	10	10	9	8	0	i	H	H	H	G	G	...	...	...	...	...	...	⸗ (gusts) *a* and *p*.
Mean Cloud Am'nt.				7·9	7·6	7·3	7·8†	8·1	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.						

NOTE. - Observations are not taken at 15h. on Sundays, Good Friday and Christmas Day.

* Mean of 26 days. † Mean of 25 days.

530. Richmond (Kew Observatory). March, 1932.

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-Cu:Cu.	Cu:Fr-Cu.	---	4	6	2	0	0	0	G	H	H	H	G	F	...	...	...	...	...	...	⇀ (gusts) *a* and *p* : z *n*.
2	---	---	---	0	0	0	0	0	0	F	D	F	G	F	G	...	...	...	...	...	...	m to f *a* : z *p*.
3	St-Cu:A-Cu.	A-Cu.	A-Cu.	3	5	7	8	1	0	F	E	G	H	G	G	...	...	...	...	...	...	⊔ m to f *a*.
4	Cu:St-Cu:A-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	G	G	G	H	G	G	...	...	...	...	...	...	
5	St-Cu.	St-Cu.	St-Cu.	9	10	9	9	9	9	G	E	G	G	G	J	...	...	...	...	...	...	f *a* : p ● *n*.
6	St-Cu.	Cu:St-Cu:Ci-St.	Cu:St-Cu:Ci.	1	2	6	--	2	4	K	G	i	-	i	J	...	...	...	—	...	...	*p* ● early *a* : p ●^{0} *p*.
7	Ci:Ci-St.	Cu:St-Cu.	St:Fr-St:A-St.	6	3	6	10	10	6	H	i	J	i	G	J	...	...	...	...	...	...	●^{0} late *p*.
8	St:Nb:A-St.	St:St-Cu.	St-Cu:A-St.	10	10	10	10	10	10	K	i	G	i	G	G	...	●^{0}	●^{0}	...	●^{0}	...	●^{0} *a*, *p* and early *n*.
9	Ci.	Cu:St-Cu.	Cu:St-Cu:A-Cu.	3	5	8	8	7	0	G	H	H	H	G	G	...	...	...	...	...	...	[and z early *n*.
10	St.	Cu:St-Cu.	St:St-Cu.	10	3	7	9	9	9	C	E	H	H	F	F	...	...	...	...	...	...	⊔ f early *a* : p ●^{0} and z late *p* : p ●
11	St-Cu:A-Cu.	Cu:St-Cu.	St-Cu:A-Cu.	3	6	7	7	9	4	G	H	i	i	G	i	...	...	...	...	...	...	⊔ early *a* : ✱^{0} late *p*.
12	---	---	Ci.	0	0	0	0	2	0	i	H	H	H	H	F	...	...	...	...	...	...	m early *n*.
13	---	St.	---	0	0	10	--	0	0	F	E	C	-	D	D	...	...	...	—	...	...	f *a*, *p* and *n*.
14	----	---	---	0	0	0	0	0	0	C	C	G	G	F	G	...	...	...	...	...	...	f *a* : z late *p*.
15	St:A-St.	St-Cu.	---	10	10	9	0	0	0	G	G	G	G	F	F	●^{0}	...	...	...	...	...	●^{0} early *a* : z late *p* : z n.
16	St.	---	Ci.	10	10	0	0	1	0	G	H	G	G	F	G	...	...	...	...	...	...	z late *p* and early *n*.
17	St:St-Cu.	St:St-Cu.	St-Cu.	2	10	10	9	9	7	G	F	G	H	H	i	...	...	...	...	...	...	z *a*.
18	St:St-Cu:A-Cu.	St-Cu:A-Cu.	Cu:St-Cu.	2	10	10	10	7	0	G	G	H	H	H	E	...	...	...	...	...	...	f *n*.
19	---	St-Cu.	St:St-Cu:A-Cu.	0	0	7	6	9	9	D	F	G	J	G	F	...	...	...	...	...	...	f to z early *a* : z *n*.
20	Ci-St.	Cu:A-Cu.	St-Cu:A-Cu:Ci-St.	3	9	4	--	10	8	G	G	H	-	G	G	...	...	...	—	...	...	⊕ 0650 to 1000^h.
21	St-Cu.	St-Cu:A-Cu.	St-Cu:A-St.	9	9	9	10	10	9	G	H	i	i	G	i	...	...	...	...	...	...	
22	St.	St.	St-Cu:A-Cu:Ci.	10	10	10	10	5	10	F	G	G	H	G	A	...	●^{0}	●	●^{0}	...	...	m ●^{0} ● *a* : ● ●^{0} *p* : f *n*.
23	---	Cu:St-Cu.	A-Cu.	0	0	9	10	3	10	G	F	H	H	F	G	...	...	●^{0}	...	...	...	f m ●^{0} *a* : ●^{0} z *p*.
24	St.	---	Ci-St.	10	0	0	8	4	0	C	F	i	H	G	G	...	...	...	...	...	...	f to m early *a*.
25	---	Ci:Ci-St.	St:A-St:Ci.	0	0	1	-	7	0	i	i	J	-	G	i	...	...	...	—	...	...	
26	St:A-St:Ci.	Ci:Ci-St.	Nb.	6	7	9	10	10	10	G	G	G	F	F	F	...	...	...	●^{0}	●^{0}	...	z ●^{0} *p* and *n*.
27	St:A-St.	St-Cu.	Nb:St.	10	10	10	--	10	10	i	H	i	-	G	J	...	...	●^{0}	—	●^{0}	●	●^{0} *a* and *p* : ●^{0} ● *n* with ⇀ (gusts).
28	Cu:St-Cu.	Cu-Nb:Fr-Cu.	Cu-Nb:Fr-Cu.	4	9	9	9	4	2	J	J	J	J	J	J	...	...	...	...	...	...	●^{0} ● ⇀ (gusts) *a* and *p*.
29	Cu.	St-Cu:Nb.	Cu:St-Cu.	1	9	10	0	9	9	J	J	H	i	i	i	...	...	●	●^{0}	...	...	● *a* : ●^{0} *p* : ⇀ (gusts) *n*.
30	St-Cu:A-St.	Cu:St-Cu.	Cu:Nb:Ci.	10	8	9	8	7	3	K	K	J	J	J	K	...	...	...	...	●^{0}	...	● ●^{0} ⇀ (gusts) *a* : ●^{0} *p* and *n*.
31	St:St-Cu:A-Cu.	Cu:St-Cu:Ci.	Cu-Nb:Fr-Cu:Ci.	8	9	9	9	8	9	K	K	J	K	H	i	...	...	...	...	...	●^{0}	● ▲ *a* : ● *p* : ●^{0} *n*.
Mean Cloud Am'nt.				5·0	5·8	6·7	6·3*	5·9	4·8													

531. Richmond (Kew Observatory). April, 1932.

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:A-St:A-Cu.	St:A-Cu:Ci.	St:Cu-Nb:A-St.	10	9	9	10	10	10	G	G	H	G	G	G	●^{0}	●^{0}	...	●^{0}	●^{0}	●^{0}	●^{0} *a*, *p* and *n*.
2	St-Cu:A-St:Ci-St.	Cu:Ci.	St:A-St.	9	9	5	10	10	7	L	K	K	J	G	J	...	...	...	...	●^{0}	...	●^{0} early *a* and late *p* and *n* : ⊕ *a*.
3	Nb.	Nb:St-Cu:A-St.	Cu-Nb:St-Cu:A-Cu.	10	9	10	--	9	9	G	G	G	-	G	F	●	...	●^{0}	—	...	...	● *a* : p ● *p* : f and m *n*.
4	St-Cu:St.	Cu:St-Cu.	Cu:St-Cu.	10	10	8	7	2	5	i	i	i	i	G	G	...	...	...	...	...	...	●^{0} early *a*.
5	St-Cu.	Cu:St-Cu.	Cu:Ci-St.	9	10	4	7	9	9	i	i	J	J	J	J	...	...	...	...	...	...	
6	A-St.	St-Cu.	St-Cu.	10	10	9	10	9	9	K	i	J	J	J	J	...	...	...	...	...	...	⇀ (gusts) *a*, *p* and *n* : ●^{0} late *n*.
7	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu.	Cu:Cu-Nb.	8	9	8	4	2	9	K	K	K	K	K	K	...	...	...	...	...	●^{0}	● early *a*, p ● ▲ *p*, p ● *n* : ⇀ (gusts) *a*, *p* and *n*.
8	Cu:Cu-Nb.	Cu-Nb:St-Cu:Ci.	Cu:St-Cu.	8	5	6	8	1	0	K	J	i	K	i	i	●^{0}	...	●	...	...	...	p ●^{0} ● *a*, p ●^{0} ▲ *p* : ⇀ (gusts) *a* and *p*.
9	St-Cu:Ci-St.	St-Cu.	St-Cu.	10	10	9	10	9	7	J	J	J	J	J	K	●^{0}	...	...	...	...	...	●^{0} *a* : ⇀ (gusts) *a*, *p* and *n*.
10	Nb.	Nb.	St-Cu.	10	10	10	--	9	8	J	J	i	-	i	K	●^{0}	●^{0}	●^{0}	—	...	...	●^{0} ● ⇀ (gusts) *a* : ●^{0} *p* : ● and p ●^{0} *n*.
11	Ci:Ci-St.	St-Cu:Cu-Nb:A-St.	Cu:A-Cu:Ci-St.	8	10	9	10	7	1	i	i	J	J	G	J	...	...	...	●^{0}	...	...	p ● ▲ late *a* and *p* : ⇀ (gusts) *p*.
12	Cu:St-Cu:Ci-St.	Cu:Cu-Nb.	Cu:Cu-Nb.	1	7	7	7	8	4	J	K	J	J	H	i	...	...	...	...	...	...	
13	---	Cu.	St-Cu:A-Cu.	0	4	7	9	8	10	G	i	K	K	i	i	...	...	...	...	...	...	●^{0} ● late *n*. [p ● ▲ early *p*.
14	Cu-Nb:St-Cu:A-St.	Cu-Nb:A-St:A-Cu.	Cu-Nb:A-St:A-Cu.	10	10	9	9	9	1	J	i	i	J	i	G	●	●^{0}	...	...	...	...	● ●^{0} ⇀ (gusts) early *a* : ●^{0} p ● ▲ ꓘ late *a* :
15	St:St-Cu:A-Cu.	St-Cu:A-St:A-Cu.	St-Cu:Ci-St.	8	10	9	10	9	9	G	H	H	H	G	i	...	●^{0}	...	...	...	...	●^{0} late *a* : ⇀ (gusts) *p* : ⊕ *p* : Ш *n*.
16	Nb.	Nb:A-St.	Nb:A-St.	10	10	10	10	10	10	i	i	H	H	G	G	●^{0}	●^{0}	●^{0}	...	●^{0}	●	⇀ (gusts) *a* : ●^{0} *a*, *p* and *n*.
17	Nb.	Nb.	Nb:A-St.	10	10	10	--	10	8	G	F	F	-	G	J	●^{0}	●^{0}	●^{0}	...	●^{0}	...	m *a* : ●^{0} *a*, *p* and *n*.
18	---	St-Cu:A-Cu.	St-Cu.	0	5	9	0	8	9	G	i	J	i	G	i	...	...	...	...	...	...	
19	St-Cu.	St-Cu:A-Cu:A-St.	St-Cu.	8	9	10	10	10	10	G	i	i	H	G	G	...	...	...	...	...	...	
20	St-Cu.	Cu-Nb:Nb.	Cu-Nb:St-Cu:A-Cu.	9	9	10	7	6	9	i	K	i	H	i	J	...	...	●	●^{0}	...	●^{0}	● ▲ ⇀ (gusts) late *a* : ● ●^{0} early *p* : p ●^{0} *n*.
21	St-Cu:A-Cu.	Cu-Nb:St.	St-Cu:Cu-Nb.	1	8	9	8	9	1	i	J	J	K	i	J	...	...	●	...	●	...	⇀ (gusts) p ● late *a* and *p* : p ● early *n*.
22	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	Cu:Ci.	3	7	9	8	4	0	G	i	J	J	J	K	...	...	...	...	...	...	
23	St:St-Cu.	Cu:St-Cu:Ci.	Cu:St-Cu.	8	10	6	6	4	0	i	i	K	K	K	J	●^{0}	...	...	...	...	...	●^{0} *a*.
24	Cu:St-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	4	9	7	-	8	1	K	J	J	-	G	i	...	...	...	...	...	...	
25	St:Ci-St.	St-Cu:Cu:A-Cu.	Cu-Nb:St-Cu:A-St.	6	7	9	10	10	10	G	i	J	J	G	i	...	...	...	...	●^{0}	...	⊕ *a* : ●^{0} *n*.
26	Fr-Cu:Ci:Ci-St.	Cu:St-Cu.	St-Cu:A-Cu.	5	6	9	10	9	9	G	i	J	L	K	H	...	...	...	...	...	...	● *n*.
27	St:St-Cu.	St-Cu:A-Cu.	St-Cu:A-Cu:Ci-Cu.	10	9	9	9	8	10	F	E	J	K	K	K	...	...	...	...	...	...	●^{0} m f *a* : ●^{0} *n*.
28	Nb:A-St.	St-Cu:Ci-St.	Cu:A-Cu:Ci-St.	10	10	9	9	9	9	G	H	J	J	J	i	●^{0}	...	...	...	...	...	● ●^{0} *a*.
29	Cu:A-Cu:Ci.	Cu:St-Cu:A-St.	Nb:A-St.	7	10	9	10	10	0	i	i	K	J	H	G	...	...	...	...	●^{0}	...	⊔ *a* : ●^{0} late *p* and early *n*.
30	A-Cu:Ci-St.	Cu:A-Cu:Ci-St.	St-Cu:A-Cu.	9	4	8	5	5	10	i	K	L	L	i	i	...	...	...	...	...	●	⊔ *a* : ● ꓘ *n*.
Mean Cloud Am'nt.				7·4	8·5	8·4	8·2†	7·7	6·5													

* Mean of 27 days. † Mean of 26 days.

DD

532. Richmond (Kew Observatory). May, 1932.

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	Ci-St.	St-Cu:A-St:Ci-St.	St:St-Cu:A-Cu.	6	9	9	--	9	10	G	F	G	-	G	G	...	...	...	—	...	●°	m *a* : ●° T late *p* : ●° *n*.
2	St:St-Cu.	St-Cu:A-St:A-Cu.	Nb:A-St.	10	10	9	10	10	10	i	J	K	J	G	G	...	...	...	...	●°	●°	●^{2} ●° *a* : ●° late *p* and early *n*.
3	St:A-St.	St:Nb.	St.	10	10	10	10	10	10	G	i	H	H	G	i	...	...	●	●°	●°	...	● late *a* : ● ●° ⟿ (gusts) *p* and *n*.
4	St:St-Cu.	St:St-Cu:A-St.	St-Cu.	10	10	10	10	9	9	i	i	i	i	i	i	...	...	...	...	...	...	⟿ (gusts) early *a*.
5	Cu:St-Cu.	Cu:St-Cu.	Cu:A-St:A-Cu.	8	9	8	6	7	7	J	H	J	J	J	i	...	...	...	...	...	...	p ● late *a* : ●° late *p*.
6	St:St-Cu:A-Cu.	St-Cu:A-Cu:A-St.	Cu:Cu-Nb.	8	10	9	8	10	10	G	H	i	J	G	G	...	...	...	...	●°	...	p ●° late *p*.
7	St-Cu.	Cu:St-Cu:A-Cu.	Cu.	9	9	8	5	9	3	G	H	J	J	J	G	...	...	...	...	...	...	● ●° early *n*.
8	Cu:Ci.	Cu.	Cu:A-Cu.	1	4	7	--	9	0	J	K	K	-	i	G	...	...	...	—	...	...	⌓ early *a*.
9	Nb.	Nb.	Cu:A-St:Ci.	10	10	10	10	9	0	G	H	H	G	G	G	●	●	●	●	...	...	● *a* and *p*.
10	Ci-Cu.	Cu:A-Cu.	St-Cu:A-St.	1	6	8	8	10	0	G	J	K	J	J	J	...	...	...	...	...	...	⌓ early *a* : p ● late *a*.
11	Nb.	Cu:Ci-St.	Cu:Nb:A-St.	10	10	9	10	10	10	F	H	J	J	i	J	●°	...	...	●°	●°	...	m ● ●° early *a* : ⊕ late *a* : ●° late *p* and *n*.
12	St:St-Cu:A-St.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	10	9	9	9	7	10	J·	J	J	K	K	i	...	...	...	...	...	...	⟿ (gusts) *a* and *p*.
13	St:Nb:A-St.	A-St.	St-Cu.	10	9	10	10	10	6	K	J	K	K	J	i	...	...	●	●°	...	...	● ●° *a* and *p*.
14	St.	Cu.	Cu:A-Cu:Ci.	10	8	7	7	9	10	i	i	K	K	K	G	...	...	...	...	...	...	⌓ early *a*.
15	St.	St.	Nb:A-Cu.	10	10	10	--	9	9	G	E	E	-	G	F	...	●°	...	—	●°	...	●° ● f *a* : f ●° *p* : ● ●^{2} Ꝁ m *n*.
16	St:A-St.	Nb:A-Cu.	Cu:Cu-Nb.	10	10	10	9	7	9	G	G	J	J	J	G	...	...	...	...	...	...	● ●° *a* : p ● p ●° *p* : ● early *n*.
17	Cu:St-Cu.	Cu.	---	8	5	6	4	0	0	G	i	K	L	L	J	...	...	...	...	...	...	
18	A-Cu:Ci-St:Ci-Cu.	A-St:A-Cu.	Nb:St-Cu:A-Cu.	6	8	9	10	9	9	K	K	K	L	K	K	...	...	...	...	●°	...	⌓ early *a* : ●° early *n*.
19	St:St-Cu.	A-Cu:A-St:Ci.	Cu:St-Cu.	9	6	7	7	6	3	J	K	L	L	L	J	...	...	...	...	...	...	⌓ early *a*.
20	St-Cu:A-St:A-Cu.	Cu:A-Cu:Ci-Cu.	Cu-Nb:Fr-Cu.	9	10	9	8	9	8	G	i	K	L	L	L	...	...	...	...	●°	...	p ●° late *p* : Ꝁ p ●^{2} early *n*.
21	St:St-Cu:A-Cu.	Cu.	Nb.	8	8	8	10	10	10	G	J	J	H	H	G	...	...	...	...	●	●	●° ● late *p* and *n*.
22	Cu-Nb:St-Cu:A-St.	Cu:Cu-Nb:A-Cu.	Cu-Nb:A-Cu:Ci.	10	9	8	--	7	9	J	J	K	-	K	K	...	...	...	—	●	...	● early *a* : p ● ▲ T late *p* : p ●° early *n*.
23	Cu:A-St:Ci-St.	Cu:St-Cu:A-St.	Cu-Nb:A-Cu:Ci-St.	8	10	9	8	7	9	J	J	K	J	J	G	...	...	...	...	...	...	●° early *a* and early *n*.
24	Cu:St-Cu:A-Cu.	St-Cu.	Cu:A-Cu:Ci.	9	10	9	10	6	5	J	J	J	J	J	i	...	...	...	...	...	...	●° early *a*.
25	Cu:St-Cu.	Cu:St-Cu.	St-Cu:Cu:A-Cu.	3	9	10	10	8	9	G	J	i	H	J	i	...	...	...	...	...	...	p ●° late *p*.
26	---	Cu:St-Cu:A-St.	St-Cu:Ci.	0	6	9	9	3	0	F	H	J	i	i	G	...	...	...	...	...	...	⌓ m early *a*.
27	St:St-Cu:A-Cu.	St:A-St.	St:A-St.	10	10	10	10	10	10	G	H	H	i	i	H	●°	●°	●°	●°	●°	●°	●° *a* : ●° ● *p* and *n*.
28	St:St-Cu.	Cu:St-Cu:A-St.	St:St-Cu:A-St.	10	9	9	9	10	10	H	H	i	G	G	G	...	...	...	●°	...	...	● ●° *a* and *p* : ●° early *n*.
29	St-Cu:A-St.	Cu-Nb:St-Cu:A-Cu.	Cu:St-Cu:Ci.	10	9	9	--	7	7	i	i	J	-	L	J	...	...	●	—	...	...	● *a*.
30	St:St-Cu:A-Cu.	Cu:Cu-Nb:A-Cu.	St:St-Cu:A-Cu.	9	9	9	9	7	2	i	K	K	J	K	G	...	...	...	...	...	...	● early *a*.
31	Cu:St-Cu.	Cu:St-Cu.	Cu:Cu-Nb:St-Cu.	7	1	9	7	9	10	G	H	J	K	K	i	...	...	...	...	...	...	f and ⌓ early *a*.
Mean Cloud Am'nt.				8·0	8·5	8·8	*8·6	8·1	6·9													

533. Richmond (Kew Observatory). June, 1932.

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.	A-Cu:A-St.	St-Cu:A-Cu.	10	10	9	7	8	10	G	H	i	H	J	G	...	...	...	...	...	...	●° early *p* and *n*.
2	St.	Cu:St-Cu.	Cu.	10	9	8	6	3	9	G	H	i	i	J	i	...	...	...	...	...	...	p ● Ꝁ early *n*.
3	St.	St-Cu:A-St:A-Cu.	St:St-Cu.	10	10	9	10	10	10	G	i	i	i	G	i	...	...	...	...	...	...	
4	Cu:St-Cu:A-St.	St-Cu.	St-Cu.	10	10	10	10	10	10	J	i	i	i	G	G	...	...	...	...	...	●°	●° ● *n*.
5	Cu:St-Cu.	Cu:Cu-Nb:St-Cu.	St-Cu:St:A-Cu.	8	9	9	--	8	6	J	J	i	-	G	i	...	...	...	—	...	...	● ●° early *a*.
6	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu.	6	9	9	8	2	9	J	K	J	J	J	G	...	...	...	...	...	...	⌓ early *a*.
7	St-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	9	2	9	8	8	6	G	J	J	K	K	i	...	...	...	...	...	...	⌓ early *a*.
8	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	St-Cu:A-Cu.	9	10	10	10	9	9	J	K	K	J	K	J	...	...	...	...	...	...	
9	Cu:St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:Ci.	3	8	8	8	2	3	i	J	K	K	K	J	...	...	...	...	...	...	⌓ early *a*.
10	Cu:St-Cu.	Cu.	Cu:Ci.	2	6	7	9	7	1	G	J	J	K	K	H	...	...	...	...	...	...	⌓ early *a* : ⊕ early *n*.
11	St:St-Cu:A-St.	St-Cu.	Cu:A-Cu.	10	8	9	9	8	9	F	G	J	J	J	J	●°	...	...	...	...	...	●° m early *a* : p ●° *a*.
12	Cu:A-Cu:Ci-St.	Cu:A-Cu:Ci.	St-Cu:A-Cu.	2	7	7	-	7	6	J	J	K	-	J	i	...	...	...	—	...	...	⌓ early *a* : ⊕ late *a*.
13	St-Cu:Ci-St.	St-Cu.	Fr-Cu.	3	9	9	7	2	1	H	H	H	H	J	J	...	...	...	...	...	...	
14	Cu.	---	---	1	0	0	0	0	1	i	i	J	K	K	K	...	...	...	...	...	...	
15	St:St-Cu.	Fr-Cu:Ci.	Cu.	9	8	7	5	6	9	J	J	J	J	J	J	...	...	...	...	...	...	
16	St.	Cu:St-Cu.	Cu.	10	9	8	8	1	0	G	H	J	J	K	J	...	...	...	...	...	...	
17	---	Cu.	---	0	0	1	7	0	1	i	J	J	J	J	J	...	...	...	...	...	...	
18	---	Ci.	Cu:St-Cu:Ci-Cu.	0	0	1	5	5	2	i	i	i	i	J	J	...	...	...	...	...	...	
19	St-Cu:Ci.	St-Cu.	Cu:St-Cu:A-Cu.	8	3	9	--	10	10	J	K	K	-	K	K	...	...	...	—	...	...	
20	Cu:St-Cu:A-Cu.	St-Cu:A-Cu:A-St.	St-Cu.	8	10	10	10	10	9	J	J	J	J	J	i	...	...	...	...	...	...	
21	St-Cu.	Cu:St-Cu:A-Cu.	St-Cu:A-Cu.	9	10	10	7	8	7	J	J	J	J	J	J	...	...	...	...	...	...	
22	St-Cu.	Cu:Ci.	Cu:St-Cu:A-Cu.	9	9	8	7	4	2	J	J	J	K	J	J	...	...	...	...	...	...	
23	---	Cu:St-Cu.	Cu:Cu-Nb.	0	0	8	8	7	2	G	G	i	i	J	i	...	...	...	...	...	...	⌓ early *a*.
24	St:St-Cu:A-Cu.	St-Cu:A-Cu:A-St.	Cu:A-Cu:Ci-Cu.	9	9	9	10	8	9	G	i	i	i	J	i	...	...	...	...	...	...	
25	St-Cu.	Cu:St-Cu:Ci.	St-Cu:A-Cu:A-St.	9	7	6	7	9	2	J	K	K	K	L	K	...	...	...	...	...	...	● early *n*.
26	St-Cu.	St-Cu.	St-Cu.	7	3	9	--	7	2	K	K	L	-	L	K	...	...	...	—	...	...	
27	---	Cu:St-Cu.	Cu:A-Cu:Ci.	0	0	7	1	2	7	i	J	K	K	K	i	...	...	...	...	...	...	
28	St-Cu.	Cu:St-Cu.	Cu:Ci.	9	9	9	9	7	7	J	J	J	K	K	J	...	...	...	...	...	...	p ●° early *n*.
29	St-Cu:A-Cu.	Cu:Ci.	Cu:Ci:Ci-St.	3	7	6	7	5	5	i	K	L	L	L	J	...	...	...	...	...	...	
30	Nb:St-Cu:A-St.	St.	Nb:A-St.	10	9	10	10	10	10	J	K	J	i	i	J	●°	●°	●°	●°	●°	...	●° *a* and *p* : ●° ● *n*.
Mean Cloud Am'nt.				6·4	6·7	7·7	†7·4	6·1	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 26 days. † Mean of 26 days.

534. Richmond (Kew Observatory). July, 1932.

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-Cu:Nb.	Cu:St-Cu.	Cu:Cu-Nb.	10	9	8	7	9	8	K	K	K	L	K	J	...	...	...	...	...	...	●^{2} ●^{0} early *a* : ш (gusts) early *a* and *p*.
2	Cu:Cu-Nb:A-Cu.	Cu:St-Cu.	Cu:A-Cu:Ci.	9	9	8	9	9	4	J	J	L	L	L	K	●^{0}	...	...	...	...	...	p ●^{0} early *a*.
3	Cu:A-Cu:Ci.	Cu:A-St.	Cu:A-Cu:Ci-Cu.	6	9	10	--	6	9	K	K	K	-	M	L	...	...	●^{0}	—	...	...	p ●^{0} early *p* : () late *p*.
4	Cu:A-Cu:Ci.	Cu:Ci.	Cu:A-Cu:Ci.	3	5	7	7	5	5	J	K	K	L	L	K	...	...	...	...	...	...	ш (gusts) 14^h 15^m
5	St-Cu:A-St.	St-Cu:A-Cu:A-St.	St-Cu:A-St.	9	10	10	10	10	9	G	i	i	J	J	i	...	...	●^{0}	...	...	●^{0}	●^{0} *a*, *p* and *n*.
6	Cu:A-Cu:Ci.	Cu:St-Cu.	Cu:A-Cu:Ci.	3	5	9	8	5	3	K	K	K	L	M	J	...	...	...	...	...	...	
7	Cu:Ci:Ci-Cu.	St-Cu:Cu-Nb:A-St.	Cu:Cu-Nb:A-Cu.	5	9	9	9	8	7	i	J	J	K	K	i	...	...	●	...	●^{0}	...	p ● *a*, *p* and *n*.
8	St-Cu.	Cu:Ci.	Cu:A-Cu:Ci.	7	5	5	9	4	3	i	J	K	K	K	J	...	...	...	...	...	...	Ω̲ *a*.
9	St.	Cu:Ci.	St-Cu:A-Cu:Ci.	10	9	6	4	9	7	F	i	J	K	K	K	...	...	...	...	...	...	f, m, Ω̲ early *a*.
10	Ci:Ci-Cu.	Cu:St-Cu.	St-Cu.	2	4	7	--	5	2	G	J	J	-	K	J	...	...	...	—	...	...	Ω̲ early *a*.
11	---	Cu-Nb:Nb.	A-Cu:Ci:Ci-St.	0	0	9	9	6	6	H	H	H	G	G	G	...	...	●^{0}	...	...	...	Ω̲ early *a* : ☈ ●^{0} *a* and *p*.
12	A-Cu:Ci-St.	St-Cu.	St-Cu:A-St.	6	4	9	7	10	10	F	H	H	H	H	H	...	...	...	...	...	...	m Ω̲ early *a*.
13	St.	St.	Cu-Nb:St-Cu:A-St.	10	10	9	9	10	7	G	H	H	H	K	J	...	...	...	●^{2}	...	...	T p ●^{2} early *p* : p ●^{0} late *p*.
14	Cu:St-Cu.	Cu:St-Cu:Ci.	St-Cu:Ci.	2	8	8	9	7	9	J	J	J	J	K	i	...	...	...	...	...	...	⊕ 15^h.
15	St:St-Cu:A-St.	St-Cu:A-St.	St-Cu:A-Cu:Ci.	10	10	10	10	8	8	J	J	J	J	i	i	...	...	...	...	...	...	
16	St-Cu.	St:St-Cu.	St-Cu:Cu-Nb:A-Cu.	9	4	10	9	9	9	G	H	G	H	J	J	...	...	...	...	...	...	
17	St-Cu:A-St.	Cu:St-Cu:Ci.	Cu:St-Cu:A-Cu	10	9	9	-	9	3	K	K	K	-	J	J	...	...	...	—	...	...	●^{0} late *p* : p ● early *n*.
18	Nb.	St-Cu.	St-Cu.	10	10	9	10	9	9	H	H	i	J	J	J	●	...	...	...	...	...	● ●^{0} *a*.
19	St-Cu:A-Cu:A-St.	Cu:A-Cu:Ci.	Cu:A-Cu:A-St.	8	9	8	7	1	4	G	i	J	K	J	i	...	...	...	...	...	...	Ω̲ early *a*.
20	A-Cu.	Cu:A-Cu.	St-Cu:A-Cu:Ci.	4	5	10	8	4	9	H	H	J	J	K	J	...	...	...	...	...	...	Ω̲ early *a* : p ●^{0} *n*.
21	St-Cu.	Cu-Nb:A-Cu:A-St.	St-Cu.	6	7	9	9	10	9	J	J	J	J	K	J	...	...	●^{0}	...	...	...	●^{0} late *a*.
22	St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	Cu-Nb:St-Cu.	9	9	9	9	8	3	J	K	K	K	i	H	...	...	...	...	...	...	●^{0} ● ☈ *p* : ●^{0} early *n*.
23	St:St-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	9	9	8	10	9	9	i	J	J	K	K	i	...	...	...	...	...	...	●^{0} early *a*.
24	Cu-Nb:A-Cu:A-St.	St-Cu.	St-Cu:Cu-Nb.	10	10	10	--	10	10	J	J	K	-	K	K	...	●^{0}	...	—	...	●^{0}	●^{0} *a* : *p* and *n*.
25	Nb.	Nb:A-St.	Cu:St-Cu:A-St.	10	10	10	10	9	7	i	H	H	H	J	J	●^{0}	●	●	●	...	...	●^{0} ● *a* and *p* : < *n*.
26	St:St-Cu:A-Cu.	Cu:St-Cu.	Cu:St-Cu:Ci.	9	9	8	9	8	4	K	K	K	K	K	K	...	...	...	●	...	...	p ●^{0} ● *a* : p ● T *p* : ☈ ●^{2} early *n*.
27	Cu:A-Cu:Ci.	Cu:St-Cu:Cu-Nb.	Cu:St-Cu:A-Cu.	7	9	9	6	8	8	K	K	K	K	K	K	...	...	...	...	...	...	●^{0} early *a* : p ●^{0} ● T ш (gusts) late
28	St:A-St:Ci-St.	Nb.	Nb:St-Cu.	9	10	10	9	10	9	J	J	J	J	i	J	...	●^{0}	●^{0}	...	...	...	●^{0} *a* and *p*. [*a* : p ● ●^{0} *p*.
29	St-Cu.	St-Cu.	St-Cu.	9	10	9	10	9	9	J	K	K	K	J	J	...	...	...	●	...	...	●^{0} early *a* : ● p.
30	St-Cu.	St-Cu:Ci:Ci-Cu.	St-Cu.	9	9	9	10	10	3	K	K	K	L	K	K	...	...	...	...	...	...	
31	St-Cu:A-St:A-Cu.	Cu:St-Cu:A-Cu.	St-Cu:A-Cu:Ci-Cu.	9	10	9	--	4	3	J	i	L	-	L	L	...	●^{0}	...	—	...	...	● ●^{0} *a* : p ● early *n*.
Mean Cloud Am'nt.				7·4	7·9	8·7	*8·6	7·7	6·6													

535. Richmond (Kew Observatory). August, 1932.

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-Cu:Cu-Nb:A-Cu.	Cu-Nb.	Cu-Nb:A-Cu:Ci.	7	10	9	9	7	9	K	K	K	K	L	K	...	...	●	...	...	●	☈ ●^{0} ● *a*, *p* and *n*.
2	St:St-Cu:A-St.	St-Cu.	St-Cu:A-St.	10	9	9	9	10	10	i	i	J	J	J	J	...	...	...	...	...	...	p ●^{0} early *n*.
3	St:St-Cu.	Cu:St-Cu:A-Cu.	Cu.	10	10	9	3	2	8	K	i	J	J	J	J	●^{0}	●^{0}	...	...	...	...	●^{0} *a*.
4	St:A-St:Ci-St.	Cu:St-Cu:A-Cu.	Cu-Nb:St-Cu.	8	10	8	9	2	3	J	J	K	K	K	J	...	...	...	...	...	...	⊕ *a*.
5	St:A-St.	Cu:A-Cu.	Cu:A-Cu:A-St.	10	8	8	9	4	1	G	J	J	K	K	K	...	...	...	...	...	...	Ω̲ early *a*.
6	St.	Cu:St-Cu.	Cu:A-Cu:Ci.	10	10	6	7	6	3	i	J	K	K	L	L	...	...	...	...	...	...	Ω̲ *a*.
7	Cu:A-Cu:Ci.	St-Cu:Ci.	St-Cu:Ci.	3	6	5	--	4	1	K	K	K	-	K	L	...	...	...	—	...	...	
8	St-Cu:A-Cu.	St-Cu.	---	6	7	9	5	0	0	i	i	i	J	J	J	...	...	...	...	...	...	Ω̲ early *a*.
9	St:St-Cu.	St-Cu:A-Cu.	Cu.	10	9	6	5	1	2	G	i	J	J	J	J	...	...	...	...	...	...	Ω̲ early *a*.
10	---	---	---	0	0	0	0	0	2	C	i	J	J	J	J	...	...	...	...	...	...	Ω̲ f early *a*.
11	--	Ci:Ci-Cu.	A-Cu:A-St:Ci.	0	0	4	1	3	1	E	G	J	K	K	J	...	...	...	...	...	...	Ω̲ f, m early *a*.
12	Cu-Nb:A-Cu:Ci.	St-Cu:A-Cu:A-St.	A-Cu:A-St:Ci.	9	9	9	9	5	2	F	H	J	J	K	K	...	...	●^{0}	...	...	...	☈ ● ●^{0} early *a* : p ● late *a*.
13	Cu:St-Cu:A-Cu.	Cu:Ci:Ci-Cu.	Cu:St-Cu:Ci.	2	7	8	8	7	3	L	K	K	K	L	L	...	...	...	...	...	...	Ω̲ early *a*.
14	St-Cu.	St-Cu:Cu-Nb.	St-Cu:A-Cu:Ci.	9	9	9	--	8	9	H	i	K	-	K	J	...	...	...	—	...	...	Ω̲ early *a*.
15	St-Cu:St.	St-Cu.	St-Cu:St.	10	10	8	9	10	9	i	H	J	J	J	i	...	...	...	...	...	...	
16	St.	St-Cu:St:Ci.	Ci.	10	10	8	8	6	5	i	i	i	i	J	i	...	...	...	...	...	...	⊕ late *a* : Ⓤ *n*.
17	St.	St-Cu.	Fr-Cu:Ci.	10	0	2	3	1	0	D	H	J	J	J	J	...	...	...	...	...	...	f early *a*.
18	Ci.	Ci.	A-Cu:Ci-St.	4	4	2	7	7	3	F	H	i	J	K	J	...	...	...	...	...	...	f, m, Ω̲ early *a* : ⊕ *a*, *p* and early *n*.
19	A-Cu:Ci:Ci-St.	Ci-St:Ci-Cu:Ci.	Ci.	8	7	4	4	2	0	H	i	K	K	K	K	...	...	...	...	...	...	⊕ Ω̲ early *a*.
20	Ci:Ci-St.	A-Cu:A-St:Ci.	A-Cu:A-St:Ci.	6	7	9	9	9	9	H	H	i	J	i	i	...	...	...	...	...	...	Ω̲ early *a* : ☈ p ●^{0} ●^{2} *n*.
21	Cu-Nb:St-Cu.	Cu-Nb:St-Cu:Ci.	Cu-Nb:St-Cu:A-Cu.	10	7	8	--	6	8	i	J	K	-	L	K	...	...	...	—	...	...	p ●^{2} ● < early *a*.
22	St:St-Cu.	St-Cu.	Cu:St-Cu.	10	10	9	9	10	9	i	H	J	J	J	J	...	...	...	...	...	...	● early *a*.
23	St-Cu:A-Cu:Ci.	St-Cu.	St-Cu.	6	5	9	9	7	8	i	i	J	J	J	J	...	...	...	...	...	...	
24	St-Cu.	Cu:St-Cu.	St-Cu.	9	9	8	9	9	10	J	J	J	J	K	J	...	...	...	...	...	...	
25	St:St-Cu:A-Cu.	St-Cu.	Cu:A-Cu:Ci.	8	9	9	6	3	2	H	i	J	K	K	K	...	...	...	...	...	...	
26	St:St-Cu.	St-Cu:A-St:Ci-St.	A-St:A-Cu.	10	9	9	10	10	0	H	H	i	J	i	H	...	...	...	...	...	...	
27	---	Cu.	Cu.	0	10	5	5	5	1	F	G	H	i	J	J	...	...	...	...	...	...	m early *a* : Ω̲ *a*.
28	St-Cu.	St-Cu:Cu-Nb:Ci-St.	St:St-Cu:Ci-St.	7	1	8	--	10	10	i	H	i	-	i	J	...	...	...	—	...	...	Ω̲ early *a*.
29	St:St-Cu.	Cu:Cu-Nb.	St-Cu:A-Cu:Ci.	10	9	9	10	8	10	G	H	J	J	i	i	...	...	...	...	...	●	Ω̲ early *a* : ● *n*.
30	Nb:A-St.	Cu:St-Cu:A-Cu.	Cu:St-Cu.	10	10	9	9	8	1	G	H	K	K	K	K	●^{0}	●^{0}	...	...	...	...	●^{0} ● *a*.
31	St:St-Cu.	Cu:St-Cu:Ci.	Cu:St-Cu:A-St.	10	9	8	3	2	0	H	J	J	J	J	J	●^{0}	...	...	...	...	...	●^{0} early *a* : Ω̲ *n*
Mean Cloud Am'nt.				7·5	7·4	7·2	†6·8	5·5	4·5													

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.

*Mean of 26 days. †Mean of 27 days.

536. Richmond (Kew Observatory). September, 1932.

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	Ci:Ci-St:Ci-Cu.	St-Cu:A-St.	Nb:A-St.	5	9	10	10	10	9	G	i	J	J	i	i	...	...	●°	●°	●°	...	⌓ early *a* : ●° *p* : ● early *n*.
2	St:St-Cu:A-St.	St-Cu.	St-Cu.	10	9	9	10	9	7	J	J	K	K	J	K	...	...	...	...	...	...	●° *p* : p ●° ↗ (gusts) *n*.
3	Nb.	Cu-Nb:A-St.	St-Cu:A-St:Ci.	10	10	9	9	9	4	G	i	K	K	K	K	●	●°	...	...	...	...	●° ● ↗ (gusts) *a*.
4	Ci.	St-Cu.	Cu-Nb:A-St:Ci.	2	1	9	--	7	0	K	K	L	-	K	K	...	...	...	—	...	...	⌓ early *a*.
5	St-Cu:A-St:Ci.	St-Cu.	Nb:St-Cu:A-St.	9	9	9	10	10	10	G	J	K	K	G	J	...	...	...	...	●°	●°	⌓ ⊕ early *a* : ● late *p* : ●° *n*.
6	St:St-Cu.	Cu:St-Cu:A-Cu.	Nb:St-Cu:A-St.	10	10	9	10	9	8	J	J	K	J	K	J	...	...	...	...	●°	...	●° early *a* : ● ↗ (gusts) *p* : ●° early *n*
7	St-Cu:A-Cu:Ci.	Cu:St-Cu:Ci.	Cu:St-Cu:A-Cu.	2	9	8	9	3	0	i	K	K	i	K	K	...	...	...	●°	...	...	⌓ ⊕ *a* : ● ●° *p*.
8	Cu:St-Cu:A-St.	St-Cu:St:A-St.	Nb:A-St.	9	10	10	10	10	10	J	K	K	J	J	J	...	...	●°	...	...	●°	●° ● ↗ (gusts) *a* and *p* : ●° *n*.
9	St-Cu:St.	Cu:St-Cu:A-Cu.	---	9	10	8	4	0	0	G	i	K	K	K	K	...	...	...	...	...	...	⌓ *n*.
10	St-Cu:A-St:Ci-St.	Nb:St-Cu:A-St.	St-Cu.	9	9	10	10	4	0	J	K	J	K	K	K	...	...	...	...	...	...	⌓ early *a* : ●° *a* and *p*.
11	Fr-Cu:St-Cu:A-Cu.	St-Cu:Cu-Nb.	Cu:Ci:Ci-St.	10	10	9	--	4	5	K	J	L	-	L	K	...	...	...	—	...	...	●° ↗ (gusts) *a*.
12	Cu:St-Cu.	St-Cu.	St:St-Cu:A-Cu.	1	7	10	10	8	8	i	J	J	J	G	i	...	...	...	...	...	...	⌓ ●° *a* : Ш *n*.
13	St:A-St.	St.	St-Cu.	10	10	10	10	9	8	G	F	i	J	K	K	...	●°	...	...	...	...	●° m *a* : Ш *n*.
14	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	1	1	5	7	3	1	i	K	K	K	K	J	...	...	...	...	...	...	
15	Cu:St-Cu.	St:St-Cu.	---	7	7	10	0	0	0	F	G	G	H	H	H	...	...	...	...	...	...	f m ⌓ early *a*.
16	St.	St-Cu	St-Cu.	9	10	2	9	7	0	G	H	i	H	H	H	...	...	...	...	...	...	f ⌓ early *a* and *n*.
17	---	St-Cu.	St-Cu:Ci-Cu.	0	10	3	5	7	4	C	D	i	i	i	G	...	...	...	...	...	...	f *a*.
18	St-Cu:A-Cu:Ci-St.	St:St-Cu:A-St.	Nb:A-St.	8	7	10	--	10	10	H	i	J	-	G	i	...	...	...	—	●	●°	p ● *a* and *p* : ●² ● *n*.
19	St:St-Cu:A-St.	St-Cu:A-Cu:A-St.	St-Cu:A-Cu:A-St.	9	9	9	10	9	9	H	H	J	J	G	G	●°	...	...	...	...	...	● ●° early *a* : p ●° late *p*.
20	Nb:A-St:A-Cu.	St.	St.	10	10	10	10	10	10	G	F	H	F	F	H	●°	●°	●	●°	...	...	●° m *a* and *p* : ●° *n*.
21	---	Cu.	Cu:St-Cu.	0	0	3	1	6	0	i	i	J	J	G	i	...	...	...	...	...	...	⌓ early *a*.
22	St-Cu:A-Cu:Ci.	St-Cu:A-Cu:A-St.	Nb:A-St.	8	9	10	10	10	10	G	i	J	G	E	E	...	...	●°	●°	●°	●°	●° late *a*, *p* and *n* : f late *p* and *n*.
23	St.	St.	St.	10	10	10	10	10	9	F	G	H	F	G	G	...	...	...	●	...	...	f early *a* : m *a* and *p* : ●° ● *a* and *p*.
24	St-Cu.	St-Cu:A-St.	---	9	10	10	4	0	8	F	H	i	J	H	J	...	...	...	...	...	...	m ⌓ *a*.
25	Nb:St-Cu:A-Cu.	Cu:St-Cu:A-Cu.	Cu:A-Cu:Ci-St.	9	9	7	--	7	0	K	i	K	-	i	K	...	●°	...	—	●°	...	p ● ●° *a* and *p*.
26	--	Cu.	Cu:St-Cu.	0	0	4	3	3	0	G	i	K	K	G	i.	...	...	...	...	...	...	⌓ *a*.
27	St-Cu.	Cu:St-Cu.	Cu:A-Cu.	9	9	9	8	6	1	G	i	J	J	J	K	...	...	...	...	...	...	⌓ *a*.
28	St-Cu.	St-Cu.	Cu:St-Cu:Ci.	2	1	9	6	3	8	H	H	i	J	G	i	...	...	...	...	...	...	
29	St:A-Cu:A-St.	Cu:St-Cu:A-Cu.	St-Cu.	9	9	9	10	10	10	G	H	H	H	E	H	...	...	...	...	...	●°	f late *p* and early *n* : ●° ● *n*.
30	Cu.	Cu:Ci:Ci-St.	St-Cu:Ci-St.	2	2	9	9	9	10	G	J	K	K	J	i	...	...	...	...	...	●°	●° ⌓ early *a* : p ●° *p* : ●° *n*.
Mean Cloud Am'nt.				6·6	7·5	8·3	*7·8	6·7	5·3													

537. Richmond (Kew Observatory). October, 1932.

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:A-Cu:Ci.	Nb:St-Cu:A-St.	Cu.	4	7	10	10	1	0	J	K	K	i	H	G	...	...	●°	●	...	...	●° ● *p*.
2	A-Cu:Ci.	St-Cu.	St-Cu.	2	3	6	--	3	0	G	i	K	-	G	J	...	...	...	—	...	...	f m ⌓ early *a* : ↗ (gust) ● *p*.
3	St-Cu.	Cu:St-Cu.	Nb:St-Cu:A-St.	8	9	9	9	10	1	i	H	i	J	F	i	...	...	...	...	...	...	⌓ early *a* p ●° m late *p*.
4	---	Cu.	A-Cu.	0	0	1	1	1	4	G	H	J	J	F	E	...	...	...	...	...	...	⊔ early *a* : z f *n*.
5	St-Cu.	Cu:St-Cu.	St-Cu:Ci-St.	4	0	9	10	8	7	H	H	J	i	F	F	...	...	...	...	...	...	⌓ early *a* : m *n*.
6	Ci.	Cu:Ci.	A-Cu:A-St.	2	0	4	7	2	3	B	F	J	J	F	H	...	...	...	...	...	...	f m ⊔ early *a* : m late *p*.
7	St-Cu.	Cu:St-Cu.	St-Cu:A-St.	9	10	8	8	10	8	i	J	J	J	i	i	...	...	...	...	●°	...	●° late *p*.
8	Nb:A-St.	Nb:A-St.	St-Cu:A-St:Ci-St.	9	10	10	9	7	4	J	J	i	i	G	G	●°	●°	●	...	...	...	●° ● *a* and early *p* : ● *n*.
9	St.	St:St-Cu:A-St.	St-Cu:Cu-Nb.	9	9	10	--	4	9	F	G	G	-	G	G	...	...	...	—	...	...	● ●° m, early *a* : ⌓ *n*.
10	---	Cu:St-Cu.	St-Cu:Ci:Ci-St.	10	0	8	5	5	7	C	C	J	J	F	i	...	...	...	...	...	...	F *a* : m late *p* : Ⲱ ● *n*.
11	Nb:A-St:Ci-St.	St-Cu:A-St:St-Cu.	Nb:A-St:A-Cu.	9	10	9	9	10	9	G	H	i	i	H	H	●	...	...	●²	●	...	● early *a* : ꓘ ●² ● ●° *p*.
12	St.	---	St-Cu:A-Cu.	7	10	0	4	7	9	H	F	H	i	G	G	...	...	...	...	...	...	⌓ m *a* : ● *n*.
13	Cu:Nb.	St-Cu:A-Cu:A-St.	St-Cu.	9	8	8	7	0	5	i	J	J	J	H	K	...	...	...	...	...	...	p ●² ●° early *a* : ↗ (gust) *a*.
14	Nb.	Cu:Cu-Nb.	---	10	10	8	8	0	9	G	H	J	J	H	J	●	●°	...	...	...	...	● ●° early *a* : p ● *n*.
15	St-Cu:Fr-Cu.	St-Cu.	St-Cu.	5	6	9	7	10	10	K	K	H	H	F	i	...	...	...	...	...	...	m late *p* : ●° *n*.
16	St:A-St.	St-Cu:A-St:A-Cu.	St:St-Cu.	10	9	10	--	9	7	K	i	i	-	F	G	...	...	...	—	...	...	● ●° early *a* : m late *p* : Ⲱ Ш *n*.
17	St-Cu.	St-Cu.	Cu:St-Cu:A-Cu.	9	8	9	8	7	9	K	K	J	J	G	J	...	...	...	...	...	...	●° *n*.
18	---	Cu:St-Cu.	A-Cu:Ci.	0	3	3	5	6	3	K	K	K	J	G	i	...	...	...	...	...	...	p ● ↗ (gusts) *a*.
19	---	Ci:Ci-Cu.	St.	0	0	7	10	10	10	i	H	J	i	G	J	...	...	...	...	...	●	⌓ early *a* : ●° ● *n*.
20	Fr-Nb:A-St.	St:St-Cu.	Nb.	10	9	10	10	10	10	G	i	i	G	F	G	●°	...	...	●°	●	●°	● ●° *a* : ●° ● m, *p* and *n*.
21	Nb:A-Cu.	St:St-Cu:A-St.	Nb.	9	9	10	10	10	9	J	K	J	G	H	J	●	...	●°	●	●°	●°	● ●° early *a*, *p* and *n*.
22	St-Cu:Ci.	St-Cu.	A-Cu.	4	10	10	10	3	1	L	K	J	i	i	K	...	...	●°	●	...	...	●° ↗ (gust) *a* : p ● *p*.
23	Cu-Nb:St-Cu:Ci-St.	St-Cu:Cu-Nb:A-St.	Nb.	7	9	9	--	10	2	L	K	i	-	G	G	...	...	...	—	●	...	● *a* and *p*.
24	St:St-Cu.	St.	St:A-Cu.	9	10	10	10	10	0	i	G	G	E	G	G	...	...	●	...	...	...	● ●° *a* : ●° f *p* : ⌓ *n*.
25	St-Cu:A-Cu:Ci-St.	St-Cu:A-Cu.	St:St-Cu.	2	4	10	10	10	9	G	H	i	i	i	J	...	...	...	...	...	...	⌓ ⊔ ⊕ *a* : p ●° ● *n*.
26	St-Cu:Cu-Nb.	Cu:St-Cu.	St-Cu.	8	7	9	8	3	0	L	i	J	J	H	J	...	...	...	...	...	...	●° ● *a* and *p* : ⌓ *n*.
27	St:St-Cu:A-Cu.	Cu:St-Cu.	St-Cu.	5	10	8	7	9	10	J	H	J	J	F	H	...	...	...	...	...	●°	⌓ ● *a* : m *p* : m ● ●° *n*.
28	St:A-Cu.	St:Nb.	Nb.	5	8	10	10	10	0	J	J	i	H	G	J	...	...	●°	●	●	...	● ●° *a* : ● *p* and early *n*.
29	---	St-Cu:A-St.	Nb:A-St.	0	0	10	10	10	8	G	G	H	H	H	K	...	...	...	...	●	...	⊔ early *a* : ●° ● *p* and *n* : ↗ (gust) *n*.
30	St-Cu:A-Cu.	St-Cu:A-St.	St:St-Cu:Nb.	4	9	9	--	9	10	K	K	K	-	G	J	...	...	...	—	●°	...	● early *a* : ↗ (gusts) ●° *p* and *n*.
31	St-Cu:A-St.	St:St-Cu.	---	10	6	9	1	0	1	K	i	i	i	J	G	...	...	...	...	...	...	↗ (gust) *a*.
Mean Cloud Am'nt.				6·1	6·5	8·1	†7·8	6·6	5·6													

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.

* Mean of 26 days.   † Mean of 26 days.

538. Richmond (Kew Observatory). November, 1932.

Day	Cloud Forms. 7h	Cloud Forms. 13h	Cloud Forms. 18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St.	St-Cu.	10	10	10	10	9	4	B	A	G	E	F	G	...	...	...	●	...	...	⊔ f *a* : f ●° ● *p* : ⊓ *n*.
2	St-Cu:A-Cu:Ci-St.	A-St:A-Cu.	St.	8	9	9	10	9	10	i	H	i	i	i	J	...	...	...	...	...	...	● ●° *a* and *n*.
3	St-Cu.	St-Cu.	Cu:A-Cu.	10	9	9	8	6	7	J	J	J	J	J	i	...	...	...	...	...	...	
4	St:St-Cu.	St-Cu:A-Cu:A-St.	St.	9	8	9	9	10	9	J	J	i	i	i	i	...	...	...	...	...	●°	⊓ *a* : ● ●° *n*.
5	St-Cu:A-St.	St-Cu:Cu.	St:St-Cu.	10	8	7	9	9	9	J	H	G	G	i	G	...	...	...	...	...	...	
6	St-Cu.	St-Cu.	St:St-Cu.	9	10	9	--	9	10	i	G	G	-	G	i	...	...	...	—	...	...	⊔ early *a*.
7	Cu:Ci:Ci-Cu.	St-Cu.	Cu:St-Cu.	4	9	3	8	9	9	G	G	H	H	G	G	...	...	...	...	...	...	
8	St-Cu:A-Cu.	St:St-Cu.	St.	7	10	10	8	10	10	H	D	G	H	E	F	...	...	...	...	...	...	f m *a*, *p* and *n*.
9	St:St-Cu.	St-Cu.	Ci-St.	10	10	9	9	1	0	G	F	E	G	F	A	...	...	...	...	...	...	m f *a*, *p* and *n* : ⊓ ⊔ *n*.
10	St.	St.	St.	10	10	10	9	10	9	C	C	D	E	E	F	...	...	...	...	...	...	⊔ early *a* : f *a*, *p* and *n*.
11	St:St-Cu:A-St.	St:A-Cu.	---	9	9	10	10	0	10	G	F	H	G	E	G	●°	...	...	...	...	●°	●° m *a* : f, m ●° *n*.
12	St:St-Cu.	St.	St.	10	10	10	10	10	10	H	F	F	F	F	F	●°	●°	●°	...	...	...	●° m *a*, *p* and *n*.
13	St:St-Cu.	St:St-Cu:A-St.	St:St-Cu.	9	10	10	--	10	10	i	i	G	-	i	i	...	...	...	—	●°	●°	↗ (gusts) *a* and *p* : ●° *p* and *n*.
14	St:St-Cu.	St.	St.	10	10	10	10	10	10	G	F	E	E	F	E	●°	●°	●°	...	...	...	●° m, f *a* and *p* : f *n*.
15	St-Cu:A-Cu.	St-Cu.	St.	8	4	9	3	10	10	F	D	G	F	E	G	...	...	...	...	...	...	⊓ m, f *a* : m f *p* : f p ●° *n*.
16	St:St-Cu:A-St.	St-Cu.	St:St-Cu.	10	9	9	10	4	10	G	F	H	H	i	i	...	...	...	...	...	...	●° early *a* : m *a*.
17	St:St-Cu:A-St.	St:St-Cu.	St.	10	10	10	10	10	10	G	F	G	H	H	i	...	...	...	...	...	...	m *a*.
18	St.	St.	St.	10	10	10	10	10	10	G	F	G	F	F	G	...	...	...	...	...	...	●° early *a* : m *a*, *p* and *n*.
19	St.	St.	St.	10	10	10	10	10	10	F	E	E	E	E	F	●°	...	●°	●°	...	...	● ●° m f *a* : ●° f *p* : f m *n*.
20	St.	St:St-Cu.	St:Ci-St.	10	10	10	--	9	10	F	G	G	-	F	G	...	...	...	—	...	●°	m *a* : f m *p* : m ●° *n*.
21	St-Cu.	Cu.	---	3	0	3	1	0	2	G	F	J	i	G	G	...	...	...	...	...	...	● ⊓ m *a* : ⊓ *n*.
22	A-Cu.	St:St-Cu.	St-Cu.	7	10	10	10	10	6	K	H	i	i	J	K	...	...	●	●	...	...	⊔ ● ↗ (gust) *a* : ● *p*.
23	St-Cu:A-St.	Cu-Nb:St-Cu:Ci.	---	9	8	6	6	0	0	i	H	i	J	i	J	...	...	...	...	...	...	p ● late *a*.
24	St-Cu:Ci:Ci-St.	St-Cu:A-Cu:A-St.	St-Cu.	3	9	9	10	6	10	J	J	J	J	J	J	...	...	...	...	...	...	⊓ early *a* : p ● *p* : ● ●° *n*.
25	St-Cu:Cu-Nb:A-Cu.	St-Cu.	St-Cu.	9	9	9	10	2	7	K	H	J	J	J	K	●°	...	...	...	...	...	●° early *a*.
26	St:St-Cu:A-St.	St:St-Cu.	St-Cu:A-Cu.	10	10	10	8	5	2	J	H	J	J	i	J	●°	●°	●°	...	...	...	↗ (gusts) ●° *a* : ●° *p*.
27	A-Cu.	Cu:A-St:Ci-St.	Cu:Nb.	1	0	9	--	10	2	K	K	K	-	K	K	...	...	...	—	●°	...	↗ (gust) *a* : p ●° ● *p* and early *n*.
28	---	St-Cu.	---	0	0	9	9	0	0	i	E	F	G	E	E	...	...	...	...	...	...	f m *a* and *p* : f ⊔ *n*.
2	St:St-Cu.	St:St-Cu.	St-Cu:A-St:A-Cu.	10	10	10	9	9	9	G	E	G	H	H	H	...	...	...	...	...	●°	⊔ f *a* : ●° *n*.
30	Cu:Nb:A-St.	St:St-Cu.	Nb:St-Cu.	10	10	10	10	10	10	J	i	J	J	J	J	●°	...	...	●°	●°	●	↗ (gusts) *a* and *p* : ●° *a*, *p* and *n*.
Mean Cloud Am'nt.				8·2	8·4	8·9	8·7*	7·2	7·5													

539. Richmond (Kew Observatory). December, 1932.

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:Nb:A-St.	St-Cu:A-Cu.	---	9	10	9	2	0	0	J	F	J	i	G	G	...	●°	...	...	...	...	●° ● m *a* : ⊔ *n*.
2	A-St:Ci-St.	St:Nb:A-St.	Nb.	2	9	10	10	10	9	J	H	H	i	J	J	...	...	●°	●°	●°	...	⊔ *a* : ●° *a*, *p* and *n*.
3	St-Cu:A-Cu.	---	---	9	9	0	1	0	0	J	i	i	H	i	J	...	...	...	...	...	...	⊓ *n*.
4	St-Cu:Cu.	Cu.	---	6	0	3	--	0	0	J	G	i	-	F	G	...	...	...	—	...	...	⊔ *a* and *n* : m late *p*.
5	St-Cu.	St-Cu.	St.	9	9	9	7	10	9	F	E	D	E	E	D	...	...	...	...	...	...	⊔ *a* : m f *a*, *p* and *n* : ⊓ *n*.
6	St:St-Cu.	St-Cu:A-Cu.	---	4	0	4	2	0	0	G	D	F	G	E	G	...	...	...	...	...	...	⊔ f m *a* : f ⊓ ⊔ late *p* and *n*.
7	---	---	---	0	0	0	1	0	0	i	F	G	G	G	G	...	...	...	...	...	...	⊔ z *a* : ⊔ *n*.
8	St:St-Cu.	Cu:Cu-Nb:A-St.	Cu:St-Cu.	2	4	9	10	9	9	G	E	H	G	G	i	...	...	...	...	...	...	f *a* : ↗ (gusts) *p* and *n*.
9	St-Cu.	Cu:Cu-Nb.	St-Cu.	9	9	9	9	9	10	J	H	H	H	H	i	...	...	...	...	...	...	↗ (gusts) *p*.
10	Fr-St:A-St.	St-Cu.	St-Cu.	10	9	10	9	9	7	J	H	H	H	i	i	...	...	...	...	...	...	↗ (gusts) *a*, *p* and *n*.
11	St-Cu.	St.	St-Cu.	9	10	10	--	10	10	J	i	F	-	H	H	...	...	...	—	...	...	● ✱° ↗ (gusts) *a*.
12	St:A-Cu:Ci-St.	A-Cu.	A-St.	6	4	8	1	9	8	G	E	E	E	E	E	...	...	...	...	...	...	f *a*, *p* and *n* : ⊔ *n*.
13	St.	St.	St.	10	10	10	10	10	0	F	C	E	F	G	H	...	...	...	...	...	...	⊔ m f *a* : f m *p* : ⊓ ⋓ *n*.
14	St:St-Cu.	---	---	10	4	0	1	0	1	J	G	H	i	F	G	...	...	...	...	...	...	p ●° early *a* : m ⊓ late *p* and *n*.
15	St:A-St.	St:A-St.	St-Cu.	10	10	10	10	8	5	J	J	i	J	J	H	...	...	...	...	...	...	⊓ p ●° *a* : ⊓ *n*.
16	St:St-Cu:A-Cu.	St:St-Cu.	St-Cu.	7	10	10	10	7	9	J	i	i	J	J	J	...	...	...	...	...	...	⊔ ⊓ ●° *a*.
17	St-Cu:A-Cu:Ci.	A-Cu:Ci:Ci-St.	---	8	9	7	7	0	7	K	H	G	G	J	J	...	...	...	...	...	...	⊓ *a* : ↗ (gusts) *n*.
18	St-Cu.	St-Cu:Ci.	---	9	9	3	--	0	2	K	K	i	-	J	J	...	...	...	—	...	...	⊓ *n*.
19	St-Cu:Ci.	St:A-Cu:Ci.	---	3	8	9	1	0	0	K	i	i	J	J	J	...	...	...	...	...	...	⊓ *a* and *n*.
20	Ci.	A-Cu:Ci:Ci-Cu.	---	2	9	8	8	0	4	J	G	i	J	i	G	...	...	...	...	...	...	⊓ *a* and *n*.
21	Cu:St-Cu:A-Cu.	Cu:St-Cu:Ci.	---	7	9	8	3	0	8	J	i	J	J	J	i	...	...	...	...	...	...	⊓ *a* and *n*.
22	Nb:Cu:A-Cu.	Cu:St-Cu.	---	9	1	4	3	0	10	i	i	J	i	i	K	●	...	...	...	...	...	●° ● early *a* and *n*.
23	St:St-Cu.	St-Cu:A-St:Ci.	St-Cu.	9	9	9	6	9	10	K	J	J	i	J	i	...	...	...	...	...	●	● *n*.
24	St-Cu.	---	St-Cu.	2	0	0	6	9	5	K	H	i	G	G	G	...	...	...	...	...	...	⊓ *a* and *n*.
25	St.	St.	St.	10	10	10	--	10	10	D	C	D	-	D	F	...	...	...	—	...	...	f *a* and *p* : f m *n*.
26	St.	St.	St.	10	10	10	10	10	10	D	B	E	E	F	D	...	...	...	...	...	...	f ⊓ *a* and *n* : f m *p*.
27	St.	St:St-Cu.	St-Cu.	10	10	10	10	9	9	i	F	H	G	i	J	...	...	...	...	...	...	m ⊓ *a*.
28	Cu:Ci-St.	St-Cu.	St.	1	7	9	10	10	9	G	G	H	i	G	J	...	...	...	...	...	...	⊓ *a*.
29	St:A-St.	St.	St.	10	10	10	10	10	10	i	H	G	H	H	J	...	...	...	...	●°	●°	p ●° early *a* : ●° late *p* and *n*.
30	St:St-Cu.	St:St-Cu.	St.	9	10	10	10	10	10	K	J	J	F	F	i	...	...	...	●°	●°	...	●° m *p*.
31	Ci.	St:St-Cu:A-St.	Ci.	3	8	9	9	6	8	J	J	i	J	i	J	...	...	...	...	...	...	⊔ early *a* : ●° late *p*.
Mean Cloud Am'nt.				6·9	7·3	7·3	6·5†	5·6	5·8													
Mean Annual Cloud Am'nt.				7·1	7·5	7·9	7·7	6·9	6·1													

* Mean of 26 days. † Mean of 27 days.

ELECTRICAL OBSERVATIONS AT 14h. 30m. MEAN VALUES FOR PERIODS OF 20 MINS. WILSON METHOD, UNDERGROUND LABORATORY. POTENTIAL GRADIENT=F, CONDUCTIVITY=λ_+, AIR-EARTH CURRENT=i.

540. Richmond (Kew Observatory). 1932.

Month.	January.			February.			March.			April.			May.			June.		
Day	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$
	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	Ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	Ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·85	28	109
2	...	...	...	6·95	15	102	...	...	...	...	...	...	1·15	62	70	3·80	37	142
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·95	31	121
4	...	...	...	11·20	9	102	...	...	...	2·30	32	75	3·70	32	118	...	...	...
5	...	...	...	6·20	19	121	...	...	...	2·60	39	102	3·15	26	83	...	...	...
6	...	...	...	...	...	...	...	...	...	2·35	56	130	3·10	31	97	3·05	44	133
7	4·65	12	55	...	...	...	2·55	32	81	3·45	73	251	...	...	...	2·25	63	142
8	7·75	4	34	5·80	9	51	...	...	...	4·25	50	212	...	...	...	1·30	42	56
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·35	64	87
10	...	...	...	...	...	...	3·35	23	75	...	...	...	1·85	48	90	1·45	72	105
11	9·75	17	168	...	...	...	3·25	37	120	...	...	...	...	...	...	...	...	...
12	5·55	19	106	...	...	...	...	...	...	1·80	47	84	2·45	67	164	...	...	...
13	4·15	17	70	...	...	...	...	...	...	...	...	...	...	...	...	4·50	42	189
14	3·80	25	94	...	...	...	5·95	17	100	...	...	...	...	...	...	3·70	43	161
15	3·70	29	106	4·25	24	102	6·20	17	108	5·55	28	156	...	...	...	3·00	44	132
16	...	...	...	4·55	30	136	5·80	20	114	...	...	...	...	...	...	2·85	54	154
17	5·50	15	82	6·80	15	99	...	...	...	...	...	...	1·90	74	141	3·00	33	98
18	3·95	18	72	7·30	14	102	2·85	29	84	...	...	...	...	...	...	...	...	...
19	...	...	...	6·55	16	102	...	...	...	3·30	19	62	2·40	73	176	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	2·75	72	199	1·80	50	90
21	...	...	...	...	...	...	...	...	...	3·20	45	146	...	...	...	2·25	63	141
22	...	...	...	...	...	...	...	...	...	2·25	48	107	...	...	...	2·00	60	118
23	...	...	...	5·45	18	99	...	...	...	...	...	...	...	...	...	3·70	24	89
24	...	...	...	6·50	32	207	3·25	32	103	...	...	...	3·75	35	131	1·70	33	56
25	...	...	...	5·20	23	117	...	...	...	1·70	42	72	...	...	...	...	...	...
26	8·30	6	50	...	...	...	...	...	...	2·45	39	94	2·80	43	122	...	...	...
27	7·50	9	71	...	...	...	...	...	...	2·90	37	110	...	...	...	1·55	71	110
28	4·90	18	87	...	...	...	...	...	...	3·00	46	138	...	...	...	1·90	74	140
29	...	...	...	6·20	23	141	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	---	---	---	3·80	46	175	...	...	...	...	...	...	1·45	74	106
31	...	...	...	---	---	---	3·90	36	141	---	---	---	1·70	62	105	---	---	---
Mean.	5·80	16	83	6·40	19	114	4·10	29	110	2·95	43	124	2·55	52	125	2·60	50	118
No. of Days Used.	12	12	12	13	13	13	10	10	10	14	14	14	12	12	12	21	21	21

Month.	July.			August.			September.			October.			November.			December.		
Day.	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$	F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$
	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt. cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp. cm.$^{-2}$	Volt cm.$^{-1}$	ohm.$^{-1}$ cm.$^{-1}$	amp cm.$^{-2}$
1	1·95	96	189	...	...	...	...	...	...	...	...	...	...	...	...	5·80	15	86
2	...	...	...	1·45	62	90	...	...	...	...	...	...	2·25	30	67	...	...	...
3	...	...	...	1·90	63	119	...	...	...	3·05	42	127	3·90	31	119	...	...	...
4	1·90	66	127	1·60	65	103	...	...	...	2·70	36	99	3·50	36	125	...	...	...
5	...	...	...	1·55	53	81	...	...	...	3·45	24	84	...	...	...	9·55	8	73
6	1·35	65	88	...	...	...	2·65	58	154	2·50	52	129	...	...	...	...	...	...
7	2·35	74	173	...	...	...	...	...	...	2·30	43	99	7·10	13	93	6·80	10	71
8	1·60	63	100	1·75	61	107	...	...	...	...	...	...	4·55	21	96	7·55	18	133
9	...	...	...	...	...	...	2·10	73	152	...	...	...	5·90	16	94	5·90	19	114
10	...	...	...	...	...	...	...	...	...	3·40	36	121	7·50	8	62	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	1·75	50	89	2·20	75	165	2·30	46	105	2·90	32	94	...	...	...	7·50	8	59
13	...	...	...	...	...	...	2·60	42	109	3·05	28	84	...	...	...	4·40	12	51
14	2·00	68	137	...	...	...	2·10	57	120	3·15	28	89	...	...	...	6·20	13	79
15	...	...	...	2·55	58	149	4·70	25	116	...	...	...	6·40	14	91	3·60	23	84
16	...	...	...	3·85	35	133	3·80	32	123	...	...	...	6·30	13	79	5·10	19	97
17	...	...	...	2·00	78	157	...	...	...	3·60	28	101	5·70	17	97	...	...	...
18	2·40	46	111	2·50	61	154	...	...	...	2·95	26	77	4·40	11	48	...	...	...
19	1·60	65	106	2·80	83	232	2·10	35	74	2·70	26	70	...	...	...	4·30	33	141
20	1·90	62	118	...	...	...	...	...	...	4·20	25	106	...	...	...	...	...	...
21	...	...	...	...	...	...	4·60	35	159	...	...	...	4·90	19	94	4·60	24	109
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·50	19	87
23	...	...	...	3·60	45	161	...	...	...	...	...	...	3·70	15	55	5·25	25	133
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	3·30	42	139	...	...	...	4·15	16	65	3·65	17	64	...	...	...
26	...	...	...	2·50	51	127	3·35	45	151	3·40	30	103	...	...	...	...	...	...
27	...	...	...	...	...	...	4·65	33	155	4·00	22	89	...	...	...	...	...	...
28	1·95	42	83	...	...	...	6·20	27	165	...	...	...	4·85	9	41	3·55	19	66
29	...	...	...	1·65	64	105	3·60	29	103	...	...	...	4·55	12	54	...	...	...
30	...	...	...	1·60	79	127	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	2·20	51	113	---	---	---	3·70	26	98	---	---	---	...	...	...
Mean.	1·90	63	120	2·30	60	133	3·45	41	130	3·25	31	96	4·95	18	80	5·65	18	92
No. of Days Used.	11	11	11	17	17	17	13	13	13	17	17	17	16	16	16	15	15	15

		F	$\lambda_+ \times 10^{18}$	$i \times 10^{18}$
The Year.	Mean. . . .	3·75	37	110
	No. of Days Used. .	171	171	171

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	1	1·2	0	...	0	...	1	1·8	1	2·8	0	...
2	0	...	0	...	0	...	2	3·5	2	6·3	1	0·5
3	0	...	0	...	0	...	2	7·3	2	3·4	0	...
4	0	...	1	1·4	0	...	1	0·2	0	...	1	2·2
5	1	0·3	0	...	1	0·4	0	...	1	1·2	1	1·3
6	2	6·2	0	...	1	0·1	1	0·8	1	0·1	0	...
7	0	...	0	...	1	1·6	2	4·2	2	3·1	0	...
8	0	...	0	...	2	8·0	1	0·9	0	...	0	...
9	2	4·2	1	0·2	0	...	1	0·1	2	7·8	0	...
10	2	20·8	2	5·3	2	3·5	2	5·4	1	0·6	0	...
11	2	3·2	0	...	1	0·2	1	1·4	2	3·5	1	0·9
12	0	...	1	0·1	0	...	1	1·5	0	...	1	0·1
13	1	0·8	0	...	0	...	1	1·0	1	0·2	0	...
14	0	...	0	...	0	...	2	8·0	0	...	0	...
15	1	1·6	1	0·4	0	...	1	0·1	1	1·8	0	...
16	0	...	1	0·4	0	...	2	12·2	1	2·3	0	...
17	1	1·6	0	...	0	...	1	1·4	0	...	0	...
18	0	...	0	...	0	...	0	...	0	...	0	...
19	0	...	0	...	0	...	0	...	0	...	0	...
20	0	...	1	0·3	0	...	1	2·4	1	2·7	0	...
21	0	...	0	...	0	...	1	1·3	2	(3·3)	0	...
22	0	...	1	0·5	2	5·3	0	...	2	(4·0)	0	...
23	0	...	0	...	1	1·5	1	0·6	1	2·4	0	...
24	0	...	1	0·7	0	...	0	...	0	...	0	...
25	0	...	0	...	0	...	0	...	0	...	0	...
26	0	...	0	...	2	3·3	1	1·3	0	...	0	...
27	0	...	0	...	2	3·5	1	0·9	2	8·7	0	...
28	0	...	0	...	1	1·0	1	2·3	2	4·3	0	...
29	0	...	0	...	2	3·5	1	0·2	1	(0·3)	0	...
30	0	...	---	---	2	7·2	1	1·0	2	5·2	1	1·0
31	0	...	---	---	1	2·0	---	---	0	...	---	---
Total	---	39·9	---	9·3	---	41·1	---	59·8	---	64·0	---	6·0
No. of Days Used.	---	31	---	29	---	31	---	30	---	31	---	30
Mean.	---	1·3	---	0·3	---	1·3	---	2·0	---	2·1	---	0·2

Month.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
Day.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.	Character	Duration Negative Pot.Grad.
		Hours.		Hours.		Hours.		Hours.		Hours.		Hours.
1	2	3·7	1	2·8	0	...	1	2·0	0	...	2	3·1
2	0	...	1	0·3	0	...	1	0·9	1	0·3	1	1·7
3	0	...	0	...	2	5·0	1	0·4	1	0·3	0	...
4	0	...	0	...	0	...	0	...	1	0·1	0	...
5	1	1·6	0	...	0	...	0	...	0	...	0	...
6	0	...	0	...	1	0·3	0	...	0	...	0	...
7	1	2·4	1	0·1	1	1·0	0	...	0	...	0	...
8	0	...	0	...	0	...	2	5·9	0	...	0	...
9	1	0·1	0	...	0	...	1	1·6	0	...	0	...
10	0	...	0	...	1	0·3	1	1·3	0	...	0	...
11	1	1·3	0	...	0	...	2	5·4	1	0·2	1	0·7
12	0	...	1	2·5	0	...	1	0·4	0	...	0	...
13	1	0·8	0	...	0	...	1	0·9	0	...	0	...
14	0	...	0	...	1	0·5	2	3·6	0	...	1	0·1
15	1	0·4	0	...	0	...	1	0·8	0	...	1	0·3
16	0	...	1	0·1	0	...	0	...	0	...	0	...
17	1	0·8	0	...	0	...	0	...	1	0·1	0	...
18	1	0·9	0	...	1	2·7	1	0·1	0	...	0	...
19	0	...	1	0·1	0	...	1	0·5	1	0·8	0	...
20	0	...	1	1·4	0	...	1	1·2	1	0·5	0	...
21	1	1·0	1	0·5	0	...	1	2·1	1	1·6	0	...
22	1	1·3	1	0·6	1	1·2	1	0·2	2	3·4	1	1·9
23	0	...	0	...	1	0·7	2	7·9	1	0·6	1	1·5
24	1	0·7	0	...	0	...	1	0·8	1	0·1	0	...
25	2	5·7	0	...	1	0·2	1	0·6	0	...	0	...
26	1	1·7	1	0·1	0	...	1	1·6	0	...	1	0·1
27	1	2·5	1	0·2	0	...	2	3·8	1	2·7	0	...
28	1	0·3	0	...	0	...	2	7·2	0	...	0	...
29	1	0·2	1	1·1	1	0·7	1	2·1	0	...	0	...
30	0	...	0	...	1	0·8	1	0·6	1	1·2	1	2·9
31	1	0·4	0	...	---	---	1	0·3	---	---	1	0·6
Total	---	25·8	---	9·8	---	13·4	---	52·2	---	11·9	---	12·9
No.of Days Used.	---	31	---	31	---	30	---	31	---	30	---	31
Mean.	---	0·8	---	0·3	---	0·4	---	1·7	---	0·4	---	0·4

Annual Values :- Character Frequency 0: 195, 1: 132, 2: 39; Duration Total 346·1, No. of Days. 366, Mean. 0·95

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. Richmond (Kew Observatory). 1932.

Month.	JANUARY. Factor. 2·47.				FEBRUARY. Factor. 2·49. 2·69.				MARCH. Factor. 2·68.			
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	550	-175	575	425	525	765	680	590	490	665	840	815
2	75	185	250	300	705	730	715	625	650	760	895	950
3	85	110	235	185	540	665	290	705	595	800	815	865
4	85	385	300	250	-200	1240	1105	665	705	690	585	960
5	175	475	350	200	525	565	730	865	665	490	255	705
6	125	200	-125	250	475	790	715	840	270	650	Z+	625
7	225	660	485	695	780	1805	740	715	405	760	255	675
8	600	1045	635	400	475	475	655	450	245	Z-	310	380
9	Z+	Z+	-75	-185	225	550	640	655	705	920	800	855
10	-250	-150	-200	Z-	190	Z±	Z+	-95	650	1085	380	190
11	-150	525	400	760	280	620	515	720	570	745	325	635
12	635	795	575	450	380	705	515	870	500	730	665	880
13	75	150	410	435	760	885	570	655	555	720	435	460
14	275	835	400	360	380	490	355	515	380	540	730	895
15	-125	425	375	400	Z±	705	395	545	625	585	595	705
16	125	225	160	225	545	395	490	1035	595	675	595	555
17	-25	210	400	575	750	995	760	910	555	815	650	865
18	100	335	485	625	545	815	735	870	515	675	350	785
19	200	535	425	410	790	995	680	625	420	770	215	395
20	435	475	375	550	490	845	625	910	245	435	205	270
21	510	610	660	785	610	1115	380	515	150	395	175	490
22	535	510	625	600	515	490	165	680	205	255	-445	840
23	685	585	645	945	365	655	560	655	785	1005	880	570
24	550	525	410	460	420	245	790	680	325	585	340	570
25	585	870	910	810	420	790	545	900	325	310	310	530
26	350	685	895	885	490	800	885	610	300	745	650	285
27	385	770	745	685	325	680	610	625	175	215	325	-285
28	300	460	550	460	220	380	505	490	215	270	310	595
29	235	350	575	735	300	530	640	720	205	340	-15	310
30	795	910	525	500	---	---	---	---	Z-	40	350	585
31	735	525	435	560	---	---	---	---	215	405	405	690
Means (a)	363	513	493	514	482	740	607	701	441	603	487	631
Means (b)	315	489	472	514	468	741	615	707	454	621	447	609
Mean for day.	(a) 471		(b) 447		(a) 633		(b) 633		(a) 541		(b) 533	

Month.	APRIL. Factor 2·62.				MAY. Factor 2·68.				JUNE. Factor 2·67.			
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	345	770	170	385	435	555	Z+	Z±	245	635	390	380
2	210	280	225	740	-205	165	110	165	160	515	405	380
3	555	0	25	425	110	215	435	325	270	420	420	390
4	Z+	425	200	690	135	405	380	435	95	430	460	-65
5	250	545	265	585	380	420	Z±	460	120	295	285	540
6	210	360	240	210	325	490	325	350	405	350	285	190
7	105	250	Z+	410	285	460	165	Z±	245	325	205	380
8	145	320	450	465	435	270	120	490	285	380	205	335
9	545	250	225	360	530	-950	Z±	435	175	350	135	255
10	65	160	-25	400	445	675	175	500	365	445	160	515
11	320	360	Z±	475	300	255	205	365	295	310	150	270
12	280	385	170	65	135	325	255	340	245	270	110	215
13	240	530	200	425	110	475	270	490	175	475	405	445
14	170	-400	Z+	345	165	310	205	540	325	595	380	485
15	610	515	530	515	205	-150	340	270	310	485	325	245
16	450	170	-170	-1285	15	215	150	175	135	230	310	475
17	185	265	200	305	245	365	190	555	390	635	310	335
18	240	740	475	650	460	380	300	230	160	405	310	270
19	280	370	305	610	230	285	215	380	325	215	175	365
20	240	320	Z±	Z±	350	445	285	405	190	270	295	325
21	345	330	Z+	740	270	365	55	0	245	255	270	445
22	385	475	210	585	---	175	Z±	270	365	420	230	160
23	370	160	200	545	95	255	270	-15	205	540	380	160
24	160	210	210	360	40	555	325	490	160	270	190	310
25	265	675	160	545	380	405	270	445	160	255	150	335
26	160	330	225	370	365	730	285	405	270	245	135	215
27	240	665	265	305	405	Z-	135	-255	160	285	160	270
28	-610	265	305	515	55	255	Z±	490	160	190	190	230
29	280	280	240	625	230	245	215	340	175	295	135	310
30	185	320	240	Z±	-135	300	205	325	110	150	---	205
31	---	---	---	---	350	460	190	175	---	---	---	---
Means (a)	280	370	249	469	267	373	234	365	231	365	261	325
Means (b)	255	379	222	378	211	352	241	341	235	372	261	316
Mean for day.	(a) 342		(b) 309		(a) 310		(b) 286		(a) 295		(b) 296	

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.

KELVIN ELECTROGRAPH STANDARDIZED BY WILSON READINGS, UNDERGROUND LABORATORY.

Mean Values for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

542. Richmond (Kew Observatory). 1932.

Month.	JULY. Factor 2·71				AUGUST. Factor 2·73 / 2·56				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	180	40	190	315	220	195	Z±	Z-	270	445	160	160
2	165	300	135	495	150	385	140	220	110	205	95	295
3	315	235	135	395	260	290	195	375	80	-620	295	430
4	135	330	180	330	220	315	165	440	215	335	160	390
5	245	410	135	55	375	275	165	330	230	500	190	245
6	70	395	135	220	330	275	165	360	150	120	205	270
7	290	300	245	355	165	180	140	345	205	350	-405	525
8	190	345	165	180	250	375	180	205	190	230	190	150
9	125	300	135	135	140	510	220	220	190	405	215	350
10	125	290	135	275	55	440	205	315	215	365	150	310
11	150	440	Z±	245	260	635	140	290	135	80	175	325
12	55	385	190	190	Z±	315	205	275	160	380	135	230
13	25	355	110	300	220	305	140	330	80	---	215	215
14	205	245	190	190	110	305	205	260	120	310	215	230
15	110	220	150	135	180	260	250	415	120	295	445	380
16	110	275	180	330	125	360	385	125	95	380	380	350
17	135	135	40	150	140	375	195	360	110	95	120	135
18	205	275	245	355	260	415	260	525	80	110	215	-160
19	150	410	165	245	220	440	250	150	120	515	285	460
20	220	290	205	205	345	440	165	250	270	475	525	580
21	220	395	150	220	Z±	235	140	235	270	755	475	770
22	165	330	55	575	95	550	330	290	445	500	160	295
23	260	345	190	70	275	470	330	305	205	430	420	445
24	150	135	135	220	250	605	275	430	460	595	335	715
25	110	260	-245	220	235	440	315	330	175	325	365	605
26	135	535	Z-	Z+	165	305	280	130	295	660	310	540
27	205	275	-410	345	155	395	165	100	325	500	405	485
28	165	245	150	235	165	335	90	305	335	700	580	690
29	165	275	95	220	140	305	155	Z±	285	580	380	335
30	135	300	165	330	115	305	205	230	160	460	270	310
31	235	370	235	125	230	305	245	220	---	---	---	---
Means (a)	166	305	157	255	202	366	210	288	203	396	278	387
Means (b)	168	292	124	256	203	381	215	291	208	361	257	374
Mean For Day.	(a) 221		(b) 210		(a) 267		(b) 273		(a) 316		(b) 300	

Month.	OCTOBER. Factor. 2·64.				NOVEMBER. Factor 2·67.				DECEMBER. Factor. 2·69			
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	---	290	Z±	685	385	695	225	415	-65	445	590	795
2	275	555	250	635	360	440	240	375	510	660	-175	350
3	290	580	290	475	55	255	345	480	150	540	455	565
4	450	580	265	490	255	320	345	135	310	455	415	430
5	460	605	395	475	215	535	535	585	365	455	805	550
6	450	450	225	500	535	560	375	480	540	645	755	755
7	200	265	210	315	305	545	625	655	565	835	725	700
8	185	-265	275	685	400	360	425	400	485	740	780	675
9	-145	460	330	435	335	360	535	415	280	590	550	780
10	410	900	315	530	455	255	800	695	310	630	565	525
11	65	-315	Z±	240	415	625	505	545	310	295	365	375
12	170	475	275	290	160	200	440	425	485	605	820	715
13	-55	120	290	490	145	320	465	455	645	590	430	455
14	305	Z-	330	540	160	560	680	615	160	510	565	405
15	160	435	330	540	600	665	640	535	270	215	365	485
16	275	290	315	435	215	520	655	710	455	470	470	590
17	130	330	355	370	305	505	545	375	375	405	445	365
18	80	290	275	570	440	560	495	455	175	200	430	510
19	345	580	315	185	200	425	425	360	240	455	430	580
20	160	225	475	820	145	105	215	320	215	335	405	485
21	-130	290	490	185	-95	335	465	425	295	350	455	540
22	105	145	55	595	440	535	-425	480	295	455	430	470
23	315	240	0	200	265	400	360	585	240	375	510	150
24	265	555	80	385	320	465	255	505	430	605	470	455
25	385	555	410	240	120	375	335	385	485	915	550	590
26	80	120	Z±	475	135	185	295	415	470	565	365	200
27	265	435	385	Z±	145	305	-55	415	160	405	510	390
28	0	450	Z-	885	280	760	495	400	135	430	365	455
29	450	845	660	Z-	400	520	600	360	280	270	310	405
30	185	275	250	210	105	225	65	160	135	295	-65	805
31	105	225	385	675	---	---	---	---	675	780	415	335
Means (a)	243	413	305	467	286	431	442	452	348	501	508	512
Means (b)	211	382	286	447	273	431	397	452	335	501	468	512
Mean for Day.	(a) 357		(b) 331		(a) 403		(b) 388		(a) 467		(b) 454	
							Annual Means	(a)	293	448	353	447
							Annual Means	(b)	278	442	334	433
									(a)	385	(b)	372

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): DIURNAL INEQUALITIES (in volts per metre).

The departures from the mean of the day are adjusted for non-cyclic change.†

SELECTED QUIET DAYS.

543. Richmond (Kew Observatory). 1932.

Month and Season.	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Non Cyclic Change	Mean Values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
Jan.	- 84	-102	-137	-152	- 95	-103	- 64	- 37	+ 53	+ 96	+ 78	+ 55	+ 47	+ 46	+ 39	+ 54	+ 55	+ 59	+ 65	+ 66	+ 60	+ 33	- 3	- 31	+14	454
Feb.	- 44	- 84	-114	-140	-180	-148	- 79	- 13	+ 73	+ 51	+114	+ 91	+ 53	+ 23	- 20	+ 2	+ 12	+106	+ 95	+ 99	+ 85	+ 25	+ 12	- 18	...	606
Mar.	+ 14	- 64	-113	-118	-132	- 72	- 27	- 1	+ 46	+109	+ 42	+ 3	- 50	- 66	- 65	- 60	- 12	+ 51	+ 84	+ 84	+113	+ 85	+ 68	+ 83	-50	562
Apr.	- 21	- 62	- 85	- 68	- 76	- 30	+ 91	+143	+110	+ 27	- 59	- 70	-100	- 92	- 89	- 94	- 63	- 52	- 16	+118	+198	+148	+107	+ 34	...	347
May.	+ 76	+ 25	- 21	- 14	- 3	+ 36	+ 91	+ 70	+ 76	- 3	- 63	- 93	-100	- 90	- 85	- 79	- 62	- 61	- 12	+ 23	+ 66	+ 92	+ 65	+ 64	+30	323
June.	- 13	- 40	- 38	- 47	- 45	- 22	+ 29	+ 70	+ 85	+ 66	+ 20	- 12	- 39	- 53	- 45	- 32	- 40	- 22	- 3	+ 39	+ 61	+ 60	+ 18	+ 4	-21	288
July.	- 4	- 23	- 57	- 69	- 65	- 30	+ 41	+107	+ 84	+ 63	+ 16	- 9	- 33	- 53	- 55	- 53	- 44	- 27	- 10	+ 21	+ 41	+ 77	+ 65	+ 18	-25	230
Aug.	- 11	+ 9	- 11	- 21	- 40	- 8	+ 70	+ 72	+ 83	+ 61	+ 15	- 11	- 34	- 63	- 72	- 89	- 82	- 73	- 30	+ 37	+ 70	+ 87	+ 38	+ 3	...	254
Sept.	- 81	-105	-110	-122	- 94	- 69	- 3	+ 89	+138	+103	+ 54	+ 4	- 48	-101	- 49	- 52	+ 12	+ 59	+ 80	+106	+124	+ 68	+ 28	- 32	+ 9	382
Oct.	- 46	- 72	- 63	- 86	- 93	- 78	- 26	+ 83	+127	+108	+ 32	- 29	- 58	- 71	- 53	- 22	+ 33	+ 99	+130	+ 65	+ 33	+ 26	- 9	- 30	...	373
Nov.	- 73	- 72	-139	-127	-126	-141	- 71	- 26	- 1	+ 31	+ 36	+ 11	+ 12	+ 39	+ 70	+104	+ 85	+ 50	+ 96	+ 95	+ 74	+ 62	+ 15	- 29	-29	438
Dec.	- 59	- 81	-107	-121	-128	-135	-115	- 34	+ 46	+ 83	+ 79	+ 33	- 2	+ 5	+ 22	+ 46	+ 77	+101	+ 86	+ 90	+ 72	+ 34	+ 22	- 18	-74	433
Year.	- 29	- 56	- 83	- 90	- 90	- 67	- 5	+ 44	+ 77	+ 66	+ 30	- 2	- 29	- 40	- 33	- 23	- 2	+ 24	+ 47	+ 70	+ 83	+ 66	+ 35	+ 4	...	391
Winter.	- 65	- 85	-124	-135	-132	-132	- 82	- 27	+ 43	+ 65	+ 77	+ 47	+ 27	+ 28	+ 28	+ 51	+ 57	+ 79	+ 85	+ 87	+ 73	+ 39	+ 11	- 24	...	483
Eqnx.	- 33	- 76	- 93	- 99	- 99	- 62	+ 9	+ 79	+105	+ 87	+ 17	- 23	- 64	- 83	- 64	- 57	- 7	+ 39	+ 69	+ 93	+117	+ 82	+ 49	+ 14	...	416
Summer.	+ 12	- 7	- 32	- 38	- 38	- 6	+ 58	+ 80	+ 82	+ 47	- 3	- 31	- 51	- 65	- 64	- 63	- 57	- 46	- 14	+ 30	+ 59	+ 79	+ 47	+ 22	...	274

AIR POLLUTION: HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre).

COMPLETE DAYS ONLY.

544. Richmond (Kew Observatory). 1932.

Month and Season.	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean	No. of Days Used.
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	
Jan.	·26	·25	·24	·22	·19	·19	·18	·19	·28	·41	·43	·35	·28	·29	·28	·29	·35	·37	·38	·32	·35	·36	·37	·29	·30	30
Feb.	·33	·29	·26	·21	·17	·14	·17	·22	·31	·37	·42	·43	·34	·35	·31	·30	·32	·36	·43	·49	·53	·54	·48	·39	·34	27
Mar.	·43	·40	·36	·30	·24	·24	·24	·32	·42	·47	·46	·37	·29	·26	·27	·29	·30	·31	·46	·56	·63	·63	·61	·52	·39	27
Apr.	·10	·07	·07	·07	·07	·07	·11	·14	·17	·16	·14	·12	·11	·11	·11	·12	·13	·16	·17	·20	·23	·23	·21	·15	·13	30
May.	·11	·11	·10	·10	·10	·11	·12	·15	·13	·13	·14	·14	·13	·10	·09	·09	·10	·10	·11	·12	·15	·17	·15	·12	·12	31
June.	·07	·07	·07	·07	·07	·07	·09	·13	·13	·08	·09	·06	·05	·04	·05	·05	·05	·05	·06	·06	·07	·08	·08	·07	·07	30
July.	·04	·04	·04	·05	·04	·06	·07	·08	·08	·05	·05	·05	·03	·03	·03	·03	·04	·03	·03	·04	·05	·05	·04	·04	·04	30
Aug.	·07	·07	·08	·07	·08	·09	·11	·14	·13	·09	·08	·08	·05	·05	·04	·04	·03	·04	·05	·06	·08	·09	·09	·09	·07	31
Sept.	·09	·07	·08	·08	·11	·11	·14	·19	·19	·15	·13	·13	·12	·09	·09	·10	·11	·12	·14	·17	·17	·15	·12	·09	·12	29
Oct.	·11	·08	·07	·07	·07	·09	·11	·15	·23	·21	·14	·13	·11	·12	·13	·15	·17	·21	·28	·30	·32	·33	·24	·19	·17	31
Nov.	·30	·24	·22	·20	·18	·19	·20	·23	·33	·45	·47	·44	·38	·33	·30	·30	·34	·41	·45	·46	·49	·45	·39	·32	·34	30
Dec.	·14	·12	·10	·08	·08	·08	·09	·15	·28	·35	·35	·32	·28	·24	·23	·23	·28	·32	·36	·39	·39	·38	·34	·23	·24	31
Year.	·17	·15	·14	·13	·12	·12	·14	·17	·22	·24	·24	·22	·18	·17	·16	·17	·18	·21	·24	·26	·29	·29	·26	·21	·19	357
Winter.	·26	·23	·21	·18	·15	·15	·16	·20	·30	·39	·42	·38	·32	·30	·28	·28	·32	·37	·41	·41	·44	·44	·39	·31	·30	118
Eqnx. Spring	·27	·23	·21	·18	·15	·15	·17	·23	·30	·31	·30	·25	·20	·19	·19	·20	·22	·24	·31	·38	·43	·43	·41	·34	·26	57
Autumn.	·10	·08	·08	·08	·09	·10	·12	·17	·21	·18	·14	·13	·11	·10	·11	·13	·14	·17	·21	·24	·25	·24	·18	·14	·15	60
Summer.	·07	·07	·07	·07	·07	·08	·10	·12	·12	·09	·09	·08	·06	·05	·05	·05	·05	·05	·06	·07	·09	·10	·09	·08	·08	122

AIR POLLUTION: DIURNAL INEQUALITIES (milligrams per cubic metre).

The departures from the mean of the day are adjusted for non-cyclic change.†

545. Richmond (Kew Observatory). 1932.

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Non Cyclic Change	Range
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Jan.	-·05	-·06	-·07	-·09	-·12	-·12	-·12	-·11	-·03	+·11	+·13	+·05	-·02	-·01	-·01	·00	+·06	+·09	+·09	+·04	+·06	+·08	+·09	+·01	-·04	·25
Feb.	-·01	-·05	-·08	-·13	-·17	-·20	-·17	-·12	-·03	+·03	+·08	+·09	·00	+·01	-·03	-·04	-·02	+·02	+·09	+·14	+·19	+·20	+·14	+·05	00	·40
Mar.	+·03	·00	-·04	-·10	-·15	-·16	-·15	-·07	+·03	+·08	+·07	-·02	-·10	-·13	-·12	-·10	-·09	-·07	+·07	+·17	+·24	+·25	+·22	+·14	-·01	·41
Apr.	-·03	-·06	-·06	-·07	-·07	-·06	-·03	+·01	+·04	+·02	+·01	-·01	-·02	-·02	-·02	-·02	·00	+·02	+·03	+·06	+·09	+·09	+·07	+·02	+·01	·16
May.	-·01	-·01	-·02	-·02	-·02	-·01	·00	+·03	+·02	+·01	+·02	+·02	+·01	-·02	-·03	-·03	-·02	-·02	-·01	·00	+·03	+·05	+·03	·00	·00	·08
June.	·00	·00	·00	·00	-·01	-·01	+·02	+·06	+·06	+·01	+·02	-·01	-·02	-·03	-·02	-·02	-·02	-·02	-·01	-·01	·00	+·01	+·01	·00	·00	·09
July.	-·01	·00	-·01	·00	·00	+·01	+·03	+·04	+·04	·00	·00	·00	-·01	-·01	-·02	-·02	-·01	-·02	-·01	-·01	+·01	·00	·00	·00	·00	·06
Aug.	-·01	·00	·00	·00	+·01	+·02	+·04	+·07	+·06	+·02	+·01	·00	-·03	-·03	-·04	-·04	-·05	-·03	-·03	-·02	·00	+·01	+·01	+·01	+·01	·12
Sept.	-·04	-·06	-·04	-·04	-·01	-·01	+·02	+·07	+·07	+·02	+·01	+·01	-·01	-·04	-·03	-·02	-·01	·00	+·02	+·05	+·05	+·03	00	-·03	-·01	·13
Oct.	-·05	-·07	-·09	-·09	-·09	-·07	-·06	-·01	+·07	+·05	-·03	-·04	-·06	-·05	-·04	-·02	·00	+·04	+·10	+·13	+·14	+·15	+·06	+·01	+·02	·24
Nov.	-·05	-·11	-·13	-·14	-·17	-·15	-·14	-·11	-·01	+·11	+·14	+·10	+·04	·00	-·03	-·03	+·01	+·08	+·13	+·13	+·16	+·13	+·06	-·01	-·03	·33
Dec.	-·10	-·12	-·14	-·16	-·16	-·16	-·15	-·09	+·04	+·11	+·11	+·07	+·04	-·01	-·01	-·01	+·03	+·07	+·11	+·15	+·15	+·14	+·09	-·01	·00	·31
Year.	-·03	-·05	-·06	-·07	-·08	-·08	-·06	-·02	+·03	+·05	+·05	+·02	-·01	-·03	-·03	-·03	-·01	-·01	+·05	+·07	+·09	+·10	+·07	+·02	·00	·18
Winter	-·05	-·08	-·11	-·13	-·15	-·16	-·14	-·11	-·01	+·09	+·11	+·08	+·02	·00	-·02	-·02	+·02	+·06	+·11	+·11	+·14	+·14	+·10	+·01	-·02	·30
Eqnx.	-·02	-·05	-·06	-·07	-·08	-·07	-·05	·00	+·05	+·04	+·01	-·01	-·05	-·06	-·05	-·04	-·03	·00	+·06	+·10	+·13	+·13	+·09	+·03	·00	·21
Summer	-·01	-·01	-·01	·01	·00	+·01	+·02	+·05	+·04	+·01	+·01	·00	-·01	-·02	-·03	-·03	-·03	-·02	-·01	-·01	+·01	+·02	+·01	·00	·00	·08

† see page 21

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. 1932.

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	Δ	Remarks.
Jan.		h. m. s.	s.	μ	μ	μ	km.	
1	eL	17 9	...	...	...	...	...	
	F	15	...	...	...	...	...	
2/3	eL	23 45	...	...	...	...	...	Felt in Calabria, Southern Italy.
	M_1	47 24	16	+20	...	...	...	38·5° N., 17·5° E.
	M_2	49 21	17	...	−37	...	...	(U.R.S.S.).
	M_3	49 29	16			−46	...	
	M_4	49 41	14	+21	...	...	...	
	F	0 0	...	...	...	...	...	
5	eL	2 53	...	...	...	...	...	
	F	3 20	...	...	...	...	...	
9	iz	10 40 13	...	...	...	...	...	Possibly deep focus or more than one shock.
	e	42 32	...	...	...	...	...	
	i	43 4	...	...	...	...	...	
	i_{NE}	43 38	...	...	...	...	...	
	e_{NE}	52 32	...	...	...	...	...	
	eL	11 2	...	...	...	...	...	
	M	28 54	14	...	−12	...	...	
	F	12 45	...	...	...	...	...	
13	eL	16 58	...	...	...	...	...	Confused by microseisms.
	F	17 30	...	...	...	...	...	
18	eL	13 20	...	...	...	...	...	
	M	23 59	16	...	−10	...	...	
	F	35	...	...	...	...	...	
20	eL	3 8	...	...	...	...	...	
	F	30	...	...	...	...	...	
24	eP^1	4 3 58	...	...	...	...	(16000)	Greater deviation.
	iP^1_2z	4 14	...	...	...	...	...	
	$eScPcSP_{NE}$	25 11	...	...	...	...	...	By path > 180°.
	$ePSS_E$	26 3	...	...	...	...	...	
	eL	5 2	...	...	...	...	...	Tonga Islands.
	M_1	8 45	22	−8	...	...	...	17° S., 169° E. (Wellington).
	M_2	9 29	22	...	+7	...	...	
	F	6 25	...	...	...	...	...	
25	e	3 14	...	...	...	...	...	Very small.
	F	35	...	...	...	...	...	
27	iP_{ZE}	19 45 10	...	...	...	...	2030	Dilatation.
	eS	48 36	...	...	...	...	...	
	L	49						
	M_1	49 57	18	−21	...	...	...	
	M_2	50 22	17	...	+9	...	...	
	M_3	51 39	13	...	...	+9	...	
	F	20 30	...	...	...	...	...	
29	eP^1z	14 0 37	...	...	...	...	(15000)	Solomon Islands.
	ePcPcS	3 56	...	...	...	...	...	7° S., 156° E.
	ePS_E	14 18	...	...	...	...	...	(J.S.A.).
	eSR_{1N}	20 53	...	...	...	...	...	
	L_{NE}	37	...	...	...	...	...	
	M_1	42 48	36	−65	...	...	...	
	M_2	43 8	38	...	−95	...	...	
	L_Z	45	...	...	...	...	...	
	M_3	50 25	29	+56	...	...	...	
	M_4	54 33	20	...	+52	...	...	
	M_5	15 0 50	22	+35	...	...	...	
	M_6	24 15	19	...	...	+43	...	
	F	18 10	...	...	...	...	...	
30	eL	4 5	...	...	...	...	...	
	F	5 25	...	...	...	...	...	
31	eL	5 55	...	...	...	...	...	
	F	6 10	...	...	...	...	...	
31	e	17 7	...	...	...	...	...	Very small.
	F	40	...	...	...	...	...	
Feb. 1	e	8 10	...	...	...	...	...	Very small.
	F	30	...	...	...	...	...	
3	iP_{EZ}	6 26 45	...	...	...	...	7350	Compression.
	i_{EZ}	26 49	...	...	...	...	...	Azimuth about west.
	eS	35 32	...	...	...	...	...	Destructive in Santiago de Cuba.
	L	43	...	...	...	...	...	19° N., 76° W. (J.S.A.).
	M_1	46 36	17	−17	...	...	...	
	M_2	57 55	18	...	+24	...	...	
	M_3	57 58	17	...	...	−23	...	
	F	8 35	...	...	...	...	...	
Feb 3	e	9 59	...	...	...	...	...	
	F	10 10	...	...	...	...	...	
3	e	13 21	...	...	...	...	...	
	F	45	...	...	...	...	...	
5	eL	14 24	...	...	...	...	...	
	F	35	...	...	...	...	...	
12	e	1 17	...	...	...	...	...	
	F	25	...	...	...	...	...	
13	e	8 22	...	...	...	...	...	
	F	25	...	...	...	...	...	
16	eL	14 55	...	...	...	...	...	Fiji Islands.
	M	15 6 26	23	−6	...	...	...	13° S., 180° (J.S.A.).
	F	16 20						
17	e	16 41	...	...	...	...	...	Very small.
	F	17 5	...	...	...	...	...	
21	e	12 59	...	...	...	...	...	
	F	13 5	...	...	...	...	...	
22	e	1 28	...	...	...	...	...	
	F	35	...	...	...	...	...	
23	ePR_1z	0 32 40	...	...	...	...	(12300)	South Atlantic Ocean.
	ePR_2	35 17	...	...	...	...	...	56° S., 30° W. (J.S.A.).
	$e(S)_E$	40 35	...	...	...	...	...	
	ePS_N	42 15	...	...	...	...	...	
	eSR_{1NE}	48 10	...	...	...	...	...	
	eSR_{2N}	52 17	...	...	...	...	...	
	L	58	...	...	...	...	...	
	M_1	1 1 18	35	−28	...	...	...	
	M_2	1 34	41	...	−57	...	...	
	M_3	4 6	29	...	+34	...	...	
	M_4	17 18	17	...	...	+9	...	
	eL_2	2 16	...	...	...	...	...	Via Antipodes.
	F	50	...	...	...	...	...	
23	$e(PR_1)_{ZN}$	20 33 2	...	...	...	...	...	Solomon Islands.
	eL	21 18	...	...	...	...	...	10° S., 161° E.
	M	27 51	26	+5	...	...	...	(Stuttgart).
	F	23 25	...	...	...	...	...	
27	e	1 40	...	...	...	...	...	
	F	55	...	...	...	...	...	Very small.
Mar. 3	—	— — —	...	...	...	...	...	No records, 9^h 30^m to 17^h 40^m.
4/5	eP_Z	23 30 54	...	...	...	...	...	
	eL	52	...	...	...	...	...	
	F	0 10	...	...	...	...	...	
5	e_N	2 15	...	...	...	...	...	Southern Spain.
	eL	17	...	...	...	...	...	37° 34′ N., 2° 45′ W.
	M	18 31	15	...	−10	...	...	(Toledo).
	F	25	...	...	...	...	...	
5	e	3 15	...	...	...	...	...	Very small.
	F	40	...	...	...	...	...	
8	e	5 7	...	...	...	...	...	
	F	50	...	...	...	...	...	
8	eP^1z	18 20 56	...	...	...	...	(17000)	Between Tonga and Kermadec Islands.
	$e(SR_2)_{NE}$	48 42	...	...	...	...	...	23° S., 179° W.
	eL	19 17	...	...	...	...	...	(Stuttgart).
	M	21 38	20	−3	...	...	...	
	F	20 15	...	...	...	...	...	
9	e	3 27	...	...	...	...	...	
	F	35	...	...	...	...	...	
9	eP_Z	10 21 29	...	...	...	...	2020	Destructive in Greek Island of Cephalonia.
	eS_{NE}	24 54	...	...	...	...	...	
	L	27	...	...	...	...	...	
	M	31 32	10	...	...	+4	...	
	F	40	...	...	...	...	...	

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E	A_Z.	Δ	Remarks.
Mar.		h. m. s.	s.	μ	μ	μ	km.	
10	ez	5 45	...	...	...	...	...	
	eL	6 32	...	...	...	...	...	
	F	7 45	...	...	...	...	...	
14	eL_{NE}	4 44	...	...	...	...	...	
	eL_Z	49	...	...	...	...	...	
	F	5 10	...	...	...	...	...	
14/15	iP	22 54 19	...	...	...	...	8100	Northern Columbia.
	i_{ZE}	54 25	...	...	...	...	...	10° N., 72° W.
	eS_E	23 3 44	...	...	...	...	...	(J.S.A.).
	e_E	4 31	...	...	...	...	...	
	L	15	...	...	...	...	...	
	M_1	18 36	27	...	−11	...	...	
	M_2	25 5	18	...	...	−11	...	
	F	0 10	...	...	...	...	...	
15	iP_Z	4 51 26	...	...	...	...	...	Felt in Guam.
	eL_{NE}	5 23	...	...	...	...	...	12·6° N., 146·3° E.
	eL_Z	30	...	...	...	...	...	(Manila).
	M	37 39	23	−6	...	...	...	
	F	6 0	...	...	...	...	...	
18	$e(S)_{NE}$	5 40 14	...	...	...	...	...	Indian Ocean.
	eL	53	...	...	...	...	...	13° S., 66° E.
	F	6 30	...	...	...	...	...	(Tananarive).
19	ePR_1	11 18 24	...	...	...	...	...	Felt in Guam.
	eSP_Z	27 38	...	...	...	...	...	16·5° N., 149° E.
	eL_{NE}	54	...	...	...	...	...	(Manila).
	M	55 31	27	+9	−5	...	...	
	eL_Z	56	...	...	...	...	...	
	F	13 35	...	...	...	...	...	
20	eL	0 5	...	...	...	...	...	
	F	55	...	...	...	...	...	
26	iP_{ZN}	0 9 11	...	...	...	...	(7100)	Confused by micro-
	iPS_N	18 37	...	...	...	...	...	seisms.
	eSR_{1ZE}	22 11	...	...	...	...	...	Alaska.
	L_E	25 25	...	...	...	...	...	61° N., 151° W.
	L_N	30 3	...	...	...	...	...	(J.S.A.).
	M_1	30 13	35	−50	−70	...	...	
	L_Z	31	...	...	...	...	...	
	M_2	31 6	31	...	+87	...	...	
	M_3	33 43	27	+46	...	...	...	
	M_4	36 22	22	−42	...	...	...	
	M_5	38 14	20	...	...	−36	...	
	eL_2	2 30	...	...	...	...	...	Via Antipodes.
	F	3 0	...	...	...	...	...	
26	e	10 21	...	...	...	...	...	Confused by micro-
	eL_{NE}	46	...	...	...	...	...	seisms.
	eL_Z	56	...	...	...	...	...	Banda Sea.
	M	11 7 14	22	−24	...	...	...	4° S., 120° E. (Kôti).
	F	12 15	...	...	...	...	...	
28	e	1 37	...	...	...	...	...	
	F	45	...	...	...	...	...	
Apr. 3	e_{NE}	21 23	...	...	...	...	...	Kermadec Islands.
	eL	23 3	...	...	...	...	...	33° S., 177° W.
	M	11 42	20	+6	...	...	...	(Strasbourg).
	F	40	...	...	...	...	...	
4	ez	19 34	...	...	...	...	...	South of Hatidyo
	e_{NE}	38 46	...	...	...	...	...	Island.
	i_{NE}	39 12	...	...	...	...	...	Focal depth about
	e_N	41 46	...	...	...	...	...	300 km. (Kôti).
	e_E	42 3	...	...	...	...	...	30° N., 141° E.
	eL_{NE}	20 1	...	...	...	...	...	(Pasadena).
	eL_Z	8	...	...	...	...	...	
	F	35	...	...	...	...	...	
6	e	9 57	...	...	...	...	...	
	F	10 10	...	...	...	...	...	
8	e	13 20	...	...	...	...	...	
	F	30	...	...	...	...	...	
13	ez	0 14 (53)	...	...	...	...	...	Solomon Islands.
	L_{NE}	57	...	...	...	...	...	5° S., 152° E.
	L_Z	1 0	...	...	...	...	...	(Manila).
	M	2 11	26	−10	...	...	...	
	F	35	...	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E	A_Z.	Δ	Remarks.
Apr.		h. m. s.	s.	μ	μ	μ	km.	
14	eP_{ZE}	1 42 49	...	...	...	...	2250	Compression.
	i_{ZE}	42 53	...	...	...	...	...	
	iS_{NE}	46 (33)	...	...	...	...	...	In minute break.
	S_Z	46 42	...	...	...	...	...	
	L	48	...	...	...	...	...	Atlantic Ocean.
	M_1	48 23	19	+12	...	...	...	56° N., 34° W.
	M_2	48 56	16	...	+12	...	...	(Stuttgart).
	F	2 20	...	...	...	...	...	
18	eL	12 0	...	...	...	...	...	
	F	15	...	...	...	...	...	
22	e	5 50	...	...	...	...	...	
	F	6 15	...	...	...	...	...	
24	eL	6 45	...	...	...	...	...	Lower California.
	M	59 24	19	+5	...	...	...	26° N., 112° W.
	F	7 15	...	...	...	...	...	(J.S.A.).
26	e	8 39	...	...	...	...	...	Chile.
	eL	44	...	...	...	...	...	25° S., 70° W.
	M	47 17	27	...	−7	...	...	(J.S.A.).
	F	9 10	...	...	...	...	...	
29	e	18 59	...	...	...	...	...	Aleutian Islands.
	eL_{NE}	19 3	...	...	...	...	...	52° N., 177° W.
	eL_Z	10	...	...	...	...	...	(Stuttgart).
	F	40	...	...	...	...	...	
30	eP_Z	1 16 10	...	...	...	...	...	South Atlantic Ocean.
	eL	31	...	...	...	...	...	3° S., 20° W.
	F	55	...	...	...	...	...	(Stuttgart).
May 1	e	2 47 45	...	...	...	...	...	Felt in Southern
	F	53	...	...	...	...	...	France. 42·5° N.,
								6° W. (Strasbourg).
3	e	0 8	...	...	...	...	...	
	eL	21	...	...	...	...	...	
	F	40	...	...	...	...	...	
14	eL	3 55	...	...	...	...	...	
	F	4 5	...	...	...	...	...	
14	eP	13 25 38	...	...	...	...	(12000)	Compression.
	iPR_{1Z}	30 16	...	...	...	...	...	
	iPR_{2Z}	32 53	...	...	...	...	...	Destructive in Celebes.
	$iScPcS_E$	36 6	...	...	...	...	...	1° N., 127° E.
	$iScPcS_N$	36 14	...	...	...	...	...	(Strasbourg).
	$i(S)_E$	37 52	...	...	...	...	...	
	$i(S)_N$	37 58	...	...	...	...	...	
	iPS_{NE}	39 34	...	...	...	...	...	
	iSP_Z	39 40	...	...	...	...	...	
	i_{NE}	41 22	...	...	...	...	...	
	i_E	44 46	...	...	...	...	...	
	iSR_1	46 5	...	...	...	...	...	
	iSR_2	51 17	...	...	...	...	...	
	i_{NE}	53 37	...	...	...	...	...	
	i_Z	53 45	...	...	...	...	...	
	L_Q	58	...	...	...	...	...	
	L_R	14 6	...	...	...	...	...	
	M_1	6–8	(44)	...	(760)	...	...	
	M_2	7 24	36	(−740)	...	...	...	Amplitudes doubtful;
	M_3	13 10	35	(−640)	...	...	...	traces very faint and
	M_4	15 40	17	...	...	(+130)	...	confused by over-
	M_5	16 2	30	(+280)	...	...	...	lapping.
	M_6	22 59	27	...	(350)	...	...	
	M_7	23 11	19	(−280)	...	...	...	
	M_8	23 18	12	...	...	(+110)	...	
	F	17 30	...	...	...	...	...	
18	eL	20 4	...	...	...	...	...	
	F	35	...	...	...	...	...	
21	iP_{EZ}	10 22 3	...	...	...	...	8520	Amplitudes of iP as
	$iPcP_{EZ}$	22 26	...	...	...	...	...	read in mm.:—
	ePR_{1EZ}	25 3	...	...	...	...	...	N. E. Z.
	iS_E	31 49	...	...	...	...	...	0·0 +1·7 +3·0
	eSR_{1E}	37 20	...	...	...	...	...	giving azimuth about
	eSR_{2E}	40 27	...	...	...	...	...	west.
	L_N	43	...	...	...	...	...	
	L_{EZ}	46	...	...	...	...	...	Destructive in Cen-
	M_1	47 34	31	−68	...	...	...	tral America.
	M_2	49 26	26	...	−52	...	...	13° N., 88° W.
	M_3	49 31	24	...	...	−72	...	(U.S.C.G.S.).

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	Δ	Remarks.
May		h. m. s.	s.	μ	μ	μ	km.	
21	M_4	50 15	26	−54	...	...	...	
	M_5	51 58	23	...	...	+56	...	
	M_6	56 49	18	...	−38	...	...	
	M_7	56 55	25	−39	...	...	...	
	F	13 20	...	...	...	...	...	
21	e	16 3	...	...	...	...	...	
	F	40	...	...	...	...	...	
22	eL	1 50	...	...	...	...	...	
	F	2 5	...	...	...	...	...	
22	eP^1_z	11 49 9	...	...	...	...	(16000)	Tonga Islands. 20° S., 174° W. (Manila).
	eP$^1_{2z}$	49 35	...	...	...	...	...	By path of greater deviation.
	L	12 51	...	...	...	...	...	
	F	13 50	...	...	...	...	...	
22	ez	17 9 24	...	...	...	...	...	Felt in Calabria, Italy.
	eL	12	...	...	...	...	...	
	F	30	...	...	...	...	...	
22	eL	23 17	...	...	...	...	...	Central America. 14° N., 88·5° W. (J.S.A.).
	F	30	...	...	...	...	...	
26	eL	5 50	...	...	...	...	...	
	F	6 10	...	...	...	...	...	
26	eP^1	16 28 26	...	...	...	...	(16500)	
	iP$^1_{2z}$	28 35	...	...	...	...	...	By path of greater deviation.
	isP$^1_{2NZ}$	30 50	...	...	...	...	...	South of Fiji Islands.
	iPR$_{1N}$	32 50	...	...	...	...	...	23° S., 180°, with
	iScPcS$_{NE}$	35 27	...	...	...	...	...	with focal depth
	eScPcPcS$_{NE}$	38 45	...	...	...	...	...	about 600 km.
	iSP$_N$	42 25	...	...	...	...	...	(J.S.A.).
	isSP$_N$	45 32	...	...	...	...	...	
	eSR$_1$	50 14	...	...	...	...	...	
	L$_E$	51	...	...	...	...	...	
	L$_N$	55	...	...	...	...	...	
	M_1	57 30	25	...	−59	...	...	
	M_2	17 1 45	28	+115	+54	...	...	
	Lz	3	...	...	...	...	...	
	M_3	5 4	30	+90	...	...	...	
	M_4	12 28	33	...	+155	...	...	
	M_5	17 13	30	+84	...	...	...	
	M_6	32 28	22	...	...	+31	...	
	F	20 15	...	...	...	...	...	
26	e	22 40 39	...	...	...	...	...	
	F	23 5	...	...	...	...	...	
28	ePz	2 34 14	...	...	...	...	(9500)	Pacific Ocean.
	ePR$_1$	37 49	...	...	...	...	...	28°N., 133° E.
	eScPcS$_{NE}$	44 38	...	...	...	...	...	(U.R.S.S.).
	L$_{NE}$	3 3	...	...	...	...	...	
	M_1	7 29	35	...	+22	...	...	
	Lz	10	...	...	...	...	...	
	M_2	10 29	28	+21	...	...	...	
	M_3	13 8	23	...	−40	...	...	
	M_4	20 16	17	...	...	+18	...	
	M_5	20 22	17	+15	...	...	...	
	F	4 10	...	...	...	...	...	
28	e	6 1	...	...	...	...	...	
	F	15	...	...	...	...	...	
31	e	8 54	...	...	...	...	...	
	eL	9 0	...	...	...	...	...	
	F	30	...	...	...	...	...	
June 2	e	20 20	...	...	...	...	...	
	F	35	...	...	...	...	...	
3	ez	0 31 26	...	...	...	...	...	
	eL	1 7	...	...	...	...	...	
	F	25	...	...	...	...	...	
3	eP$_{Ez}$	10 49 17	...	...	...	...	9730	Amplitudes of iPcP
	iP$_{Ez}$	49 24	...	...	...	...	...	as read in mm.:—
	iPcP	49 41	...	...	...	...	...	N. E. Z.
	iPR$_{1E}$	53 4	...	...	...	...	...	−4·3 +10·0 +
	i$_E$	58 45	...	...	...	...	...	giving azimuth about
	iS$_E$	11 0 3	...	...	...	...	...	293.°
	iz	6 31	...	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	Δ	Remarks.
June		h. m. s.	s.	μ	μ	μ	km.	
	eL	11	...	...	...	...	...	Destructive in South-west Mexico.
	M_1	19-38	...	...	>200	...	...	16° N., 104° W.
	M_2	17 22	19	−150	...	...	...	(J.S.A.).
	M_3	21 8	15	−145	...	...	...	Maxima doubtful;
	M_4	23 28	14	−165	...	...	...	traces very faint and
	M_5	25	22	...	...	−670	...	confused by over-
	M_6	32	24	...	...	−790	...	lapping.
	M_7	35	11	...	...	−220	...	
	F	16 20	...	...	...	...	...	
3	e	17 12	...	...	...	...	...	Very small.
	F	25	...	...	...	...	...	
3	ePz	17 52 28	...	...	...	...	9330	Mongolia.
	eS$_{NE}$	18 2 55	...	...	...	...	...	45·9° N., 100·9° E.
	eL	26	...	...	...	...	...	(U.R.S.S.).
	F	19 0	...	...	...	...	...	
3	eL	21 0	...	...	...	...	...	
	F	5	...	...	...	...	...	
4	eL	2 49	...	...	...	...	...	Very small.
	F	3 0	...	...	...	...	...	
4	e	19 49	...	...	...	...	...	
	F	55	...	...	...	...	...	
4	eL	22 21	...	...	...	...	...	
	F	45	...	...	...	...	...	
5	ePz	9 17 11	...	...	...	...	(10700)	
	eScPcS$_{NE}$	27 38	...	...	...	...	...	
	eL	50	...	...	...	...	...	
	F	10 35	...	...	...	...	...	
5	e	14 4	...	...	...	...	...	Very small.
	F	20	...	...	...	...	...	
6	ePz	8 56 8	...	...	...	...	8550	Northern California.
	eS	9 5 56	...	...	...	...	...	42° N., 123° W.
	eL$_{NE}$	18	...	...	...	...	...	(U.S.C.G.S).
	eLz	23	...	...	...	...	...	
	M_1	28 49	20	+20	...	...	...	
	M_2	29 0	18	...	...	+15	...	
	F	10 30	...	...	...	...	...	
6	e	12 28	...	...	...	...	...	
	F	50	...	...	...	...	...	
8	ez	4 53	...	...	...	...	...	
	F	5 0	...	...	...	...	...	
8	e	7 8	...	...	...	...	...	
	F	15	...	...	...	...	...	
8	ez	8 3	...	...	...	...	...	Very small.
	eL	30	...	...	...	...	...	
	F	9 0	...	...	...	...	...	
8	e	11 25	...	...	...	...	...	
	F	12 0	...	...	...	...	...	
8	e	15 53	...	...	...	...	...	
	F	16 10	...	...	...	...	...	
9	ePz	4 48 11	...	...	...	...	(9800)	
	eScPcS$_{NE}$	58 27	...	...	...	...	...	
	eL	5 20	...	...	...	...	...	
	F	45	...	...	...	...	...	
9	eL	7 22	...	...	...	...	...	
	F	40	...	...	...	...	...	
10	e	4 0	...	...	...	...	...	Very small.
	F	5	...	...	...	...	...	
10	ez	20 39	...	...	...	...	...	
	e$_{NZ}$	49 25	...	...	...	...	...	
	eL	21 20	...	...	...	...	...	
	F	50	...	...	...	...	...	
10	eL	22 17	...	...	...	...	...	
	F	25	...	...	...	...	...	

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
June		h. m. s.	s.	μ	μ	μ	km.	
11	ez	8 42 43	...	...	...	...	...	
	eL	9 1	...	...	...	...	...	
	F	40	...	...	...	...	...	
11	ez	17 18	...	...	...	...	...	
	eL	54	...	...	...	...	...	
	F	18 35	...	...	...	...	...	
12	e	23 34	...	...	...	...	...	
	F	50	...	...	...	...	...	
13	ez	21 11	...	...	...	...	...	
	eLNF	44	...	...	...	...	...	
	eLz	51	...	...	...	...	...	
	M_1	57 24	14	...	...	−7	...	
	M_2	57 27	16	...	−8	...	...	
	F	22 35	...	...	...	...	...	
14	iPz	6 12 48	...	...	...	...	10200	Japan. (Strasbourg).
	iPcPz	13 18	...	...	...	...	...	
	iPR$_1$z	16 34	...	...	...	...	...	
	iScPcSNE	23 16	...	...	...	...	...	
	iSNE	23 55	...	...	...	...	...	
	LNE	45	...	...	...	...	...	
	Lz	48	...	...	...	...	...	
	M	57 34	23	+6	...	...	...	
	F	7 30	...	...	...	...	...	
14	e	12 10						
	eL	15	...	...	...	...	...	
	F	45	...	...	...	...	...	
16	iPz	1 31 52	...	...	...	...	9770	Indian Ocean.
	iPcPz	32 11	...	...	...	...	...	1·5° N., 93·5° E.
	iScPcSE	42 18	...	...	...	...	...	(U.R.S.S.).
	eSNE	42 40	...	...	...	...	...	
	LNE	2 9	...	...	...	...	...	
	Lz	17	...	...	...	...	...	
	F	45	...	...	...	...	...	
18	e	1 3	...	...	...	...	...	
	F	10	...	...	...	...	...	
18	e	2 19	...	...	...	...	...	
	F	35	...	...	...	...	...	
18	eP	10 24 34	...	...	...	...	9850	Amplitudes of iPcP
	iPcP	25 0	...	...	...	...	...	as read in mm.:—
	iNZ	25 55	...	...	...	...	...	N. E. Z.
	iPR$_1$	28 21	...	...	...	...	...	−1·7 +6·1 +15
	iSE	35 25	...	...	...	...	...	giving azimuth about
	iPSNZ	35 55	...	...	...	...	...	286°.
	iE	40 25	...	...	...	...	...	Destructive in Mexico.
	iSR$_1$NE	41 49	...	...	...	...	...	19° N., 104° W.
	iSR$_2$E	44 53	...	...	...	...	...	(U.S.C.G.S.).
	L	49	...	...	...	...	...	
	M_1	11 1–3†	(22)†	...	>210	...	...	†Doubtful; trace very faint.
	M_2	1 27	23	...	...	−590	...	
	M_3	1 47	17	−300	...	...	...	
	M_4	3 59	16	...	...	−360	...	
	M_5	4 21	16	−270	...	...	...	
	M_6	6 34	11	...	...	−250	...	
	F	15 15	...	...	...	...	...	
18	e	22 14	....	...	...	...	...	
	F	23 10	...	...	...	...	...	
20	ez	4 7 36	...	...	...	...	...	
	eL	5 3	...	...	...	...	...	
	F	55	...	...	...	...	...	
20	e	6 38	...	...	...	...	...	
	F	7 20	...	...	...	...	...	
20	ePz	9 38 16	...	...	...	...	...	Pacific Ocean off Oregon. 44° N., 126° W. (J.S.A.).
	eL	10 5	...	...	...	...	...	
	F	50	...	...	...	...	...	
20	eL	20 20	...	...	...	...	...	
	F	35	...	...	...	...	...	
21	e	4 57	...	...	...	...	...	
	eL	5 20	...	...	...	...	...	
	F	40	...	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
June		h. m. s.	s.	μ	μ	μ	km.	
21	e	7 57	...	...	...	...	...	Very small.
	F	8 15	...	...	...	...	...	
21/22	e	23 49	...	...	...	...	...	
	F	0 10	...	...	...	...	...	
22	ePNZ	0 48 41	...	...	...	...	...	
	eL	1 20	...	...	...	...	...	
	F	50	...	...	...	...	...	
22	ePz	13 11 56	...	...	...	...	9430	Destructive in Mexico.
	iz	12 31	...	...	...	...	...	19° N., 104° W.
	iz	12 47	...	...	...	...	...	(U.S.C.G.S.).
	iz	13 42	...	...	...	...	...	
	iSE	22 28	...	...	...	...	...	
	SR$_1$E	28 54	...	...	...	...	...	
	iSR$_2$E	32 53	...	...	...	...	...	
	LN	37	...	...	...	...	...	
	LEZ	39	...	...	...	...	...	
	M_1	41 18	35	+35	...	...	...	
	M_2	43 21	33	...	...	−78	...	
	M_3	43 32	29	...	+76	...	...	
	M_4	48 22	21	...	−38	...	...	
	M_5	50 24	16	...	...	+32	...	
	F	16 10	...	...	...	...	...	
23	e	2 32 20	...	...	...	...	...	Very small.
	F	4 20	...	...	...	...	...	
25	e	3 17	...	...	...	...	...	
	F	30	...	...	...	...	...	
25	e	12 30	...	...	...	...	...	
	F	40	...	...	...	...	...	
26	eP	19 31 18	...	...	...	...	8670	Kurile Islands.
	eSE	41 (12)	...	...	...	...	...	48° N., 151° E.
	eL	59	...	...	...	...	...	(J.S.A.).
	F	20 55	...	...	...	...	...	
29	ez	2 33	...	...	...	...	...	Mediterranean Sea.
	e(S)NE	39 59	...	...	...	...	...	35° N., 27° E.
	ez	40 12	...	...	...	...	...	(U.R.S.S.).
	eL	42	...	...	...	...	...	
	M	44 22	15	+6	...	...	...	
	F	3 10	...	...	...	...	...	
29	eEZ	18 43 29	...	...	...	...	...	Japan.
	eN	46 57	...	...	...	...	...	40° N., 142·5° E.
	eL	58	...	...	...	...	...	(U.R.S.S.).
	M	19 3 52	20	...	−6	...	...	
	F	45	...	...	...	...	...	
July 2	e	3 12	...	...	...	...	...	
	F	35	...	...	...	...	...	
2	ez	12 26	...	...	...	...	...	Very small.
	F	30	...	...	...	...	...	
3	e	18 16	...	...	...	...	...	
	F	25	...	...	...	...	...	
5	ez	10 54	...	...	...	...	...	
	F	11 0	...	...	...	...	...	
5	e	11 49	...	...	...	...	...	
	F	12 20	...	...	...	...	...	
7	eP	16 28 10	...	...	...	...	8800	Lower California.
	eSNE	38 10	...	...	...	...	...	28° N., 113·5° W.
	eSR$_1$NE	43 20	...	...	...	...	...	(J.S.A.).
	eSR$_2$NE	46 56	...	...	...	...	...	
	LNE	48	...	...	...	...	...	
	Lz	53	...	...	...	...	...	
	M_1	55 43	25	...	+37	...	...	
	M_2	56 11	25	+65	...	...	...	
	M_3	59 56	19	+69	...	...	...	
	M_4	17 2 6	21	...	+46	...	...	
	M_5	2 32	16	...	...	+34	...	
	M_6	5 52	16	...	...	+36	...	
	F	19 35	...	...	...	...	...	

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	Δ	Remarks.
July		h. m. s.	s.	μ	μ	μ	km.	
8	e	11 26	...	...	...	...	...	
	F	40	...	...	...	...	...	
9	ez	11 45	...	...	...	...	...	
	F	55	...	...	...	...	...	
9	eP^1z	13 15 25	...	...	...	...	(16000)	New Hebrides.
	ePR_1	18 23	...	...	...	...	...	15° S., 167° E.
	$eScPcPcS_{NE}$	25 19	...	...	...	...	...	(Manila).
	eL	14 4	...	...	...	...	...	
	F	15 5	...	...	...	...	...	
10	e	1 16	...	...	...	...	...	
	L_{NE}	21	...	...	...	...	...	
	L_Z	29	...	...	...	...	...	
	F	2 0	...	...	...	...	...	
10	e_{NE}	8 7	...	...	...	...	...	Japan.
	eL_{NE}	25	...	...	...	...	...	39° N., 142° E.
	M_1	32 6	25	...	+11	...	...	(Stuttgart).
	M_2	33 5	23	+5	...	...	...	
	F	9 15	...	...	...	...	...	
11	e	9 15	...	...	...	...	...	Very small.
	F	45	...	...	...	...	...	
12	eP	19 36 23	...	...	...	...	9070	Lower California.
	eS	46 37	...	...	...	...	...	25·6° N., 110·5 W.
	L_{NE}	58	...	...	...	...	...	(J.S.A.).
	L_Z	20 3	...	...	...	...	...	
	M_1	4 9	26	+64	...	...	...	
	M_2	4 31	25	...	+41	...	...	
	M_3	6 39	21	−62	...	...	...	
	M_4	11 49	16	...	...	+53	...	
	M_5	11 54	16	...	−88	...	...	
	F	22 45	...	...	...	...	...	
13	e	4 43	...	...	...	...	...	
	F	5 5	...	...	...	...	...	
13	e	9 25	...	...	...	...	...	
	F	35	...	...	...	...	...	
15	e	16 43	...	...	...	...	...	
	F	17 0	...	...	...	...	...	Very small.
16	e	21 15	...	...	...	...	...	
	F	22 15	...	...	...	...	...	
17	ez	12 10	...	...	...	...	...	
	F	15	...	...	...	...	...	
20	e	5 21	...	...	...	...	...	
	F	45	...	...	...	...	...	
20	eP^1z	20 25 24	...	...	...	...	(17000)	East of Kermadec Islands. 28° S., 170° W.
	ePR_1	29 25	...	...	...	...	...	
	eScPcPcS	35 29	...	...	...	...	...	
	ePR_1	38 31	...	...	...	...	...	By path >180°.
	eScPcSP	39 25	...	...	...	...	...	
	eL	21 25	...	...	...	...	...	
	F	22 0	...	...	...	...	...	
21	ePR_1	13 0 6	...	...	...	...	(13000)	New Guinea.
	L_{NE}	35	...	...	...	...	...	2° S., 140° E.
	L_Z	42	...	...	...	...	...	(Manila).
	M_1	52 48	22	+6	...	...	...	
	M_2	56 14	20	...	...	+7	...	
	F	15 10	...	...	...	...	...	
21	ez	16 46 28	...	...	...	...	...	
	eL	17 24	...	...	...	...	...	
	F	18 45	...	...	...	...	...	
23	e	1 35	...	...	...	...	...	
	F	2 5	...	...	...	...	...	Very small.
24	e	19 29	...	...	...	...	...	
	F	40	...	...	...	...	...	
July 25	eP_Z	8 36 36	...	...	...	...	8570	Japan (Stuttgart).
	eS_{NE}	46 25	...	...	...	...	...	
	e	47 32	...	...	...	...	...	
	F	— — —	...	...	...	...	...	Overlapped by next shock.
25	iP	9 25 17	...	...	...	...	9500	Compression.
	ez	27 58	...	...	...	...	...	
	iS	35 52	...	...	...	...	...	Pacific Ocean off Central America.
	SR_1	42 9	...	...	...	...	...	
	e_N	44 27	...	...	...	...	...	17° N., 104° W.
	e_E	45 21	...	...	...	...	...	(J.S.A.).
	L_{NE}	50	...	...	...	...	...	
	L_Z	55	...	...	...	...	...	
	M_1	10 2 48	17	−45	...	...	...	
	M_2	2 51	17	...	...	+94	...	
	F	12 25	...	...	...	...	...	
27	e	21 39 45	...	...	...	...	...	Banda Sea. 5° S.,
	F	22 50	...	...	...	...	...	130° E. (Stuttgart).
29	e	2 24	...	...	...	...	...	
	F	30	...	...	...	...	...	
29	e	21 17	...	...	...	...	...	Celebes.
	eL	22 5	...	...	...	...	...	1° S., 123° E.
	F	20	...	...	...	...	...	(Manila).
30	ez	12 42 2	...	...	...	...	...	Celebes.
	eL	13 20	...	...	...	...	...	1° S., 118° E.
	F	35	...	...	...	...	...	(U.R.S.S.).
Aug. 1	eL	11 8	...	...	...	...	...	
	F	45	...	...	...	...	...	
2	eP_Z	4 40 5	...	...	...	...	(11800)	Molucca Islands.
	e(PPS)	54 0	...	...	...	...	...	1° N., 125·5° E.
	L_{NE}	5 21	...	...	...	...	...	(U.R.S.S.).
	L_Z	28	...	...	...	...	...	
	F	6 0	...	...	...	...	...	
3	e	11 51	...	...	...	...	...	Felt at Brindisi.
	L	54	...	...	...	...	...	
	F	12 5	...	...	...	...	...	
5	eL_{NE}	1 37	...	...	...	...	...	
	eL_Z	46	...	...	...	...	...	
	F	55	...	...	...	...	...	
5	eL	21 33	...	...	...	...	...	Destructive in the Azores.
	F	50	...	...	...	...	...	
10	e	1 20 32	...	...	...	...	...	
	F	3 10	...	...	...	...	...	
10	e	17 20	...	...	...	...	...	
	F	40	...	...	...	...	...	
12	iP	3 35 46	...	...	...	...	8540	Compression.
	eS	45 33	...	...	...	...	...	
	eL	54	...	...	...	...	...	
	M_1	4 15 9	19	...	...	+21	...	Aleutian region.
	M_2	15 11	19	−15	...	...	...	52° N., 167° W.
	M_3	17 7	17	...	+16	...	...	(J.S.A.).
	F	6 55	...	...	...	...	...	
13	ez	21 16	...	...	...	...	...	No. "N" record.
	eL	22 19	...	...	...	...	...	
	M_1	34 31	22	...	−8	...	...	New Zealand.
	M_2	39 6	19	...	...	−11	...	42·5° S., 173·0° E.
	F	23 45	...	...	...	...	...	(U.R.S.S.).
14	eP_{ZE}	4 50 58	...	...	...	...	8040	Compression.
	i_{ZE}	51 26	...	...	...	...	...	No. "N" record.
	ePR_{1ZE}	53 57	...	...	...	...	...	Eastern Himalayas.
	ePR_{2ZE}	55 50	...	...	...	...	...	27·5° N., 95° E.
	iS_E	5 0 20	...	...	...	...	...	(Strasbourg).
	eL	9	...	...	...	...	...	
	M_1	20 36	31	...	−58	...	...	
	M_2	24 58	17	...	...	−21	...	
	F	8 0	...	...	...	...	...	

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. AN.	AE.	AZ.	Δ	Remarks.
Aug.		h. m. s.	s.	μ	μ	μ	km.	
14	ez	12 46	...	...	...	...	...	
	F	13 35	...	...	...	...	...	
15	ezE	4 39	...	...	...	...	...	
	F	5 0	...	...	...	...	...	
15	e	15 30	...	...	...	...	...	Very small.
	F	50	...	...	...	...	...	
16	e	22 25	...	...	...	...	...	
	F	35	...	...	...	...	...	
17	eL	9 26	...	...	...	...	...	
	F	10 0	...	...	...	...	...	
18	e	20 49	...	...	...	...	...	
	F	21 15	...	...	...	...	...	
19	e	3 53	...	...	...	...	...	Very small.
	F	4 5	...	...	...	...	...	
19	e	18 30	...	...	...	...	...	
	F	50	...	...	...	...	...	
20	e	17 3	...	...	...	...	...	
	F	25	...	...	...	...	...	
21	iPz	4 28 31	...	...	...	...	9350	Compression.
	ePR1	32 2	...	...	...	...	...	
	eSNE	38 59	...	...	...	...	...	Formosa.
	eL	58	...	...	...	...	...	22·5° N., 119° E.
	M1	5 12 20	19	...	+24	...	...	(U.R.S.S.).
	M2	12 46	18	...	...	−21	...	
	M3	12 51	18	−22	...	...	...	
	F	7 5	...	...	...	...	...	
22	ePz	11 24 47	...	...	...	...	(8800)	Yellow Sea.
	eLNE	54	...	...	...	...	...	36·5° N., 123·0° E.
	eLz	58	...	...	...	...	...	(U.R.S.S.).
	M1	12 4 8	16	−14	...	...	...	
	M2	4 19	15	...	...	−16	...	
	F	50	...	...	...	...	...	
24	e	4 23	...	...	...	...	...	Very small.
	F	5 5	...	...	...	...	...	
24	eLNE	12 56	...	...	...	...	...	
	eLz	13 3	...	...	...	...	...	
	F	45	...	...	...	...	...	
25	e	8 40	...	...	...	...	...	Pacific Ocean off Mexico. 18° N., 106° W.
	F	9 25	...	...	...	...	...	(J.S.A.).
28	e	11 40	...	...	...	...	...	Very small.
	F	12 0	...	...	...	...	...	
Sept. 3	e	12 12	...	...	...	...	...	Sea of Japan.
	e(S)NE	21 30	...	...	...	...	...	42°N., 138° E.
	LNE	37	...	...	...	...	...	(Stuttgart).
	Lz	44	...	...	...	...	...	
	M1	44 44	27	...	+16	...	...	
	M2	53 21	19	+15	...	...	...	
	M3	58 1	17	...	...	+14	...	
	F	13 20	...	...	...	...	...	
5	e	3 51	...	...	...	...	...	
	F	4 10	...	...	...	...	...	
5	—	— — —	...	...	...	...	$9^h\ 39^m$ to $15^h\ 9^m$	No records during standardisation, etc.
6	—	— — —	...	...	...	...	$8^h\ 32^m$ to $15^h\ 56^m$	
7	—	— — —	...	...	...	...	$9^h\ 6^m$ to $14^h\ 52^m$	
8	iPzE	1 53 41	...	...	...	...	9270	Pacific Ocean off Mexico.
	eSE	2 4 5	...	...	...	...	...	18° N., 105° W.
	eSR1E	10 10	...	...	...	...	...	(J.S.A.).
	eSR2E	13 36	...	...	...	...	...	
	eLNE	21	...	...	...	...	...	
	eLz	26	...	...	...	...	...	
	M1	31 9	16	...	+12	...	...	
	M2	31 11	16	...	...	+10	...	
	F	3 5	...	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. AN.	AE.	AZ.	Δ	Remarks.
Sept.		h. m. s.	s.	μ	μ	μ	km.	
8	e	7 44	...	...	...	...	...	
	F	8 25	...	...	...	...	...	
9	e	13 58	...	...	...	...	...	Celebes.
	eLNE	14 33	...	...	...	...	...	6° S., 122·5 E.
	eLz	41	...	...	...	...	...	(U.R.S.S.).
	F	16 5	...	...	...	...	...	
11	e	14 38	...	...	...	...	...	Disturbed by wind and microseisms.
	F	15 5	...	...	...	...	...	
12	—	— — —	...	...	...	...	...	$9^h\ 25^m$ to $11^h\ 56^m$ no records.
14	e	9 16	...	...	...	...	...	
	F	30	...	...	...	...	...	
15	e	11 38	...	...	...	...	...	Felt in Mindanao
	eLNE	12 3	...	...	...	...	...	(Manila).
	eLz	9	...	...	...	...	...	6·5° N., 122·0° E.
	F	50	...	...	...	...	...	(U.R.S.S.).
15	e	14 15	...	...	...	...	...	Destructive around Gisborne and Hawke's Bay, New Zealand.
	eLNE	15 9	...	...	...	...	...	
	eLz	14	...	...	...	...	...	
	M1	30 27	24	+31	...	...	...	
	M2	38 42	19	...	...	−30	...	41·5° S., 176° W.
	M3	47 30	18	...	+20	...	...	(U.R.S.S.).
	F	16 55	...	...	...	...	...	
18	e	14 47	...	...	...	...	...	Very small.
	F	55	...	...	...	...	...	
23	iP	14 33 39	...	...	...	...	8600*	Compression. Focus
	epPz	34 49	...	...	...	...	...	about 250 km. below
	iS	43 5	...	...	...	...	...	normal. Sea of Japan.
	iSPNE	43 29	...	...	...	...	...	42·9°N., 138°E. (J.S.A.)
	eNE	54 1	...	...	...	...	...	*Distance & focal depth
	L	— — —	...	...	...	...	...	from diagrams by
	F	16 15	...	...	...	...	...	F. J. Scrase. L waves poorly developed.
25	e	23 1	...	...	...	...	...	
	F	20	...	...	...	...	...	Amplitudes in mm.:— N. E. Z.
26	eP	19 25 18	...	...	...	...	2270	− 1·0 + 2·2 −2·2
	iP	25 22	...	...	...	...	...	+ 7·3 −14·3 +9
	i	25 38	...	...	...	...	...	+15·8 −33·2 —
	iS	29 4	...	...	...	...	...	
	i	29 23	...	...	...	...	...	Azimuth = 114° ± 2°,
	LE	30 42	...	...	...	...	...	giving epicentre
	Lz	30 56	...	...	...	...	...	near 40° N., 24° E.
	LN	31 10	...	...	...	...	...	
	M1	32 15	18	...	>210	...	...	Destructive in Chalcidice Peninsula,
	M2	34 3	20	+210	...	...	...	Greece.
	M3	34 9	15	...	...	+280	...	
	M4	34 12	15	...	>200	...	...	
	M5	36 23	13	...	...	−220	...	
	M6	36 26	16	+150	...	...	...	
	F	— — —	...	...	...	...	...	Overlapped by next shock.
26	iP	21 31 32	...	...	...	...	2250	Repetition of preceding shock.
	eSNE	35 16	...	...	...	...	...	
	eSz	35 24	...	...	...	...	...	
	L	37·6	...	...	...	...	...	
	M	38 31	13	...	−26	...	...	
	F	23 10	...	...	...	...	...	
27/28	—	20^h to 8^h	...	...	...	...	...	Numerous small disturbances, probably further repetitions.
28	eP	16 56 42	...	...	...	...	2200	Repetition from the Greek epicentres.
	eS	17 0 22	...	...	...	...	...	
	eL	2	...	...	...	...	...	
	M1	3 25	13	+23	...	...	...	
	M2	4 34	9	...	+10	...	...	
	F	45	...	...	...	...	...	
								Amplitudes in mm.:— N. E. Z.
29	eP	4 1 52	...	...	...	...	2200	−0·5 +0·9 −1
	iP	1 55	...	...	...	...	...	+2·2 −3·9 +5
	i	1 59	...	...	...	...	...	−4·2 +6·9 −12
	iS	5 32	...	...	...	...	...	
	eL	6	...	...	...	...	...	
	M1	8 30	14	...	−125	...	...	

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory). Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	Δ	Remarks.
Sept.		h. m. s.	s.	μ	μ	μ	km.	
29	M_2	9 3	12	−40	...	...	...	Azimuth = 118° ± 2°,
	M_3	9 50	8	...	...	+42	...	giving epicentre near
	F	5 30	...	...	...	...	...	40° N., 23° E.
								Felt in Salonica.
29	e	7 2	...	...	...	...	...	
	F	15	...	...	...	...	...	
29	e	12 12	...	...	...	...	...	
	F	35	...	...	...	...	...	
29	e	14 34	...	...	...	...	...	
	F	50	...	...	...	...	...	
29	eP	17 58 40	...	...	...	...	8830	Kurile Islands.
	eS$_{NE}$	18 8 42	...	...	...	...	...	47° N., 154° E.
	eL$_{NE}$	22	...	...	...	...	...	(J.S.A.).
	eL$_Z$	31	...	...	...	...	...	
	M_1	29 25	27	...	+9	...	...	
	M_2	39 42	20	...	...	+7	...	
	M_3	40 5	18	+7	...	...	...	
	F	19 55	...	...	...	...	...	
29	e	21 55	...	...	...	...	...	
	F	58	...	...	...	...	...	
30	e	6 21 15	...	...	...	...	...	
	eL	24	...	...	...	...	...	Further repetitions
	F	35	...	...	...	...	...	from the Greek
								epicentres.
30	e	7 41	...	...	...	...	...	
	F	44	...	...	...	...	...	
30	e	7 48	...	...	...	...	...	
	F	51	...	...	...	...	...	
Oct. 1	e	13 47	...	...	...	...	...	
	F	50	...	...	...	...	...	
2	eP$_{ZE}$	3 11 12	...	...	...	...	9310	Pacific Ocean off
	ePR$_1$$_{ZE}$	14 (0)	...	...	...	...	...	Central America.
	eS$_E$	21 38	...	...	...	...	...	10·9° N., 86·5° W.
	iPS$_E$	22 4	...	...	...	...	...	(J.S.A.).
	iPPS$_E$	22 22	...	...	...	...	...	
	eSR$_1$	26 16	...	...	...	...	...	
	eSR$_2$$_{NE}$	29 56	...	...	...	...	...	Long waves on "Z"
	eL	32	...	...	...	...	...	and "E" very regu-
	M_1	40 55	21	−37	...	...	...	lar from 3^h 41^m to
	M_2	43 3	19	...	−88	...	...	47^m.
	M_3	43 9	17	...	...	−77	...	
	F	5 20	...	...	...	...	...	
9	e	6 35	...	...	...	...	...	Repetition, Greece.
	F	45	...	...	...	...	...	
9	eL$_{NE}$	13 33	...	...	...	...	...	
	M	38 29	25	−6	+5	...	...	
	eL$_Z$	40	...	...	...	...	...	
	F	14 0	...	...	...	...	...	
11	e	19 45	...	...	...	...	...	Gulf of California.
	F	20 5	...	...	...	...	...	25° N., 110·5° W.
								(J.S.A.).
12	e	3 10	...	...	...	...	...	
	F	20	...	...	...	...	...	
12	e	20 30	...	...	...	...	...	Very small.
	F	35	...	...	...	...	...	
15	e	22 32	...	...	...	...	...	Repetition, Greece
	F	38	...	...	...	...	...	
16	iP$_{ZN}$	12 19 31	...	—	...	+	8150	Compression.
	iS$_E$	28 58	...	...	...	...	...	
	i$_E$	29 12	...	...	...	...	...	Azimuth about North.
	i$_E$	29 52	...	...	...	...	...	
	eSR$_1$$_N$	33	...	...	...	...	...	Alaska.
	eSR$_2$$_{NE}$	37	...	...	...	...	...	54° N., 158° W.
	eL	43	...	...	...	...	...	(U.S.C.G.S.).
	M_1	46 43	28	...	−28	...	...	
	M_2	51 16	22	+38	...	...	...	
	M_3	51 32	22	...	...	+25	...	
	M_4	52 15	19	...	+28	...	...	
	eL$_2$	14 44	...	...	...	...	...	Via Antipodes.
	F	15 0	...	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	Δ	Remarks.
Oct.		h. m. s.	s.	μ	μ	μ	km.	
17	e	14 37	...	...	...	...	...	
	F	15 10	...	...	...	...	...	
23	e$_Z$	13 45	...	...	...	...	...	
	eL	51	...	...	...	...	...	
	F	14 10	...	...	...	...	...	
23	eL$_{NE}$	22 10	...	...	...	...	...	
	eL$_Z$	17	...	...	...	...	...	
	M_1	24 27	19	...	+9	...	...	
	M_2	24 58	16	−9	...	...	...	
	M_3	26 10	16	...	...	−11	...	
	F	45	...	...	...	...	...	
29	ePR$_1$$_Z$	11 19 (45)	...	...	...	...	...	
	eS$_{NE}$	25 4	...	...	...	...	...	
	e(SR$_1$)$_{NE}$	28 44	...	...	...	...	...	
	L$_{NE}$	34	...	...	...	...	...	
	L$_Z$	38	...	...	...	...	...	
	M_1	38 1	20	−16	...	...	...	
	M_2	41 43	15	...	+16	...	...	
	M_3	41 45	15	...	...	−16	...	
	F	12 10	...	...	...	...	...	
30	iP$_Z$	20 58 26	...	...	...	...	8130	Compression.
	ePR$_2$	21 3 4	...	...	...	...	...	
	eS$_E$	7 52	...	...	...	...	...	Alaska Region.
	eL	22	...	...	...	...	...	54° N., 155° W.
	M	25 40	28	...	−17	...	...	(J.S.A.).
	F	22 15	...	...	...	...	...	
Nov. 1†	eP$_{NE}$	16 24 6	...	...	...	...	2100	Destructive in Greece.
	eS$_{NE}$	27 38	...	...	...	...	...	
	L$_{NE}$	29 (47)	...	...	...	...	...	
	M	31 0	12	+15	...	...	...	
	F	50	...	...	...	...	...	
2†	e(PS)$_E$	11 33 51	...	...	...	...	...	Disturbed by wind.
	e(SR$_1$)$_{NE}$	39 44	...	...	...	...	...	Pacific Ocean,
	eL	54	...	...	...	...	...	23° S., 111° W.
	F	12 40	...	...	...	...	...	(J.S.A.).
3†	eL$_{NE}$	20 33	...	...	...	...	...	†No. "Z" record,
	F	21 5	...	...	...	...	...	Nov. 1^d to 11^d.
6†	e$_{NE}$	17 12	...	...	...	...	...	
	F	20	...	...	...	...	...	
9†	e$_{NE}$	19 10	...	...	...	...	...	
	F	25	...	...	...	...	...	
13	iP	4 58 24	...	...	...	...	8600*	Dilatation. Focus
	ipP	59 37	...	...	...	...	...	about 250 km. below
	esP$_{ZN}$	5 0 11	...	...	...	...	...	normal.
	iPR$_1$$_Z$	1 28	...	...	...	...	...	Sea of Japan.
	iS	7 50	...	...	...	...	...	43·4° N., 137° E.
	i$_E$	8 6	...	...	...	...	...	(J.S.A.)
	i$_{ZE}$	8 26	...	...	...	...	...	*Distance and focal
	i$_{NE}$	9 21	...	...	...	...	...	depth from diagrams
	eSR$_1$$_N$	12 50	...	...	...	...	...	by F. J. Scrase.
	e$_E$	18 12	...	...	...	...	...	
	e$_{ZN}$	18 32	...	...	...	...	...	L waves poorly de-
	e$_E$	18 52	...	...	...	...	...	veloped.
	e$_N$	22 36	...	...	...	...	...	
	e$_N$	26 18	...	...	...	...	...	
	e$_E$	29	...	...	...	...	...	
	F	4 30	...	...	...	...	...	
13	e	16 50	...	...	...	...	...	
	F	17 30	...	...	...	...	...	
17	iP$_{ZE}$	6 15 25	...	...	...	...	9150	Pacific Ocean off
	eS	25 43	...	...	...	...	...	Mexico.
	eL$_{NE}$	45	...	...	...	...	...	18° N., 104° W.
	eL$_Z$	48	...	...	...	...	...	(J.S.A.).
	M_1	52 55	16	...	+13	...	...	
	M_2	53 2	17	+6	...	...	...	
	M_3	53 7	16	...	...	−11	...	
	F	7 30	...	...	...	...	...	

Galitzin Seismographs, three components.

546. Richmond (Kew Observatory) Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres. **1932.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E	Amplitudes. A_Z.	△	Remarks.
Nov.		h. m. s.	s.	μ	μ	μ	km.	
20	ePze	23 37 56	...	...	...	...	550	Felt in Western Germany and the Netherlands.
	eP*	38 12	...	...	...	...	...	
	eze	38 44	...	...	...	...	...	
	S	38 57	...	...	...	...	...	
	en	39 2	...	...	...	...	...	
	eS*ne	39 14	...	...	...	...	...	
	ee	39 20	...	...	...	...	...	
	en	39 26	...	...	...	...	...	
	ene	39 35	...	...	...	...	...	
	F	41	...	...	...	...	...	
23	e	3 10 6	...	...	...	...	...	Very small; repetition of $20^d\ 23^h$.
	F	10·6	...	...	...	...	...	
23	e	4 22 14	...	...	...	...	...	
	F	22·5	...	...	...	...	...	
26	ePz	4 36 37	...	...	...	...	8330	Disturbed by wind and microseisms.
	eSne	46 13	...	...	...	...	...	
	eL	5 4	...	...	...	...	...	Sea of Japan.
	M	7 45	28	...	+23	...	...	41°N., 135° E.
	F	45	...	...	...	...	...	(J.S.A.).
28	e	5 43 30	...	...	...	...	...	Very small; repetition of $20^d\ 23^h$.
	e	43 47	...	...	...	...	...	
	e	44 7	...	...	...	...	...	
	F	44·3	...	...	...	...	...	
29	e	3 6	...	...	...	...	...	
	F	20	...	...	...	...	...	
29	eL	7 17	...	...	...	...	...	
	F	30	...	...	...	...	...	
29	e	8 44	...	...	...	...	...	
	F	55	...	...	...	...	...	
29	eScPcSne	11 35 32	...	...	...	...	(11000)	Confused by microseisms.
	eScPcPcSne	36 6	...	...	...	...	...	
	eSR_1ne	44 9	...	...	...	...	...	
	ez	46 52	...	...	...	...	...	Argentina.
	Lne	58	...	...	...	...	...	28° S., 68° W.
	Lz	12 5	...	...	...	...	...	(J.S.A.).
	M_1	6 57	23	...	−20	...	...	
	M_2	7 13	23	...	...	+25	...	
	M_3	9 39	21	+17	...	...	...	
	F	50	...	...	...	...	...	
Dec. 4	eSne	4 15 16	...	...	...	...	...	Atlantic Ocean, west of Azores.
	eL	17	...	...	...	...	...	
	M_1	17 55	20	+42	...	...	...	38° N., 35° W.
	M_2	20 0	13	...	+31	...	...	(J.S.A.).
	M_3	20 4	12	...	...	+18	...	
	F	5 15	...	...	...	...	...	
4	ePze	8 25 32	...	...	...	...	11750	Sea of Celebes.
	ePR_1	30 5	...	...	...	...	...	2°N., 122° E.
	eSn	37 43	...	...	...	...	...	(Strasbourg).
	eSPz	38 46	...	...	...	...	...	
	iPPSne	39 26	...	...	...	...	...	
	iz	40 43	...	...	...	...	...	
	eSR_1	44 44	...	...	...	...	...	
	ene	46 3	...	...	...	...	...	
	eSR_2	49 34	...	...	...	...	...	
	ene	55 15	...	...	...	...	...	
	Lne	57	...	...	...	...	...	
	Lz	9 3	...	...	...	...	...	
	M_1	11 8	27	+57	...	...	...	
	M_2	11 26	28	...	−79	...	...	
	M_3	16 18	23	+56	...	...	...	
	M_4	16 45	25	...	...	+75	...	
	M_5	17 17	24	...	+57	...	...	
	M_6	20 35	20	+54	...	...	...	
	M_7	21 26	19	...	...	+54	...	
	M_8	22 31	20	+74	...	...	...	
	M_9	24 4	19	...	+45	...	...	
	F	— — —	...	...	...	...	...	Overlapped by next shock.
4	eLne	11 27	...	...	...	...	...	
	eLz	33	...	...	...	...	...	
	M	42 53	21	+10	...	...	...	
	F	12 5	...	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
Dec.		h. m. s.	s.	μ	μ	μ	km.	
7	iPzn	16 34 43	...	...	...	...	9370	**Pacific Ocean off Mexico.**
	iSne	45 12	...	...	...	...	...	**18° N., 103° W.**
	eSR_1ne	51 28	...	...	...	...	...	**(J.S.A.).**
	eSR_2ne	54 16	...	...	...	...	...	
	Lne	17 2	...	...	...	...	...	
	Lz	4	...	...	...	...	...	
	M_1	12 12	16	...	+90	...	...	
	M_2	12 19	17	+36	...	...	...	
	M_3	12 23	17	...	...	+85	...	
	F	18 10	...	...	...	...	...	
9	eL	9 21	...	...	...	...	...	
	F	35	...	...	...	...	...	
15	eL	20 20	...	...	...	...	...	**Confused by microseisms.**
	F	50	...	...	...	...	...	
19	e	7 6	...	...	...	...	...	
	F	40	...	...	...	...	...	
21	iPz	6 21 50	...	...	...	...	8540	**Compression.**
	iz	22 43	...	...	...	...	...	
	iSne	31 37	...	...	...	...	...	**Nevada, U.S.A.**
	SR_1	36 31	...	...	...	...	...	**38·1° N., 118·5° W.**
	SR_2	39 14	...	...	...	...	...	**(J.S.A.).**
	Lne	41	...	...	...	...	...	
	Lz	45	...	...	...	...	...	
	M_1	48 30	29	...	+165	...	...	
	M_2	48 49	27	+145	...	...	...	
	M_3	48 55	31	...	...	−240	...	
	M_4	52 3	20	...	+135	...	...	
	M_5	52 43	19	...	...	+170	...	
	M_6	52 58	21	−195	...	...	...	
	M_7	54 31	20	...	+98	...	...	
	M_8	56 50	19	−90	...	...	...	
	M_9	58 54	17	...	+77	...	...	
	M_{10}	7 1 47	15	...	...	+92	...	
	F	9 25	...	...	...	...	...	
24	ee	7 9	...	...	...	...	...	**Confused by microseisms**
	eLne	27	...	...	...	...	...	
	eLz	34	...	...	...	...	...	
	M_1	30 6	37	+15	−27	...	...	
	M_2	37 45	25	...	+20	...	...	
	M_3	43 48	21	+19	...	...	...	
	F	8 45	...	...	...	...	...	**Amplitudes in mm.:— N. E. Z.**
25	iP	2 15 4	...	...	...	...	7320	**−2·4 −3·4 + 5·5**
	i	15 9	...	...	...	...	...	**+5·4 +7·6 −26·2**
	i	15 14	...	...	...	...	...	**giving azimuth about 57°. Epicentre near**
	iPcPzn	15 53	...	...	...	...	...	**39° N., 99° E.**
	ie	16 2	...	...	...	...	...	**(Kan Su, China).**
	iPR_1	17 28	...	...	...	...	...	
	iPR_2	18 54	...	...	...	...	...	
	iSne	23 49	...	...	...	...	...	
	iz	23 58	...	...	...	...	...	
	ine	24 45	...	...	...	...	...	
	ine	24 52	...	...	...	...	...	
	ine	26 52	...	...	...	...	...	
	iSR_1ne	28 14	...	...	...	...	...	
	ie	30 24	...	...	...	...	...	
	in	30 31	...	...	...	...	...	
	iz	30 39	...	...	...	...	...	
	eLne	2 34	...	...	...	...	...	
	eLz	39	...	...	...	...	...	
	M_1	44	(22)	...	>330†	...	...	**†Off lower edge of chart.**
	M_2	46 55	14	...	...	−220	...	
	M_3	48 37	18	...	−195	...	...	**Maxima doubtful; traces faint and confused by overlapping.**
	M_4	49 17	14	−230	...	...	...	
	M_5	49 28	14	...	...	−260	...	
	M_6	52 10	18	+210	...	...	...	
	M_7	57 15	17	...	−220	...	...	
	F	6 30	...	...	...	...	...	
26	e	19 16	...	...	...	...	...	
	F	25	...	...	...	...	...	
26	ene	21 39 15	...	...	...	...	...	
	F	22 20	...	...	...	...	...	
31	e(S)ne	6 54 13	...	...	...	...	...	**Confused by microseisms.**
	eLne	7 9	...	...	...	...	...	**Widely felt in South Africa.**
	eLz	15	...	...	...	...	...	
	M_1	20 16	20	+36	...	...	...	
	M_2	20 30	16	...	+39	...	...	
	F	50	...	...	...	...	...	

Derived from readings for the period of thirty minutes centring at the exact hours, Greenwich Mean Time.

547. Richmond (Kew Observatory). 1932.

January.

Hour G.M.T.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
Day.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·6	5·6	1·7	5·6	2·0	6·5	2·2	5·6
2	2·0	6·3	2·1	6·0	2·2	5·4	2·1	5·8
3	2·2	5·8	3·0	5·8	3·8	6·3	4·1	6·0
4	2·4	6·0	2·1	5·8	1·5	5·6	2·0	5·4
5	2·1	6·0	1·6	5·4	1·9	6·0	1·5	5·6
6	1·4	6·3	2·0	5·4	3·1	6·5	3·5	6·5
7	4·9	6·5	3·9	6·5	4·9	6·7	3·1	6·5
8	2·5	5·8	2·1	6·0	1·7	5·8	1·5	5·6
9	1·2	6·0	1·3	5·8	1·2	5·2	1·9	5·2
10	2·3	5·6	3·9	6·0	3·9	6·0	4·8	6·0
11	5·8	6·0	3·7	6·0	3·1	6·0	2·1	6·0
12	2·1	6·0	2·1	6·0	1·7	5·8	1·7	5·8
13	2·2	6·0	2·2	6·0	3·9	6·5	3·3	7·5
14	3·5	7·5	3·6	6·7	5·0	8·3	5·3	8·0
15	4·2	8·0	5·0	7·7	4·1	8·0	5·2	8·3
16	3·4	8·0	3·5	7·7	2·8	6·7	3·3	7·0
17	2·9	6·0	2·5	6·5	2·5	6·5	2·0	6·5
18	3·2	6·3	3·3	7·0	3·5	7·0	3·3	7·5
19	3·2	7·3	2·4	7·0	1·9	6·7	1·8	6·5
20	1·8	6·5	1·6	6·5	1·3	7·0	1·0	6·3
21	1·5	6·7	1·7	6·7	2·2	7·0	2·2	7·0
22	1·9	7·0	1·7	7·0	1·9	6·7	1·4	6·5
23	1·0	6·5	1·0	6·5	1·4	6·3	2·0	6·5
24	1·4	6·3	1·4	6·4	1·8	6·5	1·8	6·5
25	1·9	6·7	1·9	6·7	1·9	7·0	1·8	6·3
26	2·0	6·5	1·8	6·3	1·0	6·3	1·4	6·0
27	1·4	6·5	2·0	6·5	0·8	6·0	1·6	6·5
28	1·4	6·5	1·6	6·3	1·7	7·0	2·0	6·3
29	1·9	6·7	1·9	6·7	2·7	6·7	1·8	7·3
30	1·9	6·7	1·9	7·0	1·8	7·3	1·4	6·5
31	0·4	6·0	0·4	6·0	0·2	6·5	0·2	5·6
Mean.	2·3	6·5	2·3	6·4	2·4	6·5	2·4	6·4
Mean for Day.	A = 2·3 μ; Tp = 6·5 s							

February.

Hour G.M.T.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
Day.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·2	6·5	0·4	5·8	1·2	6·0	0·9	7·0
2	0·8	6·0	0·8	6·5	0·8	6·5	0·4	6·5
3	1·1	5·8	0·4	5·8	0·8	6·0	0·6	6·3
4	0·4	6·0	0·8	6·5	0·9	7·0	0·6	6·7
5	0·6	6·5	0·6	6·5	0·4	6·0	0·8	6·5
6	0·8	5·8	1·9	7·0	0·9	7·5	1·2	6·5
7	1·6	6·5	0·8	6·0	0·9	7·0	0·8	6·0
8	0·4	6·0	0·4	6·0	0·4	6·5	0·6	6·3
9	0·2	6·0	0·2	6·0	0·2	4·7	0·3	4·5
10	0·3	4·1	0·3	4·3	0·3	4·0	0·5	4·8
11	1·2	6·0	1·3	6·7	1·4	6·0	0·4	5·8
12	0·6	6·0	0·4	6·5	0·6	6·5	0·4	6·5
13	0·2	6·5	0·2	5·4	0·2	6·5	0·2	5·8
14	0·2	5·0	0·2	5·6	0·2	4·7	0·2	4·7
15	0·2	4·8	0·2	5·2	0·5	4·7	0·5	5·2
16	0·5	4·8	0·2	5·0	0·2	5·8	0·2	7·3
17	0·2	5·0	0·7	5·0	0·6	5·8	0·4	6·0
18	0·4	5·6	1·1	5·8	0·6	5·8	0·6	6·0
19	0·6	6·0	0·5	5·0	0·2	5·4	0·3	4·5
20	0·2	5·8	0·4	5·6	0·3	4·5	0·2	5·8
21	0·2	5·0	0·4	6·7	0·5	5·0	0·4	5·6
22	0·8	6·3	0·2	6·0	0·3	4·0	0·2	5·6
23	0·2	5·2	0·2	6·0	0·2	5·6	0·2	6·0
24	0·2	5·4	0·2	6·0	0·4	6·5	0·4	6·3
25	0·4	6·3	0·6	6·0	0·4	7·5	0·4	6·7
26	0·2	6·0	0·4	7·5	1·3	8·3	1·2	7·7
27	1·3	7·3	0·6	6·7	0·9	6·7	0·4	6·7
28	0·2	5·2	0·9	5·2	0·3	4·0	0·5	5·2
29	0·5	5·0	1·8	5·8	2·2	5·4	1·8	5·4
Mean.	0·5	5·7	0·6	5·9	0·6	5·9	0·5	6·0
Mean for Day.	A = 0·5μ; Tp = 5·9 s.							

March.

Hour G.M.T.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
Day.	μ	s.	μ	s.	μ	s.	μ	s.
1	2·0	6·5	2·2	6·3	2·1	6·0	2·3	5·2
2	1·7	5·8	1·6	5·2	0·7	5·4	0·5	4·8
3	0·6	4·0	0·3	4·0	...	...	0·0	---
4	0·3	4·3	0·3	4·0	0·0	---	0·2	5·6
5	0·4	6·0	2·0	7·3	4·0	7·7	5·1	8·0
6	4·7	8·0	4·0	7·5	3·7	7·0	3·8	6·7
7	1·9	6·7	2·0	6·3	2·0	6·5	1·6	6·3
8	1·7	6·0	0·5	5·2	0·3	3·7	0·3	3·5
9	0·3	3·7	0·5	5·0	0·3	4·3	1·0	4·7
10	0·3	4·3	0·3	3·9	0·2	4·7	0·2	5·0
11	0·3	4·3	0·3	3·7	0·0	---	0·3	4·0
12	0·9	7·0	1·3	7·0	1·9	7·0	1·9	7·0
13	2·0	6·3	1·9	7·0	1·9	6·7	1·9	6·7
14	1·8	7·3	1·8	6·5	0·8	6·0	0·5	4·7
15	0·5	5·2	...	...	0·3	4·3	0·5	4·3
16	0·6	4·0	0·3	4·0	0·3	3·9	0·0	---
17	0·2	4·8	0·3	4·5	0·0	---	0·3	4·5
18	0·2	4·7	...	...	0·0	---	0·0	---
19	0·0	---	0·2	5·2	...	...	0·2	6·0
20	...	...	0·2	5·2	0·2	6·0	0·2	6·0
21	0·6	6·3	1·2	6·5	1·8	6·5	1·6	7·3
22	1·4	7·5	1·9	7·0	1·8	7·3	1·9	7·0
23	1·6	6·5	1·4	6·5	0·4	6·0	0·4	6·0
24	0·2	6·0	0·0	---	0·0	---	0·0	---
25	0·3	4·0	0·2	4·7	0·5	4·3	1·2	4·7
26	1·6	4·3	1·8	8·3	4·3	8·3	3·3	9·0
27	4·3	8·7	3·3	7·7	3·5	7·5	3·7	7·5
28	3·3	7·5	3·4	7·3	2·5	7·3	1·8	7·5
29	3·3	7·0	1·8	7·3	2·3	6·7	2·0	6·5
30	2·0	6·7	1·9	7·0	1·5	5·8	2·0	6·3
31	2·3	6·0	3·6	5·2	2·1	5·8	2·1	6·0
Mean.	1·4	5·8	1·4	5·9	1·4	6·0	1·3	6·0
Mean for Day.	A = 1·4μ; Tp = 5·9 s.							

April.

Hour G.M.T.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
Day.	μ	s.	μ	s.	μ	s.	μ	s.
1	2·0	6·5	1·8	6·5	1·7	6·0	1·4	6·0
2	1·9	6·0	1·8	5·4	1·9	6·0	1·9	6·7
3	2·0	6·5	2·0	6·5	1·6	6·3	2·1	6·0
4	1·9	6·0	2·1	6·0	1·2	6·0	1·4	6·0
5	0·6	6·3	0·5	5·0	0·2	5·0	0·2	5·0
6	1·1	7·5	1·0	6·3	0·6	5·6	1·8	6·3
7	1·9	6·7	2·5	6·7	2·1	6·7	2·2	6·3
8	3·2	6·3	2·1	6·0	2·4	4·8	1·1	5·2
9	2·2	5·6	2·2	5·6	3·7	7·0	3·5	6·0
10	3·3	7·0	3·1	7·5	2·3	6·7	2·0	6·3
11	2·1	6·0	2·1	6·0	1·9	5·8	2·1	6·0
12	1·4	5·0	1·9	5·6	1·6	6·5	1·1	5·2
13	0·7	5·2	0·9	5·6	1·8	5·4	1·1	5·6
14	1·6	5·2	1·8	5·4	1·7	5·6	2·3	8·3
15	3·0	8·0	2·3	6·7	1·6	7·7	1·8	7·5
16	2·4	8·0	1·5	7·0	0·9	3·6	0·6	4·0
17	0·6	4·0	0·3	4·3	0·3	4·1	0·2	5·0
18	0·0	---	0·0	---	...	...	0·0	---
19	0·0	---	0·0	---	0·2	5·4	0·2	5·0
20	0·5	4·8	0·4	5·4	0·4	5·4	0·6	5·6
21	1·0	6·0	1·8	6·5	1·3	6·7	1·4	7·5
22	0·8	6·7	1·1	7·3	0·2	6·3	0·4	6·5
23	0·4	6·5	0·9	5·6	0·4	6·0	0·5	5·2
24	0·4	6·0	0·4	5·4	0·2	4·7	0·4	5·6
25	0·4	5·4	1·3	7·0	1·6	7·3	1·7	6·0
26	1·3	7·0	1·4	7·3	0·8	6·0	0·4	6·5
27	0·4	5·6	0·2	5·0	1·1	5·6	0·2	6·0
28	0·7	5·2	0·5	5·0	0·4	5·4	0·5	4·7
29	0·4	5·6	0·6	5·8	0·4	5·4	0·4	6·0
30	0·4	6·3	0·5	5·0	0·2	5·2	0·3	4·5
31								
Mean.	1·3	6·1	1·3	6·0	1·2	5·8	1·1	5·9
Mean for Day.	A = 1·2μ; Tp = 6·0 s.							

May.

Hour G.M.T.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
Day.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·2	5·4	0·2	4·7	0·3	3·9	0·2	4·7
2	0·2	4·7	0·3	4·5	0·0	---	0·3	3·2
3	0·3	3·2	0·3	3·2	0·0	---	0·0	---
4	0·3	3·6	0·3	3·5	...	...	0·3	4·1
5	0·3	3·7	0·3	4·3	0·3	4·7	0·3	4·3
6	0·3	4·3	0·3	4·7	0·3	4·8	0·3	4·1
7	0·3	3·7	0·0	---	0·0	---	0·0	---
8	0·0	---	0·0	---	0·2	5·6	0·2	5·0
9	0·2	5·0	0·2	5·4	0·3	4·0	0·3	4·3
10	0·3	3·6	0·3	3·3	0·3	3·3	0·3	4·5
11	0·3	4·5	0·3	4·3	0·2	5·0	0·7	6·0
12	0·5	5·6	0·2	5·2	0·8	4·5	1·2	6·5
13	1·1	5·2	1·2	6·3	1·5	6·7	1·0	6·0
14	1·0	6·5	1·0	6·0	0·6	5·8	0·7	5·4
15	0·4	5·6	1·0	6·0	0·5	5·2	0·5	5·0
16	0·2	5·0	0·5	4·5	0·3	4·3	0·3	4·0
17	0·3	3·7	0·3	4·0	0·3	3·7	0·3	4·5
18	0·3	4·0	0·3	4·5	0·3	4·3	0·3	4·3
19	0·2	4·7	0·4	6·5	0·8	6·7	0·7	7·0
20	0·6	6·0	0·4	5·6	0·3	4·5	...	...
21	0·2	5·0	0·0	---	...	...	0·0	---
22	0·2	5·0	0·0	---	0·4	3·0	0·3	3·6
23	0·3	4·3	0·3	3·6	0·3	3·6	0·5	5·0
24	1·1	5·6	0·7	5·4	0·2	5·0	0·3	3·5
25	0·2	5·0	0·2	4·8	0·3	4·0	0·3	4·7
26	0·2	4·7	0·3	4·3	0·3	4·3	...	...
27	0·0	---	0·3	4·3	0·0	---	0·0	---
28	0·0	---	0·0	---	0·0	---	0·0	---
29	0·0	---	0·0	---	0·0	---	0·0	---
30	0·0	---	0·0	---	0·0	---	0·3	4·3
31	0·3	4·0	0·3	4·0	0·5	4·5	0·5	4·8
Mean.	0·3	4·7	0·3	4·7	0·3	4·6	0·3	4·7
Mean for Day.	A = 0·3μ; Tp = 4·7 s.							

June.

Hour G.M.T.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A	12h. Tp.	18h. A	18h. Tp.
Day.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·6	4·0	0·5	4·7	0·3	4·3	0·3	3·5
2	0·0	---	0·0	---	0·0	---	0·0	---
3	0·0	---	0·0	---	...	...	0·0	---
4	0·2	4·7	0·2	5·8	0·2	6·0	0·2	5·0
5	0·2	5·2	0·0	---	0·0	---	0·0	---
6	0·0	---	0·0	---	0·0	---	0·0	---
7	0·0	---	0·0	---	0·0	---	0·0	---
8	0·0	---	0·0	---	0·0	---	0·0	---
9	0·0	---	0·0	---	0·0	---	0·0	---
10	0·0	---	0·0	---	0·0	---	0·0	---
11	0·0	---	0·0	---	0·0	---	0·0	---
12	0·0	---	0·0	---	0·0	---	0·0	---
13	0·0	---	0·0	---	0·0	---	0·0	---
14	0·0	---	0·0	---	0·0	---	0·0	---
15	0·0	---	0·2	7·5	0·4	7·5	0·4	7·5
16	0·4	7·0	0·4	6·5	0·2	6·0	0·2	5·0
17	0·2	4·7	0·2	5·6	0·0	---	0·0	---
18	0·0	---	0·0	---	...	...	0·0	---
19	0·0	---	0·2	4·7	0·0	---	0·0	---
20	0·0	---	0·0	---	0·0	---	0·0	---
21	0·0	---	0·0	---	0·0	---	0·0	---
22	0·0	---	0·0	---	0·2	5·0	0·2	5·6
23	0·2	6·0	0·2	6·0	0·0	---	0·0	---
24	0·0	---	0·0	---	0·0	---	0·0	---
25	0·0	---	0·0	---	0·0	---	0·0	---
26	0·0	---	0·0	---	0·0	---	0·0	---
27	0·3	4·0	0·3	4·0	0·3	4·0	0·3	4·3
28	0·0	---	0·3	4·3	0·0	---	0·0	---
29	0·2	5·4	0·3	4·3	0·3	3·6	0·3	3·7
30	0·3	4·3	0·3	3·7	0·3	3·9	0·3	4·0
31								
Mean.	0·1	5·0	0·1	5·2	0·1	5·0	0·1	4·8
Mean for Day.	A = 0·1μ; Tp. = 5·0s.							

Note.- The Symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquakes or lack of record.

Derived from readings for the period of thirty minutes centring at the exact hours, Greenwich Mean Time.

547. Richmond (Kew Observatory). 1932.

July.

Day.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A	18h. Tp.
	μ	s.	μ	s.	μ	s.	μ	s.
1	0·3	4·1	0·5	4·8	0·5	4·5	0·5	4·8
2	0·5	5·0	0·7	5·0	0·7	4·8	0·7	5·2
3	0·5	5·0	0·5	4·8	0·3	4·5	0·3	4·5
4	0·3	4·1	0·3	4·3	0·3	4·3	0·3	4·3
5	0·2	5·0	0·5	4·5	0·2	5·0	0·2	5·0
6	0·2	5·0	0·2	5·0	0·2	4·7	0·2	5·0
7	0·2	5·0	0·2	5·0	0·2	5·0	...	...
8	0·2	4·8	0·3	4·5	0·2	5·0	0·3	4·3
9	0·2	4·8	0·3	4·5	0·2	5·0	0·3	4·5
10	0·2	5·2	0·2	5·0	0·3	4·3	0·3	4·5
11	0·2	4·8	0·2	4·7	0·0	---	0·0	---
12	0·0	---	0·0	---	0·0	---	0·0	---
13	0·0	---	0·0	---	0·3	3·5	0·0	---
14	0·0	---	0·0	---	0·0	---	0·0	---
15	0·3	3·7	0·0	---	0·0	---	0·0	---
16	0·0	---	0·0	---	0·0	---	0·0	---
17	0·0	---	0·0	---	0·0	---	0·0	---
18	0·2	5·0	0·3	4·3	0·3	4·3	0·3	4·5
19	0·2	5·4	0·5	5·0	0·3	4·5	0·0	---
20	0·0	---	0·0	---	0·0	---	0·0	---
21	0·2	4·7	0·2	5·0	0·2	5·0	0·2	5·0
22	0·3	4·3	0·3	4·3	0·0	---	0·3	4·5
23	0·3	4·1	0·0	---	0·2	4·7	0·3	4·3
24	0·2	4·7	0·2	4·7	0·2	4·7	0·3	4·3
25	0·3	4·3	0·2	5·0	0·2	5·0	0·4	5·6
26	0·2	4·7	0·2	4·7	0·3	4·0	0·2	4·8
27	0·3	4·3	0·3	4·3	0·2	5·0	0·3	3·6
28	0·3	3·6	0·3	4·1	0·2	5·0	0·3	4·3
29	0·2	4·7	0·3	4·5	0·3	4·3	0·3	4·0
30	0·3	4·5	0·3	4·3	0·3	4·1	0·3	4·0
31	0·0	---	0·0	---	0·0	---	0·0	---
Mean	0·2	4·6	0·2	4·7	0·2	4·6	0·2	4·5
Mean for Day.	A = 0·2μ , Tp. = 4·6 s							

August.

Day.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
	μ	s.	μ	s.	μ	s.	μ	s.
1	0·0	---	0·0	---	0·0	---	0·0	---
2	0·0	---	0·0	---	0·0	---	0·0	---
3	0·0	---	0·0	---	0·0	---	0·0	---
4	0·0	---	0·0	---	0·2	6·0	0·2	5·0
5	0·2	6·0	0·2	5·6	...	...	0·0	---
6	0·0	---	0·2	6·7	0·0	---	0·2	5·0
7	0·2	4·7	0·2	5·0	0·2	4·7	0·0	---
8	0·0	---	0·0	---	0·0	---	0·0	---
9	0·0	---	0·0	---	...	...	0·0	---
10	0·0	---	0·0	---	0·0	---	0·0	---
11	0·0	---	0·0	---	0·0	---	0·0	---
12	0·0	---	0·0	---	...	...	...	...
13	...	...	...	...	0·0	---	0·0	---
14	0·0	---	0·0	---	0·0	---	0·0	---
15	0·0	---	0·0	---	0·0	---	0·0	---
16	0·0	---	0·0	---	...	...	...	...
17	...	...	...	...	0·0	---	0·0	---
18	0·0	---	0·0	---	0·0	---	0·0	---
19	0·0	---	0·0	---	0·0	---	0·0	---
20	0·0	---	0·0	---	0·0	---	0·0	---
21	0·0	---	0·0	---	0·0	---	0·0	---
22	0·0	---	0·0	---	0·0	---	0·0	---
23	0·0	---	0·0	---	0·0	---	0·0	---
24	0·0	---	0·0	---	0·0	---	0·0	---
25	0·0	---	0·0	---	0·0	---	0·0	---
26	0·0	---	0·0	---	0·0	---	0·0	---
27	0·0	---	0·0	---	0·0	---	0·0	---
28	0·0	---	0·0	---	0·0	---	0·0	---
29	0·0	---	0·0	---	0·2	5·8	0·2	5·8
30	0·2	5·4	0·2	5·0	0·2	5·2	0·2	5·0
31	0·2	5·2	0·2	5·0	0·2	6·0	0·5	5·2
Mean	0·0	5·3	0·0	5·5	0·0	5·5	0·0	5·2
Mean for Day.	A = 0·0μ , Tp. = 5·4 s.							

September.

Day.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp
	μ	s.	μ	s.	μ	s.	μ	s.
1	0·5	5·2	0·5	5·2	0·4	5·4	0·6	5·6
2	0·6	5·6	0·8	5·8	1·1	5·6	1·0	6·3
3	1·0	6·3	1·2	6·3	1·2	6·0	1·4	6·0
4	1·9	6·0	1·2	6·0	1·4	5·2	0·6	5·6
5	0·6	6·0	0·2	5·2	...	...	0·3	4·0
6	0·3	4·3	0·0	---	...	...	0·2	4·5
7	0·3	4·3	0·3	4·3	...	...	0·2	4·8
8	0·2	4·7	0·5	4·0	0·5	4·5	0·6	3·9
9	1·6	4·3	1·3	4·1	0·5	4·7	0·7	5·2
10	0·4	5·6	0·2	5·4	0·2	5·0	0·4	5·2
11	0·7	5·2	0·9	4·8	0·7	4·5	0·5	4·3
12	0·5	5·0	0·7	5·0	0·7	4·8	0·8	4·3
13	0·9	5·0	0·9	5·4	0·9	5·2	1·0	5·8
14	1·2	5·8	1·8	5·8	1·2	7·0	1·2	7·0
15	1·8	7·0	1·8	6·7	1·2	6·0	1·0	6·3
16	0·7	6·7	0·4	5·2	0·6	6·5	0·2	6·0
17	0·2	4·7	0·2	4·7	0·2	4·7	0·2	5·0
18	0·2	5·0	0·5	5·0	0·6	6·0	0·9	7·0
19	1·6	6·7	0·7	6·7	1·1	5·4	0·2	4·7
20	0·4	5·8	1·2	4·8	1·4	5·8	2·7	5·2
21	3·3	4·8	2·6	4·8	2·1	4·3	2·6	4·3
22	2·4	4·7	2·1	4·8	1·4	4·7	1·2	4·7
23	0·8	4·1	0·6	3·9	0·8	4·1	0·5	4·8
24	1·0	4·7	0·5	4·7	0·3	4·1	0·5	5·0
25	0·5	4·1	0·7	5·2	1·2	4·7	0·9	5·0
26	0·5	4·1	0·6	5·6	0·2	5·0	0·3	4·0
27	0·5	5·0	0·5	5·0	0·5	4·5	0·2	5·4
28	0·3	4·0	0·3	4·3	0·3	3·9	0·3	4·0
29	0·5	4·1	0·2	4·8	0·2	5·0	0·3	4·1
30	0·5	5·0	1·9	4·1	1·1	4·0	0·5	4·8
Mean	0·9	5·1	0·8	5·1	0·8	5·1	0·7	5·1
Mean for Day.	A = 0·8μ , Tp.= 5·1 s,							

October.

Day.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h A.	12h Tp.	18h. A.	18h. Tp
	μ	s.	μ	s.	μ	s.	μ	s.
1	1·0	4·7	0·5	4·3	0·5	5·0	0·8	4·3
2	1·4	4·0	0·8	4·3	0·5	4·3	0·5	4·3
3	0·6	3·9	0·3	4·3	0·2	5·0	0·2	4·7
4	0·3	4·3	0·0	---	0·0	---	0·2	5·0
5	0·0	---	0·0	---	0·0	---	0·0	---
6	0·0	---	0·0	---	0·2	5·0	0·5	5·0
7	0·6	5·6	0·5	5·0	0·7	5·8	0·5	4·0
8	1·3	5·4	1·9	6·5	1·9	6·3	1·8	6·0
9	1·9	5·6	1·9	5·6	2·1	5·6	1·6	5·2
10	1·3	6·5	1·5	6·3	1·0	6·0	0·9	6·7
11	0·8	6·5	0·4	7·0	0·2	5·2	0·2	4·7
12	0·3	4·3	0·2	6·5	0·2	5·0	0·2	6·0
13	0·9	6·7	1·7	7·5	1·4	7·0	1·6	7·0
14	1·2	6·0	1·1	6·3	1·0	4·5	1·1	5·0
15	1·1	5·0	1·6	5·0	0·9	5·0	1·1	5·4
16	0·4	5·2	0·7	5·2	0·4	5·6	0·5	4·0
17	0·2	5·2	0·7	5·2	0·5	5·0	0·2	5·0
18	0·4	5·6	0·5	4·0	1·8	3·7	1·0	4·3
19	1·0	4·5	0·2	5·0	0·5	4·8	0·9	5·0
20	0·8	6·0	1·3	5·4	1·5	5·4	4·4	7·5
21	2·1	7·3	2·0	7·0	2·0	6·7	1·5	5·6
22	2·0	5·2	2·7	5·6	2·0	5·2	1·7	5·4
23	2·2	4·5	1·6	5·0	1·0	5·8	1·0	6·0
24	1·0	4·5	1·2	4·8	1·3	5·2	1·9	5·6
25	0·9	5·2	0·6	6·0	1·6	6·0	1·3	5·4
26	1·4	6·0	1·4	6·0	1·0	6·0	1·5	5·4
27	0·8	5·6	1·2	6·0	1·1	5·2	1·1	5·6
28	1·5	5·4	1·3	4·3	1·1	5·0	0·6	6·5
29	0·4	5·2	0·4	5·6	...	...	1·2	4·8
30	1·9	4·8	3·0	7·0	1·9	6·3	1·9	6·5
31	2·2	5·4	1·1	5·0	1·2	6·0	0·9	5·0
Mean	1·0	5·3	1·0	5·6	1·0	5·4	1·1	5·4
Mean for Day.	A = 1·0μ , Tp. = 5·4 s.							

November

Day.	0h. A.	0h. Tp.	6h. A.	6h. Tp.	12h. A.	12h. Tp.	18h. A.	18h. Tp.
	μ	s.	μ	s.	μ	s.	μ	s.
1	0·6	5·8	0·5	6·7	0·4	5·4	0·6	6·0
2	0·4	5·8	1·1	7·0	1·0	7·5	1·0	6·3
3	0·8	5·8	1·0	5·8	0·6	5·6	0·5	4·0
4	0·3	4·1	0·5	4·3	0·3	3·9	0·3	3·9
5	0·3	4·0	0·3	3·7	0·6	3·7	1·0	4·7
6	0·5	4·0	0·8	4·3	0·4	5·6	0·4	6·0
7	0·6	6·3	1·0	6·3	0·5	4·7	2·0	3·9
8	0·4	5·4	0·6	6·0	0·2	5·6	0·5	5·0
9	0·4	6·5	0·4	6·0	0·4	6·3	1·5	6·7
10	0·9	6·7	0·6	6·0	0·8	6·0	1·3	6·3
11	1·8	7·0	2·5	7·0	3·2	6·5	2·4	7·3
12	3·1	7·3	3·6	7·5	2·3	7·0	1·9	6·5
13	1·9	6·5	1·0	5·6	0·7	5·2	0·2	5·0
14	0·5	5·0	0·5	4·3	0·5	5·0	0·3	3·7
15	...	...	...	...	0·0	---	0·0	---
16	0·0	---	0·0	---	0·0	---	0·0	---
17	0·0	---	0·0	---	0·0	---	0·0	---
18	0·3	4·0	0·0	---	0·0	---	0·2	6·0
19	0·2	5·0	0·2	6·0	1·2	7·0	1·1	7·0
20	1·6	6·7	1·6	6·7	1·7	6·5	1·8	7·0
21	1·7	7·5	1·7	7·5	1·7	7·3	1·8	6·0
22	1·8	6·0	1·4	7·0	2·0	6·0	1·8	6·0
23	2·7	6·3	4·1	8·3	4·1	7·5	3·3	8·0
24	3·4	7·5	1·9	7·5	1·9	6·5	1·5	6·3
25	1·5	5·4	1·6	5·0	0·7	5·0	0·5	5·0
26	1·5	5·4	1·6	5·0	3·6	6·0	4·8	7·0
27	4·6	6·7	4·8	6·7	4·1	7·0	2·9	6·3
28	2·0	6·0	2·1	6·5	2·0	6·0	1·5	6·7
29	1·8	7·0	0·9	6·7	3·2	7·0	2·5	7·0
30	2·7	7·7	3·0	7·7	2·5	7·5	1·8	6·7
Mean	1·3	6·0	1·4	6·2	1·3	6·1	1·3	5·9
Mean for Day.	A = 1·3μ , Tp. = 6·1 s.							

December

Day.	0h. A.	0h. Tp.	6h. A.	6h. Tp	12h. A.	12h. Tp.	18h. A.	18h. Tp.
	μ	s.	μ	s.	μ	s.	μ	s.
1	1·7	5·7	1·9	6·5	1·8	6·0	1·3	6·3
2	1·9	6·5	1·9	6·5	1·9	6·5	1·9	6·3
3	3·5	7·3	3·4	7·5	3·6	7·5	3·1	8·0
4	1·9	6·3	1·9	6·3	1·4	7·0	1·7	6·5
5	0·9	5·4	0·5	4·0	0·9	5·0	2·2	5·4
6	2·0	6·0	1·5	5·4	2·2	5·2	2·2	5·4
7	3·8	6·3	4·7	6·5	4·7	6·5	4·5	6·5
8	5·4	6·0	3·6	6·5	1·8	6·0	2·0	5·2
9	1·5	5·6	1·3	6·5	1·3	5·6	0·4	6·0
10	0·9	6·7	1·6	6·7	1·8	6·0	2·0	6·0
11	1·8	6·0	1·7	5·6	1·1	5·2	1·0	5·8
12	0·7	4·7	0·5	4·5	0·2	4·5	0·3	4·0
13	0·2	4·7	0·3	4·3	0·0	---	0·3	4·3
14	0·0	---	0·0	---	0·2	6·0	0·4	7·0
15	0·8	6·0	1·3	6·3	1·9	7·5	1·6	7·0
16	4·9	9·0	4·4	9·0	2·9	8·3	4·4	8·0
17	3·3	8·0	2·4	7·7	2·5	7·0	3·6	7·0
18	4·0	7·3	3·2	7·5	2·8	7·0	1·9	7·3
19	1·8	7·0	1·5	7·5	1·9	6·5	1·7	6·3
20	1·6	5·2	2·1	5·6	1·7	6·5	1·8	7·0
21	2·5	7·0	1·7	7·5	1·8	7·0	1·8	6·7
22	1·3	8·3	2·2	7·3	2·4	7·7	1·8	6·7
23	2·1	7·0	1·9	6·5	1·9	6·5	2·1	6·3
24	3·0	6·5	2·2	7·5	3·5	8·0	2·2	7·5
25	1·9	7·3	2·2	6·7	1·8	7·0	1·8	7·0
26	2·0	7·0	2·7	7·5	2·4	7·5	1·8	7·0
27	1·3	6·3	0·8	6·5	0·6	6·5	0·7	7·0
28	1·1	6·5	0·9	6·7	1·8	6·7	1·7	7·5
29	1·8	7·0	2·0	6·7	1·6	7·0	1·3	6·5
30	1·6	6·7	2·0	6·0	1·9	7·0	2·0	6·7
31	2·1	7·0	4·6	6·7	6·4	7·0	5·6	7·5
Mean	2·0	6·5	2·0	6·5	2·0	6·6	2·0	6·5
Mean for Day.	A = 2·0μ , Tp.= 6·5 s.							

Note.- The Symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquakes or lack of record.

M.O. 360
Aerological

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1932

Comprising the meteorological and geophysical results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valentia Observatory), and Richmond (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
1934

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 Richmond and Sealand, 1932.

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.

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 46 soundings were made during the year, 29 from the Aviation Service Station of the Meteorological Office at Sealand Aerodrome and 17 from Kew Observatory. In the cases of 30 of these soundings the instruments were found and returned, the rest being lost. In one, which was found and returned, the record was unsatisfactory and could not be utilised. 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.

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 may be taken to have lain between the limits 220 and 310 metres per minute in the troposphere. 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 meteorograph fell at an average rate of about 700 metres per minute.

As regards temperature, unless stated to the contrary the mean of the records on the ascent and descent was employed entirely in computing the published figures. In general the difference between the two records did not exceed 4°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.† Occasionally in exceptional circumstances it is deemed best to give greater weight to one record than to the other, or to publish the data from one record only. All such occasions are mentioned in the notes, they generally refer either to occasions of strong solar radiation when the less vigorous ventilation of the meteorograph on the ascent makes that record less reliable than that of the descent, or to the lowest layers of the troposphere only.

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* M.O. 321, H.M. Stationery Office.

† See also:—Memoirs of the Indian Meteorological Department. Vol. XXIV. Part V. By J. H. Field.

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, and in addition greater weight is given to the descent than to the ascent in the upper parts of such records as show an unusually large difference between them. All occasions on which such selection has been made are specifically mentioned in the notes. 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 one record of relative humidity in each case has been published, which unless specifically mentioned to the contrary in the notes is that of the ascent. 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 an uncertain error of five or more on the percentage scale. No difference has been made as concerns this or previous volumes, in the interpretation of the records as between temperatures above and below the freezing point. For purposes of reference it may however be stated that Depegrams supplied to the International Commission for the exploration of the Upper Air were, up to the year 1929, drawn on the assumption that the published figures of relative humidity at temperatures below 273°A. referred to ice; since 1930 it has been presumed that they refer to water in all cases. Below a temperature of 250°A. it seems doubtful if in the ordinary way the record has any meaning, and the figures for the higher parts of the atmosphere have not therefore been published.

In order to ensure as far as possible that the hygrograph works under standard conditions, it is normally exposed to a saturated atmosphere for ten minutes about an hour before the sounding is made.

The method employed in calibrating the hygrograph is as follows :—It is first immersed in either water or a saturated atmosphere for at least ten minutes, and a mark made by the scriber on the record plate which is taken as corresponding with steady saturated conditions. It is then taken out, roughly dried to remove superfluous water, and placed as soon as possible in a testing chamber through which a current of air flows continually. The relative humidity of the air stream is next reduced in two or more stages to a minimum value of about 20%, plenty of time being allowed at each stage for the conditions to become steady. When in each case steady conditions have been attained a mark is made by the scriber. The object of the test is to obtain two marks at relative humidities near 25%, and in such case the total time taken is about 25 to 30 minutes from the instant when the hygrograph is removed from the water in the first place. If the relative humidity is reduced in more than two stages the total time taken is greater, allowing about ten minutes per stage. The calibration is carried out at temperatures above 288°A.

When the contraction of the hair corresponding with a relative humidity of 25% has been determined in the manner described, the contraction throughout the scale under the conditions met with in the sounding is assumed to follow an empirical law, which has been determined from the average behaviour of a large number of hairs. A table expressing this law appeared in the Introduction to the Aerological Section of the Year Book for 1930 and represented the procedure which had been adopted up to the end of that year. As a result of further experiments made in 1931 it was found desirable to amend the statement of the empirical law of contraction of the hygrograph hairs, and for purposes of tabulation since January, 1931, the following table has been used :

Relative humidity %	110	100	95	90	80	70	60	50	40	30	25
Contraction of hair. / Saturated length.	– ·07k	00k	·035k	·080k	·185k	·315k	·45k	·59k	·74k	·90k	·99k

Here, the quantity k is defined as the contraction of the hair from its saturated length at the relative humidity of 25% expressed as a fraction of the saturated length, and determined as set out in the preceding paragraph.

The average value of k has been found to be about ·0099, but individual hairs differ from the mean by anything up to 15% on either side. This figure is based on observations made on about 80 meteorographs, involving 40 or more entirely separate human hairs derived from various sources.

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 16×10^{-6} per degree A.

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; heretofore these occasions have been uniformly tabulated as 100%. 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 table upwards through 100, the extension being indicated in brackets. If, for example, the hairs are found to have extended by $\cdot 035k$ beyond their length when immersed in water at the same temperature the relative humidity is tabulated as 105%, but there is not enough evidence to be able to state what exactly is the corresponding physical condition of the atmosphere in regard to water vapour.

Data of well marked inversions and regions of zero lapse rate in the troposphere are included in the notes 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. The mean values of the disturbance without regard to sign were 1·7°A. for the temperature and 6 mb. for the pressure.

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."†

†—E. Gold, F.R.S., Geophysical Memoir No. 16, M.O. 220f, London, 1920.

No. of Sounding.	872	873	877	879	880	881	884	885	887	888
Date.	Feb. 11	Feb. 12	Apl. 13	Apr. 14	Apr. 20	Apr. 25	May 12	May 12	June 22	June 23
Station.	Kew.	Kew.	Sealand.	Sealand.	Kew.	Kew.	Sealand.	Kew.	Sealand.	Sealand.
Start G.M.T.	12h. 25m.	16h. 9m.	18h. 5m.	13h. 25m.	13h. 53m.	14h. 37m.	7h. 20m.	13h. 27m.	17h. 42m.	7h. 27m.
L_t=Geopotential at Greatest Height ... ... (Kl.)	15·28	16·22	13·76	17·80	7·38	7·71	17·45	8·92	9·55	18·05
T_t=Corresponding Temperature ... (°A)	223	219	213	223	237	234	222	234	227	225
P_t=Corresponding Pressure ... (mb.)	107	92	136	73	370	357	80	309	282	75
Place of Fall	Minstead, Lyndhurst, Hants.	Winsham, Chard, Somerset.	Hardygate, Cropwell Butler, Notts.	Ashley, Altrincham, Cheshire.	Danbury, Chelmsford, Essex.	Poplar, London	Lound, nr. Retford Notts.	Rawreth, nr. Rayleigh Essex.	Smethcote, Lebotwood, Salop.	Titley, Kington, Hereford.
Distance ... . (Km.)	109	192	139	46	67	21	136	63	72	113
Bearing. Degrees from N.	235	250	103	72	65	76	83	74	171	180
Geostrophic Wind—Speed ... ...(m/s.)	10	13	17	9	12	5	16	16	7	1
Degrees from N.	50	65	220	250	260	290	235	225	330	—
Wind (Anemograph)—Speed ... ...(m/s.)	4·5	4·5	3	3·5	6	2	6·5	6	7	2·5
Degrees from N.	45	20	190	245	225	315	210	225	305	270
Humidity at surface ... ... (%)	77	63	66	66	88	49	84	71	73	85
Type of Tropopause	I.	I.	I.	I.	—	—	I.	—	—	I.
L_c=Geopotential at ,, ... (Kl.)	8·61	10·10	11·56	8·03	—	—	11·19	—	—	11·22
T_c=Temp. at ,, ... (°A.)	218	215	206	224	—	—	219	—	—	219
P_c=Pressure at ,, ...(mb.)	304	240	196	331	—	—	214	—	—	219
Mean. Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	224	220	—	228	—	—	221	—	—	223
Mean. Temp. in Stratosphere (L_c+5) to (L_c+8) (°A.)	—	—	—	224	—	—	—	—	—	—
Mean. Temp. in Stratosphere (L_c+8) to (L_c+11) (°A.)	—	—	—	—	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... (°A.)	243	243	251	246	—	—	257	—	258	259
P_s (Pressure at M.S.L.) ... ...(mb.)	1030	1029	1025	1009	1003	1017	1007	1013	1024	1026

No. of Sounding.

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1932

872. Weather cz, snow on ground. Clouds Cu. and St.–Cu. 7/10 from ENE, A–Cu. 1/10 from ENE. *Inversion* (1·44—1·64 Kl., 852—830 mb., 260·3—262·4°A., 85—62%). Pressure distribution:—An anticyclone centred NW of Scotland extends over the British Isles; low over the Azores. Type VIIIa.

873. Weather bcz. Clouds Cu. and Fr–Cu. 5/10 from ENE at about 1 Kl. *Inversion* on descent (2·05—2·14 Kl., 786—777 mb., 257·6—258·2°A.). *Inversion* on ascent (2·19—2·29 Kl., 772—761 mb., 256·6—257·4°A.). Pressure distribution:—An anticyclone centred NW of Scotland extends over the British Isles; low to the west of Spain. Type VIIIa.

877. Weather cloudy. Clouds St. 3/10 from SW at about 0·8 Kl., St–Cu. 7/10 from SW at about 2 Kl., the balloon emerged from another cloud layer at 4·07 Kl. *Isothermal* (1·33—1·57 Kl., 866—840 mb., 269·5°A., 80—77%). *Isothermal* (4·88—5·15 Kl., 540—520 mb., 252°A., 85—89%). Pressure distribution:—High over the Bay of Biscay, low to the south-west of Iceland and over Scandinavia. Type V or Va.

879. Weather pr$_0$. Clouds Cu–Nb. 7/10 from WSW at about 1·2 Kl., Cirrus 2/10 from WSW. Mean of both records of temperature used except above 14 Kl., where the two differed a good deal and a bias was made towards the descending record; also a rise of temperature of a few degrees at the extreme top was ignored. Pressure distribution:—A depression south of Iceland is filling up and giving way to an anticyclone over the Atlantic. Type Va.

880. Weather showery. Clouds Nb. 10/10 with shower of rain. Ascent curtailed by means of automatic release. Pressure distribution:—A depression NW of Scotland, high over Atlantic and Spain. Type III.

881. Weather cloudy. Clouds St–Cu. 8/10 from W, A–St. 2/10. Ascent curtailed by means of automatic release. *Inversion* (2·61—3·23 Kl., 727—670 mb., 261·6—262·7°A.) Pressure distribution:—Low NE and E of Scotland; high SW of Ireland. Type IV.

884. Weather cr$_0$. Clouds St. 9/10 from SW at about 0·6 Kl., Cirrus trace. The hygrogram indicated persistent supersaturation from 2 Kl. to 7·5 Kl. *Inversion* on descent (0·66—0·76 Kl., 927—916 mb., 278·5—279·3°A.). Pressure distribution:—A depression west of Ireland extending over the British Isles is deepening while pressure is rising slowly over the Continent. Type V.

855. Weather cloudy. Clouds St–Cu. 6/10 from SW at about 0·6 Kl., A–Cu. and A–St. 3/10 from WSW. Ascent curtailed by means of automatic release. *Inversion* (0·83—1·16 Kl., 915—878 mb., 279·5—282·5°A., 97—45%). Pressure distribution:—The same as in No. 884. Type V.

887. Weather bc. Clouds Cu. trace, A–Cu. 7/10 from NNW moving at 13 r.p.h. *Isothermal* on ascent (0·40—0·58 Kl., 975—954 mb., 283·5°A., — —66%). *Inversion* on ascent (0·58—0·70 Kl., 954—940 mb., 283·5—285·2°A., 66—56%). Pressure distribution:—An anticyclone centred south-west of Ireland extends over the British Isles, whilst shallow depressions are centred over Scandinavia, Russia, and Spain. Type X.

888. Weather overcast. Clouds St. from N at about 0·6 Kl. *Inversion* (0·76—0·93 Kl., 935—917 mb., 281·3—283·4°A., 76—55%). *Inversion* on descent (2·79—2·93 Kl. 724—712 mb., 269·6—271·2°A.) *Inversion* on ascent (3·07—3·23 Kl., 700—685 mb., 268·5—271·0°A., 103—66%). Pressure distribution:—An anticyclone centred south-west of Ireland extends over the British Isles, whilst pressure is low north of Iceland. Type X.

T.=Temperature in degrees absolute. P.=Pressure in millibars.

548. L.=Geopotential level above M.S.L. in kiloleos (Kl.) RH.=Relative Humidity as percentage. **1932.**

No. of Sounding.	889.	890.	891.	892.	894.	895.	896.	897.	899.	901.
Date.	June 23.	June 29.	July 13.	July 13.	July 28.	Aug. 10.	Aug. 11.	Aug. 11.	Sept. 14.	Sept. 15.
Station.	Sealand.	Sealand.	Kew.	Kew.	Sealand.	Kew.	Kew.	Kew.	Sealand.	Sealand.
Start G.M.T.	13h. 10m.	13h. 22m.	12h. 50m.	18h. 30m.	13h. 50m.	18h. 00m.	07h. 00m.	13h. 00m.	18h. 00m.	13h. 08m.
L_t=Geopotential at Greatest Height (Kl.)	21·48	22·10	13·00	21·94	16·04	16·39	16·33	18·84	17·93	19·79
T_t=Corresponding Temperature ... (°A.)	229	232	228	232	227	220	221	224	212	221
P_t=Corresponding Pressure ... (mb.)	44	40	168	42	103	97	98	67	75	57
Place of Fall	Berriew, Mont-gomery.	Norden, Rochdale, Lancs.	Barnt Green, Nr. Birm-ingham.	Haversham, Wolverton, Bucks.	Flintham, Nr. Newark, Notts.	Henley, Ipswich, Suffolk.	Albury, Hadham, Herts.	Cherry Hinton, Cambs.	Teversall, Notts.	Little Hay-field, Stock-port, Derby
Distance ... ... (Km.)	71	69	150	75	142	124	56	87	114	73
Bearing. Degrees from N.	191	49	310	335	99	53	29	22	94	76
Geostrophic Wind— Speed ... ... (m/s)	1	8	8	8	11	5	8	8	5	3
Degrees from N.	—	190	130	255	280	190	160	140	255	280
Wind (Anemograph)— Speed ... ... (m/s.)	0	4	2	4	6	0	0	4·5	1	2
Degrees from N.	—	160	90	250	305	—	—	160	290	340
Humidity at surface ... ... (%)	58	57	77	84	61	55	96	37	89	79
Type of Tropopause...	I.	I.	I.	I.	I.	I.	I.	I.	III.	I.
L_c=Geopotential at „ ... ... (Kl.)	11·45	11·79	11·59	10·75	10·79	11·96	11·63	11·88	13·57	12·60
T_c=Temp. at „ ... ... (°A.)	216	213	219	222	221	217	217	216	209	211
P_c=Pressure at „ ... (mb.)	211	198	208	235	232	197	207	200	155	185
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	222	222	—	226	227	—	—	221	—	212
(L_c+5) to (L_c+8) (°A.)	224	226	—	226	—	—	—	—	—	—
(L_c+8) to (L_c+11) (°A.)	—	—	—	228	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) ... (°A.)	259	261	264	262	261	263	263	264	267	268
P_s (Pressure at M.S.L.) ... (mb.)	1026	1012	1006	1006	1006	1017	1014	1012	1026	1031

549. **1932.**

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1932.

No. of Sounding.

889. Weather b. Clouds Cu. 2/10 at about 0·9 Kl. The conditions were calm and sunny, which may perhaps explain the relatively high temperature recorded in the screen compared with that at 0·5 Kl. *Inversion* (0·99—1·22 Kl., 910—884 mb., 281·6—282·0°A., 79—66%). *Inversion* (3·04—3·41 Kl., 703—670 mb., 269·5—270·4°A., 76—65%). Pressure distribution:—The same as for No. 888 but the depression north of Iceland is moving south-east. Type X or VIIIb.

890. Weather cloudy. Clouds Cu. and St-Cu. 8/10 from SSW at about 1·2 Kl., A-St. 1/10. Mean of both records of temperature employed except above 12·5 Kl. where a bias was made towards the descending record; a large apparent rise of temperature shewn on the descending record at the extreme top has been ignored. *Inversion* on ascent (2·60—2·81 Kl., 734—714 mb., 272·4—276·0°A., 93—59%). *Inversion* on descent (2·69—2·85 Kl., 725—710 mb., 271·0—273·9°A.). Pressure distribution:—Depressions west of Ireland and over Iceland are deepening and joining up. Type IV.

891. Weather cz. Clouds St-Cu. 5/10 from E, A-Cu. 2/10 from SE. The balloon actually reached a height of 16–17 Kl. but developed a leak and did not burst; the ventilation of the instrument was so insufficient near the top that the record above 13 Kl. was not used. Pressure distribution:—A complex low pressure system covering Europe and the British Isles is slowly giving way to a large anticyclone over the Atlantic. Type VIII or XIII.

892. Weather cloudy. Clouds St-Cu. 7/10 from WSW, A-Cu. 2/10 from SSW moving very slowly. Marked indication on hygrogram of supersaturation at about 1·5 Kl. on both ascent and descent. *Inversion* (1·54—1·82 Kl., 833—805 mb., 281·5—281·9°A., 106—94%). Pressure distribution:—The same as for No. 891. Type XIII.

894. Weather bc. Clouds Cu. and St-Cu. 4/10 from W by S. Cirrus 2/10 from W moving at 16 r.p.h. The upper limit of the lower cloud layer occurred at about 1·4 Kl. Mean of both records of temperature employed, except at the top where a bias was made towards the descending record; a rise of a few degrees at the extreme top was also ignored. *Isothermal* (1·52—1·77 Kl., 836—810 mb., 279·5°A.). Pressure distribution:—Depressions centred over Scotland are filling up whilst an anticyclone centred west of Spain extends over France. Type III.

895. Weather b. Clouds none. Mean of both records of temperature employed except that a marked rise at the extreme top was ignored. *Inversion* (0·88—1·03 Kl., 916—900 mb., 289·7—290·0°A., 75—59%). Pressure distribution:—Pressure high over Germany and the Atlantic with shallow depressions south-west of Ireland and over Iceland. Type VI.

896. Weather bz. Clouds none. *Inversion* (0·10—0·36 Kl., 1013—972 mb., 288·5—294.0°A., 96—63%). Pressure distribution:—The same as for No. 895, the depression over Iceland is filling up slowly. Type VIa.

897. Weather bc. Clouds Ci-Cu. and Ci. 3/10 from SSW. The mean of both records of temperature was employed except that near the ground more weight was given to the ascent than to the descent and above 17·5 Kl. more weight was given to the descent than to the ascent. A marked rise on both records at the extreme top was ignored. *Isothermal* on ascent (7·33—752 Kl., 398—387 mb., 249°A., 39—40%). Pressure distribution:—The same as for No. 896. Type VIa.

899. Weather cd_0. Clouds St. 9/10 from W at about 0·55 Kl. *Isothermal* (4·34—4·50 Kl., 601-589 mb., 270·4°A., 53—51%). Small lapse rate (12·25—12·60 Kl., 193—182 mb., 213—212°A.). Pressure distribution:—A depression is centred over Iceland, an anticyclone south-west of Ireland extends over Europe generally. Type XIa or Va.

901. Weather cm_0. Clouds St. and St-Cu. 10/10 at about 0·7 Kl. moving very slowly. The mean of both records was employed for temperature, except that above 18·5 Kl. more weight was given to the descending record while a sudden rise at the extreme top was ignored. *Inversion* on descent (0·74—1·39 Kl., 944—872 mb., 287·2—291·5°A.). *Inversion* on ascent (0·95—1·39 Kl., 920—872 mb., 285·7—292·4°A., 105—33%). *Isothermal* (5·09—5·41 Kl., 550—528 mb., 267°A., 27—26%). Sudden changes of lapse rate at (13·07 Kl., 171 mb., 211 3°A.) and (14·16 Kl., 143 mb., 209·5°A.). Pressure distribution:—The depression over Iceland is moving north-east, the anticyclone over the British Isles has increased in intensity. Type XI.

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. **1932.**

No. of Sounding.	902.	903.	904.	905.	906.	907.	908.	909.	910.
Date.	Sept. 24.	Oct. 12.	Oct. 13.	Oct. 13.	Nov. 9.	Nov. 10.	Nov. 10.	Dec. 14.	Dec. 15.
Station.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T. … … … … …	15h. 3m.	17h. 40m.	6h. 55m.	12h. 40m.	17h. 40m.	7h. 50m.	17h. 40m.	17h. 50m.	7h. 30m.
L_t =Geopotential at Greatest Height (Kl.)	10·05	17·32	19·22	14·08	17·49	17·57	17·41	18·97	20·33
T_t =Corresponding Temperature … (°A.)	223	216	225	223	218	220	216	211	212
P_t =Corresponding Pressure … … (mb.)	257	77	60	130	75	75	77	58	47
Place of Fall … … … …	Hornchurch, Essex.	Melbourne, nr. York.	Little Smeaton, Pontefract.	Shelford, Notts.	Greenfield, Yorks.	Cliffe, nr. Selby, Yorks.	Nash, Ludlow, Salop.	Longstone, Bakewell, Derby.	Nunburnholme, East Yorks.
Distance … … … … … (Km.)	39	159	128	135	80	147	102	86	170
Bearing. Degrees from N. … … …	76	62	68	101	64	76	165	87	62
Geostrophic Wind— Speed … … … … … (m/s.)	8	12	18	15	2	7	3	16	18
Degrees from N. … … … …	300	240	270	280	210	210	150	200	230
Wind (Anemograph)— Speed … … … … … (m/s.)	2	4·5	4·5	6·5	0	2	1	5·0	60
Degrees from N. … … … …	270	225	245	225	—	135	110	145	190
Humidity at surface … … … (%)	69	79	82	69	93	94	93	86	67
Type of Tropopause … … …	—	I.	II.	II.	I.	II.	I.	I.	I.
L_c =Geopotential at „ … … (Kl.)	—	10·85	5·85	6·55	10·21	9·40	10·25	10·86	11·71
T_c =Temp. at „ … … (°A.)	—	214	2·38	232	217	220	216	213	206
P_c = Pressure at „ … … (mb.)	—	218	454	408	240	275	245	217	193
Mean Temp. in Stratosphere (L_c+2) to (L_c+5) (°A.)	—	217	235	231	218	219	216	216	215
Mean Temp. in Stratosphere (L_c+5) to (L_c+8) (°A.)	—	—	229	—	—	219	—	212	212
Mean Temp. in Stratosphere (L_c+8) to (L_c+11) (°A.)	—	—	226	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 Kl.) … (°A.)	260	252	249	246	249	249	252	249	254
P_s (Pressure at M.S.L.) … … (mb.)	1001	1005	996	997	1016	1021	1024	1019	1017

549. **1932.**

No. of Sounding. REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1932.

902. Weather bc. Clouds Cu. and Fr–Cu. 5/10 from WNW, A–Cu. 1/10 moving very slowly. Mean of both records of temperature employed except that a little more weight was given to the ascent below 1 Kl. and to the descent at the top. Ascent curtailed by means of automatic release. *Isothermal* (1·14—1·91 Kl., 870—790 mb., 278°A. 94—32%). Pressure distribution:—A depression centred north-west of Scotland extends over Western Europe while a small secondary to it is moving up the Channel. Type IXa.

903. Weather cr_o. Clouds Nb. 5/10, St. 4/10 from WSW. A–St. 1/10. Small lapse rate (9·99–10·44 Kl., 250—233 mb., 215·3—215·0°A). Pressure distribution A depression over Iceland is deepening and moving south-eastwards, pressure is high SW of Ireland and over South-East Europe. Type Va.

904. Weather $bcpr_o$. Clouds Cu–Nb. 5/10 from W by N at about 0·9 Kl. Mean of both records employed for the temperature except that above 18 Kl. more weight was given to the descent than the ascent and that at the extreme top a sudden rise shewn on both records was ignored. The estimation of L_0 does not strictly follow the rules in that from 10 to 12 Kl. there is a lapse rate of 3; it is difficult, however, to assign any other point as the base of the stratosphere. Pressure distribution:—Similar to No. 903 but the depression is now centred over Scotland. Type III.

905. Weather cprq. Clouds Cu–Nb. 9/10 from W by N at about 0·9 Kl. False Cirrus trace from W moving at 16 r.p.h. Balloon released under large Cu. cloud, it emerged from this cloud at 2·65 Kl. and shewed a rapid fall of temperature on emergence; thus (2·53—2·69—2·88 Kl., 718—706—687 mb., 263·4—261·4—261·4°A., 116—111—93%). Pressure distribution:—The depression over Scotland has moved east and deepened, the anticyclone to the south-west of Ireland remains. Type I.

906. Weather cm_o. Clouds St–Cu. 9/10 from W by S at about 2 Kl. *Inversion* on descent (2·19—2·26 Kl., 767—760 mb., 263·6—267·5°A.). *Inversion* on ascent (2·47—2·63 Kl., 740—724 mb., 264·0—267·6°A., 110—77%). Pressure Distribution:—A shallow depression is centred over the North Sea. An anticyclone south-west of Ireland is giving way before deepening depressions south-west of Iceland and over the Mediterranean. Type XIa.

907. Weather cm_o. Clouds St. and St–Cu. 9/10 from WSW at about 1·2 Kl. The mean of both records of temperature was employed except that owing to the balloon not bursting an enormous rise of temperature (24°A.) occurred at the extreme top on both records; this was ignored. *Inversion* on ascent (0·01—0·21 Kl., 1021—995 mb., 278·6—280·0°A., 94—90%). *Inversion* on descent (2·57—2·71 Kl., 736—722 mb., 262·7—265·0°A.). Pressure distribution:—The depression south-west of Iceland is deepening; an anticyclone exists over Russia. Type VI.

908. Weather cm. Clouds St–Cu. 9/10 from NNW at about 1·5 Kl. The balloon emerged from these clouds at about 2·4 Kl. *Inversion* on ascent (2·38—2·52 Kl. 757—744 mb., 266·4—268°A., 115—77%). *Inversion* on descent (2·62—2·77 Kl., 735—720 mb., 266—267°A.). Sudden changes of lapse rate at (10·78 Kl., 225 mb., 219·4°A) and (12·68 Kl., 166 mb., 217°A.). Pressure distribution:—The same as for No. 907, but the Continental anticyclone has spread rather further westward. Type VI.

909. Weather cm_o. Clouds St. and St–Cu. 9/10 from SSW at about 1·2 Kl. *Inversion* near the ground. *Inversion* on descent (1·93—1·97 Kl., 799—795 mb., 269·4—270·6°A.). Pressure distribution:—A depression over Iceland is deepening while pressure remains high over Central Europe and West of Spain. Type Va.

910. Weather cloudy. Clouds St–Cu. 7/10 from SW, A–St. 3/10. *Inversion* on descent (0·89—0·97 Kl., 910—900 mb., 272·3—274·4°A.). Pressure distribution:—The same as for No. 909. Type Va.

$T.$=Temperature in degrees absolute. $P.$=Pressure in millibars.
$L.$=Geopotential level above M.S.L. in kiloleos (Kl.) $RH.$=Relative Humidity as percentage.

No.	872.	873.	877.	879.	880.	881.	884.	885.	887.	888.
Date. Station.	Feb. 11. Kew.	Feb. 12. Kew.	April 13. Sealand.	April 14. Sealand.	April 20. Kew.	April 25. Kew.	May 12. Sealand.	May 12. Kew.	June 22. Sealand.	June 23. Sealand.
Start. (G.M.T.)	12h. 25m.	16h. 9m.	18h. 5m.	13h. 25m.	13h. 53m.	14h. 37m.	7h. 20m.	13h. 27m.	17h. 42m.	7h. 27m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES. 1932.

Pressure.	L.	T.	RH.	L.	T.	L.	T.	RH.	L.	T.	L.	T.	RH.	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 +	%	Kl.	°A 200 +	%
100	...	...	...	15·63	19	...	...	...	15·80	22	...	...	...	...	...	16·03	20	...	...	...	...	...	...	...	16·21	23	...
200	11·25	23	57	11·25	20	11·45	6	...	11·31	28	...	...	...	...	...	11·63	19	...	...	...	...	...	...	...	11·79	20	...
300	8·69	18	67	8·71	21	8·95	25	75	8·67	25	...	...	...	...	...	9·03	31	90	...	...	...	9·15	29	41	9·19	31	52
400	6·85	31	71	6·83	32	7·02	40	66	6·79	33	6·86	41	39	6·95	37	7·07	45	114	7·15	47	63	7·20	44	46	7·23	45	48
500	5·33	43	69	5·31	42	5·45	51	87	5·26	44	5·28	50	46	5·39	50	5·46	56	104	5·53	58	80	5·60	55	33	5·63	57	43
600	4·03	50	68	4·03	51	4·12	57	98	3·97	51	3·95	56	91	4·05	59	4·07	64	106	4·15	66	90	4·24	65	31	4·26	65	55
700	2·91	56	51	2·91	55	2·97	63	110	2·83	60	2·80	63	101	2·89	62	2·89	69	110	2·97	71	60	3·05	71	30	3·07	70	103
800	1·92	61	42	1·92	58	1·95	68	86	1·82	67	1·79	69	102	1·89	66	1·85	74	107	1·91	78	54	2·01	76	35	2·03	76	65
900	1·04	63	...	1·04	...	1·03	72	78	·91	73	·87	74	82	·97	74	0·91	79	92	·96	81	62	1·06	83	39	1·08	83	58
1000	·23	...	...	·23	...	·20	...	...	·07	...	·03	...	...	·13	...	·05	...	...	·11	...	...	·20	...	...	·23	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS. 1932.

Geopotentials.	P.	T.	RH.	P.	T.	P.	T.	RH.	P.	T.	P.	T.	RH.	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 +	%	mb.	°A 200 +	%
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76	25	...
17	...	...	...	...	...	...	...	...	83	22	...	...	...	...	...	86	21	...	...	...	...	...	...	...	88	24	...
16	...	...	...	94	19	...	...	...	97	22	...	...	...	...	...	100	20	...	...	...	...	...	...	...	103	23	...
15	112	23	...	110	19	...	...	...	113	22	...	...	...	...	...	117	21	...	...	...	...	...	...	...	121	23	...
14	131	25	...	129	20	...	...	...	132	25	...	...	...	...	...	137	23	...	...	...	...	...	...	...	141	22	...
13	153	24	...	153	21	155	12	...	155	27	...	...	...	...	...	161	22	...	...	...	...	...	...	...	165	22	...
12	178	25	...	177	21	182	8	...	180	28	...	...	...	...	...	188	20	...	...	...	...	...	...	...	193	20	...
11	208	21	...	208	18	215	9	...	209	28	...	...	...	...	...	221	19	...	...	...	...	...	...	...	227	19	...
10	244	20	...	244	16	254	17	71	244	27	...	...	...	...	...	258	23	90	...	...	...	...	...	...	265	25	52
9	286	18	67	286	19	297	24	74	285	26	...	...	...	...	...	301	31	90	...	...	...	307	30	42	309	32	52
8	335	22	68	335	25	346	33	76	332	24	...	...	...	...	...	349	38	96	354	40	50	356	38	42	358	39	53
7	391	29	72	391	31	401	40	67	388	32	392	40	39	397	37	404	45	114	408	47	67	411	45	46	413	47	47
6	454	38	67	452	37	462	47	84	450	39	452	46	39	458	45	464	52	108	469	55	73	474	53	36	475	55	42
5	524	45	73	523	44	531	52	88	519	45	519	52	48	527	53	530	59	105	537	61	92	543	60	32	543	61	57
4	602	51	69	602	51	609	58	105	597	51	596	56	90	604	59	605	64	106	612	66	93	619	66	31	620	66	49
3	692	56	53	691	55	696	63	109	684	59	682	62	99	690	63	689	69	109	697	70	61	705	71	29	706	70	102
2·5	740	58	37	740	57	744	66	101	731	63	728	65	103	738	62	735	71	111	742	74	48	751	73	33	752	72	80
2	792	61	38	792	58	794	67	87	781	66	778	67	105	788	64	783	73	109	791	78	51	800	76	35	802	76	64
1·5	846	61	83	846	61	847	70	77	833	69	830	70	94	841	69	835	76	98	842	81	54	851	79	33	853	80	68
1	905	64	...	904	64	904	72	76	889	73	884	73	86	897	73	889	79	93	895	82	56	906	83	41	908	83	57
0·5	965	...	...	965	69	963	77	61	947	77	942	77	79	955	78	946	80	...	952	81	87	963	84	67	966	82	101
Ground.	1029	73	77	1029	74	1024	82	66	1008	83	1002	81	88	1016	85	1006	86	84	1012	87	71	1024	87	73	1025	86	85

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

552. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS. 1932.

Degrees absolute per kiloleo.

Kiloleos.										
20 to 21	...	...	...	...	...	...	...	...	...	...
19 to 20	...	...	...	...	...	...	...	...	...	...
18 to 19	...	...	...	...	...	...	...	...	...	...
17 to 18	...	...	...	...	...	...	...	...	...	−1
16 to 17	...	...	...	0	...	...	−1	...	...	−1
15 to 16	...	−1	...	0	...	...	1	...	...	0
14 to 15	2	2	...	3	...	...	1	...	...	−1
13 to 14	−1	1	...	2	...	...	−1	...	...	0
12 to 13	1	0	−4	1	...	...	−2	...	...	−2
11 to 12	−4	−3	1	0	...	...	−1	...	...	−1
10 to 11	−1	−3	8	−1	...	...	4	...	...	5
9 to 10	−2	4	8	−1	...	...	8	...	...	8
8 to 9	4	5	8	−2	...	...	8	...	8	7
7 to 8	7	6	8	8	...	...	7	7	7	7
6 to 7	9	6	7	8	6	8	7	7	8	8
5 to 6	7	7	5	5	6	8	7	7	7	6
4 to 5	5	7	6	6	4	7	5	5	6	6
3 to 4	5	4	5	8	6	3	5	4	5	3
2·5 to 3	6	3	6	7	5	−1	4	7	4	5
2 to 2·5	4	3	3	7	5	5	5	8	6	9
1·5 to 2	0	5	4	6	6	8	5	6	6	7
1 to 1·5	7	8	6	7	6	10	6	2	8	6
0·5 to 1	9	10	8	8	7	10	2	−2	1	−1
Ground to 0·5		9	11	12	7	13	12	13	8	7

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree.

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.	889.	890.	891.	892.	894.	895.	896.	897.	899.	901.
Date. Station.	June 23. Sealand.	June 29. Sealand.	July 13 Kew.	July 13. Kew.	July 28. Sealand.	Aug. 10. Kew.	Aug. 11. Kew.	Aug. 11. Kew.	Sept. 14. Sealand.	Sept. 15. Sealand.
Start. (G.M.T.)	13h. 10m.	13h. 22m.	12h. 50m.	18h. 30m.	13h. 50m.	18h. 00m.	07h. 00m.	13h. 00m.	18h. 00m.	13h. 08m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES.—*continued.* 1932.

Pressure.	L.	T.	RH.	L.	T.	RH.	L.	T.	L.	T.	RH.	L.	T.	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 +	%	Kl.	°A 200 +	%
100	16·18	23	...	16·11	23	...	...	...	16·27	26	...	...	...	16·20	20	...	16·20	21	...	16·26	21	...	16·19	8	...	16·31	11	...
200	11·79	17	...	11·73	13	...	11·85	21	11·77	25	...	11·73	23	11·87	17	...	11·85	17	...	11·88	16	...	12·03	14	...	12·12	14	...
300	9·21	30	54	9·16	31	65	9·20	36	9·14	34	61	9·11	33	9·27	31	45	9·25	33	37	9·27	33	43	9·42	35	32	9·50	37	24
400	7·23	45	54	7·18	47	65	7·19	50	7·15	49	65	7·13	48	7·30	45	43	7·27	46	37	7·29	47	39	7·41	52	34	7·48	52	24
500	5·62	58	48	5·55	59	53	5·55	61	5·52	60	67	5·50	59	5·69	59	44	5·65	59	36	5·67	59	31	5·75	64	37	5·82	64	26
600	4·25	65	51	4·17	68	47	4·17	69	4·13	69	71	4·12	68	4·30	71	37	4·27	69	37	4·27	70	31	4·35	70	53	4·42	71	28
700	3·07	70	70	2·97	75	54	2·96	76	2·93	75	82	2·93	74	3·08	79	39	3·05	78	37	3·06	78	36	3·14	79	51	3·20	79	31
800	2·02	76	77	1·93	77	79	1·89	83	1·87	80	92	1·87	79	2·00	85	43	1·97	85	45	1·98	85	57	2·06	84	91	2·11	88	32
900	1·07	82	69	·97	84	71	·93	88	·91	85	95	·91	83	1·03	90	59	1·01	91	57	1·01	93	53	1·09	87	109	1·13	91	40
1000	·21	...	...	·11	...	...	·05	...	·05	...	...	·05	...	·14	...	...	·12	...	...	·11	...	...	·21	...	100	·26	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS—*continued.* 1932.

Geopotentials	P.	T.	RH.	P.	T.	RH.	P.	T.	P.	T.	RH.	P.	T.	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 +	%	mb.	°A 200 +	%
	...	...	...	41	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	46	28	...	47	30	...	...	...	49	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	55	26	...	55	28	...	...	...	57	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	64	25	...	64	27	...	...	...	66	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	65	19	...
18	75	24	...	75	26	...	...	...	77	25	...	...	...	...	...	...	...	...	...	76	23	...	...	...	...	76	16	...
17	88	23	...	87	24	...	...	...	89	25	...	...	...	...	...	...	...	...	...	89	22	...	87	10	...	89	13	...
16	103	23	...	102	23	...	...	...	104	26	...	104	27	103	19	...	103	21	...	105	21	...	103	8	...	105	11	...
15	120	22	...	119	22	...	...	...	121	26	...	121	26	121	17	...	121	19	...	122	20	...	122	8	...	124	10	...
14	141	21	...	139	21	...	...	...	142	26	...	141	28	142	17	...	142	19	...	143	20	...	144	8	...	147	9	...
13	165	21	...	163	20	...	168	28	165	26	...	164	26	167	18	...	166	19	...	168	20	...	170	10	...	173	11	...
12	193	18	...	193	14	...	195	22	193	26	...	192	24	195	17	...	195	18	...	197	16	...	201	14	...	204	15	...
11	227	18	...	225	17	...	228	22	226	22	...	225	21	229	21	...	229	19	...	230	20	...	236	22	...	239	24	...
10	265	25	...	264	23	64	266	29	264	27	...	262	25	268	27	...	267	27	...	269	27	43	275	30	...	278	32	...
9	309	32	...	307	33	66	309	37	306	35	61	306	34	312	33	45	311	34	37	312	35	43	319	39	...	322	40	...
8	358	39	54	356	41	66	357	45	354	42	60	354	43	361	40	44	360	41	37	361	42	41	368	47	33	372	48	24
7	413	47	54	410	49	65	411	51	408	50	66	407	49	417	48	43	415	48	37	416	49	38	423	55	35	427	56	25
6	475	55	50	470	56	57	471	58	468	57	67	468	55	479	56	44	477	56	36	478	56	31	484	62	37	488	63	26
5	543	62	46	538	63	48	538	65	535	63	82	535	63	547	65	41	545	64	36	546	65	29	552	68	45	556	68	27
4	620	67	54	614	69	48	612	69	611	70	70	610	68	623	73	40	621	71	37	621	72	32	628	73	47	633	73	30
3	707	70	85	698	75	52	696	75	693	75	81	694	73	707	80	38	705	78	37	705	79	36	712	80	55	717	81	31
2·5	753	73	85	743	73	91	740	78	738	76	87	739	76	752	83	38	749	82	39	750	82	41	758	81	79	763	86	32
2	802	76	77	792	76	80	788	82	786	79	84	788	79	800	85	43	797	85	45	798	85	55	806	85	93	811	89	32
1·5	853	80	71	842	80	77	838	84	837	81	105	838	79	850	88	47	847	88	53	847	88	61	856	86	109	861	92	33
1	908	82	76	896	84	71	891	87	891	84	96	891	82	902	90	60	900	91	57	900	93	53	910	87	109	915	91	70
0·5	966	85	...	953	88	...	947	89	946	86	97	947	...	958	92	68	956	94	58	955	98	44	966	90	103	971	88	98
Ground	1025	93	58	1012	94	57	1005	94	1005	90	84	1005	91	1016	98	55	1013	88	96	1011	104	37	1025	92	89	1030	92	79

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

552. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS—*continued.* 1932.

Degrees absolute per kiloleo.

Kiloleos.	889	890	891	892	894	895	896	897	899	901
	...	−2	...	...	...	...	...	...	...	...
20 to 21	−2	−1	...	−3	...	...	...	...	...	...
19 to 20	−1	−2	...	0	...	...	...	...	...	...
18 to 19	−1	−1	...	−1	...	...	...	...	...	−3
17 to 18	0	−1	...	0	...	...	...	...	...	−3
16 to 17	−1	−2	...	1	...	...	...	−1	2	−2
15 to 16	−1	−1	...	0	−1	−2	−2	−1	0	−1
14 to 15	−1	−1	...	0	2	0	0	0	0	−1
13 to 14	0	−1	...	0	−2	1	0	0	2	2
12 to 13	−3	−6	−5	0	−3	−1	−1	−4	4	4
11 to 12	0	3	−1	−3	−2	4	1	4	8	9
10 to 11	7	7	7	5	4	6	8	7	8	8
9 to 10	7	9	9	8	9	6	7	8	9	8
8 to 9	8	8	7	7	9	7	7	7	8	8
7 to 8	7	8	6	8	6	8	7	7	8	8
6 to 7	8	7	7	7	6	8	8	7	7	7
5 to 6	7	7	7	6	8	9	8	9	6	4
4 to 5	5	7	4	7	5	8	7	7	5	6
3 to 4	3	5	6	5	5	7	8	7	7	8
2·5 to 3	7	−3	5	3	5	6	7	6	2	10
2 to 2·5	7	6	8	5	6	4	6	6	7	6
1·5 to 2	7	8	5	4	1	6	5	6	4	5
1 to 1·5	3	7	5	6	6	5	7	10	1	−2
0·5 to 1	8	9	4	4	} 9	4	5	10	6	−4
Gd. to 0·5	15	11	10	8	}	11	−10	11	4	8

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree.

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.	902.	903.	904.	905.	906.	907.	908.	909.	910.
Date.	Sept. 24.	Oct. 12.	Oct. 13.	Oct. 13.	Nov. 9.	Nov. 10.	Nov. 10.	Dec. 14.	Dec. 15.
Station.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start. (G.M.T.)	15h. 03m.	17h. 40m.	6h. 55m.	12h. 40m.	17h. 40m.	7h. 50m.	17h. 40m.	17h. 50m.	7h. 30m.

550. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES.—*continued.* 1932.

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.*	*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	...	...	...	15·70	16	...	15·91	25	...	...	...	...	15·70	19	...	15·75	19	...	15·80	15	...	15·66	15	...	15·71	16	...
200	...	...	...	11·37	17	...	11·40	30	...	11·29	30	56	11·35	19	...	11·41	19	43	11·51	17	...	11·37	14	...	11·50	6	...
300	9·03	31	16	8·85	24	90	8·68	36	49	8·60	32	64	8·81	22	57	8·84	22	46	8·95	24	25	8·84	24	41	9·00	25	79
400	7·07	46	15	6·93	40	95	6·73	37	59	6·69	32	79	6·91	36	60	6·96	35	51	7·05	38	25	6·95	33	46	7·07	42	81
500	5·45	58	16	5·35	51	100	5·19	42	85	5·18	41	83	5·37	47	55	5·41	47	66	5·47	52	31	5·42	46	47	5·47	53	88
600	4·07	68	18	4·02	60	105	3·89	53	91	3·89	52	79	4·05	57	38	4·09	57	66	4·15	57	43	4·11	57	33	4·13	61	94
700	2·87	75	22	2·85	67	96	2·75	62	102	2·75	61	104	2·89	64	51	2·94	64	107	2·99	66	51	2·95	65	52	2·95	67	98
800	1·81	78	35	1·82	72	111	1·73	69	85	1·73	67	118	1·87	66	94	1·93	69	105	1·96	70	109	1·92	69	110	1·91	73	89
900	·87	81	94	·89	78	87	·81	75	90	·81	74	94	·97	73	67	1·01	74	88	1·03	76	88	·99	76	84	·97	75	62
1000	·01	...	...	·04	...	...	...	...	...	...	...	...	·13	...	...	·17	79	91	·19	...	...	·15	...	...	·13	...	...

551. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN GEOPOTENTIALS.—*continued.* 1932.

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.*	*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 +	%
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	50	12	...
19	...	...	...	...	...	...	62	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58	10	...
18	...	...	...	...	...	...	72	24	...	...	...	...	...	...	...	...	...	...	...	...	...	68	10	...	69	13	...
17	...	...	...	81	17	...	85	24	...	...	...	...	81	18	...	82	20	...	82	16	...	80	11	...	81	14	...
16	...	...	...	95	17	...	99	25	...	...	...	...	95	18	...	96	19	...	97	14	...	95	15	...	95	16	...
15	...	...	...	112	17	...	115	25	...	...	...	...	112	18	...	113	18	...	114	15	...	111	16	...	112	16	...
14	...	...	...	131	18	...	134	27	...	131	24	...	131	19	...	132	19	...	134	16	...	131	17	...	132	15	...
13	...	...	...	154	18	...	157	27	...	154	26	...	154	19	...	155	19	...	157	15	...	153	17	...	155	11	...
12	...	...	...	181	18	...	185	29	...	180	28	...	181	19	...	182	19	...	185	15	...	181	15	...	184	6	...
11	...	...	...	213	15	...	212	31	...	209	30	...	212	18	...	213	20	44	217	19	...	212	14	...	217	8	...
10	259	23	16	250	15	...	247	34	46	243	32	59	248	17	...	250	20	45	255	17	...	250	16	...	256	17	...
9	302	31	16	293	23	...	286	35	48	282	32	62	291	21	57	293	21	46	298	24	25	292	22	...	300	25	79
8	350	39	15	341	32	92	331	37	51	328	33	68	340	27	58	342	27	48	348	31	25	342	29	42	349	34	80
7	404	46	15	396	40	95	384	37	57	382	31	76	395	35	60	397	35	51	403	38	25	397	33	46	403	42	81
6	465	54	15	457	47	97	444	38	73	443	34	83	457	43	60	460	42	57	465	48	28	461	41	49	464	49	85
5	532	62	16	525	54	101	513	44	85	512	42	83	526	50	48	530	50	67	534	53	34	531	50	44	534	56	91
4	606	68	18	601	60	105	591	53	92	590	51	80	604	58	38	608	58	69	611	58	46	608	58	34	609	62	96
3	689	74	22	686	67	106	676	60	102	677	59	90	690	64	47	695	64	107	699	66	51	695	65	50	695	67	98
2·5	734	76	24	732	68	90	723	64	97	723	63	116	737	65	110	742	65	106	746	68	81	742	68	87	741	69	97
2	782	78	31	781	70	114	772	67	85	772	66	118	787	66	98	792	68	105	796	69	110	791	70	108	790	72	91
1·5	832	79	50	832	74	103	824	71	90	824	69	116	840	69	79	845	71	103	848	73	99	844	72	105	842	74	69
1	886	80	92	887	77	91	878	74	93	879	73	102	896	72	67	901	74	88	905	76	85	899	76	84	897	75	61
0·5	942	84	80	944	80	83	936	77	86	937	77	85	954	76	71	960	77	85	963	...	...	958	81	77	956	78	63
Ground.	1000	89	69	1004	85	79	995	80	82	996	83	69	1015	79	93	1021	78	94	1024	80	93	1018	80	86	1016	81	68

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

552. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS.—*continued.* 1932.

Degrees absolute per kiloleo.

Kiloleos.									
	...	...	...	...	...	...	...	...	...
20 to 21	...	...	...	...	...	...	...	...	...
19 to 20	...	...	...	...	...	...	...	...	−2
18 to 19	...	...	−1	...	...	...	...	...	3
17 to 18	...	...	0	...	...	...	...	1	1
16 to 17	...	0	1	...	0	−1	−2	4	2
15 to 16	...	0	0	...	0	−1	1	1	0
14 to 15	...	1	2	...	1	1	1	1	−1
13 to 14	...	0	0	2	0	0	−1	0	−4
12 to 13	...	0	2	2	−1	0	−1	−2	−5
11 to 12	...	−3	2	2	0	1	4	−1	2
10 to 11	...	0	3	2	−1	0	−2	2	8
9 to 10	8	8	1	0	4	1	7	6	9
8 to 9	8	9	2	1	6	6	7	7	9
7 to 8	7	8	0	−1	8	8	7	4	8
6 to 7	8	7	1	3	8	7	10	8	7
5 to 6	8	7	6	8	7	8	5	9	7
4 to 5	6	6	9	9	8	8	5	8	6
3 to 4	6	7	7	8	6	6	8	7	5
2·5 to 3	4	2	8	7	2	3	4	6	4
2 to 2·5	4	5	7	6	1	7	3	3	6
1·5 to 2	1	7	6	7	7	5	7	5	4
1 to 1·5	2	6	6	7	7	7	6	8	2
0·5 to 1	9	6	7	9	7	6	4	9	5
Gd. to ·05	10	10	6	12	6	2		0	8

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree.

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