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Air Ministry METEOROLOGICAL OFFICE

OBSERVATORIES' YEAR BOOK

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

Published by the authority of the METEOROLOGICAL COMMITTEE

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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	Ι	• •	• •			The Weekly Weather Report.
Part	II	• •		• •		The Monthly Weather Report.
Part	III,	Section	Ι	••	••.	Daily Readings at Meteorological stations of the First and Second Orders.
		Section	II .	••	.••	Geophysical Journal, Daily Values of Meteorological and Geophysical Ele- ments.
Part	IV,	Section	Ι	••	••	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 The Monthly Weather Report	• •	••	Part I Part II.				
The Observatories' Year Book		. • •	Part III, Section II. Part IV, Section I.*				
The Réseau Mondial		• •	Part IV, Section II. Part V.				

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

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

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

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

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P. 174 Year Boo P. 196 Year Boo	ok, 1923. Table 247.—October 8th at 7 h. For 1132 read 1032.		
Year Boo	ok, 1932. P. 176; 1933. P. 177; 1934. P. 178.		
Ti	he factor $\frac{180 \times 60}{\pi}$ should be inverted in the first two equations on these pages; the misprint is	confined	to these
	and no consequential errors are involved.		
Year Boo Eskdal	ok, 1933. lemuir, Terrestrial Magnetic Force, Vertical Component.		
A:	fter the data had been published it was discovered that there had been an accidental reversal of	f the cha	rt for the
period Ti	January 11 d. 10 h. 36 m. to 13 d. 10 h. 25 m. he period was a very quiet one and only small errors in the hourly values are involved.		
Th Ja	ne only data appreciably affected are:— (a) P. 272. Table 325.—The quiet day inequalities, which should read as follows:— an. 0.0, -1.0 , -0.9 , -1.2 , -1.6 , -1.8 , -1.7 , -1.6 , -1.6 , -1.8 , -1.3 , -1.6 , -1.0 , -1.0	+1·0, +2	·9, +2·2,
+	1·8, +1·0, +1·1, +1·2, +1·6, +2·4, +1·1, +0·8. (b) P. 247. Table 272. The following are the correct values:—		
	Date Max. V Min. Range HRH + V	VR _v	
	11 14 35 917 910 8 38 7 69 12 15 14 915 910 7 45 5 52 The range on the 12th is the smallest of the month.	, 01	W. W.
Year Book P. 59.	k, 1934. Table 12.—Horizontal Force, heading for minimum. For 4000+ read 14000+.	6	Ny y
P. 184. P. 193.	Date Max. Min. Range $\frac{HR_H + V}{1000000000000000000000000000000000000$, 00	
P. 357.	Table B.—Heading. For mb. read °A. Last formula. For $f(u) = \left[\frac{2u}{1+u^2}\right]$ read $f(u) = \left[\frac{2u}{1+u^2}\right]^2$		
VARIO	METER (LERWICK) OF A LEVA VICE VICE VICE	•	
▼ F1 F 10	METER (LERWICK) SCALEVALUE FOR WHOLE YEAR		

FOR 0.95 mm READ 0.97 mm (SEE ERATA 1962 0.Y.B).

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		Lati	itude.	Longitude.	G.M.T. of Local Mean Noon.	Height above M.S.L.
Lerwick, Shetland Isles	••	60	8 N.	° ,	h m 12 5	metres 81.7
Aberdeen	••	57	10 N.	2 6 W.	12. 8	24.1†
Eskdalemuir, Dumfries-shire		55	19 N.	3 12 W.	12 13	242.0
Valentia Observatory, Cahirciveen, Kerry.	Co.	51	56 N.	10 15 W.	12 41	9.1
Kew Observatory, Richmond, Surrey	••	51 2	28 N.	o 19 W.	12 I	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.

NORMAL VALUES AND MONTHLY SUMMARIES.

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

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

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

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

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

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

[†] The site of the rain-gauge was altered on 1st June 1928 to a height of 11.4 metres and on 1st April 1933 to a height of 24.1 metres.

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

GENERAL INTRODUCTION TO THE METEOROLOGICAL TABLES.

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

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

Notes on the Instruments and Tabulation of the Records.

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

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

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

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

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

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

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

 $\sqrt{0}$

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

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

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

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

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

Two alternative methods of reading the curves have been adopted.

- (a) At Kew the scale is set by the base-line and after hourly readings have been obtained for the whole record comparisons are made with the control readings. The residual correction so determined (normally the same for the whole record of 48 hours) is applied to the tabulations.
- (b) At Aberdeen, Eskdalemuir and Valentia, the practice is to adjust the glass scale so that the readings at the control hours on the trace are made to show general agreement with the corresponding eye-readings of the standard thermometers. The temperature equivalent of any part of the curve can then be read off. The base-line photographed on the record serves as a useful check.

^{*}At Valentia and Kew the rule is to apply the same correction for the whole chart.

[†] At Eskdalemuir the screen stands in the open.

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

The collecting funnel of the Beckley rain-gauge has an area of approximately 100 square inches. Each gauge stands on level ground and its distance from every other object is greater than twice the height of the object. The height of the rim of the Beckley rain-gauge above the surface of the surrounding ground varies from 0.4 m. to 0.6 m. at the different observatories. Details are given at the head of the tables of hourly values. A check gauge with funnel 8 inches in diameter is installed near by.

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

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

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

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

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

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

Average values of the quantity $100 \times \frac{Speed\ by\ pressure\ tube\ anemometer}{Speed\ by\ cup\ anemograph}$ at the three observatories, arranged according to the direction of the wind.

Wind Direct-			Valen-	77.		Wind Direct-			Valen-	77.	
ion in degrees	Aber		tia.	Ke		ion in degrees	Aber		tia.	Ke	
from North.	(to 1929)	1935	(to 1931)	1926-30	1931	from North.	(to 1929)	1935	(to 1931)	1926-30	1931
10	131	110	103	99	114	190	138	120	137	96	107
20	132	IIO	103	100	113	200	132	120	134	99	107
30	130	IIO	104	103	114	210	124	IIO	128	99	104
40	117	90	103	103	IIO	220	115	105	115	100	104
50	115	90	104	104	109	230	108	110	102	100	104
6o	115	85	105	99	103	240	110	110	90	100	103
	119	8ŏ	105	99	102	250	112	IIO	88	101	106
70 80	113	85	104	97	99	260	114	130	85	IOI	107
90	110	65	102	IOI	103	270	128	120	82	101	108
100	126	65	98	104	106	280	124	110	81	103	III
110	121	85	97	102	103	290	110	100	83	101	III
120	118	95	98	100	102	300	99	90	88	96	108
130	118	100	100	104	105	310	100	IÓO	92	93	103
140	125	105	103	102	105	320	108	105	95	96	107
150	128	120	107	98	102	330	111	110	97	99	115
160	137	130	114	92	99	340	120	IIO	98	98	116
170	133	130	123	92	103	350	138	100	99	103	119
180	135	135	134	95	106	360	135	100	102	104	122

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

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

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

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

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

Notes on the Tables.

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

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

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

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

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

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

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

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

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

^{*} See Note, p. 19.

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

Density of Mercury=13.5955 grams per cc. at o°C.

Intensity of Gravity at Sea Level (Lat. 45°) = 980.617 centimetres per second per second.

I inch=25.4000 millimetres.

Hence a pressure of 1000 millibars corresponds with a reading of 750.076 millimetres on a mercury barometer at temperature 0°C. in Lat. 45° and is equivalent to 29.5306 inches under standard conditions of temperature (mercury at freezing point, scale at 62° F.) in Lat. 45°.

The true pressure in millibars can only be obtained from the reading of a barometer after the latter has been suitably corrected for (a) index error, (b) temperature, and (c) gravity.

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

```
g_{z,\lambda}/g_{0,45^{\circ}} = (1-0.00259 \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 \lambda = 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

 $\log_e(P/p) = gz (1-3 \overline{w}/8p)/K\overline{T}$.

z=height of station in centimetres.

e=base of Napierian logarithms.

K=gas constant for dry air=109/348.4 C.G.S. units.*

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

w=mean value of water vapour pressure in the column.

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

 $g = 980.617 (1 - 0.00259 \cos 2\lambda).$

The factor $(\mathbf{1}-3 \ \overline{w}/8p)$ 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 \overline{T} at each observatory differs inappreciably from the value of air temperature at the observatory, except in the case of Eskdalemuir (see Introduction to Eskdalemuir section for details).

^{*} This value depends on a coefficient of expansion of dry air of 1/273 and on the density of dry air at pressure 1013.23 mb. and temperature 273°A, viz., 1293.052 g/m³.

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

The scheme for correcting barometer readings outlined above was introduced for Eskdalemuir at the beginning of 1927. For the other observatories, it has come into effect as from 1st January, 1928. The effects of the introduction of the scheme on the tabulated values are briefly referred to in the several introductions to the individual sections. Only at Eskdalemuir are they at all appreciable.

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

sea level are also given.

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

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

 $5.709 \times 10^{-5} (t+0.1)^4 \text{erg/(cm.}^2 \text{ sec.)}$; or $5.717 \times 10^{-5} t^4 \text{erg/(cm.}^2 \text{sec.)}$

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 thermographs; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. There is also a table showing the daily extremes of temperature.

Humidity.—When the temperature of the wet bulb is above 273°A, values of relative humidity at exact hours are deduced from the corresponding values of dry and wet bulb temperatures obtained from tabulations of the photographic thermographs, complete saturation being taken as 100. Until the end of the year 1925 the reduction was effected from tables based on Glaisher's hygrometric factors, but from 1st January, 1926, tables have been employed which proceed from Regnault's formula x = f - Ap (t - t'),

where x = vapour pressure under the conditions of observation.

f = saturation/vapour pressure at the temperature (t') of the wet bulb.

p = pressure of the air. t = temperature of the dry bulb in absolute (Centigrade) degrees.

t' = temperature of the wet bulb in the same units.

A = a constant.

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

^{*} A. L. Day and R. B. Sosman, Dictionary of Applied Physics. Macmillan, London, 1922. Vol. I.

[†] The constant 5.709 is the value which has been adopted by the International Research Council for publication in the "International Critical Tables."

[‡] Glaisher's Hygrometical Tables, 7th edition, London, 1885. § These tables give values which are in almost exact agreement with those given by Hygrometric Tables published by the Meteorological Office in 1924 (M.O. 265) for general use at second and third order stations. The latter tables are not suited to the purposes of this Year Book, because in them temperature is expressed in Fahrenheit degrees, whereas the absolute Centigrade scale of temperature is used at the observatories.

No allowance for variation of pressure p is made and the standard value used in Jelinek's tables, *i.e.*, 755 mm. of mercury (1006.57 mb.), is adhered to. Similarly no allowance is made in the adopted value of the constant "A" for the speed of the air flowing past the wet bulb, though it is well known that "A" is not independent of the ventilation. "A" is regarded as fixed and equal to .0008. In view of the well-marked diurnal variation of wind-speed, the diurnal variation of humidity, derived in this manner, is subject to slight modification.

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

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

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

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

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

Rainfall.—Tables are given showing for the 60-minute intervals between exact hours† the amount of precipitation, expressed in millimetres, derived from the record of the Beckley gauge (see p. 13). Totals of amount are given for each day, and for each month; the latter totals referring both to the complete days of the month, and to each of the hours of the day. When zero rainfall is assigned to a particular hour, the entry appears as "...". Corresponding totals of durations of rainfall are also given, the duration being regarded as the number of hours during which rain falls at a rate of not less than oi 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 in 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 (i) are allocated evenly among the hours concerned in such a way that their sum is equal to the aggregate fall during the period, and the

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

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

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

Annual totals of hourly amounts and duration and notes on special features of

the rainfall of the year are also given.

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

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

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

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

Wind.—Tables are printed giving the hourly values of wind speed and direction, together with the mean speed for each day, each hour, and for the month and year. Values of speed are expressed in metres per second (1 metre per second=2.2369 miles per hour): those of direction are given in degrees from true north. The values of direction and speed are averages for periods of sixty minutes, between the exact hours of Greenwich Mean Time. They are obtained by estimation from the records with the aid of a transparent scale, with engraved graduations corresponding with the velocity, direction and time scales of the record.

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

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

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

as equivalent to 0.5 m/s for the purpose of evaluating the daily mean velocity. In other cases of lost record, estimated values are entered within brackets wherever possible.

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

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

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

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

Cirrus						Ci.			
						Cicu.			
Cirrocumulus	•••	• • •	•••	· • • •	• • •				
Cirrostratus	• • •	• • •		•••		Cist.			
Altocumulus	•••		• • •	•••	• • •	Acu.			
Altostratus	•••	• • •			•••	Ast.			
Stratocumulus	• • •				•••	Stcu.			
Stratus	•••	• • •		•••		St.			
Nimbostratus	•••					Nbst.			
Cumulus	• • •	•••				Cu.			
Cumulonimbus	•••		•••		• • •	Cunb.			
Fracto (prefix a	ıs in fr	actosti	ratus)			Fr.			
Cumuliformis (a						Cuf.			
Lenticularis (as in altocumulus lenticularis)									
Mammatus (as in cumulus mammatus)									
					•••	Mam.			
Castellatus (as	in alto	cumuli	is caste	ellatus)		Cast.			

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

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

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

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

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

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

Indication Letter	Standard Distance	Verbal	BEAUFORT	LETTERS.	
of Object.	of Object.	Description.	Detailed Scale.	Contracted Scale.	
(X)	Metres.	Demon for	8 f)	
. A	25	Dense fog	7 f	F	
В	50	This to	6 f	r	
c	100	Thick fog	5 f	J	
D	200	Fog	4 f	} f	
E	500	Moderate fog	3 f	} '	
F	1,000	Mist, haze or very poor visibility	m or z	m or z.	
G	2,000	Poor visibility	1		
Н	4,000	NF- 3 4 1 11 11 4	m _o or z _o	m_o or z_o	
I	7,000	Moderate visibility]		
J	10,000	Good visibility			
K	20,000	¥7 3 - 2 - 11 - 212A			
L	30,000	Very good visibility			
M	50,000	Excellent visibility			

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

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

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

^{*} Not used in this Year Book.

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

```
blue sky, whether with clear or hazy
                                                                   rain.
b
                                                                   ice crystals in the air.
           atmosphere.
         cloudy, i.e., detached opening clouds.
                                                                   snow.
C
         overcast, i.e., the whole sky covered with
                                                                   sleet.
                                                          rs
                                                              *
0
                                                                   drift snow.
            one impervious cloud.
                                                                                   (More than half the
                                                                   snow lying.
         gloomy.
g
                                                                     surrounding country covered with
u
         ugly, threatening.
         visibility, abnormal transparency of atmosphere.
V
                                                                   hail.
z
                                                                   soft hail.
         mist, light fog.*
                                                               Δ
m
                                                               T
                                                                   thunder.
         fog.*
                                                               Š
                                                                   lightning.
fe
         wet fog, i.e., fog which deposits water
                                                          1
                                                          tlr
                                                               K
                                                                   thunderstorm.
            copiously on exposed surfaces.
                                                                   gale.
         dew.
                                                                   squalls.
         hoar frost.
                                                          q
                                                               Φ
                                                                   solar corona.
         rime.
                                                                   solar halo.
         glazed frost.
                                                               Ŵ
                                                                   lunar corona.
          water deposited copiously on exposed
                                                                   lunar halo.
            surfaces, without rain falling.
                                                                   rainbow.
         dry air. (Relative humidity less than 60
y
                                                                   aurora.
            per cent.)
                                                              巫
                                                                   zodiacal light.
         passing showers.
                                                              mirage.
         drizzling rain.
```

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

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

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

The figure 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.

Up to 1931 the gale symbol was used in this publication to indicate that the wind as recorded by the anemometer averaged at least 17.2 m/s for one or more "centred" hours. At Kew Observatory the symbol has been used with the word gust in brackets to indicate the occurrence of gusts reaching 17.2 m/s.

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

Aberdeen	Eskdalemuir	Valentia	\mathbf{Kew}
17.2	17.2	17.2	18.8 m/s.

Note on the Computation of the Correction for Non-cyclic change.

The non-cyclic change is the average increase from one midnight to the next. If, as in the case of barometric pressure, curves are read at each hour G.M.T. and tabulated under the headings oh, $1h\cdots 23h$, 24h, and the means for each of the hours in a calendar month are taken out, the mean for oh, 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 \overline{x} be the mean value for the whole 24 hours. In the case under consideration the value of \overline{x} is

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

 $x_n - \overline{x}$ 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

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

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

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

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

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

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

Air Ministry METEOROLOGICAL OFFICE

OBSERVATORIES' YEAR BOOK 1935

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

LERWICK

Published by the authority of the METEOROLOGICAL COMMITTEE



LONDON
HIS MAJESTY'S STATIONERY OFFICE
1937

LERWICK OBSERVATORY

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. instruments, which are described below, consist of magnetographs recording magnetic declination and horizontal and vertical force. More recently subsidiary magnetographs recording the same elements have been installed in one of the adjacent non-magnetic huts; the records obtained therefrom are used to cover lacunæ in the standard traces or for special investigations.

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

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

SITE

The Observatory is situated on a ridge of high ground about a mile and a half (2.4 km.) to the south-west of Lerwick and adjoins the main road between Lerwick and Scalloway. The site slopes upward from west-north-west to east-south-east, the average height above M.S.L. being about 280 feet (85 metres). The ground to the east and south-east rises slightly for about \frac{1}{4} mile (.4 km.) then slopes sharply down to the sea. In other directions there is a downward slope for about \frac{1}{4} mile extending to the Loch of Trebister on the south-west, Sandy Loch to north-west, and to the Burn of Sound to north-north-west; beyond these and distant about \frac{3}{4} mile (1.2 km.) from the Observatory are small hills - Munger Hill to the south is about 320 feet (97 metres) above M.S.L., Shurton Hill to west-north-west rises to 576 feet (176 metres), and Stony Hill to the north to about 400 feet (122 metres). In clear weather it is possible to see the Outer Skerries, 25½ miles (41 km.) north-east by north, and Sumburgh Head, 20 miles (32 km.) south by west; the horizon in other directions is limited to a few miles.

The average depth of soil in the vicinity is about a foot, and outcrops of sandstone occur in many places. The surrounding country is barren and desolate, the vegetation being chiefly coarse grass, stunted heather and moss, with occasional patches of bare black peat. The Observatory ground is of a very uneven nature and owing to lack of proper drainage is frequently waterlogged. Views of the station and a map of the surrounding country are shown in Figs. 1, 2 and 4 and the arrangement of buildings and situation of instruments are set out on a site plan in Fig. 3.

ATMOSPHERIC ELECTRICITY

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

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

The collectors are of polonium deposited on a copper rod, about 4 cm. long by 0.5 cm. diameter; these are recoated periodically by arrangement with the Government Chemist, and a fresh collector is brought into use on the first day of each quarter. The collector is screwed into the end of a tube which projects about 120 cm. through a window in the north-west wall, at 190 cm. from the corner of the building and 476 cm. above ground. The inner end of the tube passes through a hole in a wooden box in which it is supported horizontally by two metal rods embedded in sulphur. A number of small 2-volt electric bulbs are kept burning inside the box in order to improve the insulation of the supports for the collector rod during wet weather, and a similar bulb is placed inside the case of the electrometer. The rod is connected to the base of the acid pot of the Benndorf electrometer by a fine wire.

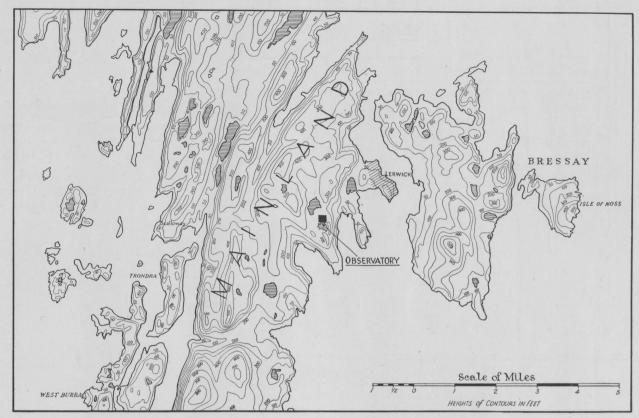


Fig. 1.—Contoured map of surroundings of lerwick observatory.



Fig. 2.—General view of observatory from S.

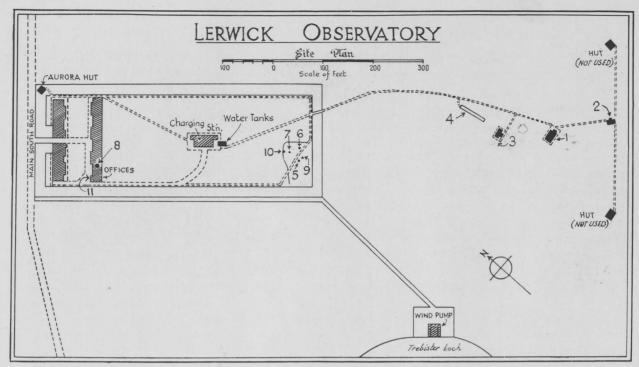


FIG. 3.—SITE PLAN.



Fig. 4.—View from N.W. showing instrument enclosure, huts and site for potential gradient observations.

- I.—MAGNETOGRAPH HOUSE.
- 3.—Absolute magnetic hut. 5.—Stevenson screen.
- 7.—HYETOGRAPH.
- 9.—Sunshine recorder.
- II.—ELECTROGRAPH.

- 2.—Supplementary magnetograph hut.
- 4.—Site for absolute potential gradient observations.
- 6.—RAIN GAUGE.
- 8.—Dines pressure tube anemometer.
- 10.—THEODOLITE PILLAR.

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

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

Combined tests of the insulation of the system and scale value of the record are made daily, the procedure being to remove the collector and to charge the needle, which is connected to a Wulf electrometer. The rate of leak is obtained for a period of 4 minutes with a positive charge and for the same interval with a negative charge. Considering the climatic difficulties the behaviour of the instrument in the matter of insulation has been very satis-The rate of leak has been in general small, the average during 1935 being such that the instrument would lose half its potential in 46 minutes. It has been found that the scale value remains reasonably steady and may, for all practical purposes, be taken as constant across the full width of the sheet. The factor by which the recorded potential must be multiplied for conversion into potential gradient in the open is obtained from absolute measurements above a levelled piece of ground near the old site of the electrograph (see An insulated wire, stretched horizontally between two site plan Fig. 3). stout wooden posts about 9m. apart, carries at its centre a burning fuse exactly 1 metre above the ground. A Wulf electrometer, usually No. 5225 (Gunther & Tegetmeyer, Brunswick), is connected to one end of the wire and twenty to thirty readings are obtained from the electrometer at half-minute intervals. The reduction factor is deduced from the mean of these values and the corresponding mean potential at the collector as recorded by the Benndorf electrograph. Smoothed monthly means of the factors so obtained are employed in reduction of the records. The calibration of the Wulf Electrometers is checked periodically, using a Gambrell potentiometer and st andard cells. There was no change in any essential part of the apparatus or in the observational technique throughout the year 1935.

	Monthly	scale	values	and	exposure	factors,	together	with date	a relating t	to
rate	of leak,	are	shown ir	1 the	e following	ng table:	•			

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Mean value of - d loge V dt	-017	-016	-014	-013	-012	-016	·016	-016	-018	-017	-015	-015	-015
No. of days used in mean.	18	14	16	15	15	18	19	20	18	20	20	17	210
Highest - d loge V	-021	-019	-022	-019	-017	-023	•029	-023	•023	•020	-021	-021	
Lowest - d log _e V	-013	-013	-010	-009	-009	-009	-011	-013	-014	•013	-007	-009	
Scale value (v/mm.)	24.2	24.2	23-9	24-0	24.2	24.5	24.0	24 • 1	24-2	24.0	24.1	24.0	24-1
Mean exposure factor	1.27	1.27	1-26	1.28	1.28	1.32	1.33	1.31	1-27	1-27	1.28	1-26	1-28
Applied Exposure Factor	1.27	1-27	1.27	1.27	1-29	1.31	1.32	1.31	,1·28	1.27	1.27	1-26	
No. of Determinations of Exposure Factor	7	4	6	8	9	13	11	8.	8	7	5	7	93

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

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

$$If \frac{dV}{dt} = - K_1 V$$
and
$$\frac{d(V_0 - V)}{dt} = K_c (V_0 - V)$$

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 $V_0 K_c/(K_1 + K_c)$.

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

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

In the mean for the years 1927-33 the exposure factor shows a maximum of 1.33 in June and a minimum of 1.25 in January with secondary maximum of 1.32 in September and secondary minimum of 1.28 in August. In individual years however the variations are somewhat irregular. The vegetation in the vicinity of the site for the absolute observations changes very slightly throughout the year and the grass on the site itself is kept short. A larger contribution to the variations of the factor is probably made by a combination of effects due to pecularities of the electrograph site and wind direction. In this connection the following table shows the mean values of the exposure factor for 1927-33 summarized according to wind direction:-

	Calm	N	NE	E	SE	S	SW	W	NW	1927-33
Mean Factor	1.32	1.31	1.31	1.26	1.26	1.33	1.31	1.30	1.27	1.30

Relatively high values of the factor are on the average associated with winds from north and north-east, south and south-west and with calms. The courtyard is open at the north-east and south-west sides and the electrograph is situated near the open south-west side. The exposure in other directions is obstructed by buildings, and the depression of the factor, resulting from the higher potential of the collector when shielded from the wind, would be in agreement with R.A. Watson's conclusion that potential gradient is inversely dependent upon wind speed. (Geophysical Memoir No. 38).

On 28th June, 4th July, and 12th September, 1928, measurements were made of potential gradient above fairly smooth ground near sea level. The determinations on the two earlier dates were taken at the Point of Trebister, $2\frac{1}{4}$ km. south-south-east of the Observatory, those on the third near the Sands of Sound, 1 km. to the east. In all, ten series of observations were obtained. The mean electrograph exposure factor computed therefrom works out at 1.36, a value in close agreement with the standard determinations.

IDENTIFICATION NUMBERS OF INSTRUMENTS USED IN 1935.

				, Vienna)				108
Wulf	bifilar	electrometer	(Günther	& Tegetmeyer,	Brunswick)	• •	• •	5225
Ħ	it	11	11	. 11				2965

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

- O, denotes a day during which, from midnight to midnight, no negative potential was recorded.
- 1, denotes a day with excursions to the negative not amounting in the aggregate to more than three hours.
- 2, denotes a day with negative potential amounting in the aggregate to more than three hours.
- a, denotes that the range of potential gradient in the open did not exceed 1,000 volts in any of 24 hourly periods of the day.
- b, denotes that this range was exceeded in at least one, but in fewer than six, of these periods.

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

The character figures so assigned are given in Table 4.

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

In the year 1935 there were 46.5 hours more negative potential gradient than in 1934, and three fewer days on which negative gradients occurred. The daily mean duration of negative gradient was thus 1.80 hours, against 1.66 for 1934, 1.32 for 1933, 1.53 for 1932, 1.52 for 1931, 1.55 for 1930, 1.55 for 1929 and 1.63 for 1928. In each year the month-to-month variations of mean duration of negative gradient and of mean electric character figure show a close relationship to the variations in rainfall.

Curves are read by use of a mean value glass scale graduated in millimetres, the tabulated values being 60 minute means between exact hours G.M.T. The ordinates are converted into volts per metre in the open by multiplying by the product of the appropriate scale value and reduction factor. Values are assigned for the hours ending at 3h, 9h, 15h and 2lh, 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 2lh are given in Table 1; estimated values, enclosed within brackets, are given in cases where the record was in some manner defective; a dash is entered against hours for which no value can be given with any degree of assurance. Two sets of mean values are given:— "a" The means of all positive values; hours when the trace passed off the top of the sheet are included in obtaining these means, the upper limit of registration being taken as the value for the period not recorded. "b" The means for all days on which all four hours were completely recorded or could be estimated.

In all months the general "a" mean from the four selected hours exceeds the "b" mean, the difference over the year as a whole amounting to 23 v/m. In seven months the means from the Oadays are greater than the "a" means; over the year as a whole the Oa day mean is 6 v/m greater than the "a" mean. The

annual mean daily values derived in these three ways for the nine years 1927-1935 during which the electrograph has been in the same position are:-

			0a	"a"	uPu
1927	• • .	••	213 v/m	179 v/m	160 v/m
1928	• •	• •	166 v/m	156 v/m	134 v/m
1929	••	• •	162 v/m	161 v/m	133 v/m
1930	• •	• •	181 v/m	175 v/m	158 v/m
1931		• •	161 v/m	163 v/m	147 v/m
1932	• •	• •	159 v/m	159 v/m	141 v/m
1933	• •	• •	168 v/m	170 v/m	152 v/m
1934	• •		188 v/m	182 v/m	159 v/m
1935	•. •	• •	165 v/m	165 v/m	142 v/m

It is a defect of the Benndorf recorder that even with such a high scale value as 24 v/mm the width of the sheet is frequently exceeded during oscillatory movements. In 1935 there were 99 days on which the electrometer needle went beyond the limits of registration on the positive side and 151 on the negative side; these occasions were mainly when precipitation was falling on the collector. The greatest number of extreme positive excursions were associated with snow or sleet showers and were almost invariably only momentary.

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

Positive. August 19d 23h.

C

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

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

- (1) March 30d 22h 45m to 3ld 8h 35m. Negative for all but 3 mins. Mean gradient < -685 v/m. Continuous moderate rain.
- (2) Apr. 23d 2h 25m to 13h 40m. Negative for all but 20 mins. Mean gradient < -668 v/m. Continuous slight rain.
- (3) May 15d 4h 15m to 9h 57m. Negative throughout. Mean gradient < -658 v/m. Continuous slight rain.
- (4) August 25d 23h 45m to 26d 7h 45m. Negative for all but 6 mins. Mean gradient < -783 v/m. Continuous moderate rain.
- (5) Oct. ld 6h 45m to 14h 15m. Negative for all but 7 mins. Mean gradient < -637 v/m. Continuous slight rain.
- (6) Oct. 5d 6h 0m to 15h 5m. Negative throughout. Mean gradient < -510 v/m. Continuous moderate rain.
- (7) Nov. 23d 22h Om to 24d 5h 30m. Negative for all but 4 mins. Mean gradient < -719 v/m. Continuous slight rain.

Notable spells of high potential were:-

```
June 22d 14h to 21h.
                           Mean Gradient 579 v/m. moderate fog.
    June 24d 14h to 24h.
                                    Ħ
                                          570 v/m.
                                          647 v/m. thick
         25d 9h to 24h.
(3)
                              11
         29d 16h to 30d 3h.
                                          541 v/m. slight
(4)
    July 2d 5h to 12h.
                              Ħ
                                          665 v/m. moderate
         13d
             7h to 17h.
                                          592 v/m. thick
```

There were 75 days on which there occurred apparent changes of potential gradient from the limit of the sheet on the positive side to the limit on the negative side, at least once within an interval of 60 minutes. If these changes were real and not due to charges given to the collector rod by precipitation, they connote a range exceeding 3100 v/m within anhour. 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 Oa 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 la and 2a days together are given in Table 3.

The annual mean diurnal variation for Oa days during 1935 has a minimum at 3-4h and a maximum at 16h. The 12-hour component is not well marked, though it is clearly seen in the inequalities for equinoxial and summer months. The range is largest and the maximum occurs earliest in winter, the smallest range being in summer.

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

TERRESTRIAL MAGNETISM.

Notes on the Instruments.

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

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

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

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

Scale values of H and V are measured by passing a current through Helmholtz-Gaugain coils placed over the variometers, the resulting deflexions being recorded on the photographic paper. The current is measured by a small milli-ammeter (Weston, No. 55896), which is periodically calibrated It is thought that the scale values adopted are accurate within 1%; these were about 4.2 γ /mm for H and 5.8 γ /mm for V. The scale value of D depends only on the geometry of the system, with a small correction for torsion, and is 0.95/mm.

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

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

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

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

Mean annual values of the P and Q correction have been derived from observations during the period March 1923 to the end of 1935. An accident caused some change to the magnet in March 1923, and values for earlier months have been discarded.

The values during these years are as follows:-

1923 (March-December) -2.40 -30 1.99830 1924 -1.24 -481 99860 1925 -1.17 -892 99820 1926 +1.23 -1727 99893).
1925 -1·17 -892 99820 1926 +1·23 -1727 99893	
1926 +1.23 -1727 99893	
1927 +2.23 -2200 99910	
1928 +0.22 -1412 99858	
19290.54 -969 99855	
19301-21 -853 99821	
19311.04 -911 99826	
1932 +1.37 -1866 99887	
19330.12 -1098 99869	
1934 +2.98 -2397 99940	
1935 +0.67 -1490 99881	

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

During 1935 a small error was found in one of the constants used in computing Q for every year except 1929. The correction of this error increases the numerical value of Q by $16\cdot0$ and reduces $\log_{10}(1 + P/25^2 + Q/25^4)$ by $\cdot000018$; the effect on H and V would be a reduction of $0\cdot3\gamma$ and $0\cdot9\gamma$ respectively for all years up to the end of 1934. The figures in the table above have been corrected.

The mean value of $\log_{10}(1 + P/25^2 + Q/25^4)$ employed in the reduction of

all observations for 1935 was the mean of the values derived up to the end of 1934, namely, $\overline{1} \cdot 99866$. If the 1935 value is added and the correction referred to in the last paragraph applied to all, the mean for the total available period becomes $\overline{1} \cdot 99865$. The adoption of this latter value would reduce all the hourly values, monthly means, etc., as given in the tables by 0.2γ in the case of H and 0.5γ in the case of V.

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

In April 1935, with the kind permission of the Astronomer Royal, the earth inductor which had been in use at Fort Rae during the Polar Year was borrowed again from the Royal Observatory, Greenwich and sent to Lerwick. Comparative series of observations showed that the Greenwich inductor (with the recommended correction of +10.7" added) led to values of V slightly different from those given by the mean of the dip needles, and in July 1935 it was decided to adopt the standard given by the inductor and to determine base line values of V for the earlier part of 1935 by applying a constant correction to the values derived from the dip circle.

As stated in the general remarks, the walls of the magnetograph chamber are of concrete, 76 cm. in thickness. The diurnal variation of temperature within the chamber is, for most days of the year, negligibly small and no corrections for this diurnal variation have been applied to the diurnal inequalities or other data published in this volume. From the magnetograph house temperatures for each day given in the Table's, however, it will be noted that the day-to-day change of temperature is sometimes considerable. The average day-to-day change in degrees absolute over each of the twelve months of 1935 and for the year as a whole was as follows:-

Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Year 0.42 0.49 0.30 0.27 0.45 0.35 0.34 0.28 0.29 0.42 0.27 0.33 0.35

There were 19 occasions on which the change reached or exceeded 1°A.

The results of the absolute determinations of D, I and H are summarized in the subjoined table, and the values of m, the moment of collimator magnet 395LA are also given. It should be noted that the values obtained are affected to an appreciable extent by changes of H between the vibration and deflection experiments. Considerations of space make it necessary to limit observations printed to about two per week, but, as indicated above, absolute observations of D and I are made more frequently. For each set of absolute observations are shown the deduced base line values of H, D and V, and, in brackets, the adopted base line values. Thus, the entry 428 (427) under H signifies: deduced base line value 14,428, adopted base line value 14,427. The adopted values were obtained as described in the foregoing, and therefore the base line values corresponding to dates between those given in the table may be obtained by interpolation.

table on p 21 of the Observatories' Year Book 1938 are 5 y too low. This means that the values originally published are only 1 y too high.

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

erwic	k														193
		Decl	ination		[nclinati	lon	Hor	izontal	Force			Base li (deduced)
ate		Mean Time	D	Mean Time	Instru-	I	Mean Time	H	m	Н	ľ	.])	V	,
	\neg	h. m.	0 / //	h. m.		· ,	h. m.	Y		 	00γ+	0 /	,	 	000
	1	-	-	12 37		72 49 - 5	11 34		1047 • 9	392	(392)	10 57.5	(= 0 . E \	586	•
	8	11 52	13 16 18	10 41	1,2	50.3	12 28 12 16	444 458	7.9	393 390	(394) (386)	12 57.5	(57.5)	605	(60)
	9	14 29	17 15	11 57	1,2	49.0	-	-	-	-	•		(57:3)	580	(59
	1	12 31	18 28 17 39	12 5 11 56	3,4	48-9	13 1 13 1	444	7·8 7·9	408 387	(416) (385)	57·4 57·5		533 501	(53 (51
	L6 L8	12 33 10 57	16 45	10 30	1,2 1,2	50.1	12 9	438	7-4	385	(388)	57.6			(51
	2	14 39	17 17	-		-	12 33	444	7.9	389	(391)	58-1	(57.5)	- E00	/ = 3
	23	10 33	16 37	12 6 10 5	3,4 3,4	49.7	12 53	440	7.7	387	(390)	58.0	(57.5)	500	(51 (51
	29	11 13	15 9	-	-	-	12 3	444	7.7		(378)	57.0		-	
3	30	12 55	22 7	12 24	1,2	50•9	-	-	-	-	-	57.6	(57.5)	473	(49
b,	1	11 47	23 42	_	-	_	12 24	428	7.4	379	(379)		(57-4)	-	-
	2	11 53	18 20	12 30	3,4	50.4		-	-	-	(000)	1	(57-4)	473	(49
	5 6	11 32	15 47	11 53	3,4	50.1	12 33	444	8.3	372	(373)	57.5	(57•4)	487	(48
	8	12 29	18 14	12 2	1,2	50.0	10 45	440	7.7	376	(374)	57.6		486	(48
	L5	12 58	16 18	14 54	3,4	49.7	12 21	441	8.4	385	(381)	57 • 4		475	(49
	L9	11 5 14 41	15 49 21 15	12 30	1,2	49.1	11 54	439	7.8	386	(386)	57·2 57·6		483	(49
	22	11 37	14 29	12 15	3,4	49.7	10 31	428	8-2	386	(388)	57.4	(57.4)		(49
	26	11 53	19 6		,-,	50.3	12 31	425	8.4	378	(373)	57·1 57·4	1	473	145
Z	27	11 44	15 57	12 18	1,4	50.3	-		•	_				i .	
	1	11 39	21 12	12 16	1,4	52.1	10 41	428	8.2		(378)		(57·5)		(48
	5	11 35	16 32	11 45	1,4	50.5	12 21	433	7.9	380	(383)	51.2	(57.5)	491	(48
	8	11 50	15 32	12 23	1,3	49.8	11 1	431	8 • 2		(387)		(57.5)	1	(49
	12	10 56	14 48	-			11 50	442	8.3	391	(390)	57.2	(57.5)	481	(49
	L3 L5	-	-	12 13 12 14	1,3 1,3	51.8 51.0	10 13	428	8.3	394	(391)				(4
	19	11 21	16 23	-	-,0	-	12 7	431	8.4	. ,	(385)		(57.5)	-	
	50	10 52	14 13	11 26	3,4	50-1	30.00	430	7.9	393	(393)	57·4 57·4	1 1	473 475	(48
	22	12 14 12 9	16 26 16 24	11 45	1,4 -	50.5	10 28 13 40	449	8.8		(397)	57.5	• • •	-	(3.
	27	10 52	13 31	10 23	1,3	49-8	-	-	-	-	•	57.3			(49
2	29	10 53	15 11	12 6	1,3	50 • 2	10 15	434	8.5		(392)	l .	(57 - 5)	ŀ	(49
r.	2	10 15	9 20		_		11 0	417		394	(389)	57.4	(57·5) (57·5)	475	(A)
	3 5	11 16 12 27	15 17	11 47 12 0	3,4 1,4	50.5	10 23	418	8-3	389	(383)		(57.5)		
	9	11 59	20 32	-]	-	12 37	427	7.9	385	(384)	57.6	(57-6)	-	
	LS	12 29	20 30	11 59		51.7	10 47	397	l .	390	(388) (388)	58.0	(57·7) (57·8)		(4
	L6 L7	10 47 14 53	12 19 18 25	14 27	1,3	49.6	11 27	418	8-0	390	(300)		(57.8)		(4
1	L9	10 47	11 23	8 36	1,3	50.3	11 23	429		399	(392)	57.9	(57.8)	473	
	83	10 31	14 38	1,,-,,	-	50.0	11 13	i i			(397)		(57·9) (57·8)		(4
	24	11 3 10 39	12 55 11 39	11 29 8 32	1,3	50·9 49·6	пп	422	8-4	398	(398)		(57.8)	1	
	30	10 3	13 55	-	-	-	10 57	433			(402)	57.5	(57.7)	-	•
y .	2	_	_	10 59	1,4	50.2	_	_		-		_	-	507	
	3	10 36	13 9	8 39	3,4	50.0	11 12	436			(402)		(57.7)		(49
	7 8	10 51 8 9	11 35 4 54	10 18	3,4	51.6	11 29	436	8.3	405	(407)	57·6 56·7			(49
	LO	10 52	11 7	8 35	1,3	49.4	11 25	440	8.2	410	(409)	57 • 7	(57.6)	533	
1	14	14 9	15 47		-	53.6	14 45	457	8-4	398	(400)	56·9 57·6			(10
	L6 L7	14 3 10 33	21 48 10 52	8 24	1,3	51.7	11 14	429	8-3	393	(392)		(56.8)		(4)
2	21	10 34	8 41	-	-	-	11 6	408	7.9		(396)	57.0	(56 • 8)	-	, .
	22	8 3	6 34	8 37	1,3	49.9	,,-,,	430	-	409	(402)	56·5	(56·8) (56·8)		
	24 28	10 43 10 39	14 15	8 39	1,3	50.2	11 15 11 8	432 445		402	(402) (406)		(56.8)		143
2	65	11 51	17 47	11 23	1,3	50.9	-	-	-	-	` - `	57 • 2	(56•8)	527	
3	31	11 15	13 48	10 49		51.2	11 43	427			(408)	1+h Dove			(50

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

LERWICK OBSERVATORY

ABSOLUTE DETERMINATIONS - (Continued)

					T					_		Base line val	
		-		clination 	1	[nclinat			zontal	Force		(deduced and a	dopted)
Dat	æ		Mean Time	D	Mean Time	Instru- ment	I	Mean Time	н	m	н	. D	V
			h. m.	0 / 11	h.m.		0 /	h.m.	Y		14,000γ+	0 , ,	46,000γ+
Jun	e	4	10 53	13 14 40	-	-	72 -		14,437			12 57.7 (57.0)	
		7 7	10 50	12 52	13 31	3,4 Ind.	50·1 45·2	11 27	434	8.5	408 (405)	57.0 (57.0)	505 (500) 495 (500)
	3	u l	10 11	10 49	11 33	Ind.	50.7	10 51	427	7.8	405 (407)	56.6 (57.0)	1
	1	4	10 53	11 26	13 53	1,3	49.7	11 29	446		411 (411)	56.7 (57.0)	535 (505)
		8	10 33	7 7	8 49	Ind.	52.2	11 11	410		379 (375) 374 (375)	56·7 (56·9) 56·8 (56·9)	476 (488) 486 (486)
		25	10 53 13 25	9 3	13 34 11 23	3,4 Ind.	50·3 51·5	11 25 14 9	408 450	7.8		56.6 (56.9)	492 (492)
		28	11 7	12 35	14 49	Ind.	49.4	11 36	431	7.8		56.9 (56.9)	496 (497)
Jul		2	10 45	10 57				11 19	424	7.4	387 (390)	57.0 (56.9)	
Jul	y	3	15 9	14 31	14 21	Ind.	48.7	-	-	'-		56.8 (56.9)	500 (501)
	٠.	5	10 47	8 27	-	-	-	11 19	418	7-9	391 (386)	56.7 (56.9)	=
		6	11 33	10 5	11 5	Ind.	50.8	12.00	420	-	391 (386)	56·6 (56·9) 57·9 (57·6)	79 (88) 94 (90)
		9	10 54 10 53	11 47	9 41	,,	50·9 49·3	11 22	436 437	7.8	- , , ,	57.6 (57.6)	68 (78)
		6	11 7	11 35	8 47	n	51.2	11 37	429	7.5	391 (392)	57.3 (57.6)	89 (86)
		9	13 39	20 33	15 16		46.9	14 12	483	7.6		57.9 (57.6)	88 (90)
		23	13 25 10 45	16 26 7 35	14 47 13 35	n	49·4 50·2	13 58	442 439	8 • 2		57·7 (57·6) 57·5 (57·6)	653 (658) 658 (658)
		30	10 56	8 23	14 5	и	49.5	11 47	421	8.2		57.6 (57.7)	
									ł	8.3	, ,	57.9 (57.8)	652 (657)
Aug		2	13 33 10 57	15 52 11 31	9 41		52.7	14 9 11 27	446 420	7.4		57.7 (57.8)	052 (051)
		9	10 49	10 21	14 12	н	49.8	11 23	428	8.0	386 (388)	57.9 (57.8)	670 (665)
		.3	14 11	16 46	15 54		49.7	14 49	446	8.2	- : :	58.2 (57.7)	
		6	13 21 13 47	14 37 15 33	14 39 15 5	n	48·2 49·1	13 55 14 23	457 444	8·1 7·5	384 (385) 386 (391)	57·4 (57·6) 57·3 (57·5)	
		3	13 42	13 10	-	<u>"</u>	45-1	14 13	443	7.8		57.7 (57.5)	
		7	13 59	11 56	15 19	n	48.9	14 35	468	8.9		57.4 (57.6)	
	3	10	10 56	9 57	10 3	*	52.0	11 32	414	7.8	384 (387)	57.8 (57.7)	668 (671)
Sep	t.	3	14 9	17 7	15 20	*	49.5	14 39	453	8.3		57.6 (57.8)	
		6	11 7	14 1	10 47) # #	52.4	11 36	416	7.7		58·0 (57·8) 57·6 (57·8)	
	1	0.	13 33 10 45	14 39 6 40	14 45 13 33	"	49·3 50·6	14 5	446 419	7·6	378 (378) 381 (380)	57.6 (57.9)	
	î		13 17	14 22	14 37	, ,	50.7	13 53	459	9-6	378 (382)	57.7 (57.9)	
		0	11 4	10 7	10 45	"	51.7	11 33	419	8.2		57·8 (57·9) 58·4 (57·9)	
		4	13 21 11 5	12 45 14 5	14 59 10 45	# #	49·7 5 3·1	14 3 11 35	442 415	7·7	376 (376) 374 (373)	58·4 (57·9) 58·0 (57·9)	
									'				
Oct		1	13 29 11 7	12 17 5 49	14 47 10 49	"	50·7 51·5	14 0	428 414	8·0	377 (377) 373 (376)	58.0 (57.8) 57.5 (57.8)	
			10 51		14 45		50.8	11 19	412		368 (373)	57.7 (57.7)	650 (643)
	. 1	1	12 9	9 51	12 41	**	50.3	14 51	452		369 (369)	58.5 (57.7)	
	1		14 47	l	12 55 11 47	W	53·5 52·4	15 32 12 31	433 428		369 (371) 371 (369)	58·2 (57·6) 	649 (640)
		8 2	- 11 18	7 14	14 30		51.2	11 47	413		360 (360)	57.1 (57.6)	
		5	10 19	3 52	9 57	"	53•2	15 19	433	8-3	365 (364)	57.2 (57.5)	625 (628)
No-		, 1	10 57	7 55	12 40	. 11	51.0	11 53	428	8.1	363 (361)	57.4 (57.5)	620 (628)
Nov		1	10 57	8 7	12 43		51.5	11 59	430		368 (367)	58.1 (57.5)	
		8	11 43	8 5	12 59		51.8	12 12	415	7-9	363 (367)	57.6 (57.5)	638 (634)
4			10 43	7 23	14 27	"	49-9	12 7	396		363 (368)	57·4 (57·5) 57·3 (57·5)	
			11 39 11 41	5 47 10 23	15 1 12 53	11	51·1 52·3	12 10	412 409		364 (364) 362 (363)	57·3 (57·5) 57·4 (57·5)	
			10 28	5 42	10 9	11	51.0	11 54	426	7.6	364 (365)	57·3 (57·5)	630 (634)
	2	6	11 55	5 43	10 47	"	51.0	12 25	433		361 (362)	57.5 (57.5)	
	2	9	12 1	6 1	10 52		49.9	12 27	447	8.1	362 (359)	57.6 (57.7)	OUT (OSA)
Dec			12 11	6 31	14 35	*	50-8	12 37	431		355 (355)	58.0 (57.7)	
			11 53	8 9	10.00	-	E1 - 2	12 23	431	1 1	355 (353)	57·3 (57·7) 57·7 (57·7)	
		7	9 45 11 47	3 19 5 48	10 39 10 31		51·3 50·9	12 15	429	8.4	357 (353)		621 (622)
			11 41	8 55	10 55	, n	51.7	12 15	421	8.3	355 (353)	57.5 (57.7)	623 (622)
	1	7	11 55	6 ⋅3	11 0	*	52.6	12 32	416		356 (355)	57.7 (57.8)	
	2		10 52 10 49	5 54 3 50	11 49	-	50.8	12 0	436	8.2	351 (351)	57·5 (57·8) 57·6 (57·8)	
			12 2	3 59 3 47	14 34	, "	50.7	12 33	442		349 (349)	57.5 (57.8)	
			10 41	5 12	15 17	n	51.1	11 59	425		357 (359)	58.5 (57.9)	625 (625)

AURORA

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

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

Notes on the Tables.

The hourly values of H, D and V, obtained as described above, appear in three of the four monthly tables. The variations in D, being expressed in minutes, may be readily converted to units of force (γ) of the component perpendicular to the magnetic meridian by multiplying by a factor which for 1935 is approximately 4.20. The mean value for the day is computed as the mean of the twenty-four hourly values.

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

In the fourth table for each month are given: -

- (a) The values and times of the daily maximum and minimum and the values of the absolute daily range for each of the elements H, D and V.
- (b) The value of $HR_H + VR_V$ for each day, where R_H and R_V denote the absolute ranges in force for a calendar day of the horizontal and vertical components.
- (c) The daily magnetic character figures, assigned according to the international scheme wherein "0", "1", "2", respectively, denote quiet, moderately disturbed, and highly disturbed conditions.
- (d) The daily values of temperature in the magnetic chamber.

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

In calculating diurnal inequalities the non-cyclic change has been eliminated on the assumption that its time rate is linear. The values of the range of the mean diurnal inequalities of the several elements in the three categories of days are brought together in Table 62, and the values of the

non-cyclic change are given in Table 64. The "Average Departures", or mean values of the 24 hourly constituents of the inequalities irrespective of sign, are given in Table 63.

The mean values of HRH + VRV are summarized in Table 65.

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

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

Review of Results.

Mean and Extreme Values of the Magnetic Elements, 1935.—The mean values of the magnetic elements for the years 1934 and 1935 are given in Table 1. The values of H, D and V have been computed from the hourly values derived from the autographic records of all days, standardized by means of the absolute observations; those of N, W, I and T have been deduced from the values of H, D and V.

 Year	Н	- (1	D West)		I	N.	W	٧	T
	Y	0	,	0	,	Ψ.	Y	Y	Y
1934 1935	14463 14446	13 13	21. 9 9.5		48•4 49•9	14071 14067	3343 3289	46744 46758	48930 48939

TABLE 1.

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

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Annual rate of		1	-	7	1	1	1	1	1	1	1	1
decrease of W	13.8	13.0	14.9	12.9	12.8	13.7	12.4	11.6	13•6	12-1	12.1	12-4
declination on							·					
Jan. 1st.												

In comparing the values of I, V and T for the two years in Table I with those given in the corresponding table for earlier years the discontinuity of +3' in I or $+144\gamma$ in V on Jan. 1st 1934 is to be borne in mind. (See O.Y.B. 1934, p.35).

Mean values derived from (a) international quiet days and (b) international disturbed days are as follows:- (a) H, 14449γ; D, 13° 9'.6; V, 46759 (b) H, 14441; D, 13° 9'.3; V, 46756.

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

		TA	BLE	II,		,	·.	
	Ma.	ximum		N	linimum			Absolute
Element	Value	Date 1	935	Value	Date	19	935	Annual Range
Horizontal Force	14784 γ	d h Oct.24 14		13709 γ	d Jun. 7	h 22	m 10	1075γ
Declination	140 5.5	Jun.18 19	38	120 13:3	Jun. 8	2	30	10 52-2
Vertical Force	47032 y	Oct.27 19	35	46353	Jun. 7	22	31	679 Y

The range of 1° 52.2 in declination is equivalent to a range of 47l γ in the component of force perpendicular to the magnetic meridian. In the year 1934 larger ranges were recorded in H, and V.

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

Year	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Sunspot No.	5•8	16•7	44•3	63•9	69•0	77-8	65•0	35•7	21.2	11•1	5•7	8•7	36 • 1
Absolute daily range of D.	1460	15 : 4	1061	2560	2060	91 64	94 63	2845	1062	91 (2	1966	1860	204

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

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

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Sunspot number	18•9	20.5	23•1	12.2	27•3	45•7	33•9	30•1	42-1	53•2	64•2	61.5
Mean absolute daily range of D	194	20:4	23:4	17'0	18:0	23'0	17:1	16'1	25:1	24:5	5 مُ19	2048
$\frac{\text{Mean}}{10.000} \frac{\text{HR}_{\text{H}} + \text{VR}_{\text{V}}}{10.000}$	454	628	i	ľ	1	į				742		433

In addition to summarising the local and international character figures for each month, Table III gives the annual totals of the separate characters and the annual means from 1924. Comparative data for all, q and d days derived from the numerical index of disturbance ($HR_H + VR_{V}$.) 10^{-4} are given for each month of 1935 and annual means from 1930. September and October were the most disturbed and November and August the quietest months of 1935. As a whole 1935 was more disturbed than either of the two preceding years but this was due to a decrease in the number of really quiet days, not to an increased frequency of days of large disturbance.

TABLE III

		Magnetic Character Figures.		Chai	ean racter gures	HE	n Value of H + VRy	e -
Month.	"O" days	Number of "1" days	ngn days	Ler- wick	Inter- national	All days	Q days	D days
January	10	20	1	-71	•69	454	149	1218
February	6	20	2	-86	• 72	628	145	1920
March	6	24	1	•84	• 73	598	205	1363
April	8	20	2	-80	•55	533	145	1685
May	9	20	2	•77	•51	491	185	1508
June	8	19	3	-83	•68	736	211	2414
July	12	18	1	-65	• 56	483	229	1304
August	11	20	0	-65	•51	347	187	550
September	6	19		-97	-86	901	216	2169
October	4	24	5 3	•97	-86	742	194	1657
November	14	16	0	•53	•65	427	129	1045
December	6	25	0	-81	•73	43 3	106	956
Year, 1935	100	245	20	• 78	•67	564	175	1482
Year, 1934	168	173	24	•61	• 56	465	155	1151
Year, 1933	157	169	39	•59	•64	563	166	1413
Year, 1932	97	230	39	•84	-71	644	182	1602
Year, 1931	121	212	32	•75	•66	589	196	1394
Year, 1930	64	235	66	1.01	•83	1063	250	2515
Year, 1929	113	214	38	-80	•67			
Year, 1928	126	211	29	•74	•63			
Year, 1927	137	206	22	-68	•63			
Year, 1926	208	134	23	•50	•65			
Year, 1925	207	130	28	•51	•56			
Year, 1924	229	114	23	•44	•55			

The values of mean absolute daily range for the months and seasons of the year are given in Table IV, where for convenience of comparison, the ranges of declination in angle have been converted to units of force of the component perpendicular to the magnetic meridian. If comparison be made with the corresponding table in the Eskdalemuir Section it will be seen that in 1935 the ratios of the annual mean ranges of H, D and V at Lerwick to those at Eskdalemuir are 1.5, 1.1 and 2.3. The ratios of the mean daily ranges for the six years 1926-31 of Lerwick H to Eskdalemuir N, Lerwick D to Eskdalemuir W, and Lerwick V to Eskdalemuir V, are 1.4, 1.1 and 1.9; the greatest variation from year to year appears in the case of the vertical component; scarcely any variation appears in the ratio of the W or D component and a slight variation in the case of the H or N component.

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

	Mean	Absolute 1935	Daily Range			expressed Yearly Mean
Month	H	D	V	Н	D	٧
	T Y	Y	٧	%	%	%
January	73	81	75	77	95	82
February	85	86	108	90	101	119
March	82	98	103	86	115	113
April	101	71	83	106	84	91
May	97	76	75	102	89	82
June	155	97	109	163	114	120
July	93	72	75	98	85	82
August	70	.68	53	74	80	58
September	152	105	146	160	124	160
October	118	103	123	124	121	135
November	57	82	74	60	96	81
December	61	87	74	64	102	81
Winter	6 9	84	83	73	99	91
Equinox	113	94	114	119	111	125
Summer	104	78	78	109	92	86
Year	95	85	91	-	-	•

The frequency distribution of absolute daily ranges recorded in 1935 is shown in Table V. A comparison with the corresponding figures for Eskdalsmuir (Table V. on page 187) indicates that ranges in excess of 200y are again much more frequent at Lerwick than at Eskdalemuir, even in the case of Dranges, of which the frequency distributions at the two places usually show less divergence. Apart from this it is notable that the ranges of maximum frequency at Lerwick fall in the intervals 60-69y for H and D, and 20-29y for V, that is, at much the same points as at Eskdalemuir, though V has many more ranges in excess of 200y than have H and D.

TABLE V .- FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE.

	Number	of Cases,	1935	Perce	ntege Distri	bution
	Н	D	V	H	D	V
0- 9	0	0	2	0.0	0.0	0.5
10- 19	5	1 5	28	1.4	0.3	7-7
20- 29	- 17	5	63	4.7	1.4	17.3
30- 39	34	17	41	9-3	4.7	11.2
40- 49	39	44	31	10.7	12-1	8-5
50- 59	52	47	23	14.2	12.9	6.3
60- 69	58	60	23	15-9	16 • 4	6-3
70- 79	43	37	24	11.8	10-1	6-6
80- 89	22	30	13	6-0	8-2	3-6
90- 99	18	22	111	4.9	6•0	3-0
100- 109	15	21	111	4.1	5-8	3-0
110- 119	5	14	9	1.4	3-8	2.5
120- 129	5	16	9	1.4	4.4	1-6
130- 139	5 5	13	15	1.4	3-6	4.1
140- 149	5	10	7	1.4	2•7	1.9
150- 159	5 1	ľ	3	0.3	1.1	0-8
160- 169	2	3	2	0•5	0-8	0.5
170 - 179	5	2	1	1.4	0•5	0.3
180- 189		4 3 2 1 3	3 2 1 3 4	0.0	0•3	0-8
190- 199	0 1	3	4	0.3	0-8	1.1
200+	33	15	45	9•0	4.1	12-3
ays omitted	0	0	0	-	- '	-

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

Where the beginning of a disturbance has been marked by a "sudden commencement", the serial number is followed by an asterick (*), and the time entered in the second column is that of the sudden commencement, estimated to the nearest minute. In other cases, the exact hour nearest the time at which disturbance may be regarded as having begun is entered in the second column. To the tabulated values of maximum and minimum, the following have to be added:- H, 14,000y; D, 13°; V, 46,000y.

					Horizont	tal F	force			De	clinatio	n			Verti	cal Fo	orce	
No.	F	rom	То	Max. T	ine Mi	in.	Time	Range	Max.	Time	Min.	Time	Range	Max.	Time	Min.	Time	Range
		d. h. m.	d. h.	γ d. 1	n. m. v	, 6	l. h. m.	Υ	1	d. h. m.	,	d. h. m.	,	Υ	d. h. m.	Υ	d. h. m.	٧
1 2* 3	Jan. Jan. Feb.	16 20 27 14 50 1 8	Jan. 19 2 Jan. 29 2 Feb. 2 20	541 27 1 622 2 1	19 8 27	73	17 2 0 28 0 55 2 0 57	349	25·7 25·8 34·4	17 8 40 27 18 25 {1 16 29 {2 18 8	-11·1 -19·5 -20·3	17 22 19 27 22 19 2 0 44	45-3	820 879 951	17 16 2 27 19 45 1 18 21		28 2 21	300
4 5	Feb. Mar.	13 0 12 23	Feb. 15 22 Mar. 18 4	505 13 2 689 14 1			L3 22 55 L5 1 40	505 377	36·1	13 20 9 14 13 39	-29·2 -23·5	13 22 57 14 17 11	63•0 59•6	8 34 958	13 15 53 14 15 53	400 545		
6 7 8 9 10	Mar. Apr. May May May	20 12 8 22 1 13 10 11 18 12	Mar. 22 4 Apr. 13 24 May 2 5 May 12 8 May 22 4	613 10 1 539 1 1 562 10 1	15 50 33 18 15 12 15 55 8 17 26 37 15 12 32	22 1 30 71 1	22 1 53 10 22 14 1 23 0 11 1 12 20 7 27	211 491 459 191 175	26.8 33.9 26.4 25.1 31.4	21 14 56 10 15 14 1 15 12 10 17 35 20 3 37	-10·1 -15·5 -33·3 - 6·2 - 8·1	21 17 58 11 22 33 1 23 24 11 0 57 19 0 3	49•4 59•7	886 887 839 840 809	21 17 35 10 18 25 1 17 7 10 20 41 20 15 24	656 556 442 642 536	1 22 17 1 23 59 12 2 0	397 198
11 12 13* 14 15	June June July Sept. Sept.	7 12 17 16 24 20 35 9 19 15 8	June 11 24 June 20 24 July 26 4 Sept. 12 8 Sept. 19 8	701 18 1 515 24 2 737 11 1	15 55 -29 15 40 20 39 15 18 1 - 2 14 34 27	00 1 52 2 27 1	7 22 10 18 19 39 25 1 23 12 0 31 17 1 21	501.	35.0 65.5 21.4 29.8 20.6	7 22 6 18 19 38 25 8 1 12 5 12 17 14 41	-46 · 7 - 9 · 2 -11 · 1 -33 · 1 -13 · 0	8 2 30 18 4 33 25 1 36 12 3 16 17 2 24	74 • 7 32 • 5 62 • 9	892 940 824 939 900	10 15 35 18 15 36 25 16 25 11 18 0 18 14 22	565 394	18 19 35 25 1 22 12 3 9	375 430 501
16 17 18 19 20*	Sept. Sept. Oct. Oct.	23 6 30 8 10 13 20 9 24 6 39	Sept. 26 16 Oct. 2 24 Oct. 12 4 Oct. 21 24 Oct. 26 1	508 30 1 516 11 1 585 20 1	L5 29 8 L5 24 24 L8 25 37 L4 54 25 L4 48 28	12 3 72 1 57 2	23 22 40 30 23 24 .2 0 46 20 21 7 25 22 56	545 266 144 328 503	31.3 21.6 19.8 28.9 31.1	23 15 36 30 14 28 11 16 27 20 13 17 24 15 35	-23·1 -13·4 -16·0 -37·4 -24·3	24 0 35 30 22 16 10 17 59 21 18 14 25 23 20	35•0 35•8 66•3	967 897 876 950 954	23 18 29 30 16 20 11 17 23 20 14 49 24 14 46	541 666 557	23 22 37 30 23 25 12 1 25 21 23 6 25 22 47	356 210 393
22 23 24	Oct. Nov. Nov. Dec. Dec.	27 3 46 5 2 11 19 14 14 24 19 34	Oct. 31 24 Nov. 6 14 Nov. 14 24 Dec. 16 24 Dec. 29 2	533 12 1 549 14 1	19 6 23 22 31 34 16 56 36 18 39 36 1 27 35	16 11 15 15	27 21 47 5 23 24 3 0 19 5 2 20 28 1 52	466 146 172 184 140	33.6 15.5 20.9 18.6 21.6	27 19 18 6 3 22 12 14 59 15 7 0 26 15 31	-25.0 -23.8 -27.3 -30.4 -15.6	27 22 4 5 18 36 12 23 52 14 22 43 28 2 27	39•3 48•2 49•0	876	27 19 35 5 17 54 12 16 18 14 18 34 27 19 43	664 678	5 23 20 13 0 7 15 2 0	308 294

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

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

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

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

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

A comparison of the records of Eskdalemuir and Lerwick shows that in general the declination inequalities at the two places for all, quiet and disturbed days are very similar in general appearance, although minor irregularities on the one set of values are not always reproduced on the other, or, if so, only with diminished amplitude. Differences are more obvious on the horizontal force curves even on quiet days; and become conspicuous in the disturbed day inequalities in H in some months. In the case of vertical force these differences are even more marked. The table below shows the ratios of the ranges of the inequalities in the various months.

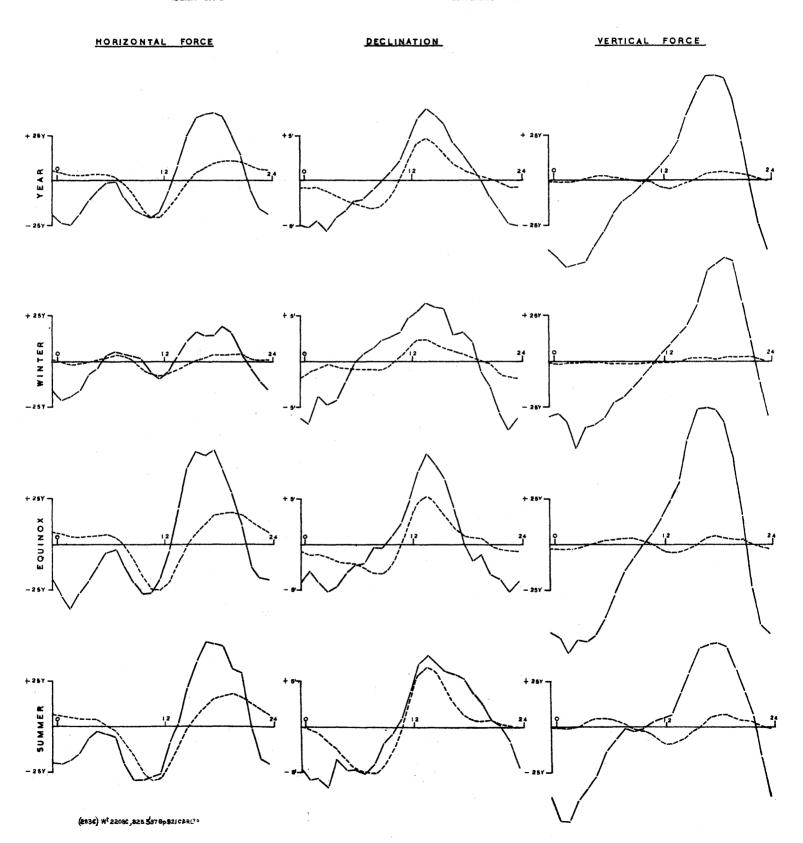
Ratio of the Range of the Inequality at Lerwick to that at Eskdalemuir (1935)

Type of Day		Jan	Feb.	Mar	Anril	Mav	June	July	Δ 11σ.	Sent	Oct	Nov	. Dec.
					p				206.	- Dopoi			
q	D	1.03	•96	1.00	1-00	-98	1.02	•74	1.00	•97	-92	1.01	1.08
d	D	1.23	1.25	1.14	1-12	1-23	1.21	1-09	1.10	1.28	1-13	1.09	1-24
q	Н	-83	-87	1.06	1.08	1•19	1.19	1-10	1-01	1.02	1.03	-94	-83
đ	H	2.18	2•44	2-15	1.31	1.71	2•30	1.26	1.25	2-47	3-12	1.09	1-61
a	V	1.86	1.19	-88	•61	-81	-82	1.02	1.02	-88	-80	•93	1-64
đ					2.03								

DIURNAL VARIATION OF THE MAGNETIC ELEMENTS LERWICK 1935

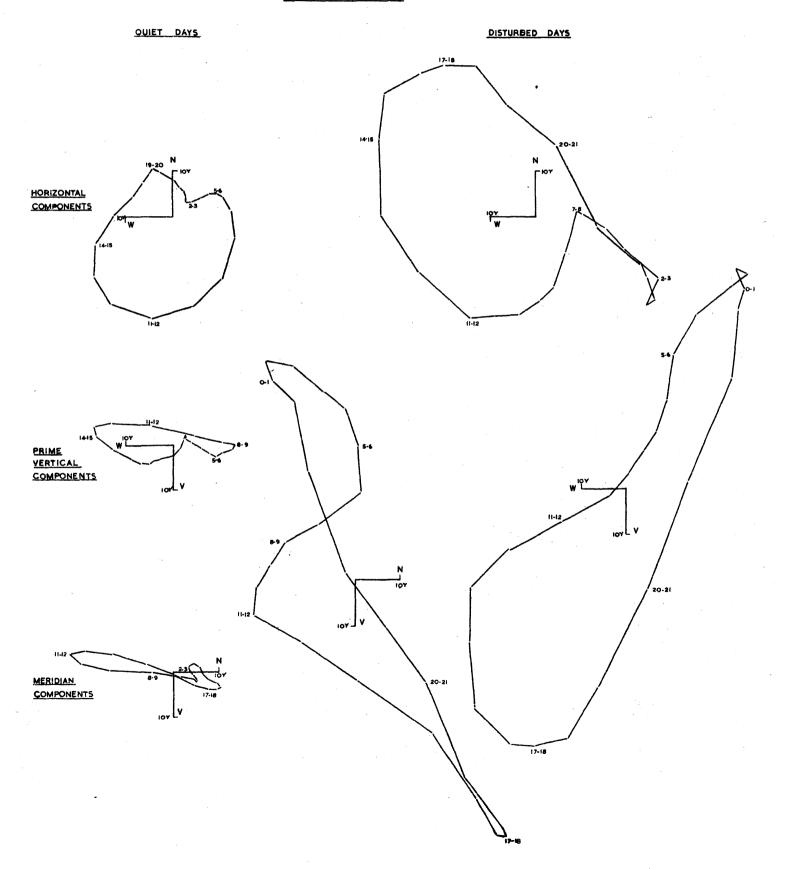
QUIET DAYS----

DISTURBED DAYS ---



VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE

LERWICK 1935



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

Remarks on the Autographic Records, 1935.

JANUARY .- (Average Character Figure 0.71)

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

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

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

FEBRUARY. - (Average Character Figure 0.86)

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

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

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

MARCH .- (Average Character Figure 0.84)

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

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

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

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

APRIL. - (Average Character Figure 0.80)

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

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

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

MAY. - (Average Character Figure 0.77)

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

Disturbance began rather abruptly shortly before 13h on 1st. Movements were at first small, though rapid, and after 16h there was a decrease of activity. After 22h, however, H and V began to fall; the fall became very rapid at 22h 52m, and sharp minima were reached almost simultaneously about 7 minutes later, the fall in this interval being 330y in H and 195y in V. There was a rapid recovery in both components, and then a further fall to minima at 24h, followed by an irregular rise until about 6h. D also fell rapidly

after 1d 22h 30m; there was a double dip with minima at 23h 24m and 23h 54m, each 45' below the undisturbed value for this hour. After 2h D rose rapidly, reaching a normal value shortly before 4h, when the disturbance was practically at an end.

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

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

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

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

JUNE. - (Average Character Figure 0.83)

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

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

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

Conditions were very quiet from 14d 8h till 16d 8h. On 17th activity increased, and on the afternoon of 18th took place a large but brief disturb-

ance. There were large humps in H and V, with maxima in small peaks at 15h 40m and 15h 36m respectively; these were followed in each case by several slightly smaller peaks, and a gradual descent. At 19h 24m H and V began to fall very rapidly. H fell by 330 to a sharp minimum at 19h 39m, and V by 200 to its minimum at 19h 35m, the ranges between these minima and the afternoon maxima being 50ly and 375 v. Both minima were followed by a rapid recovery. Up till 19h 26m the movements in D were not large, but D then began a rapid rise, increasing by 44' to its maximum at 19h 38m, and falling by 66' in the next 24 minutes. After this time movements were not large, but there was continuous agitation of the traces until 19d 4h. There was slight disturbance on the afternoon of 19th, 20th and 21st, and small troughs in H and V, accompanied by oscillations in D, around midnight of 20th-21st.

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

JULY. - (Average Character Figure 0.65)

The first seven days were quiet, especially the period 5d 20h to 7d 8h. At 7d 2lh 9m there was a small movement similar to a "sudden commencement" but less rapid (-4γ , $+37\gamma$ in H; -0.8, +5.0 in D and very small in V). An increase of activity followed, D being slightly below its normal value until about 8d 7h. Between 6h and 1lh there was a dip of 120 γ in H. Slight disturbance continued during the afternoon.

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

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

There was minor activity during most of the rest of the month, but the period 30d 6h to 3ld 2h was quiet.

AUGUST. - (Average Character Figure 0.65)

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

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

SEPTEMBER. - (Average Character Figure 0.97)

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

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

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

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

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

OCTOBER. - (Average Character Figure 0.97)

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

Agitation or minor disturbance was present almost continuously from 7d Oh until 20th, when disturbance increased in intensity after 10h. All three elements rose to maxima in the afternoon and fell to minima at about 21h. Dur-

ing the daylight hours of 21st there were continuous small movements. Between 16h and midnight D made several oscillations through ranges of about 30' and one dip of 38' between 17h 35m and 18h 55m. H and V did not rise to high maxima in the afternoon, but fell to minima soon after 23h, that of V being the absolute minimum for the storm. After this there were irregular fluctuations until 22d 6h, and the disturbance died away during the day. The ranges for 20th-22nd were: H 328y, D 66'3, V 393y.

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

There was a brief recurrence of disturbance on 25th, between 19h and 26d lh, and conditions became moderately quiet until, after a small "sudden commencement" at 27d 3h 46m, disturbance again broke out. At first there were only small and rapid oscillations, but the maxima of all elements occurred in peaks between 19h and 20h, that of H being very sharp. The night minimum values were not very low, but that of H, in a sharp dip at 2lh 47m, was followed by a rise of 324y to a very sharp peak at 22h 3m, almost simultaneous with a peak in V and a sharp dip in D. No further large movements took place, but slight disturbance continued until the end of the month.

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

NOVEMBER .- (Average Character Figure 0.53).

There was no large disturbance this month. The following periods were the most disturbed: 2d 16h to 3d 4h; 5d 15h to 6d 12h; 1ld 18h to 15d 4h; 27d 15h - 2lh. The largest ranges in any one of these periods were those of the night 12th-13th, viz., 172y in H, 48'2 in D, 308y in V.

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

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

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

DECEMBER. - (Average Character Figure 0.81)

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

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

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

1. LERWICK

1. LERW		_			T		T 1-07			March 1	actor 1.27.	
Day			Factor 1.27	T		February	Factor 1.27	00 03 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h
1 2	2 - 3 h v/m 95 -34	8 - 9 h v/m 46 25	14 - 15 h v/m 92 141	20 - 21 h v/m 209 169	2 - 3 h v/m 111 >645	8 - 9 h v/m 55 307	14 - 15 h v/m 160 141	20 - 21 h v/m >414 101	v/m 18 124	v/m 79 191 155	v/m 118 167 179	v/m 91 170 <-136
3 4 5	80 >510 52	95 -15 <-21	129 61 153	95 43 184	117 55 68 107	138 61 <353	114 215 181	123 111 >507	173 -121 245 55	158 158 >348	212 212 212	179 -48
6 7 8 9 10	129 52 2± 71 114	92 55 120 147 153	150 77 418 215 120	77 163 104 31 -77	77 117 163 126	153 190 319 160	319 243 313 221	246 184 -31 200	82 79 97 94	158 118 100 109	309 121 121 167	233 142 1 36 158
11 12 13 14 15	9 89 52 -184 74	9 120 80 92 95	117 150 141 126 166	123 Z± 196 126 144	160 190 104 111 >691	218 123 153 144 92	153 117 193 153 147	<-675 227 153 126 92	76 148 115 97 221	130 97 70 139 242	136 127 158 215 339	306 115 227 258 242
16 17 18 19 20	92 52 49 58 37	-31 64 77 64 58	107 77 114 175 117	117 92 120 86 -64	144 74 -365 153 117	135 117 153 196 95	120 61 -55 153 338	537 -40 270 196 230	212 212 136 127 200	Z- 155 109 342 176	267 158 91 373 167	324 167 48 503 185
21 22 23 24 25	<-461 61 58 0 Z±	92 86 196 74 77	111 89 114 267 255	123 80 64 -132 153	135 -169 101 Z± 120	160 126 160 196 322	114 80 <153 193 Z±	(46 160 196 184 144	115 -24 167 130 <-1061	-9 218 179 -106 112	94 203 <-409 188 191	233 230 251 206 200
26 27 28 29 30	141 95 40 92 203	169 71 -46 64 178	>338 114 123 107 153	255 111 147 98 464	86 230 150	414 249 120	135 236 123	218 200 144	<-30 -55 161 176 179	188 170 194 197 45	151 176 121 242 545	151 185 221 233 418
31.	< - 55	138	>553	Z±	***	•••			-145	-379	200	255
(a)	92 56	94 76	164 132	137 106	166 84	184 166	173 168	208 181	138 92	157 110	195 194	213 210
Mean	(a) 122	(b) 93	(a) 183	(1) 150	(a	a) 176	(1) 151
Day		April F	actor 1.27			May Fac	etor 1.29	•		June Fa	etor 1.31	
	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h	2 - 3 h	8 - 9 h	14 - 15 h	20 - 21 h
1 2 3 4 5	v/m 153 125 122 2± -61	v/m 116 162 153 589 305	v/m <183 146 171 253 226	v/m 220 180 235 Z± 229	v/m 94 175 324 399 200	v/m 115 184 393 337 218	v/m 125 449 384 343 134	V/m 193 340 250 368 203	∀/m 96 119 96 128 87	v/m 144 128 141 167 116	v/m 193 144 100 -58 <-803	v/m 196 177 180 109 122
6 7 8 9 10	198 183 165 122 210	220 146 146 165 <-232	<-46 146 159 195 259	226 204 217 -177 186	112 81 131 84 34	122 181 119 190 41	137 156 153 125 144	137 131 147 306 187	61 -209 270 26 170	10 327 116 -32 193	116 385 16 138 228	80 -77 87 157 77
11 12 13 14 15	70 79 110 91 113	73 64 119 101 95	119 171 137 122 119	110 76 165 210 95	109 87 106 66 125	125 131 147 137 -671	62 97 115 128 97	84 109 2± 112 262	74 32 437 343 337	161 282 430 263 266	331 157 408 218 199	10 177 404 148 189
16 17 18 19 20	-366 49 <-213 101 122	174 149 43 134 128	95 137 168 104 159	-579 98 98 229 162	153 Z± 144 231 106	144 <-75 125 128 156	Z± 125 147 200 115	2± 109 159 140 150	Z± 32 100 96 96	193 6 119 161 161	58 106 -32 215 -138	80 83 112 193 247
21 22 23 24 25	119 <-1519 -43 73 116	-131 247 -641 27 198	290 397 21 171 244	470 110 49 195 235	122 97 94 218 140	109 112 231 209 156	147 122 134 153 147	90 125 200 209 115	199 132 292 353 356	770 205 83 417 321	350 671 722 481 552	1,35 501 575 639 880
26 27 28 29 30	85 73 67 110 61	101 85 79 91 122	153 113 91 210 153	113 134 180 113 162	109 103 94 87 115	187 156 78 119 94	165 128 165 109 125	209 131 125 78 147	382 353 58 80 610	257 315 266 362 106	257 (353) 144 324 205	116 363 177 514 199
31 (a)	113	149	169	174	94	122	97	159	***			***
(a) (b)	70	85 .	152	129	134 135	157 129	158 160	172 174	193 . 183	224 220	272 242	239 237
Mean	(4	151	(1	b) 109	(a) 155	(b) 149	(a	232	(t) 221

Note:- The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the notation Z is used.

(a) Mean of all positive readings.

(b) Mean from all complete days using both positive and negative readings.

LERWICK

	1, L	RWICK											1935
	Day		July Fa	etor 1.32		21	August F	actor 1.31			September	Factor 1.2	3
1		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
	1 2 3 4 5	v/m 197 222 108 111 -3	v/m 212 872 149 82 <-428	v/m 25 73 120 -41 105	v/m 393 463 222 108 95	v/m 246 98 92 177 284	v/m 297 158 123 158 604	v/m 190 174 145 196 300	v/m 199 139 363 265 370	v/m 298 133 332 112 6	v/m 273 291 2- 161 99	v/m 217 198 -37 112 87	v/m 353 397 298 118 118
	6 7 8 9 10	32 79 190 209 298	63 70 178 92 444	92 117 507 250 82	143 139 387 384 241	177 269 316 104 139	253 423 253 117 186	161 145 117 123 167	174 344 142 95 272	112 96 96 112 112	112 127 121 164 130	96 105 139 257 146	136 121 155 161 208
	11 12 13 14 15	200 187 130 159 79	139 282 593 184 178	174 152 793 209 127	181 190 143 127 159	155 63 104 133 139	167 114 126 221 126	95 111 167 281 120	51 145 209 139 167	93 155 307 208 65	118 121 90 186 130	338 -465 <-186 322 260	236 <-821 155 152 183
	16 17 18 19 20	178 136 159 184 212	162 184 193 247 187	187 212 159 174 Z-	225 165 178 396 >602	88 196 202 294	161 161 205 389	300 171 (221) 174 209	319 335 (237) 569 411	31C 301 -3 102 90	121 -62 124 <-1302 74	186 -143 109 109 124	263 152 152 118 90
	21 22 23 24 25	<-507 86 263 152 159	-32 136 346 120 127	168 105 108 143 -162	127 136 152 -32 165	275 130 332 572 104	190 205 379 370 145	297 262 190 209 130	35 395 224 10 4 171	47 115 118 99 155	112 136 121 133 167	118 195 124 152 171	201 174 152 201 186
	26 27 28 29 30	86 203 54 98 76	114 279 114 108	111 -63 63 108 152	181 117 -29 67 178	<-1296 -215 41 111 57	54 -41 38 98 142	95 120 95 111 183	152 161 199 79 139	152 136 248 121 124	146 341 211 139 112	136 174 -189 167 109	127 381 -90 403 124
F	31	159 152	130 210	472	254	57	126	123	186				
	(a) (b)	150	210	185 159	218 194	177 163	207 203	174 176	219 209	150 133	150 146	166 143	197 187
1	Mean	(a) 191	• (1	b) 179	(a) 194	(ъ) 188	(6	166		(ъ) 152
	D ay		October F	actor 1.27			November I	actor 1.27			December 1	actor 1.26	
L	Day	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
	1 2 3 4 5	v/m 58 -122 122 61 119	v/m -549 122 137 113 -381	v/m 3 107 82 223 -397	.v/m 79 149 79 366 -217	v/m 104 92 214 104 43	v/m 187 156 162 83 -3	v/m 223 220 413 80 64	∀/m 153 312 309 80 64	v/m 88 <-1148 -6 236 79	v/m 118 121 142 2 1 -75	v/m 2± 109 <30 202 242	v/m -75 115 163 118 115
	6 7 8 9 10	76 85 122 -15 49	85 143 -345 >223 58	98 116 156 116 137	64 210 259 >381 6	-104 89 92 92 110	24 168 119 73 <-1209	92 165 70 165 223	<-535 174 >122 251 199	<-181 94 154 106 36	115 82 109 88 85	154 223 281 151 211	163 175 205 118 154
	11 12 13 14 15	85 61 <555 165 88	91 107 125 101 76	244 46 162 91 85	171 140 515 149 317	168 171 89 135 80	177 190 -9 113 107	24 113 21 -291 <-918	184 165 196 110 141	33 75 9 36	60 60 36 <-287 <-377	91 121 33 91 103	97 109 169 -181 109
	16 17 18 19 20	91 >284 >549 107 64	110 -91 95 <-137 >442	134 354 12 116 746	z± 470 <-397 >503 z±	156 153 77 177 153	153 174 -24 205 159	278 <-887 12 196 135	>291 113 <-239 168 129	<-242 Z± 66 468 33	85 -3 88 75 112	130 57 109 >529 317	72 9 208 63 181
	21 22 23 24 25	104 6 43 70 88	61 82 143 107 61	91 <-107 110 82 104	79 67 128 73 293	86 Z± 73 <-1469 107	92 101 153 98 -70	64 156 153 <61 55	110 156 92 116 205	-121 <-181 2± >227 39	136 166 121 124 124	190 136 178 269 72	>347 94 136 205 -3
	26 27 28 29 30	116 98 55 149 180	-88 101 55 119 76	177 119 95 >503 2±	159 2± 186 171	-15 >750 119 113 2±	2± 171 80 2± 2±	2± 110 147 <-9 2±	Z [±] 135 113 136 184	12 -332 <-199 63 54	139 311 <-1389 157 109	151 314 157 97 172	100 -18 169 79 -30
+	31 (a)	113	2±	244 138	206	142	134	140	163	98	114	-69 170	133
-	(a) (b)	76	5	87	142	120	120	120	164	41	98	157	112
-	Mean	(a	1) 144	(ъ) 77	(a	145		(ъ) 131		a) 130	1	(b) 102
					-		nnual Means	!	(a) (b)	139 109	158 131	175 157	190 170
1	_	<u> </u>]				(4	a) 165		(b) 142

2. LERWICK

1935

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	19-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	f Mon- cyelic Change	No. of Days Used	Mean Values
Jan. Feb. Mar.	v/m -17 -42 -10	v/m -19 -58 -28	v/m -32 -42 -28	√/m -33 -37 -32	v/m -37 -45 -32	v/m -36 -38 -34	v/m -27 -28 -27	v/m -26 -36 -27	√/m -22 - 8 -24	v/m - 9 +36 -22	v/m - 3 +18 -12	v/m +23 - 2 -13	v/m +28 +11 0	v/m +13 +24 +15	v/m +21 +62 +19	v/m +35 +71 +28	√/m +30 +42 +24	v/m +36 +29 +30	v/m +22 +24 +37	v/≡ +37 +18 +45	v/m + 6 +20 +40	*/m + 9 +28 +17	v/m + 2 - 5 +11	√/m - 3 -42 +23	▼/m - 6 + 9 - 2	5 5 10	v/m 92 160 159
Apr. May June	-17 -17 -49	-28 -17 - 7	-30 -24 -22	-34 -34 -60	-28 -32 -47	- 9 -23 - 9	-22 -21 -28	-25 - 7 -23	-14 0 -15	-15 - 1 - 1	-20 - 4 -25	-28 0 -33	- 1 + 1 -43	+27 + 6 + 2	+30 +16 +70	+26 +20 +77	+ 5 +21 +50	+ 3 +23 +65	+ 9 +29 +70	+17 +20 +17	+49 +23 +30	+46 + 9 - 3	+43 +10 - 1	+16 + 4 -15	-10 - 3 +51	7 19 10	127 161 314
July Aug. Sept.	-14 +12 -23	-13 -23 -30	-53 -32 -36	-47 -26 -46	-24 0 -37	-31 +36 -30	-17 +50 -14	+18 +64 + 1	+ 7 +54 + 4	+16 +18 - 2	- 9 - 3 - 5	+15 0 -24	+13 -26 + 4	+45 -41 +16	+57 -31 +36	+ 9 -23 +27	-21 -67 + 4	- 8 -55 +25	- 9 -29 +28	- 8 - 3 +42	+ 6 +31 +29	+44 +23 +39	+31 +33 + 6	- 6 +40 -15	+22 +19 +30	10 8 3	239 235 133
Oct. Nov. Dec.	-33 -77 -33	-53 -59 -87	-96 -35 -85	-65 -11 -89	+31 + 1 -80	+60 +43 -47	+21 +58 -31	0 +119 -24	+10 -77 -31	0 +36 - 7	-15 +42 - 3	-20 +145 +16	+ 1 +50 +51	-33 +86 +53	-18 -12 +26	+59 + 6 +53	+60 -16 +63	+77 - 4 +52	+80 -16 +33	+69 -39 +44	+ 6 -48 +59	-25 -52 +34	-63 -70 +26	-53 -70 + 7	-21 + 9 -107	1 1 1	130 158 75
Year Winter	-27 -42	-35 -56	-43 -49	-43 -43	-27 -40	-10 -19	- 7 - 7	+ 3 + 8	-10 -35	+ 4	- 3 +13	+ 7 +45	+ 7	+18	+23 +24	+32	+16	+23 +28	+23	+22	+21	+14	+ 2 -12	- 9 -27	- 1 -24	80 12	165 121
Eqnx.	-21 -17	-35 -15	-47 -33	-44 -42	-17 -26	- 3 - 7	-11	-13 +13	- 6 +11	-10 + 8	-13 -10	-21 - 5	+ 1	+ 6	+17	+35	+23	+34	+39	+43	+31	+19	- 1 +18	- 7 + 6	- 1 +22	21 47	137 237

*la AND 2a DAYS ONLY

3. LERWICK

1935

Month and Season	Hour 0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	1,8-19	19-20	20-21	21-22	22-23	23-24	† Mon- cyclic Change	No. of Days Used	Mean Values
Jan. Feb. Mar.	v/m -20 -27 - 9	v/m -35 -49 -11	v/m -33 -29 -24	v/m -30 -13 -98	v/m -47 -64 -47	v/m -26 0 +11	v/m - 5 + 2 -29	v/m - 7 -18 -67	v/m -47 0 -21	v/m -78 -10 + 9	√/m - 3 -29 + 7	v/m + 6 -99 -42	v/m + 2 -28 -29	v/m +21 + 2 +57	v/m +31 +18 +29	v/m +50 +17 +40	v/m +46 +48 +22	v/m +36 +62 +63	√/m +53 +41 +70	+48 +77 +36	v/m +35 +41 +21	∀/m +16 +40 - 5	v/m +11 +42 + 2	√/m -21 -23 +15	v/m -31 -86 +70	6 3 4	√/m 95 121 136
Apr. May June	-51 - 4 - 6	-59 -24 -16	-18 -29 -25	-56 -14 -21	-29 -33 -10	-19 -20 -11	+11 + 4 -10	+ 7 +24 - 8	+11 +29 +10	- 1 +18 + 1	+ 1 +13 -26	+ 2 - 7 -24	+ 8 -32 -34	+23 -30 -11	+ 9 - 9 -31	+29 + 5 -21	+24 - 3 +25	+23 +13 +30	+13 +22 + 4	+45 +24 +19	+47 + 9 +24	+28 +18 +72	-20 +13 +34	-27 +14 +34	+22 - 3 +40	4 5 11	129 118 167
July Aug. Sept.	-21 -15 -26	-16 - 2 -20	0 - 9 -12	- 6 -17 -22	- 6 -27 -22	+19 -20 -21	+56 +14 -11	+40 - 1 - 5	+63 +29 - 4	+57 12 + 7	+25 -14 -10	+38 -21 + 6	-25 -17 + 7	-34 0 - 2	-38 + 8 + 31	-13 -10 + 28	+ 7 - 3 + 31	-27 -18 - 2	-35 +14 - 1	+ 8 +18 +21	+ 2 +56 +32	-39 +49 +10	-43 +18 + 1	-11 -20 -14	+22 + 3 -22	14 12 10	138 164 144
Oct. Nov. Dec.	- 8 -12 -32	-23 - 6 -33	-42 -13 -47	-21 -31 -33	-18 -51 -36	-21 -34 -41	- 7 -33 -47	+13 -15 -21	+ 7 - 1 - 5	-13 - 5 -35	0 - 6 -36	-21 - 7 -10	-19 +15 +20	- 7 +45 +43	0 +40 +49	- 7 +28 +55	-56 +42 +49	- 7 +36 +61	+37 +41 +45	+117 +42 +65	+63 +27 +55	+50 + 8 + 5	+14 -56 -44	-29 -54 -25	+28 -16 -59	6 7 5	95 115 75
Year Winter	-19 -23	-25 -31	-23 -31	-30 -27	-33 -49	-15 -25	- 5 -21	- 5 -15	+ 6 -13	- 5 -32	- 7 -19	-15 -27	-11 + 2	+ 9 +28	+11 +35	+17 +37	+19	+23 +49	+25 +45	+43	+34	+21	- 2 -12	-13 -31	- 3 -48	87 21	125
Eqnx. Summer	-23 -11	-28 -15	-24 -16	-49 -15	-29 -19	-13 - 8	- 9 +16	-13 +14	- 2 +33	+ 1	- 1 - 1	-14 - 3	- 8 -27	+18 -19	+17	+23 -10	+ 5 + 7	+19	+30 + 1	+55 +17	+41 +23	+21 +25	- 1 + 5	-14 + 4	+24 +15	24 42	126 147

[†] See page 23. * Note for explanation of Oa, la, 2a Days, see page 57.

1935

GRADIENT

	ELECTRICAL	CHARACTER	OF.	EACH DAY,	AND	APPROXIMATE	DURATION	OF.	NEGATIVE .	POTENTIAL	G
A TOWN AND	-										

Day	Jan	uary	· Fe	bruary	Ma	rch	A	pril	M	Ay		June	j	uly	Au	gust	Sep	tember	Oct	ober	Nove	mber	Dec	cember
	Char- acter	Dura- tion of nega- tive pot. grad.	Char- acter	Dura- tion of nega- tive pot. grad.	Char- acter	Dura- tion of nega- tive pot. grad.	Char- acter	Dura- tion of nega- tive pot. grad.	Char- acter	Duration of negative pot. grad.	Char- acter	Duration of negative pot. grad.	Char- acter	Dura- tion of nega- tive pot. grad.		Dura- tion of nega- tive pot. grad.	Char- acter	Dura- tion of nega- tive pot. grad.		Dura- tion of nega- tive pot. grad.	Char- acter		Char- acter	Dura- tion of nega- tive pot. grad.
1 2 3 4 5	la 2b 1b 1c	hrs 1.1 6.3 2.2 1.5	2b 1c 1a Oa 2b	hrs 3.7 1.5 0.1	la la lb 2b 2c	hrs 2-0 0-6 1-6 3-4 3-4	lb la lb 2c lc	hrs 1·1 0·1 0·4 3·4 1·2	Oa. Oa. Oa. Oa. 2b	hrs	la la la lb 2b	hrs 0.2 0.5 0.3 2.1 5.7	lb la lb lb 2b	hrs 0.9 0.1 1.8 1.8	la Oa la la	hrs 0-1 0-1 0-3	la 2b 2c la 2b	hrs 0-3 3-1 5-7 0-2 3-5	2b la lb lb 2b	hrs 10·4 1·0 2·7 2·6 13·1	Ob 1b 1a 1a	hrs 0.2 0.1 0.1 2.4	2c 2c 1c 1c	hrs 8-2 4-1 2-8 1-5
6 7 8 9	lb lc lb 2c	0.8 0.8 2.5 1.9 10.1	Oa. Oa. Oa. 1b 1b	2-5 0-6	lb la Oa Oa Oa	0·4 0·1 	1b 1b Oa 1b 2b	1.2 0.7 1.5 3.9	Oa. Oa. Oa. Oa.	•••	2b 2b 2b 1a 0a	4·3 4·3 3·4 0·9	la la Oa Oa Oa	0·5 0·1 ···	0a la la lb la	0-9 0-1 1-9 0-7	la lb Oa Oa Ob	0·1 0·6 	la la 2b 2c lc	0-2 0-5 5-9 3-4 2-6	2b la lb lb	11.6 1.2 2.5 1.2 2.5	lb lb lb la la	1-1 0-4 1-3 0-1 0-5
11 12 13 14 15	lb lb la lb la	2·3 1·0 0·7 2·8 0·1	2c 1b 1b 1a 2c	6-4 0-8 1-3 0-5 3-6	Oa. Oa. Oa. Oa.	•••	1b 1b 1b 0a 1b	2.6 0.4 0.4 	la la lb la 2b	0·1 0·1 0·1 0·1 7·4	lb la Oa Oa lb	2.6 0.1 2.1	la Oa Oa Oa la	0-2	lb la 2s la lb	1.2 0.5 3.1 0.1 0.2	la 2b 1b la 1b	1·1 8·2 1·7 0·7 1·5	lc 2b 1b 1b	1.5 3.6 0.4 1.7	1b 1b 1c 1b 2b	0·5 0·8 2·5 2·0 4·1	0a la la 2b 2c	1-4 0-6 6-9 8-6
16 17 18 19 20	la Oa Oa Oa la	1.4	lc 2b 2b 1b 2b	2-9 3-5 8-1 1-3 3-6	1b 0a 1b 1b 1b	1·7 2·3 2·4 1·7	2c lb 2b la la	12·3 1·7 3·1 0·1 0·9	lc lc lb Ob Oa	2·2 2·9 1·0	2b 2a 1a 0a 2a	5·5 3·7 0·5 3·9	Oa la la Oa 2c	0·3 0·5 6·2	1a Oa (Oa) (2b) Oa	0·1 	1b 2b 1b 2b 1a	0·8 6·2 2·4 5·3 0·5	1b 2c 2c 2c 1c	0·6 7·1 4·4 3·6 2·1	1b 2c 2b 1b	0·9 5·9 8·1 0·5 0·2	1b 2c 1b 1b 1b	1.8 5.9 0.7 1.9
21 22 23 24 25	1b Oa 1b 2b 1c	1·3 ··· 0·7 4·8 2·1	2c 2b 1c 1c 1b	3·1 3·3 1·5 1·6 0·1	2a 1b 1b 1b 2b	4-2 0-6 2-6 0-8 5-8	1b 2b 2b 2b 0a	2.7 4.3 14.7 3.4	Oa la la Oa Oa	0-1 0-1 	0a. 0a. 0a. 1a. 0a.	0.1	2b la la 2a 2a	9·1 1·2 0·3 3·4 3·7	lb Oa Oa lb la	1·1 ··· 1·3 0·3	Oa 1b 1a 1a 1b	2·3 0·1 0·1 0·7	lb lb Oa la lb	1·1 1·5 2·1 2·9	1a 1b 1a 2b 2b	0·2 1·9 2·0 6·2 4·2	lc lb lb lb 2a	1.8 1.3 0.6 6.0
26 27 38 29 30	lc la 2b Oa lb	2-9 0-4 3-7 	1b Oa 1a	0-2	1c 1b 1b 0a 1b	1·2 1·2 0·4 	Oa Oa Oa Oa	2.3	Os. Os. Os. Os.	•••	la la la Oa Oa	0-3 0-5 0-3	la 2b la la 0a	0·3 3·1 1·1 0·2	2b 2b 2b 1a 0a	8-3 6-5 3-8 0-1	la 1b 2b 1b 1a	0.6 2.9 5.6 0.4 0.1	2c 1c 1a 1b 2c	6-3 0-8 0-4 0-6	lc lb Oa lc 2c	2-4 0-5 1-1 3-1	2b 2b 2c 1b 2b	5-0 5-9 8-0 1-7 3-1
31 Total	1c 30	56 • 2	32	56 • 5	2b 26	10-3 49-0	30	62-5	0a.	10.0	07	41.9	0a.	90.5	1b	2.0	99	E4.7	(lc)	•••	95		1b	1.7
No. of days used	31	31	28	28	31	31	30	30	31	31	30	30	31	39-5	31.	32-7	33 3 0	30	4 0 3 1	83·9 29	35	30	31	31
Mean	0-97	1.8	1•14	2-0	0-84	1.6	1.00	2-8	0-42	0-6	0-90	1.4	0-87	1.3	0-87	1-10	1-10	1.8	1-29	2-9	1-17	2•3	1-29	2-8

Annual Values:- Character Frequency. 84 202 79

Mean Character Figure 0.99 (365 days)

Duration of Megative pot. grad: Total 680.6 hrs.

No. of days 362

Mean 1.80

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

- 0, denotes a day during which from midnight to midnight no negative potential was recorded.
 - 1, denotes a day with excursions to the negative not amounting in the aggregate to more than three hours.
 - 2, denotes negative potential extending in the aggregate over three hours or more.
- a, denotes that within the 24 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation, there was in no case a range of potential gradient in the open exceeding 1000 volts.
- b, denotes that a range of potential gradient in the open exceeding 1,000 volts was reached in at least one but in fewer than six of the 24 hourly periods referred to above.
- c, denotes that a range of 1,000 volts or more occurred in at least six of the 24 hourly periods.

1-3-8,1935.012,01,00140, GALIFN.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

JAMUARY, 1935 14,000 y (· 14 C.G.S.unit) + 5. LERWICK (H) 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 5-6 7-8 8-9 9-10 2-3 3-4 4-5 6-7 G. M. T. Day 1 453 7 8 452 457 456 459 10 Q 448 455 448 15 455 398 17 D 451 454 446 442 AAR 450 446 449 449 447 444 446 449 452 432 439 436 441 23 D 24 D 450 458 448 448 451 445 27 D 420 432 445 456 447 453 28 D

1 YELLOW

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

(D) 11-3-18-18-35-011-01/BB/B/3 130+

6. LERWICK

Mean

<u>438</u>

<u>454</u>

JANUARY, 1935

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1.	,	,	,
l i	15-6	16-1	15-2	16-0	15-2	15-5	16-2	16-1	19-0	24-8	20-0	19-0	18-1	17-5	16-7	16-1	15-9	15-9	16-0	15-3	8-5	11-4		14.7	<u>16-1</u>
2	14.7	15-3	22.9	16.7	14.7	14.3	14.3	15-1	15-0	16-1	16 - 1	17-9	18-4	17-8	17-2	16-1		15-7	14-5	8-1	10.4	14-1		14.5	15-4
3	15-4	18.1	17-0	15-2	14.5	14-9	15.2	16-5	16.4	15-2	17-2		17-5		17-3	17-3		16-1	15-9		6-8	11.4		13.9	15-5
4	10.0	8-1	14-0	15-0	15.2	15-2	18-9	17.7	18-1	18-0	18.0	17-4			17-1			11.1	11-0		14.2			15-8	15-0
5	14-8	15-1	16.5	15-4	14-9	15.0	16.0	16.0	15-8	14.6	16-0	17-3	17-6	18-0	16-6	15-4	15-0	14.8	14-6	15-0	9-0	10-1	13-6	14.5	15-1
6 Q	15-1	15-9	16.4	15.6	15-8	15-8	15-4	15.1	14.9	14-6	14-8	15.4	15-7	15.0	15-7	15-6	15.2	15-6	15-3	14-9	14-6	14-2	13-7	13-8	15-2
7 0	14-9	14.9	15.4	15-9	15-8	15.7	15-6	15.9	15-5	15-5	15.6	15.9		16.9	16-4	16.2		15.3	14-9		14-0			14.1	15-3
. 8 Q	14.7	14.9	15.9	16.4	16-4	16-4	16.0	15.5	15.1	15.1		15-4		16.8	16-6	16-2		16.3	16-0	15-2	13-9	13-2	11.4	14-9	15-4
9 Q	15.4	15.0	15.2	15-1	15.2	15.4	15.3	15.3	15.3	15-3	15.5			16.7	16.5	16-4		16-0	15-8	15-5	15-2	14-2	12-2	13.2	15-3
10 0	14-1	14.6	15.2	15-3	15-3	15.1	15.5	14-8	14.6	15.0	15-4	15-8			17-9	19-1	17-4	17-5	18-0	15.7	15-5	14-4	11-9	9-9	15-5
					-						l				1						•				
11	14•9	15-5	7-4	11.1	13-2		14.2	14.3						19-2		17-8		15-8					14-0	12.3	15-0
12	11.3	13-1	14.0	13-7	14-0	13-9	14.0	14-2	14.5		15.5	15.5		17-4	16-7	16.4		15.7	12-3		13.3		7-9	6.4	13-8
13	9.7	14.2	13.8	12-8	14-8	15-0	14-3		14-0	14-1	14-8			17-2	16-9	16.7		15.8	14.7					13·8 9·6	14-6 14-5
14	13.7	14.7	13-9	14.1	13.9	13.0		13.9		13-9	15-2	16-4		16.6	16.1			15.2	14.9	14.7	14-4	14.3	13·8 12·1	14-6	14-1
15	7-1	10-4	11-2	15.0	14-8	13-7	14-8	15-8	15.3	14-8	16.5	16-9	17-8	17-5	17.3	17.2	14-4	11.4	13-7	13-5	15.2	11.4	15.7	14.0	14-1
16	13-6	14-4	15-1	15-1	15-0	15-1	14-5	14-6	14-4	14-0	14-8	16-4	17.5	17.5	17.0	15-9	15-0	15-3	15-9	15-3	13-7	11.9	13-5	7-3	14-7
17 D	0.2	9.0	-3.1	9-8	8-3	12.5	14-6	18-3	24.2	21.5	18-2	17-1	16.5	21.7	16-1	19-9		15-9	15-2	14-8	14.0		-6-8	7.3	13-0
18	4-1	11-9	17.3	9-1	10-6	11-4	13-1	14.0	14-2	14-6	16-7	16-9	17-4	18-0	14-9	15-9	15-9	9-8	14-6		4-3			12.4	13-3
19	9-4	11-9	14-7	13-9	13-9	13-3	13-3	13-6	15-5	15-4	17-1	16-2		17-2	18-0			16.0	16.5		10-6	13.5	13-3	13-6	14-7
20	12-8	13-5	14-0	12.2	13-1	13-0	14-1	13-2	13-2	14-2	14-2	15-1	16-4	17-4	16-2	15-5	15-0	15-1	15-2	15-4	12-4	15-0	13-1	14.8	14.3
21	15-0	13-3	14.2	14.2	14.0	13.3	12.7	79.6	13.3	17-1	15-8	19.2	17.5	17-1	16.2	15-5	15.5	15-7	16-9	12-2	10-4	12-4	6-0	8-8	14-2
22	12.0	-0-5	4.8	9.9	11-9	12.1	16.1	14.7	14.7	16.0	18-1	16.9	17-9	16-8	16.8	16-7	17.7	16.9	17.0		13.7	10.3	7.7	5-1	13-3
23 D	-0.6	5-6	13.0	14.0	9.4	15.9	12.1	13.9	15-8	19-6	19.3	20-6	20-2	23-1	19-4	19-8		18-1	18-1		15-0	2.5	8-9	13-7	14-4
24 D	12.8	12.5	12.5	11.1	10-9	13.3	14.9	15.2	14.8	15-6	16.2	16.7		19-0	17-9	19-0		15-7	6-3	9-2	12-8	8-3	10-3	7-1	13-4
25	12.4	14-6	16.2	13-2	13.7	13.7	13-8	14.3	14-8	17-8	17-1	18-1		17-1	18-6	17-4	17-0	16.5	14.7	8-5	12-1	14.5	11-6	10-4	14-8
	[]									'						[١	١	١		
26	7-5	18-2	13-1	13-4	12.5	12-9	13-1	14-6	13-8		17-2				17.2		14.5								14-7
27 D	13-3	13-6	13-6	14.0	14-4	14-5	14-1	14-1	14.1	14-9	15.2		16-9	17-1	17-1			18-9	21.7	4.9	-7.5		-11.8	1.1	12.1
28 D	1.3	2-9	-6.4	-9-4	-5-8	2.5	5.2	8.3	10-6	13-0	15-9	16.6	18-4	19-5	17-8	17-0		15.8	15.7		14.0			15.0 14.3	10-4 14-6
29	13-6	16.2	13.5	12.9	13-5	13-6	13.9	13-8	13.8	14-4	15.0			16.8	16.0	15.4		15.0	14-8 14-1		13.0	10.9	13.3		15-8
30	14-2	14-3	14-6	14.7	14-7	14.7	14-4	14-9	18•5	19•3	19-5	20-9	21.3	19-8	17-4	16-3	14.6	14-4	14-1	13-0	123-0	10.8	1 23-3	43-0	40-0
31	15-0	14-6	17-6	1148	12-8	14•0	13-7	13-8	17-1	23-2	21.6	19-7	17-2	16-3	15-6	14-1	13-7	13-7	13-8	13-9	14-0	14-0	14-1	14-7	15-4
Mean	11.5	13.0	13-2	13-0	13-1	13-8	14-3	14-7	15-3	16-2	16-6	17-1	17-5	<u>17-8</u>	17-0	16-7	15-7	15-4	15-1	13-7	12-0	12-1	10-8	11-9	14-5

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

JANUARY, 1935 46,000 γ (•46 C.G.S.unit) + 7. LERWICK (V) Hour 17-18 18-19 19-20 20-21 21-22 10-11 11-12 13-14 15-16 16-17 22-23 23-24 Mean 12-13 14-15 0_1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 G. M. T. Day 1 γ 764 5 6 Q 7 Q 8 Q 744 743 747 722 10 Q 751 13 14 15 0 771 750 3 0 746 17 D 18 757 6 756 745 705 23 D 24 D 752 717 748 753 753 81.9 27 D 747 58 **Y**ean

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS:

				`				Te	rrestri	al Magne	tic Eleme	nts		•]	Magnetic	Temperatur
Дау			Horis	ontal Fo	rce				De	clinatio	a				Ver	tical Fo	rce		HR _H +VR _V	Character of Day	in Magnet
<i></i>			:1.mum .000 γ +		imum 000 _Y +	Rang		Maxi 1	.mum 30 +		imum 3° +	Range		Maxi 46,0	Lmum 2000 _Y +		imum 000 γ+	Range	10,000 γ²	(0-2)	House 200 +
1 2 3 4 5	h 21 19 20 0 5	53 26 37 33 50	Y 466 472 472 483 465	7 387 416 410 412 435	h m 8 5 10 11 44 1 5	56 62 7		m 9 12 2 25 1 58 6 44 3 4	29.6 27.1 19.5 20.7 18.6	, 4·1 5·3 4·0 0·8 2·6	h m 20 20 19 17 20 24 1 8 20 44	25·5 21·8 15·5 19·9 16·0	h 8 15 11 19 20	m 57 30 51 5	Y 781 771 765 786 762	7 736 694 691 661 742	h m 4 15 4 5 24 0 0 35 5 50	Y 45 77 74 125 20	325 440 435 685 146	1 1 1 0	° A. 78·6 78·7 79·0 79·4 78·9
6 Q 7 Q 8 Q 9 Q 10 Q	23 6 23 0 20	22 44 45 12 48	459 467 474 476 464	446 449 448 444 444	9 1 0 1 13 3 22 5 22 4	26	2	2 10 3 5 3 50 0 10 5 50	17·3 17·5 18·7 18·9 19·8	12·0 11·7 10·2 10·6 8·8	22 18 19 25 22 27 22 40 23 26	5·3 5·8 8·5 8·3 11·0	15 17 19 22 22	7 4 58 50 44	757 755 753 758 764	742 739 725 717 735	23 22 9 40 23 56 0 20 10 56	15 16 28 41 29	80 101 168 237 159	0	77·8 77·3 76·9 76·7 76·8
11 12 13 14 15	17 22 5 23 6	53 52 15 6	467 478 462 491 468	434 436 433 439 424	0 5 23 4 0 24 24 6 16 5	29	1	1 2 4 6 2 22 2 47 2 47	26·3 18·3 18·2 18·3 19·0	4·1 1·6 3·6 2·3 2·0	2 19 22 45 0 0 24 0 0 1	22·2 16·7 14·6 16·0 17·0	23 18 19 22 16	50 26 13 53 54	765 765 763 756 782	693 702 724 721 737	1 31 22 53 0 0 23 33 0 0	72 63 39 35 45	340 355 238 238 278	1 1 0 1	(77·5) (78·8) (77·5) 76·1 76·1
16 17 D 18 19 20	23 22 20 0 7	39 24 31 30 50	478 491 480 465 464	439 260 404 438 432	11 10 2 1 2 1 11 4 6 3	231 76 27		1 55 8 40 2 5 4 35 1 27	18.0 25.7 19.9 18.9 19.8	-6·4 -11·1 -3·3 5·9 10·8	23 ['] 51 22 19 20 20 0 15 20 24	24·4 36·8 23·2 13·0 9·0	23 16 14 18 20	21 2 34 49 53	774 820 781 765 763	745 539 669 724 734	23 39 2 24 0 12 0 17 2 46	29 281 112 41 29	192 1640 632 230 181	1 1 0 0	77.0 77.9 78.0 78.1 78.1
21 22 23 D 24 D 25	7 21 20 19 23	46 55 16 5 36	469 462 489 497 485	385 395 387 410 424	21 1: 23 0 20 22 50 2 2:	102 102	2 1	1 8 0 35 0 34 3 8 1 57	31·5 19·7 26·8 21·7 23·1	4·2 -3·4 -5·5 -8·5 4·4	22 13 1 31 0 23 18 55 19 54	27·3 23·1 32·3 30·2 18·7	20 16 19 16 18	20 5 16 53 41	799 777 811 796 774	723 700 650 689 696	21 7 23 58 21 4 22 43 2 15	76 77 161 107 78	476 456 898 625 465	1 1 1 1	78 • 2 78 • 6 79 • 0 78 • 9 78 • 6
26 27 D 28 D 29 30	22 19 1 7 6	20 50 3 4 45	493 541 486 457 459	416 328 66 423 414	1 14 23 36 0 56 1 56 12 36	213 420 34 45	1	3 22 1 45 2 46	22·0 25·8 22·0 23·9 22·6	3·7 - <u>19·5</u> -12·5 12·0 9·4	0 24 22 19 2 36 0 58 21 14	18·3 45·3 34·5 11·9 13·2	16 19 0 0 14	6 45 57 5	769 879 780 757 765	691 648 579 737 737	1 54 23 35 2 21 2 6 9 21	78 231 201 20 28	485 1381 1546 142 195	1 1 2 0 1	77·5 76·4 75·5 75·4 75·3
31 fean	7	41	468 476	401	8 5		_	9 27	26·3 21·8	2.4	3 40	16.3	9	2	757 776	713 701	2 36	44 75	302 454	0.71	76 · 2 77 · 6
of S Used			31	31		+-	╅		31	31		31	-		31	31		31	31	31	an

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

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

9. LE	RWICK	(H)					ı			1	4,0 00	٠,	14 C.	G.S.u	nit)	+							FEBRU	ARY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	Υ	Υ	Y	Y	Y	Y	Y	¥	Y	Y	Y	y	Y	Y	Y	Υ	Υ	Υ	γ	Y	Y	γ	Y	Y	Y
1 D	451	451	449	451	452	453	554	449	437	425	418	420	430	448	458	450	454	470	471	441	413	390	342	333	434
2 D	306	324	356	377	405	415	442	437	441	433	420	419	432	438	458	448	458	468	544	543	441	431	428	429	<u>429</u>
3	430	433	434	438	442	444	448	451	435	423	420	422	427	426	443	443	439	442	439	441	437	433	438	441	436
4 Q	437	441	438	441	444	447	449	450	446	438	438	438	441	441	444	444	448	449	448	444	448	445	446	450	444
5	445	442	445	449	452	457	453	456	450	443	439	439	444	448	448	449	445	448	451	451	451	448	452	442	448
6	451	445	446	447	446	458	461	455	449	438	433	433	437 ⁻	441	447	449	448	451	449	449	449	448	450	449	447
7	447	447	448	447	449	454	455	455	450	451	446	448	452	452	448	449	455	461	460	457	455	452	447	441	451
8	435	442	448	449	453	452	450	447	442	440	438	437	438	449	454	448	439	456	459	458	456	457	458	459	449
9	447	455	441	444	453	457	457	453	447	447	442	443	446	443	451	456	457	459	457	454	456	453	449	450	451
10	449	451	449	451	449	450	457	458	455	441	445	449	449	453	455	463	438	455	455	455	455	455	454	456	<u>452</u>
11 Q	454	454	453	451	449	448	451	454	454	451	446	445	446	448	449	450	454	457	459	460	458	453	452	457	452
12	457	452	444	445	450	451	449	451	453	448	441	445	445	449	455	457	460	457	454	453	454	456	455	455	451
13 D	449	452	448	440	446	450	458	460	452	455	454	457	435	442	455	459	462	461	449	428	441	381	291	373	437
14 D	391	387	380	429	427	407	443	425	418	429	433	424	426	462	448	462	460	444	449	454	460	451	451	446	434
15	448	435	444	435	429	441	445	447	443	439	438	435	438	443	447	447	432	441	439	435	432	429	444	445	440
16	442	445	446	445	448	453	454	445	445	444	437	428	425	429	448	451	447	447	454	443	451	449	453	443	445
17	451	443	434	427	432	446	451	452	438	430	429	430	434	442	441	448	451	449	451	453	463	456	447	445	443
18	449	443	454	442	456	457	464	462	451	439	434	437	444	448	454	457	451	454	453	470	440	433	441	461	450
19 Q	448	447	447	448	451	451	452	454	452	445	443	438	442	445	443	448	453	456	448	454	457	457	455	453	449
20	452	451	451	453	452	452	456	461	460	454	453	449	449	448	456	450	448	458	462	465	445	441	452	441	<u>452</u>
21	422	432	446	446	452	452	452	461	455	444	440	402	436	450	444	445	448	447	441	449	468	456	437	438	444
22	438	444	428	424	444	456	457	453	448	441	430	430	438	443	443	450	451	453	455	461	452	449	450	453	445
23	450	447	453	449	457	451	444	450	454	447	441	439	435	446	452	453	458	451	453	442	440	440	465	447	449
24	452	452	447	447	449	450	449	451	443	438	425	418	417	441	454	454	464	461	449	427	437	417	433	434	442
25	426	423	429	435	437	440	446	443	435	438	430	436	442	447	450	452	452	456	458	460	462	462	461	457	445
26 D	452	452	455	448	430	448	458	451	451	435	434	426	421	440	449	451	439	442	438	441	443	440	435	442	443
27 Q	435	444	442	445	442	442	446	446	442	437	434	431	434	438	438	443	444	447	449	450	451	448	447	448	443
28 Q	448	448	447	447	448	450	452	452	448	440	433	432	432	435	447	453	450	450	451	451	453	451	455	451	447
Mean	438	439	439	441	444	448	452	451	446	440	436	434	437	444	449	451	450	- 453	<u>455</u>	453	449	442	439	441	445

MAGNETIC DECLINATION (WEST)

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

10. LERWICK (D)

13° +

FEBRUARY, 1935

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 D 3 4 Q 5	14-8 43-1 16-0 13-3 14-2	15-4 -9-5 15-5 14-1 15-6	14-5	15.0 3.1 14.9 15.0 13.9	13-8	, 16.0 17.3 13.9 13.5 13.6	13-7	13.3	16.9 13.5 13.6	14-0	19-8 18-9 18-5 14-9 15-3	15·2 16·0	22-8 20-6 19-9 15-5 18-0	22.9 17.2 15.4 18.8	22.7 16.1 15.2 18.2	24.6 21.2 15.1 15.2 18.5	15-1 17-4	21.8 14.8 14.3	25-7	6.2 22.1 13.5 14.5 13.6	5-1 12-6 10-2 13-4 13-2	1.6 12.8 9.7 13.6 12.2	10-6 12-4 9-2	-7·2 13·2 12·1 13·0 10·3	15-2 14-6 14-9 14-3 14-6
6 7 8 9 10	13.5 13.1 9.3 9.7 13.2	13.9 14.1 12.0 12.1 15.0	13.8 13.8 15.3 9.8 12.8	12·2 12·1 13·0	12.6 12.3 13.7	13·1 13·3	13·2 13·5	14·1 13·2 13·1	14·1 14·9 14·1	14-9	15.9 16.3 15.7	17.0 16.8 15.9 17.2	17.5 17.9 17.4	17.9 17.6 17.3	20·3 18·2 16·9 17·2	19-5 18-5 16-1 19-8	15-0	16·3 15·5 15·5 17·6	15-6 14-5 15-8 17-1	14.9 14.5 15.4 15.4	15·1 13·9 14·5 14·0	9.3 10.8 11.8 13.5	9.4 11.1 12.0 12.9	12-1 10-8 12-5 11-3	14-8 14-2 14-2 14-9 14-0 14-1
12 13 D 14 D 15 16 17	8.5 12.6 -4.3 13.2 14.6 10.0	10.7 12.0 11.6 18.5 14.7 10.7	11.9 13.7 7.9 12.0 14.1 14.4	11·3 0·7 12·7	12.1 9.4 7.9 15.3 13.3 15.2	11.7 11.9 8.4 13.0 12.7 13.2	13-0	12.7	15·1 17·5 11·5	13.2 11.3	13·9 16·0 13·2	19·2 17·1 15·1 16·1 15·2	20·5 17·8 15·4 19·2 16·7	17.0 16.6 19.8 18.0	24.0 16.1 17.0 19.2 17.5	16-1	13.5 11.6 14.1 12.6 15.3		17.7 12.0 6.6 6.1 11.1	15.9 7.2 9.1 3.7 15.0 13.5	14.2 5.0 11.0 8.8 12.4 9.6	-6.7 12.2 11.8 12.2 9.5	-4.0 12.3 10.5 11.2 11.2	-4·3 12·1 12·6 9·9 11·6	12-0 11-5 12-9 13-6 13-4
18 19 Q 20 21 22 23	10.0 12.5 13.3 11.0 13.7 11.6		13-4	15.8 13.2 11.4 15.3	10.7 13.5 12.1 11.2 11.6 11.4		12·9 13·6	12.8 12.5 11.1 12.1 13.3 13.4	10·5 14·3 13·0	11·1 13·2 13·5	14.2 14.3 14.1 15.4 14.2 14.5	15.2 15.2 19.6 15.4		16-1	17·4 20·1 20·4	18-8 15-7 20-2 19-7 16-4 17-6	16.0 17.4 13.0 18.0 15.0	15.9 15.2 15.8 9.5 14.7 15.1	13.1 11.8 8.6 16.6 10.9 13.8	-0.6 14.1 3.7 15.5 10.3 14.3	6·4 13·9 7·8 8·0 11·2 13·4	10·1 13·4 5·9 5·6 12·5 11·8	9.5 12.8 5.4 9.1 12.5 5.0	12.2 13.3 4.0 11.2 12.2 5.3	12-7 14-1 12-1 13-3 13-4 13-8
24 25 26 D 27 Q 28 Q	7-8	6.6 11.0 10.3 13.1	10.2 3.7 4.4 13.1 12.5	12.0 5.7 2.9 12.2	12-2 5-7 6-6 12-8 13-2	12-6 8-1 10-9 13-0	12·3 9·7 11·4 12·7	12.0 12.0 11.4 12.8	13·3 14·0 12·8 12·4	13·3 16·0 13·8 13·5	15·0 17·1 16·1 14·7	16 • 2 18 • 8 18 • 2 15 • 8	19.8 20.0 19.9 17.1	21.5 22.1 19.4	23.0 20.5 20.5 15.9	21·1 16·9 21·9	21.0 16.9	17-4 16-6 10-2 14-2	11.6 16.4 12.9	13·1 16·0 14·4 13·3 13·4	9.9 15.2 12.2	8.2 14.0 6.5 12.2	11·4 12·4	7-1 12-5 11-6 12-1 12-0	13-5 13-8 12-7 13-7 13-5
Mean	10-6	12•0	11•6	11•6	12-3	12-6	13-0	13-0	13-6	14-1	15•3	18-8	18-0	18-4	18-7	17-8	16-1	15-5	13-8	12.5	11-6	10-3	10-0	9-9	13-7

FEBRUARY, 1935

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time 46,000 y (.46 C.G.S.unit) +

12-13 13-14 Hour 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Mean 0-1 G. M. T. Day 1 D Y 744 711 Υ 844 Υ 743 742 γ 814 779 725 726 574 ด่า 763 2 D 3 4 Q 5 751 750 742 745 742 741 742 745 746 747 753 745 745 747 747 746 746 74R 11 Q 735 742 756 770 793 679 737 726 773 13 D 743 747 14 D 17 733 736 747 749 745 748 751 756 760 742 19 Q 20 734 750 744 743 757 740 740 743 743 742 739 743 747 6 727 743

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

25

26 D

27 Q

28 0

Mean

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11. LERWICK (V).

PEDDITARY 1075

									restrial	L Magneti	c Elemen	ts								Magnetic	Temperatur
Day			Horiz	ontal Fo	rce			• •	1	Declinati	.on	· · · · · · · · · · · · · · · · · · ·			Ver	tical Fo	rce		HR _H +VR _v	Character of Day	in Magnet House
		Maxi 14,0	mam 00 γ +		imum 000 γ +	Ra	ange	Maxi 13	mum 9 +	Mini 13	mum O.+	Range		Maxi 46,0	ուսո 00 γ +		imum 000 γ +	Range	10,000 γ2 8	(0-2)	200 +
1 D 2 D 3 4 Q 5	h 18 19 7 18 22	9 8 27 27 47	γ 500 <u>622</u> 455 453 468	294 273 405 431 436	h m 23 5 0 5 13 1 2 1 11 4	8 7 4 6	Y 206 349 50 22 32	h m 16 29 18 8 11 58 2 25 14 22	34·4 34·4 25·2 18·0 19·2	, -10·9 -20·3 6·6 12·1 5·0	h m 23 33 0 44 18 55 22 27 22 52	, 45·3 54·7 18·6 5·9 14·2	h 18 19 12 15 16	m 21 21 52 15 22	951 948 825 756 757	Y 621 499 741 733 722	h m 24 0 4 18 23 40 2 54 22 55	Y 330 449 84 23 35	1837 2598 455 144 209	1 2 1 0	°A 75·9 76·0 75·6 75·0 74·2
6 7 8 9 10	7 22 23 0 15	11 0 55 0 32	463 471 469 485 472	429 435 427 437 423	11 1 23 15 5 10 5 16 2	4 B 1	34 36 42 28 49	13 15 14 52 15 17 12 52 16 4	17·4 21·3 20·7 20·3 22·4	9·6 5·6 6·9 8·2 10·7	23 9 21 50 0 15 0 25 23 2	7·8 15·7 13·8 12·1 11·7	17 21 16 19 16	52 37 15 45 45	751 764 772 764 780	720 733 727 725 737	0 46 22 4 24 0 1 45 1 33	31 31 45 39 43	193 196 275 218 271	0 1 1 1	74·1 74·0 74·5 75·9 76·5
11 Q 12 13 D 14 D 15	19 0 20 16 0	37 57 34 3 16	462 474 505 477 475	443 435 <u>0</u> 300 412	11 1 10 2 22 5 1 5 20 5	2 5 8	19 39 505 177 63	12 30 13 26 20 9 13 25 1 14	16·6 19·4 33·8 23·1 22·1	7·8 7·6 - <u>29·2</u> -8·4 -0·6	24 0 0 17 22 57 0 21 19 36	8·8 11·8 63·0 31·5 22·7	22 19 15 13 16	10 21 53 45 32	755 759 834 820 790	740 707 400 521 701	23 59 1 15 23 5 2 39 1 36	15 52 434 299 89	98 299 2750 1650 510	0 1 2 1 1	76·6 76·6 76·9 76·7 76·1
16 17 18 19 Q 20	18 20 19 21 19	25 59 27 15	488 478 493 460 482	420 425 424 437 432	12 4 3 3 20 5 11 2 24	1	68 53 69 23 50	15 3 13 12 15 15 14 6 14 33	21·7 18·3 19·4 18·6 21·3	-5·8 4·5 -7·0 7·3 2·0	18 22 20 40 19 24 18 43 19 8	27·5 13·8 26·4 11·3 19·3	18 16 19 18 18	20 52 14 50 11	828 757 769 766 781	721 694 693 724 728	24 0 0 59 3 0 0 0 24 0	107 63 76 42 53	598 366 445 224 320	1 1 1 0	75·8 76·1 76·3 77·3 77·7
21 22 23 24 25	20 19 22 18 14	36 43 35 34 22	481 486 502 477 467	381 417 428 404 407		4 5 7	100 49 74 73 60	13 53 13 45 14 0 14 52 13 22	22·1 19·0 21·1 24·3 23·4	2.6 6.9 -3.5 4.8 0.2	21 23 2 3 22 35 20 43 2 29	19·5 12·1 24·6 19·5 23·2	16 17 20 18 0	45 4 4 33 5	795 758 784 848 764	660 697 701 718 664	1 27 1 6 23 18 1 14 2 1	135 61 83 130 100	769 360 494 726 553	1 1 1 1	77·6 77·9 77·5 76·3 75·2
26 D 27 Q 28 Q	6 21 22	4 0 53	466 453 464	409 429 427	12 5 0 2 12 1	4	57 24 37	15 17 12 50 13 26	23·5 17·8 18·0	1·2 11·2 10·1	4 9 20 56 22 31	22·3 6·6 7·9	16 21 16	48 47 52	852 750 755	706 731 740	6 4 1 7 23 2	146 19 <u>15</u>	763 128 129	1 0 0	74·2 74·0 74:7
ean			479	394		1	85		22.0	1.6		20-4	-		794	686		108	628	0-86	75-9
of Used			28	28			28		28	28		28	Ī.,		28	28		28	28	28	28

625 741935 032 0 1 1881140 TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

Bour	13. L	ERWIC	K (H)				l				14,	000 γ	(•14	C.G.	S.uni	t) +							MA	RCH,	1935
1 450 449 449 450 455 465 468 457 458 457 458 457 458 457 458 457 458 457 458 457 458 458 457 458 458 457 458 458 459 459 459 459 459 459 459 459 459 459		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
6 455 454 452 453 451 454 455 455 456 457 456 458 459 458 459 458 17 434 432 436 447 453 453 453 458 453 452 448 445 442 446 444 443 440 431 440 433 443 440 433 440 433 445 451 455 455 459 438 451 455 455 459 438 451 452 455 455 459 438 451 452 455 455 458 459 438 451 452 458 458 458 458 458 458 458 458 458 458	1 2 3 4 Q	450 446 447 445	450 448 451 441	448 438 444	452 446 448	455 448 449	462 451 451	458 464 452 451	457 458 454 451	451 447 453	426 433 439 447	431 440 438 440	443 440 436	442 447 441	437 428 451 446	449 459 449	453 458 451 448	449 450 447 452	452 436 448 454	447 450 466 457	445 451 457 456	450 438 457	453 451 445 455	454 454 451 456	449 450 447 455	Y 446 449 448 449 452
11	6 7 8 9	455 447 431 444	454 449 439 445	452 447 445 444	453 448 446 452	451 449 448 448	454 451 447 448	454 454 446 448	458 453 444 446	448 447 443 444	437 440 440 439	434 433 436 435	432 435 433 434	436 435 438 442	447 441 440 450	453 450 453 458	453 459 462 440	458 452 462 451	453 465 460 456	452 462 467 456	448 458 454 457	445 455 458 456	442 455 452 455	446 459 445 452	444 436 447 450	448 449 447 448 449
16 D	11 12 13 D 14 D	443 454 471 449	446 451 419 448	448 452 442 442	451 453 439 453	448 453 414 446	453 455 449 450	454 456 461 424	451 458 463 406	446 455 452 418	435 451 440 382	436 443 444 418	447 440 421 415	455 442 421 447	448 447 446 503	456 451 477 533	460 456 494 536	443 456 533 588	443 456 527 485	446 458 461 466	460 462 438 445	459 464 449 428	459 467 453 432	459 468 455 440	456 464 452 430	450 455 455 453 428
22 419 371 434 441 454 455 456 450 439 436 429 427 432 441 449 454 455 456 457 456 459 450 454 451 23 453 452 444 452 455 456 455 450 443 430 420 418 422 436 449 455 461 461 460 463 461 452 460 443 256 450 442 445 445 445 451 453 456 451 452 460 453 451 453 458 451 451 451 451 451 451 451 451 451 451	17 18 19	449 423 444	443 455 428 430	422 447 445 444	443 449 448	424 448 450	434 432 449 453	433 450 447	438 446 443	439 441 434	427 431 421	419 430 421	428 433 422	434 435 428	448 438 437	453 447 443	458 459 446	459 464 451	448 460 450	453 456 464	456 460 450	449 449 449	455 446 441	457 446 437	452 444 433	441 444 445 441 447
27 Q 446 451 450 446 447 463 463 454 446 437 435 434 435 444 459 459 459 453 466 461 461 462 463 464 464 464 464 464 464 464 464 464	22 23 24	419 453 445	371 452 443	434 444 430	441 452 447	454 455 466	455 456 478	455 455 461	438 450 458	439 443 445	436 430 435	429 420 431	427 418 437	432 422 440	441 436 443	449 449 456	454 455 469	455 461 452	456 461 466	457 460 454	456 463 462	459 461 457	450 452 437	454 460 441	451 447 453	455 442 448 450 447
31 452 456 454 452 440 447 459 454 443 428 421 428 423 429 450 447 457 459 459 455 455 455 455	27 Q 28 Q 29 Q	446 458 452	451 457 454	450 457 455	446 458 458	447 458 460	463 459 458	463 459 457	454 454 454	446 446 446	437 438 437	435 426 431	434 427 428	435 439 432	444 448 439	459 452 449	458 459 456	454 459 454	458 453 456	462 456 457	463 457 459	463 456 458	466 456 462	461 459 463	462 455 462	452 452 452 452 452 459
Mean 445 441 444 448 447 452 452 448 443 434 432 431 436 447 459 461 464 461 459 455 454 451 452 449		ļ		ļ																						447

11.3/10.2/8/1935/031/01/88/130}

6.6 10.6

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11·4 10·7

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14·1 13·7

14·4 13·4 14·2 12·7

13.2

13-1

12-7

12-1

13.6

11.7

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14.6

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11.3

11-9

MAGNETIC DECLINATION (WEST)

Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time 14. LERWICK (D) 13° + MARCH, 1935 Hour 12-13 13-14 14-15 17-18 1-2 4-5 5-6 7-8 8-9 9-10 10-11 11-12 15-16 116-17 18-19 19-20 20-21 21-22 Day 18.0 17.1 12·3 13·0 11.6 13.3 18.0 16.1 1 2 13-1 13.3 12-6 12.4 12-7 12-1 12.3 13.6 20.3 25.0 25 - 4 23.8 20.5 15-9 14.8 11.4 14.3 14.2 14-1 12.5 15·6 15·0 13.2 12.8 19.0 17-6 15-2 13-4 11.8 14-9 15.4 18-4 20-6 20-0 18-8 14-1 12-0 12-1 12-1 12.4 12.6 13-0 14·3 16·7 6·1 12·7 14.7 11.7 12.1 16.8 17.6 17.2 17-7 8-2 9.4 12.7 12-9 11.5 16·1 18·7 13.8 **4** 5 Q 10.9 18-0 14.3 13.5 12.4 11.4 11.3 13.5 15.2 17-9 17.7 15.2 12-2 12.3 12.6 13.7 12.2 11.9 13.8 16.2 17-7 12-3 11.9 12-2 19-4 16.1 20-0 12.8 13-4 13.4 13-0 12.9 17.6 6 10.6 10-2 10.7 12.7 15.2 18 - 7 19.0 14.9 10.0 10-2 9.2 10.0 10.0 10-1 15.9 10-4 12.2 12.3 12.0 11.8 13.4 16.0 18·4 17·7 16.8 7.8 11-3 12-5 12.5 12.3 18-7 16.0 9·1 11·3 15·4 13·7 17-9 8 3-7 6.5 5.7 7.0 10.3 10.0 10.7 13.9 15-1 17-4 17.0 17-4 15.6 15-4 16.0 15.0 10.4 10-7 12-3 21.6 13.2 13.3 9.9 10-4 10.9 11.5 13.2 15.2 20-9 18.6 14.6 14-2 13-1 9.5 6.8 9.5 11.4 11.3 19.3 12.3 11-8 20-0 10 Q 10-6 12.1 11.5 12-3 20.0 11 11-1 11.9 10.4 9-8 11.8 13.0 16.9 17.4 21.8 23-5 20-8 14-6 13.3 14.5 15.4 1.3 12-1 12-6 12-6 12.7 13·1 7·7 12.1 11.5 13-6 17-0 17-7 16.9 16.0 15-2 15-0 14.5 14.3 14-2 13-6 13 D 14 D 11·3 19·7 14-7 16·4 17·3 21.7 21.8 24.3 -4-4 -2-5 3.5 6 • 4 11.7 9.8 10-4 15-6 18-8 21.8 24 • 4 15.0 14.3 13.9 13.2 13-1 26·1 15·7 12.5 10-7 8-7 8-4 18-7 19.7 28.5 18-9 20-8 14-3 13.0 8-0 15 D 11.4 14.3 22.5 17-4 15.3 16.8 17-2 20.2 22-2 15-1 6.7 10.0 10.6 13·3 13·3 13·0 13-2 14-0 17 18 11.5 10.9 12.0 11·1 10·9 14·2 14·3 15·5 15·7 11.3 11.6 14.7 3.2 12-8 12.5 10.4 9•8 11.8 12-1 16.9 20.1 15.9 15.3 15.1 9-4 15-6 13.6 13.5 6.1 9.5 10.0 10.3 10.9 12-6 16.9 16 • 4 16.0 14-C 10.1 13.6 13.0 12-6 15-0 11-8 9.8 11•C 10-9 9.6 10-8 19-1 18-6 7.5 7-8 12.0 11-1 10-4 9.8 8-3 7-6 7-6 10.0 16.5 19-1 17.5 18.3 16 • 4 17-1 15.3 11-8 10-9

> 14-9 15-2

18.7

15.8 17.8

16.7

17.0

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20.5

19.6

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17-1 16-7

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11.3 12.2

9.2 12.3 9.7 11.7

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10-5

10-5

11.3

12-1

15-6

12.6

14.3

14.2

14.4

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

46,000 y (.46 C.G.S.unit) + MARCH. 1935 15. LERWICK (V) Hour 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 6-7 7-8 8-9 9-10 10-11 11-12 Mean 0-1 1-2 2-3 3-4 4-5 5-6 G. M. Day 771 γ 754 γ 758 Υ 797 Υ 760 743 743 747 726 750 757 746 4 Q 5 50 749 745 741 749 748 747 748 745 747 738 748 755 752 748 738 753 742 741 742 745 10 Q 747 12 749 748 739 742 752 755 755 910 757 753 13 D 736 717 708 759 14 D 15 D **74**3 16 D 746 747 747 751 744 743 744 748 749 752 764 776 790 737 747 744 19 704 726 746 755 750 748 747 749 749 751 752 751 752 752 737 745 25 745 8 744 744 27 Q 28 Q 29 Q 747 749 747 745 744 744 747 30 D

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

T DOWT OF

									Ter	restria:	l Magneti	.c Elez	ment	8					i]	Vo modd -	
ау			Hori	zontal F	'orce		ś.			De	clinatio	n					Vert	ical For	rce			HR _H +VR _v	Magnetic Character of Day	Temperatur in Magnet House
ALY			imum 000 γ +		imun 000 γ	+	Range		Maxi 13	o + wm		imum .3° +		Range		Maxi	шиш 100 ү+		nimum ,000 y	+	Range	10,000 γ ² ⁸	(0-2)	200 +
1 2 3 4 Q 5	h 18 16 18 22 22	m 19 40 46 11 5	Y 467 469 528 459 481	Y 403 412 430 430 427	h 12 13 2 1	7 20 37 20 15	Y 64 57 98 29 54	h 12 13 2 1 13	m 46 5 46 20 3	30·4 22·8 21·8 21·2 20·7	8·4 8·6 -9·2 8·4 0·3	19 21 19 0	m 26 50 26 0 41	22.0 14.2 31.0 12.8 20.4	h 19 16 18 15 20	m 4 54 45 56 59	Y 816 811 849 759 761	7 739 739 708 721 682	h 10 8 22 1 22	m 52 30 46 50 24	Y 77 72 141 38 79	452 419 804 219 446	1 1 1 0	°A 75·3 75·7 76·0 76·0 76·3
6 7 8 9 10 Q	16 22 18 14 15	41 44 55 45 34	463 471 473 465 467	430 422 420 426 435	11 24 0 11 10	22 0 2 0 15	33 49 53 39 32	13 13 19 14 13	56 15 6 7 25	19·5 19·4 21·9 22·8 21·3	6·5 -1·3 2·2 5·4 6·7	23 0 1	55 16 48 23 50	13.0 20.7 19.7 17.4 14.6	19 19 19 15 20	36 5 24 14 26	776 767 777 769 784	724 730 719 735 731	0 24 0 12 1	0 18 30 44	52 37 58 34 53	286 243 347 215 293	0 1 1 1	76-4 76-6 77-3 77-9 78-0
11 12 13 D 14 D 15 D	15 21 17 16 14	16 51 35 21 15	468 474 605 689 544	432 438 397 348 312	9 11 4 9	30 25 23 21 40	36 36 208 <u>341</u> 232	14 13 16 13 13	59 45 10 39 43	25·8 18·0 35·2 36·1 29·1	6·3 -3·6 -14·8 -23·5 -3·9	24 18 17	15 0 34 11 40	19·5 21·6 50·0 59·6 33·0	15 23 17 15 14	55 33 35 53 7	810 755 951 <u>958</u> 824	733 744 681 605 <u>545</u>	12 24 4 21 1	5 0 49 12 44	77 11 270 353 279	411 103 1560 2139 1636	1 0 1 2 1	78·1 78·2 78·4 78·5 78·4
16 D 17 18 19 20	17 21 19 20 18	11 17 55 33 16	493 489 471 469 504	411 413 411 406 425	10 0 1 22	48 17 44 2 47	82 76 60 63 79	23 13 20 12 12	25 54 6 24 46	24·8 21·5 25·1 19·9 22·0	-10-1 -8-6 3-7 -0-2 -4-3	21 1 1	58 15 21 19 14	34·9 30·1 21·4 20·1 26·3	16 14 18 20	56 27 23 9 5	816 773 793 789 818	680 653 633 687 706	24 24 0 0 23	0 0 44 48 53	136 120 160 102 112	753 665 837 562 637	1 1 1 1	78·1 77·9 77·2 77·0 77·7
21 22 23 24 25	15 20 22 5 21	50 17 38 8 39	545 463 472 487 474	400 334 414 420 411	23 1 11 2 12	55 53 38 5	145 129 58 67 63	14 13 13 15 15	56 0 6 34 40	26 · 8 17 · 4 19 · 3 28 · 7 23 · 3	-10·1 -5·4 4·2 -3·4 5·5	0 23 20	58 2 54 46 14	36·9 22·8 15·1 32·1 17·8	17 21 17 18 15	35 31 9 19 28	886 760 764 803 771	672 656 700 613 703	23 1 23 3 2	58 53 25 25 25	214 104 64 190 68	1207 667 382 978 408	1 1 1 1	78 • 6 79 • 0 79 • 4 79 • 6 79 • 8
26 27 Q 28 Q 29 Q 30 D	21 22 21 14	47 26 43 34 41	475 472 464 466 534	426 428 420 427 413	10 11 11 11 12	55 56 14 20 15	49 44 44 39 121	15 12 12 12 12	34 45 26 58 42	21·1 18·4 19·9 19·3 35·0	6·2 6·5 8·8 8·4 -3·4	0 8 7	54 20 24 31 11	14·9 11·9 11·1 10·9 38·4	18 15 18 8 15	10 47 5 24 3	781 760 769 752 842	722 731 744 738 724	1 3 0 0 22	36 11 51 54 58	59 29 25 14 118	346 199 185 127 725	1 0 0 0	80-0 80-0 79-9 79-0 78-5
31 ean	17	37	463 492	415 411	9	58	48 82	12	7	20.8	8.8		28	23.4	16	12	784 801	736 698	5	17	103	294 598	0-84	78·4 78·0
of SUsed			31	31			31			31	31			31	_		31	31			31	31	31	31

3643B(1935(GH2	O (B D) HO TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT periods of sixty minutes ending at the hours of Greenwich Mean Time
(2)	

17. LE	RWICK	(H)		1		ì					14,0	000 ү	(•14	C.G.	S.uni	t) +							1	APRIL,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	56	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 Q 3 4 5	Y 455 455 459 461 461	Y 455 454 460 461 459	Y 455 454 461 460 457	Y 455 456 461 457 456	Y 455 456 462 459 455	Y 455 456 463 459 460	Y 455 455 461 459 457	Y 449 447 454 452 449	Y 438 436 440 443 436	Y 427 421 428 428 420	Y 422 413 424 423 411	Y 419 412 427 422 415	Y 423 417 428 430 428	Y 431 429 442 439 443	Y 438 441 454 454 455	γ 445 448 461 451 458	Y 451 455 458 462 457	Y 456 459 462 464 465	γ 461 463 466 471 467	γ 460 463 468 463 467	γ 458 463 468 463 465	γ 458 459 467 459 461	γ 458 460 466 465 462	γ 456 459 464 460 464	Y 447 447 454 453 451
6 Q 7 Q 8 9 D 10 D	457 464 459 471 450	454 463 460 464 453	459 462 456 446 457	461 461 460 421 459	461 463 466 448 458	461 464 476 439 458	457 465 472 421 458	449 462 462 398 455	438 449 448 390 445	427 433 433 404 435	422 419 418 404 417	421 413 409 416 418	426 414 426 424 462	436 427 445 441 449	444 442 449 452 472	451 455 445 450 457	457 462 477 453 483	462 467 474 459 570	465 468 478 462 552	466 468 478 461 530	465 469 476 455 481	464 467 475 450 393	464 466 482 449 286	464 465 476 448 357	451 454 458 439 452
11 D 12 D 13 D 14 15	374 421 405 435 449	269 422 388 428 444	377 414 325 435 430	424 402 426 444 431	432 414 437 440 438	431 400 429 439 441	438 402 448 443 449	417 432 439 435 448	395 404 429 424 438	382 392 421 415 424	335 394 420 418 417	394 405 399 426 416	422 411 413 424 424	471 434 431 424 435	498 451 474 436 444	513 463 505 453 446	464 509 502 455 461	486 483 500 463 466	494 465 483 467 471	469 477 459 460 468	444 456 457 455 462	367 446 436 449 461	421 393 450 450 463	463 397 451 452 460	424 429 439 440 445
16 17 18 19 20	458 432 452 446 454	454 447 452 452 450	453 434 452 453 451	453 442 447 454 454	454 446 453 454 454	453 444 452 454 455	440 448 436 450 453	446 444 439 444 446	446 436 431 436 433	433 425 423 424 421	428 423 423 417 411	412 424 419 420 415	424 425 410 415 430	433 434 428 438 441	442 443 435 448 448	472 464 442 466 457	478 466 461 477 455	474 470 460 471 461	460 477 464 464 466	458 468 469 464 485	457 461 474 473 462	454 456 454 461 456	439 458 444 455 469	453 455 448 451 456	449 447 445 449 448
21 22 23 24 25	453 454 456 438 457	452 455 456 450 458	452 455 461 449 453	451 453 465 451 444	455 455 467 455 459	457 452 462 455 456	453 449 463 450 447	445 441 458 440 448	436 428 446 430 440	424 419 429 424 430	420 418 413 421 426	422 424 415 426 425	431 428 431 430	436 443 423 441 441	452 457 445 455 458	458 470 456 458 466	458 478 460 474 471	467 472 467 476 474	466 470 471 473 470	467 470 475 467 466	462 465 483 471 464	456 482 454 461 485	454 463 427 452 468	453 462 433 455 468	449 452 450 450 453
26 27 Q 28 Q 29 30	465 460 462 467 472	463 460 460 466 468	461 456 457 464 466	459 458 458 464 467	456 456 455 464 466	455 457 458 460 467	454 453 456 455 464	455 450 453 450 457	446 445 448 444 447	429 439 438 441 431	422 433 435 440 431	424 432 441 441 438	432 437 447 444 446	443 445 455 448 460	451 454 460 454 463	456 460 462 458 464	469 464 460 459 476	471 468 465 466 484	475 470 472 472 477	473 469 473 476 480	468 473 474 481	466 471 473 476	464 466 469 472 480	466 467 474 478	455 458 459 <u>464</u>
Mean	450	446	445	450	453	452	45 0	445	435	424	417	420	428	440	452	460	467	473	473	470	465	455	450	454	449

1-3/B/1935/041/01/BB/B13.

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

18. LERWICK (D) 13° + APRIL, 1935

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 Q 3 4 5	, 12.5 12.6 12.3 12.3 11.4	, 12·3 12·4 12·2 12·7 11·8	, 12.0 12.3 12.1 10.2 10.5	, 11.7 12.2 11.7 9.5 9.8	, 11.5 11.9 11.4 9.8 9.3	10-8 11-3 10-6 8-6 8-7	9.5 9.9 9.0 7.9 8.5	8·2 7·7 7·2 7·3 7·7	7.6 6.9 7.0 6.9 7.6	9-0 7-8 8-8 8-4 8-7	, 11.6 10.4 11.8 11.4 11.9	, 14.7 14.4 16.2 14.7 15.0	18-1	, 18.0 19.3 18.2 19.1 18.7	18-0	15.4 16.1 15.8 16.9 17.1	14·4 14·1 15·2	, 12.6 13.2 13.0 13.1 13.9	13-1	9.3 12.5 12.8 12.3 13.0	11.6 12.2 12.9 12.5 12.8	11·3 12·4 13·0 10·7 12·9	, 11.5 12.6 12.5 6.0 13.6	12.4 12.6 12.4 11.2 10.8	, 12-2 12-7 12-7 12-0 12-4
6 Q 7 Q 8 9 D 10 D	9.7 12.3 10.5 10.9 11.4	11.3 11.9 10.4 11.8 11.1	11.1 11.9 9.7 16.1 11.0	10.6 11.8 9.6 5.8 10.9	11.0 11.6 6.6 2.8 10.6	10.7 11.3 7.7 14.1 10.0	9•7 10•6 8•8 17•7 8•6	8.5 8.9 8.6 11.5 7.6	8-6 7-9 8-5 18-2 7-5	9.5 8.0 9.3 19.5 7.8	11.5 10.1 12.3 18.8 10.6	14-2 13-7 15-9 18-9 15-1	16·7 20·6 21·4	19•1 19•5 22•8 24•4 25•4	18.0 18.8 22.1 24.7 31.2	16.7 17.3 19.5 22.9 28.5		15·1 13·4 27·6	13.6 14.0 12.0 20.2		13.0 11.3 13.6 12.3 7.9	12.6 11.2 13.4 12.4 4.9	12-4 10-4 10-4 11-9 5-0	12.4 10.1 8.3 11.6 7.6	12.7 12.6 12.9 15.1 14.3
11 D 12 D 13 D 14 15	7·1 4·4 12·9 9·8 11·6	-1.6 13.8 14.4 15.0 10.5	10.2 6.1 17.8 12.9 12.1	3·3 7·7 19·9 10·3 12·5	3-8 8-7 9-6 9-7 8-7	6 · 1 9 · 7 13 · 5 9 · 5 11 · 2	9.5 15.0 10.7 8.7 9.8	12.2 12.5 9.3 7.9 8.8	10.0 10.5 9.5 9.7 8.3	14.3 11.1 11.4 10.6 9.1	14.8 14.4 14.3 13.1 11.4		19.6 19.9 18.6 15.9	19·4 16·2 21·9 18·2 17·2	20-7 19-8 17-6 16-2 16-6	10-9 19-9 13-6 14-4 15-0	14-2	10•4 14•0	14-1 11-0 10-0 13-8	13-2	10.6 4.2 11.6 8.6 12.4	15·3 5·1 17·2 8·8 12·4	6-2 13-2 13-4 10-7 12-2	1	10.8 12.0 13.9 11.9 12.4
16 17 18 19 20	11.7 4.4 12.0 9.9 8.8	11.3 12.0 11.8 9.4 9.3	10-8 10-8 10-1 9-9 10-1	10-6 9-7 9-6 \$0-4 10-6	10-1 6-7 12-7 10-5 10-5	9.2 9.5 6.9 10.0 10.1	13-8 9-4 7-5 9-2 8-9	12-8 9-1 6-7 8-2 8-0	9·2 8·5 6·9 8·0 7·6	9.8 11.8 8.0 10.2 9.1	11.9 12.5 11.1 11.5 12.0	13.7 13.7 15.5 14.7 14.1	15·4 16·2 17·3 16·9 16·4	16 • 4 18 • 5 18 • 3 18 • 3 18 • 1	16.3 18.6 18.2 17.5 17.1	17·1 18·3 16·4 15·3 15·8	14-6 15-5 15-6 14-3	15-2 13-5 13-9 13-4	12-7	12·1 13·0 12·5 12·4 12·1	12·4 11·8 6·8 7·9 11·7	11.6 12.1 6.0 8.2 12.6	9·3 11·7 10·3 7·1 11·7	7·7 10·6	12·1 12·3 11·7 11·5 11·9
21 22 23 24 25	11.2 9.9 12.2 11.2 9.9	12.7 10.6 12.3 9.7 9.7	11-0 9-7 12-2 12-6 9-5	7-9 8-5 11-8 8-3 12-5	8-1 7-9 11-2 7-4 6-0	7-2 7-0 9-9 7-8 4-8	7.0 6.4 8.3 7.7 6.1	7·2 6·2 7·2 7·4 6·8	8·2 7·8 7·6 7·7	10.6 9.8 10.3 8.7 10.1	12.8 12.6 14.6 11.0 12.5	15.6 15.3 18.2 14.3 15.3	17.5 17.6 20.3 17.1 18.3	17.6 17.9 18.1 17.3 19.0			14.6 13.6 14.8 14.4	13.7 13.6 12.5 14.1 13.1	12·7 12·1 13·0 12·3		8·7 10·3 11·0 12·3 11·8	9.7 9.7 4.0 8.4 11.8	3·3 10·0 11·9	8·9 9·0 11·7	11.8 11.5 11.8 11.4 11.7
26 27 Q 26 Q 29 30	11.8 10.4 11.1 11.8 11.1	9•1 10•6 11•5 10•8	11.0 9.3 10.7 11.0 10.7	10·6 8·9 9·7 10·4 10·2	9·6 8·2 8·9 9·7 9·6	9·1 7·6 8·2 8·7 9·2	9.6 6.6 7.8 8.5 8.1	7.5 6.5 8.1 8.7 8.0	8·2 6·6 8·9 9·7 9·2	10-7 8-0 10-1 11-4 12-7	11.9 9.9 11.6 12.7 15.2	13.5 11.6 13.3 14.4 18.6	15.5 13.7 15.4 16.4 21.3	17.3 15.3 16.3 17.8 21.6	17-3 15-3 18-0 17-4 20-8	15-4 15-0 15-4 15-8 18-1	14.6 14.8 15.0	13-0 14-1 14-1 13-9 14-1	13·2 13·3 13·2	12-2 12-7 12-6 12-7 13-6	12.2 12.3 12.6 12.3 13.4	8.2 12.3 12.8 12.0 12.2	6.9 11.9 12.4 12.0 12.0	8.7 11.0 12.1 12.0 12.0	11.6 11.0 11.9 12.5 13.4
Mean	10-6	11-1	11-2	10-2	9-1	9-3	9-3	8-4	8-6	10-2	12-4	15-3	17-9	<u>18-8</u>	18-5	16-7	15-1	13-9	12-8	12.2	11-2	10-8	10-5	10-6	12-3

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

46,000 y (.46 C.G.S.unit) + LERWICK (V) APRIL, 1935 Hour 9-10 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Mean 4-5 5-6 6-7 7-8 8-9 0-1 1-2 2-3 3-4 G. M. T Day 1 750 752 747 749 747 51 749 Q 738 742 742 742 754 749 758 725 745 746 738 741 735 6 Q 7 Q 732 736 733 748 794 770 753 9 D 743 <u>758</u> 10 D 7AR 734 11 D 787 12 D 13 D 61 751 15 779 17 18 19 748 752 747 760 758 711 754 767 24 25 754 754 751 27 Q 28 Q **6** 75A 751 745

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

<u>766</u>

Mean

									Terr	estrial	Magnet	ic Elem	ent	8									Magnetic	Temperatur
Day			Horis	ontal F	orce					De	clination	n					Vert:	ical For	:			HR _H +VR _v	Character of Day	
		Maxi 14,0	.mum. 100 γ +		nimum ,000 γ	+	Range		Maxi 13	3o + ruman		imum 30 +		Range		Maxim 46,00			lmum 2000 γ +		Range	10,000 γ² *	(0-2)	200 +
1 2 Q 3 4 5	h 19 20 19 18 18	26 54 23 30	Y 465 466 470 476 469	Y 415 408 422 419 406	h 11 10 10 10	# 40 7 25 15 22	Y 50 58 48 57 63	13 13 12 13	m 35 26 17 3	18·4 19·5 19·3 19·7	, 6.9 6.6 6.6 3.6 6.4	19 1 8 1 8 22	n 18 17 4 6	11.5 12.9 12.7 16.1 12.8	h 9 16 17 15	m 41 37 17 50 58	7 759 753 751 760 752	Y 749 743 738 722 723	17 12 11 22	8 80 80 80 80 80 80 80 80 80 80 80 80 80	Y 10 10 13 38 29	120 131 135 255 226	0 0 0 1 1	78·5 78·2 77·8 77·1 76·5
6 Q 7 Q 8 9 D 10 D	19 20 16 0 18	34 28 21 16 15	467 472 498 477 613	420 411 405 375 122	11 12 11 8 22	15 11 20 30 14	47 61 93 102 491	13 13 14	30 51 39 43 14	19·5 19·9 23·7 25·7 33·9	8·1 7·7 5·7 -2·7 -5·9	4 3	2 14 35 36 33	11·4 12·2 18·0 28·4 39·8	8 20 16 16 18	10 15 45 0 25	747 746 749 814 887	726 731 720 564 639	22 4	0 51 48 20 35	21 15 29 250 248	166 158 270 1308 1868	0 0 1 1 2	76·5 76·3 76·6 76·9 77·0
11 D 12 D 13 D 14 15	15 16 17 17 17	14 52 1 26 55	552 556 548 471 478	177 344 229 406 412	1 22 2 9 10	53 43 28 36 45	375 212 319 65 66	15 3 12	24 35 11 25 25	27·0 22·2 27·6 19·5 17·5	-15·5 -9·9 0·6 6·3 6·9	16 4 16 4 20 5	33 46 45 58 26	42.5 32.1 27.0 13.2 10.6	15 16 16 15 15	41 41 40 15	879 843 829 774 76 0	556 580 572 710 721	23 2 0	17 5 38 8 20	323 263 257 64 39	2054 1533 1661 392 278	2 1 1 1	77•3 78•0 78•0 77•6 77•7
16 17 18 19 20	16 17 20 20 0	36 54 49 45 33	487 482 493 482 470	401 420 398 410 407	11 9 12 12 12	20 52 4 0 3	86 62 95 72 63	14 3 14	37 12 59 4 43	17.8 19.4 19.3 18.7	1.6 3.0 -5.7 5.4 7.3	0 2 20 4 20 4	25 29 44 44 20	16·2 16·4 25·0 13·3 11·3	17 18 17 17	31 20 50 17 2	807 785 771 779 763	671 687 680 697 694	0	6 0 23 0 51	136 98 91 82 69	759 547 557 481 408	1 1 1 1	78·0 78·0 78·3 78·7 79·5
21 22 23 24 25	19 16 19 21 16	34 24 11 1 9	469 484 481 482 481	418 414 407 420 424	11 10 10 10	15 36 47 38 30	51 70 74 62 57	12	56 6 24 35 56	18·1 18·8 21·0 17·8 20·2	6·4 6·0 1·0 5·7 4·4	7 4 22 20 5	6 40 2 58	11.7 12.8 20.0 12.1 15.8	18 18 21 19 19	12 55 3 25 0	768 784 779 769 764	731 741 694 680 717		42 54 0 33 5	37 43 85 89 47	246 302 503 505 302	1 1 1 1	79-6 79-8 80-0 80-0 80-0
26 27 Q 28 Q 29 30	18 18 18 23 17	39 17 50 46 14	479 472 474 479 491	421 431 434 439 428	10 11 10 10	26 6 45 46 58	58 41 40 40 63	14 13 14	17 30 20 5 44	18-0 15-7 16-5 18-1 21-8	5·4 6·2 7·2 8·2 7·6	6 5 7 6 3	16 55 0 13 57	12.6 9.5 9.3 9.9 14.2	20 21 2 0 17	56 36 35 2 56	763 760 757 758 767	741 737 748 744 733		30 16 18 56 55	22 23 <u>9</u> 14 34	187 166 105 123 249	1 0 0 0 1	80·2 80·6 81·0 81·1 81·3
Mean		••	489	388			101			20-4	3.4			17-0			779	696			83	533	0-80	78-5
of ys Used			30	30			30			30	30			30	.		30	30			30	30	30	30

13 1935 66 DI TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

21. L	ERWIC	к (н)							14,	000 y	(•14	C.G.	S.uni	t) +									MAY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 D 3 4	Y 474 221 465 458 461	Y 474 333 464 459 460	Y 741 375 460 455 458	Y 471 408 457 453 458	Y 470 431 455 452 458	Y 465 452 455 451 458	Y 462 446 455 446 453	Y 457 444 453 439 446	Y 445 434 446 432 436	Y 435 433 438 422 428	Y 433 441 439 425 427	431 442 435 432 430	Y 444 451 430 435 435	497 454 455 446 446	482 462 456 459 455	Y 459 463 457 465 459	Y 475 463 462 468 466	476 472 467 462 473	Y 485 471 461 464 466	Y 496 471 465 465 468	485 471 464 465 470	478 463 462 465 467	410 460 457 462 466	Y 255 463 457 460 467	Υ 455 434 455 452 452
6 Q 7 8 Q 9 Q 10 D	468 479 468 465 467	469 472 467 465 466	464 469 465 466 465	462 470 464 467 465	463 471 465 466 465	462 469 464 464 467	459 467 460 460 470	453 461 454 453 468	444 453 445 443 462	435 448 432 430 450	427 440 421 425 439	429 436 420 426 439	436 436 427 433 458	446 445 438 443 453	452 460 448 448 462	462 464 460 458 476	467 471 470 464 531	470 477 477 477 528	473 480 478 479 494	473 480 479 478 508	470 477 478 475 506	471 472 471 471 442	472 470 469 470 446	472 468 468 468 451	458 464 458 458 <u>470</u>
11 12 D 13 14 15	430 437 464 471 461	420 444 457 460 460	437 436 449 463 458	443 462 443 467 457	436 451 448 466 457	445 439 442 465 456	456 430 464 454 450	448 432 459 453 444	443 424 447 446 - 440	439 414 433 431 436	432 417 426 425 436	417 429 433 435 437	420 443 444 438 444	438 457 455 448 444	453 473 463 461 455	455 461 468 462 454	475 470 469 463 465	492 474 468 471 472	490 473 465 471 475	488 476 474 467 489	479 480 477 466 473	476 484 477 464 463	471 441 477 461 466	450 458 472 461 451	451 450 457 457 456
16 17 18 19 20 D	455 467 457 445 455	467 456 457 435 457	467 459 458 452 445	463 463 457 458 384	462 461 460 460 431	453 458 459 456 459	406 453 456 450 401	426 445 450 443 350	413 439 439 431 398	401 431 426 422 430	412 427 423 423 423 431	418 429 426 430 430	435 436 435 444 450	451 440 444 454 457	434 452 459 458 470	454 465 471 460 487	472 472 478 478 478	483 476 486 476 472	481 476 482 483 473	477 475 477 478 465	477 469 486 470 463	472 465 462 469 465	470 461 446 468 450	464 458 441 459 444	451 456 456 454 444
21 22 23 24 Q 25 Q	441 438 452 450 452	449 448 449 454 455	453 434 450 451 455	455 441 449 453 457	451 447 446 452 459	446 444 446 453 461	445 438 442 452 459	444 444 435 450 453	437 441 427 445 445	422 432 425 437 434	411 432 431 432 425	411 441 433 432 424	417 449 432 435 430	428 451 437 445 443	451 440 442 464 455	454 454 460 473 458	463 453 470 479 470	482 461 480 485 482	478 472 485 482 489	481 482 478 477 485	470 481 472 471 480	458 466 460 466 476	457 457 451 460 476	442 455 446 455 471	448 450 450 456 458
26 27 28 29 30	469 466 462 474 468	466 467 460 472 466	459 466 461 471 465	463 468 463 469 465	467 466 465 470 469	462 466 465 469 466	467 463	452 462 461 463 452	442 454 451 457 437	436 441 448 442 431	440 445 446 443 433	442 442 445 437 438	439 442 450 446 444	446 461 447 455 472	444 461 454 458 463	452 466 458 456 465	463 481 464 458 472	476 496 474 477 488	486 491 479 498 498	483 489 482 493 493	480 484 481 481 483	472 478 480 477 479	468 470 476 472 476	468 465 477 469 480	460 466 483 466 485
31 Mean	470 452	464 455	465 455	467 456	466 458	466	471 452	461	449 440	434	426 430	424	431	455	475 457	462	490 472	495 478	487	487 480	477	473 469	462	454	456

11.3/10.5/3/1954/05/05/BB/B13.

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

22. LE	ERWICK	: (I))				Ĭ		•			13	+						.					MA.	Y, 1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 D 3 4 5	, 11.5 -6.9 11.4 11.2 13.3	11.0 -9.4 11.5 10.9 11.5	10-7 -14-6 10-7 10-5 10-4	10.2 4.4 10.4 10.0 9.5	9·1 8·1 9·2 8·8 8·3	8·1 5·0 7·6 8·0 7·5	6.6 3.1 7.2 7.4 6.9	5.8 4.0 8.1 7.3 7.0	6-8 6-2 8-1 7-9 7-7	8·1 8·7 9·4 9·6 9·6	11.7 11.9 12.9 11.9	15·2 15·5 15·9 13·9 14·4	19·1 17·0 17·2 15·7 15·9	23.6 16.8 16.5 15.5 16.7	22.7 16.0 16.1 14.3 16.0	22.9 14.4 15.2 13.4 14.9	12-6	15.5 11.6 12.5 12.1 13.1	10·9 12·1 11·4	16·1 10·5 12·1 11·6 12·5	12·1 11·1	12.5 12.5 12.1 10.2 11.9	10-5	11-2 10-5	11-7 8-2 11-9 11-1 11-7
6 Q 7 8 Q 9 Q 10 D	12.5 11.8 11.6 11.4 10.9	11.7 11.0 11.5 11.1 10.1	11.2 10.5 11.1 10.4 9.9	10·5 9·7 9·9 9·6 9·7	9·1 8·4 8·5 8·8 9·3	8•2 6•6 7•7 8•0 8•6	7·6 6·6 8·1 7·5 7·0	7·6 7·1 5·8 8·0 5·7	7·7 7·7 5·9 8·7 6·1	8-9 8-4 7-1 9-9 8-0	11.5 10.5 9.0 11.1 9.9	12-8	15.6 17.2 15.4 15.5 15.8	17-0 17-9 15-9 15-7 16-9	16 • 1 15 • 9	14.7 15.9 14.9 15.1 15.3	14-1	13.0 13.7 13.0 13.4 21.1	12·7 13·0 12·8	11-8 12-8 12-9 12-0 14-4	11-9	12-0 12-3 12-4 12-4 2-8	12.0 12.2 12.5 12.2 6.4	11.8 11.8	11-8 11-8 11-4 11-7 10-7
11 12 D 13 14 15	-0.9 4.7 10.0 8.7 10.1	0.9 5.8 8.9 13.5 10.3	5.0 6.9 13.0 13.2 10.0	5.2 6.6 6.9 11.0 9.6	5·3 4·8 4·0 8·3 9·0	3·5 7·1 5·6 7·0 7·8	4.8 8.6 6.2 6.9 6.1	6·3 9·8 5·8 6·2 5·6	6.2 10.0 7.0 6.2 6.5	8·4 12·5 8·4 8·8 8·2	11.8 14.4 12.2 11.2 11.3	14·8 12·9	16·1 17·5 16·6 14·8 17·0	17·3 15·8		14.8 14.5 15.7 14.5 13.8	14.5 15.3 13.8	14·1 14·7	12.8 12.8 11.1		12-4	11.4 7.8 11.3 10.6 9.8	11.5 5.4 10.7 10.1 9.0	5-2 7-8 10-0 10-1 7-2	9•3 10•9 11•1 11•0 10•9
16 17 18 19 20 D	11.3 9.1 10.8 -3.2 9.0	11.0 8.9 10.3 1.7 5.3	4.7 9.3 9.9 5.2 3.8	7·3 8·7 8·6 7·9 21·8	8.0 7.5 8.1 7.2 11.4	8.7 6.0 5.8 5.1 9.2	16.2 4.9 4.6 3.9 13.4	20·5 5·1 4·1 3·6 21·1	13·3 6·0 5·0 5·0 21·5	8·3 7·2	17.2 11.1 8.9 10.9 13.3	14·4 12·1	19.7 16.4 15.0 16.7 19.4	16·3 16·4 17·1	19.6 15.6 16.1 16.5 19.3	16.7 14.8 13.9 14.8 14.8	14.2 13.0 12.2 14.3 15.3	11.6 11.3	10•6 10•6 11•5	11-0 10-7 10-9 11-3 11-8	11.0 4.1	10-4 10-9 -0-8 10-9 8-6	10-9	10-8 -2-0 8-9 5-1	13-3 10-5 8-5 9-0 13-2
21 22 23 24 Q 25 Q	6.4 4.6 9.8 10.4 10.3	7·4 6·3 10·0 9·4 10·4	8.6 8.2 8.3 8.6 7.5	8.9 11.8 8.1 8.1 6.9	7·9 5·9 8·0 8·1 5·4	6·1 4·6 8·0 8·4 4·1	4·8 5·6 7·8 8·7 4·0	3·3 6·9 7·2 9·1 4·3	3·5 7·8 8·2 8·9 5·1	5.3 8.8 10.6 11.0 7.2	8.7 9.8 13.0 13.6 9.2	11-3	12.9 14.9 16.3 18.8 14.5	18-0	15·4 15·4 15·4 16·2 16·8	14.8 14.4 14.6 14.3 14.6	14.2 12.8 14.6 12.8 13-0	11.7 14.6 12.5	11·3 12·7 12·5 12·5	11 · 2 13 · 9 12 · 1 11 · 7	9.7 12.9 12.2	11-1 9-0 13-0 12-2 11-9	7·4 9·6 10·1 11·9 11·2	2.9 10.4 9.1 9.8 11.6	9-3 9-9 11-6 11-8 10-2
26 27 28 29 30	11.5 10.6 10.3 10.9	11.3 10.9 10.0 10.4 10.1	8.5 10.2 9.8 9.7 9.3	6.7 9.2 9.3 8.9 7.8	6-9 7-3 7-6 8-0 6-1	6.5 6.8 5.7 8.2 4.8	7.6 6.8 5.3 8.0 5.0	6.0 6.1 5.3 7.2 6.5	6.7 7.8 6.2 6.4 9.0	8.7 10.5 7.9 9.1 11.0	12.0 13.7 9.8 12.9 13.6	12·3 16·7 16·2	17.7 16.5 13.9 18.4 18.6	18·1 14·8 18·0 16·4	16 • 2	14-5	13.7 13.8 13.7	11-8	12-9 12-6 12-8	12·2 12·5 12·7 12·8	10.4 11.9 12.4 11.3 12.0	10.6 11.0 12.1 12.4 11.2	11.0 11.8 12.7 13.0	12-6 10-7 10-7 12-0 11-2	11-3 11-5 10-7 11-8 11-4
31 Mean	8.9	9•8 8•8	8.4	9-1	7.9	7.0		7.2	7.8								14-1				11.2				11.0

23. L	ERWIC	K. (V)							- 46	,000	γ (•4	6 c.g	.S.un	it) +									MAY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 D 3 4 5	Y 751 478 758 760 752	Y 753 528 759 762 751	Y 755 601 762 765 761	755 662 765 768 765	Y 756 691 764 769 767	7 756 745 761 767 767	Υ 755 758 759 765 765	7 754 760 757 763 761	7 751 760 755 759 757	Y 750 758 755 755 755	Y 750 755 753 750 754	7 749 754 758 749 752	Y 748 752 760 753 752	7 738 756 756 755 755	7 770 761 759 757 753	Y 792 767 762 761 755	Y 815 766 763 768 759	Y 832 766 770 771 761	γ 814 763 768 768 763	7 792 761 763 766 762	7 779 759 760 763 760	7 762 759 760 760 759	7 695 758 760 757 758	Y 552 755 759 755 757	Y 755 <u>724</u> 760 761 758
6 Q 7 8 Q 9 Q 10 D	755 751 758 759 757	754 755 757 758 757	759 758 758 759 758	762 759 761 759 757	763 761 762 762 757	762 762 761 760 756	761 760 759 760 757	758 760 762 760 755	753 754 760 757 753	753 750 757 756 752	755 750 753 754 751	750 748 750 747 748	746 744 748 743 741	751 741 748 746 746	758 747 751 749 749	760 757 754 749 751	763 761 758 754 751	763 762 762 759 794	761 765 763 761 82 0	762 764 762 764 795	760 762 762 764 810	758 762 762 761 789	756 761 759 759 787	755 759 758 758 747	757 756 758 757 763
11 12 D 13 14 15	720 692 744 750 763	691 688 750 749 764	708 654 734 737 764	736 672 717 730 764	737 685 724 738 763	746 702 732 742 761	748 721 724 752 763	750 738 735 750 762	748 751 744 750 758	749 756 750 751 754	745 753 751 750 753	750 747 745 753 749	749 748 744 754 746	750 754 747 755 747	756 765 749 755 747	757 777 750 760 753	761 765 754 765 765 754	763 757 755 763 755	777 757 756 763 758	766 758 753 761 756	763 759 753 760 764	762 725 755 760 761	748 708 755 762 752	700 727 755 763 756	745 732 745 753 757
16 17 18 19 20 D	738 744 759 711 745	710 748 761 688 721	714 754 761 702 712	734 758 762 738 647	743 760 761 752 599	747 761 761 758 691	751 759 761 757 724	716 757 760 753 727	728 750 757 753 701	738 750 749 751 721	741 752 743 748 736	746 749 740 745 743	743 748 740 744 750	751 751 746 754 762	767 755 750 763 784	773 757 755 766 803	763 758 759 768 782	760 755 764 780 771	759 756 770 784 765	757 758 771 782 770	756 755 765 776 768	758 755 746 764 758	759 757 746 752 747	756 758 726 749 725	748 754 755 752 735
21 22 23 24 Q 25 Q	727 701 762 760 764	738 722 759 757 752	754 734 755 760 754	762 738 760 760 764	769 744 762 762 765	769 753 763 763 765	767 758 763 765 764	765 757 765 759 762	768 757 761 756 761	772 753 754 757 761	769 752 748 755 761	762 749 744 750 758	759 754 748 750 754	759 763 749 751 751	765 770 752 756 751	773 766 756 763 755	772 767 764 767 757	774 762 766 767 758	784 760 775 768 759	780 765 771 770 763	780 771 770 770 763	772 769 771 768 764	756 766 769 767 763	708 763 767 766 762	763 754 761 761 760
26 27 28 29 30	762 766 769 765 763	758 766 769 766 764	761 765 766 765 765	762 764 763 764 765	761 764 762 762 764	763 764 761 760 763	761 760 763 756 760	763 760 764 754 757	762 757 766 755 752	759 758 761 754 749	754 757 760 752 748	756 755 759 750 752	765 757 757 746 759	770 760 760 747 765	778 767 761 751 784	780 769 765 758 788	775 767 765 760 784	769 769 764 757 774	769 766 763 759 768	773 771 764 766 772	772 770 765 770 771	768 772 766 765 763	763 771 766 763 759	764 769 764 763 734	765 764 763 759 763
31 Mean	750 740	759 <u>739</u>	764 743	767	764 748	749 754	742 755	749 755	752 753	753 753	751 752	747 750	749 750	753 753	756 759	764 764	766 766	769 767	776 <u>769</u>	782 768	778 767	771	766 756	766 745	760 755

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

							į.		Te	rrestria	l Magnet	ic El	emen	ts									
ay			Horis	contal F	orce		1			De	clinatio	n					Ver	tical Fo	rce		HR _H +VR _v	Magnetic Character	Temperatu in Magne
щу		Maxi 14,0	.mum)00 γ +		nimum ,000 y	+	Range		Maxi 13			imum 30 +		Range		Max:	.mum .mum		1mum 000 y +	Range	10,000 γ² 8	of Day (0-2)	House 200 +
1 D 2 D 3 4	h 15 16 16 15 17	m 55 55 59 48 39	Y 539 474 476 475 476	Y 80 148 412 420 426	23 0 12 9	m 00 10 34 34 20	Y 459 326 64 55 50	h 15 12 12 12 13	12 55 24 56 15	26·4 17·6 18·8 15·9 17·1	, -33·3 -24·5 6·2 7·0 6·7	h 23 2 6 7	m 24 20 4 18 22	59·7 42·1 12·6 8·9 10·4	h 17 15 17 17	7 55 40 9 20	Y 839 770 774 773 768	Y 442 449 750 747 745	h m 23 59 0 23 10 36 11 17 1 0	321 24 26	2516 1974 205 201 180	2 2 1 1 0	81.4 81.1 81.1 81.7 82.8
6 Q 7 8 Q 9 Q 10 D	19 18 19 17	14 42 5 54 26	476 484 481 486 562	425 434 417 423 431	12 10 11	36 15 57 0 25	51 50 64 63 131	13 13 14 14 17	44 6 28 25 35	17·3 18·2 16·4 16·1 25·1	7·1 5·9 5·2 7·0 -5·0	6 7 6 20	37 57 37 35 47	10·2 12·3 11·2 9·1 30·1	16 18 7 20 20	55 59 45 28 41	765 767 763 765 840	745 740 745 743 736	12 31 13 10 13 5 12 32 23 19	18 22	167 199 182 194 675	0 0 0 0 1	82-8 82-4 82-2 82-6 83-0
11 12 D 13 14 15	17 21 22 18 19	43 26 36 12 15	505 550 491 475 499	371 411 420 422 432	9 10	12 45 35 47 6	134 139 71 53 67	14 12 13 1 12	15 3 22 39 45	17.6 19.2 17.7 16.1 17.6	-6·2 -3·9 2·5 5·5 4·3	0 21 4 8 23	57 25 45 1 0	23·8 23·1 15·2 10·6 13·3	18 15 18 16 20	20 30 34 34 44	780 781 762 766 766	669 642 707 729 744	1 5 2 0 3 7 3 20 12 26	55 37	707 854 369 254 204	1 1 1 1	83-4 83-2 82-0 80-8 80-5
16 17 18 19 20 D	18 17 20 18 15	13 45 46 25 12	486 479 501 488 502	388 425 421 419 327	10 11 10 10	9 5 30 5 27	98 54 80 69 175	6 12 13 13	54 43 56 54 37	27·1 17·0 16·7 17·4 31·4	2·5 4·2 -7·9 -8·1* 1·0	2 6 24 0 2	37 55 0 3 0	24·6 12·8 24·6 25·5 30·4	15 5 19 18 15	27 53 14 54 24	778 763 773 786 809	704 740 721 681 536	2 4 1 0 23 46 1 45 4 0	74 23 52 105 273	496 185 358 585 1522	1 0 1 1	79·8 78·7 78·5 79·1 79·6
21 22 23 24 Q 25 Q	19 20 18 17 18	4 49 20 11 21	502 493 487 486 491	405 425 422 430 422	10 2 9 10 10	53 35 5 50 48	97 68 65 56 69	14 14 13 12 14	55 24 25 27 6	16·3 16·5 16·8 19·2 17·4	-2·7 2·0 6·3 7·7 3·7	23 0 7 3 5	23 48 42 27 40	19.0 14.5 10.5 11.5 13.7	18 20 18 19 0	19 40 18 39 2	789 775 776 772 767	699 694 743 749 747	24 0 0 14 11 24 11 59 14 7	90 81 33 23 20	560 467 248 184 198	1 1 0 0	80.5 81.0 81.5 82.1 82.5
26 27 28 29 30	18 18 19 18 18	55 35 3 30 35	496 494 484 505 506	431 434 440 433 421	9 13 11	14 54 45 46 19	65 60 <u>44</u> 72 85	12 13 14 13 12	41 37 54 10 26	18·4 18·6 15·3 18·7 19·5	5·2 5·5 4·0 5·3 4·1	5 7 6 7 5	17 51 24 8 35	13·2 13·1 11·3 13·4 15·4	15 22 0 20 15	0 5 5 46 15	784 776 769 772 793	753 753 755 745 726	10 30 11 36 12 12 13 3 23 20	31 23 14 27 67	234 194 129 230 435	1 0 1	83·1 83·0 83·0 83·1 83·3
31 ean	17	41	499 495	419 398		15	80 97	13	30	17.7	6.7	8	25	11-0 18-0	19	0_	786	740	6 22	46 75	330 491	0.77	83·3 81·7
of			31	31	 		31	<u> </u>		31	31			31	 		31	31		31	31	31	31

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

1935 062 01 B HARESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT
Mean values for periods of sixty minutes ending at the hours of Greenwick Mean Time 14,000 y (.14 C.G.S.unit) +

25. BE	RWICK	(1	• ′											. D . U.I.											
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-2 0	20-21	21-22	22-23	23-24	Mean
Day	Υ	Υ	Ý.	γ	γ	Υ	Υ	Y	Y	Υ	Υ	Υ.	, Υ	Υ	Y	Y	Y	Y	Y	Y	Υ 476	Y 474	Υ 471	γ 467	Υ 457
1 Q	465	463	462	462	464	461	457	449	438	425	418	421	432	442	458	465	474	471	479	477	479	475	470	468	458
2 Q	464	464	466	464	465	463	459	453	441	432	426	423	433	440	444	453	467	479 479	480 481	483 482	482	476	474	471	462
3	468	468	467	467	467	464	461	453	444	431	426	432	441	447	460	464 493	474 484	482	506	499	497	479	474	471	470
4	469	473	473	476	468	474	466	462	448	440	436	439	441	459	473	499	502	491	492	491	488	485	480	477	467
5	471	474	471	468	466	464	464	454	440	428	424	429	444	461	45 6	499	302	431	452	401	100	100		2	
	474	453	400	400	459	457	AEA	455	448	438	426	413	428	444	456	471	479	487	488	496	484	480	478	470	462
6 7 D	474	471	466 470	462 475	473	469	454 460	444	446	444	437	432	453	435	443	458	547	550	551	530	562	150	86	295	439
8 D	312	466 267	184	357	464	447	446	431	402	383	405	417	441	440	479	454	466	456	481	479	475	469	469	471	<u>421</u>
9 D	468	461	465	468	466	465	462	460	451	448	447	414	462	460	502	568	533	534	525	477	471	454	405	324	466
10 D	423	454	454	442	434	437	442	433	420	402	418	424	455	472	544	555	563	512	512	500	453	467	462	457	464
±(, p	360	404	104	7-12	707	10/		-50		-30						1							١		
11	457	456	456	459	445	441	435	429	426	421	422	437	463	481	484	475	522	534	530	508	485	465	458	457	464
12	453	453	455	453	450	444	438	432	433	430	427	432	441	447	459	463	484	476	485	488	484	466	463	441	454
13	454	441	458	447	445	447	443	438	435	429	429	446	453	474	474	479	481	481	491	484	475	467	465	449	458
14	426	441	444	450	454	448	441	434	432	429	436	447	448	455	456	469	470	467	469	470	466	467	466	464	452
15 Q	460	460	458	459	458	453	444	437	430	426	427	436	447	458	461	465	471	475	480	477	472	468	463	458	456
	· ·			,						l				ļ						400		400	4774	472	463
16 Q	459	459	461	464	459	454	448	445	446	444	436	441	454	460	462	472	480	485	480	489	485	480	474	459	465
17	474	473	471	472	473	466	457	448	439	433	431	442	449	458	460	473	470	494	502	506	494	467	446 323	360	455
18 D	446	455	435	423	430	434	443	422	402	405	404	407	431	465	551	650	657	618	567	426	400	362 471	468	465	438
19	391	403	415	436	438	437	433	418	409	400	407	387	405	404	442	456	476	505	503 486	481 483	465	462	461	431	447
20	458	443	441	431	429	448	441	442	431	424	420	416	414	427	446	465	470	483	400	403	469	402	₩.	404	
	_									400	400	400	411	490	1400	489	501	521	500	483	468	460	458	455	455
21	414	457	461	461	458	461	456	446	433	420	408	408		430 423	460 435	451	461	473	476	476	473	467	464	468	447
22	451	451	451	453	454	456	452	438	425	414	404	406	415 418	435	452	470	468	471	471	472	471	468	464	461	453
23	466	467	466	465	464	461	455	446	432	417	425	409	442	446	455	458	465.	471	474	476	476	473	466	461	455
24	460	458	454	452	462	462	456	448	434 434	423	419	429 419	430	444	452	462	474	480	481	486	480	472	464	461	456
25 Q	461	459	460	462	462	459	453	445	434	463	473	419	430	222	302	10~	-:-								
200	460	400	462	169	463	459	451	445	434	430	431	436	447	449	447	450	460	466	474	485	485	482	482	481	458
26 27	481	460	463	462 468	466	462	451	450	441	433	432	441	453	464	467	478	480	479	487	489	486	481	474	471	465
28	468	466 468	468	469	463	455	449	445	439	437	437	431	439	450	451	457	470	475	503	498	490	485	455	438	460
29	434	450	458	452	457	459	454	450	439	429	428	432	454	463	470	474	488	491	490	485	486	482	469	467	461
30	466	464	459	448	459	453	447	445	438	435	437	448	453	458	454	471	474	482	484	494	489	475	465	463	461
30	100	***	100	110	100		•••							1											
						§																			
Mean	451	451	449	454	457	455	451	443	434	426	424	426	440	450	465	480	490	492	494	486	479	458	447	448	456

JUNE, 1935

11-3/10-5/8/19/06/06/01/83/813

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

	26. L	ERWIC	K (D)				101 p.						0 +		ne no						<u>.</u>		J	UNE,	1935
	Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-2 3	23-24	Mean
	Day 1 Q 2 Q 3 4 5	10.8 11.3 11.3 10.4 9.8	10-9 10-8 11-5 10-1 9-7	11.6 10.0 11.1 10.4 8.9	, 10-9 10-2 10-1 12-2 7-5	, 8.8 7.9 7.5 11.4 6.7	6.1 5.2 5.7 8.4 5.3	4.7 4.9 4.5 5.0 2.7	2.6 4.5 5.0 3.6 1.7	3·3 5·1 5·5 3·9 3·5	6.2 5.8 8.0 6.1 6.7	9.4 9.3 10.5 11.3 11.2	13·4 13·3 14·2 16·0 15·0	/ 16·0 17·1 16·5 19·2 18·2	16.5 17.4 16.9 21.3 18.8	16-1 16-9 16-5 20-1 17-6	/ 14-4 15-8 15-6 18-4 16-0	/ 12·3 13·7 14·3 16·6 14·0	, 10-8 12-0 13-2 14-1 13-8	, 10.9 10.7 12.5 14.1 14.5	11.0 10.4 12.1 11.4 14.6	11.0 10.0 12.1 9.1 13.9	11.2 10.6 11.7 6.7 12.8	10-9 10-8 11-2 10-4 11-8	11.4 11.1 11.2 10.0 11.1	10.5 10.6 11.2 11.7 11.1
	6 7 D 8 D 9 D 10 D	9•9 9•4 •25•3 8•9 4•6	10-1 8-5 -8-2 3-6 4-3	9·5 9·4 -17·2 4·1 4·6	8.4 8.8 -0.2 4.8 5.1	6.6 7.1 2.0 3.3 7.3	4·1 4·6 2·6 2·7 8·3	3.5 4.3 2.1 1.2 6.4	2.7 3.6 1.4 2.3 9.3	4·3 7·8 5·9 4·6 7·5	8-4 10-1 10-2 3-5 9-9	12.4 11.5 11.3 6.1 10.0	16.0 15.8 13.0 15.0 12.4	17.8 20.9 16.0 18.9 15.4	19.3 24.0 19.2 21.0 11.2	23·5 19·7 20·6	18.8 22.1 20.8 16.2 14.1	15.9 19.4 19.9 18.6 14.3	14.4 19.1 17.7 23.8 17.1	12.8 14.2 16.9 20.5 13.9	12.3 11.2 15.0 9.2 13.1	10·7 10·2 13·7 12·6 14·4	11.2 11.8 12.2 11.9 12.9	9.2 3.6 9.3 11.2 11.9	9·7 -5·4 9·3 14·7 11·8	11.5 11.5 7.8 10.8 10.5
	11 12 13 14 15 Q	12.7 8.6 2.5 12.2 8.6	9.9 9.0 4.7 8.2 8.3	7•9 8•8 6•3 8•9 7•6	4·4 8·3 5·3 8·6 6·5	7.0 7.3 7.5 6.5 5.9	5•2 5•5 4•5 5•5 5•0	5•2 4•9 4•8 5•5 4•4	5.5 5.3 5.5 7.0 4.9	7·1 8·7 6·1 7·3 5·5	9•4 11•1 8•5 8•4 6•5	12.1 13.3 13.0 11.2 8.4	14·1 15·4 16·0 13·0 12·0	14.9 17.0 18.7 14.4 14.9	14-8	14.8 13.7 17.1 14.1 15.3	15·1 12·8 14·8 15·0 14·9	15.0 13.1 13.4 13.9 13.5	12·9 12·7	12.0 11.4 12.6 12.6	11.6 12.0	13.0 8.0 12.7 11.0 11.5	12.0 10.1 12.8 10.6 11.0	11.2 11.2 10.0 10.3 9.7	9.5 13.5 9.3 9.3 9.8	11·2 10·7 10·4 10·5 9·9
	16 Q 17 18 D 19 20	8.5 9.9 7.3 -3.6 7.9	8-1 9-1 7-6 -2-1 4-6	7·8 7·9 4·7 6·9 3·6	7·3 7·6 3·4 0·7 7·4	6 • 2 5 • 4 -5 • 8 2 • 6 8 • 9	4.5 4.3 2.7 2.5 8.3	3.9 4.0 -1.5 1.7 7.5	4·1 5·0 1·7 2·1 6·9	4.5 7.0 6.2 2.6 8.3	6.6 10.2 7.2 4.8 9.6	11.2 12.6 7.5 8.9 9.3	15.7 14.8 10.2 14.0 12.2		15.7 17.8 17.8 22.2 15.9	14-6	13.7 16.5 24.3 18.9 13.1	13.0 15.0 27.8 18.0 11.6	24·7 16·9 11·4	13·4 22·5 12·3 11·5	12·1 12·3 29·7 12·5 9·9	11.8 7.6 2.7 12.3 11.8	9.2 6.8 5.8 11.3 12.0	9.7 5.3 8.3 10.0 12.1	10-4 7-9 0-3 11-2 8-8	10·0 10·4 10·4 9·5 10·1
	21 22 23 24 25 Q	8.9 11.1 9.8 9.2 10.0	6-4 10-0 10-0 9-4 8-8	8.5 9.7 9.2 9.2 8.3	7·9 8·6 8·3 9·0 7·3	6•7 7•0 5•4 6•0 5•5	5•4 3•3 3•1 4•1 5•0	4.8 1.9 2.6 3.9 4.0	4·3 1·7 3·5 4·0 3·5	4.7 3.3 4.3 3.5 4.5	5·7 5·8 6·4 5·4 7·3	8·1 10·0 9·2 9·0 10·6	11.5 14.1 13.3 12.8 13.9	17.5 16.8 15.7 16.2	16·3 18·3 17·9 17·9 17·1	17.9 16.7 17.5 16.4	17.7 16.8 13.7 15.5 13.6	16.8 14.5 11.4 12.8 11.1	11·2 10·5	11.1 9.6 10.1 10.3	10.6 11.1 10.3 10.2 10.1	11.6 11.1 10.8 11.2 10.5	11.2 10.9 10.8 12.7 11.1	12.0 10.4 12.2 12.2 10.3	11.5 10.4 9.2 11.2 10.8	10-2 10-3 9-7 10-2 9-9
	26 27 28 29 30	9.0 13.0 9.7 13.8 10.4	8-9 9-2 9-9 14-7 13-7	7·3 2·7 8·5 7·9 9·2	6·1 2·8 8·2 4·5 9·1	5-1 2-0 5-5 2-2 4-7	4.1 1.6 3.5 2.2 2.8	4.0 4.7 3.5 2.5 4.1	4.6 6.3 3.2 2.1 5.3	5.6 7.1 5.2 3.5 6.4	8.9 10.4 8.6 7.0 8.1	11.1 13.4 12.1 10.3 11.3	13·1 14·2 14·8 14·1 14·1	14.7 15.1 18.8 15.6 15.9	14.9 15.5 18.8 15.8 17.1	15.6 15.1 17.5 15.6 15.6	14.7 14.5 14.6 14.0 13.4	12.9 13.2 10.7 12.2 11.6	11.1 11.2 10.0 9.8 11.7	11•4 10•1 7•4	10.4 12.3 10.8 10.5 6.4	10.5 11.7 11.7 13.0 8.6	10.7 11.8 14.2 8.3 10.9	11.2 11.4 11.3 9.9 10.9	11.6 10.6 11.0 11.1 10.0	9·8 10·1 10·5 9·5 10·1
ł	Mean	8•0	8-0	7-1	7-0	5•7	4-5	3-9	4-1	5-4	7.7	10-5	13.9	16-7	17.5	16.9	16-0	14.7	13-9	12.5	12-1	11.0	10-9	10-3	9.7	10•3

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

JUNE. 1935 27. LERWICK (V) 46,000 y (.46 C.G.S.unit) + 21-22 22-23 23-24 Hour 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 Mean 7-8 9-10 10-11 4-5 5-6 6-7 1-2 2-3 3-4 0-1 G. M. T. Day 1 Q γ 761 751 757 761 766 765 2 0 750 761 7 D 8 D 9 D 761 701 768 755 744 775 715 10 D 769 12 13 721 747 773 773 773 15 Q 774 16 Q 17 750 773 18 D 658 683 755 757 764 758 756 759 763 24 748 744 25 Q 757 758 27 748 786 786 773 763 750 755 751 751 742 <u>735</u>

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

28.	LF	RWIC	K				MA	GNETI(C CHARA	CTER F	GURES:	TEMPER!	TURE IN	MAGNET	HOUSE				JUNE,	1935
								Te	rrestria	1 Magnet	ic Elemen	ts			•				Magnetic	Temperature
Day			Horia	contel Fo	rce		L		Dec	lination				Ver	tical Fo	rce		HR _H +VR _\	Character of Day	in Magnet House
		Maxi 14,0	100 γ + 100 πυπ	Mini 14,0	.mum 100 y +	Range			imum 3°+		nimum 13° +	Range	46,0)000 γ +		imum 000 γ+	Range	10,000 γ ² 10	(0-2)	200 +
1 Q 2 Q 3 4 5	h 18 18 19 18 16	m 33 55 49 47 56	Y 484 485 486 517 528	Y 416 421 424 428 421	h m 10 4 10 5 10 2 12 3 11	64	1 1 1	m 4 2 58 3 46 3 42 3 30	, 16·7 18·0 17·2 22·4 20:0	, 2·3 4·2 3·3 2·5 1·0	h m 7 39 6 56 7 11 8 5 7 3	14·4 13·8 13·9 19·9 19·0	h m 16 38 18 16 17 54 16 56 17 25	770 770 770 769 787 796	Y 743 752 735 730 742	h m 11 45 11 40 12 15 5 30 13 8	Y 27 18 34 57	225 177 248 395 407	0 0 1 1	*A 83·2 83·0 83·1 83·1
6 7 D 8 D 9 D 10 D	19 17 14 15 16	29 37 33 55 39	502 564 503 617 593	407 -291 -4 301 327	11 2 22 1 2 3 23 1 0	855 507	1 1	4 16 2 6 5 51 .7 51 0 7	20·7 35·0 22·5 26·5 26·9	2·2 -40·0 -46·7 -5·0 0·6	7 12 22 24 2 30 9 8 6 50	18·5 75·0 69·2 31·5 26·3	20 32 18 14 14 59 15 15 15 35	773 888 818 852 892	744 353 412 620 610	14 10 22 31 2 27 23 59 0 9	29 535 406 232 282	273 3733 2627 1539 1700	1 2 2 1 1	83·0 82·8 83·0 82·5 82·7
11 12 13 14 18 Q	16 19 18 16 18	56 15 49 27 38	582 507 499 473 483	416 423 421 417 424	10 11 2 9 5 0 3 9 4	84 78 L 56	1 1	6 56 2 48 2 40 5 10 4 0	22·1 17·9 19·8 15·4 15·7	1.9 3.6 0.8 4.2 4.2	3 14 7 33 0 12 6 13 6 22	20·2 14·3 19·0 11·2 11·5	18 14 17 27 18 14 9 42 3 13	822 788 787 778 776	742 712 713 711 759	23 36 23 47 0 9 1 7 11 55	80 76 74 67 17	614 476 449 393 170	1 1 1 0	83·2 83·0 83·3 84·0 85·0
16 Q 17 18 D 19 20	19 19 15 17 18	37 22 40 25 28	494 511 701 513 510	435 426 200 334 386	10 4 10 1 19 3 2 23 5	85 501 5 179	1 1 1 1	.3 6	17·7 18·7 65·5 23·9 16·7	3.5 2.6 -9.2 -7.9 1.5	7 53 20 35 4 33 0 16 2 0	14·2 16·1 74·7 31·8 15·2	21 15 20 10 15 36 18 29 19 9	775 776 940 836 794	746 732 565 646 704	12 34 11 25 19 35 2 13 1 54	29 44 375 190 90	277 350 2473 1145 595	1 2 1 1	85·2 84·5 83·4 82·9 83·2
21 22 23 24 25 Q	17 17 15 19 19	31 53 36 15 32	538 479 482 481 492	390 402 406 422 417	0 10 3 11 4 10 3 10 3	3 76 3 59	1 1 1	5 59 3 50 3 54 3 52 3 48	19·5 18·6 18·4 18·2 17·3	3·3 1·2 1·5 2·8 3·1	5 49 6 44 5 45 8 26 7 20	16·2 17·4 16·9 15·4 14·2	17 25 10 5 17 10 7 52 20 31	821 769 767 764 764	679 754 744 742 742	0 16 14 25 23 4 15 55 13 6	142 15 23 22 22	872 180 217 191 207	1 0 0 0	83·4 83·5 84·0 84·5 85·0
26 27 28 29 30	19 19 18 18 19	57 5 26 50 40	487 494 515 504 511	426 428 424 421 431	10 3 9 4 12 1 10 1 10 3	66 3 91 5 83	1 1 1	4 35 4 14 2 46 3 4 2 57	15·9 16·1 20·6 16·2 18·0	3-4 0-8 1-8 0-7 0-8	6 19 5 35 7 44 7 16 19 35	12·5 15·3 18·8 15·5 17·2	6 5 17 7 20 11 18 23 19 6	760 784 794 793 780	746 718 695 680 729	12 43 1 44 24 0 0 24 0 23	14 66 99 113 51	158 399 593 642 348	0 1 1 1	85·1 85·4 86·1 86·3 86·4
Mean			518	363		- 155	1		21.3	-1.7		23.0		799	690		109	736	0.83	83-9
No. of Days Used			30	30		- 30	-		30	30		30		30	30		30	. 39	30	30

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

1/3
70/05 6 1935 072 01 3/3 1HD

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

29. L	ERWIC	K (H)			Ì				14,	000 γ	(•14	C.G.	S.uni	t) +								J	ULY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23		Mean
Day 1 2 3 4 5 Q	Y 465 475 457 463 460	γ 464 457 453 460 458	Y 462 458 458 460 459	γ 456 456 464 463 461	Y 457 443 465 461 461	Y 460 461 463 456 459	Y 459 460 453 447 454	Y 449 451 442 442 446	Y 436 440 432 429 434	Y 422 433 421 423 422	γ 420 429 419 424 414	Y 418 431 422 418 416	Y 425 453 437 439 427	Y 445 463 452 440 446	Y 484 464 462 456 465	Y 471 488 469 468 477	470 495 479 468 482	Y 475 489 474 473 482	Y 477 478 479 471 478	Y 478 480 483 477 469	Y 475 472 483 477 468	Y 473 469 479 471 467	Y 476 463 474 465 464	476 464 473 465 463	Y 457 461 458 455 455
6 Q 7 8 D 9 D 10	463 469 472 472 441	462 467 471 475 442	463 467 469 470 448	461 465 479 465 451	461 460 479 459 447	457 456 475 448 443	456 455 444 445 438	449 457 374 440 432	440 447 357 435 427	428 429 381 428 418	425 422 399 432 418	425 429 436 429 416	433 440 489 434 425	444 446 473 436 435	452 454 481 441 448	462 466 447 455 457	462 469 442 476 459	465 473 461 455 467	471 474 464 454 489	474 480 476 458 475	480 480 474 461 469	476 489 469 459 463	473 469 470 464 458	472 465 465 462 454	456 459 452 452 446
11 12 13 14 15	456 460 458 461 464	457 459 457 453 462	456 455 453 451 460	456 452 453 454 458	455 455 451 459 458	452 440 447 455 451	443 437 444 443 444	432 433 442 430 437	411 430 437 425 430	391 431 431 436 434	409 427 434 437 441	436 429 433 447 448	433 434 439 453 470	446 449 458 458 467	477 450 473 490 484	474 464 468 492 500	468 468 463 478 509	479 474 468 494 500	471 471 477 492 483	472 482 480 481 467	471 482 475 485 461	468 469 480 478 457	464 461 471 469 455	460 458 469 480 452	452 453 457 463 462
16 17 Q 18 Q 19 20	452 461 463 466 452	450 460 455 470 452	446 458 459 467 450	447 455 460 467 452	450 451 459 458 450	445 447 459 451 450	439 445 460 456 449	433 443 457 454 447	428 433 446 450 437	431 425 435 443 430	424 428 431 446 430	428 438 429 442 422	439 451 432 449 435	457 465 441 463 440	470 473 459 485 456	481 476 460 497 461	487 473 464 496 473	471 468 468 481 472	464 468 471 474 478	463 471 474 479 472	466 472 480 472 469	466 466 476 467 467	464 462 470 462 469	464 460 468 458 468	453 456 457 <u>465</u> 453
21 22 D 23 24 D 25 D	465 460 408 454 429	464 463 444 450 319	463 468 453 453 454	461 476 449 453 453	461 472 439 452 366	460 470 449 461 327	458 472 454 467 394	453 446 450 465 366	443 412 432 439 385	432 427 419 422 409	419 421 409 422 396	416 413 417 424 374	422 425 426 420 401	425 422 441 442 445	440 441 444 441 480	457 464 444 460 502	453 499 442 455 487	464 511 449 458 497	481 488 454 469 503	491 480 460 473 474	482 477 466 478 479	472 478 467 464 459	467 476 464 418 449	462 395 462 445 443	455 457 443 449 429
26 27 28 29 30 Q	443 454 444 457 447	446 446 446 453 451	456 443 447 454 450	452 434 445 451 452	454 450 446 437 453	452 450 442 429 442	449 448 443 435 446	442 445 443 439 444	439 436 440 438 440	435 428 434 439 432	432 421 420 435 425	436 419 431 431 423	441 418 442 434 428	442 434 452 441 437	443 444 453 441 455	448 463 454 456 461	457 458 463 460 458	464 458 464 471 462 472	464 456 470 464 462	469 461 466 483 463	473 468 465 467 464 474	462 464 463 454 463 470	456 460 456 453 459	455 442 455 453 458	450 446 449 449 449
31 Mean	455 456	451 452	447	447	446	448	449	442	434 43 0	425	417 423	412	424	443	442	460	462	472	473	474	473	469	463	459	453

1.3/10.5/6/4938/07/10/12/8/8/3

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

30. LE	RWICK	(1)				}					13	٠ +										J	ULY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22- £ 3	23-24	Mean
Day 1 2 3 4 5 Q	, 10-2 7-8 9-3 9-8 9-3	9.2 5.6 9.6 9.1 8.4	10-1 4-5 8-3 8-3 8-1	9.6 5.2 5.8 7.3 7.0	7·1 8·8 4·3 4·7 6·1	4.5 5.4 3.4 2.4 4.5	4.2 2.6 3.1 1.6 4.0	4.7 3.7 3.6 2.6 4.0	6.4 4.6 4.7 4.3 4.9	10-3 6-6 8-2 5-5 6-6	/ 14-1 9-8 11-2 10-4 8-3	18.7 14.3 14.9 15.5 11.4	21.5 16.5 17.0 17.5 15.0	22-0 17-1 16-7 17-8 17-8	20·3 15·8 15·5 16·8 19·2	17·4 13·9 14·3 14·3 18·3	/ 15-0 13-8 13-2 12-0 16-0	12.7 12.8 11.4 10.4 13.0	10.8 11.2 11.1 10.2 11.3	10.5 9.4 11.0 10.5 10.9	10.7 10.5 11.0 11.2 10.7	, 10-6 11-1 11-4 11-1 10-9		10-8 10-2 9-8 10-3 9-5	11-7 9-6 10-0 9-8 10-2
6 Q 7 8 D 9 D 10	9•6 9•2 5•9 9•5 5•3	9-2 8-5 6-5 8-5	9·2 8·4 3·4 7·1 6·5	8.0 7.4 3.4 6.3 5.0	5-9 7-6 1-8 3-1 4-6	3.5 5.8 2.2 1.4 4.1	2.2 4.8 4.3 1.0 3.1	1.9 4.2 4.8 1.2 3.9	1.6 4.5 10.8 2.6 5.0	3-6 7-2 16-9 6-2 6-2	6·4 11·0 13·3 9·7 9·9	10·4 14·7 15·7 14·9 13·0	13-5 17-1 20-6 18-3 14-5	16-8 18-7 21-1 19-0 14-4	17.8 18.7 25.7 17.9 14.3	16-1 18-1 21-4 16-7 12-2	14.0 15.4 16.4 12.9 10.4	11.8 13.2 16.2 11.9 9.6	10-1 12-2 13-8 11-4 10-1		10-2 11-8 12-7 11-9 9-9	8.5 13.0 11.7 11.6 10.9	9.2 3.8 11.3 9.4 10.7	9.7 3.4 10.1 5.9 9.5	9-1 10-4 11-8 9-6 8-7
11 12 13 14 15	8-8 8-8 8-9 11-4 5-1	8-3 8-0 8-2 7-8 5-7	7·8 7·4 7·3 5·2 5·7	7·3 5·7 7·1 3·9 4·9	6·3 3·5 5·5 4·4 4·0	4-7 0-0 4-7 3-3 3-3	3·3 0·9 4·4 1·9 3·9	3.8 2.3 4.5 1.5 3.1	5·2 4·4 5·2 5·2 6·7	10·5 7·0 6·9 8·2 8·5	13.7 10.1 8.7 9.6 10.7	17.2 12.1 12.7 12.7 12.9	18·1 13·4 16·0 16·1 15·9	17-2 14-5 16-8 17-7 17-5	17.0 13.7 16.2 17.5 18.0	15.7 12.7 14.9 15.2 15.6	11.8 11.8 12.8 13.0 14.6	9.2 10.9 11.3 12.1 13.3	10-4 9-9 10-8 11-6 12-2	11-0 8-8 10-5 10-1 10-5	11-4 8-5 9-8 10-4 10-4	11.0 9.1 8.6 10.5 9.9	10-4 10-0 9-6 9-0 9-8	9-6 9-2 10-4 2-3 9-9	10•4 8•4 9•7 9•2 9•7
16 17 Q 18 Q 19 20	10-0 8-4 8-1 8-3 4-6	8·9 8·1 5·9 9·2 4·1	5.7 7.0 4.3 11.9 4.6	4.2 5.2 3.8 1.6 4.6	4.2 4.1 3.5 0.3 4.1	2-6 2-6 2-3 1-7 2-0	2·3 2·9 2·4 2·4 2·1	0·7 4·1 2·8 4·3 2·1	4·7 4·3 3·3 4·8 1·6	4·4 7·2 4·6 8·5 2·9	9.0 11.1 6.4 12.9 6.1	13-4 15-3 10-8 16-8 10-9	15.6 18.0 14.5 19.5 13.9	15-6 19-3 16-0 20-4 15-1	14-8 17-5 16-5 20-7 14-8	13.5 14.7 14.7 17.7 12.3	10·1 12·3 12·8 12·7 11·1	9-4 10-5 9-8 9-1 10-4	9-5 9-9 8-2 8-5 9-9	9-2 9-2 8-1 9-2 9-7	8-9 9-7 8-7 9-5 9-0	9-0 8-9 7-6 8-9 8-5	9-3 9-3 8-0 9-0 8-4	8-8 9-7 8-6 8-0 7-9	8·5 9·6 8·0 9·8 7·5
21 22 D 23 24 D 25 D	7·8 8·9 -0·2 7·8 3·1	7·7 8·0 3·3 8·2 3·1	7·1 7·1 6·1 9·4 0·6	6.7 6.3 4.5 8.7 6.1	5-9 7-5 6-3 7-9 10-9	5-0 11-1 5-3 8-0 11-8	4.7 5.6 2.3 5.7 13.9	4-9 3-6 2-2 5-8 15-6	5·4 11·1 4·1 6·2 17·5	6.1 8.1 5.6 5.9 13.9	10.3 9.0 9.9 10.0 9.9	14.8 12.8 12.3 11.9 10.3	17.0 15.2 14.5 15.5 12.1	18-7 16-9 15-6 15-2 14-5	15-6 15-6 14-9 11-5 10-1	14.5 12.7 12.7 13.6 12.4	13.7 13.5 11.4 13.7 13.9	11.9 10.9 11.5 12.2 14.9	11.1 9.1 11.5 10.8 13.7	10-9 10-1 11-0 7-4 9-2	9·1 11·0 10·4 11·5 5·3	9-9 11-8 10-8 9-2 9-8	10-1 6-1 9-7 3-5 9-8	9-9 3-5 8-4 3-4 6-0	9-9 9-8 8-5 9-3 10-3
28 27 28 29 30 Q	8.0 7.6 7.3 10.1 8.1	6·1 8·2 7·7 8·1 9·1	7-5 10-2 7-2 7-9 4-3	8-9 9-0 6-9 6-2 3-9	7-2 5-4 6-1 6-1 4-2	5-7 2-4 6-1 8-3 5-9	4.7 3.3 5.7 10.6 6.1	4·3 4·2 4·7 8·9 5·3	5·1 5·4 5·4 9·3 6·3	5-8 5-7 6-4 10-0 7-7	7.2 6.2 8.2 9.9 8.0	9.2 8.4 10.4 9.4 10.0	10.4 10.8 12.2 11.3 11.3	10.8 11.6 13.7 13.5 12.6	11.8 13.7 11.9 11.9	9.3 11.2 13.5 10.1 11.4	9.5 9.8 12.3 8.9 11.0	9-4 8-7 10-7 8-6 10-2	9·1 9·5 10·0 9·5	9-6 9-2 9-0 10-1 9-4	9.9 9.9 7.1 8.2 9.7	9.0 8.4 7-1 8.2 9-6	8·2 6·0 7·9 9·4 9·4	7-4 6-2 9-3 9-1 9-5	8-0 7-9 8-7 9-3 8-5
Mean	8-9 7-9	7-5	7-5	6-0	5-5	4-7	3-9 4-0	3·8 4·1	5.4	7-4	9-7	12-1		13-5	12.3	10.8		11-2			10-1	3-5			9-4

71

46.000 v (.46 C.G.S.unit) +

JULY, 1935

31. L	REKATC	r (4)		571					40,0	00 Y (.46 C		mir c)	т							 		JULY,	
Hour G. M. T.	0-1	1-2	2-3	3-4	4 -5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 13 2 3 4 5 Q	Y 761 749 751 757 757	Y 763 747 752 759 760	Y 763 739 753 764 763	Y 761 749 761 765 764	Y 763 752 764 767 765	Y 763 742 764 770 766	Y 759 751 764 768 763	Y 760 756 760 766 760	Y 760 762 756 763 760	Y 753 765 756 756 757	7 743 761 751 756 755	γ 741 752 750 749 748	745 747 747 751 743 749	7 749 751 751 752 749	7 757 760 757 755 752	7 766 762 764 762 759	7 770 770 768 769 768	Y 767 775 772 770 778	7 765 774 768 770 782	762 772 763 764 782	760 768 764 764 773	7 759 761 763 764 765	7 758 756 761 763 761	7 755 754 754 757 760	Y 758 757 769 761 762
6 Q 7 8 D 9 D 10	758 740 744 741 715	760 740 747 738 722	759 741 749 745 725	765 742 748 745 740	765 744 748 749 751	766 742 751 752 756	764 742 757 752 761	763 739 771 748 761	758 741 745 744 758	756 739 722 741 753	744 734 742 746 755	738 721 763 746 754	736 725 807 742 751	733 732 826 752 755	734 737 788 754 760	739 740 793 762 762	748 749 794 764 766	750 756 787 757 762	750 757 790 753 759	749 754 785 748 765	744 752 770 746 767	746 739 755 747 759	744 726 743 741 756	741 739 741 717 753	750 740 765 747 753
11 12 13 14 15	752 755 765 752 746	756 756 765 751 759	753 758 765 758 761	754 754 765 762 762	755 753 765 764 763	755 753 765 766 766	756 754 765 767 765	757 754 766 766 765	756 754 766 759 759	761 755 760 748 755	757 758 759 747 756	747 754 768 745 757	741 752 774 752 757	739 752 766 756 765	750 751 769 755 774	775 753 776 767 792	787 757 773 770 802	781 761 768 761 803	765 759 765 757 793	757 760 766 759 782	762 764 770 759 773	759 765 766 758 768	757 764 767 759 766 754	756 765 765 733 765	758 757 767 757 <u>769</u> 762
16 17 Q 18 Q 19 20	758 754 743 750 747	755 758 747 748 737	758 761 748 729 736	760 763 757 707 743	761 765 761 725 751	762 766 760 724 758	760 762 757 722 763	762 756 754 732 762	757 748 752 736 758	762 747 753 735 753	762 739 748 736 748	761 738 751 747 750	759 746 753 754 751	756 748 754 763 751	761 752 753 767 747	771 761 763 778 749	785 764 767 792 750	783 766 766 798 755	770 762 765 787 758	758 758 758 775 757	756 753 752 771 755	753 752 767 753	753 750 762 749	752 749 755 748	755 755 753 751
21 22 D 23 24 D 25 D	749 741 648 745 694	749 741 708 742 529	749 739 732 741 673	750 738 733 743 694	750 742 737 742 641	751 732 737 741 630	753 730 744 746 669	754 751 751 744 699	751 756 758 749 696	752 744 755 761 718	748 748 755 751 752	738 749 747 749 775	732 743 746 754 775	737 753 752 761 795	743 751 755 786 799	749 758 766 778 809	760 764 764 787 818	762 791 759 776 791	792 755 778 802	754 754 785 792 753	761 754 765 779	755 756 753 762 757	722 758 638 743	756 756 648 713	748 745 748 <u>731</u> 749
26 27 28 29 30 Q 31	699 756 744 738 751	699 750 ,752 745 738	721 745 754 750 740	745 717 753 749 746	751 721 751 749 750	756 738 751 738 753 756	758 744 747 723 751	788 744 748 717 753	757 749 751 719 753	758 754 752 724 754 754	753 750 753 731 757	754 744 749 729 756	758 748 748 734 752 740	761 748 753 745 752 743	758 752 752 754 750	757 756 753 762 757	754 758 752 766 761	755 754 761 759 769	754 753 754 761 761 762	750 756 758 758 758	748 758 768 766 753	751 752 762 765 755	741 751 759 753 749	743 747 753 753 747	746 751 746 753
Mean	742	740	748	748	749	749	751	753	751	750	75 0	749	750	755	757	764	<u>770</u>	769	767	764	761	757	749	743	753

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

TITLY 1035

									Ferre stri	al Magnet	ic Eleme	nts							Ì	,	L.
Day			Hori	zontal F	orce					eclination			Π		Vez	rtical Fo	orce		HR _H +VR _v	Magnetic Character of Day	Temperature in Magnet House
~		Mexi	Luman DOO γ +		imum 000 γ	+	Range		rimum L30 +	Mini 13	MUD MUD	Range		Maxi 46,0	.mum 100 γ +	Min:	Lmum 000 γ +	Range	10,000 22 *	(0-2)	200 +
1 2 3 4 5 Q	h 17 16 20 20 16	m 50 5 14 43 47	Y 481 499 489 481 487	Y 412 423 418 413 409	h 11 10 10 11 11	m 58 56 49 35 3	Y 69 78 71 68 78	h m 13 23 13 12 5 13 1 14 1	17·7 3 17·5 2 18·2	3.5 1.8 2.6 0.8 3.5	h m 5 58 6 19 6 43 6 18 7 3	15·9 14·9 17·4	h 18 18 17 17	m 4 45 52 34	Y 771 777 774 774 785	Y 739 737 749 740 746	h m 11 35 2 12 11 20 12 19 12 59	Y 32 40 25 34 39	249 296 220 257 271	0 1 0 0	%A 86 • 8 87 • 0 86 • 8 86 • 5 86 • 2
6 Q 7 8 D 9 D 10	19 21 12 23 19	48 16 55 5	485 514 533 488 480	422 420 335 409 412	11 10 7 14 11	20 58 54 3 25	63 94 198 79 68	14 13 5 13 5 13 2 13 5	5 <u>27-8</u> 5 20-1	1.5 -2.1 -0.7 -2.4 2.1	8 16 22 50 4 36 7 0 6 53	21·3 28·5 22·5	5 17 13 16 16	20 45 15 25 43	767 760 846 769 769	731 722 709 711 710	14 20 22 38 9 25 23 50 0 35	38 38 137 58 59	194 318 911 376 388	0 1 1 1 0	85•4 84•9 85•5 86•0 86•9
11 12 13 14 15	15 19 21 15 16	15 36 30 35 36	490 488 486 536 521	386 423 429 422 429	9 10 9 7 8	25 26 5 54 26	104 65 57 114 92	12 3 13 2 13 13 5 13 5	15·2 17·4 18·3	2·3 -1·2 3·3 0·4 1·0	6 59 5 30 5 46 7 24 7 30	16·4 14·1 17·9	16 21 15 15 16	35 19 46 35 16	793 768 779 787 809	735 748 756 729 739	13 7 5 7 10 16 23 26 0 0	58 20 23 58 70	421 187 190 440 455	1 1 0 1	87.1 87.6 88.0 88.0 87.9
16 17 Q 18 Q 19 20	16 15 20 16 18	35 17 44 10 20	502 479 485 508 482	422 423 427 434 419	10 9 12 12 12 11	46 55 5 2 20	80 56 58 72 63	12 5 13 2 14 2 14 2 14 2	19.4	-0-6 2-3 2-0 -3-2 1-4	7 27 6 10 5 36 3 56 8 16	17·1 14·9 24·5	17 17 16 16 6	3 30 2 56 56	792 770 769 802 766	751 737 740 695 731	1 16 11 18 0 30 3 16 1 53	41 33 29 107 35	307 235 214 589 249	1 0 0 1 0	87·6 87·4 87·4 87·4 87·2
21 22 D 23 24 D 25 D	19 17 21 20 16	15 41 6 39 2	502 523 471 515 517	411 362 361 376 152	11 24 0 22 1	6 0 1 45 23	91 161 110 139 365	13 2 12 4 13 3 13 4 8	7 17·4 5 18·7	3·6 -0·2 -2·4 -7·1 - <u>11·1</u>	5 18 23 40 0 23 22 36 1 36	17.6 19.1 23.9	16 18 16 14 16	53 10 15 11 25	764 799 770, 794 824	728 618 615 492 394	12 35 24 0 0 5 22 54 1 22	36 181 155 302 430	295 1090 839 1609 2533	1 1 1 2	86 • 1 85 • 5 85 • 3 85 • 6 85 • 7
26 27 28 29 30 Q	20 22 21 19 21	13 6 1 14 21	481 482 481 493 468	425 415 415 423 421	0 12 10 5	10 31 44 32 46	56 67 66 70 <u>47</u>	0 2 5 13 4 13 2 13 2	14.4	3·4 1·4 2·3 4·4 3·1	7 13 6 54 20 58 3 48 2 49	12·2 12·1 9·5	13 15 20 20 18	52 55 4 11 35	761 761 761 773 762	688 713 740 713 734	0 5 3 30 0 5 7 20 1 36	73 48 21 60 28	421 321 199 385 232	1 0 1 0	85·4 85·5 85·3 85·0 84·4
31		19	496	409	 _	20	87	13 3		3-4	7 25	T	1	18	771 780	739 704	12 54	32 75	270 483	0-65	84-3
Mean o. of			495 31	402			93 31		17.7	31		31	1		31	31	 	31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time 14.000 y (*14 C.G.S.unit) +

	33. LI	ERWIC	x (1	H)			ı				14,	۲ 000	(•14	c.g.s	.unit) +								AUG	UST,	1935
	Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
	Day 1 2 3 Q 4 5	Y 481 465 454 460 462	γ 455 481 451 458 454	γ 446 457 453 458 458	Y 453 454 453 459 462	Y 454 452 457 461 463	Y 450 449 457 455 461	Y 446 442 458 449 456	Y 433 431 454 442 445	Y 425 418 447 435 431	Y 425 403 435 428 420	Y 425 394 422 425 420	Y 427 409 421 426 429	Y 442 425 432 429 438	Y 455 441 445 436 447	Y 443 439 456 445 449	Υ 458 456 461 453 459	Y 472 454 460 460 457	Υ 481 456 462 464 459	466 460 463 472 477	7 466 458 469 486 481	463 460 468 482 471	Y 458 461 464 473 470	Y 459 458 463 469 471	Y 466 458 461 464 465	Y 451 <u>444</u> 453 454 454
	6 7 8 9 10	458 437 452 462 455	466 452 453 456 455	461 442 454 458 450	457 449 454 452 449	453 456 452 446 457	450 450 451 448 458	445 444 445 450 455	433 435 440 441 448	425 421 429 434 441	417 412 423 425 437	423 414 425 425 425 434	425 431 429 431 436	437 445 441 436 438	459 449 437 444 443	472 456 436 445 450	460 469 446 449 459	458 464 457 452 467	474 467 466 461 476	481 466 471 472 474	479 466 469 473 472	481 463 469 468 468	466 458 468 466 464	458 457 467 464 459	449 458 459 463 456	454 448 450 451 454
	11 12 Q 13 14 Q 15	454 480 453 455 481	458 458 452 455 458	458 454 452 454 454	459 454 454 458 453	456 456 451 452 450	450 452 447 450 448	443 448 442 447 445	438 437 437 440 437	435 434 426 434 424	434 434 417 431 419	436 432 416 434 424	442 430 421 437 442	456 437 438 442 447	456 443 443 450 463	456 447 447 454 482	462 452 445 460 471	464 457 453 461 459	459 464 459 458 462	466 471 465 457 468	469 473 473 464 474	467 471 473 465 469	463 461 466 463 468	460 458 452 462 458	460 457 463 461 457	454 452 448 452 454
	16 17 Q 18 Q 19 D 20 D	459 456 461 487 444	459 457 459 468 449	454 454 459 467 456	457 452 457 465 463	450 448 456 464 473	450 444 451 466 453	450 440 451 464 455	444 436 444 455 448	440 429 439 442 424	432 422 429 430 424	435 424 423 429 422	428 426 424 426 421	449 436 431 414 435	457 448 439 439 436	465 456 443 434 447	463 460 460 451 471	464 460 467 471 462	475 460 473 476 478	477 463 472 473 482	482 467 466 471 475	473 469 468 471 472	457 470 467 469 457	455 467 467 452 452	455 464 467 448 439	455 450 453 455 452
	21 D 22 23 24 25	399 435 453 445 468	435 438 427 450 447	444 455 455 451 450	436 455 449 455 450	442 455 446 460 463	450 452 447 460 464	441 447 452 458 467	428 441 444 451 453	413 426 403 438 436	421 404 410 425 430	429 405 421 421 427	427 419 429 424 426	441 426 421 441 428	442 442 436 448 434	450 451 449 447 442	463 471 467 453 450	450 480 457 464 459	471 488 461 464 460	484 470 472 470 463	484 475 472 467 466	474 472 462 467 465	470 452 456 455 466	473 453 451 459 464	459 456 458 469 465	447 449 446 452 452
	26 27 D 28 D 29 30	464 462 470 454 470	463 459 464 452 455	462 459 463 447 462	459 453 457 445 455	454 453 459 447 463	447 451 463 447 464	447 446 460 448 465	444 435 442 439 451	433 429 433 423 424	424 421 429 412 415	424 421 425 409 414	424 435 430 417 416	433 447 434 431 422	444 458 447 439 434	457 468 463 454 456	456 465 462 452 455	466 470 492 461 467	471 479 489 464 469	465 497 483 466 464	465 479 468 471 465	1	464 481 457 467 464	462 484 455 464 466	463 486 456 467 464	452 459 457 448 452
-	31 Mean	462 455	461 454	459 455	453 454	464 455	465 453	458 450	441	429	421 423	423 423	433	441	447	457	460 459	462	466 468	470	471	469 469	465	463	448 460	454

11.3/10.5/15/1934 681/51/68/BB

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

34. L	ERWIC	K (D)									13	o +										AUG	ust,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7.	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 Q 4 5	9·1 8·5 9·4 9·4 9·1	4.2 7.6 10.0 8.5 8.4	4·2 6·7 9·3 7·7 6·3	6·3 6·1 7·2 6·3 4·6	5-4 4-7 5-0 4-6 3-3	3.7 3.0 4.6 4.5 2.5	4·4 2·1 4·4 4·0 1·5	8·1 2·5 4·3 4·3 2·1	9.7 3.0 4.5 5.1 3.5	9·3 6·0 5·5 7·1 4·7	11-1 10-1 7-5 10-0 7-4	14.8 13.8 10.1 13.3 11.1	18·2 15·8 13·9 15·1 15·0	18-2 15-7 16-0 14-4 15-7	, 17-6 13-0 15-3 13-5 14-6	/ 14·9 11·4 12·5 11·8 13·6	, 12-7 9-7 10-1 10-1 11-0	, 11.7 8.7 9.0 9.7 9.7	9:8 9:2 9:1 10:1 11:1	10-3 10-1 9-5 10-7 11-1	10.7 10.2 9.5 10.9 4.5	10-6 9-6 9-0 10-5 10-6	, 10-5 8-4 9-0 9-2 7-5	10.0 9.1 9.7 9.4 3.6	10-2 8-5 8-9 9-2 8-0
6 7 8 9 10	3-4 13-6 9-3 7-1 5-9	6-3 6-0 9-4 5-7 6-2	6 · 2 4 · 4 6 · 9 6 · 0 4 · 0	5.5 5.4 5.6 4.3 5.4	5·1 4·3 4·9 4·8 5·0	3·9 2·7 4·1 2·7 3·5	3·8 2·3 3·5 0·5 3·4	4.5 2.5 4.6 2.8 3.5	6·2 4·5 6·2 4·7 4·2	8.8 8.0 8.1 6.9	10-7 10-1 11-0 9-4 9-2	13·4 11·2 13·7 12·7 11·9	15.8 12.9 13.9 14.4 13.3	15-8 13-1 13-2 15-1 13-4	12-9 12-6 12-0 14-9 12-7	11.0 11.2 10.1 13.7 11.7	11.9 9.2 9.5 11.6 10.8	12.0 8.2 9.7 11.2 9.8	12.8 8.5 10.2 10.5 9.0	12.9 9.5 10.1 10.1 9.2	12-0 9-4 9-7 10-0 9-7	10-1 8-2 9-8 9-9 9-2	10-1 9-2 4-7 8-4 10-0	9·5 9·0 7·8 4·8 4·5	9-4 8-2 8-7 8-4 8-0
11 12 Q 13 14 Q 15	7·2 8·1 7·6 6·4 6·8	6·2 7·5 6·4 7·2 6·2	5.9 6.3 5.9 6.2 5.8	5.9 5.5 6.3 5.3 4.9	4.6 4.7 5.4 4.7 3.5	3·4 4·0 4·4 4·7 3·5	2.8 4.0 3.9 4.5 2.6	3·2 3·7 3·1 3·9 4·1	5·4 6·3 4·3 3·9 5·6	8-2 8-2 7-6 7-1 7-5	9.2 8.9 10.9 10.4 11.0	11.9 10.1 14.2 13.8 14.8	13·1 11·3 16·3 14·8 17·9	12.8 12.2 16.6 14.8 17.4	12·1 12·1 16·4 13·2 16·7	10-9 10-1 13-8 11-7 13-9	9-3 8-8 11-1 9-4 11-0	7·8 8·7 9·4 8·0 9·4	8·1 8·7 9·0 7·8 9·2	8·9 9·2 9·4 8·6 8·7	9•4 8•4 8•9 8•7 8•3	9•3 8•2 5•6 8•7 9•0	9-1 8-6 4-4 8-2 6-1	8·3 8·0 4·9 7·6 7·1	9•0 8•6 8•3 8•8
16 17 Q 18 Q 19 D 20 D	6·7 7·4 7·1 6·6 2·1	6·4 7·2 7·3 7·0 3·8	8·3 6·3 7·1 6·0 3·3	5-6 5-2 6-2 5-6 1-3	3-6 3-4 5-5 4-7 3-2	1.5 3.2 4.7 4.2 4.6	0-4 3-6 3-9 2-0 7-6	1.2 4.7 3.6 1.3 4.6	3.5 6.2 3.7 2.8 11.7	6.2 8.0 5.6 5.3 11.7	10-7 9-9 8-4 8-9 12-9	12.7 13.5 12.6 14.5 13.5	14·4 16·2 15·5 18·8 13·8	15·2 16·9 16·6 19·2 15·7	14.8 15.0 14.6 17.2 13.7	12.0 12.9 11.7 13.3 11.7	9.5 10.2 9.8 11.0 9.8	8-6 8-6 8-7 9-6 8-4	8.7 8.0 8.3 8.9 10.7	9-2 8-3 8-8 8-2 10-0	1.4 8.1 8.9 8.5 7.9	6.2 8.1 8.3 5.8 6.0	7·8 7·3 7·9 -0·9 5·9	7·8 7·0 7·0 1·7 7·1	7-6 8-5 8-4 7-9 8-4
21 D 22 23 24 25	3-4 1-6 8-0 6-9 10-6	-3-4 3-9 10-5 4-0 5-6	3·1 4·4 1·3 5·1 -5·0	8·7 3·8 3·2 .4·7 -6·5	3·2 3·7 4·9 3·2 -5·3	2·4 3·4 5·1 2·6 -0·7	6.0 3.5 4.1 2.3 -0.8	8·5 5·2 3·9 2·5 2·0	8-6 7-0 5-8 3-4 6-6	11-8 10-7 9-6 4-8 7-9	13.6 14.0 9.7 6.1 6.3	15.2 16.3 11.8 9.1 8.9	16·4 17·4 13·0 12·0 11·8	16·4 15·5 13·5 12·9 13·4	13.6 14.6 12.0 11.7 12.0	12-6 13-3 10-0 9-6 9-7	9·1 10·4 7·9 7·9 7·3	7.0 6.6 7.0 6.6 7.1	9·2 7·9 6·5 7·7 7·2	9·8 5·7 6·8 8·4 7·9	9·7 7·2 3·9 7·7 8·3	9-8 7-3 5-6 5-5 8-1	5-8 9-8 6-8 7-9 7-9	4.9 11.1 8.5 9.4 7.3	8-6 8-5 7-5 6-7 <u>5-7</u>
26 27 D 28 D 29 30	7·2 8·1 4·2 8·0 5·5	6·8 7·7 5·1 7·8 7·7	6·5 7·3 5·2 7·8 6·2	5·2 6·5 6·1 8·8 4·3	4-2 5-2 4-1 4-5 5-2	4-6 3-4 2-8 3-0 2-1	4.2 2.1 3.6 1.3 1.8	4.0 2.7 5.7 1.5 2.6	4.6 3.9 6.7 3.3 3.7	6.6 6.2 8.0 6.1 6.2	8.9 9.3 9.6 9.1 8.9	11.8 12.0 12.7 11.9	13·4 13·1 13·7 14·2 15·7	11.8 11.9 14.3 16.2	11.8 11.3 11.0 13.8 14.7	9.3 9.4 9.9 11.2 11.1	9.2 9.6 11.7 8.9 6.2	9.0 11.8 11.2 8.1 6.2	5.2 15.2 4.4 7.9 6.7	7·8 8·3 7·4 7·7 7·6	9.5 10.7 3.3 8.5 8.0	10-0 10-3 5-5 8-8 7-3	9.0 8.5 7.4 8.1 6.9	8·2 7·9 7·7 8·3 7·2	7-9 8-4 7-4 8-1 7-5
31 Mean	7-2	7-5 6-5	5-6	9·4 5·2	4-2	3.4	2·7 <u>3·1</u>	3.6	4·2 5·3	8·1 7·5	9-8	12.7	14.7	15·8 14·9	13.7	11.7	9-9	8-2	7•6 8•8	9-0	7·1 8·4	6·3 8·3	8•0 7•7	8·5 7·5	8•6 8•2

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

35. I	ERWIC	K / ((V)	20						4 6,	,000 γ	(•46	C.G.	s.uni	t) +				 				AU	GUST,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5–6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 Q 4	Y 731 757 754 755 753	Y 715 759 755 757 753	Y 726 762 753 759 749	Y 743 765 757 761 752	7 750 766 759 763 754	Y 754 765 761 765 757	7 755 764 761 764 757	Y 751 762 760 761 758	Y 747 757 754 755 760	Y 747 757 756 753 750	Y 750 749 755 747 743	7 754 740 751 742 736	752 744 750 746 737	7 763 760 752 752 743	7 774 768 755 753 747	Y 774 769 763 757 748	Y 770 772 772 762 756	7 774 765 768 763 762	7 782 761 766 760 757	Y 775 762 763 758 762	7 766 761 761 762 774	760 757 761 762 760	7 757 755 758 759 755	7 754 753 755 757 748	7 755 760 758 757 753
6 7 8 9	745 701 755 750 752	743 719 750 753 754	752 738 752 755 754	756 743 756 758 758	760 752 760 759 753	760 759 759 750 754	760 763 760 748 757	756 765 758 750 757	755 766 759 750 755	752 763 757 746 749	748 755 751 746 747	745 751 747 747 743	742 755 748 745 742	748 762 756 743 746	769 760 760 745 749	784 762 760 749 751	775 767 758 756 755	767 767 756 757 758	763 764 758 758 766	763 762 759 761 766	760 762 759 763 761	750 764 759 761 762	743 760 759 759 757	744 756 756 758 758	756 755 756 753 754
11 12 Q 13 14 Q 15	761 762 761 750 754	762 764 761 755 757	760 765 761 759 759	759 765 761 758 761	759 762 761 762 762	759 761 761 759 761	760 760 760 758 759	760 761 759 757 757	757 758 755 752 752	755 756 753 746 749	756 753 749 742 750	752 750 745 745 749	751 752 743 754 748	754 755 748 759 748	757 757 751 760 754	757 760 753 758 766	763 760 758 760 769	767 757 760 761 766	764 757 756 758 759	762 758 752 755 757	760 760 754 754 758	760 761 757 753 755	761 760 761 753 759	762 760 745 754 758	759 759 755 755 757
16 17 Q 18 Q 19 D 20 D	756 758 757 757 720	758 760 760 757 726	758 762 761 759 723	758 763 765 763 737	764 763 767 766 746	760 765 768 764 757	755 764 765 764 752	748 761 763 766 757	738 758 758 764 762	737 755 760 760 761	736 750 758 753 764	740 742 753 751 765	742 742 746 747 762	753 747 749 753 774	761 755 757 770 772	772 761 761 784 774	777 765 766 791 789	777 767 770 797 787	774 765 773 800 793	772 761 772 792 797	772 759 767 780 789	761 758 764 774 771	758 758 761 751 756	758 757 758 737 732	758 758 762 767 761
21 D 22 23 24 25	680 685 726 736 742	710 714 704 747 702	733 741 706 748 707	732 756 743 756 694	732 761 756 764 688	753 763 760 768 700	757 766 765 769 714	759 767 767 773 730	767 766 778 775 740	767 767 771 774 748	767 765 766 772 756	769 762 766 768 761	767 767 774 767 765	768 782 769 774 769	765 780 775 778 776	775 784 778 780 778	791 797 784 782 777	787 802 779 785 776	777 792 775 785 773	776 784 779 787 770	776 758 787 781 769	772 762 780 778 767	758 765 776 772 768	718 758 766 767 768	757 764 764 770 747
26 27 D 28 D 29 30	769 768 741 767 743	769 768 754 768 750	770 767 760 769 746	772 769 766 763 762	772 770 766 764 759	772 773 764 769 762	770 774 762 771 767	769 772 764 770 766	766 767 761 767	762 760 757 761 762	760 759 756 759 758	759 756 756 758 758 756	762 756 759 759 757	764 762 761 764 763	765 765 768 769 772	771 762 776 775 786	770 758 776 775 796	773 755 787 774 789	781 748 815 771 779	776 769 797 770 771	769 771 763 766 768	767 769 766 766 767	768 765 767 764 764	768 744 766 760 763	769 764 767 767 766
31	765	765	768	753	746	744	749	758	759	758	757	756	760	765	775	784	781	775	772	772	772	768	763	753	763
Mean	<u>746</u>	747	751	755	757	759	7 60	76 0	759	756	754	752	753	758	763	768	772	772	771	770	767	764	76 0	755	7 60

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

				٠,				1	errestri	al Magne	tic Ele	ments									Magnetic	Temperatur
Day			Hori	zontal F	orce				De	clinatio	n		\perp		Ver	tical Fo	orce		·	HR _H +VR _v	Character of Day	in Magnet House
		Maxi 14,0	Lmm.m 2000 γ +		imum 000γ+	Range			imum 3° +	Mini 13	mum • +	Range		Maxi 46,0	.mum 200 γ+		i.mum 2000 γ +		Range	10,000 γ ^{α "}	(0-2)	200 +
1 2 3 4 5	h 17 0 19 19	m 6 7 40 35 0	Y 495 468 472 494 493	Y 418 391 418 423 415	h m 11 1 10 2 11 3 10 3	7	11 11 11	3 46 3 34 3 4	18·9 16·7 16·3 15·8 16·4	2.5 1.5 3.4 3.3 0.6	7 1	1 16.4 14 15.2 5 12.9 5 12.5 3 15.8	h 18 16 16 5 20	m 26 5 28 12 20	7 784 774 774 766 778	7 712 737 749 741 733	11 12 11	n 57 36 20 23 27	Y 72 37 25 25 45	443 284 195 220 323	1 1 0 1	°A 84•7 85•4 85•8 86•0 85•9
6 7 8 9 10	14 15 22 19 17	56 33 21 11 53	489 471 474 484 483	415 410 420 418 425	9 5 9 3 9 4 10 1 9 5	6 63 54 66	1:	22 2 4 3 50	16.8 17.6 14.6 15.8 13.9	2.5 0.6 2.4 -0.3	7 6 3	18 14·3 6 17·0 15 12·2 13 16·1 12·3	15 16 14 20 18	32 47 46 3 50	790 770 763 765 770	739 682 744 741 740	0 3 12 13 3	45 33 6 38 31	51 88 19 24 30	345 498 167 203 224	1 1 0 0	86 - 0 86 - 0 86 - 4 86 - 5 86 - 6
11 12 Q 13 14 Q 15	16 20 19 17 14	34 15 46 0 45	475 476 479 467 500	431 425 413 427 414	8 5 11 10 3 9 2 9 2	5 53 66 5 40	1,	5 0 45	13-7 12-9 17-7 15-3 18-9	2.0 2.5 1.4 3.0 2.2	7 22	11.7 6 10.4 5 16.3 6 12.3 8 16.7	16 3 22 17 16	59 20 6 44 43	769 766 765 763 771	749 749 740 741 746	11 3 13 10	36 34 5 44 23	20 17 25 22 25	157 149 217 165 242	0 0 1 0	86 • 3 86 • 0 85 • 5 85 • 1 85 • 4
16 17 Q 18 Q 19 D 20 D	19 22 17 17	16 29 32 15 49	492 475 476 484 491	417 420 421 386 415	11 9 2 10 2 12 1 24	5! 5! 98	1; 1; 1;	13° 50 4	15-6 17-3 17-4 21-3 16-9	-5·4 2·4 2·6 -3·8 -0·8	6 t 22 t	21.0 4 14.9 7 14.8 3 25.1 6 17.7	16 18 18 18 19	16 0 55 57 24	780 768 775 804 799	733 741 744 724 717	12 13 24	33 6 0 0	47 27 31 80 82	323 206 220 515 487	1 0 0 1 1	85-6 85-8 86-5 86-5 86-9
21 D 22 23 24 25	19 17 19 19	12 19 36 1 59	490 499 477 476 475	390 399 387 415 423	0 3 9 3 8 4 10 5	100 90 61	1: 2:	28 0 2	16.9 19.3 16.8 17.0 17.2	-7·0 -2·7 -0·6 2·1 <u>-9·7</u>	0 4 2 4 6	9 23-9 6 22-0 7 17-4 8 14-9 9 26-9	16 17 20 19 16	46 17 28 43 6	793 806 790 788 779	663 670 679 727 682	0 :	29 36 58 20 6	130 136 111 61 97	741 769 648 372 532	1 1 1 1	87-4 87-5 87-6 87-8 87-6
26 27 D 28 D 29 30	17 18 16 20 0	6 47 47 34 20	475 522 503 477 477	416 419 421 408 407		103	10	46	13.7 16.2 14.6 15.3 16.7	1.9 1.6 -0.1 0.6 1.1	6 4 20 7	6 11.8 0 14.6 6 14.7 3 14.7 5 15.6	18 20 18 16 16	40 1 38 32 37	785 787 <u>828</u> 777 800	758 721 736 756 738	23 4 0 23 4	38 15 0 50 29	27 66 92 21 62	216 457 552 198 390	0 1 1 0 1	87-1 86-8 86-3 86-0 86-2
31 ean	16	11	475 483	418 414	9 4		1		17-0	0-7		4 16·3 - 16·1	15		787 781	738	24	0	49	311	1	86.3
of			31	31		+ "	+		10.9	0.4		- 16-1	╀▔		191	728		=-	53	347	0•65	86 • 3

74 13 0.5 B 1935 09 2 FIRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time

37. L	ERWIC	K (H)							14,	7 000 Y	(•14	c.g.s	.unit) +				<u> </u>			s	EPTEM	BER,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 Q 3 4 5	γ 440 458 461 460 456	Y 454 457 458 456 454	Y 434 455 455 458 449	Y 422 455 451 455 437	Y 461 453 457 454 454	γ 454 451 452 453 454	Y 455 445 451 447 450	Y 447 440 445 438 439	Y 438 432 433 427 432	Y 431 425 423 418 421	γ 426 424 423 415 415	γ 426 428 430 413 420	¥ 434 •437 435 428 430	Ý 443 446 450 442 450	Y 449 449 456 461 458	γ 453 455 451 469 466	Y 461 457 459 468 469	Y 467 461 459 461 468	468 463 466 466 462	468 466 470 472 463	Y 467 467 469 468 470	Y 466 465 459 466 457	Y 465 464 460 448 455	Y 462 463 462 447 453	Y 450 451 451 450 449
6	448	452	451	452	452	451	449	438	429	417	409	415	430	447	453	442	452	451	457	459	461	464	459	454	445
7	460	459	457	451	461	459	451	442	428	417	408	405	414	429	437	453	447	455	466	466	463	461	461	461	446
8 Q	467	449	447	452	452	447	448	443	431	418	412	413	426	436	448	456	458	461	461	460	459	458	458	458	447
9	460	459	452	452	451	448	447	443	436	429	426	429	433	441	447	460	465	471	475	473	458	438	442	453	449
10	453	449	434	433	449	452	442	437	423	412	403	426	429	438	453	452	463	479	485	458	454	461	431	414	443
11 D	454	446	471	490	455	458	456	434	426	435	441	444	473	493	445	478	523	543	531	457	458	463	413 ·	253	456
12 D	105	169	261	244	340	358	415	425	424	421	419	422	426	435	444	453	456	462	453	452	466	445	445	441	391
13 Q	436	431	431	436	439	441	437	432	426	418	413	420	428	437	446	452	449	447	450	451	451	449	447	442	436
14	441	441	440	444	443	442	435	428	419	418	417	418	431	442	449	453	448	450	457	461	464	463	443	431	441
15	438	453	448	447	449	447	443	432	420	409	413	421	428	443	473	497	478	457	449	456	446	439	442	412	443
16	422	445	442	430	449	448	440	417	414	418	421	419	427	432	442	449	453	444	465	461	453	439	426	397	436
17	369	354	444	447	447	439	451	409	408	404	406	410	421	432	473	446	451	471	460	441	425	438	432	437	430
18 D	413	423	439	447	458	458	446	411	400	387	381	400	413	467	463	443	437	442	446	450	449	444	453	440	434
19	435	432	442	409	451	433	416	418	425	404	394	403	410	426	425	440	436	446	457	459	419	407	400	379	424
20	407	436	437	440	446	441	443	441	433	424	418	421	424	433	441	444	443	442	447	449	450	451	451	453	438
21 Q	452	451	448	445	446	445	444	440	434	425	419	419	429	431	435	437	444	444	446	451	452	448	447	446	441
22 Q	448	447	447	445	447	448	446	440	431	421	416	417	420	426	434	439	442	451	457	458	455	452	450	452	441
23 D	450	452	453	450	452	460	• 463	451	426	409	403	406	398	444	448	550	548	554	524	448	385	289	188	274	430
24	262	246	337	407	385	434	438	431	425	416	416	417	420	425	445	462	482	476	479	482	475	459	447	437	421
25 D	439	428	397	353	372	428	421	393	349	349	391	409	433	431	472	473	480	482	440	433	436	451	428	391	420
26	397	434	420	360	422	400	400	420	416	409	406	401	409	429	469	473	449	431	435	438	447	439	439	443	424
27	442	442	433	426	439	443	438	413	392	387	397	413	425	436	429	437	437	441	445	444	442	445	444	433	430
28	425	436	438	440	439	439	425	419	410	408	409	417	417	414	423	430	431	436	438	445	447	446	449	448	430
29	441	445	432	437	444	449	446	436	436	418	403	399	416	421	432	438	445	446	454	447	443	435	432	443	435
30	445	443	439	437	441	440	440	433	411	399	392	400	427	419	448	472	469	464	461	441	433	398	321	336	425
Mean	423	427	433	43 0	440	442	441	431	421	413	411	416	426	438	448	457	460	462	462	456	451	443	431	424	437

11-3 12 1025/891/01/18/813.

MAGNETIC DECLINATION (WEST)

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

38. L	ERWIC	(D)				1	~					13	۰ +								,	S	EPTEM	BER,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 Q 3 4 5 6 7 8 Q 9 10 11 D 12 D 13 Q 14	, 19.8 6.9 6.4 6.9 5.7 5.7 8.0 8.6 7.2 6.3 2.1 4.9 5.5	, 5.4 6.5 6.9 6.9 5.8 5.9 6.3 5.1 5.6 -1.6 -3.8 5.5	, 0-6 6-4 6-5 6-6 4-6 4-9 5-9 7-0 -0-4 -14-9 4-9	/ 13.6 6.3 6.6 5.6 7.0 5.4 7.5 3.7 4.1 7.1 -1.2 -19.3 5.0	2.1 5.5 5.1 5.4 -0.7 5.0 2.5 3.8 4.6 -1.5 14.6 1.8	, -0.7 4.5 2.8 4.4 -0.7 4.3 0.4 4.0 6.2 4.0 3.3 19.6 2.8	, -0.5 3.9 3.3 3.1 -0.3 3.0 0.5 4.8 8.2 3.2 4.4 -1.4 3.2	, 0.3 4.3 3.5 2.7 0.9 3.5 2.2 5.1 6.0 3.7 9.7 3.3 3.7	, 2-4 5-2 4-4 3-7 2-2 4-1 6-8 7-2 4-5 8-9 0-6 3-4-5	, 5-4 6-9 5-6 6-8 5-1 8-1 7-6 8-2 7-9 8-8 3-7 4-8	/ 8-8 8-3 8-3 10-3 8-9 10-6 11-1 9-3 9-2 10-1 10-2 6-7 6-4 8-3	12.0 10.1 12.4 13.4 10.7 15.2 14.6 11.6 11.2 14.0	, 13-5 12-3 15-9 15-6 13-2 17-7 17-0 12-5 11-8 15-8	/ 13·1 13·9 17·3 15·4 14·5 17·4 16·0 11·5 11·8 14·9 23·4 10·3 11·7 14·3	12.0 13.6 16.7 14.9 12.8 17.3 13.5 9.6 10.7 13.2 14.2 9.4 12.0	, 10-8 12-1 13-9 13-1 12-0 13-6 9-4 8-1 10-1 9-9 17-9 8-3 10-9	, 10-0 10-7 10-5 10-1 11-1 9-4 6-9 7-3 9-5 9-5 9-5 7-1 8-5	, 9.9 9.6 8.5 10.7 9.8 7.2 6.3 7.2 9.6 9.8	, 4 8.8 9.2 9.0 7.2 8.3 9.9 10.0 7.3 7.3 7.3	, 8.7 8.2 8.3 2.5 9.8 7.5 8.9 3.6 2.5 6.1 7.4	, 8-2 7-7 8-8 3-9 7-3 8-2 8-2 5-8 5-9 2-5 2-5 6-2	7.9 7.4 6.3 7.2 3.1 7.8 8.0 8.2 -1.4 7.8 9.7 4.9 6.9	7.84 7.35 7.52 8.20 8.30 8.44 5.48	7-4-1 6-7 7-5 4-1 3-2 7-8-2 7-8-2 4-4 2-3 4-6 8-4	7·8 8·4 7·6 6·5 8·5 7·9 7·5 7·6 6·8 4·0 6·8
15 16 17 18 D 19 20 21 Q 22 Q 23 D	8-9 5-5 3-4 9-2 -1-2 -1-7 6-8 6-0 7-4	6.4 6.7 2.3 1.9 -0.5 2.5 5.5 6.9	4.5 6.4 -6.7 2.0 -4.2 1.0 5.7 6.2 5.5	8-8 -1-9 1-7 3-5 3-7 5-5 5-5 6-4	5-0 3-1 1-7 6-0 7-7 2-4 5-4 5-4	4-6 2-2 9-7 5-9 8-3 2-0 4-8 5-0 4-0	4.0 1.7 8.0 9.4 13.6 2.1 5.0 4.6 2.7	5.2 5.0 10.8 11.3 14.8 3.0 4.5 5.0 4.1	7-2 9-6 14-0 12-9 10-1 3-7 4-1 4-8 5-9	10-1 11-6 14-7 12-7 12-1 6-7 4-6 6-1 7-3	12-6 14-5 15-1 13-1 12-4 7-8 6-7 8-6 10-1	15-9 16-3 15-8 14-0 10-5 9-6 10-8 15-1	17.7 17.0 16.7 15.2 12.9 11.3 11.9 11.9	15.5 17.9 16.4 16.5 13.2 11.5 11.7 12.1 19.1	14-1 15-5 17-7 10-7 10-8 10-6 11-2 15-0 15-1	10-8 12-9 13-6 10-7 9-0 8-6 9-4 9-7 18-3 15-7	10.5 12.6 8.4 9.6 8.3 7.4 8.4 10.2	10-8 11-2 8-0 8-4 7-8 6-8 7-8 7-8 16-9 15-4	10-2 8-8 6-0 7-4 6-7 7-6 7-8 7-9 14-1 14-5	8.5 7.4 3.6 7.3 2.6 7.9 7.4 7.8 5.3	6-0 2-8 3-9 7-0 7-1 7-5 7-3 6-4 0-8	5.0 6.1 1.3 1.9 -0.2 7.7 6.8 4.9 -5.0	2-6 -1-0 6-2 -1-2 -4-4 7-4 6-8 6-4	-5-2 5-6 0-1 -8-7 7-6 6-6 7-3 -11-2 5-7	8-2 8-1 8-1 6-5 6-1 7-1 7-3 7-0 6-1
24 25 D 26 27 28 29 30	8.2 5.8 3.6 4.3 6.3	-7.9 0.4 6.3 6.3 2.5 6.1	2-1 -8-9 3-5 5-0 3-6 -0-7 6-3	13-7 7-6 3-0 1-2 7-7	4.7 13.3 9.9 9.1 3.7 3.2 9.8	3.6 6.3 10.5 8.7 3.1 3.5 13.1	1.3 8.4 9.6 9.9 5.0 3.6 11.8	1.2 11.7 0.1 10.8 6.3 5.2 12.7	1.2 8.2 0.4 9.2 8.6 6.5 12.2	3-0 18-0 4-1 14-6 12-0 8-3 11-0	5.4 ,15.3 6.7 15.5 10.4 10.8 15.1	9-3 17-2 10-3 13-7 11-4 11-6 17-5	11.8 20.1 11.7 12.5 15.3 13.0 18.7	12-8 15-4 13-3 11-1 13-5 12-8 18-1	9·1 10·2 13·9 11·0 19·3	9.7 9.3 11.4 8.3 17.6	7-7 6-2 10-1 8-7 6-7	7.7 6.2 7.3 7.3 10.3	6-9 5-4 4-5 6-7 -0-9	5·4 6·1 2·8 6·5 5·9 -1·0	5-6 4-0 4-9 6-6 4-2 0-3	3-6 4-2 4-5 6-1 -0-7 -4-5	2·3 5·7 2·6 5·4 -1·2 -7·9	-3·1 6·9 3·7 3·1 6·0 6·9	7-9 7-3 8-1 7-4 6-0 <u>8-9</u>
Mean	5•3	4-0	2-6	4-4	5•4	5-1	4.7	5-2	6•0	8-3	10.2	12.7	14-4	<u>14-5</u>	13-1	11-4	9-1	9-1	7-6	6•5	5-8	4.5	<u>2-3</u>	3-2	7-3

11-3/13/1935/093/01/TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT Mean value for periods of sixty minutes ending at the hours of Greenwich Mean Time

SEPTEMBER, 1935 39. LERWICK 46,000 γ (·46 C.G.S.unit) + (V) Hour 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Mean 0-1 1-2 3-4 5-6 6-7 7-8 8-9 2-3 4-5 Day 772 2 Q 770 772 754 757 5 756 753 8 Q 11 D 766 12 D 756 0 768 13 Q 14 771 8 727 728 707 708 18 D 733 770 71 21 0 768 768 **7**65 22 0 769 23 D 25 D 706 741 743 750 769 757 765 756 0 Mean

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS:

				•					T	errestri	al Magne	tic E	leme	nts							j	Magnetic	Temperature
Day			Hori	zontal F	orce					De	clinatio	m					Ver	tical Fo	orce		HR _H +VR _V	Character of Day	
		Max:	imum 000 γ+		imum 000 γ-	+	Range			imum 30 +	Mini 13	mum mum		Range		Maxi 46,0	00 γ + mm	Min:	i.mum 000 γ +	Range	10,000 γ³	(0-2)	200 +
1 2 Q 3 4 5	h 17 19 19 19	m 55 55 19 4 8	Y 472 469 472 502 478	Y 400 422 418 405 413	9 9 11 10	m 15 50 49 28 44	Y 72 47 54 97 65	h 0 13 13 12 13	m 15 59 43 55 27	27-2 14-6 18-3 16-1 14-9	-3·1 3·4 2·4 -6·9 -1·7	h 2 7 5 22 4	m 6 19 1 45 27	30·3 11·2 15·9 23·0 16·6	h 18 5 21 19 18	m 5 47 35 47 9	Y 768 773 776 800 780	Y 629 750 741 737 720	h m 0 28 12 42 12 34 22 37 4 12	γ 139 23 35 63 60	752 175 241 430 383	1 0 0 1 1	86 • 5 86 • 6 86 • 5 86 • 0 85 • 5
6 7 8 Q 9	21 14 0 18 19	51 31 10 55 17	475 474 481 482 501	401 402 409 425 387	10 11 11 10 10	33 2 6 41 0	74 72 72 57 114	12 12 12 13 13	5 34 53 30 4	18-5 18-2 13-0 12-0 17-1	2.5 -0.3 2.5 -2.3 -5.1	6 6 4 21 22	36 38 23 24 55	16.0 18.5 10.5 14.3 22.2	15 17 16 20 19	55 2 40 52 15	785 801 767 770 827	749 734 723 739 669	1 7 3 55 0 24 21 46 24 0	36 67 44 31 158	289 426 318 227 901	1 1 0 1 1	85•2 84•8 84•2 83•6 83•7
11 D 12 D 13 Q 14 15	18 20 15 20 15	1 10 31 55 21	737 481 454 495 524	145 -27 410 414 389	0 10 23	50 31 38 53 44	592 508 44 81 135	13 5 14 13 12	39 12 38 15 50	28-4 29-8 12-3 14-8 18-6	-26·8 -33·1 1·0 -2·0 -11·4	22 3 4 21 23	36 16 5 22 15	55.2 62.9 11.3 16.8 30.0	18 17 17 16 15	0 36 16 24 42	939 785 785 779 867	544 438 750 740 651	23 48 3 9 2 38 22 55 22 45	395 347 35 39 216	2703 2345 218 299 1203	2 2 0 1 1	83•7 83•9 84•2 84•5 84•8
16 17 18 D 19 20	20 14 13 19 23	13 34 57 48 30	474 510 490 475 454	380 279 373 358 397	1 10	56 21 3 15 0	94 231 117 117 57	13 14 13 20 12	14 41 51 36 55	19-3 20-6 19-7 17-7 12-1	-7·9 -13·0 -10·5 -12·5 -4·7	24 2 22 23 0	0 24 2 5 16	27-2 33-6 30-2 30-2 16-8	17 15 14 19 10	15 41 22 32 14	804 859 900 797 778	692 611 613 688 714	0 18 1 32 1 9 21 1 1 25	112 248 287 109 64	654 1486 1512 678 386	1 1 1 1	85-0 85-1 84-9 84-6 84-4
21 Q 22 Q 23 D 24 25 D	0 19 15 16 17	55 44 29 58 47	457 467 634 504 513	417 415 89 161 283	11 22 1	47 1 40 44 49	40 52 545 343 230	12 13 15 17	45 8 36 21 29	12.6 12.4 31.3 19.7 24.4	3·1 3·8 -17·8 -23·1 -15·5	8 21 22 0 2	55 5 14 35 20	9.5 <u>8.6</u> 49.1 42.8 39.9	17 20 18 19 15	16 59 29 25 30	788 773 <u>967</u> 891 895	758 753 573 623 611	24 0 12 14 22 37 1 28 4 5	30 <u>20</u> 394 268 284	198 173 2826 1751 1861	0 0 2 2 2	84·0 83·8 83·5 83·2 83·0
26 27 28 29 30	14 18 23 1 15	55 44 11 17 24	508 456 457 463 508	320 384 404 396 242	9 9 11	29 6 2 17 24	186 72 53 67 266	3 9 12 12 14	15 44 43 59 28	16·1 16·8 16·5 13·7 21·6	-2·4 -0·2 -0·5 -8·9 -13·4	8 22 0 22 22 22	8 30 50 6 16	18.5 17.0 17.0 22.6 35.0	14 16 15 16 16	47 58 29 40 20	825 801 827 787 897	617 729 688 695 541	4 5 4 22 0 22 22 24 23 25	208 72 139 92 356	1244 440 725 526 2045	1 1 1 2	82·4 82·1 82·5 82·8 83·0
Mean			496	344			152			18-3	-6-8			25-1			820	674		146	901	0-97	84-3
o. of			3 0	30			3 0			30	30			30			30	30		30	30	30	30

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

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

41. LE	RWIC	K (1	i)	Ec.		Lues I	(31 1.OU.		14	,000 y	(•14	C.G.	3.uni	t) +			~	Ĺ				OCTO:	BER,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	Y	Υ	Y	γ	Υ	γ	Υ	Υ	γ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ.	Υ	Υ 467	Υ 457	γ 449	453	Υ 43 9
ì	452	452	447	443	442	419	425	406	404	418 423	426 414	419 411	421 416	424 427	433 435	441 442	450 449	456 459	458 469	465 450	457	456	461	440	442
2 3 Q	448 441	448 444	445 444	444	445 441	445 442	446 443	441	434 438	428	413	408	415	427	436	440	441	445	451	454	450	445	445	448	439
4	444	446	446	446	450	451	452	450	443	432	424	416	419	429	439	444	457	452	460	453	451	450	453	452	444 441
5 Q	450	454	447	447	447	447	445	440	433	423	416	414	415	421	436	445	450	454	454	455	453	450	450	449	441
6 Q	448	448	448	448	450	451	449	444	434	424	417	415	422	428	438	445	45 0	451	457	458	459	458	458	459	444 443
7	459	443	445	447	450	451	451	447	439	432	427	400	417	433	441	446	448	451	453	456	458	458	442 465	443 447	443 442
. 8	443	443	445	445	446	448	449	441	430	419	416	417	425	438	437	444	451	448	455 450	448 449	452 450	453 449	449	448	439
9 Q	436	438	445	444	443	444	443	438	431	421	416	408	420 422	429 426	439 436	441	450 438	448 441	444	437	443	455	446	442	438
10	445	441	441	439	443	441	443	442	434	424	420	417	422	4.60	430	444	450	***				207			
11 0	442	440	440	442	443	446	448	447	443	434	426	428	437	444	443	460	453	460	482	430	435	428	422	422	441
12	408	439	434	437	440	441	441	438	428	420	414	413	416	424	433	442	445	448	450	450	450	448	450	450 453	436 441
13 Q	450	444	445	444	443	443	446	446	439	428	421	413	411	423	433	438	444	451	453 448	456 448	451 438	452 435	453 447	450	441
14	453	456	456	458	452	470	467	447	435	424 425	411	397	402	420 423	430 444	440 432	444 449	444 444	440	448	417	416	436	447	434
15	445	429	441	439	439	441	449	449	442	425	400	400	403	423	***	302	440	***	120					1	
16	445	445	443	451	429	434	453	435	424	413	408	407	419	435	434	440	438	444	436	435	436	442	444	444	435
17	445	438	441	436	442	452	439	443	427	404	393	389	395	419	440	439	457	440	448	448	437	420	417 442	437 446	431 434
18	442	386	431	447	451	436	428	421	435	428	418	412	424	434	438	445	448 443	447 444	438 444	433 446	439 440	440 437	444	450	438
19	452	442	440	445	448	451	454 452	448	436	422 435	413 422	407 415	412 472	425 489	432 525	439 515	475	450	444	403	327	297	406	417	437
20 D	441	436	439	443	444	450	452	445	440	430	422	410	412	403	~~	020							i		
21 D	419	429	425	422	425	427	406	429	406	397	393	421	414	439	435	433	438	449	439	423	413	392	373	347	416 423
22	428	428	387	390	410	421	437	428	421	409	405	412	404	409	433	432	436	432	435	437	454	435	436 443	435 442	423
23	434	431	424	429	436	443	440	437	429	419	410	411	414	422	430 593	434 609	437 419	439 411	444	442 419	444	445	416	415	436
. 24 D	444	437	437	440	444 428	445 424	437 422	387 421	367 413	383 402	392 397	433 398	442 405	449 415	425	435	436	442	445	458	459	385	321	404	417
25	414	411	419	423	420	424	466	461	412	406	301	350	400	270	1	100					,	` `	1		
26	428	425	426	426	433	433	433	431	424	415	407	406	409	416	419	428	435	440	440	441	441	440	440	437	428
27 D	435	432	433	435	448	447	452	436	442	435	418	423	420	422	433	455	486	498	524	589	452 433	360 431	393 436	391 433	444 424
28	382	434	436	421	426	426	425	417	423	416	405	404	410 418	421	431 422	437 437	443 429	432 424	438 428	423 424	435	436	435	435	427
29 30	433 433	428 424	419 418	429 427	435 444	437 432	438 418	436 405	430 411	406 406	403 412	416 422	434	419 431	461	453	444	430	427	425	433	434	431	434	429
30	400	464	410	461	444	*52	410	400	411	****	***	2~~	202	30.	*~-						į			l!	
31	433	438	434	439	434	426	420	397	397	397	410	424	414	439	444	431	441	440	442	449	445	445	451	440	430
Mean	438	436	436	438	440	441	440	433	427	418	412	412	418	429	443	449	446	446	448	447	440	431	434	436	435

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

42. I	LERWIC	K (:	D.)									13	0 +						<u> </u>				OCT	OBER,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 Q 4 5 Q	3·4 5·3 2·9 2·9 5·2	3-1 4-6 4-3 3-0 4-2	3·3 4·5 4·5 4·2 3·0	, 3.8 4.4 4.9 4.5 4.1	3·2 4·8 4·9 4·8 4·1	4·3 4·8 4·5 4·7 4·0	4·1 4·4 4·2 4·5 3·7	7·3 4·0 4·0 4·0 3·3	, 15.0 4.5 4.0 3.2 3.2	7·9 5·7 5·4 3·3 3·9	9-2 7-0 7-3 5-4 5-8	9·4 9·4 9·9 7·6 8·6	11-9 10-8 11-6 10-0 10-8	11.8 11.2 11.6 12.1 11.0	11.5 10.1 10.2 12.0 11.4	10-1 8-5 8-7 10-9 9-6	9·1 7·7 7·2 10·5 8·3	% 8 · 4 7 · 7 7 · 1 8 · 8 8 · 1	8.5 8.7 7.5 9.5 7.9	8-5 8-0 7-4 6-7 7-3	8-2 8-1 7-5 1-6 6-8	4.5 7.1 6.8 5.3 6.4	6.0 4.5 6.7 6.4 6.2	6-9 -4-0 5-7 6-3 5-9	7-5 6-3 6-6 6-3 6-4
6 Q 7 8 9 Q 10	5.6 -2.1 6.1 4.0 4.4	5-8 -1-5 4-8 6-4 3-5	5-6 4-0 4-3 3-8 3-0	5.5 4.3 4.5 3.2 1.8	5·3 4·3 4·4 3·8 1·9	4-6 2-9 4-0 4-0 2-3	4·1 3·9 3·5 3·6 2·5	2·8 2·1 2·7 3·3 2·1	2.4 2.2 2.6 2.8 2.1	2·7 3·4 4·3 3·0 2·4	4.5 7.5 6.8 6.7 4.7	7·6 15·2 8·7 7·1 7·6	9.7 12.8 10.1 8.6 10.3	10-6 12-5 12-0 9-6 12-1	10.6 13.5 11.6 10.3 11.6	8.8 13.2 6.9 8.5 11.0	7-8 10-8 7-9 7-6 8-1	7·8 9·2 7·2 6·2 2·0	7-8 7-8 0-6 6-3 -0-4	7-3 6-8 5-8 6-8 4-8	7-4 6-1 6-9 7-0 6-9	6·9 -5·2 5·3 3·8 4·3	6-6 1-9 0-8 3-3 -2-6	5·9 5·4 2·9 4·7 4·5	6-4 5-9 5-7 5-6 4-6
11 D 12 13 Q 14 15	5-0 1-5 5-0 5-6 5-1	4.8 -0.7 4.1 5.5 9.9	3-6 1-6 4-4 5-3 3-0	3·3 3·6 1·7 6·0 0·6	3-9 3-3 2-4 8-6 4-0	3-6 3-9 3-7 7-0 6-9	3.9 3.8 3.5 2.9 4.0	2.7 3.5 2.4 4.1 2.2	2.0 3.6 1.5 3.7 1.7	2.5 4.6 2.5 3.4 3.9	4-8 6-6 5-1 6-4 7-5	8·1 8·4 7·7 9·7 10·1	12·1 9·6 9·2 11·9 12·8	14.5 10.3 10.5 12.6 13.7	13-8 10-4 9-5 11-7 16-4	5-8 9-1 8-0 10-0 8-1	15.5 7.4 7.2 8.1 10.3	5·7 7·2 7·5 7·9 9·5	-1·8 7·0 7·3 6·4 0·7	4·1 6·4 7·1 6·0 -10·2	0-0 6-1 6-2 4-0 -7-0	-2·1 5·9 6·0 -1·4 -3·4	-0-8 5-8 5-8 3-0 2-9	-2·3 5·8 5·8 5·0 4·8	4-7 5-6 5-6 6-4 4-9
16 17 18 19 20 D	7·3 3·5 5·4 4·2 1·9	6.1 3.3 11.8 3.8 1.8	5·3 4·9 5·2 4·2 3·9	7·3 5·1 2·3 3·9 4·5	5•2 5•8 2•3 4•2 3•2	11-8 4-7 5-8 4-2 3-0	9-9 5-6 9-1 3-5 3-0	8·8 5·2 13·6 3·7 2·3	7·3 3·8 11·6 2·3 1·7	4·3 5·1 7·8 3·2 5·2	6.2 8.5 10.9 7.1 8.7	8.6 11.9 12.3 9.3 11.8	10·3 13·7 12·1 11·8 20·6	11.8 14.0 11.5 12.0 18.5	6.9 15.3 10.2 10.7 22.8	4·2 8·3 8·2 8·6 20·0	6·1 9·8 6·3 7·1 13·9	2·1 8·9 5·7 6·4 1·6	-0-1 3-3 1-9 4-0 0-8	2-4 1-4 4-8 -1-8 0-4	4.8 -0.2 5.7 0.7 -0.8	4·7 -2·0 5·2 1·9 -14·1	4.6 1.6 4.3 3.2 0.6	5.0 3.3 4.7 3.3 5.4	6-3 6-0 7-4 5-1 5-6
21 D 22 23 . 24 D . 25	5-6 1-4 5-3 6-6 3-2	5-6 2-4 4-0 6-2 3-9	5-1 1-4 9-1 4-4 3-5	4-9 9-3 7-8 4-8 2-1	5-0 7-7 6-3 4-4 1-7	6.0 11.4 4.1 4.1 0.9	9.0 5.8 3.8 7.3 2.2	7.6 6.1 2.2 21.4 1.9	6-4 3-7 1-0 16-2 1-6	5.6 4.7 2.0 10.5 2.1	8.6 5.1 5.1 6.4 4.9	9·9 8·1 8·8 7·8 7·2	9.0 11.3 10.2 8.3 8.4	14-0 12-5 10-4 13-3 8-0	11.8 10.6 9.6 17.4 7.6	10-0 6-7 8-1 20-0 7-5	-5·9 2·7 6·9 16·4 8·0	-8·9 4·2 6·1 11·5 8·0	-17-6 2-9 5-8 8-9 7-9	-3-2 4-2 4-6 6-5 5-6	-3·8 2·8 2·7 4·9 -1·0	-1·4 5·1 3·8 4·0 -0·2	3.8 4.8 3.6 -2.3	-3·8 4·5 6·1 3·2 -17·2	3·2 5·8 5·8 <u>9·1</u> <u>3·1</u>
26 27 D 28 29 30	-2·0 3·8 -0·4 2·4 4·1	2-0 4-8 -2-7 2-8 4-9	4.6 1.2 -3.9 6.1 5.7	4-7 3-2 -0-6 3-9 5-1	3·3 1·8 -0·1 2·5 1·7	2.8 1.4 1.0 2.8 3.4	2.8 -0.3 0.7 3.1 12.4	2.7 1.7 -0.1 3.0 9.5	2-2 1-1 -0-2 3-5 6-6	2·7 3·2 2·5 4·5 6·3	4·3 5·4 5·1 9·4 7·9	6.4 9.0 7.9 11.2 11.8	7.9 13.4 9.5 12.1 13.3	8·3 17·6 12·4 12·3 13·9	7.5 19.9 12.4 11.8 16.3	5-9 20-6 12-2 3-5 15-5	5-6 17-9 10-5 4-3 8-1	5.9 5.9 4.5 7.9 3.4	5-4 18-9 5-8 5-8 5-7	4.9 18.9 5.7 3.4 2.8	4·4 4·1 2·5 3·9 3·9	4·5 4·4 3·9	2.7 -11.0 0.9 4.6 3.2	2·4 -5·8 1·4 4·0 2·5	4·2 6·4 3·8 5·5 7·2
31 Mean	5•3 3•8	6·2 4·2	7·2 4·1	5·1 4·2	5·1 4·0	12-6		14·3 5·0	14-6	15·1 4·6	6.8	9-3	<u> </u>	15.3	12.3		9·8 8·4	7·2 6·2	5·7 4·8	5·5 4·8	4·3 3·5	3·6 <u>2·4</u>	2.5	2.7	9 <u>·1</u> 5·9

1935/103/01/BB PERREETRIAL MAGNETIC FORCE: VERTICAL COMPONENT
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time 46,000 y (.46 C.G.S.unit) +

OCTOBER, 1935

Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	Y	Y	7	Y	Y	Y	Y	Y	Y	7	Y	Y	7	7	7	7	Y	7	Y	7	7	7	7	Y	Y
1	723	751	760	767	763	764	745	745	748	751	761	760	761	763	763	765	767	767	769	766	770	798	782	771	762
2	770	770	771	771	770	769	768	771	771	770	769	765	760	756	758	763	767	767	769	781	772	768	732	711	764
3 Q	748	759	764	767	768	768	768	767	767	767	765	758	753	753	758	763	767	769	768	769	771	774	771	769	765
4	769	765	766	767	767	768	769	771	772	772	769	768	763	760	760	765	768	771	770	778	779	772	768	767	769
5 Q	767	760	758	759	761	765	767	768	770	770	770	763	759	757	756	761	765	766	767	767	768	768	767	767	764
6 Q	766	765	765	765	764	765	766	769	771	771	769	764	760	759	759	760	760	761	762	764	764	765	766	766	764
7	747	751	759	762	762	762	764	766	767	764	763	769	767	765	766	768	767	765	766	770	771	778	771	770	765
8	772	773	771	769	767	766	766	768	769	770	769	767	766	767	771	775	771	771	773	769	767	768	752	752	768
9 Q	761	756	750	763	765	764	763	764	767	769	768	771	770	770	766	767	768	770	769	768	765	768	769	768	766
10	766	766	761	738	737	751	756	758	763	766	767	766	765	770	781	793	811	824	791	784	772	764	758	767	770
11 D	768	769	769	769	766	764	761	761	760	759	760	757	756	764	781	836	827	849	803	791	793	788	768	756	778
12	706	682	741	759	764	765	765	764	763	762	758	759	760	763	767	768	769	767	765	763	761	760	761	762	756
13 Q	764	766	758	751	761	764	763	762	763	763	763	763	765	765	765	770	770	767	765	763	764	762	762	762	763
14	765	764	765	764	751	728	735	745	757	764	766	768	761	761	766	772	779	776	775	775	776	742	751	755	761
15	759	740	667	712	738	737	748	760	767	769	769	774	777	767	785	806	792	802	810	785	759	752	754	749	762
16	747	753	763	746	742	716	729	741	751	764	769	768	762	772	799	811	803	799	791	782	776	771	767	765	766
17	752	752	758	762	761	758	764	764	770	775	775	778	775	778	783	810	811	805	791	780	775	761	705	699	768
18	712	659	655	721	736	744	748	752	745	751	757	761	760	760	764	767	771	783	809	804	785	776	770	763	<u>752</u>
19	740	750	761	761	762	763	763	767	771	771	769	772	772	770	770	769	769	770	774	775	771	767	758	723	764
20 D	727	739	749	755	759	759	762	768	770	762	765	777	827	844	885	906	908	880	854	776	661	643	699	710	779
21 D	730	744	763	767	767	761	755	763	773	785	792	811	820	808	802	797	821	819	816	796	757	708	616	648	767
22	732	753	720	693	719	727	755	761	770	776	785	799	805	802	791	804	810	798	796	786	753	744	748	756	766
23	758	756	749	738	753	760	766	774	778	781	778	773	772	773	775	774	772	769	767	770	769	765	766	764	767
24 D	753	752	758	762	764	764	765	764	761	763	777	821	884	850	877	930	894	824	816	812	787	778	779	778	801
25	780	773	757	767	772	772	774	777	780	781	781	779	780	782	782	778	775	773	774	784	831	780	686	667	770
26	720	754	761	768	773	774	774	774	776	775	776	778	778	778	781	781	776	774	774	772	771	770	769	770	771
27 D	771	768	758	751	753	763	759	760	748	750	756	758	769	794	819	849	893	901	890	956	878	827	750	715	797
28	725	707	730	736	750	764	773	779	780	784	785	786	787	785	786	789	798	847	871	820	792	787	764	774	779
29	774	775	767	754	762	771	772	774	773	779	779	779	786	791	800	816	821	809	804	803	790	783	778	773	784
30	765	759	741	722	730	742	731	735	760	776	789	791	802	820	835	877	880	856	816	805	789	774	771	767	785
31	766	762	758	754	759	750	74 0	752	756	764	772	78 0	805	807	827	822	79 0	78 0	776	769	77 0	769	761	747	772
Mean	752	751	751	753	757	758	759	763	766	769	771	774	778	779	786	797	<u>798</u>	796	792	787	774	765	752	<u>749</u>	770

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

44.	L	ERWI (CK														(OCTOBER,	L935
							Te	rrestri	al Magnet	ic Elemen	its					_		Magnetic	Temperature
Day			Hori	zontal F	orce			De	clination	ì			Ve	rtical Fo	orce		HR _H +VR _v	Character of Day	in Magnet House
,			imum 000 γ +		imum 000 γ +	Range	Max:	imum 30 +	Min:	Lmum 30 +	Range		imum 000 γ +		imum 000 γ +	Range	10,000 γ² ຶ	(0-2)	200 +
1 2 3 Q 4 5 Q	h 20 22 19 16	m 45 26 15 23 47	γ 475 484 455 464 462	γ 396 406 407 413 410	h m 7 2 23 11 4 12 1 11 3	5 79 5 78 5 48 3 51	h m 8 33 13 29 12 57 13 18 14 32	17.2 11.8 12.3 13.3 12.1	1.6 -6.6 -3.1 -1.4 2.1	h m 0 0 23 34 0 0 20 0 7 38	15-8 18-4 15-4 14-7 10-0	h m 21 35 19 17 21 31 19 37 10 2	9 808 785 775 784 772	7 680 690 734 758 751	h m 0 0 22 53 0 0 14 9 1 52	Y 128 95 41 26 21	711 556 261 195 173	1 1 0 1	°A 83-3 83-0 82-7 82-9 82-6
6 Q 7 8 9 Q 10	23 0 22 21 21	1 24 8 6 49	462 484 477 455 487	414 384 413 401 416	11 2 11 2 11 1 11 1 11 5	64 3 54	14 12 11 49 13 15 14 6 13 35	11-2 17-6 14-8 11-6 13-9	2.2 -11.4 -2.4 1.5 -16.0	9 19 21 14 18 17 0 6 17 59	9-0 29-0 17-2 10-1 29-9	9 35 21 9 18 8 11 43 17 13	772 793 778 774 827	759 734 748 745 728	14 25 0 42 23 0 2 12 3 50	13 59 30 29 99	131 420 233 213 564	0 1 1 1	82-7 82-1 82-1 81-9 81-5
11 D 12 13 Q 14 15	18 1 19 5 13	25 28 9 45 52	516 455 461 488 475	411 372 403 390 389	0 4 12 1	58 98	16 27 14 56 13 27 13 3 1 45	19-8 10-8 10-7 14-4 20-4	-15·7 -3·6 0·5 -6·3 -16·0	18 23 1 15 3 58 21 26 19 32	35·5 14·4 10·2 20·7 36·4	17 23 15 20 16 6 20 40 17 53	876 770 771 783 822	748 666 748 720 651	23 24 1 25 3 40 5 39 2 16	130 104 23 63 171	758 605 191 436 922	1 1 0 1	81-0 80-5 80-2 80-6 81-2
16 17 18 19 20 D	17 18 17 22 14	52 53 11 56 54	468 473 454 473 585	394 378 358 399 257	4 5 11 5 1 3 11 2 21	95 4 96	5 8 13 10 1 39 12 46 13 17	18·1 17·1 21·5 13·7 28·9	-11·6 -7·3 0·0 -11·9 -21·4	18 38 18 47 18 11 19 35 20 21	29·7 24·4 21·5 25·6 50·3	14 57 15 40 18 43 18 47 14 49	815 827 823 781 950	704 693 598 722 614	5 32 23 25 1 54 23 48 21 30	111 134 225 59 336	624 762 1188 382 2042	1 1 1 2	81-4 81-6 81-0 80-2 80-0
21 D 22 23 24 D 25	17 20 21 14 20	52 33 11 48 16	473 484 452 <u>784</u> 485	262 332 405 354 281	11 5	5 152 5 47 8 430	13 45 12 49 2 45 15 35 19 24	14.9 14.1 12.2 31.1 13.6	-37·4 -5·3 -0·5 -0·7 -24·3	18 14 20 30 20 5 11 55 23 20	52·3 19·4 12·7 31·8 37·9	17 44 16 50 9 35 14 46 20 50	843 813 783 954 839	557 671 733 749 642	23 6 3 12 3 14 0 40 22 47	286 142 50 205 197	1639 882 301 1578 1214	1 1 1 2 1	79-0 78-0 77-4 78-1 79-0
26 27 D 28 29 30	22 19 18 15 14	34 6 15 49 40	447 697 484 456 469	403 231 346 397 395	10 5 21 4 0 4 9 5 7 5	7 486 7 138 5 59	13 8 19 18 15 4 13 54 15 3	8-6 33-6 13-7 13-6 20-2	-12·4 -25·0 -9·2 -5·8 0·3	0 0 22 4 1 40 15 47 4 50	21.0 58.6 22.9 19.4 19.9	14 46 19 35 18 26 16 14 15 52	782 1032 883 830 905	687 690 685 752 717	0 0 22 7 1 13 3 41 3 20	95 342 198 78 188	507 2270 1123 449 983	1 2 1 1	79•3 79•5 79•1 78•9 78•9
31	19	24	470	391	8 5		12 9	21.2	-4-1	22 32	25-3	14 57	856	735	6 32	121	679	1	78-4
Mean			492	374		- 118		16-4	-8-1		24.5		826	703		123	742	0-97	80-6
o. of Lys Used			31	31		- 31		31	31		31		31	31		31	31	31	31

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

45. L	erwici	K (1	H)				r			14	,000 y	r (•14	C.G.	S.uni	t) +				L				NOVEM	BER,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 Q 5 D	Y 436 435 401 439 445	Y 437 432 432 439 442	Y 433 427 435 438 443	Y 431 427 432 439 440	Y 423 436 433 440 444	Υ 436 446 437 441 444	Y 444 450 432 445 447	Y 445 445 439 441 448	Y 441 437 435 437 441	Y 431 427 425 428 428	Y 422 423 419 421 421	Y 427 418 417 418 426	Y 428 423 424 422 428	Y 433 426 431 424 429	Y 441 436 437 431 438	Y 436 441 438 438 453	Y 441 449 428 443 453	Y 448 447 444 445 447	γ 445 439 442 446 435	Y 444 440 447 446 417	Υ 446 419 455 446 436	Y 445 435 443 448 438	Y 444 437 450 447 464	Y 444 423 455 444 396	Υ 438 434 435 438 438
6 7 8 9 10 Q	418 442 438 445 440	430 440 434 445 438	403 438 441 445 440	364 442 442 446 442	418 444 442 448 442	439 443 448 448 444	430 444 454 448 443	416 441 445 446 440	434 434 436 439 435	422 428 427 432 427	412 423 416 418 425	412 420 417 420 427	418 421 423 428 429	427 429 427 435 435	431 436 436 438 439	439 441 434 441 441	442 445 433 444 444	442 447 434 449 453	443 446 442 450 452	444 435 446 454 451	444 429 445 452 451	445 436 443 449 453	444 439 448 438 452	444 441 446 439 453	428 437 437 442 441
11 12 D 13 D 14 D 15	449 440 378 425 432	448 427 400 430 432	446 444 424 436 436	448 443 427 430 430	450 419 429 437 429	452 458 423 447 431	450 457 440 420 433	449 435 438 421 436	449 426 429 434 432	442 431 424 430 425	441 423 407 417 417	436 417 411 409 412	423 401 418 410 415	434 424 418 414 422	441 456 427 427 431	445 456 439 438 438	454 504 434 436 441	447 463 433 413 440	452 438 442 416 440	443 435 432 419 440	438 434 436 417 441	436 430 441 392 441 435	436 419 438 426 440	435 445 424 435 440	443 439 425 <u>424</u> 432
16 17 Q 18 19 20	439 433 443 435 439	439 430 442 430 440	439 428 442 433 439	440 430 442 435 440	442 433 442 441 441	443 436 441 450 444	442 441 442 451 442	441 440 441 437 442	439 440 438 424 436	427 436 433 428 421	420 430 427 416 421	422 430 426 406 424	425 431 431 415 421	435 430 436 419 427	435 436 441 427 414	435 440 446 432 427	435 445 441 438 435	442 452 445 437 439	446 441 449 440 440	447 440 449 443 436	438 446 449 441 437	448 453 447 451	446 440 438 444	446 455 441 442	438 441 433 435
21 22 23 24 25 Q	441 442 444 446 444	438 441 440 446 444	438 441 440 445 445	441 443 441 446 445	436 443 446 445 447	437 444 447 445 449	446 442 439 447 448	439 441 440 448 446	440 439 442 448 448	432 437 435 446 444	426 432 431 444 441	425 427 427 446 440	428 433 431 445 442	431 438 435 446 444	434 439 434 447 447	427 436 435 449 449	431 442 439 450 449	442 437 440 453 449	442 441 452 449	443 444 443 448 451	439 444 443 448	440 445 449 447	441 445 447 442	447 445 445 438	439 440 447 446
26 Q 27 D 28 29 30	436 439 434 441 438	435 440 433 439 437	443 441 431 438 436	442 441 434 442 441	442 444 439 452 441	444 446 441 456 426	444 445 441 459 445	443 449 439 454 458	441 445 439 454 448	436 443 434 452 434	433 442 433 442 415	431 442 429 442 422	434 442 425 444 438	439 443 425 446 438	441 451 432 445 439	443 453 432 446 442	444 431 448 446	444 430 452 443	457 426 453 448	479 433 454 442	436 432 461 437	443 439 468 425	440 440 446 448	438 442 440 435	445 434 449 438
Mean	435	436	437	4.36	439	443	444	441	439	432	425	424	427	431	437	440	444	443	443	443	441	442	442	440	438

MAGNETIC DECLINATION (WEST)

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

13° + NOVEMBER, 1935 46. LERWICK (D) Hour G. M. T. 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 1-2 3-4 5-6 6-7 2-3 0-1 Day 1 10·3 8·4 4·1 -1·3 1·8 5.0 4.2 0.1 2.9 3.1 5-9 3-8 4·6 2·2 3·7 3·2 3·7 1·2 5·4 1·5 6·1 3·4 8.8 10.1 10.6 8-4 3.2 3.0 3·5 1·9 7·6 7·6 7·0 10.2 4·9 7·9 -3·6 5·7 -2·0 4·2 -0·5 -0·7 -5•0 0•5 2.3 10-0 10-1 8-5 2.9 3.2 3-9 4·0 6·5 8·8 8·8 10-1 2-2 0-6 4-1 8-3 8-0 1.9 8-2 4·1 4·6 4·3 5·6 3-2 8-6 -2-3 12-0 3-0 0.7 3.6 4-2 1-7 4-1 4-9 4·6 1·7 5·2 2·3 3·3 3·1 3·8 5·3 7·3 4·6 6·0 4·1 4·6 7·5 13-0 4-7 4-4 8-0 2-1 7·2 7·7 7·4 5·1 4·5 5·7 2·5 2·2 2·7 8-2 7-1 8-2 1.8 5.3 0•3 -0•1 2.6 6.0 4·7 5·6 1.6 5.1 4·1 6·9 4.2 2.6 3.0 3.2 3·2 4·2 3·6 3·5 4·1 8·5 8·7 8-9 5.1 2-7 8-3 1-8 5·2 3·9 4·8 3·6 5-2 5•3 3•9 6-0 7.0 6.3 6-1 6.0 6-0 5.7 5-0 4.2 10 Q 4·7 5·4 <u>1·6</u> 4·3 4·2 5.0 5.8 2.9 7.0 4.3 3·4 9·1 5·9 6·2 2·7 3·5 3·2 6·4 9·2 9•6 9•8 6•8 7·6 13·5 6·8 5·5 7·2 9·1 0·9 7·1 7·3 3·0 7·3 9·6 -1·2 0·7 0·9 2·7 0-7 -0•4 0•4 -6•5 -5·0 -15·9 4·0 7·1 2·3 8·1 6 • 8 7 • 6 4 • 3 11 12 D 13 D 14 D 15 4.2 2.1 2.2 6.4 4.2 4·3 4·2 -3·9 5·9 4·2 3·9 3·5 4·7 4-6 5-9 4-9 9-4 1-7 10·5 3·1 5·5 10.6 4.4 6.0 5.2 5•4 4•0 10·3 7·1 1.5 18.5 6·2 2·7 6.0 7.7 -0-6 -0•6 3•8 0.0 0.1 -0·3 3·7 4.2 7.6 5-1 4.1 5-8 7-0 7.0 4·9 4·0 4·2 4·8 4·5 6.5 5.3 -0.2 5.2 0.4 6.6 4.0 5.1 3.9 5.7 2-5 4-7 4-8 1.8 4.2 1.3 -1·0 4·6 -10·1 2·3 3.0 3.7 3.2 6.5 3·7 3·7 4·2 6·2 5·3 4·2 5·6 7·9 7·2 8-6 5-1 8-1 6.0 4.8 5.3 3-8 4-4 4-7 4·2 2·6 3·9 5·6 4·1 2·1 3·0 3·2 3·3 3·0 8·0 5·7 4·2 1·1 16 2.5 7-0 8-0 6·6 8·0 6·3 7·8 2-7 2.0 4.2 4.3 5-9 6-7 17 18 19 4.5 0.9 4·3 2·6 4·5 2·1 6·1 4·7 9-9 9·5 8·7 -6·6 -3·4 10.7 5.3 4.0 1.9 6.7 20 3.8 5-0 4.2 5-2 6-0 7-5 -0-3 3·4 3·7 4·6 3·2 1.0 3.0 4.6 6.0 6.0 4-0 3-9 4-1 3-7 3-3 21 5·4 3·7 5•4 3•7 4•2 4·4 4·2 4·6 8•0 **7•**0 7·2 6·3 5.0 6.1 2·7 5·7 3.5 4·0 4·1 6·8 3·7 4·0 5·5 3.8 4·2 4·9 5·1 4·3 -0-3 2.7 1.9 22 23 24 25 Q 3·7 5·1 3·2 3-6 3·7 3·7 4·2 3-5 4-0 5·7 5·3 6-6 7-0 6.9 4·7 7·9 4.0 4-2 4·1 4·1 1.3 7·2 6·9 8-0 7-0 6·5 7·0 4.2 4.0 4.0 6.5 5.8 4-2 2-9 2-8 3-3 3.2 3.1 2-8 3.4 4.2 5-0 6.0 3.8 4.6 4.4 5.0 4·6 3·1 2·1 7·0 7·2 4·5 9·8 4·0 1·2 3·2 4·2 4·9 5·6 9·8 7·6 7·3 4·6 5·9 1.9 3.8 3.8 2·5 3·7 3·0 3·1 3·3 3·9 3-4 3-0 4-3 4·7 4·4 4·2 6.5 7.5 6.5 7.1 6 • 4 8 • 6 7 • 2 8 • 8 26 Q 27 D 28 1•4 2•5 3•1 3·7 3·7 4·2 3·7 5·4 6·2 5.0 3.0 10·2 7·5 6·2 -5·0 4·4 6·7 4.2 3·3 2·1 3·5 2·7 2.3 4·2 5·7 5·8 8·1 5·9 2.8 4-8 6-2 5-8 4-9 5.0 4.5 6-4 7-0 6-6 7-0 8-5 4-0 4-1 5-1 4-8 4-7 4.8 -6-6 -5-1 3.2 4.8 4-5 4-0 2-8 4-4 2.8 5.0 3-7 7-1 7-9 7.0 5-3 4.8 4-6 3-9 3-0 1.3 1.4 4-5 2.5 3-6 3-9 4-1 4.1 3-9 3-9 4.0 5-6 8.1 8-4

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

46,000 y (.46 C.G.S.unit) + NOVEMBER, 1935 47. LERWICK (V)

4/• L	EWATC		* /																						
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19 -2 0	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 Q 5 D	Y 760 755 710 757 776	7 765 754 692 766 774	Y 766 764 717 770 760	Y 766 766 751 771 768	Y 770 766 765 772 771	Y 759 768 768 775 773	Y 753 766 777 775 772	Y 755 768 781 778 774	Y 756 771 784 778 776	7 759 775 783 778 780	Y 759 773 780 778 783	7 759 774 780 778 780	760 773 778 777 780	Y 765 772 777 776 782	Y 769 774 779 774 782	776 775 782 773 788	Y 773 776 795 773 824	Y 772 789 792 773 833	773 813 785 775 807	773 807 783 776 803	772 785 771 778 765	772 730 771 778 769	773 738 767 777 724	768 754 752 779 654	766 770 767 774 775
6	688	728	734	688	681	727	736	752	751	767	780	783	780	779	777	777	775	774	773	773	773	773	774	773	755
7	775	775	774	771	768	771	771	771	772	775	776	779	779	779	776	775	773	773	773	783	789	779	773	766	775
8	763	765	758	762	768	767	764	767	774	774	779	780	781	781	782	790	798	794	784	780	783	777	773	774	776
9	775	775	775	773	772	771	768	768	771	773	776	776	776	775	777	776	775	773	772	771	774	777	774	780	774
10 Q	783	785	782	779	776	773	771	769	769	768	768	771	773	775	776	775	773	771	771	770	771	769	770	771	773
11	774	775	777	775	774	771	769	766	762	763	763	767	772	772	774	777	778	779	779	793	794	785	756	733	772
12 D	723	737	748	753	741	716	743	759	763	766	770	777	790	791	799	869	951	897	839	804	796	784	776	730	<u>784</u>
13 D	706	718	740	773	774	775	775	779	785	783	786	790	791	788	806	829	844	842	811	790	784	768	723	732	779
14 D	741	753	761	763	767	767	770	770	767	775	780	783	789	795	802	812	833	841	812	795	786	780	752	771	782
15	762	751	757	771	778	777	775	780	783	784	784	782	779	776	776	778	779	779	779	779	778	776	775	774	775
16	773	773	774	774	775	776	777	777	777	781	780	778	777	777	782	787	791	792	795	803	812	804	793	789	784
17 Q	782	779	778	782	781	781	777	777	776	776	777	778	777	776	776	776	776	775	784	788	782	778	777	775	779
18	776	774	771	769	768	771	773	773	775	777	777	777	776	776	776	777	784	794	782	780	778	775	771	755	775
19	762	757	752	748	758	763	765	770	774	779	783	788	793	798	794	796	790	791	788	783	782	781	772	768	776
20	772	775	775	774	770	767	768	768	772	778	779	781	793	800	806	807	807	797	783	789	786	770	767	768	781
21	771	770	767	768	766	758	754	763	767	772	777	782	788	786	789	792	790	785	778	777	775	775	776	777	775
22	778	777	775	774	773	773	773	773	775	777	779	781	780	780	784	787	782	785	787	786	783	779	776	761	778
23	750	764	770	773	771	769	770	769	769	774	777	779	781	781	782	784	784	779	778	774	773	772	772	772	77 <u>4</u>
24	773	774	773	772	771	768	764	764	766	772	771	770	773	774	774	773	772	771	773	780	780	775	775	776	772
25 Q	762	769	773	774	773	771	769	769	766	769	771	771	773	773	774	774	773	773	773	771	771	770	775	776	771
26 Q	777	777	773	775	775	772	769	767	766	768	770	770	770	770	773	775	774	772	770	769	772	778	774	769	772
27 D	770	769	769	771	769	769	768	764	763	763	763	764	767	769	770	772	787	828	839	867	822	792	783	775	782
28	773	773	774	774	774	772	771	770	768	769	768	765	766	772	778	782	784	791	800	789	785	777	771	768	776
29	768	768	769	769	767	766	766	765	763	762	764	764	766	767	771	771	774	773	772	774	791	791	791	785	772
30	783	780	777	773	770	771	753	748	755	761	770	773	772	777	780	781	788	801	792	810	815	785	760	773	777
Mean	761	763	765	767	767	767	767	768	770	773	775	776	778	779	781	786	793	<u>793</u>	788	787	784	776	769	763	775

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

48.															ARRIVE TOTAL	gija o igit se ti w		· · ·		NOVEMBER,	-///
	<u> </u>						-	<u> </u>		ial Magnet		ts	г						-	Magnetic Character	Temperatur
Day	<u> </u>		Horiz	ontal Fo	rce					Declination	on	Т	<u> </u>		Ver	tical Fo	rce		HR _H +VR _V	of Day	in Magnet House
		Max:	μεντιμ 200 Α+		nimum γ 000 γ	+	Range		ximum 13° +		imum 130 +	Range		Maxim 46,00		Mini 46,0	.mm.)00 γ +	Range	10,000 γ² ຶ	(0-2)	200 +
1 2 3 4 Q 5 D	h 17 21 20 21 22	m 40 23 2 51 31	Y 454 469 471 450 492	γ 419 395 379 417 <u>346</u>	h 10 21 0 11 23	m 34 5 41 25 24	Y 35 74 92 33 146	12 4 0 3 12 4	16 11.7 2 13.5 4 20.0 2 11.5 0 14.6	0.8 -12.7 -5.9 -0.8 -23.8	h m 0 2 21 20 16 57 0 3 18 36	10-9 26-2 25-9 12-3 38-4	h 15 18 16 23 17	37 30 50 5 54	Y 778 822 806 780 876	7 750 708 665 752 634	h m 6 4 21 50 0 56 0 2 23 20	Y 28 114 141 28 242	177 638 781 169 1340	1 1 0 1	°A 78-0 78-3 78-8 79-5 80-0
6 7 8 9 10 Q	5 18 6 21 17	53 27 6 45 39	454 455 458 461 455	347 414 413 412 424	3 12 10 10	24 12 44 41 49	107 41 45 49 31	12 13 11 3	2 15-5 9-8 3 10-9 6 10-8 2 7-9	-8-5 -3-4 -3-4 -1-7 2-5	0 23 20 0 20 35 23 0 6 26	24.0 13.2 14.3 12.5 5.4	10 20 16 21 1	46 22 25 24 34	787 793 800 783 786	652 765 754 768 767	0 0 23 45 2 44 6 32 10 25	135 28 46 15 19	784 189 279 141 134	1 0 0 0 0	80-0 79-9 79-9 79-6 79-7
11 12 D 13 D 14 D 15	16 16 21 23 16	21 56 57 45 50	460 533 482 457 442	420 384 361 372 411	12 12 0 21 11	24 16 19 54 33	40 149 121 85 31	14 5 14 2 18 5		-12-9 -27-3 -23-6 -14-7 0-7	23 24 23 52 0 26 19 36 6 46	24·4 48·2 34·1 34·1 7·7	20 16 16 17 10	33 18 35 32 39	799 <u>972</u> 873 845 786	729 677 664 737 749	23 30 24 0 0 7 0 0 1 56	70 295 209 108 37	384 1591 1144 631 222	1 1 1 0	80-0 80-2 80-2 79-6 79-1
16 17 Q 18 19 20	19 17 23 21 21	39 17 24 47 24	452 453 478 462 464	418 425 422 401 410	10 1 22 11 14	40 58 50 7 37	34 28 56 61 54		9 8·3 1 10·3 7 11·7	-3-2 -1-2 -17-7 -13-1 -15-1	23 0 0 35 23 24 21 46 16 57	13.0 9.5 28.0 24.8 27.0	20 19 17 13 16	18 2 40 36 54	817 791 800 800 825	772 774 742 745 761	0 32 9 8 23 31 3 30 21 45	45 17 58 55 64	263 120 351 340 376	0 0 1 1	78-6 78-9 78-9 78-8 79-1
21 22 23 24 25 Q	6 23 4 17 16	28 41 55 58 55	450 460 451 459 453	420 424 425 438 438	11 11 11 19 24	48 40 10 35 0	30 36 26 21 <u>17</u>	13 1 18 5	8 7-7 6 9-8	-1-6 -2-0 0-4 1-8 0-4	17 13 23 36 0 12 7 27 23 8	10-9 9-7 9-4 7-9 8-6	15 17 16 20 24	9 55 10 10 0	795 791 787 783 777	750 745 744 763 757	6 29 24 0 0 10 7 10 0 30	45 46 43 20 20	253 266 243 128 123	0 0 0 0	79-2 79-2 79-0 78-5 78-4
26 Q 27 D 28 29 30	20 19 6 20 7	35 25 14 37 15	454 535 444 488 469	431 424 418 436 396	11 20 18 23 11	15 5 14 50 6	23 111 26 52 73		6 16-7	0-4 -16-7 0-4 -17-5 -16-2	2 40 19 39 21 39 21 4 21 26	6-8 33-4 8-8 28-5 28-4	21 19 18 20 19	39 37 19 58 54	780 896 807 824 821	766 819 763 760 736	8 32 9 6 12 10 9 0 6 37	14 77 44 64 85	98 520 243 373 502	0 1 1 1	78-4 78-1 77-5 77-8 77-8
Mean			466	408			58		- 11-7	-7-9		19-5			813	739		74	427	0-53	79-0
io. of tys Used			30	30			30		- 30	30		30	 		30	30		30	30	30	30

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

14 000 " (*14 C G S nni+) +

DECEMBER, 1935

49. L	ERWICE	(1	1)				ì			14	,000 1	(• 14	C.G.	5.uni	() T								DECEM	BER,	-977
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	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 2 3 4 Q 5 Q 6 Q	Y 435 443 387 433 439 442 438	Y 435 442 420 429 436 440 438	Y 429 396 432 436 438 440 436	Y 427 433 431 433 439 440 440	Y 422 443 426 432 438 440 442	Y 434 447 430 434 437 441	Y 414 442 434 435 439 441 442	Y 416 436 434 434 436 439	Y 432 428 431 433 433 434 439	Y 430 412 426 432 433 431 437	γ 426 418 425 432 436 429 432	Y 432 425 425 432 439 426 421	Υ 435 404 431 435 442 430 418	Y 438 427 428 437 444 438 420	Y 434 438 436 436 444 438 431	Y 447 440 418 440 445 438 436	Y 431 442 411 438 447 443 442	Y 440 441 419 440 445 444 442	Y 440 444 440 441 447 444 438	Y 443 442 432 445 449 443 441	Y 439 442 443 445 445 445	Y 460 442 436 443 435 446 447	Y 448 435 442 442 441 441 440	Y 424 419 438 438 444 437 437	Y 434 432 428 436 440 439 437
.8 9 10 11 12 13 14 D	434 437 415 442 433 433 436	433 437 433 439 437 433 436	441 437 440 436 436 438 435	439 438 440 440 440 446 435	441 443 446 445 444 455 438	444 447 452 448 443 452 439	450 447 452 450 445 438 439	447 447 451 451 442 426 439	443 445 448 441 440 431 441	441 440 443 430 439 428 438	439 432 434 426 435 426 421	437 425 426 418 431 425 407	437 425 426 429 435 415 420	441 432 434 433 440 417 420	445 436 438 437 444 432 428	448 438 445 437 433 436 437	449 444 443 440 422 435 425	438 446 430 445 436 436 436	442 446 437 447 440 439 479	443 434 440 447 429 441 428	459 439 439 444 435 441 429	441 430 433 430 436 440 419	441 430 438 434 429 438 435	443 430 439 434 435 436 440	442 438 438 438 437 435 433
15 16 17 18 19 20	439 429 435 437 447	391 436 426 435 430 440	432 429 437 432 440	440 439 431 441 435 440	429 439 435 442 439 441	430 450 439 445 440 444	439 440 • 446 438 445	422 415 442 441 437 441	399 432 435 433 434 439	395 419 421 425 434 436	397 420 426 431 437	412 417 426 428 436	414 421 416 425 425 434	429 431 421 432 431	421 423 433 430 434 436	428 418 436 434 433 427	428 435 435 433 437 430	424 428 429 438 439 434	419 430 440 432 433 436	436 430 443 436 437 437	438 431 441 438 433 447	439 460 439 435 439 437	439 435 445 441 437 445	433 433 444 441 436 440	430 433 435 435 438
21 22 Q 23 Q 24 25 25	441 446 440 443 423	440 444 440 443 429	440 442 441 445 434	441 443 442 445 435	442 444 443 447 439	442 444 444 449 445	443 444 444 449 447	445 444 445 447 452	440 444 443 448 450	430 439 441 446 448	439 440 440 445 438	438 440 434 441 436	434 438 429 442 445	431 438 429 442 435	432 441 431 440 433	438 441 437 441 444	441 443 442 442 452	445 446 446 446 453	447 448 447 446 442	443 447 448 450 442 438	438 445 448 452 443 420	437 443 444 457 422 436	436 441 441 446 420 396 438	441 441 443 433 423 370	439 443 441 445 439 431 432
27 D	384 411 421 428 441	407 425 422 428 436	423 393 408 431 436	416 404 423 437 437	426 420 424 436 437	438 431 433 432 438	437 425 421 431 437	429 430 428 426 433	418 441 428 431 432	429 440 426 431 427	424 401 427 424 421	415 400 426 421 422	432 426 430 430 426	441 433 433 431 433	436 440 429 435 438	447 444 439 436 442	446 441 440 441 446	453 444 439 447 441	456 445 444 430 438	458 442 444 440 439	454 442 440 444 444	448 436 440 441 451	426 447 439 442	422 434 432 435 438	428 432 434 436
Mean	431	431	430	435	437	441	439	437	436	432	428	426	429	432	435	438	438	440	442	441	441	440	437	433	435

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

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

13° + DECEMBER, 1935 50. LERWICK (D) Hour 5-6 7-8 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Mean 1-2 3-4 4-5 6-7 8-9 9-10 0-1 2-3 G. M. T. Day 1 D 4.1 4-8 2.1 0-7 1.2 0-4 5-4 6.7 8-0 2.5 4-1 10-5 4-6 6.6 10-0 .6.0 -4-0 4.6 3-9 5-4 6.8 8-2 8-8 9-1 8-0 6.2 5-9 6.1 3-9 3.5 2-8 4-5 4-4 3 1.7 3·4 2·5 2.8 -1-1 1-3 3.2 3-4 3-9 6.5 6.1 5·8 5·7 -2-3 2.3 4.3 3.2 2-4 3-2 4 Q 5 Q 4-9 3.7 7.6 0-5 6.7 6.0 3.7 6 7 6·2 7·2 3-5 3-1 2-4 2.8 3.0 2-8 2-6 4.3 7-7 5-7 4-3 3·4 3·5 3·4 3·7 2·2 2·4 3·0 2·4 4·1 5·2 2.2 2.6 9-4 -1·1 -2·3 1.5 2.0 3.0 6-2 6·1 6·4 8 9 4.5 2.9 3.4 3-2 2.4 1-8 1.0 2.5 7·8 7·4 6.8 5.8 5.2 3.1 2.7 3.9 8-2 3.6 2.4 10 6-8 4·3 1·2 11 3-8 0-1 4.0 3-9 3-5 2.7 2.8 2.5 3-6 8-7 9.1 8-0 4-8 2-8 5.3 12 13 14 D 15 3·5 11·3 1.4 0-9 2-4 4-3 3-3 3·5 7·6 4-4 5·1 6·2 6·5 12·0 6·3 9·1 6·2 5.0 5.1 3.2 2·1 4·3 -3·1 0·4 3·5 2.7 -1·7 2·5 -0•7 3-4 4-8 8-3 9-8 11-8 1.7 4-3 3·0 2·7 4·1 2·9 4·4 3·0 8-1 6 • 6 7 • 6 6·3 8·3 0-6 2.5 5-5 2-8 8.8 2.8 2.8 0.5 -1-9 -0-6 15.6 3.3 3-4 -0-3 0-7 4-8 3.5 0-7 -0-7 2.5 4-3 6-3 4-9 9-3 10-2 9-3 17 18 1.5 3.2 3.2 0·2 2·6 2·8 4·1 3-9 5-0 5-6 5-9 5·2 6·9 5·8 7·9 6·1 7·2 5·5 6·4 5·4 2·6 4.3 4·5 3·8 4•0 -6•8 2.8 1·3 -0·1 4·0 3·5 4-3 4-0 4.5 4.5 5•5 3.4 0.7 0-4 5-6 3-3 5.9 5.0 4.9 19 3-6 3-8 6.6 4-3 20 7-6 3-6 3-4 3-1 6-8 7-6 4·9 5·9 4·1 4·2 3·7 21 22 Q 23 Q 6-9 5-7 4-9 2·6 3·5 3-1 3.5 4.5 5·9 5·4 5·2 5·2 5·7 4·1 4.5 3.1 3·4 3·5 3-9 3-4 3·6 2·9 3·0 2·8 3·0 2·7 3·3 2·6 3·4 2·6 3·4 2·8 4·0 2·9 5·0 4·1 5·5 5·2 5·4 4·9 5•0 3•7 1.7 3.4 3.5 24 25 2.1 -7-3 4-0 3-8 3-5 0-0 4-4 .10-6 -6-6 5-1 3.8 8-6 6.5 5.0 10-1 9-4 12-0 26 D 27 D 28 D 6 • 4 5 • 7 7 • 3 7·2 8·5 14·2 -1-4 -7-7 -5-7 -0-2 0-7 8-0 9-8 10.2 12·6 7·4 20-2 9-7 8-0 6.5 -2-2 -0-4 -5-0 10-9 4-0 14·1 -2·1 0·5 -3·7 8.8 5-8 -3-0 0-5 4-0 10·3 -3·4 -4·6 -8·1 -7·6 3·2 -1·4 4·2 2·6 6·1 1·9 9·3 7·1 14-0 11-7 10-6 -5-0 -0-6 5-9 5-9 10-0 1.9 2.8 0-8 11-1 -4-8 -0-8 5.0 6.2 6-2 6-3 5.0 3-8 0.9 0-4 0.7 2-4 2-6 29 3-6 2.1 2.8 2.8 3-1 4-2 6·4 7·3 6-4 5-7 6.1 3-9 5-0 6·1 4·5 2.7 4.6 0.3 -5-3 -3-0 2-8 4-4 30 2.6 5.0 5-6 4-6 3-8 3-7 2.1 2.0 2.3 2.6 1.9 2.3 5.4 3-0 2-2 -1•9 0-9 3.3 1.2 2.6 4-1 31 1.7 1.9 2.0 2.5 2.6 2.3 1-9 1-8 3.0 4.3 4-0 5-9 6.4 4.9 5-3 4.7 5.5

3.7

4.0

2.5

0.9

-0-3

0.3

3-8

1.8 at 0-1 h. Jan. 1st 193 4-5

4-8

5-4

6-9

7-2

6.8

6.0

5.9

5.0

1.0

2.1

2-3

Mean

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

51. L	ERWIC	K (V)							46,	000 γ	(•46	c.g.s	.unit) +								DECEM	BER,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 3 4 Q 5 Q	Y 776 757 700 770 777	Y 777 753 725 771 778	Y 774 749 763 762 777	Y 763 735 769 766 774	Y 771 749 766 772 773	Y 763 765 765 774 773	Y 751 770 773 776 772	Y 728 771 774 778 773	Y 738 777 777 779 774	7 763 780 780 778 774	Y 771 774 780 779 774	7 773 779 780 779 774	7 774 800 779 778 774	7 782 796 779 775 774	7 791 783 778 774 776	789 780 800 773 774	9 813 782 808 774 771	Y 814 783 804 773 771	Y 802 783 798 774 772	7 791 782 792 775 774	7 791 780 775 777 777	774 776 779 778 787	7 765 771 776 779 780	771 753 773 779 779	Y 775 772 775 775 775
6 Q	779	777	774	773	771	770	769	770	773	773	774	778	780	779	779	777	776	774	775	777	779	780	790	781	776
7	780	779	779	776	773	770	770	770	771	771	774	779	782	784	783	786	783	779	782	780	779	773	771	773	777
8	770	754	758	765	768	768	767	768	771	774	775	776	774	775	776	776	775	780	779	776	768	770	773	774	771
9	774	775	774	774	771	768	768	768	769	771	774	778	779	780	781	780	779	780	779	788	800	804	795	761	777
10	746	749	756	762	765	764	765	767	768	771	774	774	774	774	777	777	779	792	785	780	779	779	773	771	771
11	768	772	774	773	774	773	772	769	772	773	773	775	776	780	785	791	792	786	780	777	776	782	776	762	776
12	762	756	761	763	764	767	768	771	772	768	770	772	770	775	783	799	817	813	800	804	794	783	783	774	779
13	767	763	763	770	768	766	769	768	762	770	775	783	789	788	787	788	797	805	792	786	785	779	777	776	778
14 D	774	775	776	777	777	777	778	777	775	774	779	784	782	788	799	815	837	834	907	85 8	819	797	777	748	795
16	753	719	718	719	754	763	756	760	779	793	800	817	822	813	821	812	806	811	817	793	785	780	778	778	781
16	762	740	762	758	762	765	772	777	761	769	786	791	794	804	818	833	803	807	802	796	793	762	748	765	780
17-	765	758	756	754	764	772	776	778	781	783	784	783	791	784	781	781	782	787	782	782	782	781	776	757	776
18	759	768	771	771	771	767	764	769	772	778	778	781	780	784	783	784	789	784	789	794	780	782	774	755	776
19	736	746	757	763	764	766	769	772	777	778	780	781	781	777	777	778	777	777	783	781	784	780	780	775	772
20	750	760	769	769	769	769	771	774	774	777	777	777	777	777	777	784	785	783	783	783	777	777	774	774	774
21	774	774	774	771	771	771	771	771	774	775	772	773	774	774	776	776	773	774	774	776	779	781	784	790	775
22 Q	773	768	770	770	770	769	768	768	770	774	772	773	773	774	773	773	773	771	772	772	773	776	776	775	772
23 Q	775	773	772	771	770	769	769	768	769	769	769	772	773	773	775	772	770	770	769	769	769	770	773	773	771
24	772	772	770	770	769	768	767	767	766	766	767	768	769	770	772	774	772	769	768	766	765	764	774	787	<u>770</u>
25	782	784	778	779	776	771	769	765	765	763	765	766	769	775	780	780	777	778	806	843	863	832	811	805	787
26 D	802	798	792	771	764	754	778	733	745	761	767	775	776	784	792	801	837	824	824	837	826	810	771	718	785
27 D	750	777	783	766	748	764	754	750	759	759	777	786	786	789	802	802	805	826	863	895	894	894	859	844	801
28 D	846	802	754	743	755	772	777	769	766	769	777	777	779	780	786	787	789	792	809	797	795	795	793	766	782
29	769	778	764	780	788	790	789	788	787	785	784	782	781	783	793	792	793	795	793	792	785	782	779	775	784
30	777	779	777	781	782	783	783	782	781	788	782	785	782	783	785	787	789	790	805	796	788	787	785	792	785
31 Mean	774	783	783 767	783 <u>766</u>	783 768	7785 770	784 770	787 769	786	785 774	785 776	785 779	785 781	784 782	783 785	783	787 790	799	800 <u>795</u>	795	791	789 787	786 780	773	778

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

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

52. LERWICK

DECEMBER, 1935

									Ter	restria	l Magnet	ic Ele	ment	t.a								Magnetic	Temperatur
D			Horiz	ontal Fo	rce					De	clinatio	n.					Ver	tical F	orce		HR _H +VR _v	Character of Day	
Day .			imum 000 γ +		nimu ,000		Range	¥	laxia 13°			imum • +		Range		Maxi 46,0	mum 00 γ +		imum 000 y +	Range	10,000 γ ² ⁸	(0-2)	200 +
1 D 2 3 4 Q 5 Q	h 21 22 20 22 16	36 6 33 25 39	Y 474 456 480 450 454	9 392 381 361 427 429	h 6 2 0 1 21	m 49 30 12 0	Y 82 75 99 23 25	11 6	m 54 37 25 7	14·4 11·9 9·4 9·6 7·3	-10·6 -13·2 -11·7 -0·1 -2·3	21 23 0 0	m 31 7 2 18 36	25.0 25.1 21.1 9.7 9.6	h 16 12 16 22 21	m 51 52 10 13 30	Y 851 814 815 781 793	7 721 731 674 759 769	h m 7 51 3 15 0 50 2 26 16 40	Y 130 83 141 22 24	725 496 801 136 148	1 1 0 0	77-0 76-3 76-0 76-0 75-9
6 Q 7 8 9 10	22 21 20 5 6	3 19 34 46 5	454 459 474 449 455	423 414 427 413 410	11 11 0 24 0	48 50 15 0 5	31 45 47 36 45	13 0 21	41 25 55 1 27	9·1 12·0 8·1 10·3 8·7	-1·4 -10·1 -4·3 -16·0 -13·7	21 20	45 0 5 40 5	10·5 22·1 12·4 26·3 22·4	22 16 17 21 17	47 6 45 14 44	783 791 784 815 803	769 764 753 749 742	6 10 20 46 1 52 23 50 0 58	14 27 31 66 61	110 191 212 360 349	0 1 1 1	75-5 75-2 75-0 75-4 75-5
11 12 13 14 D 15	22 14 4 18 3	16 24 26 39 44	462 451 480 549 457	407 419 401 375 365	22 16 12 22 2	54 45 54 25 20	55 32 59 <u>174</u> 92	14 8	33 40 6 45 0	9.9 13.2 12.9 14.9 18.6	-18-0 -6-1 -4-0 -30-4 -10-7	20 17 22	28 10 16 43 13	27-9 19-3 16-9 45-3 29-3	21 16 17 18 14	54 [†] 47 16 34 35	796 825 815 <u>972</u> 828	757 750 758 736 678	23 36 1 36 8 15 23 13 2 0	39 75 57 <u>236</u> 150	262 395 352 1352 832	1 1 1 1	75•2 75•2 75•6 75•9 75•9
16 17 18 19 20	21 22 23 0 20	43 52 57 0 50	505 473 454 452 454	386 401 416 418 420	10 12 13 12 15	33 0 22 20 49	119 72 38 34 34	12	4 7 39 44 15	15-6 8-6 8-5 8-7 10-3	-18·3 -2·3 -11·7 -8·8 -1·2	3 19 0	28 48 24 15 55	33.9 10.9 20.2 17.5 11.5	14 12 19 20 15	55 22 18 55 54	859 794 802 788 790	733 750 730 730 743	21 52 3 25 24 0 0 4 0 38	126 44 72 58 47	760 309 391 319 273	1 1 1 1	76 • 1 76 • 0 75 • 6 75 • 1 74 • 8
21 22 Q 23 Q 24 25	24 20 20 21 20	0 15 28 39 27	458 449 449 465 476	427 436 427 424 411	9 0 13 23 22	28 55 10 40 32	31 13 22 41 65	12 14 14	26 35 25 14 39	7-6 6-1 5-5 6-2 20-2	-2·4 -2·7 2·5 -10·5 -10·7	24 0 6 24 0	0 1 0 1	10.0 8.8 3.0 16.7 30.9	22 21 0 23 20	21 43 10 43 37	786 776 775 794 887	770 766 767 761 761	7 1 7 12 7 24 21 41 7 49	16 10 <u>8</u> 33 126	120 66 69 213 681	0 0 0 1 1	74 • 7 74 • 4 74 • 1 73 • 9 73 • 7
26 D 27 D 28 D 29 30	15 20 1 19 17	25 11 27 46 23	459 477 491 467 452	355 361 351 403 409	22 0 1 2 1	51 12 52 10 56	104 116 140 64 43	18 11 11	31 0 23 39 48	21-6 19-9 17-3 8-0 9-8	-15·4 -13·5 -15·6 -12·9 -10·5	0 2 22	16 14 27 48 35	37.0 33.4 32.9 20.9 20.3	20 19 0 17 18	3 43 0 28 40	850 908 865 799 812	708 720 728 757 768	23 46 0 0 3 5 0 19 24 0	144 188 137 42 44	827 1035 841 284 287	1 1 1 1	74-2 75-4 76-4 77-1 77-5
31 Mean	21	41	465 465	418	11	54	47 61		35	8-0 11-4	-6·8 -9·5		38	20-8	17	40	805 818	767 744	0 5	38 74	245 433	1 0.81	77 • 4 75 • 5
- of					├				-					····	\vdash	-			i		-		
ys Used			31	31			31			31	31			31			31	31		31	31	31	31

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

			,		, ,											-									
		Hour 0-1	G. M. T	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-2
	NTH nd								77.01	TEAN	DAT 394	DAR.	/ATT	DAVO	\									1935	
SEA	SON	53	. LEI	RWICK					HOI	ALZON:	PAL FO	RUE	(ALL	DAYS)	,	r									
Feb. Mar. Apr. May June July	•••	Y -6.5 -6.8 -3.4 +1.4 -4.3 -5.5 +3.1 +3.3	-7·3 -2·7 -1·6 -4·9 -1·0	Y -8·8 -5·3 -5·0 -3·2 -1·3 -7·2 +3·4 +3·0	Y -1.9 -3.6 -0.9 +1.1 -0.6 -2.2 +3.2 +2.3	Y +3·2 -0·3 -1·3 +4·3 +1·5 +0·9 -1·1 +3·3	Y +5.9 +3.0 +3.6 +3.6 +1.3 -1.1 -4.8 +1.3	Y +5·0 +7·2 +3·0 +1·6 -3·7 -5·6 -5·3 -1·4	Y +5.8 +6.3 -0.6 -3.3 -9.2 -13.2 -13.7 -10.3	-22·6 -22·9 -22·2	-23·9 -30·5 -27·6 -28·9	-17·0 -31·7 -25·9 -31·8 -29·8 -29·2	-24.6	-7·7 -12·1 -21·2 -17·6 -16·4 -17·1 -15·9	+0.7 -0.6 -1.8 -9.4 -6.0 -6.7 -6.5	+4.6 +10.0 +3.2 +1.1 +8.8 +5.7 +0.4	+6·3 +12·6 +11·3 +6·6 +23·8 +14·6 +7·1	+5·5 +15·1 +18·0 +16·7 +34·1 +17·0 +11·1	+8·6 +12·6 +23·6 +22·5 +35·9 +19·6 +16·5	+10·5 +10·4 +23·5 +23·6 +38·0 +19·9 +19·4	+8·5 +7·0 +20·8 +24·0 +29·3 +20·6 +20·0	+4.2 +5.3 +16.0 +20.2 +22.6 +19.8 +17.9	+1.2 +15.3 +12.6	-5·8 +3·5 +0·9 +6·3 -9·1 +9·7	-4· +0· +4· -1· -7· +5· +8·
Oct. Nov	•••	-14·9 +3·4 -2·4 -4·7		-4·7 +1·8 -0·8 -5·1	-7·7 +3·2 -1·4 -0·1	+2·8 +5·8 +1·2 +2·0	+4·9 +6·3 +5·2 +5·2	+3·6 +5·7 +6·1 +3·8	-6·1 -1·2 +3·7 +2·0	-8·0 +1·0	-16.7	-12-4	-22·8 -13·5	-11·2 -16·7 -11·2 -6·6	+1·0 -6·0 -6·3 -3·2	-0·8 -0·3	+13·5 +2·6 +2·4	+2.5	+10·4 +5·7 +4·3	+13·0 +5·7 +6·5	+11·5 +5·1 +5·5	+4·3 +3·3 +5·9		-1·5 +4·2 +1·6	+0 +2 -2
Year	•••	-3.1	-3-9	-2.8	-0.7	+1.9	+2.9	+1.7	-3.3	-10-2	-17·1	<u>-20·5</u>	-19·7	-13-1	-4.8	+4.7	+10-5	+13·5	+15•9	+16 · 6	+14.7	+11.3	+4・9	+1·1	-0
Winter		-5.1	-5.6	-5.0	-1.7	+1.5	+4.8	+5•5	+4.5	+1•0	-3-4	-7-8	<u>-9·7</u>	-7•3	-2-3								+1.5		
Equino		-3-4	-4.7	-2.8	-1.1	+2•9	+4.7	+3•5			-20 · 1			-15-3		1					+14.7				_
Summer	·•••	-0.9	-1.3	-0.5	+0.7	+1·1	-0.8	-4.0	-11.6	-20.9	-21.1	-50.5	-20.7	-16·7	-6.4	+4.0		479-0	723-0	T40 6	TR.3-0	TRU 1	120-0		-
54.	LERWIC	ĸ				-			DECI	LINAT	ION ((ALL 1	DAYS)											1935	
	•••	-2·94 -3·05	-1.64	-1·30 -2·13	2.07	_1 • 35	-1.11	-0.66	-0.70	-0.13	+0 -42	+1.64	+3.10	+3·00 +4·25	+4.72	+5.01	+4.05	+2.37	+1.73	+0.08	-1-23	-2·44 -2·16 -1·16	-3-47	-3·65 -3·79 -2·86	<u>-3-</u>
Apr. May June	•••	-1.65 -2.16 -2.32 -1.48	-1·22 -2·18 -2·34 -1·89	-2·37 -1·11 -2·63 -3·24 -2·45	-2·06 -1·89 -3·37 -3·40	-3·15 -3·14 -4·68 -4·03	-2·99 -4·04 -5·81 -4·94	-3·01 -4·02 -6·48 -5·40	-3·88 -3·77 -6·24 -5·30	-3·73 -3·38 -4·91 -3·72	-2·13 +1·93 -2·64 -2·03	+0·13 +0·69 +0·18 +0·30	+2.98 +3.41 +3.58 +3.51	+5·52 +6·36 +5·95	+6·56 +6·07 +7·13 +6·99	+6·17 +5·43 +6·60 +6·35	+4·37 +4·04 +5·65 +4·85	+2.86 +3.12 +4.36 +3.19	+1 ·63 +2 ·29 +3 ·52 +1 ·83	+0.58 +1.25 +2.14 +1.21	-0.03 +1.09 +1.81 +0.71	-1·10 +0·17 +0·70 +0·67	-1·44 -0·39 +0·58 +0·55	-1·76 -0·82 +0·01 -0·34	-1· -2· -0· -1·
Sept.	•••	-2·13 -2·14 -1·99	-3·43 -1·76 -0·81	-0.59	-3·01 -1·74 -0·35	-1·92 -0·39	-2·25 -1·22 -0·76	-2·72 -1·05 -0·54	-2·14 -0·91 -0·59	-1·33 -1·44 -0·49	+0·95 -1·24 -0·04	+2·88 +0·90 +1·11	+5·40 +3·45 +2·65	+7·11 +5·40 +3·64	+7·25 +6·46 +3·87	+5·76 +6·40 +3·40	+4·14 +4·16 +2·55	+1.87 +2.56 +0.81	+1·85 +0·30 +0·35	+0·38 -1·05 +0·12	+0·67 -0·76 -1·04 -0·57 -0·13	-1·44 -2·37 -1·53	-2,69 -3.40 -3.19	-4·86 -3·37 -3·11	-3· -3·
Year	•••	-2.22	-1.92	-2.22	-2 • 22	-2·51	-2-64	-2-59	-2-42	-1.87	-0-63	+1 · 21	+3.50	+5 • 23	+5-82	+5•17	+3-86	+2•41	+1·39	+0-44	-0.05	-0-99	-1-76	-2-44	-2
Winter		-2.71	-1-43	-1.39	-1-48	-1-18	-0-85	-0.28	-0-11	+0 • 20	+0.77	+1.60	+2・86	+3-56	+3-90	+3-47	+2 • 74	+1.63	+1•04	+0 - 25	-0-68	-1-87	-2-99	<u>-3·67</u>	-3
Equino	ж	-2.22	-2.31	-2-54	-2-27	-2 · 38	-2·17	-2•24	-2-18	-2.07	-0.83	+1・32	+3-89	+6 •05	+6-86	+6-09	+4 • 34	+2•55	+1-08	-0.22	-0-54	-1.52	-2-48	-3-21	-2
Summer	•••	-1.74	-2.02	-2.72	-2-90	-3-97	-4-89	<u>-5·25</u>	-4-97	-3-74	-1.83	+0.70	+3•75	+6-09	+6 • 72	+5•96	+4 • 49	+3.06	+2•07	+1.29	+1.07	+0-40	+0 • 19	-0-45	-1
55.	LERWIC	CK CK							VER:	rical	FORCI	E (A)	LL DA	YS)			<u> </u>	<u> </u>						1935	
Feb. Mar. Apr. May	•••	-18·6 -21·1 -14·5 -14·8	-23·8 -23·7 -16·1 -15·4	Y -19·6 -24·5 -19·0 -14·0 -12·0	-19·1 -16·5 -13·9 -8·1	-11·1 -12·5 -6·3	-13.7	Y -5·8 -10·2 -6·9 -4·5 +0·7 +1·5	-5·8 -0·9 0·0	Y -2·4 -3·9 -5·0 +1·5 -1·5 +1·8	Y -1.5 -2.7 -2.3 +2.5 -1.7	-1·0 -2·9 +2·9 -3·0	+1.6 -2.6 +2.5 -4.6	+4·0 0·0 +1·1 -4·8	+7·5 +4·3 +3·5 -2·0	+8·7 +13·6 +8·5 +4·4	+22·5 +15·2	+23·6 +28·1 +16·5 +10·7	+25.6 +27.9 +19.6 +12.7	+29·1 +25·4 +17·7 +14·1	Y +12·4 +25·6 +16·0 +14·6 +12·8 +13·8	+13·8 +8·0 +10·7 +12·1	+5·7 -0·7 -1·9 +7·1	-4·4 -6·5 -12·2 +0·7	-13 -11 -17 -9
July Aug. Sept. Oct.	•••	-11·3 -14·4 -33·8 -16·7 -13·9	-14·1 -12·5 -33·6 -17·2 -11·3	-19·2 -7·5 -8·9 -24·5 -17·9 -9·3 -11·0	-5·5 -4·9 -24·1 -15·9 -7·9		-4·3 -0·8 -17·6 -11·4 -7·7	-3·1 0·0 -9·7 -10·1 -7·9 -7·9	-1·0 +0·4 -3·0 -6·5 -6·1	-2·5 -0·7 +0·9 -3·8 -4·8	-3·7 -3·2 +2·6 -1·1 -2·0 -4·7	-3·8 -5·5 +2·6 +1·1 0·0	-4·5 -7·4 +2·4 +3·9 +1·3	-3·1 -6·6 +4·0 +8·4	+1·3 -1·1 +11·7 +9·1 +3·9	+4·1 +3·9 +20·9 +16·3 +6·3	+10·8 +8·7 +30·7 +27·0 +11·3	+18·3 +12·6 +34·2 +27·7 +17·7	+16·1 +12·6 +32·8 +25·6 +18·1	+13·7 +11·7 +32·0 +21·0 +13·0	+10 · 2 +10 · 5 +29 · 4 +15 · 8 +12 · 4 +15 · 3	+7·4 +7·3 +17·7 +3·6 +8·6	+3·7 +4·5 -2·0 -5·6 +1·2	-4·6 +1·2 -19·0 -18·9 -6·4	-10 -21 -21 -1
Year	•••	-16-9	-17-6	-15-6	-12·5	-10-3	-7.6	-5-3	-3·5	-2·3	-1.4	-1.0	-0.7	+0.5	+3.8	+8-9	+15•4	+19•2	+19.7	+18-9	+15-7	+9•9	+2•0	-6-2	-1
Winter	•••	-13.0	-14.7	-16-1	-12-4	-10-8	-9-4	-7•9	-7.0	-4.7	-2.7	-0-6	+1.5	+3•4	+5 • 2	+7-5	+11-4	+16-0	+16-5	+17-1	+16-4	+11-4	+4-8	-2·3	-
Equino	x	-21.5	<u>-22·7</u>	-18-9	-17-6	-15•8	-11-9	-7:8	-4·1	-1.6	+0-4	+0-9	+1.5	+3-4	+7•1	+14.8	+23-9	+26-6	+26 - 5	+24-0	+18-9	+10-0	-2.5	-14-1	-1
Summer	•••	-16.1	-15-6	-11.9	-7.5	-4.5	-1-4	-0.2	+0.5	-0.7	-1.9	-3·3	-5.3	-5•3	-0-8	+4-5	+11-1	+14-9	+16-1	+15-5	+11-8	+8・4	+4.0	-2-2	
			1											<u> </u>		<u> </u>				<u> </u>					

[†] See page 23.

Departures from the mean of the day adjusted for non-cyclic changet

							,																	
· .	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
MONTH AND SEASON	56.	LERW	ICK					HORI	ZONTA	L FOR	CE (Q	UIET	Days)										19	35
January February March April May June July August September October Hovember	Y -1.0 -0.6 +0.6 +7.5 +5.7 +5.2 +5.7 +6.5 +6.4 -0.7	Y -3.8 +1.6 +1.1 +5.9 +4.2 +4.2 +4.0 +5.1 +3.5 +6.7 -2.1	Y -2.8 -0.1 +1.8 +5.3 +4.5 +4.5 +3.9 +2.0 +6.8 -0.6	7 -1.2 +0.9 +2.4 +5.0 +5.3 +4.2 +3.6 +3.6 +0.1	Y + 1 + 1 + 2 + 5 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2	Y +4.4 +1.7 +6.6 +4.7 -1.5 +2.9 +2.9 +2.9	**************************************	Y +6.6 +5.0 +3.1 -0.5 -11.7 -6.4 -9.2 -4.5 +2.5 +1.9	-12·5 -19·8 -15·6 -14·9	Y +0 +8 +4 + 10 +2 +2 +5 +6 +6 +2 +7 +7 +7 +7 +7 +7 +7 +7 +7 +7 +7 +7 +7	-32·6 -30·1 -24·7 -26·6 -23·8	Y -2.6 -10.1 -17.8 -29.3 -29.9 -24.0 -24.0 -21.4 -5.7	200 -8:1 -13:8 -24:9 -25:6 -16:4 -15:4 -24:2 -5:0	Y -1.0 -5.9 -7.7 -14.9 -15.1 -9.4 -8.5 -8.2 -15.6 -2.7	Y 0.0 -3.3 +2.2 -5.0 -2.9 +5.6 -1.0 -1.1 -4.7 -2.3 -1.8	0.0 +5.6 +1.8 +3.6 +5.1 +11.7 +6.3 +4.4 +0.5 +1.0		+3·3 +10·5 +19·1 +19·4 +13·2 +10·8 +9·5 +8·0	+2.9 +6.8 +13.9 +20.9 +21.4 +14.1 +12.6 +12.1	× 5 3 0 9 6 1 1 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	+14·5 +19·4	Y -2.4 +2.2 +5.2 +11.4 +11.4 +11.8 +	Y -5.0 +2.2 +2.5 +11.1 +9.0 +10.4 +10.4 +1.3	Y -1 ·2 ·3 ·4 ·4 ·4 ·4 ·4 ·4 ·4 ·4 ·4 ·4 ·4 ·4 ·4
Year	+3-7	+2-6	+2•5	+2-9	+3•2	+2-9	+2•0	-1.5	-7-5	-15-2	-20-0	-20-3	-15•3	-8•6	-1-6	+3-4	+6•5	+9-2	+10-6	+11-0	+10-3	+7•8	+6•1	+5•3
Winter	-0-5	-1.6	-0-9	-0-1	+0-9	+2-3	+3•7	+3-3	+0+9	-3-6	-6-3	<u>-7·5</u>	-6.1	-4-1	-1-9	+0-4	+2•3	14:1	+3-5	+3-8	44-3	+1-7	+0-5	+1•1
Equinox	+5•8	+4-3	+4-0	+4-4	+4.7	+5•5	+4-2	+0-1	-7-5	-17•3	-24· 0	-25 -0	-19-6	-11-6	-2-2	+3-1	+5•5	+7-8	+11-0	+11-4	+10-3	+9•0	+8•5	+7•7
Summer	+5+8	+5-1	+4-4	+4-6	+3-9	+0+9	-1.9	-7-8	-15-7	-24.7	<u>-29·7</u>	-28 • 5	-20-4	-10-1	-0-8	+6-7	+11.7	+15-6	+17-3	+17-9	+16-5	+12.7	+9-4	+7-1
					,			D	ECLIN	ATION	(QUI	ET DA	YS)											
57. LERWIC			, , -		,			•				,		,	,	,			,				193	5
January February March April May June July August September October Hovember December Year Winter Equinox	-2.21 -0.73 -0.04 -0.28 -0.37 -0.70 -1.42 -1.50 -0.92 -1.18	-0-82 -0-96 -0-91 -0-46 -0-73 -0-54 -1-49 -0-94 -0-70 -0-90 -0-82 -0-73	+0·18 -1·33 -0·92 -1·54 -1·07 -2·49 -1·34 -1·85 -1·67 -0·71 -0·67 -1·11	+0.14 -0.20 -1.49 -1.37 -2.30 -1.68 -3.49 -2.51 -2.39 -2.06	+0·20 -0·52 -1·45 -1·71 -3·33 -3·27 -4·31 -3·74 -3·06 -1·67 -1·46 -2·13 -0·71	+0·19 -0·78 -1·37 -2·23 -4·96 -5·31 -4·16 -3·05 -1·82 -1·16 -1·39 -2·51 -0·79	-0-90 -2-02 -3-15 -4-15 -5-75 -4-33 -2-19 -1-26 -1-26 -2-79 -0-83	-1·14 -2·84 -4·15 -4·15 -4·15 -4·15 -4·15 -4·15 -2·84 -1·06 -1·11 -3·05 -0·86 -3·17	-1-65 -2-96 -1-32 -1-32 -1-90 -5-57 -5-00 -3:49 -2-42 -0-86 -0-81 -2-90 -0-91	-0·30 -1·17 -1·89 -3·45 -2·53 -3·67 -3·14 -1·55 -1·28 -2·56 -0·27 +0·06 -1·81	-0-18 +0-29 +0-56 -1-45 -0-49 -0-38 -1-04 +0-59 +0-59 -0-21 -0-77 +1-04 +0-01 +0-01	+1-45 +3-50 +1-27 +2-31 +3-50 +2-50 +2-56 +2-96 +1-85 +2-09 +2-29 +1-44 +2-45	+4·03 +2·18 +4·41	**************************************	+2·41 +4·32 +5·00 +5·64 +7·50 +6·14·14 +4·23 +2·30 +1·46 +1·87 +4·42	+1-61 +2-91 +3-85 +3-32 +4-30 +6-96 +3-32 +2-78 +2-54 +1-59 +1-01 +2-88 +1-41 +3-02	+0-92 +1-76 +2-86 +2-60 +2-54 +4-14 +1-12 +1-11 +1-74 +1-74 +1-73	+0-50 +0-57 +1-69 +1-50 +1-52 +1-98 +0-13 +0-13 +0-39 +1-12 +0-86 +1-40 +1-05 +0-91	-0-32 +0-12 +1-18 +1-18 +1-09 +0-71 -0-10 +0-72 +1-11 +0-28 +1-04 +0-64 +0-64	0-00 +0-23 +0-86 +0-93 +0-95 +0-40 +0-92 +0-14 +0-60 +0-43 +0-13 +0-57	-0-50 -0-88 -0-08 +0-67 +0-75 +0-71 +0-11 +0-11 +0-13 +0-10 -0-25 -0-25	-1·22 -0·11 +0·73 +0·42 +0·01 -0·03 -0·41 -0·32 -1·22 -1·25 -0·49	-1·30 -1·61 -0·45 +0·08 +0·13 -0·30 -0·29 -0·61 -1·66 -0·76 -1·63	-1.54 -2.06 -0.71 +0.16 +0.31 -0.63 -0.74 -1.92 -1.20 -0.87 -1.65
58. LERWIC	K							VER	TICAL	FORC	E (QU	IET D	AYS)										193	15
January February March April May June July August September October Hovember December	Y -5-8 -4-0 -3-3 -2-2 +0-2 +1-8 -4-4 -1-6 -6-8 +0-5 -1-3 +1-6	Y -3.7 -2.9 -6.2 -1.7 -3.4 +3.1 -4.2 +0.1 +1.7 +0.2	Y -2-9 -0-9 -5-8 +0-6 -2-4 +2-1 -0-8 -2-3 +1-8 -2-3	Y -0-8 -1.5 -4.4 +1.1 +2.9 -2.5 +3.9 -0.7 +2.6 -2.5	Y -0.5 -1.2 -3.1 +2.6 +4.0 +2.1 +4.9 +4.5 +1.8 -2.2	Y +0.2 -0.4 -1.6 +2.8 +3.5 +2.7 +5.9 +4.6 +3.8 +0.7 -2.3	Y -0-6 -0-9 -0-2 +3-2 +3-0 +2-7 +2-7 -1-5 -2-7	Y -1.9 -1.6 +1.3 +2.9 +1.5 +1.6 +1.4 +2.2 +3.2 +3.0 -1.7 -2.1	Y -2.4 -0.6 +0.7 +2.8 -1.3 -0.3 -1.5 -2.5 +3.0 +4.3 -2.7 -0.6	Y -4.2 0.0 -0.3 +2.5 -1.8 -2.2 -2.1 -3.8 +1.4 +4.2 -2.0 +0.1	Y -4.5 -0.1 -1.8 +0.4 -3.0 -5.5 -6.7 -6.7 -0.7 +3.0 -1.0	Y -4-5 -0-1 -4-9 -2-1 -7-5 -11-4 -9-0 -10-2 -5-1 -0-5 -0-3 +1-5	Y -3-6 -0-8 -4-5 -4-5 -10-3 -7-5 -3-3 +0-1 +1-9	Y -1·4 -0·1 -4·1 -9·0 -9·2 -7·7 -6·2 -5·7 -4·3 0·0 +1·3		+3.7 +2.9 -2.0 -2.1 -1.7 +1.3 +2.0 +1.4 -1.5 +0.6	Y +3.9 +3.4 +7.1 +0.5 +1.5 +2.0 +7.2 +6.0 -0.3 -1.1	+2.6 +7.7 +1.3 +3.7 +4.9 +9.5 +5.8 +6.6 +0.2 -1.3 -2.0	Y +5·7 +3·5 +6·3 +1·3 +4·2 +5·4 +20·0 +5·1 +4·3 -0·5 -1·6 +3·7	Y 16.7 42.6 47.1 41.4 46.0 43.5 47.1 43.0 41.5 -0.6 -0.6 +3.2	> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	+4.2	Y +3.0 -0.5 +0.7 -1.7 +2.8 +2.6 -1.9 -1.9 -1.9 +0.3 +3.5	-3.5 -2.4 +1.8 +2.0 -2.2 -3.6 -1.9 -0.3 +3.2
=		-1.7	-0-9	+0.5	+1.4	+2.0	+1.3	+0+8	-0.1	-0.7	-2-2	-4.5												
Winter Equinox •	<u>-2-4</u> -2-9	-2.9	-2-0	-0-5	+0.9	+1.9	+2.3	-1·8 +2·6	-1·6 +2·7	+1.9	+0-2	-0.9	l	-0.1			+3-1	-	+2.9	+2.3			+1.6	-0·4 -2·6
Summer	-1.0	-0-9	+0.3		+3-9			+1.7			-5.5	-9-5		-8-0		ŀ	+4-2		+6-2	+4-9	+3-3	+2.5	+0-8	-0-1
				_ ~ ~		_ _																		

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

											_										,			
	Hour 0-1	G.M.T	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
MONTH AND	50	TED	WICK			<u> </u>	L	но	RTZON	TAL F	ORCE	(DIST	URBED	DAYS)								19	35
SEASON	59•	JEAN	HIOK		1	T		T	1,200			\			,	·	· ·	•	v	Y	Υ	*	Y	Υ
January	-29-5		-31.0	-7-8	+2.5	+6-6	+6.0	+6·2 +7·6		+7.2	+1.5	-3·6 -6·2	-1.2			+18-3						-5·3 -13·3		-19·
February March	-29.6				-5·9 -19·9	-2·9 -6·8	+13.7			-27-0	-17-2	-24-5	-9-8	+21-0	+46 - 7	+35.9	+50-7	+35-9	+14.5	+3-9	+3-8	+2.4	+1-1	-1.
April	-15-1				-0·6 -3·4	-6·7 +3·9	-4·5 -10·6		-24·7 -19·2	-30·3 -18·9	-42·8 -19·0	-30·2 -16·5				+42.0					+24 • 4	-15·7 +18·7		
May June	-43-4 -33-8		-54-6		-1.2	-3.5	-2.5			-34-5	-27-9	-30-6	-0-2	+6-5	+56 • 6	+90-6	+107-6	+89-1	+83-1	+39-0	+29 • 5	-61-5		-59•
July August	+0+9	1		+11.0	-7·9 +2·7	-16·6 +1·2	-7·5 -1·9	-33-0	-44·9 -26·4	-36·2 -29·5		-33·0 -26·2	-13·5 -19·5		+10.9		+27·4 +16·2				+32-5	+25·3 +15·1		
September	-74-0	-61.0	-38-5	-44-2	-23-8	-5-2	+4-5	-11-2	-27-2	-30-4	-21.7	-10-8	+3-4	+30-4	+32.7	+59・4	+70-6		+64-1	+35-0	+27-6	+8 • 8 -43 • 8	-22·3 -18·6	
October November	-14-4			-10.0	-4·2 -2·5	-0·8 +6·9	-3·3 +5·5		-20·1 -0·6	-21.4		-11·5 -13·4	-14.2		+6.5		+21.7	+7-9	+5-9	+5-1	+0+8	-1.8	+7.2	-2•
December	-14-2		-12-9		-8-2					+5•1	-8•4	-13-3	+0-2	+3•0	+4-2	+13-9	+3•5	+11-9	+21.0	+10-4	+5•4	+8•6	-2.7	-13-
Year	-23-7	-24-7	-19-5	-11-5	-6-0	-1.8	-0-9	-9-5	-16-1	-18-4	-20-2	-18•3	-5•8	+8•0	+24.7	+34-1	+36 - 5	+37-4	+35•3	+25-2	+14•4	-5•2	-15-4	-18•
Winter	-21-6	-19-7	-16-3	-7•3	-3-5	+3-2	+5•7	+4-1	+2.9	+1.9	-5•9	-9-1	-5•4	+3•0	+10•7	+16-8	+14.7	+14-8	<u>+19·5</u>	+16-1	+3•9	-2-9	-10-2	-15-
Equinox	-28 - 3	-35-2	-27-2	-20-2	-12-	-4-9	-2.7	-11-9	-21.7	-27.3	-27-1	-19-3	-3•4	+19-1	+41-8	+50-4	+48-4	+51.7	+41-9	+27-9	+10-2	-12-1	-18-4	-19-1
Summer	97.7	10.9	-15-1	-6-9	-2,5	-3.7	_5•6	-20-6	-29-5	-29-8	-27-7	-26 • 6	-8•7	+1.9	+21.6	+35-1	+46 • 3	+45•7	+44.5	+31.7	+28-9	-0-6	-17-7	-20-1
	1	-10.2	-10-1	1 -0.0	1 -2.0			1	1			L.T.		l	L	J								
									DECLI	NATIO	N (DI	s turb	ED DA	YS)									10	
60. LERWI	CK								,	· •						1							19	
Tonue wir	-6-23	-3-00	-5-90	-4-00	-4-55	-0.34	+0+01	+1.70	+3-54	+4-48	+4.43	+4.74	+5+06	+7-29	+4-77	+6.13	+2.72	, +3·73	+2·16	-1·79	-3.77	-5-69	-10·64	-4-8
January February	-8.75				-1-83	-0-26	+0-77	+0.61	+2.82	+2.95	+3.75	+5-78	+7.13	+6-97	1+8-48	1+6-99	+4-23	+4-20	+3-13	-1-45	-4.08	-7-97	-7.31	-8-20
March April	-1·29 -3·84	-1.72	-3·85 -0·94			-2·96 -2·51	-0-90	-2.59	-2.06	+1.81	+1.37	+4.20	+7.69	+8-24	+9-58	1+5-93	+3-19	+2.55	-0•36	-2-34	-3-92	-2.27	-4·62 -3·30	
May	-5-99	-7-19	-8-33	-1.05	-2.97	-3-84	-3-62	-2.00	-1-12	-1.52	+1.20	+4 - 26	+6 - 88	+8-20	+7-22	+5-74	+5-76	+4.94	+2-72	+2.71	+0-43	-1.33	-1·87	
June July	-9·85 -3·88		-9·58 -5·27	-6 · 28 -4 · 56	-7·83	-6·37	-4-42	-4 - 26	-0.75	-2·16 -0·14	+0.12	+2-93	+8 - 21	+7.27	+6-17	+5.43	+4-22	+3-41	+2.03	+0-51	+0+88	+1.28	-1.45	
August	-3-63	-4-44	-3-46	-2.77	-4-30	-4.88	-4.06	-3.72	-1-51	+0.38 +2.65	+2.67	+5.24	+7.04	+6.91	+5-30	+3-35	+2-24	+1.63	+1.75	+0.84	+0-15	-0•36		
September October	-3·61 -2·96	-2.75	-12·64 -3·61	-2-95	-1·28 -3·27	-3-16	-2.05	+0.66	-0-85	-0-77	+0.76	+3-45	+6-97	+10.02	+11-72	+10.02	+6 - 46	-1.79	-2.96	+0-69	-5•06	<u>-7·56</u>	-6・31	-4-7
November December	-6-27	-1-17	+0.40	-0-24	+1-44	+1-69	+1.05	+1.69	+1.00	+0.66 +1.99	+1.18	+3.21	+4-43	+4.86	+4.84	+3.96	-0·35	-0·11 +4·79	-0.57 +3.30	+2.94	-2·46 -1·17	-4·16	-4·65 -7·61	
ресешвег	-5-65	-5. 52	-1-25	-0.0%	-4-10	-2-01	11-00	11-02	11.20	11.00	13:00		12 02	10.00		.0 02		, ,						
Year	-5-17	-4-60	<u>-5·56</u>	-4-23	-3-48	-2-47	-2-14	-1-06	-0•06	+0•83	+2•02	+4.50	+6•67	+7-93	+7-10	+6-21	+4•16	+2•83	+1-21	+0-10	-1•92	-3-06	-4-83	-5-00
Winter	-6.73	-3-81	-4•75	-4-32	-2·26	-0-37	+0-73	+1•33	+2•15	+2•52	+3-11	+4•75	+5•39	+6-20	+5-76	+5•60	+2•93	+3•15	+2•01	-1-02	-2-87	-5-59	<u>-7·55</u>	-6-3
Equinox	-2.93	-4-20	-5-26	-4-71	-3-31	-2•33	-2-14	-0-32	-0-49	+0-83	+2•21	+4-87	+7•89	+9-85	+8•59	+7-03	+3-99	+0-21	-1-93	-1-17	-3-49	-3•79	<u>-5·30</u>	-4-09
Summer	-5-84	-5.79	-6•66	-3-67	-4-88	-4-70	-5-03	-4-19	-1.84	-0-86	+0•75	+3-87	+6•75	+7.73	+6-97	+6-00	+5•57	+5•14	+3•56	+2•48	+∪-61	+0-20	-1-64	-4-58
	J	J		l	l	:	L	L	l	L	L	<u> </u>	-											
61. LERWI	CV								VERTI	CAL F	ORCE	(DIST	URBED	DAYS)								19	35
OI. DERWI	- CK	T	1	1	T			·	Γ		T			100		T ,	· ·	· ·	~	~	v	~	•	· ·
January	-12·9		-66·9	-29·0	-24·6	-28·4			-6∙5	γ +0•1	+5∙6	+11-6	+19·4	+21-2	+21.7	+23-9	+29 - 5	+24-4	+25-8	+39-0	+29-8			
February	-58-1	-59-2	-80·1 -44·3	-69-9	-70-3					-5·2 -2·0	+2.7	+12.4	+19.3	+32 • 4	+31.7	+47·7 +65·7	+68-1	+79.6	+95-3	+90-3	+39-6		-21·5 -19·8	
March April		-64-1	-65-0	-67-3	-57-4	-45-0	-28-6	-6-0	+6.7	+10-1	+21.5	+31・4	+30-2	+36 • 4	+50-8	+72.5	+62-0	+64-1	+56 • 9	+45-4	+31-9	-24-1	-58-6	-62•
May June	-57·2 -82·9		-45·8 -70·4			-11·7 -8·3				+5·6 +6·2	+7·1 +8·5	+6·4 +7·0				+36 · 2 +83 · 0			+41·8 +61·2		+33·0 +1·5		-7·0 -44·8	
July	-29.7	-62-0	-30.7	-25-2	-33-2	-35-2	-24-2	-11-1	-14-4	-13-9	-2.0	+7-9	+16-9	+31-4	+30-9	+36 - 6	+43-3	+39.5	+43.5	+38 • 6	+27.2	+18-7	-17-0	-35•
August September	-35·3 -76·6		-19·2 -68·6			-3·8 -63·7				-3·1 +14·2	-3·9 +15·2	-3·8 +19·6	+26 - 4	+43.2	+66 • 4	+12-9	+74.1	+83-7	+90.1	+68.7	+16-9 +38-7	-11-4	+1·4 -47·6	-58•
October	-44-3	-38-9	-33-0	-30-8	-28-9	-27-7	-28-7	-25-0	-25-0	-22.7	-15-7	0-0	+27-2	+28+9	+50-5	+82.2	+88 • 0	+74-9	+56-9	+48·1 +35·4	-2-0	-27.6	-53·1 -23·2	<u>-53·</u>
November December	-43·3 -4·9		-29·9 -17·6				-17·7 -23·4			-8·3 -24·0			+3·3 -8·0	-2.3	+7.7	+35.5	+31.1	+33.5	+57.1	+51.8	+42-2	+31-9	+11.4	-11.
						ACC III														+43-9			-24·2	
Year			-47・6							-														
Winter	-29-8	-33-0	<u>-48·6</u>	-36-7	-36•0	-32-1	-22-9	-20-6	-15-5	-9•3					ĺ					+54-1				
Equinox	-51•3	<u>-61·0</u>	-52.7	-53-8	-50-9	-42-1	-28•7	-15-6	-8•0	-0-1	+5•0	+14-0	+24 • 5	+33•6	+55•7	+72.8	+74-3	+72•7	+66-2	+46•0	+15-7	-23-5	-44-8	-48•
Summer	-51.3	<u>-52·1</u>	-41.5	-35-0	-28-4	-14-7	-7•7	-1-1	-2•7	-1.3	+2-4	+4-4	+6•3	+17-6	+27-5	+42-2	+44-9	<u>+45·1</u>	+43+3	+31•7	+19•7	+7•1	-16-9	-39-4
	L	L	<u> </u>	L																				

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

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

AVERAGE DEPARTURE

62. LERWICK

64. LERWICK

1935

63. LERWICK

1935

	A	ll Day	8	Qui	et Day	8	Dist	ırbed I	ays	A	ll Day	78	Qui	et Day	78	Dist	ırbed I	Days
	н.	D.	٧.	н.	D.	٧.	н.	D.	v.	н.	D.	٧.	н.	D.	٧.	н.	D.	٧.
	Υ	,	γ	Y	,	γ	Y	,	γ	Υ	,	Υ	γ	,	Y	Y	,	γ
January	16-1	6.98	32.0	11.6	4.02	12.5	54.8	17-93	105-9	3-9	1.78	7-4	2.1	0.73	3.2	11.3	4.23	21.2
February	21-3	8-87	53-6	15.1	4.52	7-7	79-2	17-23	175-5	5.5	2.28	13-4	3.4	1.06	1.6	16.1	4-82	44-2
March	32-8	10-16	51-8	24.6	8-27	14-4	77.7	16.54	124-3	7-2	2.70	12.1	5.7	2.02	3-8	18-0	3-78	32.5
April	55-3	10-44	37-2	43-3	10.02	7.8		15-68		11-6	2.58	9.7	11.2	2.15	2.1	26-8	3 • 56	43-3
May	49-9	10-11	29.5	52.3	9.61	16.3		17.43	99-4	11.3	2.76	7-1	12.4	2.29	3.7	20-2	4-17	25 - 2
June	69-8	13.81	46.8		12.45			20-43		16.2	3.55	9-5	13.1	2.80	4.0	41-8	6.13	37-1
July	50-4	12-39	30-4		13.06	19-0		12.54		13.1	3.01	7.0	11.6	3.09	4-6	20.9	3.37	27.9
August	49-2	11.78	27-0	40-1	11.23	16-2		11-92	62-1	11.6	2.64	6.1	10.2	2.32	3.7	13-8	3.13	12.2
September	51-6	12 ·1 1	68-0	40-5	7-97		154-0		180-1	13.3	3.13	18.5	9.5	1.92	3-2	34.7	4-85	51.3
October	36-3	9-86	50-2	41.4	7-79			19-28		8-3	2.55	13-3	9-8	1.87	1.9	20-8	4-23	38-3
November	19-6	7.42	32.0	18.8	4.73	5-3		12.25		4.7	1.54	8.1	4.1	1.21	1.0	7-1	2.52	24-6
December	15-8	7.82	28-7	12-1	3-85	6.9		13-30	96-6	3.9	1.88	8-4	2.5	1.19	1.7	7-8	4.20	23-3
Year	37-1	8•46	37-3	31-3	7-63	8-8	62-1	13-49	105-3	8-3	2-42	9•5	7•5	1.82	2.1	18-0	3.63	30-0
Winter	16.2	7-57	33-2	11-3	3-86	4-7	41-1	13.75	104.3	4-2	1.84	9•3	2.7	1.01	1.3	9.7	3-80	27-4
Equinox	42-4	10-07	49-3	36 • 4	8-35	8-8	86 • 9	15•15	135-3	9•5	2-68	13-2	8-9	1.95	2.3	24-3	3-79	40•]
Summer	54-4	11•97	32-2	47-6	11-54	16 • 1	76 - 1	14•39	97-2	12-2	2.98	7-2	11.6	2.59	3-6	21.3	4-14	24 • 3

NON-CYCLIC CHANGE †

1935

MEAN VALUES OF HR_{H.} + VR_v * (Unit 10,000_Y²)
65. LERWICK 19³

1935

	Al	l Days		Qu	uiet Da	ys	Dis	turbed	Days
	н.	D.	٧.	н.	D.	٧.	н.	D.	٧.
	Υ	,	γ	Υ	,	γ	Υ	,	Υ
January	+0-1	-0-01	-0•5	0.0	-0-48	+1.3	-1.0	+2•14	-8-9
February	0.0	-0-08	0.0	+4.1	-0-03	+4-4	-8.6	+0-16	-4-4
March	+0-1	0-00	+0-3	+3-2	+1.53	+6.1	-7-7	+2.51	-5-6
April	+0•7	-0-03	-0-1	+2-1	+0-48	+2.5	-6-1	+0-06	-2-9
May	-0-4	-0-02	+0•5	+5-9	+0.21	-1.1	-7-2	-1-90	+0.2
June	0.0	-0-03	-0-1	+2.7	+0-11	-3-9	-18.0	-1-31	-17-7
July	-0-1	-0-02	-0.7	+3-8	+0.02	-3.9	-18 -3	-1.58	-30-9
August	-0-6	+0.15	-0-9	+2-6	+0-13	+1.2	-5.5	-0.77	-11.5
September	-1.7	-0-30	-1.5	-0-3	-0-05	+5.5	-42-0	-6 - 30	-18-8
October	+1-4	-0-10	+2.9	+4-3	+0-48	+8+0	-32.8	-3-66	-20-3
November	-0-1	+0+05	+0.7	+3-4	+1-47	+0-9	-9.2	-0-40	-12.7
December	+0•1	-0-03	0-0	+0-3	+0-37		-0.9		-14-2
Year 1935		-					••		

нк	vr _v	Sum	Mean Character Figure
,			
106	348	454	0-71
124	504	628	0-86
118	48 0	598	0-84
147	386	533	0-80
141	35 0	491	0-77
226	51 0	736	0-83
136	347	483	0.65
101	246	347	0-65
220	680	901	0-97
171	571	742	0-97
83	343	427	0.53
89	344	433	0.81
139	426	564	0•78

*See page 40

†See page 23

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

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

1935

		rizon Force			linati West)		7	/ertic Force		North Component	West Component		ination orth)	Total Force
	a 1	q 4,000	d γ+	a	q 13° +	d 	a 4	q 16,000	d γ+	All days	All days	•	days	All days
	Y	γ	Y	,	,	,	Y	γ	Y	Υ	Υ	0	,	Y
January	448	456	440	14.5	15-4	12-7	748	746	741	14064	3309	72	49•5	48930
February	445	447	435	13.7	13-9	13.2	746	747	742	14061	3305	72	49•7	48927
March	449	451	447	13-1	13.1	13-3	748	749	747	14066	3304	72	49.5	48930
April	449	453	436	12.3	12.2	13-2	747	748	733	14067	3301	72	49•4	48929
May	456	458	451	11.0	11.4	10-9	755	759	742	14075	3297	72	49.1	48939
June	456	458	449	10.3	10-2	10.2	759	762	751	14076	3294	72	49-2	48943
July	453	455	448	9-4	9.1	10-2	753	755	748	14074	329 0	72	49-3	48936
August	452	452	454	8-2	8-4	8-1	759	758	763	14074	3285	72	49-5	48942
September	437	443	426	7-3	7-3	6-8	759	764	749	14060	3278	72	50.5	48937
October	435	441	435	5.9	6.1	5.8	770	765	784	14059	3271	72	50-9	48947
November	438	441	434	4.5	4.4	3.8	775	774	780	14063	3266	72	50-8	48952
December	435	440	432	3.8	4.2	3-3	778	774	788	14062	3263	72	51.0	48955
Year	446	45 0	441	9-5	9.6	9-3	758	758	756	14067	3289	72	49-9	48939

C C C C C C C C C C C C C C C C C C C	₩. ::	JANUARY Cloudy.									1			1
2	••	Cloudy.				MARCH				SEPTEMBER (Contd.)				HOVEMBER (Contd.)
3 c 7 c 3 ca 2 b 3 c 1 c 5 c			4	a-c	::.	Variable cloud, increasing.	23		M	Aurora present all evening,	23	ĊB.	••	Cloudy at first, becoming overcast after 20h.
5 c 7 c 8 ca 2 b 8 c 1 c 5 c	Ŗ		5		Ħ.	Faint glow. Moderate cloud	4			but type could not be seen owing to cloud.	24	cb	••	Very cloudy or overcast.
5 c 7 c 3 ca 2 b 3 c 4 c 5 c	_	Very cloudy.	١.,			all evening.	24		H	Glow, dusk onward, with	26	Ca		Very cloudy, but clear in
7 c 3 ca 2 b 3 c 4 c 5 c 3 a-cb		Faint glow 19h, faint rays	8	8-0	•,•	Fine at first, cloud in-	24		. =	tendency to form weak arc.			•••	vals 21-22h.
ca b c c c		22h 50m. Cloudy. Some cloud.	7			creasing.	1.0			Fine.	27		A	Glow after dusk; few rays
ca b c c c	••	Very cloudy.	8	c	•	Very cloudy.	25		Ħ	Glow 20h 45m, becoming narrow	4			MME after 18h 15m; very
c c c a-cb	• • • • • • • • • • • • • • • • • • • •	Variable cloud.	9	ā.	••	Fine most of evening.			7.	are 20h 50m, gone by 21h,	1			cloudy after 18h 40m, or
c c a-cb		Variable cloud, moonlight.	10	ъ	•••	Fine, moonlight.	l			then glow. Faint rays and	l			cast after 21h.
c a-cb	••	Very cloudy, moonlight.	īi	c-b	••	Cloudy at first, clearing				glow. Faint rays and glow	28	CA	W.	Cloudy till 19h, then ov
a-cb	٠.,	и и и				after 20h; moonlight.				21-22h. Fine.	29		#	Glow 18h 30m onward seen
	••		12	ъ	• •	Fine, moonlight.	27	5	R	Glow. Very cloudy.		4	M	through clouds.
	••	Cloud increasing, moonlight.	13	C.	• •	Very cloudy, moonlight.	29	68	• •	Cloudy till 20h, then very	30		-	Glow all evening. Rays a 21h 20m. Very cloudy.
c	••	Very cloudy, moonlight.	14	Ъ	Ħ	Few rays 19h 50m. Fine moon-				cloudy.	1			EIR ZUM. Very Gloud.
C	••	Very cloudy.	l			light.				OGBODED.	1			
c	••		16	Ъ	• •	Fine, hasy.				OCTOBER	1			DECEMBER
c	***	7 7 20 00 - 1 22	17	. С	• •	Very cloudy.	١.	-1	1. 5	Very cloudy till 19h, then	1			
٠,	Ħ.	Faint glow 19h.30m. gradually		C	• •		ľ	CÞ	••	overcast.	2	ъ	••	Mainly fine; cloudy after
c		disappearing.	21	C	•••		-4	0		Variable cloud.	-			21h. Moonlight.
C	<u>ж</u>	Variable cloud. Moderate glow to about 45°	23	a. C	••	Some cloud.	7	сb		Cloudy till 19h, then over-	⋅ 3	cb		Cloudy, moonlight.
	-	altitude through breaks in	25	C	••	Very cloudy.	l '			gast.	4	ъ		Fine, moonlight.
		cloud 18h onward. No acti-	28	c	• • •	very croudy.	8	cb	٠	Some cloud, moonlight.	5	ь	•.•.	Mainly fine, moonlight.
		vity visible.	27	· č	••		ě	cb		Variable cloud, moonlight.	- 6	ъ		Fine, moonlight.
C-&		Overcast at first, clearing	29	c-a	•••	Cloudy at first, clearing	10	cb	•		7	ъ	٠, ••	Cloudy, mounlight.
	•••	after 20h.	۳۳	00		after 2lh.	ii.	cb		• • • • • • • • • • • • • • • • • • • •	- 8	Cp:		
C		Cloud variable, overcast at	31			Variable cloud with fine	12	cb		Very cloudy after 19h.	9	Сþ	••	
		times, fine periods.		_		periods till 21h, then over-	14.	cb		Mainly overcast.	10	b ·		Very fine, moonlight.
	••	Fine.	1			cast.	16	CA	• •	Variable cloud, overcast at	11	C	Ä	Very cloudy.
		FEBRUARY	Ī			APRIL			4	times.	13		쁘	Glow in N 18-20h, not vi
			l				17	CB.		Variable cloud, overcast at			11.0	ble after moonrise. Fin
	R	Moderate glow to 60° altitude	1	Ca	••	Variable cloud all evening,				times.	16	a-ca	••	Fine till 19h, then var
		all evening; few rays	l			fine at times.	18	CO.	••	Overcast till 20k, then very	1			cloud.
		through breaks in cloud 18h.	2		••	Fine till 21h, then cloudy.			417	cloudy.	17			Cloudy.
		Cloudy.	3	CR	• •	Variable cloud all evening,	20	100	邢	Glow 18h till 19h 30m. Arc	18			
	Ħ	Moderate glow with occasional	l			fine at times.				19h 30m. till 19h 40m. Rays	19		凩	Glow through breaks in o
		rays, 18h onward. Cloudy.	- 4	Ca	••	Cloudy, overcast at times.				at times 19h 30m till 20h 30m				Cloudy.
	幫	Moderate glow 20h 15m onward.	5		••	Fine (daylight till 20h.)				Variable cloud, clear inter-	20	CA		Moderate cloud till 19h
		Cloudy till 21h 45m, then	6	8.	• •		۱		M	vals.		Cal	••	becoming overcast.
_		clearing.	7		••	Some cloud, moonlight.	21		=	Glow 19h to 22h. Rays 20-21h.	22			Fine.
C	ж. ::	Very cloudy.	8		••	Fine, moonlight.	22	c		Very cloudy.	23		Ħ.	Faint luminosity in M 2:
	-	Faint glow through breaks in cloud, 21h 15m onward,	10	c	••	Very cloudy, mainly overcast.	23	c	••	Very cloudy till 20h, then		_	_	ward. Variable cloud f
		cloudy all evening.	12	a.	• •	Some cloud, moonlight.	~		, •••	overcast.	1		1.5	periods.
Ca		Moderate cloud.	13	Ca.	••	a a acourtier.	25		M.	Glow 21-22h. Rays 22h 30m.	24			Some cloud.
c		Cloudy.	14	b-a	••		l ~~			Overcast till 2lh, then	29	Ca	• •	Cloudy.
c	• •	Overcast after 19h.	17	c		Very cloudy.				cloudy.				
b-c	••	Cloudy.	24	Cb	••	Daylight till 21h.	26	CR	••	Cloudy.				
cb	••	Overcast after 20h.	28	c	•••	Very cloudy.	27		Ä	Glow from 19h. Bright and	1			ľ
cb	••	Very cloudy.	29	c				1.50		active aurora from 21h 45m,				the second second
b-cb	• •	Cloud increasing; overcast	t i							diminishing in intensity till	4			i .
		after 21h.	ı			SEPTEMBER				23h, then glow. Variable	1			
c	••	Overcast after 20h.	1				1			cloud, overcast at times	1			14.
cb	• •	Variable cloud, moonlight.	1	cb	••	Overcast till 21h, then				after 22h.	Į.			
a-b-c	••	Clear at first, becoming	١.			moderate cloud.	28	C	••	Cloudy, becoming overcast	ŀ			
		cloudy with moonlight; very	2	Ъ	••	Overcast till 21h, then	۱			after 20h.	•			
_		cloudy after 21h.	١.			moderate cloud.	29	c	••	Cloud variable, fine periods.				1
a	••	Clear at first, cloudy after	3	СÞ	***	Cloudy.	30	0		Overcast after 19h.	1			
		21h.	4		M	Very cloudy. Glow low in N,	31	OR	• •	Cloudy.	1			
٠	••	Overcast till 21h, then very cloudy.	5			21h 30m onward.				NOVEMBER	ł			
	Ħ	Moderate glow in fair inter-	Ьĕ	Ca	w	Very cloudy. Feeble glow low in N, 21h 15m					1			
	_	vals most of evening; vari-	ľ			onward. Fine at first, cloud	. 7.	Сþ		Cloudy till 19h, then very	1			
		able cloud.				after 21h.			-•	cloudy or overcast.	l			
	Ħ	Moderate glow 19h 20m onward;	7	c	Ħ	Feeble glow through breaks in	9	cb		Mainly overcast, moonlight.	1			1
	_	faint arc above glow at 20h	l .	•	_	cloud about 22h, very cloudy		сb	•••	N N	l			↓
		35m faded 21h 15m. Cloud	8	С		Very cloudy.	ii	cb	•••		ı			
		moderate.	14	c	••	H H	12	c-b	•••	Very cloudy till 20h, then	1			
	Ħ	Faint glow through breaks in	16	ā		Fine to cloudy.	1			clearing, Moonlight.	1			L .
		cloud 21h 45m onward.	18		Ħ	Glow through breaks in cloud	13	C	•	Cloudy.	I.			1
		Cloud moderate.	ŀ			21h 30m.	14	b	Ä	Bright rays 18-19h. Fine,	1			
	Ħ	Faint glow through breaks in	19		Ж	Glow through breaks in cloud				moonlight after 19h.				1
		cloud 21h 45m onward. Cloud	· ·			21h 30m.	16	CB.	• •	Fine.	ŀ			1
		moderate, increasing after	20	CR	••	Cloudy.	21	C	••	Very cloudy, overcast after	1			
		21h.	21	a-c	••	Variable cloud, fine periods.	١.			20h.	1			
c		Very cloudy.					22	C	• •	Very cloudy, overcast after 20h.	1			1

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 M. 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 surora may be taken as indicating that there was not actual aurora. The letters a, b, c, have the following significance.

ing significance.

a = Conditions favourable for seeing aurora.

b = Unfavourable for faint aurora (monlight, mist, cist, etc.)

but not such as to mask bright aurora.

c = Cloudy, but aurora not seen in clear intervals.

ca,cb= have been used for "cloudy, with conditions a or b

in the intervals."

Changing conditions have been indicated by a hyphen,

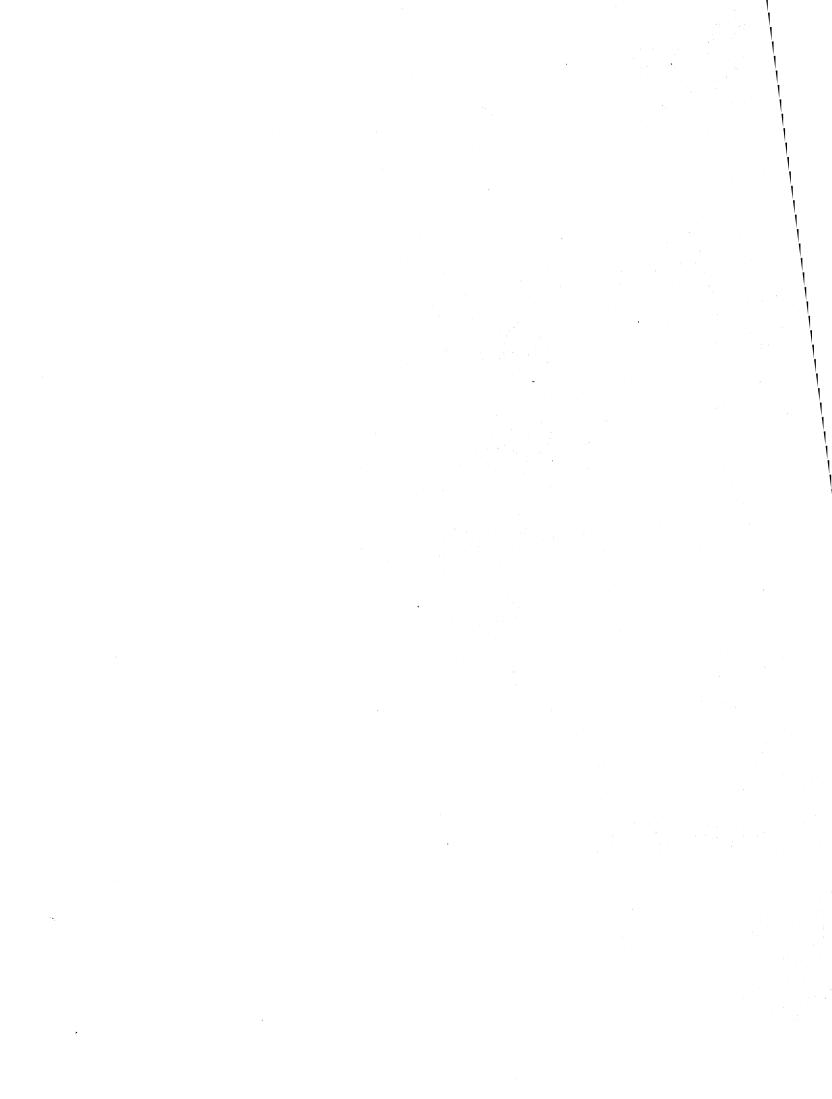
e.g., a-c.

A full description is available of the auroral phenomena observed.

68. OTHER SCOTTISH STATIONS

Date	Month	Date	Month	Date	Month	Date	Month
	. JANUARY		AUGUST		OCTOBER (Contd.)		DECEMBER (Contd.)
1	A., faint 18-00-19-00.	12	B., 22.00.	4	p.	5	G.C.
ยั	G.Ć.	20	Pentland Skerries, 23-30.	10	G.C.	9	В.
23	G.C.	27	Ailsa Craig, 22.30 - 23.00.	20	Kirkwall, 20.00; Duntuilm;	14	Duntuilm; G.C.
27	Kettins: Carnoustie, 20-00;	1	,		A.; Arbroath, 21-00; G.C.;	16	D, 21.00.
	Eskdalemuir.	1			Montrose; Paisley, 21.30;	28	Duntuilm.
28	В.	ł			Edinburgh, 19.00 - 23.00;		
		ł	SEPTEMBER		Eskdalemuir, glow.		
		1		21	B.; D.; Kirkwall, 20.00;		,
	FEBRUARY	2	D., 21.00.		Wick, N at 20-10; G.C.; A.;		
1	Kirkwall, dim, 20-00;	1 4	Eskdalemuir, glow and streamers.		Edinburgh, 23.00; Dungavel;	l	
_	Duntuilm: Tiree.	6	G.C.		Eskdalemuir, glow, arc,		
2	Kirkwall, A., Edinburgh	15	Kirkwall, 22.00.		streamers: Pentland Skerries.	ł	
	18.00-20-00, bright arch.	16	Cape Wrath, NW, 21.30.	22	Kirkwall, 20.00.	į.	•
23	Duntuils.	19	G.C.	24	D.]	
24	G.C.	23	Kirkwall after 20.00; A.,	25	B.; Kirkwall, 21-00; Wick, N,		
25	Duntuilm.	1	Edinburgh 21.00, bright arch		22-15; G.C.; A.; Arbroath,	l	
	·	1	with streamers; Eskdalemuir;	i i	NNW, 21-00; Edinburgh, 22-00.		
		1	Tiumpanhead, 21.30 - 04.30 of	26	Pentland Skerries, 22.00; D.	1	
	MARCH	1	24th; Sule skerry, 24-00,	27	B.; D.; Kirkwall, 21.00;		
3	Duntuilm.	1	Montroseness, 24.00 to 02.00		Crieff.	1	
7	B. Duntuilm.	ı	of 24th, bright display.	30	Duntuilm.	1	
12	Cape Wrath, 22-30-23-45;	24	Kirkwall, after 20.00; Stornoway,	31	Kirkwall, 22.00.		
	Inverness, 22-00.	1	first observed Ol.OO, most		•		,
14	B. : Kirkwall, 20.00; D, 21.00	l	intense 02-10, when arches			i	
24	Wick.	i	resembled a swaying streak of				
		1	light, NNW, height 45°, most				
		1	prominent streamers NW to NNW,			ĺ	
	APRIL	1	height approximately 80°;			Į.	
2	G.C.	ľ	Wick, 21-00; G.C.; A.;			1	
5	G.C.	ł	Eskdalemuir, streamers; Sule			j	
8	G.C.	1	Skerry, 21.00 - 24.00; Cape			1	
9	Wick, 02-30.		Wrath, N, 20.00 - 21.00;				
10	G.C.	l	Duncansby Head, 00.00 - 04.00;			i	
12	G.C.; Duntuilm		Dunnet Head, 24.00, exception-				
23	G.C.		ally bright in N; Ardnamurchan,				
		l	20.00 to 04.00 of 25th; Lismore				
		25	Duncansby Head, 00.00 to 03.00;			1	
	MAY	1 2	Lismore.		NOVEMBER		
		26	Duncansby Head, 01.00 - 04.00.	2	Wick, 01.00; Duntuilm; Cape	ł	
31	Eskdelemuir.	30	D.; Kirkwall, 20.00; G.C.,	_	Wrath, NW, 21-00.	ŀ	
		1	very bright; A.; Duntuilm,	6	G.C.	1	
		1	fine display about 21.00;	12	B.;	1	
		1	Eakdalemuir; Cape Wrath, NE,	14	B.; D.; Kirkwall, 18-30; Cape		
		1	21-00; Hoy Low, wivid display,	۱	Wrath, N, 20-00-21-00	1	
	<u></u>		21-00; Montroseness, 20-30 -	16	Duntuilm.	I	
	JUNE		21.30.	18	Duntuilm.	1	
	Mil.	1		29	A., faint after 18.00		
		1		30	Duntuilm; G.C.	l	
		1				İ	1
		1			1	1	
		•			I		1
		I	,		1	1	·
			OGROPER		Nevirance D	1	
	JULY Nil.	1	OCTOBER	4	DECEMBER G.C.		

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



Air Ministry METEOROLOGICAL OFFICE

OBSERVATORIES' YEAR BOOK

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

ABERDEEN

Published by the authority of the METEOROLOGICAL COMMITTEE



LONDON HIS MAJESTY'S STATIONERY OFFICE 1937

Latitude	• •	• •	• • •	• •	• •	570	10'	N.
Longitude	• •	• •	• •	• •	• •	20	6'	W.
G.M.T. of	Local	Mean	Noon			12h.	8m.	_

Heights in metres above Sea-Level.

Barometer	• •	• •	• •	• •	• •	26.0
Rain-gauge	• •	• •	• •	• •	• • •	24.1
Robinson Cup		ograph		• •	• •	36
Dines Pressu	_			er		37

Heights in metres above ground.

Thermometer Bulbs, North Wall Screen	12.5
Sunshine Recorder	. 20.7
Robinson Cup Anemograph	. 23
Dines Pressure Tube Anemometer .	. 13
Beckley Rain-gauge Rim	. 0.6

INTRODUCTION

SITE

The Observatory, which was established in 1868 is housed in the top floor of the Cromwell Tower of King's College in Old Aberdeen. The College lies on a plain gradually rising from the sea from which it is distant 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; flows into the sea at a distance of about 3 km. to the south-east of the Col-Between the College and the sea is a golf course covered for the most part with grass, but during the last four years the town has been gradually expanding to the north-eastward of the Observatory; this growth was very rapid during 1933 and 1934 with the result that there now exists an inhabited area stretching almost half a mile (1km.) between the Observatory and the sea in the north-east quadrant. Westwards is the High Street of the Old Town and beyond this is another street. Further west grass pasture extends for about 1 km. To the southward and south-westward lies the main area of the City of Aberdeen.

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

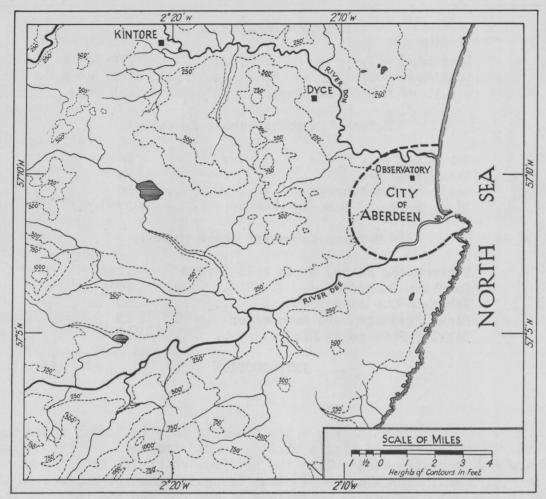


Fig. 5.—Contoured map of surroundings of aberdeen observatory.



Fig. 6.—Aerial photograph from W.S.W., 800 feet.

A.—Observatory tower.

B.—Instrument enclosure.

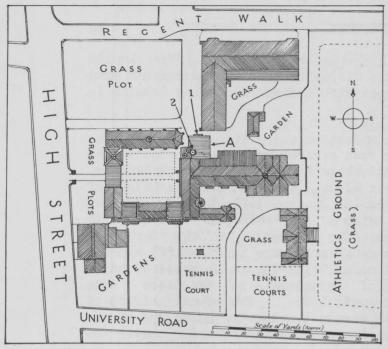


Fig. 7.—Plan showing surroundings of observatory tower, king's COLLEGE.

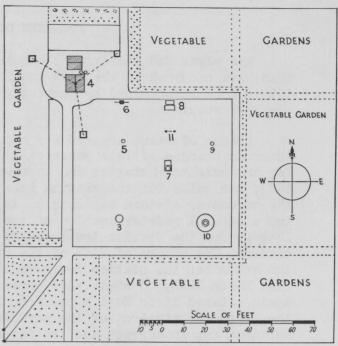


Fig. 8.—Plan showing arrangement of instruments in THE ENCLOSURE.



Fig. 9.—View of observatory tower from N.W.

- A.—Observatory tower.
- I.—NORTH WALL SCREEN.

- 3.—Jardi rate of rainfall recorder.
 5.—Check raingauge, 8 inch.
 7.—Beckley self recording raingauge.
 9.—Telegraphic raingauge, 8 inch.
- II.—EARTH THERMOMETERS AND SUPPORT FOR GRASS MINIMUM THERMOMETER.

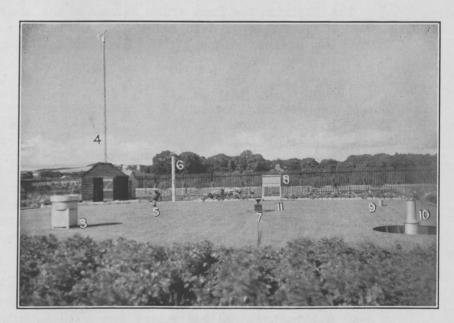


Fig. 10.—View of enclosure from S.

- 2.—Small circular tower on top of observatory tower on WHICH ARE SITUATED THE ROBINSON CUP ANEMOGRAPH AND CAMPBELL STOKES SUNSHINE RECORDER.
- -DINES PRESSURE TUBE ANEMOMETER.
- 4.—Dines pressure tube and 6.—Besson comb nephoscope.
- 8.—Stevenson screen.
- IO.—HELLMANN-FUESS SNOWGAUGE.

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

Change of value adopted for height of Station above Mean Sea Level .- The numerous changes of late years call for some remarks upon the adopted values for the heights of station and instruments above M.S.L. Prior to 1st January, 1925, the value for the station level was 14.0m., and that for the height of the barometer cistern was 26.8 m. As from 1st January 1925, however, following a careful redetermination of these heights the values were altered to 13.4 m. for the Station level and 26.0 m. for the height of the barometer cistern. The change of site of the rain-gauge enclosure in June 1928 altered the value for the station level to 11.4 m. at which figure it remained until 31st March 1933, when the removal of instruments to the Glebe again altered it to 24.1 m. as from 1st April 1933. The actual heights of the barometer cistern, of the north-wall screen thermometer bulbs, and of the Robinson Cup Anemograph and the Campbell-Stokes Sunshine recorder have remained unaltered throughout.

METEOROLOGY

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

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

Pressure and Temperature. The photo-barograph, standard Fortin Barometer and thermograph are housed in the Observatory room. The pressure scale value of the photo-barogram is 1 mb. = 1.18 mm. on the paper, when the paper is at normal atmospheric humidity. In similar circumstances the time scale is 1 hour = 9.3 mm. The records of the photo-barograph are standardized by means of control readings taken from the standard barometer. Up to the end of 1928 this instrument was Fortin Standard Barometer M.O. 273, but from the 1st January, 1929, it was replaced by Fortin Standard Barometer M.O. 1149. The N.P.L. certificate of this latter barometer shows a standard temperature varying from 286° A at 1,050 mb. to 287° A at 910 mb; corresponding corrections have been applied to the control readings.

The recording thermometers are placed in the North-wall screen already referred to. The scale value of the wet bulb thermograph record is 1° absolute = 3.20 millimetres on the paper; for the dry bulb thermograph the scale value varies slightly with the temperature, but is approximately 1° absolute = 3.4 millimetres. The time scale is 1 hour = 9.23 millimetres. Reading of the photo-thermograms is done by means of glass measuring scales, the records being standardized by control readings from Standard Thermometers M. O. 1698 (dry bulb) and M.O. 1697 (wet bulb). These thermometers have corrections, varying at different parts of the scale, of between -0.1° A and +0.2°A; these corrections have been applied to the control readings. The heights of the barometer cisters and of the bulbs of the thermometers are given at the top of the appropriate tables.

It may be here emphasised that the bulbs of the thermometers in the North-wall screen are at the considerable height of 12.5 metres above the ground, and that readings from these thermometers are exclusively used for this publication (except as noted below under Humidity) and for the corresponding summaries printed in the Monthly Weather Report.*

Rainfall. The recording instrument in use is Beckley Rain-gauge No. 2 with an area of 101·1 square inches (653 cm.²). The procedure adopted in tabulating the records is similar to that described in the General Introduction and calls for no comment. Control was by check gauge M.O.266 during the year 1935.

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

Sunshine. The sunshine recorder (Campbell-Stokes type) is exposed on the small circular tower on the Observatory roof on which the Robinson Cup Anemograph is erected. It is rigidly held by lead flaps soldered to the lead roof. The actual diameter of the sunshine sphere is 4.02 inches, and the focal length 2.97 inches, these figures being slightly in excess of the standard values (diameter 4.00 ± 0.5 inches, focal length 2.95 ± 0.1 inches). The exposure is excellent; the only obstruction is a flagpole to the east, of angular diameter about 1°, which may obstruct 0.1 hr. record about 7h. between April and September. This loss has been allowed for, whenever practicable, in tabulating records. In computing the percentage duration of sunshine the actual possible values for each day of the year 1935 have been employed, a procedure similar to that adopted from 1926 onwards.

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

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

^{*}The temperatures for Aberdeen published in the "Daily Weather Report" and summaries from them given in the "Weekly Weather Report" are from different thermometers, viz., those in the Stevenson Screen, with their bulbs only 1.3 metres above the ground.

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

<u>Farth Temperature.</u> Readings have been made at 9h. G.M.T. of earth temperature at nominal depths of one foot and four feet below the surface of the grass.

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

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

For the period 18th June, 1932, to 25th March, 1933, comparative readings are available from the new 122 cm. thermometer at the Athletic ground and the old instrument at Ladymill. The results indicate that at 122 cm. depth the Athletic Ground is about 1.50A to 20A warmer than Ladymill during June, July and August, and about 10A colder in November, December, January and February. Similar comparative observations are not available for the College Gardens site, but some idea of the differences between that site and Ladymill can be obtained by comparing the readings at Ladymill during the four years, June 1928 to May 1932, with those obtained for many years prior to June 1928, at the College Gardens. These indicate that Ladymill is warmer than the College Gardens from September to April and colder from May to August, the maximum differences being approximately +2°A and -1°A. The continuity of the earth temperature readings has thus been seriously affected by the changes of site. The thermometers were transferred at the end of March 1933 to the Glebe site, thus introducing another discontinuity the effect of which cannot yet be estimated.

Minimum Temperature on the Grass.— The grass minimum thermometer is exposed in the enclosure on two wire pegs about 4 cm. above the grass. It is set at 18h and read at 7h, the reading being entered to the day of observation. Up to 8th October, 1935, the instrument in use was the spirit-minimum thermometer M.O. 17944/27, whose readings require no correction. On the 9th October 1935 there was brought into use a new Glycol-ether Minimum thermometer M.O. 60385/35 which has a correction of -0.20F at 120F, -0.10F at 320F, and 0.00F. at 520F.

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.

<u>Visibility.-</u> In the subjoined table there is given a list of the objects

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

The range of visibility from the Observatory is somewhat limited by the high ground surrounding the city. From S.E. through S.to N. the distance of the visible horizon is between 2 and 4 miles (4 to 7km.), but in the N.W. a higher hill, at a distance of 5 miles (8.5 km.), rises above the nearer ridges. To the N.N.E. however there is a clear view of the coastline as far as Cruden Scaurs, where the coast consists of cliffs over 100 feet high, and is nearly 19 miles (30 km.) distant. From N.N.E. to S.E. there is only the sea-line as horizon, which from the height of the Observatory tower is about 10 miles (16 km.) distant.

Definite objects exist at standard distances from A to H, but from I to M there are no definite objects, though there are adequate identification marks for K and L. Owing, however, to these marks being on the sea-coast, and to the generally clearer visibility to the seaward side of the Observatory, it has been deemed advisable to employ small letter entries for all visibility distances that are not definitely landward estimates. The distances I and J are based upon estimates between other available distances. 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
L (1)	miles) and Brimmond Hill (5 miles).	110 " 218 " 550 " 1,100 " 15miles 13 " 2 " 21 " (32 ") (51 ")	E.S.E. E.N.E. S.W. S.E.

IDENTIFICATION NUMBERS OF INSTRUMENTS USED IN 1935.

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

Standard Fortin Barometer	••	M.O. 1149
Dry Bulb Thermometer	••	M.O. 1698
Wet " "	• •	M.O. 1697
Recording Beckley Rain-gauge	• •	2
Jardi Rate of Rainfall Recorder	••	M.O. 4
Hellman Fuess Snow-gauge	• •	100532
Control Rain-gauge	• •	M.O. 266
Glass for "	• •	M.O. 1705/33 and 1744/34
Hair Hygrograph	• •	M.O. 51/33
Campbell-Stokes Sunshine Recorder	• •	M.O. 32
Robinson Cup Anemograph	••	M.O. 50
Dines Pressure Tube Anemometer	••	M.O. 1040
Earth Thermometers	••	M.O. 6, M.O.11
Grass Minimum Thermometer	•, •	M.O. 17944/27 and 60385/35

REVIEW OF METEOROLOGICAL RESULTS

Pressure: The mean pressure for the year 1935 was about 2 mb. below the normal value. Only the months of July and August showed anything like a close approach to their normal values, whereas excesses of 8 to 10 mb. were recorded in January, March and May, and deficits of over 9 mb.in February, September and October. The largest departure was recorded in February, whose mean pressure of 998.4 mb. was 12.2 mb. below the normal. February was the month with the lowest mean pressure and May that of highest mean pressure. The absolute extremes of pressure, at Mean Sea Level, for the year were 1046.0 mb. on 9th March and 959.5 mb. on 19th October: giving a range for the year of 86.5 mb. Very great ranges of pressure were shown in several individual months; December showed a range of about 80 mb., January 73 mb., and February 63 mb. The most striking movement of pressure occurred between the 18th and 20th October, when the pressure fell nearly 57 mb. in 22 hours, and rose subsequently over 51 mb. in 37 hours.

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

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

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

Values of c_n , a_n , in the series Σc_n sin (15nt $^{\circ}$ + a_n), t being Local Mean Time reckoned in hours from midnight

Month	cl		α ₁		c ₂		a 2		c ₃		α ₃		c ₄		α4	
and Season	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926		1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871 - 1926
	mb.	mb.	0	O?	mb.	mb.	0	٥	mb.	mb.	o	0	mb.	mb.	0	0
January	-14	-09	144	169	-16	•23	113	146	-15	•13	355	348	•06	-05	134	211
February	•57	•16	151	173	•25	-27	135	143	-07	•10	1	346	•03	-03	69	84
March	•21	-16	206	156	-32	-29	154	147	-05	-05	333	330	•04	-03	21	27
April	•60	•15	150	155	-29	-28	145	151	•04	•02	4	188	-04	-04	5	359
May	-17	•10	58	136	-22	•24	138	145	•04	•06	146	166	-02	-02	278	333
June	•12	•06	165	104	•21	•22	129	141	-03	-07	148	155	-02	-01	304	331
July	•12	-09	112	135	-19	-21	149	142	-03	-07	134	155	-02	-01	104	339
August	•22	•11	179	161	-25	•23	139	144	-03	•04	192	165	-04	-03	326	333
September	•43	•12	145	147	•36	•29	147	151	•06	•03	351	346	-05	-05	8	345
October	•04	•15	181	187	-17	•27	149	156	-07	-07	19	0	-01	-03	67	34
November	•21	•13	105	201	•21	-23	175	159	-14	•10	4	4	•03	•01	209	186
December	•13	•16	284	169	•16	•21	147	147	•12	-12	19	357	-09	-05	240	205
Arithmetic																
Mean	•25				≁23			l	-07				-04		ļ	i
Year	•19	-12	150	162	-23	•25	144	148	-05	-03	9	359	-01	-01	331	338
Winter	•19	•13	145	178	•18	•23	143	149	-12	-11	9	353	-03	-03	193	194
Equinox	•30	•14	158	162	-28	-28	149	151	•05	-03	358	345	-03	04	16	В
Summer	-11	•09	135	139	•22	•22	139	143	-03	-06	154	159	-02	-02	313	334

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

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

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

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

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

Temperature: The mean temperature for the year 1935 was about 0.50A above the normal, but the departures of the individual months from their normal values, were, in all cases except one, less than 1.50A. The exception is March which showed an excess of about 20A. March and August were the months with greatest excess of temperature, while December showed the largest deficit. The highest temperature of the year was 297.90A on 23rd July, and the lowest was 266.50A on 24th December.

Relative Humidity: Over the year there was an excess of 0.5 per cent in the relative humidity and in five of the individual months the departure from normal was 3 per cent or more. June showed an excess of 6 per cent, April

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

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

Sunshine:- The sunshine recorded during 1935 was about 1 per cent below normal. The largest departures occurred in July, whose value of 42 per cent of the possible was 13 per cent in excess of the normal value, April, whose 25 per cent of the possible was 10 per cent below normal, and June, whose 26 per cent of the possible showed a deficit of 8 per cent. The remaining nine months were all within 5 per cent of their normal values. On only 9 days of the year did the recorded sunshine reach or exceed 80 per cent of the possible, the highest value, 85 per cent of the possible, occurring on 24th May and 31st October. The brightest day of the year was 24th May, when 14.5 hours were recorded, and on only two other occasions, 29th June and 11th July, did the day's sunshine reach or exceed 14 hours.

<u>Wind Speed:-</u> This year the mean value of wind-speed was only 3.6 m/s as compared with 4.6 m/s last year, but this decrease is due almost entirely to the adoption of the new basis of tabulation described on p.92 of this Introduction.

April was the month with the highest mean wind speed, the value recorded being 4.4 m/s, while August with 2.5 m/s had the lowest mean wind speed. The highest hourly speed recorded during the year was 17.1 m/s on 14th February.

Minimum Temperature on the Grass: - On 77 occasions during the year ground frost (less than 272.20A) was recorded. The months of greatest frequency were February, November and December. From June to September inclusive, no occasion of ground frost was recorded. The lowest temperature "on the grass" was 263.10A on 26th February.

Temperature in the Ground: The annual mean temperature in the ground at a depth of 1 foot was 281.6°A, and that at 4 feet was 281.7°A. These compare with the annual mean temperature of the air of 281.35°A. At a depth of 1 foot the lowest mean monthly value was 276.6°A in February and the highest 288.5°A in August. The extremes values during the year were 289.8°A on 8th August and 275.6°A on 27th February. Corresponding values at a depth of 4 feet were 277.8°A in February and 287.0°A in August, with extremes of 287.3°A on 29th August and 277.5°A on 2nd March.

Cloud and Weather: The annual mean cloud amount was 7.0 tenths. The cloudiest month was April with a mean cloud amount of 7.7 and the least cloudy months were July and December, both with a mean cloud amount of 6.2.

Aurora: - During the year 1935 Aurora was recorded on nine occasions, two in

the earlier half of the year and seven in the later half. Dates of occurrence are given in the General Auroral Table.

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

69. ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26.0 metres

JANUARY, 1935

C	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	M
	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	1
T	i	008.6	009+1	009+6	009-8	009+8	010-0	010-3	010.5	011.5	011.8	012-3	012.6	012.6	013-4	013•9	014.6	015•6	016 • 1	016 • 6	016.8	017-2	017.4	017-4	017-5	0
- (2	017.5	017.6	017-7	017-8	017-9	018+3	018.5	019-6	020.0	020-9	021.4	021.7	021.9	022.2	022-5	023 • 3	023 • 9	024 • 6	025 • 1	025 • 2	025.1	025 • 4	025 • 4	025.5	
	3	ODE - 1	011-0	027	024-6	024-1	020 0	020.0	022.2	021.6	027 . 2	020-9	019-4	018.3	017-4	016 • 4	015.4	014.9	015.5	015-9	015.9	016-0	015-9	015.8	015-9	
- 1	-	025.1	023-1	025-0	015-0	024-1	023.0	025.0	075-6	075-6	016.5	016.0		017-4												
- 1	4	015 • 4	014.9	014.8	012.0	014.6	014.9	012.0	072.5	015.0	016.5	010-0	017-2	034-0	01/12	012.6	013-6	012.6	010.5	012-0	010.6	012.0	013.3	012.5	017-4	17
	5		}	ŀ	1	l	1						f I	014.8	l	1				i						
	6	013.6	014-0	014.5	014-6	014-6	015-2	015-8	015-8	016-1	016-2	016 • 8	016 • 4	016.0	016∙2	016 • 2	016.5	016.6	016•7	017.0	017-2	017-5	018•1	018•8	019•1	(
ı	7	010.6	000-0	000-3	090-8	വം വേ	021.5	022.2	022.4	022.8	1022+8	023 • 2	1023•1	023•2	1023•3	1023•6	1024 • 0	1024 • 1	1024 • 2	1024 • 2	1024 • 2	1024•1	024 • 3	1024•5	1024•4	13
.	8	094-1	രാട്പ	000.0	1002.7	023.4	000.0	055.0	022.7	022.7	I∩22.•61	023-0	022.5	022 • 2	1021 • 9	1021 • 4	1021 • 4	021 • 4	1021 • 1	1021 • 1	1021•6	1021•31	1021•3	1021 • 4	1021 • 2	
- 1	9	007.0	020-0	000.0	000-5	000-1	000.0	020.3	020-1	020.2	020.2	020.3	019.5	019-1	018.9	018+3	018-1	017-8	018+3	018+0	017-9	017-9	017-4	017-1	016 • 4	Т
- 1	-	OSTA	020.8	0200	020-5	020-1	020-2	020-1	070.0	070-2	010-6	010.4	0124	012.1	011.6	011.6	010.6	010.3	010-0	000.0	008.5	008.7	008.3	008.0	007.5	
	10		1	ł	i		1				1		1		}		1							1	i	1
1	11	006.40	005.7	004+8	003.5	000.0	000.5	998 • 1	995.9	994.6	994-1	993•0	992•1	991.6	990 • 5	990 • 4	989•8	989 • 5	990 • 7	991.1	991.9	992.1	992.9	993-6	993.7	1
- 1	12	000-0	003-7	004-0	005.6	006.1	007-7	008.3	900.7	000.0	001.6	003.2	003-8	004.6	004.7	005-6	005.7	005.9	006 • 0	005-9	005+8	005+8	005+8	005+8	006 • 5	1
- 1		994.0	994.0	995-0	999 0	990.1	331-T	000.0	000-	000-5	002.0	000 2	000 0	005•4	005.0	000	004-0	000 0	000	000 0	001.5	000	000.7	000 - 7	000.7	ь
Te :	13	006 • 9	00.4 • 1	007.9	007.8	008+0	007-7	007-7	007-5	007-5	007-7	007-3	00000	003-4	003-0	004.3	004.0	003-3	002-3	001-7	001.2	000-0	000-7	000-7	070.7	1
Level	14	001.1	001•4	001.9	002.5	003•3	003-8	005-1	006 • 4	007-6	008 • 3	009.5	010.6	011-1	011.8	015.4	013.2	OT4.6	012.0	076.1	0.00	017-3	010.5	019-0	018.2	Ł
	15	019.7	019•9	020-5	021.0	021.4	022-1	022-9	023-8	024-4	025-1	025•6	025•6	025•7	025-9	025-9	026 • 7	027•3	027-6	027•7	027-6	027.5	027•3	027-2	026 • 7	ľ
Station	16	026.0	025.6	095.9	025.2	025•1	025.4	025•4	026-1	026 • 4	027-0	027•4	028•6	029•3	029-9	030+3	031.2	032-1	032-4	033-6	033-9	034.4	034-9	035 • 2	035-9	1
7	17	025.5	025.3	025.8	020.2	026.2	020.6	026.4	037.0	037.2	038.1	038•4	038.5	038 • 4	038+3	038+5	038.6	038.8	038 • 9	039.2	039+3	039-5	039 - 7	040 - 2	040 - 2	
ফ		035-5	035-3	035-7	030-3	030-3	030-0	030-4	037-0	041.1	030 1	041-3	047.6	041.G	040-0	040.8	041.0	041.0	040.7	041.1	040.7	040.6	040.6	040-6	040.5	ı I
ı	18	040 - 2	040-4	040-3	040-3	040-1	040 - 2	040 • 2	040.0	041-1	041.4	041.3	041.5	041.0	040-9	040-0	041-0	041-0	040-7	0.50 4	040-7	020-6	020-6	030-3	020 5	
- 1	19	040•1	039-9	039•8	039 • 8	039-9	039-1	039•3	039.5	039•8	039.9	039.8	039•4	039.1	039.0	038 • 6	039•0	039.3	039.3	039-4	039-3	039.5	03914	039.3	039-2	П
	20	039-1	038 • 7	038•6	038-6	038 •6	038•3	038 • 4	038•7	038•2	038 • 5	038•5	038-6	038•3	038•0	038•0	038 • 1	038•2	038•3	038.1	037•9	037-8	037•7	037•7	037-5	Г
-	21	037+0	036.8	036+3	035•7	035•5	035+3	035-2	035•1	035+5	035 • 7	035•6	035-2	034•2	034•1	034-0	033-9	033-8	033-7	033-4	033•6	033-8	033•9	033-6	033-7	1
- 1	22	007	030-0	020.8	000	020.0	022-0	022.5	030.5	030.0	031 -6	033.5	031.5	031-0	03055	020.7	020.5	029.5	028 • 8	028 • 3	027-6	027-4	026 • 9	026 • 5	025 - 7	1
		000-4	032.5	032.1	002 5	000 6	032-0	030.6	010-6	030-0	032 0	002 0	001.0	021.3	000 0	001-6	000.1	000.5	022.6	022.7	022-8	023.1	095.6	022.0	099•1	ŀ
1	23	024.7	023.7	022.6	027.2	020-2	018.5	078.4	079.4	019.0	019.9	020-5	021-0	021-2	021-9	021-0	022-1	000 0	005 5	000 5	000.1	000-1	004-3	002-0	000.0	
1	24	021.1	019•8	018•6	017•3	015.7	014-2	012-8	010.8	009.9	008 • T	006 • 6	005•0	004.2	003•4	00T.	0000	998•3	995.5	992-7	989.T	986.1	904.0	903.0	902.0	
	25	982-6	981.6	980•8	979•0	977-9	976 • 2	976-0	973•9	973-5	972-5	972•0	970-8	970-0	969•2	968 • 7	968•8	969•4	970•3	971•3	971.9	971.2	974•9	978•9	88T.2	ı
	26	984.1	986.5	987-6	989-9	997 • 5	992-8	994-8	997-2	999•4	000-2	002+1	003-6	005•0	005-8	007-2	008-4	009-4	010-7	012-0	012-1	012-4	013-4	013-9	014.4	ı
- 1	27	015.1	015-5	016.1	016.6	017.2	017.8	018-7	019.6	020.2	020.6	027 • 1	021-4	021.9	022.4	022.4	023-7	024 • 2	024 • 3	024.8	024 • 7	024-6	024 • 5	024 • 3	024-2	:
1	28	020-1	010-0	000-4	020-0	020-4	020-0	020	023.0	027.5	000 0	027.0	090.9	019-8	010.4	010.9	010.3	079.4	019.9	020.0	020-1	020.0	020.5	020+3	020-4	
- 1		024-1	023.9	023-4	022.9	022.4	022-0	OSTO	021.0	02T-9	021-3	021-0	020 2	022-8	010-4	010-2	019-0	001-6	010.0	020-0	020-0	030-0	010.4	017.6	016.5	
- 1	29	020-5	020-8	021.4	021.4	05T-8	051.8	022-3	022.5	022.9	023.3	023.3	023.0	022.0	022-5	022.1	000.5	021-9	000-0	010-3	010-5	010-4	010-3	030-4	010.3	1
1	30	015.7	015-2	014.5	013•5	012-4	011-8	011-1	010-8	010-4	009-8	009-6	009-2	009-2	009•2	009-1	009-2	009•4	009.8	010.3	010-5	010-4	010-3	010-4	010-3	L
1	31	010-0	009•5	008-9	008 • 5	007•7	007•4	007-0	007-2	007-2	007-2	006•9	006•1	005-6	005•1	004.7	004•8	005•0	005•5	005•6	005•4	005•6	005•6	004•9	004•6	
n		1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	T
tion	Level)	•95	•85	•77	•65	•44	<u>·31</u>	•36	•47	•71	-80	<u>•97</u>	•80	•65	•54	•45	•59	•68	•63	•87	•72	•64	-78	•88	•91	1
1		1021		1021			1020	1020			1021	1021	1021	1020	1020	1020	1020	1020	1021	1021	1020	1020	1021	1021	1021	Τ
Lev	rel)	•22	•12	•04	•91	•71	•58	•62	•73	•97			•05	•90	•79	•69	•84	•93	•69	•13						

70. ABER	DEEN:	Hb	=	26•0	metres
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FEBRUARY, 1935

	,b	- 20	•0 me								,									,	,			195	_
↑ 1	mb 004.4	mp	mb	mb	mb	mb	mb	mb	mb	mb ecco	mb	mb	mb 991•3	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	л 99
2	004-4	005-6	003-0	002-0	007-1	000-4	000-0	000-5	001-4	992.0	992-0	000-4	995.1	990-1	909.3	900 4	900-4	907.7	900.1	900.0	905 9	905-0	900-0	303-0	99
3	905.5	905-0	900 - 2	900 0	901-1	901-0	909-0	909.5	991.4	991.0	992.5	001-6	001-4	995-8	997.7	998.T	999.1	007.0	002.3	003.9	005-4	000-3	007-1	007-5	93
1 -	007-3	000	000 5	005-4	004-0	004-0	003-3	002.5	002-1	00T-8	00T-9	001-0	001-4	001-4	001-1	001.5	001.8	002.2	002.6	003.1	003*0	003.3	003-9	004-3	00
4	004.7	004.9	005*2	005-7	000.1	006+3	006 • 4	007.0	007•4	007-3	007-0	006.5	005-6	005-6	005-3	005-2	005•0	005 · T	004 • 8	004 •6	004.0	003.6	003.4	003.0	00
5	002-4	001-7	001-3	000•7	000-0	999•5	999•3	998•5	998•T	998•0	997•3	997•1	996•6	996•5	996•4	996 • 4	996 • 7	997•0	997•5	998-0	998-8	999•0	001.7	003-9	99
6													022-2												
7													025•6												
8													024•7												
9	022-2	021.9	021.6	021.0	020 • 4	020.5	020-2	020-3	020-0	020.1	019-7	019.4	019•3	018-8	018-4	018-2	018•4	017•9	017.8	017-8	017-1	017-1	016 • 7	016 • 9	(
10	017.0	017.1	017-0	017.0	017-1	017.1	017.3	017-4	017-6	017•4	017.3	017•0	016-7	016-6	016 • 1	015.7	015•4	015•3	015.1	014.9	015.0	014.7	014.2	014-4	0
11	014.1	013.5	013•4	013-1	013-3	012.9	013-0	012.9	012.7	012•4	011.5	010-5	009•6	008-7	007-8	JJ06+8	005•3	004.5	003.2	001.5	000-5	000+8	999-1	996-6	(
12	995 • 4	992.7	990 • 5	989 • 3	989•3	989 • 7	990.4	991.6	992.5	992.8	994-1	996 • 0	997-3	998 • 2	998 • 5	939•1	999•6	000.1	00000	999 • 6	999•2	998 • 4	397.5	996 • 6	
ਚ 13	995.3	994 • 6	993 • 7	992•0	990 • 7	989 • 9	989.2	988 • 8	988 • 5	988 • 7	988 • 6	988 • 5	988•1	988 • 5	988 • 5	988 • 4	988 • 2	987-6	988 • 0	987.2	986 • 5	984.9	983-6	982-6	9
a 14	981.5	981.1	980 • 8	980 • 4	980.3	980-2	980.0	980+4	981.1	984.2	989 • 4	991.2	993.0	995-3	998 • 1	998-6	999•5	999•8	999 • 8	000-0	999 • 5	999 - 2	999.0	998 • 6	1
15	998•0	997-9	997•5	997•5	997•5	997•6	997.5	997•3	996 • 7	995•8	994•9	993•5	991•5	990•4	988•9	988•5	987•6	987•7	987•1	986 • 9	986 • 8	987•5	987•5	987-1	L
Station 16	986 • 8	986 • 0	984 • 7	983-6	982-7	981.5	980•5	980-0	979•1	978 • 2	977•9	977•5	976•8	976 • 6	976-1	976 - 7	977•6	979•4	980-9	983-1	985•4	988•0	989 • 5	992-1	١.
£ 17													003-8												
1 18													997-8												
19													996•0												
20	990-8	988 • 7	986 • 5	984.6	982-9	981.5	980-3	979.3	977-0	976 • 8	974.7	973-9	973•4	973•C	972-3	971.6	971.4	971.2	971.3	971-1	971.1	970-4	969•6	968-0	1
21	967-4	967-1	965+9	966 • 1	965•0	965+6	966 • 0	965•5	965•3	964 • 8	964-9	964-4	964-1	964•2	964•9	966•0	967-2	968•1	968•6	969•4	970.2	970 • 5	970•1	970 • 0	١
22	970-2	969.7	969.5	968 - 7	968-3	968+1	968 • 1	967.6	967.6	067-3	967.0	966 • 2	965 • 7	965.5	965-6	965 • 7	965.6	965.9	988 • 0	966 • 1	966 • 7	967-5	968 • 2	969.5	13
	970-1	970-7	971 - 9	972.0	972.9	973.6	974.3	975.0	975.4	977.1	977.5	978 • 3	979-1	979 - 3	979.6	980.2	980-7	981.0	981.5	981 • 8	982.2	982-6	982 - 7	982.8	ı
24	000-0	000-6	000-0	00246	002.7	003-6	002.4	003.6	004-0	004-6	004-3	004.1	983•6	002.2	000.0	000.5	000-1	002-1	000-0	001.4	080.0	980.0	070-6	078.6	
	070.5	905-0	206.0	902-0	903-1	903-6	000-4	202.0	904-0	904.	904-1	304-1	981.5	903-3	002.0	902-9	005-0	905-0	002-6	901-4	090.5	900-2	001.1	900-0	1
20	910.5	978•0	977*6	977-6	977•4	977.5	977.6	978-3	978.9	979•5	980.0	900-0	901-3	302.2	983.0	984 • 0	985.0	986.9	987.6	966 • 6	909-0	990-3	991-1	992-0	
26	992-6	992-9	993•3	993 • 5	993•8	993•6	993•3	993•4	993-6	994•3	994•7	994•8	995•4	995-5	995•9	996 • 3	996 • 3	996•8	996 • 5	996 • 6	996 • 2	995•8	994.9	994 • 3	L
27	993-3	992-3	991.2	990•0	989-6	988 • 9	988 • 9	988•2	988 • 0	987•3	986 • 9	986 • 3	985•5	984•4	984.0	983.5	983-2	982-8	982•4	982-2	981.7	981.2	981.3	981-6	ı
28	980 • 4	980-2	979•6	979•4	979•5	979-6	979•5	979-8	980•0	980-3	980•3	980•3	980•2	980-3	980•5	980-8	981•4	982•0	982•6	983•4	983•9	984•3	984•9	985•7	
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n tion Level)	995 •83	995 •51	995 •17	994	994 •71	994 •65	994 •66	994 •79	994 •88	995 •01	995 •17	99 5 •09	995 •05	995 •03	995 •03	995	995	995 •47	995 •54	995 •56	995 •58	995 • 5 9	995 •42	995 •37	T
n .	999	998	998	998	997	997	997	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	t
Level)	<u>-03</u>	•71	•37			<u>•85</u>	-86	•00	•08	•21	•36	•27	•22	•20	•20		•40	•66	•73			•79	•62		L
Hour G. M. T.	1)	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	

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.

71. ABERDEEN: Hb (height of barometer cistern above M.S.L.) = 26.0 metres

MARCH, 1935

G.	Hour M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	*
	Day	mb	mb	mb	mb	mb	mb	mb da	mb	mb	mb '	mb	mb	mb	mb	mb	mb l	mb .	mb on	mb	mb .	mb .	mb	mb	mb	9
1	ĭ	986 • 0	986 • 4	986 . 7	986 • 9	987-4	987-9	988•4	988 • 9	989 • 2	989.0	989-1	989-1	989-1	388.T	989.4	990.T	990.6	937.9	011-0	011.4	011.7	011 - E	013.5	031-2	18
1	2	000.0	000-0	000.7	001-0	∩∩1 • a	003.0	I 004 • 2 I	005 • 4	006 3	1007.51	1000.5	ו פיסטטו	009-2	009.5	010-0	010.5	011-7	010.0	011-0	0110-6	0112-7	014-7	014-1	011-2	là
	3																									
- 1	4	015-1	015.4	015.6	016.1	016.6	017.1	017-7	018.7	018 • 9	019-3	019-4	019-3	019.6	OTA-2	078-0	010.1	070-0	010-4	011-0	010-4	010-2	010-6	024.0	024-0	L
1 .	5	014.5	014.6	014.5	014.5	014.7	014.8	014-7	014-6	014-3	014-4	014-6	014.6	014-9	014.8	076.5	016-3	010-0	010-4	010-7	019-4	OT8-3	OLSTO	ULU-3	020-0	Г
	6	091.9	091.0	001.3	021.7	022.1	022.4	023-0	023-6	024-1	024-7	025-2	025-6	025•7	026-0	026 - 1	026 • 6	027-1	027-7	028-2	028-8	029-4	030-0	030-3	030-5	Н
1	. ,																									
	é l					000 0	000-0	000.51	A28 - A	U30 * 1	1022.7	1.038 • 6	1038 • 7	11304+6	1013895	10.383.5	11) 123 - 7	U.39 U	U.39 .31	וסישכטו	U38 3	U1076	1040-0	1040.0	1040.9	
1	9	ان منما			A47 . F	047.0	047.0	1 A 4 0 - 1 I	A49.2	049.4	1049.KI	1049.5	1042•2	1041 • 7	1041 • 3	U4U*8	1040 • 21	U39*8	U.39 Y	038-71	U38 3	U33-4	1000-7	1030.2	1030-1	
-	10	038 • 3	038 • 0	037-6	037-1	037-0	036 • 8	036 • 9	037-1	037 • 0	036 • 9	036 • 7	036 • 7	036 • 5	036 • 2	035 • 9	035-8	035-9	036 • 4	036 - 5	036 • 8	037-0	037-1	037-1	036-9	ľ
1													'	038•5											•	
İ	11	036 • 8	036 • 8	036 • 7	036 • 7	037-0	037.2	037-2	037.6	037.9	030 - 7	030-4	030*3	038-7	038-8	03092	037-8	037-4	037-1	036 - 8	036 • 6	036 • 3	035 • 9	035.5	034 - 9	i.
1	12				000.0	ABO - 4	020-2	10-11-01	A21 -0	027 -4	1021.0	10.50.*8	IU3U•3	(124+A	111224 • 7	1028•3	1127.0	1127 4	U27 - 1	ופיסטטו	02170	0200	1020 0	1020-0	IOKO - T	
ē	13	034.3	033-9	033-1	032-7	032.4	002-0	037.9	002-6	037-4	037.0	030.0	022.1	021-6	021 • 1	020-9	019-9	019-5	019-4	019-0	018-6	018-3	017-7	016-9	015-9	ı
Level	14 15	025-9	025.5	024-9	012.8	012-1	011.5	011.2	010-8	010-4	009-7	008-9	007-8	006-6	005-8	004-8	004-1	003-6	003+8	003-8	003-8	003-7	003-2	002-6	002.3	Ł
															ł .								i i	I.	1	
Station	16	002-0	001.7	001-2	000-9	000-7	000-5	000+5	000-5	000-2	000-2	000-1	999•7	999-4	998-8	998 • 6	998 • 2	998•1	998•3	998 • 2	998 • 1	998.3	998.3	998.4	998.0	l
ž.	17				000.0	000.0	000-0	^^1 - 61	AA1 - A	000-0	1002.1	IVV3 • G	100A • A	1 00A • 7	1005 • 4	(X)5.•K	1005 • 7	(XXS+2.	(K)7°2.	וטייסטטי	UU5 • /	שיסטט	יסיפטטו	1000-1	ם י פטטן	
ή	18		A1A A	010.0	070-4	070-7	010-0	ווגווחו	011.0	011.2	1011.9	1011•3	1011 I • 2 1	nin•9	1()1()•4	()1()•2	1001999	UU3 • 7	UUS 7	ווייטטטו	W3-4	005-3	1002 T	1000-0	1000-7	
1	19		000 0	000.0	000 - 4	000-0	224	007-4	007.0	000	1002-4	IMMR • 5	INNR•#	nnו7	ICYDH • 5	100000	(K)7.49	UU7 • 7	UU7°21	ודייוטטו	W/*W	000	1000.4	1000-0	1004-0	
	20	004.5	003-6	002-6	002-0	001-6	000-9	001.1	001·4	001.7	002-2	002-6	002-7	003-1	003-4	004.3	004.6	005*4	000.5	000-0	00/-4	007-7	000-4	000-5	000	ı
1		000.0	000.7	000.0	008.1	007+5	007•4	007.6	007-6	007+3	007-3	007-1	006-6	005•7	005-0	004.8	004-6	004.5	004-1	004-0	003-8	003-5	003-0	002-4	002-2	ı
	21 22			000 0	000-0	000.0	000.2	000.1	000 - 0	000-0	1008 • 5	1 QQR • A	1007•3	998.6	1995 • 9	995•3	1994 • 7	994°1	33.3 °C	893-31	993*0	226-4	פיבטט	1 ADT. L	027.3	
1	23	000.4	990.0	090-1	989.2	989-6	990 • 1	990-6	991.3	991.6	992-0	992-7	993•5	993•8	1994 • 0	1994 2	1994.5	990.5	AAO.T	220.0	997-1	220.2	222.	ויסטסו	[OOO O	1
1	24	~~~ ~	000 4	000.0	004-4	AAE . C	007.0	1000-21	2000	1010.5	1011-6	101201	1013.2	013•3	1013-9	1013•9	Ю13•9	U.L4 • U	1014 °U	U14.3	OT4.T	0.01	010-0	OTT.O	077.0	
1	25	010-7	009-2	008-3	007-7	007-6	007-1	006-1	006-6	006 • 6	006-5	006-7	006-6	006 • 6	006 • 6	006-8	007-4	008-2	008-3	008-4	009-0	009-1	009-1	009-3	009-8	ŀ
1		1									L				l .			*						1		
1	26	010-1	010-1	010-2	010.3	010-3	010.5	010.4	010-4	010-6	010.6	010.0	010.4	010-6	010.9	070-2	070.4	010-9	011.5	024-3	024 • 4	024.6	025-0	024.9	024-9	
į	27	012.7	013.2	013.4	014-1	015.0	016.0	017.5	078.5	018.0	020-0	020.6	021.4	021·5 022·8	021-0	022-4	022.0	023-1	020-6	021-0	024-4	020-8	020-9	020-8	020-8	
1	28	024-8	024 • 4	024.5	024-4	024-1	024-4	024.3	023-9	023*8	023-0	024-0	023-3	028.5	020.3	027.0	027.7	027.4	026-8	026 - 5	026 - 3	025-9	025-2	024.5	023-1	1
	29	020+9	021-1	021.7	022.8	023-0	023-7	025 • 4	026 2	026.9	027-3	021-0	01440	014.1	012.6	012.6	012.3	012-0	011.8	017-6	011.2	010-8	010-5	010-1	009 • 7	1
ı	30										l			ı	i	!	ı							1	ŧ	
	31	008+9	008•0	007•0	005-9	004•8	003•9	002-8	002-9	001-8	001-1	000-6	001-0	001-4	002-0	002•7	003-0	003-8	004-1	004-6	005-2	005+0	004•4	003•7	003•0	1
<u> </u>		1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1015	1015						1016				F
tion	Level)	•51			<u>:ii</u>	•17	-28	•53	•83	•95	•05	•16	•15	•00	-86	-80	•75	•86	•09	•21	• 35	<u>•38</u>	•35	•25	•13	1
1		1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1018	1019	1019	1019	1019	1019	1019	1019	1019	T
Leve	.11	•76			•37	-42	•53						•36	-21			-96	•09								1

72.	ABERDEEN:	Hb:	=	26.0	metres
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APRIL, 1935

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		mb	mb	mb	mb	mb	mb	mb 998-1	mb	mb	mb 001.5	mp	mb	mb	mb	mb 006•5	mb 007•1									004-5
1	. 1	012.2	013.4	013.5	013.5	013.9	013.9	014.4	014-7	015-1	015-1	014-9	014.9	014.8	014-8	014-5	014-8	015-1	015.1	015-3	015-6	015-9	015.7	015.7	016-0	014.7
	3	016 - 2	016.4	016 2	016 - 2	016.3	016-6	016 • 5	016-4	016.3	015-6	015-1	014-9	013-8	012-9	012-1	011-4	010-3	009-8	009-1	008 • 4	007-8	006 • 6	005 • 4	005-3	013-0
	4	004-8	004-3	003-9	003-0	002-3	001.4	001.2	000-3	999 • 8	998 • 9	997-6	997•7	997-3	997-4	997-8	997-5	997-2	997-6	997•7	997-6	997.5	996 • 8	996 • 4	996 • 3	999-5
	5							992.3						991.3	990 • 5	991.8	992 • 5	993.0	993.6	993 8	993•7	993.6	994•2	994.1	993-9	993•0
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	6 .	993•7	993.7	993 • 7	993.9	994.7	995 • 6	996 • 7	998-0	999•3	000 • 3	001.2	001.8	002.5	002.7	003•4	003.3	003-1	003.1	003-2	003-1	003-1	003.1	002.9	002.7	999•8 999•3
	7	002.5	002-0	001.6	001.1	0000-8	000.6	000-6	000-7	000 • 5	000-3	000+3	999•9	999.6	999-1	998 • 7 997 • 0	998 • 3	998.0	997.7	997-4	997•I	990.0	996.1	395.3	994-8	995-2
	8	994 • 3	993.5	993.0	992-5	992-4	992.2	992-4	992.9	993•3	994.0	994-7	995-3	995.9	390.0	987.2	997-2	C97.9	000.5	088.5	088.4	C88.3	991.5	987.6	988.9	989 • 0
	9	995.2	994.1	993.0	991.9	991.4	990.3	989 • 6 972 • 3	988.8	988 • 7	986.3	965.9	060-1	067.3	900-9	966-5	C68-0	080.8	077.9	972.6	G73.6	974.6	975.3	975.5	976 • 0	
	10	985.2	984.3	982.8	980-4	977.5	974.0	912.3	811.0	910-1	910-1	909-3	300 T	307-3	300-0	300-3	300-0	303-0	011	10/20	3,3 ~	514 0	ا ۱۰۰۰	0.00		المسا
1 1	11	975.9	976 - 1	976.6	977.5	978-4	979-2	979-6	980-4	981•0	981-6	982-2	982.8	982-9	983-4	984-6	985-7	987-4	989-5	991-1	993-1	994-4	996 • 0	997.0	997-8	984-3
	12	998 9	999-8	000-5	001-0	001-4	001.8	002-0	002.7	003-0	003-6	004.2	004-8			005-9										004-6
	13	010-2	010-4	010-4	010-4	010-6	010-8	010-9	011-0	011.2	010.7	010-5	010-4			009-3										009-5
Ì	14	005 • 4	004-8	004-5	004.2	003.8	003-9	004-2	004-4	004-6	004 • 7	004.9	005-2	005 • 7	005-8	005+8	006 • 0	006 • 4	006-8	007-2	007•5	007-6	007•8	007•9	007-7	005 • 7
-	1 15	007.5	007-3	007-1	006 • 7	006-5	006 • 3	006 • 2	006 • 1	005+8	005-8	005-4	005-0	004•4	003-7	003-2	002-8	002-2	001.7	001.0	000•6	000 • 6	0000-0	999•2	998-4	004-1
Station	5	ł	l		i	1		1		· ·				l			1				l		Í	l	l	
. t.	16							992-2						986 • 8	985 • 4	983 • 7	982 • 4	981.1	979-7	978 • 5	976 • 9	975 • 0	974.2	974-4	974-0	986 • 4
j,	17	973•3	972-8	972•5	973•3	974.5	975 • 9	977-3	979-1	980-8	982•4	983.5	984-4	985•4	986 • 3	987-2	988•0	988•8	989 • 8	990-8	991.6	992-1	992.5	993-0	993*5	983 • 3 997 • 5
	18							997•3						998 • 5	998.3	998•2	998 • 3	998.3	998 • 5	998.9	998.9	999.0	888.1	999.2	004-6	002-0
	19							000-5						002-6	002-6	002.8	003+2	003-3	003.6	003-9	004-3	002-5	002-4	001.6	001.0	003.7
	20	004.7	004-6	004-6	004.5	004-4	004-6	004•6	004-8	004.7	004 • 7	004-4	004.2	003.9	003-7	003.5	003-0	002.9	003-0	003-0	002.0	002-5	002.4	001-0	OL U	ار دس
	0.7	000.6	000-0	007-7	000-0	005-0	005-0	995•6	005.0	000-0	007-6	007-0	007.0	000.7	000.3	998 • 4	000.3	008.3	008.6	999.7	999-3	999-3	999-6	999 • 7	000+0	998-1
	21 22	000-2	999-0	997-7	001-0	995.8	999.0	002.6	003.1	990.0	004.3	004.5	004.6	004.7	004.9	005.0	005.3	005+5	005+8	006.4	006-9	007-0	007-4	007+3	006-9	004-1
	23	000-2	000-5	000-0	007-6	001-2	002-2	002-6	010-6	011.0	011.6	012-0	012-9	013-7	014-7	015.3	016-1	016 • 7	017-3	018-0	018 • 9	019-5	019-6	020-0	020-1	013-2
	24	007-0	020+4	020-4	020-6	020-7	020-9	021-1	021.1	021-3	021 • 1	021.2	021-3	021.3	021 - 2	021-1	021.2	021.2	021.3	021.6	021.8	021.9	022-0	022-0	021.9	021.2
	25							022-3						023.7	023-7	023-6	023.5	023-5	023.7	023-9	024.2	024-3	024.6	024.6	024-5	023-1
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	26	024 • 3	024 - 2	024-1	023-4	023-5	023-6	023-7	023-5	023.5	023-4	023-4	023.5	023•4	023-3	023-2	023-2	023.3	023.5	023-6	023-9	024-0	023-9	023-8	023 • 7	023-6
	27							023-4						023•8	023 • 7	023-6	023-4	023 • 4	023.6	023.9	024-1	024-2	024.3	024.3	024-0	023-6
	28							024.2						023-6	023-4	023-3	023.3	023-3	023.6	023-6	023-6	023-8	023.7	023-8	023-8	023.8
	29	023-5	023-0	022-6	022.2	022.0	022-0	021-8	021.8	021-6	021.2	021.5	021.1	020 • 7	020-7	020 • 5	020.5	020-4	020.6	020.6	020-6	020-5	020.5	020.5	020-0	021·3 019·7
	30	019.7	019-2	018.9	018.5	018.3	018•4	018•5	018-5	018-6	018-7	019-2	019•4	019.9	020.0	020-3	020-3	020-4	020-6	020.7	020-9	OST-S	021.3	021-3	021-4	013-1
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Mean		1004	1004		1.003	1003	1003	1003	1003	1004	1004	1004	1.004	1004	1004	1004			1005	1005	1005	1005	1005	1005	1005	1004
(Statio	on Level)	•46	•20	•97	•66	•56	•61	•74	•93	•11	•18	-29	•37	•41	•38	•47	•56	•73	•02	-24	•44	•48	<u>•49</u>	•42	•30	•49
. Wa arr		3005	1005	1007	1006	1000	1006	1006	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1008	1008	1008	1008	1008	1008	1008	1007
Mean (Sea L	arra 1 \	1007 •68	1007		1006 •88	1006	1006				•38	•48	•56	•60							•65			•64	•52	-70
/Dea D		-00	-42	-19	- 00	<u>•78</u>	-03	95	-13	-31	- 30	- 40	1 30	1 30	1 3,	1 30	1.5									
	Hour	1	2	3	4	5	8	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	G. M. T.	•	•	٥	*	3		l '	ľ	פ	10		HOOM	13	**	1 20	1 20	"'	1 -	1	~~					
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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.

73. ABERDEEN: Hb (height of barometer cistern above M.S.L.) = 26.0 metres

MAY, 1935

. (Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	14
•	Day	mb	mb	mb	mb	mb	ďm	mb	mb	mb	mb	m b	mb	mb	mb	шþ	mb	mb	mb	Ι.						
Т	ì	021-1	020 • 9	021-0	020-9	020-9	020-9	020-8	021.0	021.0	020 • 7	020.7	020•5	020•3	020-1	020-0	019•7	019-5	019-4	019-1	018.7	018.7	018-2	017-9	017-5	10
-	2	1077.1	1016.0	1076.3	016.9	വടംഭി	015.8	015.7	015-8	015.8	015-5	015 • 4	1015-1	015-0	014.7	1014-0	1013•9	013-7	013-5	013•4	013.4	013.5	1013-4	1013•3	1013-1	10
-	3	012-9	012-7	012-6	012-5	012.5	012-6	012-6	012-6	012.5	012-3	012-4	1012-2	011 • 8	1011 • 7	1011-6	011.5	011-6	011 • 4	011-6	012.0	012-0	012-1	012-2	012.2	10
ſ	. <u>A</u>	การจร	1072.4	012-4	012.4	012.5	012-7	013-01	013-3	013.7	013.9	014-0	014.0	014-3	1014 • 3	1014.5	014 • 5	014-7	015-0	015-1	015.3	015.6	015.7	016 • 0	016 • 1	10
- (5	016.2	016.3	016.4	016.5	016.6	016.8	017.0	017.2	017-5	017-5	017-4	017-5	017.3	017.3	017.3	017.4	017-6	018-2	019-3	019.8	020 • 5	021.0	021-6	022-1	ŀ
-	3	•	t	ł									1 1												1	ı
	6	022.6	022-8	023-1	023-6	024.1	024-6	025·3 029·1	025 • 6	026.1	026 • 4	026 • 5	026 • 6	026 • 7	026 • 8	026 • 7	026 • 7	026 • 6	026 • 4	026 • 6	027-3	027-6	028 • 1	028 • 5	028-6	13
-	7	028 • 3	028 • 4	028-6	028 - 5	028.6	028 • 7	058.1	029-4	030-0	029-9	030.1	030.5	030.2	030.1	030.2	030*3	030.3	030-4	030-7	030-0	001.1	031-3	031.6	031.6	L
- [8	031.6	031.6	031.5	031 • 5	031.7	031.8	031.8	031.8	03T-3	031.3	031.5	031.5	031.1	03T.T	03T-0	03T-0	031.0	030-7	030-7	030.9	031.1	031.3	031-2	031.5	13
١,	9	031 . 2	031.1	031.0	030 • 9	031.0	031.1	C31.0	031.1	030 • 9	030 • 9	030-9	030•7	030 • 5	030-2	030-0	029-9	029.6	029-4	029-4	029.3	029-1	029-0	028-9	020.2	19
1	10	028•1	027.7	027.5	027•3	027-1	026 • 9	026 • 8	026 • 8	027-1	027-1	026 • 9	026•6	026 • 2	026-3	026 • 2	026 • 0	025•8	025 • 5	025•5	025•6	025•7	025•6	025.5	025.5	ľ
1	11	025 • 1	024.6	024.3	023-7	023-5	023.5	023-6	023.6	023-1	022-9	022-8	022.9	022:8	022-9	023-0	022-9	022-9	023•0	023•1	023.4	023-7	023-8	023-9	023-7	ŀ
-	12	023-7	023.8	023-7	023-8	023-7	023-8	023-9	023-9	024 • 2	024•0	023-9	1024•0	023-8	1023-8	023 • 5	023 • 7	023-6	023-7	023-8	024-0	024.1	024.0	023-9	1023-7	1.0
4	13	023.5	022.7	022.4	022-0	021 • 7	021 • 4	021.0	020-5	020.1	019.6	019.0	018-1	017.4	016 • 8	016 • 6	016 • 4	016-6	017-0	017-1	017.3	017-6	018•1	018.3	018.7	и
Š	14	018.8	019.0	010-3	019-7	020.6	021 • 3	022-2	022.9	023.7	024-0	024 - 7	024-9	025.1	025-3	025 • 5	025 • 4	025.5	025 • 7	025 • 6	025-5	025 • 4	025-0	024.6	023-9	
2	15	023-1	022-2	020-8	019-5	017-9	016.9	015-5	014.4	013.4	012.8	011.9	011-2	010.5	009•9	010-2	010•3	011-1	012.5	014-2	015.8	016.8	017-7	018-3	018-7	ŀ
ion	16	010-0	010.0	020-0	030-5	020.5	070.4	018-4	010-1	010.6	017.5	017.4	03.703	016.6	016.0	03440	014-0	013-1	019.3	011.8	011.0	010.7	010-0	009-6	008.9	Į,
6		070.8	010.8	070.0	070.1	070.9	010.4	005 • 7	010-1	010.5	027-3	071.4	005-6	000-0	020 0	000-6	007.2	007.5	000-0	000.6	00044	000.6	010-0	010-1	0.00	
Ÿ	17	008.3	008-0	007.6	007-3	007-0	000.0	005-7	005-7	002.1	002-1	00000	003.0	00000	000.1	00000	007-3	007.5	000-2	000-0	000-4	000-0	020-5	020-4	020-3	1
	18	010-0	010-1	010 • 1	010.5	010.5	010-2	010-4	011.3	011.0	010.8	070-6	010-6	070-2	010.4	0.00	009.9	009.7	009.6	009.6	009.6	009-0	009-5	009*4	070-0	L
1	19	009-1	009-1	008 • 9	008 • 9	008•9	009-0	009-1	009-5	009•5	009•8	010.0	010-2	010.4	010.2	010.7	011.0	011.0	011-0	OTT - %	011-2	012.0	OTX-I	01%.4	015.8	Ľ
1	20	013.7	014.3	015•1	015-6	016.0	016-7	017-3	018-0	018•3	018.7	018•8	019•1	019-5	019•8	020•1	020.6	021-1	021.4	022-0	022-6	023-2	023-5	023•7	023.8	ľ
1	21	023 - 7	023-7	023-7	023-8	023-9	024-3	024-6	024.5	024.7	025 - 1	025•1	024-9	025-0	025-1	025 • 2	025•3	025•3	025•3	025 · 3	025 • 4	025-7	025-7	025-6	025 • 4	ŀ
	22	025.5	025.4	025.5	025-1	024-9	024-9	025•0	025 • 1	025 • 2	024 • 8	024 • 9	024-8	024-8	024 • 8	024 • 5	024 • 3	024 • 2	024 • 5	024•3	024 • 4	024.5	024 • 6	024-6	1024-3	
1	23	024.0	023.0	023.7	023-6	023.5	023-6	023-9	024 • 2	024+2	023-9	023-6	023-6	023.6	023-6	023-6	023.7	023 • 4	023-4	023.5	023-6	024-0	024.1	024-0	024.0	I
i	24	003.0	023.6	022.0	023.0	024.0	024.2	024 • 7	024.8	024.8	024.8	024.9	025-1	025-1	025.4	025-4	025-4	025 • 4	025 • 4	025 • 4	025 • 6	025-8	026 • 1	026 • 0	026 • 0	l
	25	026-0	026 • 1	026 • 0	025-8	025-8	025.8	025-6	025.7	025-8	025-7	025 • 7	025-5	025-4	025-1	025 • 1	024 • 8	024.7	024 • 8	024.9	024.9	024-8	024-7	024-8	024.5	ŀ
1								024-0				000.0	000.0	000.0	002.5	000.7	002.2	002-7	000.7	000.0	002.0	002.2	003.0	003.0	093.3	L
-	26	024.3	024-3	024.3	024-4	024-1	024-0	024-0	U24.1	024.0	023.8	023.9	023.0	023-0	023-7	023-1	023-3	023.1	022-4	002-0	003-0	007-6	001.4	021.0	021.0	L
	27	023-1	022-9	022-7	022-7	022.5	022-5	022-6	022-7	022.7	022.6	022.6	022.5	022-4	025.1	088.1	021.8	05T.0	021.4	02T-2	02T-2	021.0	021.0	000-0	020-0	П
-	28	021.6	021.6	021.6	021.5	021-6	021-6	021.7	021-8	021.9	021.7	021.6	02T • 2	021.4	OST - 5	020-8	050-8	020.6	020.5	019.9	019.9	019.8	020-1	02000	079-9	U
-	29	019.5	019•3	019-0	018-7	018-5	018 • 4	018-4	018-2	018 - 2	018 • 2	018.0	017-8	017-6	017•3	016-8	016-4	016.0	015-6	015-6	015.5	015.8	015.7	012.6	015.4	1
	30	015.1	014 • 4	014 • 1	013-9	013-9	013-9	013-9	013-9	013-8	013-8	013-9	013-8	013-4	013.3	013-3	012-9	012-8	013.0	013.1	013-2	013-4	013-6	013-6	013.7	'
\downarrow	31	013-8	013.7	013-6	013-5	013-6	013-7	014-0	014•1	014-4	014-6	014.7	014-6	014-7	014-5	014-6	014-6	014-4	014•6	014-4	014.5	014-5	014.5	014-6	014-5	ŀ
1		1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1
tion	Level)	•52	•41	•29	•21	•16	•22	•28	•38	•39	•32	•29	•20	•10	•01	•93	-86	<u>-81</u>	•85	•96	•15	•37	•44	•49	•41	ı
1		1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	T
Lev	11	•78		•56	•48								•42						•07							

-Station Le	15 16	999.0 001.7 009.6	998·8 002·3 009·6	998 • 7 002 • 6 009 • 3	998.6 003.0 009.4	998 · 8 003 · 4 009 · 4	999•7 998•8 004•1 009•6	999•6 998•8 004•8 009•6	999•7 998•8 00 5• 4 010•0	998 • 6 005 • 8 010 • 3	998 • 6 006 • 4 010 • 6	998.6 006.8 011.0	998·6 007·0 011·4	999.7 998.6 007.3 011.9 014.8	998•7 007•6 012•1	999•7 998•5 008•3 012•3	999•3 998•4 008•7 012•4	999•0 998•6 008•8 012•8	999•2 998•6 009•1 013•3	999•3 998•8 009•3 013•7	999.8 999.1 009.3 014.0	999•8 000•0 009•5 014•3	999•8 000•5 009•8 014•5	999·2 000·7 009·7 014·7	999•0 001•0 009•7 014•8
	20 21 22 23	010·4 007·0 013·0 017·5	010-0 006-7 012-9 018-2	009.0 006.4 012.8 018.9	008 • 2 006 • 3 01.2 • 8 018 • 9	007·4 005·8 012·9 018·9	006-9 005-8 013-0 019-1	006.1 004.8 012.9 019.2	005·5 005·1 012·8 019·3	005 · 2 005 · 0 012 · 8 019 · 1	004·6 013·0 019·3	004·4 005·0 012·9 019·3	003·7 004·9 013·1 019·3	003·8 005·8 013·3 019·1	003-4 006-4 013-4 019-2	004.0 006.7 013.4 019.1	003-8 007-8 013-3 019-1	003·1 008·5 013·4 019·3	003·6 009·0 013·5 019·6	004.0 010.1 013.8 020.5	010·8 014·6 020·6	005-4 011-6 015-0 021-0	011.8 015.6 021.2	012.5 016.1 021.4	006·6 013·0 016·5 020·9
	22 23 24 25	013·0 017·5 020·5 016·8	012-9 018-2 020-2 016-2	012·8 018·9 019·9 015·7	012.8 018.9 020.0 015.3	012.9 018.9 020.3 015.6	013•0 019•1 020•3 015•6	012.9 019.2 020.1 015.7	012•8 019•3 020•0 015•4	012·8 019·1 019·5 015·2	013-0 019-3 019-3 015-1	012.9 019.3 019.1 014.5	013·1 019·3 018·9 014·3	013·3 019·1 018·3 013·6	013·4 019·2 018·0 013·3	013-4 019-1 017-6 012-9	013·3 019·1 017·4 012·0	013·4 019·3 017·3 011·8	013·5 019·6 017·2 011·5	013-8 020-5 017-1 011-3	014.6 020.6 017.4 011.5	015.0 021.0 017.5 011.5	015.6 021.2 017.5 011.2	016·1 021·4 017·2 010·2	016 • 5 020 • 9 017 • 0 009 • 8
		016 • 8 009 • 5 006 • 5 012 • 4	016 • 2 009 • 4 006 • 6 012 • 6	015•7 009•0 006•0 013•2	015•3 008•5 006•0 013•6	015•6 008•4 006•1 014•2	015.6 008.3 006.4 014.6	015•7 008•4 006•7 015•4	015•4 008•1 006•7 016•4	015 • £ 007 • 9 006 • 9 017 • 2	015·1 007·8 006·8 018·4	014·5 008·0 006·8 019·1	014·3 007·8 006·7 019·9		013·3 007·1 006·9 021·8	012.9 006.6 006.8 022.4	012 • 0 006 • 4 006 • 8 022 • 8	011-8 006-2 007-6 023-1	011·5 005·9 007·9 023·3	011·3 006·0 008·7 024·2	011·5 006·0 009·9 024·6	011·5 006·0 010·8 025·2	011·2 006·1 011·4 025·0	010 · 2 006 · 5 011 · 8 025 · 0	009·8 006·5 012·1 025·0

75. ABERDEEN: Hb (height of barometer cistern above M.S.L.) = 26.0 metres

JULY, 1935

	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	ш	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
	Day	mb	mb	mb	шb	шb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	١.
1	1 _	018.5	017-9	017.5	017.2	016.9	016 • 7	016•4	016 • 3	016•1	016 •0	015.8	015•3	014-5	014-0	013.7	013-5	OT3-5	013.1	012-7	012.6	012.4	011.6	011-4	011.5	C
-	2	010.7	010.4	009•6	009•3	009 • 5	008 • 9	8-800	008+8	008•4	007•9	007•5	007•2	007-1	007-2	007•4	007-8	008-0	008 • 5	008 • 7	009-2	010-0	010 • 4	011-1	011.7	1
	3	012-6	012.9	013•4	014.0	014-8	014.9	015•4	015.4	015.2	015.3	015•3	014.8	013-6	013.3	012•7	012.6	012-5	012.0	010-7	009-7	008•3	006 • 5	005•4	004-8	ı
1	4	004.7	004-6	00/47	004.0	004.5	004.5	004+51	005.5	005.9	006 • 7	007.2	006 • 9	007•6	1007-7	1007-6	l007•8±	007 • 7 1	008 • O I	008•1	1008 • 2	I 008 • 4 i	1008-2	1008 • 3	1007-9	
	5	007•6	007•3	007•2	007-1	006 •6	006 • ೩	006 • 7	006 • 7	006•4	007•0	007•2	007•4	007-5	007•7	008•2	008•6	009•2	009•8	010•5	010-7	011•4	011.9	012-5	012-7	ı
	6	013•0	013-2	013-2	013•3	013:6	013-6	014-5	015.5	015-6	015-8	016-2	016•6	016.9	017•0	017-2	017-7	018-0	018.7	019•1	019•4	019-9	020•3	020-5	020-8	ł
-	7	090.7	090.7	020.7	020.7	020.7	020.8	l nen•gi	021 • 1	1021.1	1027 • 41	021 • 4	1021 • 5	021•4	1021 • 3	1021•2	1021•1	020+8	020 • 7	020•3	020 1	1020-6	020 • 7	1020•3	1020-2	ı
1	8	020.0	010.7	010-6	010.5	03004	010.5	l ∩1a•1 l	019.1	ล•ลเกไ	018 • 7	018 • 5	M18•3	018•2	1017-6	1017-2	1017-0	016 • 9 I	016 • 8	016 • 4	016 • 4	016•4	1016 • 4	1015-9	101.5 • 8	ı
	9	075.2	014.0	014-4	034-2	074.4	014.5	^12.a	013.8	013.5	ไกาจงย์	013.2	013-1	012-8	012.7	1012•2	1012•01	012-21	012-2	012-1	1011 • 9	1011-8	1011-7	1011-6	1011 • 5	ŧ
	10	011.5	011.3	011.5	010-9	010-5	010-5	010-7	010.8	011-4	011.7	011.7	011.6	012-2	012-5	013-2	013-7	014•4	015-1	015•5	016 • 0	016.7	017-2	017-8	018•1	Í
	11	018-5	018•9	019+3	019•8	020-2	020 • 4	021-3	021.8	022•1	022 • 7	022-9	023-0	023-2	023-2	023-2	023-1	023-1	023•3	023-2	023•3	023-4	023-2	023-2	023-2	l
-	12	002.0	000.5	000.3	001.0	A. 100	001.0	l not • Gl	091 • 8	097.0	1027 • 4	020+9	020 • 9	020-6	1020 • 31	1020•3	1020 • 2	020 • 0 1	019-0	019.1	018•9	10T8 • 8	10T8+8	10T8 • 6	10TR+X	•
4	13	017.7	017.1	016.0	016.8	216.5	016.7	1016-71	016.2	เกาล•า	1016-11	015-9	015•8	016-0	1016 • 0	1015-9	1015•8	015-6	015-8	016 • 2	1016•9	1018•0	018 • 7	1018-9	1019•3	
Š	14	010.4	010.7	020.5	020 0	020.7	021.9	021.3	021.7	021 • 8	022.1	022.3	022-6	023-1	023-0	022 • 7	022.7	022.8	022-7	023-0	022 • 9	022 • 6	022-6	022-5	022.0	ı
Level	15	021.9	021.3	020-8	020-5	020.0	019.7	019-2	018.7	018-1	017.5	017.4	016.4	015.9	015.5	014.5	014'-1	014.0	013-9	013.5	013-8	013-6	013.6	013.5	013-2	١
Station	10	010.0	010.5	019-0	011.0	011.0	013.7	011.6	031.4	010.6	010.3	000.0	000.6	009•7	009+5	000.3	008.9	008.7	008•7	008+6	008•6	008-7	008 • 7	008-6	008-0	l
Ē	16	012.0	012.0	000-0	011.0	077.0	000.3	005-0	005-7	010-3	010-3	005.5	005.0	004-8	000.0	005.4	005.4	005.3	005.4	005-3	005 • 5	005 • 5	005-4	005-1	004 • 9	ł
\bar{S}	17	007.5	007-4	000 5	000-4	000-4	000-3	000-4	000-7	003-0	003-3	003-2	000-2	000-1	004.0	000 -	000	000	000 2	000 5	000	000.5	000.2	000.2	000.2	L
1	18	004.4	004-1	003.7	003.2	003.T	002.6	002.4	002.0	001.2	001.3	001-0	000-7	999•6	000-2	0000	0000-5	000-0	2-000	000-6	000-2	000-2	000-6	005.7	000-2	ı
1	19	000.1	000+1	000 • T	999•9	999-9	999.9	000.1	0000-0	999•9	0000-0	999.9	999•9	999.6	999•2	998.9	996.5	990.3	990-0	000.4	000-1	000-0	990-5	000.0	001.6	l
	20	1 1						1 1		1	l i	1	1	993•5			3						,		1	1
	21	001.6	001.9	002+8	003+3	003-9	004-9	005-9	006 • 4	007-0	007•3	008-1	009-1	010-0	010-5	011-2	012-0	012-5	013-1	013.5	014-6	014.9	015.4	016.0	016 - 2	ı
	22	016.5	016.7	016.7	016.7	016.6	016 • 7	1016-7	016.6	016.5	016-1	015.9	015.5	014-9	014•8	1014-6	014 • 4	O14•7	015-1	015•3	015•4	015-7	015-8	1016-0	1016 - 2	Ł
1	23	016.1	016-0	015•9	016-0	015-8	015.8	015-6	015-6	015 • 3	015.1	014-9	014-7	014-6	014 • 8	014-8	014.6	014•9	015-6	016 • 2	016-2	1017-2	018.0	018 • 8	019.0	ı
	24	03.0 • 4	010.6	020.0	020.4	020.9	021 • 5	೧୭୭ • ೧	022-3	022-8	023 • 1	023 • 1	023-1	023-0	023.0	1022-9	1022 • 8	022-81	022.6	022-6	022•6	022-5	1022-2	1021.9	1021-2	
	25	020 • 8	020-2	019-8	019-6	019.5	019-1	018-8	018-3	017-9	018-0	017-3	016•9	016 • 4	015-9	016 • 2	016-1	015.7	015•2	015•9	015-6	015-6	015-8	016 • 2	016-6	١
-	26	016.8	016.7	016.6	017.5	017•3	017•7	017.5	017-6	017-3	016-9	016-9	016-4	016-2	015-1	014•4	013-8	013-2	012•3	011 - 2	010-6	009-7	008-8	008-0	006 • 5	ı
Ť	27	070-0	020-1	070.2	003.6	003.0	002.5	002.0	002.1	001.5	001.5	000.0	000.5	000-4	000-3	000-0	999 • 7	999•8	000.0	000 • 4	000-5	001.1	001.3	001.5	001-7	ı
1	28	000-0	003-0	000-0	003-0	003-0	002-5	002-0	002-1	003.0	004.0	005.0	005.5	005 • 6	005.7	005-9	006-3	006 • 8	007-9	008+0	008-7	009 • 7	010-5	010-6	011-1	ı
		001.8	002.0	010-1	010-6	010.0	012-0	012-0	014.2	003-9	075-0	075-7	000-0	016 • 2	036.4	016.3	016.8	016.8	016.9	017-0	017-3	017.4	017-7	017-9	018-0	ı
	29 30	016*1	01100	018-2	016-3	012-9	018-8	019-1	014-3	014-7	019.7	020-0	010-2	019-7	019-9	019-8	019-9	019-7	019-8	019-9	020 • 3	020-3	020 • 4	020-9	020-9	1
1	30			l						l	1	}	i :				1								i i	I
\downarrow	31	020•7	020•4	020-0	019-8	019•8	019-5	019•6	019-5	019-5	019-2	019-2	018•9	018•8	018•8	018-2	018•0	017-8	017•5	017•6	017•3	017-2	017•1	017•0	016.9	
1		1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	ı
	Level)	-98					-66		-86				•78	•72	-64		<u>•60</u>	•64	•75	•80	•91	•06	•09	:12	•02	l
1		1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	Ť
Lev	ro1)	•14											-89	•83	•75	•72	•71		-87							

																		1								
76.	ABERDEE	N: H	b = 2	6•0 m	etres																		A	UGUST	, 193	5
	Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb 03.6.0	mb 016•2	mb	mb Olose	mb 016									
1	1	017-0	016.6	016.5	016.5	076.5	016.5	016-4	076.3	010.1	016.5	010.5	070.5	020-6	070.1	076.0	012.8	0.00	010.4	070.3	017.9	020*4	020-4	010-8	020-4	020
- 1	2				020-1								019.5	019-3	020-7	018.7	018.4	018•0	020-2	017-9	018-1	018-0	017.8	017-7	017-5	019
	4													014-7												
	5	016.3	016 • 4	016 • 9	017-3	017-4	018-2	018-7	019-2	019-6	020 • 0	020-1	020-2	020 • 3	020•4	020-8	021.0	021.1	021.3	021.5	022-0	022•4	022-7	022-8	022-9	019
	- 6	023-1	023-3	023-5	023-6	023-8	024•2	024-4	024.5	024.5	024-6	024-4	024-4	024-0	024-0	023.•7	023•4	023-1	023•0	022-9	022-9	022-9	022-6	022-2	021-6	02
- 1	7	021.1	020-9	020 • 3	019-9	019-5	019-2	018-7	018-6	018 • 2	017-6	017-3	017-0	016 • 5	016 • 0	015•3	014.3	013•9	013-2	013.0	013.0	013•1	012.7	012-5	012-2	Oπ
- 1	8	011.5	011-2	010-7	010-3	009+9	009-8	009-8	009•6	009+6	009•3	009+2	009-0	009•3	010-0	010-2	010-4	010-9	010-8	010-7	010-8	011-0	010-8	010 • 7	010-5	010
Į.	9	010-2	010-1	009-7	009+8	009-6	009-9	010-1	010-4	010-3	010-3	010-2	009-9	009-7	009•7	009•7	009•3	009•4	009•0	009-1	009 • 5	009 • 4	009.3	009-4	008 • 9	009
	10	008-9	008 • 7	008+2	007•7	007•3	006 • 7	006-8	006 • 1	006 • 1	005-6	005 • 2	004•8	003•6	003•7	003•7	003•0	002-9	003•3	003•0	003.1	003-1	003.5	003*3	003-5	005
	11	003-2	003-1	002-7	001-8	001-2	000-3	000-3	001-1	002+9	004-3	005-2	005-1	Q05·5	005•8	005•8	006 • 2	006-0	006∙೩	006+0	006∙2	006 • 6	006 • 5	006 • 4	006-1	00
1	12	005•8	005-8	005 • 9	005-9	006 • 2	006 • 7	007-1	007-2	007-8	007-9	008-1	008-9	009-6	010-1	010-5	010•6	011.3	011.8	012.2	012.5	012-7	012.9	012-8	012-9	00
اج	13													009-3												
Level	14	009•3	009-1	009•1	009-1	009-1	009•4	009-6	009-8	010-0	010-3	010-3		010-4												
		012.5	012-5	012•5	012-7	013-0	013-1	013-5	013-6	013-6	013•6	013-8	ì	013.9	l	l		ì	i .			ĺ	1		1 1	1
Station	16				014-6									014.9												
Sta	17												015.2	015•0	015•1	014.7	014-6	014-3	014•4	014.4	014-5	014.6	014.5	014.2	013-8	01
T	18				013.0								012.7	012-6	012.2	011.8	011.6	011.5	011.5	011.5	011.8	011.8	011.8	011.6	011.5	01
	19	011.3	011.3	011.1	011.0	011.2	011.2	011.3	011.5	011.6	011.7	011.7	011.8	011.7	011.2	010.8	010-4	010.5	010.5	010.8	011.4	011.9	012.0	012.4	015-3	01:
1	20	012.4	012.5	012.5	012.0	012.8	013.3	013-6	013-6	013-6	013.9	013.6		013•9	İ				1							
	21				010-8								8•300	006•1	005-0	005•3	005•5	005•8	006 • 8	008-1	009-3	009•8	010-6	011.0	010-9	00
	22	011-4	011.4	011-1	010.9	010-9	011-1	011-3	011.3	011.0	010-7	010.2	010.0	009-6	009-1	008 • 5	007•7	007•5	006-8	006 • 8	006 • 7	006 - 5	006 • 4	006 • 5	006 • 3	009
1	23	006 • 6	006 • 8	006 • 8	006 • 9	007-2	007-4	007-8	008-1	008-2	008 • 5	008 • 7	008+9	009-2	009-2	008 • 9	008 • 8	009-1	009-4	010-1	010-3	010-2	010.6	010-8	010.9	008
	24 25													012-4	012-4	012.3	012.7	012.9	013-4	013.5	014.4	017-6	079-4	000.0	072.4	012 013
1	ຜ			-	016-2													i i					i .		007-2	1
- 1	26												999•0	999•3	999-4	999-2	999•1	998 • 9	998•7	998 • 2	997•3	996 • 4	994.9	993 • 7	992-3	999
	27				989-2								991.6	992 • 2	992-8	993.0	993.6	993-6	993-8	993.9	994.3	994.7	994-9	994.9	994.9	99
- 1	28				995-1								994.9	994-8	994-6	994.2	993 • 7	993-2	992-6	993.1	992-6	991.7	99T•T	990-8	990-4	994 991
	29 3 0				993·0 995·9								999•3	999•7 997•5	999-6	999•4	999•7	999.6	999.7	999•4	997-8	997-9	997-9	998.0	998-0	99'
	31	998 • 0	997•9	997-6	997-6	998-0	998•2	998 • 5	998•9	999-2	999•5	999•7	999•8	000-0	000-2	000-3	000-6	000-8	000-8	001-5	002-0	002-1	002-5	002-8	003-0	999
lean	······································	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1010	1009	1009	1009			1009	1009	1009	1010	1010	1010	1009	1009	100
	on Level)	•08	-90				•61	•71	•80	•92		•00	•98	•96	•93	•81	•70	•66	•71	•83	•03	:10	•03			
ean ea Le	evel)	1013 •22	1013 •05	1012 •85	1012 •68	1012 •65	1012 •75	1012 •84	1012 •92	1013 •03	1013 •11	1013 •11	1013 •09	1013 •07	1013 •04	1012 •92	1012 •81	1012 •77	1012 •82	1012 •95	1013 •16	1013 •24	1013 •16	1013 •09	1012 •90	101
	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mes

77. ABERDEEN: H_b (height of barometer cistern above M.S.L.) = 26.0 metres

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G.	Hour M. T.	1	- 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
_	Day	mb	шb	шþ	шb	mb	mb	mb	mb	1																
T	i	003-4	003-6	003+8	004+0	004-1	004-7	004-9	005-1	005-2	005-3	005 • 4	005-3	005 • 4	005 • 4	005 • 5	005 • 4	005-2	005-0	005-0	004.6	004.2	003-6	002-8	001.7	00
- 1	2	000+8	999 • 4	998 • 3	997-3	995-9	994-9	294.5	994.1	993-8	993-7	993•1	993-0	992-6	992.1	991.8	991.7	992•0	992-2	993-2	994 • 4	995-1	995-8	996 • 7	997-5	9
	3	998•0	998•0	998 • 9	999.2	999 - 5	999 • 6	999-6	999 • 8	999 • 6	999-6	999 • 4	999-3	999-1	998-9	998-6	998 - 5	998 • 3	998 - 3	998 • 4	998 • 7	998 • 7	998 • 6	998 • 5	998-3	9
	4	997.6	997.6	907.6	996.9	998.8	GGE . 5	996.4	996.5	996.5	996 • 2	996 • 1	996 • 1	996 • 3	996-3	996 • 3	996 • 2	996-4	996 9	997-1	997 - 5	997-8	998 • 1	998 • 3	998 • 8	13
- 1	5	999.2	999.7	999.6	000.4	000.9	001 • 3	001-6	002-0	002-4	002.7	002-9	003-3	003-4	003.5	003-5	003-7	004-0	004 - 5	005-0	005-4	005-6	006 • 2	006-6	006 • 7	L
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	6	006-8	006-9	007-4	007-9	008-3	008 • 7	009-5	010-1	010-9	011-9	012-5	013-2	013.6	013-8	014.3	014.9	014.9	015-6	016.5	016.9	017.4	017-9	018-1	018-1	
	7	018.3	018.5	018-5	018.7	018.8	019-4	020-0	020-3	020.3	020-6	020.5	021.5	021-2	021.4	021.3	021.4	021.3	021.7	022.0	022-5	022.5	022-8	022.9	022.7	
- 1	8	022.6	022-3	022-1	022-2	022.2	022.3	022.5	022-4	022-4	022-5	022-2	022.1	021.9	021-6	021.4	021.2	021.2	021-4	021.2	021.5	021.2	021.3	021.2	021.2	9
	9	021-1	021-2	021.2	021-3	021.3	021.3	021-6	021.9	021.9	022-1	022-2	022-2	022-0	021.8	021.7	021.6	021.5	021.7	022-0	022-2	022-3	021.9	021-9	021.7	(
	10	021-5	021.3	020 • 8	020-6	020-4	020-2	019-9	019-8	019-3	018-9	018 • 4	018•1	017•8	017-6	017-3	017-3	017-0	016-8	016-5	016-1	015-9	015-4	014.8	014.2	ŀ
										070 0		030.6	200.6	000.0		000.0	اممما	000.7	000.5	000.0	000-0	000.4	005-0	005.5	007.5	1
	11	013.6	013.0	01%-2	015-1	011.8	011.4	011.1	010.8	010.6	010.3	010-2	009-9	009 • 8	009-7	009-3	009-0	000-7	000-5	000-0	000-0	000-4	007-9	007-7	007-3	L
- 1	12	007-3	007-1	006 • 8	006 • 4	005-9	005 • 7	005-4	005.2	005.0	004.6	004 • 4	004-0	003-2	002.3	001.5	000.2	999.8	999.5	998.3	997.7	997.3	996.4	995.6	992.1	Ľ
ē	13	994-4	993•3	992-8	992•2	992.4	992-8	993•3	994.0	994 • 7	995•2	995.5	995-6	995 • 8	996 • 4	996.5	996 • 9	997.0	997.6	997-9	998 •0	998-1	998.3	998.2	997.7	13
စ်	14	997•4	996 • 6	995 • 7	995•0	994.3	993.0	992-6	992.0	992-1	992•0	991.7	991.5	991-0	990•6	990•6	990-8	991•1	991.9	992-7	993.6	993.7	994.5	994.3	994.3	13
-	15	994•6	994•7	994•7	993-9	993-6	992•8	991•8	991.5	990-0	989-4	988•3	986 • 9	985•9	984-9	983•8	982-3	982-3	981.9	981-6	981.6	981.2	981-0	981.0	980-9	Ľ
Ę.	16	090.0	080.8	980.7	980.7	207.0	980.8	990-9	987.7	981.6	382.0	982.8	982.6	982•6	982.6	982.9	982-5	982•0	982-5	982.2	981 • 5	980 • '7	979•4	978•0	976 • 3	1
ta.	17	074-0	200-0	027.5	020-7	201-0	064-8	064.9	201-1	064.7	065-1	026-1	327.5	969 • 4	970.4	979.9	973.5	975.0	976.0	377.1	277.9	978 • 7	979 A	980-4	987 - 5	L
ၯ	18	974.2	220-0	000-4	200.0	200-0	204-0	204-6	002.5	204-1	200-7	000-7	000-5	991.3	001.7	009.2	002.0	003-6	003-6	002.0	994-0	999.8	000.1	300-3	399.3	13
		90% - %	982.0	983*4	963.7	984.4	905.0	986 4	901.0	300-2	909-0	3031	990-3	974.7	00T-1	002-0	252-0	200-3	000-0	000-3	001.9	001.0	000-7	990-3	005.0	
	19 20	985-9	962.3	979-3	975-7	973.0	971.4	971.7	972.8	973-5	000.0	000.0	007.0	002-4	003.0	970-0	004.6	005.8	006.9	007.9	901-3	000 * 8	010-6	011.9	012.2	L
	الم	500-2	901-3	909-2	990-9	352-4	353-0	995-1	991-0	990-9	000-0	000-3	001	002.4	003 ~	003.0	004 0	000	000 3	50, 3	000 5	000	010	- L		Г
	21	012-7	013-1	013-4	014-0	014-3	014-7	015.3	015-3	015-8	016-0	016 • 1	016-0	016 • 1	015-8	015.6	015-2	015.0	014-7	014-8	014-6	014.3	013-6	013-3	012.6	1
	22	012-2	011.4	010 • 4	009-6	008-7	008-1	007-6	006 • 9	006 • 4	005-5	005 • 4	004-5	003-5	003-0	001.7	002-3	001.8	001.5	001-4	001.4	001.2	001.3	001.5	001.6	(
- [-	23	001 • 4	001.3	001.0	000-6	000-6	000+8	001.6	001.9	002-5	003+3	003 • 7	003 • 7	004 • 4	004.5	004 • 7	005 • 1	005-6	006-1	007-0	007-5	007.7	007-7	007.7	008+0	1 (
- 1	24	008-0	007+9	007-8	007-8	008-0	008-0	008 • 2	008-2	008:3	008 • 0	007-8	007-6	007-2	006 - 5	006:2	005 • 8	005-4	005 - 5	005-5	005-8	005-6	005-6	005-7	005+8	
- 1	25	006-1	306-3	006-0	006 - 3	006 • 6	007.5	008-0	008-5	009•0	009-4	009-6	009+8	010.0	010.5	011.3	011.6	012.3	013-2	013•4	014.0	014.0	014-3	014.3	014.2	ŀ
							27.4.0	07.0.0		27.0 =	220.0	230 5	077.0	027.3	010.5	000.7	000.3	207.0	207.0	200.0	000.0	205.1	204.4	002-4	200.7	L
- 1	26	014.6	014.3	014.3	014.2	014.3	014.2	013.8	013.6	013.2	015.8	012.2	10TT.8	011.1	010.2	003.1	000.1	007-6	007.2	006-9	000-2	002-1	205-0	005-4	204-0	1
- 1	27	002-3	00T • 2	001.5	000.9	000-5	000.8	001.5	00T • 3	001.2	00T-8	00T-8	001.8	002.0	002.5	002.5	002.8	003*0	1003-7	004-1	004.6	004.9	005-0	005.0	004.9	L
	28	005'-0	004-9	004-7	004-4	004-0	004.1	004.0	003.9	202-8	003.3	201-1	000-3	998 • 2	998 • 9	996 • 4	996.5	997.0	998.1	998-6	999.6	999-9	000-5	000-7	001.5	Ľ
- 1.	29	001.4	001.2	001-7	001.8	002.1	002-5	002.7	003.1	003.3	003.0	003.0	002.5	001-8	001.3	0000-6	999.6	999.T	998.5	997.2	996 • 4	995.8	994.9	993.7	992.9	13
•	30	992-4	991.7	990-6	989-7	989.1	989.2	989.1	988 • 8	989 • 0	989.0	988-5	987-9	987•5	987.4	987-1	987-0	987.0	987-0	987*0	986.9	987.0	986.9	986.8	986-7	1
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tion	Level)	-08	•70	•41	•16	•01	-02	•17	•34	• 45	•56	•54	•48	*37	-27	•18	•19				•00	•95	•94	•83	•70	
m		1005	1004		1004		1004			1004	1004		1004	1004	1004	1004	1004	1004	1004	1004	1005	1005	1005	1004	1004	1
Leve	1)	•23	-85	•56	•31	•16	•17	-32	•48	-58	-68	-65	-59	•48	•38	•29	•30		•68		-14	•10		-98	-85	П

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	A CONTRACTOR OF THE SECOND				4. 4	

OCTOBER, 1935

 	Day	mb	mb	mb	mb	mb	mb	шb	mb	шb	шb	шþ	mb	мb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	мb
1 1	N i							988-0						991-8												991.0
	2							991.2						986-9	986 • 2	985-6	984-6	984-3	984-1	983-8	983-6	983-3	983-0	982.8	982-6	987-9
	3							982-7																	986 • 5	984-1
	4							988.1						990-8												989•7
1	5	990-6	990-5	990-1	989-7	989.8	989.9	990-0	990-1	990-3	990 • 4	990-2	990-1	990-2	990-1	990-1	990•0	990-3	990•5	990 • 5	990・4	990•5	991.1	991.6	991.8	990•3
	6	999.4	993.0	003.4	994.0	995.0	998.0	997-2	008.5	999.7	000.5	001.3	001.7	002-5	003.0	003.4	004.3	005.0	005.0	006.2		006.0	007-1	007.9	007.3	000+9
	7							006-9						004.0												003-7
	8							989-9																	992-9	
	9	992-9	992-9	992-6	992-6	992-6	992.7	992-5	992.4	992.5	991.9	991-8		991.1	990 • 5	989.7	988 • 8	988-0	987.2	986 - 2	985-1	984-4	983 • 4	982.7	981-4	989-7
	10	981.0	980•0	979-6	979-4	979-5	979-6	980-0	980-5	981.0	981.0	981.3	981-6	981.9	982-1	982-9	983-7	984-7	985•8	986 • 5	987.7	988•3	989-1	990.0	990-8	983-1
-	11	997 .4	901.8	C09.3	002.6	995.9	003.0	994.6	005.2	006.3	006.0	997.6	008.0	998 • 5	GGR.G	000.1	C00.7	000.0	001.4	000.0	003.0	002.7	004.4	005.0	005.3	997•9
	12							008-4						007-8												008-3
ا	13							012.7						011.9												
2	14	001.2	001.9	002-9	003-7	004-9	006 • 3	007-7	009-0	009-4	010-0	010-5	011.0	011•3	011.7	011.7	012-1	012-4	012-6	012-5	012-6	013-1	013-1	013-0	012-9	009-2
1	15	012-7	012.7	012-5	012-4	012-3	012.5	012-5	012-3	012-2	012.0	011-4	010-6	009•3	008 • 4	007-9	007-2	006 - 5	006-3	006-1	006-1	006 • 4	006-8	006-9	007-9	009-8
Station	16	M8.5	000.6	000.0	000.6	000.5	010.0	010-9	012.4	012.7	10220	012.2	0124	013-1	012.5	0124	012.4	03.4.2	034-5	074.6	014.7	014-0	07407	03 5-0	035-0	012-4
15	17	014-9	014-0	013-1	011-9	010-0	010-2	003-8	001.3	000-8	002.5	003.5	004-7	004-4												006.5
Ϋ́	18	007-7	009-1	010-2	011-1	011-4	012.0	013-0	013-2	012.9	012-3	011-1	009.7	007-6												001.0
	19							956 • 9						966 • 9												970-1
	20	992-5	994-1	995-9	996 • 8	998•1	999-1	000-9	001-7	003-0	004-0	004-8	004-9	005•4												002-9
	21	006-7	006+5	008-4	008-2	006.5	006-3	006-4	008-7	008.7	008+7	008.7	006.7	006-5	006.7	006.0	007.4	008•0	008.7	009-7	000.6	000+8	010-2	010.4	070-8	007•5
	22							010-5						009-8												009 • 7
l	23	006 - 9	006 - 2	005 - 7	005-1	004-7	004.2	004-0	003-6	003-3	002-9	002-4	002.0	001.4												002-7
ļ	24							004-5																	010-9	007•0
	25	011-1	011-0	011-1	011-5	011.6	011-7	012.0	012-4	012-6	012.6	013-0	013-0	012-9	013-0	013.0	013-2	013.7	014.0	014-3	014.2	014.3	014-2	014.0	014-1	012-8
i	26	014-2	013-4	012-6	012-2	011-0	010-5	009-8	009-2	008+3	007-4	006+2	004+9	004.0	002-5	002+4	004.2	003-9	004-1	005+3	005+3	005+8	005+6	005+4	005+3	007-4
- 1	27							001-8																	998-3	
[28							006-0						009-5												005-9
	29							996-1						989 • 9												993•3
	30	990.0	989•7	989•4	989-2	988•7	987•8	986 • 4	983-6	981.2	977-8	976 • 6	975 • 4	9 75 · 5	975.0	974-4	973-8	973-6	973•8	972.4	972-1	972•0	971.7	972-2	972-3	979•3
1	, 31 '	972-2	972-6	972-8	973-5	973-8	974.3	974-5	975 • 7	976 • 1	976•3	977-0	977-3	977 • 5	978-0	978 • 4	978 • 8	979•0	979•1	979-0	980-0	980-5	981.3	982-5	983•3	977•0
Mean		998	998	997	997	997	997	998	998	998	998	998	998	998	997	997	997	997	998	998	998	998	998	998	998	998
(Statio	on Level)	•25	•12	•99	•95		•92	•06	•16	•32	-27	•31	•19	•10	•98	•93	•97	•99	•15	•14	•14	•18	•18	-18	•17	•11
Mean		1001	1001	1001	1001	1001	1001	1001					1001		1001				1001	1001	1001	1001	1001		1001	1001
(Sea Le	eveT)	•43	•30	-17	•12	<u>•07</u>	•10	•24	•34	<u>:48</u>	•42	•46	•34	•24	•12	•08	•12	•15	•31	•30	•31	•35	•35	•35	•34	•27
	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	n	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	Hour									_		 											<u> </u>		\vdash	

NOVEMBER, 193

^	Day	mb	mb	mb	mb	mb	mb	шþ	шþ	mb	mb	mb	mb	mb	шр	mb	mb	mb .	mb	mb	mb 000-0	mb	mb	mb	mb	m 99
	ì	984•5	985•6	986 • 6	987∙8	988•9	989•5	990 • 6	991.8	993.2	994.1	995•1	995 • 2	995 • 6 000 • 4	995-9	996 • 2	996 • 8	997.3	998 · T	999•3	000-0	00E+3	002.3	003.5	004-6	00
Į.	2	005•6	005 • 9	006-0	005-8	005-9	005 • 9	005-6	005-1	004-9	004-3	003-1	001.4	000-4	000-7	001.0	000.0	002-6	003.0	004-2	004-4	003.5	000-0	000-3	000-0	
- 1	3	007-4	007.6	008 • 4	008•6	009 • 5	009•4	009 • 5	009-9	009-9	009.5	009*0	000 • 4	007-9	000-1	998•6	000-7	000.2	999	999.5	004-4	998 • 9	998.6	998•4	998-1	
	4 5	997-9	997.9	997-8	000·5 997·3	997-5	999.8	999.6	997-6	997•7	997•4	997-2	997-0	996 • 5	996.3	995•9	995 • 7	996 • 0	995•9	995.9	996 • 0	995 • 9	995 • 7	995•7	995•4	
	6	995•2	995•5	995•6	996•0	996 • 5	997•6	997•5	998-2	998•6	999•0	998•9	998•8	998-8	998•7	998•8	999-4	999•5	999•8	999•7	999•8	999•8	999•8	999•5	999•5	99
	7	999 • 5	999 • 5	999 • 5	999-3	999-4	999 • 5	999-6	999 • 9	0000	999•9	999-7	999•4	999•0	998•9	999-1	999•1	999•1	999-1	999•1	999•0	998 • 7	998 • 4	998.0	997-6	99
- 1	8	997•0	996 • 6	996 • 2	995 • 9	995 • 6	995 • 2	994 • 9	994.8	994.3	993•8	993•3	992•7	991.8	991.0	990•5	990.1	990-1	990.0	989•8	990 • 0	990 • 2	990•4	990-5	990 • 7	99
- (9	990 • 5	990 • 6	990 • 7	990 • 5	990 • 7	990.9	990 • 9	990 • 9	990 • 7	990 • 7	990•8	990 • 7		990 • 5	990•5	990 9	991.4	99T-6	992.0	992-1	992 · I	992.0	99T-9	992.4	99
1	10								1		1		999•9	i		000-7								i		1
	11	001-1	000-7	000 • 4	000-2	999-9	999-7	999•5	999•3	999-2	999•2	999-1	998 • 7	998•4	997-9	997-8	997•4	997•4	997-1	996 • 9	996 • 6	996 • 1	995 • 5	994•7	994.0	99
- 1	12	993 • 0	992-1	991-0	989-8	988 • 9	988-0	987-2	986 • 8	986 • 4	987•0	987•8	988•6	989•7	1990•3	991•3	991•6	992 • 8	993.5	994.3	994.9	995.4	995.6	995 • 7	995*7	93
vel-	13	995 - 7	995 - 7	995 • 6	995 • 7	995 • 6	995 • 8	996 • 2	996 • 3	997.0	996 • 9	997•0	996 • 8	I 996 • 6	1996 • 6	1996•5	1996 • 3	996 • 4	1996.6	996 • 7	990 • 7	990 7	פיסשפן	990.0	י פיספפן	93
بة	14	996 • 6	996 • 5	996 • 4	996 • 1	995•6	995 • 0	994 • 6	994 • 0	993 • 7	993•7	993-0	992 • 6		993•3	994 • 0	995 • 0	995 • 7	996+3	997•3	997-9	998-4	998.5	998.6	998-9	99
] Ľ	15	1	1	i								f	991•3	ŀ		991.8	ł								1	ı
¥t;	16	994.5	994 • 5	994-4	994-3	994-0	993-8	993-9	993 • 7	993 • 7	993-6	993•3	992-9	992•7	992-6	992-7	992-8	998-1	993•4	993 • 7	993-8	994-1	994•4	994-7	994-6	9
Š	17	994-6	994-6	994 • 5	994•3	994-6	994 • 6	994 • 7	994 • 6	994.5	994 • 2	993-8	992-9	992-2	1991 • 7	1991 • 6 :	1991 •6	199T • 2	1991•7	1 33T • 71	992.0	992-2	992.5	322.5	226.0	7
Ĩ	18	992 • 2	992-3	992 • 5	992.5	992.7	993.1	993.5	993 • 8	994.2	994.2	994.0	994.2	994•4	994.8	995.4	1995 • 91	1996 • L	996 • 5	1997•11	997 • 41	997.7	997-91	330 2	990.0	1 3
1	19	998 • 5	998 • 8	000.1	000.0	000.4	999.8	اعممهدا	เกกกะย	000.5	0000	ເດດາ-າ	1001 • 1	0000-9	000-9	001.0	001.1	001-2	001-4	001.4	001.9	002+1	002-1	002-4	003.T	0
	20							1 '	1		1	ì	1 '	007-8	i	1			I	l 1						ł
	21	011.2	011-2	011.3	011-5	011-6	011-8	012.3	012-9	013-5	013-8	013-7	013-5	013-4	013.1	013-0	013.3	013-4	013.8	013-9	014.1	014.2	014-3	014.5	014.6	0
- 1	22	074.5	014-0	014-0	074.4	07445	014.5	01/1-8	A15.1	015.3	1015.5	1035.4	1015.3	015-2	1015•3	1015-1	1015 • 5	1015•91	1016 • 0	I OT2 • A	076 • 7	076.3	010.4	0.0TO	10000	U
- 1	23	010.0	010-0	070-0	016-4	1076.2	016.5	1016.2	016.4	016.4	1016.3	0.250	1015-7	015-6	1015•2	1015•0	1014-9	IO15 • 1	1015•1	1015-51	OT2 • 3	0.72.5	OT2 . 3	10T2.2	10T2-0	U
ŧ	24	014-6	014 • 4	014.0	013.7	013.5	013.2	013.2	013.2	013.3	013.3	013.1	012-8	012-8	1012-8	1012-8	1013•3	OT3.2	10T3-8	014.0	014.5	014.5	014.3	OTTOT	073.1	v
	25	013-5	013.0	012.3	011.9	011.3	010-5	010-4	010-0	009•8	009.1	008•3	006-6	005•4	004.4	004.0	003•7	002-8	001.9	000-6	999-8	998 • 4	997•8	997•0	990.T	١
	26	995•1	994-1	993-1	992•7	992.0	992-2	992-7	993•1	994•2	994.3	994.5	994 • 2	994•0	993-9	993.7	993•9	994•1	994 • 2	994•2	994-4	994 • 7	994 • 9	995•0	995•3	9
ı	27	005.0	006.6	006.6	007.2	007.0	008.5	008.7	9999	0000	1000-3	0000	1000 • 6	000.9	1001+1	1001-2	1001 • 0	1001-0	1000 • 7	1000-0	998 • 9	998•0	996.3	1995-0	1993.2	9
1	28	001.0	000.5	007.7	085.1	1 08/11	9. 190	081.2	987.9	0.180	981.1	1981 - 3	1981 • 5	987 • 8	1982 • 4	1983•2	1984 • 5	1985•5	1987•2	1988 • TI	988 • 4	988 • 7	989.9	1 990.T	990.7	y
	29	991.1	991-4	991-2	990-8	990.7	990-2	989-7	989-3	989 • 8	989 - 8	990-3	989-9	989•6	989.3	988.9	988 • 6	988 • 3	987.5	987.6	387.0	986.0	900.0	900.0	909-T	9
4	30	984•7	984•6	983-6	983-3	982-7	981-4	980•7	980-8	980-9	980•4	979.5	979•3	978・4	977•4	976.4	9(4.9	973-9	972.5	970-9	203-2	200-2	90.1-1.	303-0	504-0	ٵ
en		998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	┞
ation an	Level)	<u>•99</u>	1002			1001	1001	1001	1001		1001		•31 1001	•12 1001						1001					1001	10

80		ABERDEE	N: H	b = 2	6•0 m	etres							,											D	ECEMB	ER, 19	935
 		Da.y	mb	mb	mb	mb	m b	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	шb	mb	mb	mb	■b	mb	mb	m b	mb	mb
1	\uparrow	1	963•8	963-7	963•5	963.0	962-6	962.2	962.0	962·1	961-9	961.6	961.4	961.1	961.1	961.2	961.5	962-0	962-7	962-9	963-4	963-8	954.4	965.0	965.0	965-3	962-8
l	-	2	965:1	965-0	965-4	965-2	965-2	965 • 5	966 • 4	967-0	966 • 9	966 • 9	967-0	967-0	967-8	968 • 1	968 • 7	968 • 9	968 • 8	969 • 1	969.2	969-2	969.9	970-0	969-7	970-6	967-5
l	į.		971.4	972.7	972-8	972-9	972-8	973.1	973-4	974.3	974.6	975-0	975-2	975.3	975-4	975 • 8	976 - 1	976 • 8	977-0	977-8	978-1	978 - 6	979.0	979-6	980 • 4	980 • 7	975-6
i	ı	4	980 • 9	981.7	982-6	982.8	983.8	984.0	985-0	985-3	985•9	986 • 5	986 • 8	987.3	987-5	987-4	988 • 1	988 • 2	988 • 5	988 8	989.2	989-6	990.0	990-4	991.1	88T-8	986-6
1	ļ	5	992.2	992-8	993-4	994.0	994.7	995•2	996 • 2	997.0	997•5	997•9	998•1	998-2	998•3	998•4	998 • 4	998•4	998•3	998 • 4	998-5	998-4	998-2	998•3	998 • T	997-9	996-8
	ļ	6										998-5					000-5										000-0
ľ	1	7										004.2			002-2												002-2
	1	8										997•5			997•5												999-6
	1	9	009•8	011.1	011.9	013-1	014-1	015•6	017-0	018.9	020 • 4	021.4	022-4	023.1	024 • 4	025.1	026 • 4	027-5	028 • 6	029•4	030-0	030-9	031.8	032-5	033.1	033.7	022-5
ĺ	ļ	10	034•1	035-0	035•4	035 • 5	035 •6	036 • 1	036 • 8	037•4	038•2	038-7	039-1	039-0	038 - 9	039•3	039 • 9	040-2	040-6	040-8	040-8	040-8	040 • 7	040-9	040-8	040-7	038-4
		11													037-9												037-8
	1	12										032.3			031•5												031.7
ľ	급	13													025 • 7												025-6
l	Level-	14										010-3					004-6										007-9
	Ž	15	996•6	995-7	994 • 5	993•2	992-0	991-1	989-6	988-6	987-8	987•3	987-0	987•5	987•4	987-1	986-9	986•3	985•7	985-2	984 • 8	985•0	985-6	985•8	986 - 5	987-2	988•7
	tion	16	987-6	987-7	987-5	988-9	989-5	990-2	991-4	992-5	993-2	993.7	993-9	993 • 7	994•3	995-1	995-6	996-5	997-3	997-8	998-3	998-8	999-3	999•7	000-2	000-6	994-0
l	ŝ	17										004-1			003-8												004-0
	ရှ	18													008-6												008-3
i	1	19										006 • 5			005 • 4												005 • 9
		20	002 • 8	002-6	002-7	002-8	002-5	002-4	002-7	002-8	003•3	003•4	003-3	003-1	002-8	003•5	003-4	003,5	003•6	003-8	004-2	004•3	004-3	003-9	003 - 7	003-6	003-3
		21	003 • 5	003-3	002-8	002-7	002-5	002-2	002-1	002-4	002-5	002-1	001.7	001-2	000-7	000-3	000-1	999•8	999•2	999•0	998•9	998-8	998-6	998•3	997-9	997-8	000-9
	1	22													998 • 7												999-1
	1	23													001.7												001-7
		24													994 • 3												994-6
	1	25													979 • 9												981-3
		26	978 • 1	978 - 2	978 - 3	978-0	977-7	977-6	977 - 7	977-8	978•9	978 • 7	978•4	977-6	976 - 8	976 • 3	975-7	975•0	974 • 0	973 • 1	972-6	971.8	971 • 2	970-8	971-1	971 - 4	975-8
i	1	• 27	971 - 8	972.3	972.6	972.6	972-6	973-1	973-9	974-6	975.1	976 - 2	975 • 9	977-3	977-4	978 - 1	978-1	978 - 2	978 • 0	977 • 7	977.4	977-4	977.5	977.5	977-6	977 - 7	975 • 7
	-	28													985-1												984 - 1
		29													993 • 4												992-1
		30													983•0												984-6
	\downarrow	31	984-9	985•1	985•3	985•3	985 • 1	984-9	985 • 4	985 • 3	985•6	985•5	985•5	984-9	984•4	983-8	983-6	983•3	983.0	982•3	982-0	981-6	981-5	981•2	981-1	981-1	983-9
Mean			997	997	997	997	997	997	997	997	998	998	998	998	997	997	997	997	997	997	997	997	998	998	.998	998	997
		Level)	•46					•43		•92	•16	·26	•17	•00	•80			•92	-89	•89			•02	•05	•07	•06	-84
Mean (Sea		el)	1000 •69	1000 •79	1000 •81	1000 •76		1000 •66		1001 •15	1001 •38		1001 •39	1001 •21	1001 •01	1001		1001 •14	1001 •11	1001 •11	1001 •14	1001 •18	1001 •25	1001 •27	1001 •30	1001	1001 •06
	G	Hour M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOTE. - When pressure exceeds 1000 mb. the leading figure 1 is not printed, i.e., 1005.6 is written 005.6. This rule does not, however, apply to monthly means.

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

81. ABERDEEN: $H_b = 26.0$ metres.

1935. 11 Noon 14 15 16 20 22 24 G. N. T. Station шþ mb шb Level 006-71 006-55 006-41 006-34 006-35 006-47 006-61 006-70 006 • 87 006 - 73 006 - 79 006-82 006 • 74 006-64 006-57 006-54 006-55 006-62 006-75 006-85 006-94 007-00 007-02 006-98 006 • 90 009-91 009-75 009-61 009-54 009-55 009-66 009-61 009-92 009-97 009-99 009-91 009-61 009-74 009-72 009-80 009-84 010-04 010-13 010-19 010-21 010-18 010-10 009-89

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

82. ABERDEEN: Hb = 26.0 metres.

1935.

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Ngon	13	14	15	16	17	18	19	20	21	22	23	24
Jan. Feb. Mar.	1017-69 995-19 1015-83		+0 • 04	mb +0.04 -0.28 -0.47	mb -0·09 -0·53 -0·53	mb -0.29 -0.68 -0.50	mb -0.41 -0.71 -0.42	mb -0.36 -0.63 -0.19	mb -0.24 -0.51 +0.09	mb 0.00 -0.39 +0.18	mb +0.09 -0.24 +0.27	-0.05	-0.10	-0.12	mb -0.14 -0.11 -0.01		mb -0.09 -0.02 -0.18		mb +0.16 +0.45 +0.11	+0.54	+0-60	+0.64	mb +0·13 +0·66 +0·29	mb +0•24 +0•54 +0•16	+0.52
Apr. May June	1004 • 49 1020 • 21 1006 • 73	+0 • 25 +0 • 20 +0 • 11	+0•10	-0·29 0·00 -0·22	-0.07	-0·75 -0·11 -0·30	-0·73 -0·05 -0·30		+0•13	-0·30 +0·15 -0·01	+0-08	+0 • 07	-0.01		-0-19	-0.26	-0.32	-0.36	+0·38 -0·31 -0·11	-0.18	+0.01	+0-24		+0.37	+0・31
July Aug. Sept.	1012·80 1009·85 1001·51	+0.03	-0-14	-0·16 -0·32 -0·31			-0.35	-0.05 -0.24 -0.45		+0.01		+0.13	+0.13	+0-13	+0-12	+0.01		-0-09	-0.03	+0.11	+0 • 33	+0-42	+0-36	+0-30	+0.14
Oct. Nov. Dec.	998·11 998·53 997·84		+0.14		-0·20 -0·13 -0·13	-0.14	-0·21 -0·25 -0·27	-0.07 -0.17 -0.09	-0.04	+0.15	+0.17	+0.06		-0-38		-0-40		-0.09 -0.01 -0.05	+0·07 +0·14 -0·08	+0 • 25	+0-29	+0-29	+0-12 +0-29 -0-01	+0.27	+0.21
Year	1006 • 70	+0 • 14	-0.02	-0.18	-0.32	<u>-0.38</u>	0.37	-0.25	-0.10	+0.02	+0+08	+0.11	+0.04	-0+06	-0-12	-0.15	-0.13	-0.06	+0.08	+0•18	+0-27	+0•33	+0+35	+0-32	+0-24

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

83. ABERDEEN: H. = 26.0 metres.

1935.

	Jai	1.	Fe	b.	Max	r.	Apı	۲.	Mag	7	Ju	16	Jt	ıly	A	Æ.	Sej	pt.	00	t.	Nov	7.	De	ec.
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Mir
	mb	nab .	mb	шþ	mb	mb	mb	ďm	mb	mb	mb	шр	ma b	mb der	mb	mb	mb	mb	шb	mb	mb.	mb	шþ	m
1	017.5	007-9	004-6	985 • 5	997-1	985·7 997·1	012-8	995+9		017-5	014.5	010-1	018-8	011 • 2	019-2	016-1	005-6	001.7	995-4	986•0	004-6	983 • 2	965 • 3	
2	025 • 6	017.4	007-5	985·3	011·7 014·4	010-5	016.8	012-8	017.5	013·1 011·3	010-1	003-7	011.7	006-9	020-8	019-2	001·7 999·8	991·6 997·5	994 • 6 986 • 6	982·6 982·1	006 • 8	000-3	970·6 980·7	
4	018-4	014-4	007-4	003-0	019.7	010-3	005-3	996 • 3	013.2	012-1	004-6	001-1	008-4	004-6	020 • 4	017-5	999.8	397-5	991.9	986 • 5	002-7	998-1	991.6	
5	017-8	012.7	003-9	996 • 3	020.8	014.2	996.3			016-1	001.1	998 • 1	012-7	006-1	022.9	016-2	006.7	998•8	991.8	989•6	998-1	995-4	998 • 5	
6	019•1	013-4	026 • 4	003-9	030-5	020-8	003-4	993•4	028-6	022-1	000+0	993•0	020-8	012-7	024-7	021.6	018-2	006-7	007+3	991-8	999•9	995•2	004.5	99
7	024.8	019-1	026 - 7	025-1	036 • 1	030•5	002-7	994.8	032·0 031·9	028 - 2	993.0	964-8	021.6	020-1	021.6	012-2	023-0	018-1	007-6	996 • 0	000.1	997-6	004-7	9
8	024-4	020-9	026 · C	022 • 2	040 • 9	035 • 9	997-8	992-1		030-6	009-8	985 • 8	020-2	015-8	012.2	8.800	022.7	021-1	996 • 0	989 • 7	997-6	989-8	008 • 8	99
9 10	021.2	016·4 007·5	022.3	016·7 014·2	042 · 7 038 · 7	038 • 7 035 • 7	995 • 8 986 • 9	985 • 7 966 • 0	031.3	028 • 5 025 • 4	012.5	999-2	015-8	011·5 010·3	010-5	008 9	022-3	021·0 014·2	993.0	981·4 979·2	992.4	990 • 4 992 • 4	033.7	00
11	007-6	989-3	014-4	996 • 6	040-1	036-6	997-8	975-9	025-5	022 • 7	999•2	988•4	023-4	018-1	006-6	000+2	014-2	007-5	005-3	990 • 7	001-2	994-0	040 • 7	0:
12	006 • 5	993-4	3.000	988 • 8	040-3	034-9	010-1	997-8	024-3	023-3	999.9	988 - 5	023-2	018 - 2	013-0	005.7	007-5	995-1	010-8	005-3	995-8	986 • 4	033-9	
13	008-2	000-5	996-6	982-5	034-9	026 • 1	011-2	005-9	023.7	016.3	004-6	999-1	019-3	015.5	012-9	008-6	998-4	991.7	013-5	001-1	997-1	995 • 5	029 • 8	
14	019.3	000 • 7	000-2	979•8	026 • 1	015-9	008-0	003-7	025-7	018-7	004.8	000-7	023-1	019-3	012-5	008 • 9	997-7	990 • 5	013-2	000-9	998 • 9	992-5	019-2	
1.5	027-8	019-3	998 • 6	986•6	015-9	002-3	007-7	998•4	023-9	009-6	000-7	998 • 8	022-0	013-2	015+0	012-4	995-0	980•8	012-9	005•7	998 • 9	991-1	997-2	9
L6	035-9	024-9	992-1	975 8	-002-3	997-9	998 • 4	974-0	019-2	008+9	001-0	998 - 2	013-2	008-0	016-0	014-4	983-0	976 - 3	015-2	007-9	994-8	992-6	000-6	9
17	040 • 4	035 • 2	004•5	992•1	009+9	998•6	993 • 5	972•4	010-2	004·9 009·3	009-8	001-0	008-1	004-4	016-0	013-8	981.5	964·2 981·5	015.1	000-3	994-8	991.4	007•5	
18	041.5	040-0	002.5	988 • 7	011.4	008-1	999-2	993.5	011-4		014-9	009-2	004-9	999 • 7	013-8	011-4	994-3		073-3	976-1	998 • 5	992-2	009-1	
50 19	040 • 5	038 • 7	998•6	985-2	008 • 7	004 • 8	004-8	999-0	012-9	008+8	015-4	011-0	000-2	994-5	012-4	010-3	988•3	971-3	990.9	956 • 5	003-1	998 • 4	007-9	
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21	037-5	033-4	970-5	963-7	008+9	002-1	001-0	995-5	025+8	023-6	013-0	004-4	016 -2	001-2	013-3	004 • 7	016.2	012-2	010-8	005-9	014-7	070-8	003-6	9
22	033-7	025 • 7	970-5	965 • 4	002-2		007-4	999•9	025-5	024-2	016.5	012-5	016-8	014-2	011.5	006 • 3	012-6	001-1	011.0	007-2	016 • 7	014-1	002-3	
23	025 • 8	018-6 982-9	982-9	969 · 2 978 · 9	000 • 5	989-0	020-2	020-1	024-3	023-3	021-6	016.5	019.0	014.4	011-0	006 • 3	008-0	000+5	007-3	000-3	016-7	014-9	002-4	
25	982-9	988 • 5	992.0	977-3	011-6	005 • 9	024-7	021-5	026 - 2	024-5	017-0	009-7	021-2	015-1	017-6	007-2	008 • 4	005-4	014-4	010-9	013-4	996-1	986-3	
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26 27	014.4	981·8 014·4	996 • 8 994 • 3	992 • 0 981 • 2	012.4	009-8	024.5	023-1	024-6	022-6	009-8	005 • 8	017-7	999-6	995-1	992 · 3	014·7 005·1	002-5	014.3	993-9	998 • 1	991·8 993·5	979-0 977-7	9
88	021-6	019-1	985.7	979 • 3	025-1	020-6	024-3	023-2	023.3	019.8	025-2	012-1	011-1	001.7	995-4	990-4	005.1	996.3	009-9	998 • 3	993.5	980-6	989-4	9
29	023-5	016 - 5		٠,٠ ١	028-5	020-8	023-8	020-0	019-8	015-4	025-0	016 • 6	018-0	011-1	999-9	990-2	003-4	992-9	000-5	989-3	991.6	985-1	994-0	9
30	016.5	009•0	-	-	023.1	009-7	021.5	018 • 2	015-4	012.7	019-9	015-6	021-0	018.0	998 • 1	995 • 7	992-9	986 • 6	990•4	971-8	985•3	964-5	989-8	
31	010-3	004-6	-	-	009-7	000+4	-	-	014-6	013-4	-	-	020-9	016-9	003-0	997•7	-	-	983-4	972-2	-	-	985•8	9
an	1022	1012	1000	9 8 9	1019 •76	1011	1008	1000	1022	1018	1010	1003	1015	1009 •74	1012	1007	1005	997 •16	1003	992 •06	1001	994 •88	1001	
	- 20	-00	-83		- 76	- 99	- 77	-10	-30	-22	-12	-40	-94	• 74	- 23	.21	- 79	.10	-01	-00	- /4	*86	190	╙

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1	78•4	78 • 4	77.6	77-9	78-0	78 - 3	79•5	79.0	79-0	79.1	79-4	79-6	80 • 5	80•0	79.5	79.0	78-2	77-8	77•4	76・4	77-2	77-7	78-2	78-8	78
2	79-2	79•5	79•6	79•7	79•8	80.0	80•2	80•5	81.0	81.2	81.7	82-4	83•1	83•8	83•7	83•8	82•5	82•6	84.5	83•5	83-9	84•4	84•3	82.8	
3	82.9	82.5	81.9	80.5	80.6	80.8	81.0	80.2	83.6	82.3	81.4	81.8	81.2	83•4	83.9	82.4	82.1	83.1	81.8	81.0	81.1	81.3	81.0	80.1	
4	80.0	80.0	80.0	80.0	79•8 77•2	79.0	79•4	79.4	79.5	79.0	79•7 77•3	79.6	79•4 77•5	79.3	79-2	78 • 6	78 • 9	78 • 9	78.9	78.3	77-8	78.0	77.8	77.4	
5	77-6	77•5	77•4	77•4	77.2	77•0	77•0	77•0	76 • 9	76•8	11.3	77.6	77-5	77•0	76 • 3	76•3	76•3	76 • 5	76•0	75•8	76・4	76 • 4	76•1	76・4	ľ
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8	77-9	77.3	77.2	76 • 9	76 • 7	76 • 2	76 • 3	76 • 4	76 • 6	76 • 4	76 - 0		75.6	76.0	76 • 4	75•9	75.1	75 • 5	74.7		74.6	74.2	73.9	74.0	
10	74•0 76•4		73 ·9	73•6 77• 9	73•7 7 9• 0	74·9 79·2	74 • 7 79 • 8	74·8 80·0	75 · 0 80 · 4	74 •5 80 •6	75•0 80•5	75•4 80•4	75•5 80•6	75•5 80•8	75•5 80•8	75•4 81•0	75.5 81.2	75•5 81•5	75•8 81•7		75•9 81•8	76.0 81.7	76·1 81·6	76·4 81·4	
10	/6-4	/0.0	11.0	פיוו	19-0	19-2	19.0	80.0	00.4	00-0	00-3	60-4	00-6	80-8	80-8	91-0	01.5	01-2	07.1	01.0	01.0	07.1	01-0	01.4	ľ
11	81.2	80•9	80.7	80.6	80•6	79-9	80.2	80•5	80•5	80.7	80•6		80.5		79•7	79•1	78 • 9	77•6	76 • 9		76 - 9	76 • 5		75.7	
12	75•6	75•3	75•4	74.7	74 • 4	74.4	74 • 4	74.6	74.5	74.6	75•1		75•9	75.6	75.5	75.5	74•6	74.3	74.5		74.7	74.6	74.0	73-6	
13	73 - 7	73・4	73.3	73.4	73.1	72.9	73•0	73.1	73•3	73•6	74-4	74.4	74.6	73.8	73-4	73•4	73.3	73.1	73.2	1	73.5	73.7		77•5	
14 15	78 • 0 82 • 6	77•9 82•9	79•0 82•8	79•3 82•4	79•4 82•5	79•9 81•6	80·2 82·1	80·2 82·1	80·5 82·3	80•7 82•8	80•6 83•5		81.0	80•9 84•0	80·9 83·7		81.5 82.8	82·0 82·0	82·1 82·0	82.3	82.3	82•7 80•4	82.9	82·7	
15	62.6	82.9	82.0	82 - 4	62.5	8T.0	82.1	85.T	62.3	02.0	03.9	03-7	03.0	04.0	03.7	03.4	02.0	02.0	02.0	01.9	00-0	00.4	00-4	79.9	1
16	79•6	79•5	78.3	79-4	78 • 9	78 - 3	78-1	78 - 2	79-2	80•4	81•4		81.9	81.6	81.4	80-4	79-2	78 • 5	78•1		77-4	77-4	77-6	77•0	
17	76•3	76 • 6	76 • 3	76 • 5	76 • 3	76 - 2	76-6	77.2	77-4	78 • 2	78 •6		79.1	79-2	79•5	79 • 2	79•0	78 • 9	78 • 7		78 • 7	79•0	79.3	79•3	
18	79-4	79-3	78 • 7	79•0	79•0	78 • 8	78 • 8	78•6	78 • 6	78•6	78•6		78 • 8	78•6	78 • 4	78•1	78•0	77•5	77-4	77•4	77•4	77.5	77-4	77.2	
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20	76•4	76•6	/0-0	77-0	11-4	11*5	77.0	11.0	77*6	10-3	10-1	10.0	19-1	19.2	10-0	10-0	10-3	70-4	10:3	1000	/8-0	11-0	1112	1779	ľ
21	78•0	78•3	78•4	78 • 6	78 • 1	77-9	78•3	78•5	79-0	79-7	80•8			82-2		81.8		81.9	81.6		81-1	80 • 4	79-9	80.6	
22	81.0	80•8	80.7	80-6	80•8	80•9	80•6	80.8	80•9	80.8	81.4		81.7	81.7	81.7		80 • 5	79•5	78 • 7	77-9	77.9	76 • 8	77-4	78•6	
23	78 - 7	79•0	80-0	79•3	79-8	81.3	81.3	82.8	82.7	82-1	81.7	81.6		81.9	81.3		80.5	79.9	80 • 2	80.2	80•3	80.3	79-9	79.5	
24 25	79•7 78•0	79•0 77•4	79•1 76•0	78 • 7 76 • 0	78•3 75•6	78•9 75•6	79•0 73•8	79·2 74·4	80 • 7 73 • 7	81·2 73·6	83·0 74·4			83·3 75·1	83•0 75•0	83·3 74·7	74.1	82·4 73·4	73.7	81·4 73·8	83•5 73•8	84·5 73·7	83·8 75·0	80 · 2 75 · 8	
23	10.0	11-4	16.0	10-0	15-0	15-0	13-0	14-4	13-1	13-6	/4-4	/4-0	10.2	19-1	15-0	14-1	14-1	73-4	13-1	13-6	13-0	13-1	13.0	13.0	1
26	76.1	75•0	76 • 2	75 • 9	75 • 4	75 • 9	75・4	75•3	74.9	76 • 0	76 • 1	76 • 5	76 - 2		76 • 1	75•5	75•9	75•3	73•5	74.0	74.5	74.8	74.4	74.7	
27	74.5	74.6	73 • 7	73.8	73・4	74.1	73.9	74.2	74.0	74.2	74.2			74.2	74.9	74.3	74.1	73.3	72.9	72.9	72.7	72.6	72.7	72.5	
28	72.2		71·6 77·0	71.6	71.0	71.3	71.9	72.4	72-9	73.4	73.8	75.0		76 • 1	75 • 2	74.5	75.0	75.1	76·1 75·9	76 • 6	76 • 4	76 · 0	76·5	76 · 9	
29 30	77·0 76·1	77·0	74.5	76 • 8 75 • 4	76 • 7 75 • 9	76 · 5	76 • 2 76 • 8	76·0 79·8	76 • 2 79 • 0	76 · 8 · 78 · 9	77·7 80·1	78 · 7 80 · 3	78 • 6 82 • 3	78 • 7 82 • 1	79•1 80•5	79 • 0 80 • 4	78 • 5 80 • 2	77:3 79:9	78.9	76 · 3	76 • 6 78 • 6	78.0	78.0	77.6	
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31	77•5	77•8	77.0	76•8	76 • 4	76・4	77•3	77•3	77•0	77.5	78•3	19.T	79.6	79•5	78 • 7	78.5	78•1	77.9	17.7	77•5	77.6	78 • 0	78 • 4	78 • 1	ľ
Mean	77•6	77•5	77.5	77-4	77.3	77-4	77.5	77.7	78 • 0	78 • 1	78 • 5	78-8	79-1	79-1	78 • 9	78 • 6	78 - 4	78.1	77-8	77.7	77-8	77-7	77.8	77.7	17

٥٥.	ABERDEEN:	NOTEN	Matt	screen	on	Tower:	nt	=	T5.2	metres	
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85. AB.	KRDKE	N: NO	rtn W	all S	creen	on To	ower:	nt =	12.2	metr	es											r.	ADRUA	KI, 1	900
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6	77·8	77·1	76.6	76 • 0	75.7	75·2	75·2	76 • 0	75·9	76 • 1	76 • 7	77·2	77.6	78 • 0	78 • 0	77•7	76 • 4	75.2	75.0	75·1	75•2	75.0	74.7	75·1	76 • 3
7	75·5	75·2	75.1	74 • 3	73.5	73·7	73·8	73 • 7	74·3	75 • 5	76 • 5	77·7	78.0	78 • 0	78 • 5	78•6	78 • 1	78.1	77.8	77·5	77•5	77.2	77.3	77·2	76 • 3
8	76·8	76·8	76.9	77 • 0	77.1	77·1	76·9	76 • 1	76·6	77 • 0	77 • 8	79·1	79.9	80 • 8	80 • 1	79•9	78 • 7	77.8	76.7	75·6	74•8	74.4	74.2	73·5	77 • 2
9	73·1	72·6	72.6	72 • 3	72.2	72·3	72·4	73 • 2	73·0	73 • 5	75 • 4	76·9	78.1	78 • 5	78 • 5	78•1	77 • 9	77.1	76.6	75·2	75•0	75.4	75.6	76·3	75 • 0
10	76·4	77·5	77.6	77 • 4	77.0	77·1	77·1	75 • 9	77·2	77 • 3	78 • 2	78·9	7 9.4	79 • 8	80 • 0	79•8	78 • 6	78.0	77.6	77·4	77•3	77.4	77.2	77·0	77 • 8
11	76 • 7	76.8	76.5	75·4	74·6	74.0	73.5	73.6	73·9	75·7	77·4	78·1	79·1	79·0	78 · 8	79•4	80 · 2	80·1	80 · 4	80 • 3	80·5	80·1	79·8	79•7	77.6
12	80 • 3	81.0	81.6	81·7	81·7	81.3	81.7	80.1	82·3	82·3	83·0	81·0	80·8	80·4	80 · 2	79•5	79 · 0	78·9	78 · 1	78 • 0	77·4	77·4	77·5	77•6	80.2
13	78 • 8	78.6	77.9	77·9	78·3	78.3	78.1	77.9	78·0	78·7	78·9	80·5	81·0	80·9	81 · 0	80•8	80 · 2	79·4	79 · 2	79 • 4	79·6	79·4	79·5	78•8	79.2
14	78 • 5	78.6	79.3	78·3	78·0	78.1	78.5	79.0	78·7	74·8	75·2	77·2	76·4	76·5	77 · 0	76•8	76 · 6	76·3	76 · 7	76 • 8	76·0	75·9	76·9	77•3	77.3
15	78 • 0	79.2	79.7	79·4	78·4	78.7	78.7	78.3	78·5	78·4	78·7	79·2	79·4	79·8	80 · 1	79•9	79 · 6	79·5	79 · 3	78 • 8	78·4	78·3	78·4	78•4	78.9
16	78·5	78.6	79.0	79·3	79·3	78·9	79.0	79.0	78 • 8	79·4	78 • 4	79·1	78.6	78 · 2	77-5	76.6	76.0	76 · 9	76 · 8	77·1	76 · 8	76 • 8	77.0	76 • 7	78 · 1
17	77·2	77.3	77.8	77·7	77·8	77·5	77.0	77.3	77 • 9	79·0		81·0	82.2	83 · 0	83-3	82.7	82.0	81 · 3	80 · 6	80·5	80 · 7	80 • 6	80.5	80 • 8	79 · 7
18	80·8	81.0	80.5	80·9	81·5	81·6	80.8	81.5	81 • 3	81·9		81·9	81.6	81 · 6	81-4	82.1	83.4	83 · 9	82 · 3	84·3	83 · 2	82 • 8	84.5	84 • 7	82 · 1
19	84·6	84.3	84.1	84·3	84·0	83·8	83.3	81.1	78 • 6	78·1		78·6	79.4	79 · 8	80-0	79.6	79.0	78 · 0	78 · 3	78·5	78 · 8	78 • 7	78.8	79 • 0	80 · 6
20	79·1	79.3	79.6	79·8	80·4	80·5	80.6	80.6	80 • 4	80·5		81·2	81.7	81 · 7	81-5	82.0	81.8	81 · 1	81 · 0	80·1	80 · 6	80 • 6	80.0	79 • 7	80 · 6
21	79·6	79•6	79·3	79•2	79·2	79•0	78•7	79•2	79·6	79•8	80·8	80·6	80·2	80 • 9	81·4	81.6	79·9	79•4	79•6	79.0	78 • 4	77.5	76 · 8	76 · 2	79·5
22	76·0	75•9	76·0	75•8	76·2	75•5	74•9	75•0	75·8	76•8	78·2	78·7	81·0	80 • 9	80·4	79.8	78·8	78•0	77•4	77.6	77 • 3	77.0	76 · 5	75 · 9	77·3
23	75·0	74•7	75·2	74•9	74·8	74•8	73•0	74•0	74·3	74•1	74·6	74·7	74·9	74 • 4	74·0	73.4	73·2	72•8	73•0	72.3	72 • 2	72.3	71 · 6	71 · 4	73·8
24	71·1	71•5	70·8	70•7	70·5	69•8	70•4	70•5	71·7	72•5	73·6	75·0	75·7	75 • 0	75·1	75.2	75·0	75•0	74•4	73.3	73 • 5	74.2	74 · 7	75 · 3	73·0
25	74·5	74•5	74·3	73•8	73·9	73•4	73•7	72•5	73·5	73•8	74·6	74·3	74·8	74 • 0	73·8	75.0	74·8	73•1	73•5	73.1	73 • 0	73.0	72 · 7	71 · 8	73·8
26	71•4	71•2	71•3	70•9	70·1	70•0	69·3	69•9	73•0	73•6	74•6	77•3	78 • 2	78•6	78•3	77•6	75•9	75•2	74•7	74•3	74·3	74•0	75•9	76•5	73-9
27	77•1	77•3	77•2	77•7	77·6	77•5	77·3	77•5	78•0	78•3	78•6	78•9	78 • 9	79•0	78•4	77•9	77•6	77•6	77•7	78•2	78·3	78•3	78•0	78•2	77-9
28	78•0	78•2	78•4	78•6	78·8	78•9	79·3	79•1	79•3	79•6	79•6	79•3	80 • 0	79•8	79•5	79•1	78•9	79•0	78•7	78•8	78·9	78•9	78•4	78•2	79-0
Mean	77-1	77•1	77•1	76 • 9	76 • 8	76•6	76· 5	<u>76•4</u>	76 • 8	77•3	78•0	78 - 7	79•0	<u>79-1</u>	79•0	78•8	78•3	77•9	77•6	77•5	77•3	77•2	77-2	77•2	77•6
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

86. ABE	RDEEN	Nor	th Wa	11 Sc	reen	on To	wer:	ht	(heigl	ht of	ther	nomete	r bul	abo	ve gr	ound)	= 12	5 me	tres				MAR	CH, 1	935
Hour G. M. T.	1	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	οA	٥A	o _A	OA.	o _A	o _A	o _A	Ao	OA	OA	O _A	o _A	٥A	o _A	o _A	o _A	OA	οA	o _A	o _A	O _A	o _A	OA	OA	O _A
1	78-9	78•6	78•6	78•7	78 • 7	78-9	79-2	79-2	79-8	79 • 7	80-4	80.0	80.0	79-6	79.5	79.6	79-5	78 • 9	79-0	78-6	78 - 3	78 • 6	79•0	78.7	79.2
2	78•4	78 • 6	78•4	78.1	78•4	78 • 5	78 • 4	78 • 5	78 6	78-9	79-1	79.1	79•1	78 - 8	78 • 7	78-6	78 • 5	78 • 4	78-4	78-3	78 • 2	78 • 1	78.1	78 • 0	78.5
3	78•3	77-8	77-7	77-8	78 • 2	78•3	78•3	78 • 4	78 • 4	78-2	78-0	77-9	78•4	78 • 4	78 - 5	78 - 2	78 • 0	77-9	77-3	77-7	77-4	75-2	75.5	75.5	77-8
. 4	75•6	75•8	75•9	75 • 9	75•4	75 • 2	74.9	75.0	76 -0	77•4	78•4	78 • 9	78•9	79.1	78 • 9	78-9	78 • 4	78 - 1	78-2	78-3	78 - 4	78 • 4	78 • 4	77.8	77-3
5	77•2	76 • 6	76•1	76 • 0	75•9	75•9	75•8	76 • 4	77•0	77-4	77•4	78•9	79•0	79•6	75•9	77•4	77•0	76 • 5	76 • 1	75•9	76 • 1	75•7	75 • 4	75 • 7	
6	76•3	76 • 5	76・4	75•1	75•9	76 • 6	77.1	77.3	77•8	79•0	79•8	80•3	81.0	81.5	82.0	80-3	80.1	80 • 2	80-2	79+9	79-3	79•5	79•2	79-2	78•7
7	79-1	78 • 9	79•1	77.5	76 • 9	76.0	76.0	75•6	77-4	80.4	81.0	80 • 4	79•6	79 • 4	79.7	79•4	79•3	79•0	78 • 9	78+8	78-6	78 • 4	78.1	78-1	78-6
8	78•0	77•9	77-7	77•6	77-8	77-9	78•3	78 • 7	79.0	79•4	80.2	80 • 5	80•2	79 • 8	79-6	79•4	79.0	78 • 6	78 • 4	78-1	77-6	77-5	77.4	77.5	78 • 6
9	77.1	77-1	77.0	77.1	77.2	77.5	77•4	77.5	78•0	77•9	78.0	77-6	77•7	77.5	77-5	77-4	77-1	76 - 7	76 • 6	76.5	76 • 4	76 • 5	76 • 4	76-5	77.2
10	76•6	76 • 6	76•7	76-9	77-0	77.1	77•2	77•3	77•5	77•9	77•8	77•9	77•6	78 • 0	77-6	77-9	77•7	77•5	77-3	77•3	77-3	77•4	77-4	77-4	77.3
11	77•4	77-6	77•5	77•5	77.6	77-6	77-8	78-4	79.0	79-6	79.9	80 - 2	80+0	80.0	79-8	79•5	79.0	78•4	78•0	77•3	75-8	74.9	74.7	74.0	78.1
12	72.9	73 - 2	72.3	71.6	71.2	70-9	71.0	72.6	73.6	75.4	78.2	78 • 8	79 • 0	78 • 9	78 • 8	78 - 7	78 - 4	78 • 3	78 - 1	78•0	78 - 1	78.0	78-0	77-7	75.8
13	77.7	77.9	78 • 2	78 • 0	78.3	78.5	78 - 7	79.0	79-1	79.0	79.3	79.4	79 • 5	79-4	79.0	78 - 8	78.5	77-9	77.8	77-4	77-4	77.4	77-4	77.1	$\frac{73.6}{78.4}$
14	77.1	77-1	77.1	76 - 9	77.1	76 • 9	76 - 9	77.3	77.5	77-9	78.3	79•3	79•1	78-9	79.2	79.0	79.0	78 • 3	78.0	77.4	77.2	76 - 6	75.2	78.3	77.7
15	78•6	78•6	78•6	78 • 6	78•5	78•4	78•2	78•6	78•9	79•3	79.2	79•4	79•9	79•5	79.4	78 • 6	78.4	78 • 1	77.5	77-2	77.4	77.8	77.8	78.0	
16	77•4	76・3	75•3	75•0	75.3	75 • 5	75-2	75.7	76-3	77.2	78 • 5	79•3	79•7	79•4	79-1	79•3	79•0	78•9	78 - 7	78 • 5	78 • 5	78 • 5	78•5	78 • 5	77.6
17	78•5	78 - 3	77-9	77.9	77-9	77.5	77.2	77-4	77.9	78 • 5	79-3	80.0	80 • 1	80-0	80.0	80-4	80.4	79-8	79.5	79-0	78 • 8	78•0	77.0	77.2	78.7
18	77.2	77-0	76 • 8	76 • 8	76 • 9	77.3	78-1	78-8	79-4	80.1	80.5	80 • 7	80.8	81.1	80.8	80.8	80.5	80.1	80.3	80.7	80-8	81.3	81-2	81.5	79.5
19	80•9	82.0	82.0	82-6	82.4	82.4	82.4	82-8	83-6	83-8	84.4	85 • 2	85.5	85.1	84.8	84.4	83.7	81.6	81.1	82.5	82.7	82.7	82.2	81.7	83.0
20	81•1	80•9	80•8	80•9	81.6	81.5	81.1	82.0	83•4	84-4	84.8	85•6	86 • 3	86 • 4	86.1	85.5	85-3	84.5		82.6	82-2	82.0	80.9	80.3	
21	79•4	80•0	79•3	78-7	79•7	78•8	79-8	80-6	82.3	84.0	85.2	86 • 3	86 • 7	86 • 4	85.9	84-9	84.0	83•5	83-0	82.7	82-7	82•4	81.8	81.6	82.5
22	81.7	81.8	81.5	81.4	81.3	81.2	80.7	81.4	82-7	83-3	84.3	84-9	85 • 2	85-6	83.1	83-2	82.6	81.7	81.1	80-4	80.0	80.0	79.6		82.0
23	79-2	79-1	79-0	78-9	78-2	78 - 2	78 • 4	79-7	81.3	82-3	82.1	82.3	82.8	83-6	84.0	83.9	83.6	83.0	82.5	81.3	81.2	81.2	81.1	80-9	
24	80•5	79-7	79-9	79-1	79-1	79.1	79-6	80-4	82-0	82.6	83-4	84.0	85.0	85-2	83.4	84.2	83.6	82-3	82.4	82-8	82.7	81.8	81.4		81.9
25	80•5	81.2	82-9	82-6	82-8	83-9	83-6	83•3	83•3	85 • 2	85•0	87•2	89•2	89•3	89-4	88 • 2	86 • 4	85.4	84.6	83.5		81.9	82-0	81.3	
26	81-4	80-9	80 - 7	80-4	80-2	79-8	80•3	81-5	81-6	82•6	83-2	83•6	84 • 2	84.5	84.1	83-8	81.6	81-6	80-3	79-9	79.8	80-2	80-1	79-9	81.5
27	80-0	79 - 9	80-0	79-8	79-7	79-3	79-7	80-6	81-4	82.2	82.8	83-0	83.2	83-4	83.3	83.3	83-2	82-6	81.4	80.6	80-4	79-6	79-5		81.2
28	79-5	79-6	78-6	78 • 4	78-1	78 • 4	78 • 4	80-0	81.1	82-2	82-2	82-4	82.7		83.4	82.9	82.2	80.6	80.5	80-2	80-1	79-8	79-3		80.2
29	78-9	78-6	78•0	77-0	76-4	76 - 4	76 - 4	76.9	77-4	77-6	78-0	78 • 2	78 • 3	78 - 9	78 • 8	78 • 5	78.4	78 • 2	77-8	77.5	77.0	76 • 4	76-0		77.6
30	76•9	77-2	77-1	77-3	77-2	77.3	78-1	79.6	80-4	82.6	85.4	85•4	85 • 6	85-6	85-9	84.4	83-4	83-2		82.6	82-3	81-9	81.6		81.4
31	81•2	81.1	80•9	80-9	80-9	80-9	81-1	81-8	83•3	83-9	86 • 7	86 • 3	86 • 3	84•7	84-4	83-9	83•3	82•5	81-4	80-8	80•4	79-4	79-6	79-6	82-3
Mean	78•5	78•5	78•3	78-1	78•1	78.1	78 - 2	78•8	79•5	80-3	81-0	81-4	81.6	81-6	81.3	81.1	80-6	80-1	79 - 7	79-4	79-2	78-9	78 • 7	78-6	79.6

87.	ABERDEEN:	North W	all	Screen	on	Tower:	$^{ m h_t}$	= 12.5	metres
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87. ABER	RDEEN:	NOI	th Wa	all So	reen	on To	wer:	h _t =	12.5	metr	es												APRI	L, 19	935
Day 1	OA.	OA.	OA.	0A	o _A .	OA.	OA.	OA.	OA.	o _A	OA.	o _A	٥A	o _A	οA	o _A	OA.	OA.	o _A	۸۰	o _A	o,	o _A	o _A	o _A
, T	79•2 76•2	79·1 76·1	79·1 76·3	79.4	79•4	79·3 76·6	79·6 76·2	79.3	79-0	80.0	80-4	79-6	77•7	79-0	79-5	79-6	78 • 6	78 - 7	78-0	76 • 4	76-8	76 • 3	76-8	75-6	78 - 7
3	75-2	74.5	74.4	74-9	74.9	75.0	75.5	75.6	76 • 6 75 • 6	76 • 8 77 • 2	78•0 78•8	78 • 6 78 • 8	78•3 79•3	78 • 8 80 • 0	77.5	78 • 2	77.1	76 - 6	76 • 3	75-8	75 • 4	75.4	75-3	75 • 8	76 - 8
4	73-2	72.7	72.5	72-6	72-5	72-5	71.3	72.5		74.2	75.5	73 • 7	75.6		79.9	78 • 3 75 • 2	78 • 7 75 • 0	77.7	77•1 73•2	76·4 73·3	75.6	75.6	75 • 8	73 - 7	76 • 6
5	74•3	74.2	74.0	73•8	74-0	73.9	74.4	74.6	75-0	75.4	75.7	76 • 1	77•0		75.0	75.5	76 • 5	75.9	74.6	74.7	73 -6 73 - 9	74·4 73·6	74 • 5 73 • 4	74·1 73·9	73·6 74·9
6	74•0	73-9	74.0	74.0	74-4	74-9	75-6	76.0	77-3	78 - 5	78-8	78-7	78 • 9	79-0	79:0	78•9	79-0	79-7	78-0	76•6	75•0	75-0	74-5	74-1	76-6
7	73-5	73-1	72.6	72-5	71.8	71.8	72-7	74.3	75•9	77.9	78•9	79-1	79•3	79-2	79-2	78-8	78-6	78-6	78-0	78-0	78-0	78 • 0	77-5		78-4
8	76 • 5	76-5	76 • 4	75-5	75 • 4	76 • 0	76+3	76 - 7	77-2	77-4	77-6	78•1	78•1		78.1	78•3	78-2	78-0	76-9	76 • 5	75 • 5	75•0	74-3	74-7	76-8
9 10	75•0 80•0	75•0 80•1	74•7 80•2	74.4	74.4	74·3 80·1	74-6	75.7	76-2	77-4	77-2	77•5	78•4		79•9	80.7	81.2	80-6	79-6	79-9	79-3	79-4	79-4		77-5
	80*0		80.5	79•9	79.6	80.1	80-7	82.3	83-6	82-6	82•3	81-6	82-0	81-6	82.7	82-9	82-7	83-0	82-9	82-1	82-0	81.5	81.3	80-8	81.6
11	80.1	79•6	78•4	78•5	.78 • 7	79 • 2		81.3	82.1	83-6	84.2	84.0	83-3	84.0	81.8	82-2	80-9	80∙€	80-2	79-4	79-0	78-9	78-7	78-4	80-8
12	78•1	78-0	77.8	77-6	77-3	77•6	78-2	79.0	79-2	79-7		80-2	80 • 4		81.3	80 • 7	80-0	79-8	78.3	76 - 7	76 - 4	75 • 4	75-2	75-3	78.5
13	74.5	74-1	73.8	73.7	73.8		75.3	76 • 7	78 • 3	79-7	79-9	80-0	80•2		79.9	79-6	79・4	78 - 7	78-6	78-6	78-6	78 • 7	78-7	78-6	77-6
14	78 • 7	78-6	78.8	78 • 8	78-7	78.4	78 • 5	78.6	79•0	79.1		79 • 9	80.1		80-0	80-0	79-6	79-7	78-9		77-5	78.1	78-1	78 - 2	79-0
15	78•4	78 -6	78.7	78•8	79•0	79•0	78•7	79-2	79•5	79•8	80.5	81.0	81.0	80-7	80-7	80-1	79•8	79-8	79-8	79•7	79-8	79•7	79-4	79-4	79-6
16	79 • 2	79-4	79-6	79-6	79-6	79.6	79.5	79.4	79•5	79-6	79-7	79-5	79-0	79.0	79-0	79-2	78-6	78-9	78 - 8	78 - 7	79-0	79-4	79-0	78-3	79-2
17	77-6	77.6	77.5	77.5	77•5	77.6	78 - 1	77.9	78 - 3	78 - 7	78 - 8	79 - 2	79 • 4		80-0	80-0	79-8	79 - 7	79.5	79.5	79-3	79-2	79-0	79-4	78 - 8
18	79・4	79・3	79・4	79.3	79・3	79.5	79-9	80-4	80-2	80.2	80 • 5	80 • 4	80•5	80.8	80.4	80-4	80.4	80-3	79-8	79-1	77-9	77.7	77.3	76.9	79-6
19	76 • 7	77.0	77•8	77•6	77.0	78.0	78・4	79.0	80.3	81.3	81.5	82.0	81.5		81.0	81.0	80-3	80 • 5	80-1	79-6	79-1	78-8	78.3	77.5	79.4
20	78•0	76•8	77.0	77.0	76 • 8	77.5	79-0	79•6	79-8	79-8	79•8	79-8	79•7	79-8	79-9	79.7	79-6	79•5	79-4	79-3	79-2	79-1	79•Q	79-1	78・9
21	79-2	79 - 5	79-7	79-9	79-9	79-9	80-1	80.2	81.7	81.8	82-3	83-4	82-2	83-0	82-5	82-4	82.2	82-0	81.5	80 • 7	80-6	80-8	80-8	80-6	81-1
22	80.2	80-6	80•2	80-3	80-2	79-6	79 - 7	80.4	81.0	81.4		82.4	83.3			82.0	81.6		81.0		81.1		81-0		81.1
23	81.0		81.1	80.9			79•6	80.1		82.1		82.9	82•3		82-1	82-2		81.8	80-6	79-2	77-9	77-4	77-0	76 - 5	80.7
24	76.0	76 • 2	75•3	75•4	74.5	75.9	78 • 4	79•0		80.3		81.2			82.4	82-6	82-6	82-8	81.2	79-8	78-2	77-8	77-7	77-9	79-1
25	78•0	77•5	78•0	78-3	78•9	79-1	79•7	80•1	80-4	80•5	80 • 7	81.0	81•0	81.3	81.0	81.0	81.9	81.0	80-8	79-8	78-6	79-4	79-4	79 - 8	79-8
26	80-0	80.3	80-0	79-9	79-9	80-1	80-2	80-6	81-0	81.9	82-1	82-5	82.5	82-2	81.5	82.0	81-2	80-4	80 • 5	80+2	80-0	80-2	80-2	80-2	80-8
27	80-1	80-0	79-7	79-5	79-4					81.0		81.6			83.3	83-3		83-6			80.9	81-0	80.9	80-8	81.2
28	80•6	80-4	80-4	80-4	80-4	80-4	80-8	81.6		82.5		83.5			84-2	84-2		83-5			82.3	81-9			82.2
29	81.5		81.2	81.2			82.3			83.7	84-1	84-9	85.5	85 • 3	85-2	85-1		84-1		82.7	82.2	80.8	80 - 7		82.9
30	81•1	81•3	81•4	81-4	81.2	81.4	82.0	81.7	81.9	80•4	80-3	80-6	80•8	81•1	81.0	80-7	80-5	80-2	79•9	79-6	79-5	79•5	79-5		80.7
		·	ļ			<u> </u>											<u> </u>	ļ				ļ 	<u> </u>		<u> </u>
Mean	77•8	77-7	77-7	77-6	77-6	77•8	78-2	78•7	79•3	79•8	80-2	80-4	80•5	80-6	80•5	80-5	80•3	0-08	79•4	78-9	78 • 4	78•3	78-1	78•0	79-0
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

88. ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulb above ground) = 12.5 metres

MAY, 1935

Hour							T .			1	T	T.,		l	·	T.,	T	Γ.							
G. M. T.	1	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	οA	OA	OÁ	ОД	OA.	OA	οA	οA	OA_	OA.	OA.	OA.	OA.	OA.	OA.	°A	OA.	o _A	'0 Д	OA.	OA.	OA.	OA.	οA	o _A
$\frac{1}{2}$	79·5 79·2	79・4	79·4 79·1	79·4 78·6	79·5 78·5	79.7	79 · 9 80 · 8	80·2 81·6	80.7	81.0	81·6 84·1	81·5 84·9	81.8 85.8	81.9	82·1 86·3	81.9	81.5	81.0	83.8	80•0 83•9	80·0 83·7	79•9 83•7	79·8 82·4	79 ·6	80 • 5 82 • 5
3	82.2	82.3	81.8	81.0	80.8	81.6		85•5	86 • 4	87.5	87.8	88•3		89.1	89-2	89.2	89•0	87-9	87.4	86 • 5	86.0	85 • 9	84.9	83.3	85.6
4 5	82·6 81·0		82.2	81.6		82.2	83·9 82·3		86·5 83·1	87.7	83.3	88 • 6 84 • 3	88•7 83•9		87•5 85•0	86 • 8	86 • 9	85.1	84.0		82.7	82•0 83•0	81.8	81·3 82·5	84·6 82·8
6 7	82·0 79·9	81·5 79·0	80 • 8 78 • 5	80.7		81.9	82·3 81·3	83·1	84.0	84.7	84·5 82·7	83·8 83·1		83-9	84.2	84.4		85·5 83·1	85.1		82.5	82•5 79•8	79.0	81.0 78.5	83•2 81•5
8	1	76 • 6	76 • 2	76・3	76•0	76•7		82•1	84.0	83.2	83•4	83 • 5		83•5	83-1				82.2		81.4	80•9	80.5	79•7	80•8
10	78·9 81·1	79·1 81·2	79·5 81·5	78·0 81·2	78 • 0 81 • 2	78•7 82•0			83·8 83·2	84•2 82•6	84·6 83·3	83·7 83·5	83•4 83•4	83.5	83·1 83·5	83.0	83-4	82.6	80.7		80.1	80 • 2 80 • 9	80.2	80.7	81·3 82·2
	-						}							,											
11 12	79·9 78·9	79•5 78•8	79•6 78•1	80•0 77•6	79•6	79•6	81·4 78·2	83·9 78·4	84 · 9 78 · 2	85 • 4 79 • 0	86 • 7 80 • 0	86 • 0 79 • 4	85 • 9 80 • 2	85·1 78·5	84·3 79·8	83·8 78·2	84·1 78·0	78 - 2	82 •6		81.0 77.2	80-9 77-2	80·2	79•8 77•0	82 •5 78•3
13	76• 8	77•1	77-0	76 • 6	76 • 6	77-0	78-0	78 • 0	77•9	77•3	77.7	76 • 9	76 • 4	74-6	74.1	74.0	74.0	74-6	74.8	74.4	74.7	74.7	74.7	75・4	76 • 0
14 15	75·3 74·1	75•1 75•6	75 • 7 76 • 0	76 · 1 76 · 2	76·3	76 • 4			80 · 2 78 · 4	80 • 5 76 • 2	81.0 77.1	80 • 5 77 • 6		80•6 79•8	80·4 79·2	80·5 77·6	80·8	77.2	79.9		77•8 76•6	76·3	75•3 76•0	74.2	78•4 77•1
									}						1	1									
16 17	74•7 72•5	75·0 72·3	74·0 72·1	73•6 72•8	74•0 73•3	74.2	74•0 75•0	76 • 4 74 • 7	76 • 0 74 • 5	77•6 75•9	78 • 0 77 • 9	78 • 2 78 • 6		77•9 78•0	78 • 0 77 • 8	75•4 79•3	74·3 78·6	74.6	74·6 78·3		73·5 77·6	73•3 76•8	72.9	72.9	75•3 76•0
18	76 • 2	76 - 2	76 - 2	74.8	75.2	76 • 0	77-3	76 • 0	77-9	78•6	80-0	78 • 9	79•9	80-0	80-2	80-1	79-9	79-8	79-6	79-2	79.0	78 • 8	78 • 7	78•6	78 • 2
19 20	78 • 2 80 • 2		78 • 3 80 • 1	78•4 79•9	–	80.4				81.0	81·3 83·6	81.2		81.8				80.8	80.7	80·8 80·5	80 · 9 79 · 6	80·6 79·7	79.6	79•4	80•4 81•0
								- 1						1		}		1							
21 22	79•1 76•9	78 • 9 76 • 2	78 • 7 76 • 6	78•4 77•0	78 • 7 77 • 9	79·5 79·4			82·0 82·5		82•9 83•8	83·3 84·2		81·9 82·8	81.8	81·5 83·3	81.7	81.7	81·3 82·6	80·6 82·3	80·0 82·5	79·0 82·4	78•4 82•1	77•2 81•9	80·6 81·2
23	81.7	81.6	81.5	81.4	81.6	82.1	82.7	82.8	82.9	83-4	83-3	83.9	84.7	85•3	84.9	83.2	83.1	82-6	82.4	81.8	80.8	81.1	80-6	1	82.5
24 25			77•8 79•9	78 • 2 80 • 1		79·9 81·2				82.0	82·3 83·2	82 · 8 83 · 7		82·7	82·5 82·9	82·3 82·8	82.7			80·5 82·2	82.0	80·6 81·5		80.1	80•9 82•0
									1																
26 27		80·4 80·1	80·3 79·9	80·2 79·9		80.9					82.7	82·0 82·7		81.8		81·8 81·5	82·1 81·0	80.3	81·5 79·8	81.0 79.4	80·8 79·2	80·6 79·0	80 • 4 78 • 9	80·2 78·7	81·2 80·6
28	78 • 5	78 • 1	78 · 3	78.7	79.0	79.0	79.1	79•4	79•8	80 - 4	80-4	80.9	81.3	81.3	81.3	80.9	80.6	80 • 4	80.3	80.0	79•7	79-4	79-6	79•4	79•8
29 30		79•1 80•1	78 • 8 80 • 0	78 • 9 79 • 8	78 • 8 79 • 7	78 · 9 79 · 8	79 · 2 80 · 2	79•5 80•5			80·9 81·3	81·1 81·6		81.6 82.3		81·6 82·4	80·9 82·7	80·6	80·5 82·4	80·3	80.1	80·3	80·3	78 • 7	80·2 81·0
31	79•0	79•2	79•5	80•0	80•3	81.1	81.6	82-0	82.3	82-4	83•2	82-9	82.8	83.2	82.7	82.1	82.6	82.0	81.6	81.2	80.7	80.3	80.1	79・9	81.3
Mean	78•8	78•7	78•6	<u>78•6</u>	78-8	79•4	80•2	80•9	81.5	81.8	82•3	82•4	82•4	82•4	82.3	81.9	81.9	81.5	81-1	80•6	80•2	79•9	79•6	79-2	80•6

89.	ABERDEEN:	North	Wall	Screen	on	Tower:	$\mathtt{h_t}$	=	12.5	metres
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THINK.	1	O.	35

9. ABE	LUZZE	. 1101	on wa		COM	011 10		- U																	
Day	o _A	o _A	o _A	o _A	o _A	o _A	οA	οA	οA	οA	οA	OA.	o _A	οA	OA.	OA.	o _A	OA.	OA.	OA.	o _A	OA.	OA.	OA.	∘A 81•
1	79•6	79.5	79-6	79.4	79.5	79-8	80.2	80.9	81.2	81.4		81.6		82.3	82.2		82.2	82.3	82.0	81.1	80 · 8 80 · 5	80·5 80·5	80.4	80.4	80
2	80.4	80.3	80.3	80.1	80.3	80·3 79·6	80 • 6 78 • 7	80·9 79·1	81.0 79.5			81·9 80·4		80.0	80.2		80.1		80-4	80.3	79-6	80.1	80.1		80.
3	80·5 80·2	80.1	80.2	79·8 80·3	79•6 80•5	80-6			81.4			82.3		81.7	81.6		81.6			81.3	81.1	80-8	80-6	80.7	
5		80.8	80.9	80-9	81.0	80-9	80.9		80.8			80-7				80.1			80.3		80-0	80.0	79•9		80•
6	80.0	79•9	80.0	80-0	80-0	80-1	80-6	81.0	82.0	82.0	82-6	83.3	83•9		84.9	83.4		82.5		82.9	82.6	82-6	82-6	82.9	
7		83.0	82.8	82.6		84.5		85.0	85•0	85.3		84.3	85•7		84.7		83.4			83•5	82.9	83.1	82.9		84・
8		83.1	83.0	83.2	83.5	83-4		85•3	85.0	85•0		85.0	85.0			84.7	84.6	84 • 4	83.5	82.6	81.0	80.2	80-2	79.2	
9	78 • 7	78 • 6	78 • 7			81.8	83.8		85.1	85•0		85.4	86 • 1			85.5		84.1			83·3 82·1	82·6 82·3	82.2		83 82
10	82•2	82.5	82•4	82-6	82.8	82-9	83.0	83-2	83.7	83•7	83•7	83・4	83.1	82.6	82-4	82.3	82-1	82-0	82.0	85.1	82.1		i	1	1
11	82.0	82.0	82-0	82.2	82.4	82.6	83.0	85.5	86 - 7	84.6		86 • 6		85 • 4	85.5		84.4				83.8	83.8	83.7	83.7	
12	84.1	83•6	83.5					85 • 2	84.6			88 • 5			88.5			86 • 6			86 • 0	85.0		83.8	
13		82-9	82.5					86 • 2	85.7			85.5		87.8	85.1		84.3			84.8	84.1	83·0 83·7	83.9	82.7	
14	82.6	81.9	81·6 82·7	82·1 82·4	82.9		83.3		85•2 83•2			86 • 0	85 · 2 86 · 0		85·1 86·5						84.0	83.7			84
15	83.1	82-9	82.7	02.4	02.9	82.9	83•3	83-0	03.5	03.4		84.3	1			ĺ							1		ı
16	81.2	80•6	79-8		81-4				84-9			86 • 2	86•1		86 • 4						83.9	83.5	83.2	82.7	84
17	81.7	81.6	81.4	81.5	81.4	81.7		82.5	83-0			84.4			83.3						82.6	82-6	82.7	82.7	83
18	82.7	82.8	82-6	82-6	83.4			84.0	84.5			84.6			84.7						83·6 84·3		83.6		84
19 20	82•9 83•5	82 •6 8 3•5	82•2 83•6	82•4 83•5	83·2 83·5		85•8 83•7	86 • 2	86 • 0 83 • 9			86 • 4 87 • 0	86 • 2 86 • 6		86 • 2 86 • 6			90.2			88.1	87.1			85
21	85•4	85•4	85•5	85•9	85-9	86-1	87-8	86 • 7	87-0	8 7•5	89•0	90•9	90•2	90-8	93.0	94•0	92•7	90•3	88-8	89-4	90-1	89-1	87-6	87-9	88
22	87-6	86 • 2	85-4				88-9				90.7			92-9	93.0	91.7	90-8				88 - 9	89.0	88-1	87-6	89
23	86 • 2	85.9	85-6	86 • 9	86-9			87.8	88 • 7			86 • 6	87•2	88•3	88 • 9	88 • 7	88 0	87-9	86 • 6	86 • 6	86 - 8	85.5	86 • 5		87
24	86 • 9	86 • 6	86 • 3	85•5	86 - 2	86 • 0		86 • 9				86 - 1			88-6						87-2		85 • 9		86
25	85•2	85•2	85•1	85•0	85•1	85•6	86 • 0	86 • 4	87•4	89•0	90•5	87•5	88•2	87-4	87-6	90•1	86 • 3	86 • 5	88-6	88-4	87-4	86 • 5	87•0	87-0	8
26	86 - 8	86+8	85•3	85-8	86 • 4		86 • 9				87•5				88•2					86 • 6	86 • 3		87.2		81
27	87-0	87-2		87-9				88.7		88 2		88.3									88 • 4	87.9		87.3	
28	87.0	86 • 6	86 • 5			88 • 0	89.2				90 • 4				87.7				86 • 5 90 • 5	86 • 5	85·4 89·0	85·0 87·9	84 • 4	85 • 2	89
29 30	85.3	85•4			87-0	89.2		91·1 87·3	90·8 87·3		91·8 87·4	91.8	92·0 85·4		91·4 86·4		91·6 86·8					84.5			8
30	87•7	87-8	88-2	88.3	89-0	88-7	88.8	87.3	07.3	07.5	07.4	00.2	03-4	03-9	00-4	03.0	00-0	00-0	03-0	00.2	04 /	04.0	04 2	04.5	ľ
Mean	83.4	83-2	83.0	83.1	83.6	84-1	84.6	85•0	85•3	85.3	85•7	85.9	86 • 1	86-1	86 • 0	86 • 1	85•7	85•4	85•2	84•9	84-4	84.0	83.8	83.7	8
Hour							-				-	 	 -	-						-		00		0.4	t.
. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me

90. ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulb above ground) = 12.5 metres

JULY, 1935

Day CA CA CA CA CA CA CA C			_														- -									
1		1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Secondary Seco	Day			_					1	1																°A
3 86-9 85-6 84-6 85-0 85-2 85-	2																									85 • 4 88 • 1
5 87.7 87.5 87.1 87.0 87.0 87.4 86.9 87.9 89.0 89.4 89.0 88.6 87.5 88.6 87.5 86.4 86.0 85.7 85.6 85.1 85.0 87. 6 85.1 85.0 84.7 84.8 84.9 85.1 85.9 83.8 84.4 84.6 85.9 87.9 90.0 90.0 90.0 90.0 90.0 90.0 90.0 9	3											()						87.0	86 • 0	85 • 8		85•3	85.7	86 • 9	87.1	87.5
6 85-1 85-0 84-7 84-8 84-9 85-1 85-9 83-8 83-8 83-9 85-1 85-9 83-8 83-8 83-9 85-9 83-8 83-8 83-8 83-8 83-9 85-9 83-8 83-8 83-9 83-8 83-8 83-9 83-8 83-8	5																									89.8
7 83-4 82-6 81-6 80-7 82-0 84-3 87-6 87-8 88-6 88-8 88-8				l					[]	**	•••		000				000		00 4	00 0	""	03.1	00.0	00-1	00.0	07-4
8 87-3 86-6 86-0 86-0 85-6 86-8 88-0 89-6 91-7 92-0 92-4 92-9 93-1 93-6 91-9 91-2 91-2 91-2 90-4 89-3 88-1 88-0 87-6 86-1 88-1 88-1 88-1 88-1 88-1 88-1 88	-																									
9 86-3 85-6 85-6 85-6 85-6 85-9 86-9 86-1 89-6 91-0 90-5 89-7 80-1 92-2 91-5 91-9 92-5 91-9 92-5 91-9 92-2 91-2 89-2 89-2 89-2 89-2 89-2 89-2 89-2 89	8	1																								89.9
11 86-1 86-1 86-7 85-8 86-5 87-3 88-0 86-4 89-3 89-6 89-0 89-0 89-0 89-2 89-3 88-9 88-7 88-2 87-6 87-7 87-2 86-9 86-8 87-1 87-3 87-6 88-0 88-6 89-0 89-0 89-2 89-3 88-9 88-7 88-2 87-6 87-7 87-6 87-1 87-1 87-1 87-1 87-8 88-9 88-7 87-2 87-9 87-1 87-1 87-1 87-1 87-1 87-1 87-1 87-1	9															92.9	92.2	91.2	90.4	89.3	88.1	88 • 0				89•0
12 86-3 85-7 85-3 84-9 85-9 86-8 87-1 87-1 87-2 87-6 88-0 88-0 89-0 89-0 89-2 89-2 89-3 88-9 88-7 88-2 87-6 87-7 87-6 87-1 87-1 87-1 87-1 87-1 87-1 87-1 87-1	10	87•2	86.9	87.7	87.0	88.1	89•6	91.0	90.5	89.7	90•1	91.3	92•3	93.0	92.9	91.3	88.6	88.0	87.5	87.4	87.5	86.3	86•0	85 • 8	86.1	88•8
13 87-2 86-9 86-6 88-6 88-7 87-1 88-1 91-4 91-2 92-2 94-4 84-4 83-9 94-6 93-0 93-6 93-4 93-7 95-0 98-8 95-2 92-0 90-6 89-4 89-6 91-1 88-5 88-5 88-5 85-5 85-6 85-7 86-1 85-7 86-1 86-3 86-3 86-4 87-6 87-1 87-1 87-8 88-0 88-3 88-4 87-1 87-1 87-8 88-0 88-3 88-4 87-1 87-1 87-8 88-0 88-5 88-7 87-9 87-0 86-8 87-9 87-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-1 88-1 85-7 88-									88•0	88•4	89•3	89-6	89•3			88.9	89-2	89.4	89.2	88 • 5	87-7	87.2	86 • 7	86 • 3	86.1	87-7
14 88-5 88-2 86-8 86-1 85-5 85-5 85-6 85-7 86-1 86-1 88-3 86-3 88-4 87-6 87-1 87-6 89-0 88-5 88-6 87-0 87-6 88-5 87-9 87-0 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-6 87-0 87-6 88-5 88-8 88-8 88-8 88-8 88-8 88-8 88																										87-6
15 83-0 83-9 84-9 84-9 84-9 85-1 86-3 87-1 87-1 89-0 88-5 88-6 90-0 89-0 90-0 91-0 92-0 91-4 90-9 89-9 89-3 88-5 87-9 87-0 86-3 87-1 87-1 89-0 88-5 88-6 90-0 89-0 90-0 91-0 92-0 91-4 90-9 89-9 89-3 88-5 87-9 87-0 86-3 87-1 87-1 89-0 88-3 88-4 87-1 87-6 87-1 87-6 88-1 87-6 87-1 87-6 88-1 88-0 87-4 87-1 87-6 88-1 88-0 88-9 87-1 88-0 88-9 87-1 88-0 88-9 87-1 88-0 88-9 87-1 88-0 88-9 87-0 86-8 86-2 87-3 86-0 85-2 84-6 84-3 83-3 88-1 88-9 87-0 88-5 88-5 88-6 88-0 87-1 88-0 88-9 88-1 88-1 88-1 88-1 88-1 88-1 88-1																	1								1	91.2
17																					1				4	87.9
17	14	05.2	84.2	05.2	05.1	05.0	97.0	07.6	90.5	03.2	07.2	03.0	00.0	00.4	00.00											
18 82-8 82-2 81-3 81-2 82-1 84-6 86-9 87-1 88-0 88-9 86-4 86-6 86-0 87-0 88-8 85-6 86-8 86-6 86-7 87-9 88-5 87-9 87-5 86-6 86-8 86-6 86-7 88-6 86-8 86-6 86-7 88-6 86-8 86-6 86-8 86-6 86-8 86-6 86-8 86-6 86-8 86-6 86-8 86-																										86.3
20 85.7 85.2 85.8 85.5 85.9 85.6 86.8 87.0 87.4 86.9 87.6 87.0 87.6 86.8 86.6 86.3 86.0 84.9 84.1 83.9 84.5 84.4 86.4 86.2 81.9 86.2 81.5 81.4 80.2 79.9 80.8 83.7 86.0 86.6 86.0 86.9 87.2 89.4 90.7 91.3 91.5 95.2 96.4 95.9 95.1 94.1 92.0 91.0 90.0 89.8 88.2 89.3 88.3 87.9 86.2 88.7 89.4 90.3 90.5 93.2 93.4 95.4 97.3 95.8 96.6 95.8 96.5 96.3 92.4 89.1 89.2 87.7 87.9 87.5 86.2 91.2 86.7 86.6 86.2 85.7 85.8 86.7 88.0 88.6 90.8 90.8 90.8 92.0 93.0 93.7 93.6 92.4 89.1 89.2 87.8 88.3 87.9 86.9 85.9 85.6 88.5 88.4 88.6 88.5 88.4 88.5 88.4 88.7 87.9 85.6 88.5 88.4 88.5 88.4 88.8 87.2 86.9 87.4 88.0 88.6 88.6 88.6 89.0 89.8 89.3 90.0 88.8 89.0 89.8 89.0 89.8 89.0 89.8 89.0 89.0														86 • 0	87-0	86.8	85•6	86 • 4	85-2	85.6						85.0
21																										85.5
22 81.5 81.4 80.2 79.9 80.8 83.7 86.0 86.6 86.0 86.9 87.2 89.4 90.7 91.3 91.5 95.2 96.4 95.9 95.1 94.1 92.0 91.0 90.0 89.8 88.7 89.4 90.3 90.5 93.2 93.4 95.4 97.3 95.8 96.6 95.8 96.5 96.3 92.4 89.1 89.2 87.7 87.9 87.5 86.2 91.2 85.7 86.6 86.2 85.7 85.8 86.7 88.0 88.4 89.8 90.2 90.6 91.0 91.0 90.9 91.0 90.9 90.4 89.1 88.3 87.9 86.9 85.9 84.7 87.9 87.5 85.8 86.7 88.6 86.7 88.0 88.6 90.8 90.8 92.0 93.7 93.6 92.4 89.7 90.6 90.5 89.8 89.3 88.7 87.9 87.9 87.0 85.6 89.2 87.3 88.5 88.4 89.8 90.8 90.8 90.8 90.8 92.0 93.0 93.7 93.6 92.4 89.7 90.6 90.5 89.8 89.3 88.7 87.9 87.9 87.0 85.6 89.2 87.0 85.6 89.3 88.7 87.9 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 88.7 87.9 87.0 85.6 89.3 89.0 89.3 89.0 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7		00.7	00-2	03.0	00-0	05-8	00-0	00-0	07-0	01.5	07-4	00.9	01-0	07-0	87.6	00.0	86.6	86.3	86.0	84.9	84.9	84.1	83.9	84.5	84.4	86.0
23 89-3 88-3 87-9 88-2 88-7 89-4 90-5 93-2 93-4 95-4 97-3 95-8 98-5 98-3 92-4 89-1 83-2 87-7 87-9 87-5 88-2 93-2 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-7 88-8 88-8 88-7 88-8 88-8 88-8 88-7 88-8 88-8 88-8 88-7 88-8 88-																									1	86•1
24 85.7 84.9 84.9 84.6 85.1 86.2 87.3 88.4 89.8 90.2 90.6 91.0 91.0 90.9 91.0 90.9 90.4 89.1 88.3 87.9 86.9 85.9 84.7 85.6 88.7 85.8 86.7 85.8 86.7 88.0 88.6 90.8 90.8 90.8 92.0 93.0 93.7 93.6 92.4 89.7 90.6 90.5 89.8 89.3 88.7 87.9 87.0 85.6 89.8 89.3 88.7 87.9 87.0 85.6 89.8 89.3 88.7 87.9 87.0 87.8 88.0 88.7 87.9 87.0 87.8 88.0 88.7 87.9 87.0 87.8 88.0 88.7 87.9 87.0 87.8 88.0 89.0 89.1 88.5 88.4 88.5 88.5																										88•3
25 86.7 86.6 86.2 85.7 85.8 86.7 88.0 88.6 90.8 90.8 92.0 93.0 93.7 93.6 92.4 89.7 90.6 90.5 89.8 89.3 88.7 87.9 87.0 85.6 89.2 85.4 86.5 86.7 86.6 86.5 86.7 86.6 86.7 86.7																									1	88.0
27 88-6 88-5 88-4 88-6 88-6 88-6 88-8 89-0 89-4 89-4 89-0 89-9 83-5 83-6 83-2 83-8 83-0 83-2 83-8 83-1 83-9 83-5 83-6 83-2 83-6 83-2 83-8 83-1 83-9 83-5 83-6 83-9 83-1 83-9 83-9 83-1 83-9 83-9 83-1 83-9 83-9 83-9 83-9 83-9 83-9 83-9 83-9	25	86 • 7	86 • 6	86•2	85•7	85•8	86 • 7	88•0	88•6	90•8	90•8	92•0	93•0	93•7	93•6	92-4	89-7	90•6			89•3					89•2
27 88-6 88-5 88-4 88-6 88-6 88-6 88-8 89-0 89-4 89-4 89-0 89-9 83-5 83-6 83-2 83-8 83-0 83-2 83-8 83-1 83-9 83-5 83-6 83-2 83-6 83-2 83-8 83-1 83-9 83-5 83-6 83-9 83-1 83-9 83-9 83-1 83-9 83-9 83-1 83-9 83-9 83-9 83-9 83-9 83-9 83-9 83-9	26	85•4	84-9	84•3	83-9	84-6	84-6	86 • 1	86 • 9	87•0	87-8	88•4	88-1	88•5	88•4	88.8	87.2	86.9	87-1	87.3	87.8	88.7	88.5	88.5	88.7	86 - 9
29 84·4 83·7 83·5 82·6 83·2 83·8 84·1 85·0 84·8 85·2 85·9 86·4 88·6 88·9 89·3 86·9 88·9 88·9 88·9 88·9 88·9 88·9 88·9	27	88 • 6	88 • 5	88 • 4	88 • 5	88 • 4	88 • 6	88 • 6	89.3	90•0	88 • 8	89•0	89•7	89.7	89•5	92.3			92-2	90 • 4	1				1	89.5
30 83.4 83.1 82.9 82.6 83.2 84.2 84.4 84.9 85.2 85.7 86.4 88.6 88.9 89.3 88.9 88.9 88.8 88.1 87.1 85.0 83.8 82.9 81.8 85.2 82.9 83.5 83.6 83.9 85.1 86.3 87.2 88.8 90.2 91.7 92.3 92.0 91.0 90.7 89.3 89.8 88.8 88.3 88.1 87.8 87.4 86.4 85.9 87.4 86.4 86.4 85.9 87.4 86.4 86.4 85.9 87.4 86.4 86.4 86.4 86.4 86.4 86.4 86.4 86					:																					87-6
31 82.2 82.9 83.5 83.6 83.9 85.1 86.3 87.2 88.8 90.2 91.7 92.3 92.0 91.0 90.7 89.3 89.8 88.8 88.3 88.1 87.8 87.4 86.4 85.9 87.																										84·9 85·5
		00.0	00.0	00.5														1								
Mean 85.5 85.1 85.0 84.8 85.2 86.2 87.1 87.8 88.4 88.9 89.3 89.8 89.9 90.0 90.0 80.6 89.5 88.8 88.4 87.8 87.0 86.5 86.1 85.6 87.	31	82.2	95.9	83.2	83.6	83.8	82.1	86.3	87.2	88.8	90.5	91.7	92.3	92.0	91.0	90.7	89.3	89.8	88.8	88•3	88.1	87.8	87-4	86.4	85.9	87.5
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Mean	85•5	85•1	85•0	84.8	85•2	86 • 2	87•1	87•8	88•4	88•9	89•3	89•8	89•9	90•0	90-0	89-6	89•5	88-8	88•4	87.8	87.0	86 • 5	86 • 1	85•6	87-6

91.	ABERDEEN:	North Wal	l Screen	on	Tower:	\mathtt{h}_{t}	=	12.5	metres
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AUGUST, 1935

															,				_	_					
Day	OA	o _A	O _A	O _A	0A	0 <u>A</u>	OA .	O _A	O _A	O _A	O _A	O _A	0 <u>A</u>	0.4	O _A	Ao A	0A	OA.	O _A	0A	O _A	o _A	0A	O _A	۰,
i	84.4	83.5	84.2	83-4	84-3	85.3	87-3	89.5	91.5	91.7	91.8	92-4	92.3	92-4	91.5	91-8	91.1	89-8	89.7	87-3	86.8	86 - 5	86 - 2	86-0	88.4
2	85.7	85-6	85.5	85.5	85.3	85.5	86.1	87.1	87.5	88 - 2	88 • 0	87.7	87.3	87-4	87-5	87-9		87-8	86 • 9	86.3	86 - 2	86-0	86 • 1	86-0	86 • 7
- 3	85 • 9	85•6	85 • 5	85•4	85-1	85•6	87-1	87-2	88-1	87-8	87-6	88 - 2	88•9	88-6	88.1	88 - 5	87.9	88 - 2	88.3	88.3	88.3	88 • 4	87-8	87-6	87-4
4	87•7	87-8	87-6	87.5	87-3	87.5	88.9	90.1	91.2	92-1	92.6	94.1	93•5	93.2	93.6	91-2	92-1	92-1	90-7	90 • 4	90 • 2	90.0	89-6	89-5	90 • 4
5	89•3	89-2	89.1	89•0	89-0	89.7	90•4	90.2	91.2	91.1	90•4	91.8	91.2	91-8	91.1	90.1	89-2	88•8	88•9	89-2	88-8	88-3	87-5	87.9	89•7
6	88•3	88-4	88.3	87-8	87-5	87-9	88-6	88•9	89-1	89•6	91.3		91.2	91.3	91•9	92.0		90-9	90-1	88•9	87-9	87-2	86-3	86 • 4	89-4
7	86 • 5	86 • 7	86.5	85-4	86 . 2	87-9	89-4	90.9	92.1	93-3	94.0	94.2	94.0	92-2	91.8	91.1		92.0	90.9	91-1	91.3	91.4	91.8	91.4	90 • 4
8	91.4	89-6	89.7	89.0	89.5	90.2	90.9	91.4		94.2	94.0	94.2		89-4	88-4	87.1	86 • 9	86.3	86 • 0	85.9	85-8	85 • 7	85-8	85-9	89-4
.9	85.7	85-6	85.8	85.7	85.8		86 • 2	86.9		89-4	90.1	90.1	90.4	90.6	90.6				89.3	90.0	89-1	89-2	89.0	88.6	88.3
10	88•2	87•5	87-2	87-0	87-1	87-2	87-9	88.3	88-9	89.1	90.1	90•6	90•7	91.2	91.0	91.2	91.8	91.4	91.1	90-7	90-4	90-4	90-1	90-0	89-5
11	89-6	89-4	89-4	90-0	90-5	90.6	90-8	89-0	87-4	86-1	87-8	88.8	89•3	89-2	87-6	87-1	86.8	85-8	85-4	85-2	85-1	85-0	84.6	84-7	87-8
12		84.1	84.0	82.9	81.9	81.6	83.8	84.8	85-8	86 - 8	87-2	86 • 4	85•1	85-9	85 - 9	86-1	85.6	85-2	84.8	83.8	81.4	82-2	82-0	80-7	84.4
13	81.4	81.2	80.1	79・4	80.1	80.8	83.0	84.3	85.9	87.2	88-0		89•0	88 • 7	89-4	90 • 2		88-9	88-0	87-0	86 • 8	86-8	85-9	85-9	85-6
14		85 •3	85•4	85 • 2						88-0	89.0	89•5		89 • 2	88.6	89-3			87-9	87-2	87-0	86 • 5	86.3	86.1	87-2
15	86•0	85•5	85•6	85•4	85-5	85.7	86 • 5	87.4	88-8	88•9	89•3	90•0	89•5	89.5	89•4	88 • 5	88 • 2	87-4	86 • 9	86-0	85 • 7	85-6	85.5	85-5	87-2
16		85•4		83-9		84-1				88 • 6	89 • 2	88 • 7							87-1	87-0	86 • 6	86 - 5	86-4		86 - 7
17	86.5	86.3	86 • 4	86 • 4	86 • 6	86.7	87.1	87.1	87-8	88.3	88.0	88.3	88 • 2	88.1	87.9			87-6	87.4	87-2	87.1	87-2	87-2	87-2	87.3
18		87.2		87.2	87-0		87-6	88-3	90.6	80.0	90.5	92-0		91.9	91.1			90-3	89.9	89.6	87.4	87-9	88.0		89.
19	87.5	86.9		86 • 7	86.8		88 • 5	89.8		90-5	91.3			91.2	94.8				92.7			90 • 4	1		90.6
20	89•3	88•6	88•3	88•5	88-9	89-5	89-5	92.0	93•5	93•5	93.9	.94•1	93•5	94-9	92-9	93•4	93-4	93-4	91-9	90.5	90-6	90-1	89-5	88-6	91.4
21	88-8	88 • 7					88.1	88 • 5	89.9	90-6	91.0	91.2		90 - 7	91.3	91.3		91-8	90-9	88-2	86-3	85-5	84-5	84.0	89-1
22		82-5	82.1							89-5	89.9	89-1			89.3				87.9	87-6	87.4	87-2	86 • 6	86 - 2	86 ⋅ 6
23	85 • 9	85.8	86.0	86-6	85.9		86 • 6	88.8	90•4	89.7	90.7	91.4	90•3	91.8	91.1	91.8	91.1	90-7	90 • 5	89-9	88 • 9	88-0	87.9	88 • 0	88 - 9
24		87-6		87-6	87-6		87-9		89-8	90-6	90-3			90.0	90-1					88-8	88.1	87-9	87.5		88 • 8
25	87-1	87-0	86.8	86 • 5	86 • 4	86-2	86 • 5	86 • 9	87-0	87-5	87-7	87.8	87•7	87-6	87-3	87-6	87-7	87-1	86.9	86 • 5	86 - 4	86-5	86-0	85-8	87-0
26	86.1	86 • 5		85-9	85-6			86 • 0	86-2	87-3	88-6	89-0	89•4	90-4	89-5	88-8	87-0	86 - 6	86-1	86-0	85 - 2	85-0	84-9	84.9	86 -
27	84-5	84-3	83-7	83-7	83.5	83-4	83-5	83-8	85-0	84-3	85-2	85-9	86 • 3	86 1	86 •0	85-3	85.3	85-0	84.9	83.9	83-5	82-8	82-4	81.7	84.4
28		80 • 9	80-9	81-2	81-1				85 • 2	85.2	85-5	85.6	85.1	85.0		85-5	85.1	84-8			83.5	83-0	83-0		83
29	82-9	82•8	82-6	83-4	84.0					86-8	87-0	86 • 5	86 • 7	87-0			86 • 3				85-1	84-4	84.3		85
30	84•0	84+3	83•9	83•5	83-4	83-1	82.9	83•4	84-6	84-9	85-3	85-6	86 •0	86 • 6	87.1	86 - 5	86 • 7	86 - 4	86.0	85-9	85-9	85-9	85.9	85-6	85.
31	85•6	85•5	85-5	85•6	85-6	85-7	85•9	86 • 4	86 • 4	86•3	86 • 6	8.7-7	88 • 2	89-0	89-4	89-2	89•5	89-3	88-4	87-9	87-6	87-1	86.3	86-1	87.
Mean	86•2	86-0	85•9	85 • 7	85•7	86-0	86 - 8	87-6	88•7	88•9	89-4	89-8	89•7	89-6	89-5	89-3	89-1	88 • 7	88 • 2	87-6	87-1	86 • 9	86-6	86 - 4	870
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	20.01

92. ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulb above ground) = 12.5 metres

SEPTEMBER, 1935

Hour	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17 -	18	19	20	21	22	23	24	Mear
G. M. T.																	-								
Day 1	∘A 85•8	°A 85∙7	°A 85∙3	o _A 84∙9	°A 84∙4	o _A 83∙5	°A 85∙5	96 • 9	0A 88∙2	89•3	90·1	ο _Α 90∙5	°A 90∙2	°A 89∙7	°A 89∙4	A° 0-88	°A 87∙6	0A 87∙0	96 • 8	°A 86∙4	°A 86∙6	o <u>A</u> 86∙9	o _A 86∙7	0A 86∙9	°A 87∙0
2	86·7 84·9	86 • 5 84 • 9	86 • 9 83 • 8	86 · 8	86 • 8 83 • 6	86·9 84·1	86 · 8 85 · 3	86 · 8 86 · 2	87·4 87·5	87·5 88·3	88•6 88•7	88•5 90•2	88 • 5 90 • 5	88 • 2 90 • 5	87•7 90•6	88•8 90•6	89•3 90•0	88·6 89·1	87·7 87·5	86 • 5 86 • 4	86·5 85·7	86 • 4	85·9 84·1	85·2 83·8	87•3 86•9
4	83•4	82.9	82.9	82•6	82.7	82.9	84.2	85•5	86.0	85.6	87.0	88•0	87.9	86 • 6	86 • 0	85.9	85•9	85.5	85.5	85-0	84•4	84.5	83-9	83.9	84•9
5	84•0	83•6	83•3	83.2	83•3	83•2	83•3	84•2	84.7	85.1	86•0	85•3	86•0	86•0	86•5	86•2		85•3	83•6	82•7	81.6	81.9	82•1	81-7	
6 7	81·7 80·4	81.6 81.3	81·4 80·5	81.6 81.0	81.6 81.0	81·8 81·2	82·7 81·7	83·6 82·1	84·5 83·9	84.8	86·1 85·0	86 • 0 85 • 1	86 • 4 85 • 4	86 • 7 85 • 1	86 • 6 85 • 0	86.5	86·1 84·6	84·9 84·0	83.6	83·0 81·4	82.4	82·7 81·7	82·3 81·4	81·9 81·3	83 • 7 82 • 8
8	80·9 79·7	81.0 79.7	81.0	81.1		81.3	82-4	83.3	83.8	84.0	84·4 84·1	84·8 84·5	84.9	85•0	84·5 85·0	84-4	84•3	84.0	83.0	80 9	79.1	79•0 83•5	79•3	79-4	82•4
10	83.6	83.8	79·9 84·1	79·9 83 ·6	83.7	80·4 82·6	81·1 83·7	82·2 84·7	83·2 85·7	83·6 86·1	86.6	87.3	84·6 87·3	84·9 86·9	86.3	84·7 86·3		84·1 85·4	83•3	83•6 85•4	83·6 85·5	85•4	83·5 85·0	83·7 85·2	82 • 7 85 • 2
11	85•2	85•4	85•0	84.9	84.5	84•5	84•9	86 • 5	87•7	88•5	88•7	88•6	88•8	89•5	89•1	89•5	88•5	88•0	87•6	87•3	87-3	87•1	86.0	86.3	87-0
12 13	86·1 86·1	85 • 6 86 • 7	84·8 86·9	84 • 5 86 • 6	83·4 86·4	83·5 86·1	84•5 86•2	85•8 86•9	86 • 5 87 • 2	86 • 5 88 • 2	86 • 2 89 • 0	86 • 2 89 • 6	86 • 5 90 • 3	86 • 6 90 • 3	87•0 90•5	86·9 90·1	86 • 6 89 • 2	86 • 6 88 • 6	86 • 6	86 • 7 86 • 8	86 • 6	86 • 6 86 • 4	86 • 2		
14 15	86 • 4	86•3	86 • 3	86•3	85•9	85-9	86.1	85-9	86.3	87-4	88-3	88 • 2	87-7	88•2	88-7	89-2	89-1	88 • 5	87.5	86 • 6	86 • 6	86.1	86.0	85-6	87-1
	85•3			85•2	85•3	85•4	85•5	86 • 0	86 • 8	87•0	86 • 2	86 •0	86•0	86•8	86-8			86 • 4	85•9		84•0	84•1			85•7
16 17	83·5 84·3	83•7 84•0	84•0 84•4	84•1 84•9	84•4 83•7	84•4	84·8 83·9	84.8	85 · 7 86 · 0	87·1 87·9	88•3 86•3	89•0 85•4	90 · 2 83 · 5	90·1 83·9	89•9 84• 5	88•7 84•8	88•3 84•9	87•0 84•7	86.3	85·5 85·2	85.5	85·5 84·2	85·4 84·4	85.0	86 • 3 84 • 8
18 19	84•5 84•4	83•7 84•4	83•0 84•5	82 •6 84 • 6	83·9 85·3	83•8 86•2	83•1 88•0	84•6 88•0	86 • 6 88 • 4	87•7 89•4	88 • 5 89 • 4	88 • 9 89 • 9	89•0 89•5	89•3 88•8	89•5 88•4	88 • 2 89 • 1		86 • 3 87 • 8	85•5 87•2		84·3 86·9	84·3 87·1	84·1 86·9	84.4	85 • 8 87 • 3
20	86.5	86 • 4	86 • 2	86 • 1	85•6	85.7	85•6	86.0	86.9	87•7	88-4	86 • 5	88.6	89-2	88.8	88.5	87-6	87-1	86 • 2	85.5	85.0	84.8	83.7	84.1	
21	82.5	81.9	82.0	81.8	81-2	81.3	81.8	84•5	85•8	86 • 5	87-5	88-0	88•0	87•9	87•5	87•3	87•0	86 • 0	84-9		83•1	83*0	82•8		84•6
22 23	83·3 81·5	83.6 81.7	83.0 81.8	84.1	84.0 81.3	83·2 82·1	83·6 81·6	83•6 82•7	83•1 84•0	83.0	82·9 85·3	82•4 85•7	82•4	82·6 85·6	82•7 85•6	82·6 84·6	82·5 85·1	82•2	81.7		81.5	81·5 82·5	81.4		82 • 7 83 • 3
24 25	81·6 79·3	81.6 78.9	81·3 79·6	79•9 79•9	79•8 79•2	78 • 7 79 • 3	79·2 79·9	81·6 80·3	82•8 81•8	83•6 82•6	84·3 82·3	84·6 84·1	84•6 84•4	84·1 84·1	84·1 83·4	83·9 83·6	83·8 83·1	83•7 82•2	82·2 80·7	81.3	79•9 79•8	79 • 2 78 • 8	78 • 5 79 • 2	78.1	81·8 81·1
				,	,														1	[l				
26 27	78•3 83•7	78 • 6 83 • 7	77•7 83•6	77•4 83•0	77•3 82•5	77•8 82•2	77·4 81·7	79•3 83•2	81•2 85•0	82•6 86•7	83•8 88•0	83•8 89•2	84•0 89•4	83•9 88•0	83 · 8 88 • 2	83 · 8 88 · 6	83·5 88·2	83·5 86·9	83.5		83·7 84·2	83•7 83•6			81·6 85·3
28 29	84·1 79·3	84·0 79·6	84·3 79·7	84·4 78·6	84·4 79·5	84·0 79·5	84·1 80·8	84.6 82.8	85 •0 83•8	85•1 84•6	85·2 85·3	84•4 86•0	84•0 86•5	83•9 86•4	83·9 86·0	83·8 85·7	83·5 85·2	82•9 85•0	82·5 84·9	82·1 84·7	82.0 84.6	82·0 84·8	81.5	81·1 84·5	83·7 83·4
30	84.3	84.2	84-0	83.8	83.0	81.7	81.9	82.4	82-9	83.6	84.1	84-4	83.7	84.1	84.1	83.5	83.4	82.9	81.8	81.1	80-3	79•9	79-1		82.7
																							<u> </u>	<u> </u>	_
Mean	83•4	83.3	83.2	83•1	83•0	82•9	83•4	84•3	85•3	86•0	86 • 5	86•7	86 • 9	86•8	86 • 7	86•6	86-2	85•6	84.9	84.3	83.9	83•7	83-4	83•3	84 • 7

93. AB	erdeen:	North 1	Wall	Screen	on	Tower:	ht.	=	12.5	metres
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93. ABEF	RDEEN:	Nor	th Wa	ll Sc	reen	on To	wer:	ht =	12.5	metre	s											0	CTOBE	ZR, 19	935
Lay 1 2 3 4 5	°A 78•7 78•0 83•9 82•8 84•0	°A 78•0 77•8 84•0 83•2 83•9	°A 78•7 77•3 84•1 83•3 83•8	°A 79·1 76·6 84·1 83·4 83·8	78.6 75.9 84.3 83.3 83.4	°A 78·3 75·5 84·4 83·2 83·3	∘A 78•1 75•3 84•4 83•£ 83•3	°A 79•7 77•0 84•4 83•0 83•3	°A 79·2 81·2 84·6 83·7 83·3	0A 82.5 83.1 84.8 84.8 83.0	0A 84·2 83·7 84·8 85·0 83·0	0A 84.8 84.4 84.7 85.6 83.1	% 85.0 84.0 84.8 86.1 83.3	0A 85.2 84.3 84.7 85.5 83.7	0A 84.6 84.5 82.8 85.5 83.6	oa 84.8 84.4 83.1 85.4 83.4	oA 84·1 84·1 83·5 84·9 83·6	oA 82·4 83·9 83·2 85·0 83·1	0A 81.0 83.9 83.0 84.9 82.4	0A 80.2 83.6 83.0 84.2 82.1	0A 79·6 83·8 82·7 82·7 82·5	o _A 79·4 83·8 82·7 83·5 82·8	0A 79·6 83·7 82·5 83·5 82·8	0A 79·1 83·7 83·1 84·2 83·3	81.0 81.0 83.0 84.0 83.0
6 7 8 9 10	83·1 79·9 82·8 78·4 80·3	83·1 79·6 83·1 78·1 78·8	83·1 79·3 83·1 78·6 78·2	83.6 78.3 83.2 78.5 78.3	83.7 78.1 83.2 78.2 77.2	83.7 77.7 82.8 78.2 78.5	83·4 76·8 82·4 77·7 78·4	83·1 78·7 82·5 79·1 78·6	83·4 80·2 82·4 80·1 80·3	83.4 81.7 82.8 81.2 81.6	82·4 83·7	84.0 84.0 84.4 81.6 82.5	83.9	84·3 84·4 85·5 82·1 84·1	84·3 84·9 85·4 82·5 83·9	82.5	83·3 83·8 83·2 81·7 82·1	82.4 82.8 82.0 81.2 80.9	81.9 80.9 80.6 80.7	81.8 80.5 80.4 80.3	80.6 82.2 80.3 80.6 79.9	79.8 82.1 79.7 80.8 79.7	79.6 82.2 79.6 80.7 79.6	79·8 82·4 79·2 80·7 79·4	82 · 81 · 3 82 · 3 80 · 3 80 · 4
11 12 13 14 15	79•2 79•0 82•4 85•4 84•6	78·5 77·8 82·6 85·7 84·6	78·1 77·4 82·8 85·8 84·7	77·4 77·6 82·3 85·0 84·7	78 · 2 73 · 0 82 · 6 83 · 9 85 · 0	78.0 76.6 82.7 84.4 84.5	78·1 76·4 82·5 83·9 84·1	79·2 78·2 82·9 84·1 83·9	80.5 80.4 83.9 85.4 84.0	81.6 81.0 84.2 85.6 83.6	82.8 81.6 84.6 86.4 83.5	83.7 83.3 85.4 86.5 83.8	85.6 86.6 84.2	83.8 85.1 85.5 86.5 84.4	85•0	84·9 86·3 85·0	81.5 84.5 84.9 85.8 85.1	80.6 84.1 84.9 85.3 85.5	80 • 0 83 • 6 84 • 9 85 • 4 85 • 6	79.6 83.7 84.6 85.0 85.5	79·4 83·4 84·3 84·7 86·3	84·4 84·4 86·1		78 • 4 83 • 0 85 • 5 84 • 6 86 • 0	80 · 3 81 · 3 84 · 0 85 · 3 84 · 9
16 17 18 19 20	86.0 80.8 78.5 80.2 79.1	85 • 7 80 • 7 78 • 9 80 • 7 79 • 1	85.0 80.8 79.0 80.8 78.8	83.6 80.5 79.0 80.9 78.2	81.7	83.7 81.7 78.7 81.6 77.0	83.7 82.5 78.3 83.0 75.5	83.2 83.8 78.6 82.3 76.0	83·8 85·0 79·7 82·4 77·1	85·1 84·3 80·5 82·6 77·3	81·1 81·9 76·6	81.6 82.4 76.8		86 · 0 84 · 5 81 · 3 82 · 9 77 · 3	82·1 82·3 76·3	75•5	83·9 81·2 83·3 81·3 75·6	83 · 2 80 · 3 83 · 6 80 · 5 75 · 4		81·4 79·4 85·4 79·4 74·5	81.2 79.0 83.6 80.1 74.4	80 • 9 81 • 0 83 • 0 80 • 5 73 • 9	80.5 79.6 81.8 79.4 74.5	80·5 78·7 81·0 79·9 74·3	83.6 81.6 81.3 76.4
21 22 23 24 25	73-8 73-5 78-5 81-0 81-4	74.8 73.5 78.1 81.2 81.3	75·3 73·4 77·9 81·5 81·4	75.0 73.8 77.8 81.3 81.2	75·3 73·8 78·0 81·3 80·7	75.6 73.8 78.7 81.0 80.8	75 • 4 73 • 7 78 • 9 81 • 2 80 • 9	76 • 0 73 • 7 79 • 9 81 • 1 81 • 0	76.6 74.7 80.6 81.2 81.3	77 • 2 76 • 5 80 • 8 81 • 6 81 • 4	81.3	77.1 79.3 81.5 81.5 81.2	78.5 79.7 81.3 81.8 81.7	76 • 4 79 • 7 81 • 4 82 • 1 81 • 7	76.9 79.6 81.3 82.0 81.8	76.6 79.4 81.6 81.8 81.7	75.0 78.6 82.1 81.9 81.6	75.4 78.5 82.3 81.8 81.5	81.8	74.5 78.5 82.6 81.5 81.3	73.7 78.0 82.7 81.5 80.5	78 • 4 82 • 3 81 • 4	73.6 77.9 81.5 81.3 77.5	73·4 78·6 81·2 81·3 77·5	75 · 5 76 · 7 80 · 6 81 · 5 81 · 6
26 27 28 29 30	77.1 80.2 79.6 81.7 77.2	77.0 79.6 79.5 81.6 77.4	77.0 80.0 79.4 82.2 77.6	78.5 79.7 79.0 82.2 77.5	78 • 6 79 • 4 79 • 1 84 • 8 77 • 5	78·9 79·5 79·1 84·6 76·3	79•5 79•5 78•9 83•9 76•3	79•7 79•5 78•1 83•4 77•5	80.0 79.5 80.0 83.1 78.8	80 • 5 79 • 5 80 • 6 83 • 3 80 • 5	81.0	83.8 79.7 81.5 82.4 82.2	83.7 80.0 82.0 82.3 80.7	84.5 80.0 81.8 80.6 80.8	84.8 80.0 82.0 80.7 80.9		83•7 79•9 81•9 78•9 79•2	79-8	81.6 79.8 81.5 77.6 78.3	80.5 79.8 81.7 78.1 78.2	80.5 79.9 81.5 76.7 78.0	80 • 4 81 • 4 77 • 2	80 • 4 80 • 2 81 • 4 77 • 2 77 • 3	80.0 80.0 81.5 77.4 77.0	80 · 8 79 · 8 80 · 9 80 · 9 78 · 6
31 Mean	77•0 80•3	76·5 80·1	76·6 80·2	76 · 7 80 · 0	76 • 6 80 • 0	76 · 9 80 · 0	76 • 5 79 • 9		77•7 81•1		78 · 6 82 · 2			80.3	82.8		79•0 82•0	78•8 81•6	79·2 81·2	78·6 81·0	78 · 8 80 · 7		78 • 7 80 • 5	78·9 80·4	78 · 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	Mear

94. ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulb above ground) = 12.5 metres

NOVEMBER, 1935

Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
Day	οA	οA	οA	O _A	o _A	οA	o _A	οA	οA	οA	Αο	οA	۰A	o _A	°A	٥À	o _A	σA	o _A	Αo	οA	OA.	•A	οA	۰
1	78•1	77.6	78•3	78 • 6	78-6	78-8	78 9	78 • 8	78-6	79-8	80-9	81.0	81.7	81.6	81.5	81.0	80-6	80 • 5	80 - 2	79-6	79-3	78 - 8	78.1	78 • 5	79
2	77-6	77.1	77-6	77.7	81.3	81.5	81.7	81.9	82.3	83.1	83.4	83 • 4	83-6	83.5	83.7	83.8	83.4	83.3	83 • 2	82.9	82-6	82.3	82-4	81.5	81
3	81.0	81.3	80-5	79.9	79•5	78•3	77.5	76 • 7	82.3	83.6	83.6	83•8	84.1	84.3	84.2	84.2	84.2	84.1	84-2	84-2	84.1	84.2	84.2	83.9	82
4	83.7	83.5	83.4	83.2	83.2	83.1	83.1	83.2	83-2	83-2	83.2	83 • 4	83•3	83•3	82-8	82.7	82.7	82-2	82-0	81.9	81.6	81.2	81.3	81.1	82
5	81•1	80•4	79-9	79-2	78•6	77•1	76•8	75 • 5	77•8	78-1	79•6	82.7	83.1	83.2	83.1	82•6	82.5	82-6	82-7	82.7	82-7	82.7	82.6	82-2	
6	82-0	81.5	80-5	80-4	79•9	79•8	79•5	79•0	78•4	79•3	79-8	80•0	80 • 5	80 • 4	80-2	79•5	78 • 6	77-9	76•3	75•5	75•5	75•6	76 - 2	76 - 3	79
7	76 • 4	76 • 0	75•0	75•1	75•6	75•5	76・3	76 • 7	77.5	78 • 7	79-2	79.•6	80•1	80•0	81.6	81.4	81.2	81.1	81-1	81.0	81.0	80•9	81.0	80-9	78
8	79•5	78•8	78 • 5	78 • 3	77.6	78 • 5	78 • 5	78 • 4	78 • 8	79-2	79 • 6	80 • 4	80•0	79•6	79-4	79-2	78 • 9	78·3	78•3	78•6	77-1	76 • 7	76 • 7	76-0	78
9	75•8	74•4	73.5	73.9	74.3	74.6	75•0	75•0	80•5	81.4	81.7	82.5	82-4	82.5	82.5	81.6	82.5	82.5	81.8	81.7	82.5	82.3	81.9	82-0	79
10	82•3	81.3	80 • 7	80.5	80•3	80•5	80•6	81.8	82•3	82•5	82•5	82•3	82•1	.82-0	81•9	81.9	81.6	81.7	82•5	82•5	82•1	80•4	80•6	81.3	8:
11	80•1	78•9	78•4	76-9	75•9	77-4	77•5	77•5	77•0	77•3	77-9	79•6	80-0	79-9	79•5	78•9	78-0	78•0	78•4	78•4	78-8	81-4	81-8	82-0	78
12	81.9	81.9	82.1	82-3	81.8	82.3	82.2	82.3	81.6	80.5	80•3	80 • 4	80•5	80 • 1	79.3	78 • 8	77-4	76 • 9	77.1	77.1	76 - 7	76 • 6	76 - 7	77-1	7
13	76・3	75 • 7	75•8	75•9	76 • 6	75•8	75•6	75•9	76 • 4	76 • 6	77•3	78•0	79•1	79-2	78 - 8	78 • 5	77-4	75-5	74.7	74.2	73-3	72.9	74.3	73-2	7
14	73.6	72.7	74.7	75•8	76.0	75•6	78 • 4	79.7	80.5	80.2	80 • 4	80 • 5	80-1	80.0	79 - 7	79.1	78 • 5	78 • 5	77.7	77-4	77-0	76 • 6	76 - 2	75 • 7	7
15	76•4	76 • 0	76 • 2	76・4	76.1	76.1	76 • 5	76•3	77•0	80.0	79•7	79•3	79•5	80.0	80-2	80•0	79•8	79•5	79-1	79•2	79•0	78•4	78-1	77•6	7
16	77•2	76 • 5	76 • 8	77•4	79•6	80.2	80•6	81.1	81.4	80•9	81.0	81.0	80 • 5	80.0	79•3	79•6	78 • 7	77-3	77-6	77-9	77-8	77-4	76 • 3	75 • 4	7
17	74.9	74.3	73-9	74.5	74.3	74.3	74.7	75.0	75・8	76 • 7	77.7	80.0	80.0	81.9	82.0	82.1	81.9	81.7	81.9	82.2	82-0	81.6	81.4	81.3	7
18	80.9	80 • 7	81.0	81.2	81.8	81.9	82.1	82.2	81.4	81.4	81.8	82.0	82.2	82.3	81.5	81.7	81.7	81.8	81.5	81.2	80-7	80.2	79-8	80-0	8
19	79•9	79•3	79・3	81.0	81.5	81.7	82.0	81.8	82-2	82.2	82.3	82.5	82.5	82.5	82-4	82.4	82.3	82.3	82-2	82.3	82.3	82.3	82.5	82-4	8
20	82•0	82•2	82•0	81.9	81.8	82•0	82-1	81.8	81.3	82.5	82•4	82•4	82•3	82.5	82-2	82.1	82.0	82-1	82.0	81.9	81.9	81.7	81.5	81.5	8
21	81-0	81.3	81.3	81-4	81.2	80-9	80-9	80.8	80-4	80.7	80.6	81.0	80-2	81.0	80-8	80.9	81.2	80.8	80-9	80-6	80-5	80-6	80 • 4	79-8	8
22	80•5	80 • 5	80.0	80 • 5	80.6	80-8	80.7	80.6	80.5	80.6	80 • 6	80.9	80.6	80 • 4	80-3	80.1	79-8	79.9	79.7	79.1	79.0	79.3	78 • 5	79-3	8
23	79•3	79 • 0	78 • 9	78-6	78•5	78 • 5	78 • 4	78 - 2	76 • 6	76 • 8	78 - 1	78•6	78 • 7	78 • 7	78 • 3	76 • 8	75•3	74.6	74.0	74.2	73 - 7	73-6	73.1	72-6	7
24	73•5	73.9	74.5	76 • 0	76.9	77.2	77-3	77-7	78.0	78 • 7	79 • 4	80 • 4	80 • 5	80.8	80-0	79-4	78 - 9	78 - 3	77-5	77-0	76 - 8	77-1	76 • 4	76 - 6	7
25	77•3	76 • 8	75•7	76 • 7	76•5	76•5	76•6	78•3	78•6	78•4	78-9	79•0	80•3	79・4	79-6	78•5	78•6	79-1	79-2		80.1	79•7	79•5	79-6	7
26	80-2	80•2	80-4	80-8	81.0	80•9	79•8	79-1	78 - 2	77-7	77-1	78•6	78•5	78-4	78-0	78-0	77.7	77-0	77-5	77-2	77-6	77-2	76 • 9	76-9	7
27	76 • 7	76 • 4	76 • 3	76 • 6	76.0	77•5	76 • 9	78•0	78 • 4	79•0	79-1	80.1	80•6	80-6	80.1	78-9	79.8	79-0	79-0	79-2	78-9	79 -8	79-8	79-7	7
28	79•4	79•5	80.2	80•8	80.8	80•9	81.3	82-1	82.5	82.8	83.2	83-8	83•9	83•6	83•3	83-0	82-4	81.6	80 • 5	80-0	80-0	79.8	79-6	79-3	8
29	78•9	78-9	78-2	78•0	78 • 5	78 • 4	77-9	79-2	78-8	78 - 7	78-9	79•1	79•3	78-8	78-3	77-0	76 - 5	76 • 3	76 • 0	75 - 7	75-4	74.9	75 - 2	75-2	7
30	74-8	74-8	74.•8	74•8	74•6	74•7	75•0	74-8	75•0	75•2	75•8	76•3	76 • 4	76 • 4	76•3	76 • 1	76 • 2	76•0	76 - 2	76•3	76 • 2	75-8	75-4	74-5	2
																				ļ					L
Mean	78•7	78-4	78•3	78•5	78•6	78-7	78•8	79-0	79-4	79•9	80-2	80•8	80•9	80•9	80•7	80.3	80-0	79-7	79•5	79-4	79-2	79•1	78-9	78-8	1,

95•	ABERDEEN:	North Wall	Screen	on	Tower:	$\mathtt{h_t}$	=	12.5	metres
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DECEMBER, 1935

Day									, · · ·					,						,	,				··• -/.	
1 74.0 73.6 73.6 73.5 75.6 76.1 75.6 75.5 75.8 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77	Day	οA	o _A	o _A	OA	οA	o _A	OA.	OA	οA	o _A	o _A	OA.	o _A	O _A	σA	o _A	O _A	o _A	OA.	o _A	O _A	O _A	OA	O _A	. 0A
3 77-3 77-3 77-3 77-2 4 76-7 76-6 76-5 76-5 5 71-1 70-9 70-7 70-9 6 73-7 73-9 73-2 70-9 7 73-0 72-4 72-6 72-4 8 76-5 76-5 72-9 9 74-8 75-8 76-0 76-1 10 77-4 76-1 75-6 75-4 75-1 75-4 11 74-0 73-8 74-1 72-9 72-9 72-9 12 78-5 78-3 77-0 76-5 74-1 72-9 12 78-5 78-3 77-0 76-5 75-4 75-1 74-7	ì	74.0	73.6	73.6	73.5	74.1	73-9	74.2	74.4	74.7	75.4	76 - 2	76 • 9	77.1	77-0	76-1	75.6	75.4	75-8	75-5	76.0	75-9	76-1	76-0	75.9	75
4 76.7 76.6 76.5 76.5 5 71.1 70.9 70.7 70.9 6 73.7 73.9 73.2 7 73.9 73.2 7 73.0 72.4 72.6 72.4 72.6 72.4 8 76.5 76.4 76.5 76.9 76.0 76.1 10 77.4 76.1 75.6 76.5 76.1 11 74.0 73.8 74.1 72.9 76.5 13 72.5 72.1 72.0 71.7 76.5 13 72.5 72.1 72.0 71.7 71.7 74.7 74.5 75.4 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.4 75.3 75.4 75.3 75.6 76.8 76.7 76.6 76.8 76.7 76.6 76.8 76.7 75.6 75.1 75.6 75.1<	2	76 • 1	75 • 6	75 - 5	75-8	76.0	76.1	75 • 2	74-4	75-9	77.0	77-6	77-7	77.9	77-9	77-6	77-6	77.9	78.1	78-0	78-1	77-3	77.7	77-9	77-2	76
5 71-1 70-9 70-7 70-9 6 73-7 73-9 73-2 73-2 73-2 73-2 73-2 72-4 72-6 72-4 72-6 72-4 72-6 72-4 72-6 72-4 72-6 72-4 72-9 73-8 76-1 75-6 75-4 76-1 75-6 75-4 75-1 75-1 75-1 72-9 76-5 76-5 72-9 71-7 76-5 72-9 71-7 72-9 71-7 76-5 73-8 77-0 76-5 73-8 77-0 76-5 76-5 76-6 76-8 77-0 71-0 <td>3</td> <td>77.3</td> <td>77.3</td> <td>77-3</td> <td>77-2</td> <td>76 - 7</td> <td>76 • 6</td> <td>76 -4</td> <td>76 - 8</td> <td>77.4</td> <td>77.5</td> <td>78-1</td> <td>78-1</td> <td>78 - 2</td> <td>78-1</td> <td>77-6</td> <td>76.9</td> <td>76 - 9</td> <td>76.5</td> <td>76 - 5</td> <td>76 • 5</td> <td>76 - 7</td> <td>76-5</td> <td>76-4</td> <td>76-4</td> <td>77</td>	3	77.3	77.3	77-3	77-2	76 - 7	76 • 6	76 -4	76 - 8	77.4	77.5	78-1	78-1	78 - 2	78-1	77-6	76.9	76 - 9	76.5	76 - 5	76 • 5	76 - 7	76-5	76-4	76-4	77
6 73-7 73-7 73-9 73-2 7 73-0 72-4 72-6 72-4 8 76-5 76-4 76-5 74-9 9 74-8 75-8 76-0 76-1 10 77-4 76-1 75-6 75-4 11 74-0 73-8 74-1 72-9 12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-0 18 73-9 74-1 74-5 74-0 73-7 20 75-5 75-6 75-1 75-1 21 74-7 74-6 74-6 74-7 22 73-8 74-1 74-0 74-0 23 73-6 73-6 73-1 72-8 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 78-8 79-1 31 76-5 76-8 76-7 76-6	4	76 - 7	76 • 6	76 • 5	76 - 5	76.3	76-1	76 • 1	76-1	76 - 2	76 - 7	76 • 7	76 • 5	77-3	77-3	76-7	75-4	74.3	74.6	73.5	72.9	72-0	72.5	71.8	71.4	75
7 73-0 72-4 72-6 72-4 8 76-5 76-4 76-5 74-9 9 74-8 75-8 76-0 76-1 10 77-4 76-1 75-6 75-4 11 74-0 73-8 74-1 72-9 12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-5 74-6 19 74-8 74-7 74-5 75-1 74-6 19 74-8 75-1 74-1 74-5 74-6 21 74-7 74-6 74-7 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 74-1 74-0 73-7 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 78-8 79-1 31 76-5 76-8 76-7 76-6	5	71-1	70.9	70.7	70-9	70.6	70-7	72.0	72-4	73.0	74.3	75.6	75.9	76 • 8	76 - 2	76-0	75-0	75-4	75-3	74.7	74-3	74.3		74.5	74.2	73.
7 73-0 72-4 72-6 72-4 8 76-5 76-4 76-5 74-9 9 74-8 75-8 76-0 76-1 10 77-4 76-1 75-6 75-4 11 74-0 73-8 74-1 72-9 12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-5 74-6 19 74-8 74-1 74-5 74-6 74-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 74-1 74-0 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 74-1 74-0 73-7 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 78-8 79-1 31 76-5 76-8 76-7 76-6							i ·	1							ļ											1
8 76.5 76.4 76.5 74.9 9 74.8 75.8 76.0 76.1 70.1 76.1 75.6 76.1 75.6 75.4 11 74.0 73.8 74.1 72.9 75.4 75.3 77.0 76.5 72.1 72.0 71.7 76.5 72.1 72.0 71.7 74.5 75.4 75.3 15 76.5 76.6 76.8 77.0 71.0						73-1	73.0	72-6	74.3	75•4	75•0	76 • 2	76 • 9	77.5	77-6	76 - 7	76 - 2	76.0	75•3	74.3	74.0	73.5	73.5	73-5	73-6	74
9 74-8 75-8 76-0 76-1 10 77-4 76-1 75-6 75-4 11 74-0 73-8 74-1 72-9 12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-0 18 73-9 74-1 74-5 74-6 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 74-1 74-0 73-7 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 78-8 79-1 31 76-5 76-8 76-7 76-6	, , , l					71.9	72.0	72.5	73-0	72.5	72-4	73.5	73.8	74.2	74 - 2	73•5	73.5	75.1	76 • 0	76 • 0	76 • 2	76 • 7	77-0	77•3	77-2	74
10 77-4 76-1 75-6 75-4 11 74-0 73-8 74-1 72-9 12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-0 18 73-9 74-1 74-5 74-0 19 74-6 74-5 74-0 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 74-1 74-0 73-7 23 73-6 73-1 74-0 73-7 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 74-5 30 78-2 78-4 78-8 79-1 31 76-5 76-8 76-7 76-6	8					74.9	74-6	73.3	74.0	74.6	75-3	76 • 3	77-2	77•0	77-1	76.5	75 - 5	75-0	74-7	74.2	74-4	74.7	74.5	74.4	74.5	75
11 74-0 73-8 74-1 72-9 12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-5 74-6 19 74-6 74-5 75-1 75-6 21 74-7 74-6 74-5 75-1 75-6 21 74-7 74-6 74-7 73-7 22 73-6 73-6 73-1 72-8 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 74-5 30 78-2 78-4 78-8 79-1 31 76-5 76-8 76-7 76-6	.9	• -				76.1	76.5	76 • 8	76 • 5	77-0	77-2	77-5	78 • 9	79-2	79•3	79-0	78 • 5	76 • 6	77-2	76 • 2	75 • 6	76•0	76 • 4	76-2	76 • 3	76 •
12 78-5 78-3 77-0 76-5 13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-0 18 73-9 74-1 74-5 74-6 19 74-6 74-5 74-0 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-7 74-0 22 73-6 74-1 74-0 74-0 23 73-6 73-1 72-8 24 67-6 67-0 66-8 66-5 25 76-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 74-5 30 78-2 78-8 79-1 31 76-5 76-8 76-7 76-8	10	77•4	76 • 1	75•6	75•4	75•5	74-9	74•9	75•0	74.5	74.1	74.5	75•0	75•1	75-6	75•4	75.2	74.9	74.8	74.7	74-4	74-4	74.6	74.6	74.5	75
13 72-5 72-1 72-0 71-7 14 74-7 74-5 75-4 75-3 15 76-5 76-6 76-8 77-0 16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-0 18 73-9 74-1 74-5 74-0 19 74-6 74-7 74-0 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 73-1 72-8 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-8 79-0 29 76-9 76-8 75-4 74-5 30 78-2 78-4 78-8 79-1 31 76-5 76-8 76-7 76-8	11	74-0	73-8	74-1	72.9	72-8	73-0	77-7	77.9	78•2	78-1	78•4	78 • 6	78-5	78-5	78-5	78-5	78-5	78 - 7	78 • 7	78-6	78•5	78-9	78-8	78-6	77.
14	12	78-5	78-3	77-0	76 • 5	76 • 5	76 - 2	76-1	75-9	75 - 7	75 - 7	76 - 2	76 • 3	76 • 4	76 • 4	76 • 3	76 - 2	76 -0	75 • 7	75.0	74.3	73 - 7	73.5	73.2	73-1	75
15	13	72.5	72.1	72-0	71-7	71-6	71.9	72-4	72-5	73.0	73 • 7	74.2	74.5	74.6	74.9	74.9	75-2	75-1	75.0	75-2	75-2	74.9	74.9	74.9	74.9	73
16 72-8 72-6 71-0 71-0 17 74-9 75-1 74-1 74-0 18 73-9 74-1 74-5 74-6 19 74-6 74-5 74-0 73-7 20 75-5 75-6 75-1 75-6 21 74-7 74-6 74-6 74-7 22 73-6 73-1 74-0 74-0 23 73-6 73-6 73-1 72-8 24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 74-5 30 78-2 78-4 78-8 79-1 31 76-5 76-8 76-7 76-6	14	74.7	74.5	75 • 4	75.3	75-6	75.3	75 . 2	75.3	75.5	75.9	76 • 6	76 • 6	76 • 8	76 • 9	76.0	76.0	75-8	76.0	76 - 2	75-9	75-6	76 • 2	76-3	76 - 4	75
17	15	76•5	76•6	76 • 8	77-0	77-4	76•9	77.2	77•4	76 • 5	77-6	74.3	74-4	75•0	75•4	74-9	74-4	74.6	75•4	74.7	74.5	74.0	73.5	73.6	73-3	75
17	16	79.8	79.6	77.0	77.0	71.6	72.3	72-7	73-2	73.5	73-5	74-1	74-4	74.5	74-4	74.9	75-4	75 • 4	75•4	75-6	75•8	75-4	77.0	77-6	75-4	74
18 73.9 74.1 74.5 74.6 19 74.6 74.5 74.0 73.7 20 75.5 75.6 75.1 75.6 21 74.7 74.6 74.1 74.0 22 73.6 73.1 74.0 23 73.6 73.1 72.8 24 67.6 67.0 66.8 66.5 25 78.4 78.5 78.8 79.0 26 79.4 79.6 80.1 80.2 27 79.2 79.2 79.9 80.2 28 78.8 78.7 78.8 79.1 30 78.2 78.4 78.8 79.1 31 76.5 76.8 76.7 76.6						73.6	73.9	74.5	74.6	74.0	74.4	74.5	74.8	75.5	75.5	75.0	74.5	74.4	74.1	74.4	74.6		77.0	75.0	74.0	
19						74.7	74.6	74.8	74.7	74.7	75.0	75.4	75.3	75.2	75.3	75.4	74.6	74.5	74.5	74.7		74.4	74.5	74.6	74.6	74
20 75·5 75·6 75·1 75·6 21 74·7 74·6 74·6 74·7 22 73·6 74·1 74·0 74·0 23 73·6 73·6 73·1 72·8 24 67·6 67·0 66·8 66·5 25 78·4 78·5 78·8 79·0 26 79·4 79·6 80·1 80·2 27 79·2 79·2 79·9 80·2 28 78·8 78·7 78·8 79·0 29 76·9 76·8 75·4 74·5 30 78·2 78·4 78·8 79·1 31 76·5 76·8 76·7 76·6						73.5	73.3	73.1	73-3	73.2	73.6	74.6	75.5	75.7	75.5	74.7	74.4	74.7	74.9	75.4	74.8	74.4	74.5	75.7	75.8	74
21 74·7 74·6 74·6 74·7 22 73·8 74·1 74·0 74·0 23 73·6 73·6 73·1 72·8 24 67·6 67·0 66·8 66·5 25 78·4 78·5 78·8 79·0 26 79·4 79·6 80·1 80·2 27 79·2 79·2 79·9 80·2 28 78·8 78·7 78·8 79·0 29 76·9 76·8 76·4 74·5 30 78·2 78·4 78·8 79·1 31 76·5 76·8 76·7 76·6		1				74.9	75.2	74.6	75.0	74.8	74.9	75.9	75.9	75.5	76.0	75:9	75.9	75.5	74.6	74.9	75·5 74·7	75·5 75·0		75.1	74.7	74 75
22 73.6 74.1 74.0 74.0 23 73.6 73.6 73.1 72.8 67.6 67.0 66.8 25 78.4 78.5 78.8 79.0 26 79.4 79.6 80.1 80.2 27 79.2 79.2 79.9 80.2 28 78.8 78.7 78.8 79.0 29 76.9 76.8 75.4 74.5 30 78.2 78.4 78.8 79.1 31 76.5 76.8 76.7 76.6					'							1							"	1 4		100	10 0	'0 -		ľ
23	21	74.7	74.6	74.6	74.7	74.6	74.4	74.4	74.3	74.0	75.0	75.2	75.5	75 • 7	75 • 4	75.5	75.5	75 • 3	75-3	74.5	74.0	74.2	74.4	74-4	74.1	74
24 67-6 67-0 66-8 66-5 25 78-4 78-5 78-8 79-0 26 79-4 79-6 80-1 80-2 27 79-2 79-2 79-9 80-2 28 78-8 78-7 78-8 79-0 29 76-9 76-8 75-4 74-5 30 78-2 78-4 78-8 79-1 31 76-5 76-8 76-7 76-6	22	73-6	74.1	74.0	74.0	73.9	74.0	74.8	74.3	74.5	73.9	74.5	74.7	75 • 2	74.5	75 - 2	74.3	74.1	73-8	73.8	74.3	74.0	74.3	73.9	74.0	74
25	23	73.6	73.6	73.1	72.8	72.9	72.9	72.8	72.6	72.4	72.3	72.6	73.2	73.9	74.1	73.0	72.2	71.5	70・4	70 • 5	69-4	68-6	68.6	67.2	67-6	71
26 79.4 79.6 80.1 80.2 27 79.2 79.2 79.9 80.2 28 78.8 78.7 78.8 79.0 29 76.9 76.8 75.4 74.5 30 78.2 78.4 78.8 79.1 31 76.5 76.8 76.7 76.6	24	67.6	67.0	66.8	66 • 5	66.8	67.4	67.2	68•0	75.3	76.8	77.1	77.5	77.5	77.5	77.8	78 • 1	78.3	78 • 4	78 • 4	78 • 4	77-6	77.5	77-9	78-0	73
27	25	78•4	78•5	78•8	79-0	79-1	79.2	79・4	79・4	79・3	79•3	79•3	79-6	79.8	79 • 8	79•8	79•9	79.7	79•8	80.1	79.9	79-6	79・6	79.5	79・4	79
27	26	79-4	79-6	80-1	80.2	80-3	80-6	80-6	80 • 7	80-6	80-5	80-3	80-3	80 • 5	80 • 4	80-4	80-0	80-0	79.9	79.9	79-9	79-9	79-7	78-8	78 - 7	80-
28						80.4		80.9	80.3	80.4	80.1	80.3	80.8	80.4	80-6			80-7	80.0	80-1	80-0	79-9	79-6	79.0	78-8	80
29 76.9 76.8 75.4 74.5 30 78.2 78.4 78.8 79.1 31 76.5 76.8 76.7 76.6						79-1	78.9	78.1	77-9	78 - 2	78.2	78-0	77.9	77.8	78 • 2	78-1	76.9	75-6	75.4	74.8	74.2	74.5	74.9	75.7	76 - 2	77
30 78 · 2 78 · 4 78 · 8 79 · 1 31 76 · 5 76 · 8 76 · 7 76 · 6					1	74.9	1	74.6	74.3	74.0	74.0	75.0	75.7	76.5	76 - 5	77-0	76.1	75.4	74-4	74.1	74.0	74.2	75-1	75.1	74.4	75
	30	78 - 2	78 • 4			79-2	79-2	79-4	79.5	79.5	79-9	79.7	79-5	79.4	79-1	79-1	78-4	78.1	77.7	76.9	76 - 1	77.0	77.2	76 - 8	76 • 9	78
	31	78.5	76 • 8	76.7	76.6	78.7	76.0	77-0	77.1	77-2	77.0	77.0	70.2	70.5	70.0	70.4	70.0	79-5	70.5	70.0	70.2	70.4	79-6	70.7	70.7	. .
Mean 75.3 75.3 75.1 75.0		70-3	70-0	10-7	70-8	10-1	10.0	17.0	17-1	11-2	11-2	77-9	10-3	78 • 5	78 • 8	79-4	18-2	18-3	19-3	19-0	19-3	19-4	19-0	79-7	79-7	78
	Mean	75•3	75•3	75•1	75-0	75-0	75•0	75-2	75•3	75-7	76-0	76-3	76 • 7	76 • 9	76 • 9	76 - 7	76 - 3	76 • 1	76-0	75-8	75 - 7	75-5	75•7	75-7	75.5	75
Hour 1 2 3 4		1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	L.,

96. ABERDEEN: North Wall Screen on Tower $h_t = 12.5$ metres

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Hou 1	ır	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 80-2	25	0 ▲ 80•10	∘≜ 80•00	° <u>A</u> 79∙92	° <u>∧</u> 79∙99	∘ <u>∧</u> 80•20	∘≜ 80• 5 5	°A 81-01	° <u>A</u> 81•61	o <u>∧</u> 82•03	°A 82∙51	° <u>A</u> 82∙85	% 83-01	° <u>∧</u> 83∙02	° <u>a</u> 82∙88	° <u>∧</u> 82•66	° <u>A</u> 82∙37	° <u>A</u> 81∙98	° <u>A</u> 81•61	°A 81•25	o <u>≬</u> 80•93	° <u>∦</u> 80∙75	°A 80•56	°A 80•40	°≱ 81•35

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

 $-1.15 \begin{vmatrix} -0.80 \end{vmatrix} -0.35 \begin{vmatrix} +0.25 \end{vmatrix} +0.68 \begin{vmatrix} +1.14 \end{vmatrix} +1.49 \begin{vmatrix} +1.49 \end{vmatrix} +1.66 \begin{vmatrix} +1.67 \end{vmatrix} +1.52 \begin{vmatrix} +1.31 \end{vmatrix} +1.02 \begin{vmatrix} +0.62 \end{vmatrix} +0.25 \begin{vmatrix} -0.10 \end{vmatrix} -0.42 \begin{vmatrix} -0.60 \end{vmatrix} -0.79 \begin{vmatrix} -0.79 \end{vmatrix} -0.95 \end{vmatrix}$

	97. Al	BERDEE	:N: 1	North	Wall	Scre	en on	Towe	r h _t	= 12•	5 met	res												1	935
Month			G. M. T		4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
Jan. Feb. Mar.	278 • 01 277 • 55 279 • 58	-0.44	-0.41-	-0.57	-0-61	-0-67 -0-75	-0·59 -0·97	1-1-09	-0·27	0-00	-0-28	+0-41	+0.80	+1.05	+1·09 +1·58	+1-45	+0·62 +1·28	+0.38	+0.06 +0.31	-0·16 +0·05	-0·30 -0·10	-0.28	-0·25 -0·37	-0·24 -0·34	-0-29
Apr. May June	279-01 280-63 284-73	-1·78 -1·29	-1·92 -1·47	-1·99 -1·66	-2·07 -1·54	-1·84 -1·09	-1·25 -0·60	-0·42 -0·13	+0•29 +0•28	+0-85 +0-61	+1-17	+1.72	+1·75 +1·16	+1.80 +1.36	+1·73 +1·33	+1.65	+1·32 +1·31	+1·24 +0·91	+0-88	+0.49	+0+09	-0·39 -0·37	-0.71	-0.89	-1.4
Ang	287-60 287-73 284-72	-1·50 -1·46	-1·75 -1·48	-1·87 -1·62	-2·06 -1·73	-2·06 -1·83	-1·73 -1·88	-0·95 -1·39	-0·18 -0·43	+0.53	+1.21	+1·69 +1·76	+2·05 +1·98	+1.98 +2.15	+1.92	+1.75	+1·60 +1·87	+1.40	+0.94	+0-46	-0·09 -0·34	-0·60 -0·75	-0-81	-1.13	-1.3
Oct. Nov. Dec.	281-15 279-45 275-78	-0.78	-1-13	-1.23	-1.03	-0-86	-0.78	-0.67	-0-50	-0-03	+0-40	+0.74	+1.30	+1.45	+1-46	+1.26	+0-91	+0.59	+0.27	1+0+09	-0-03	-0.18	-0-32	-0-43	-0-5

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

98. ABERDEEN: North Wall Screen on Tower: ht 12.5 metres

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1935

Month	Je	n.	Fe	b.	Ma	r.	Ar	r.	Me	y	Jur	ıe	Ju.	Ly	Aug	ζ.	Sep	t.	Oc.	t.	No	7.	De	ec.
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.
	ο_Α	A°	•A	O _A	OA.	OA.	οA	OA	°A	O _A	°A	°A	OA.	Α°	ο_Δ	OA.	οA	OA.	O _A	٩o	O _A	OA.	O _A	O _A
1	80-6	76-2	86-1	76 • 6	80-4	78-2	80-5	75-6	82.4	79-3	83-1	79-4	87-0	84-1	92-8	83-4	91.2	83-1	85-5	77.8	81.8	77-5	77-3	73-3
. 2	85.0	78-8	83.3	72-8	79-2	77.9	79-0	75-0	86-6	78-2	82.2	80-0	92-9	84-9	88-5	85.3	89-6	85-2	84.5	75-2	83-8	76 • 7		74.4
3	84-0	79-4	78-2	71-4	78-5	74-9	80-2	73-6	89-7	80-6	80-9	78-6	91.8	84 • 4	89-4	85.0	91.5	82-7	84-9	82-4	84-4	76 - 5	78-5	76 - 3
4	80-3	77-4	78-6	73-4	79-5	74.7	75-6	71-3	88-7	81.2	82-5	80-0	93.0	86 - 4	94-8	87-2	88-1	82-6	86-2	82-6	83-9	81.1	77-4	71.0
5	77-8	75.5	79-7	74-2	79-8	75-3	77-7	73.3	85•7	79-8	81-1	79-8	89-8	85-0	92-2	87-4	87-0	81.5	84-2	82-1	83•3	74-8	77.0	70-5
6	77-5	75-7	78-2	74-6	82-0	75-0	79-8	73-6	86-0	80-4	85-0	79-8	89-0	83-1	93-7	86 • 1	87-2	81-4	85-0	79-5	82-2	75-0	77-6	72-4
7	78-7	75-3	78-7	73-3	81.5	75-0	79-5	71.3	84-2	78-3	87-5	82-5	90-7	80-7	94-5	84-6		80-2	85-2	76-8	81.7	74 - 5		71-6
8	77-9	73-9	80-9	73-5	80-6	77-3	78-6	74.1	84.2	76-0	86-1	79-2	94.0	85-3	95-0	85 - 7	85-2	78 - 4	86-0	79-2	81-1	75-9	77-3	73-1
•	76 - 4	73-5	78-6	71-4	78-2	76-3	81.4	74.1	84.9	77-6	86 - 2	78-2	93-2	84-9	91-0	85-4	85-2		82-6	77 - 7	82-6		79-4	74-4
10	81-9	76-3	80-1	75-9	78-2	76 • 5	84.3	79-5	84-2	79•8	84-0	81.9	94.7	85-9	91.8	86-9	87-6	82.6		77-0	82-6	79-2	77-5	73-8
11	81-4	75-7	80-6	73-2	80-3	73-9	84-5	77-5	86-9	79-4	87-2	81-9	89-8	85-1	91.3	84-3	89-6	84-4	84-5	76 - 7	82-0	75-9	78-9	72-6
12	76-0	73-6	83-1	77-1	79-3	70-6	81.3	74.9	80-4	76-5	89-6	83-0	89-8	84-9	87-3	80-5	87-2	83-4	85-3	76-0	82-4	76 - 5		73-1
13	77.5	72-7	81.2	77-7	79-5	77.1	81.0	73-4	78-8	73-9	88-3	82-3	96-8	86 - 5	90-2	79-4	91-1	85-9	85-7	82-2	79-3	72-8	75-4	71-5
14	83-0	77.5	79-5	74-6	79-6	75-2	80-6	77.5	81-0	74-0	86-8	81-0	89-7	83-0	89-6	85.1	89-3	85-5	86 - 7	83-5	80-7	72 - 7	76-9	74-3
15	84-0	79-9	80-2	77-3	80-2	76-7	81-3	78-1	80-1	73-9	88-2	82-4	92-3	82-5	90-3	85•3	87-9	83・4	87.7	83.5	80-4	74-9	77-6	72-8
16	82-5	76-6	79-6	75-7	79-9	74-9	79-8	78-3	78-8	72-8	88-1	79-0	92-4	84.0	89-8	83-1	90-5	83-4	86-8	80•4	81-4	75-4	77-8	70-8
17	79-6	75-9	83-6	76 - 7	80-5	76 - 8	80-2	77-4	79-3	72-0	85-3	81.4	89-5	83-3	88-6	86 - 2	88-1	83-6	85-3	78 - 7	82.3	73-6	75-8	73-4
18	79-4	77-2	84-9	80-6	81.5	76 - 5	80-9	76-6	80-6	74.4	85-4	82.5	89-2	81-1	93-1	86 • 9	89-9	82-4	86-2	78-1	82-5	79-7	75-5	73-9
19	77-2	75-2	85.1	77-9	85-5	80-8	82-2	76-3	82-1	78-1	86-9	82-0	88-9	79-9	95-9	86-6	90-0	84.1	83-2	79-1	82-6	78-9	75-9	73-0
20	79-2	76-3	82-6	79-0	86 • 9	79-9	80-0	76 - 4	84-1	79-4	90•9	83-4	88•0	83-8	95-0	88•3	89-3	83•5	79-9	73-9	82•5	81-0	76-2	74-4
21	82-3	77-6	81.7	76-0	86-9	78-7	83-9	79-1	83-8	77-2	94.5	84-8	89-3	81.9	92-5	82-3	88-3	80-8	78-9	73-4	81-5	79-7	75-7	73-7
22	81-8	76-8	81.2	74-9	86.0	79.1	84-0	79-4	84-2	76・0		84.6		79 • 7	90-5	80-9	84-1	81.0	79 - 8	73-2	80.9	78-4	75-4	73.6
23	83-0	77.7	75-9	71.3	84-3	77-8	83-2	76 - 5	85-3	79-9		85-2		86 • 2	92-1	85-1	87-2	81-0	82-8	77.6	79-4	72-6	74.1	67-2
24	85-5	78-2	75-9	69-7	85-9	78-5	83-1	74-5	83-1	77-6	89•3	84.9		83.9	91.0	87-4	84-9	78-1	82-1	80-9	80-8	72-6		66-5
25	80-2	73-2	75-4	- 71 -8	89-5	80-4	82.0	77-4	84.3	79•6	91.2	85-0	94-0	84.8	87-8	85-8	84.5	78-0	82-0	77-3	80-5	75-5	80-2	77.9
26	76-9	73-2	78-8	68-7	84-9	79-6	82-6	79-8	82-8	80-1	89-2	85-0		83-8		84-8	84-1	76 • 7	85-9	76 • 5	81-1	76-5	80-7	78-6
27	75-5	72.5	79-0	76.4	83-9	79-3	84.0	79-3	82.8	78•6	91-6	86-6	94-1	86-6	86-5	81.7	89-8	81.3	80-6	79-2	80-8	75-7	80-8	78-7
28	77-4	70-5	80-2	78.0	83-5	77.6	84-3	80-3	81.8	78•0	91.8	84.4		84-4	85-7	80-6	85-3	81.1	82-3	78-0	84-0	79-1	79.1	73-8
29	79-2	75.5			79-1	75-9	85-7	80-5	82.0	78・4	92.5	84 • 4	87.4	82-6	87-1	82.5	86 - 6	78-4	84-8	76 • 6	79-6	74-8	77-8	73-1
30	82-3	73-5			86+1	76・4	82-2	79-4	82-9	78 - 7	89-2	84-1	89-4	81-4	87-1	82•7	84-6	78-2	82-2	76-2	76 • 5	74-5	80-0	74-4
31	79-9	75-9			86-7	79-2			83-5	78-6			92-3	81.6	89-5	85-5			80-4	76-3			79-8	76 - 4
Mean	80-1	75-7	80-4	74.8	82-2	77.0	81.4	76 - 5	83-4	77.7	87-6	82.2	91.5	83 • 7	90-8	84-6	87•7	81.7	83-9	78-3	81-6	76-2	77.7	73-4

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22 23 24 25	67 74 64 81	71 70 66 70	75 66 63 81	77 69 73 73	73 68 77 72	72 62 77 65	74 69 79 96	71 66 84 76	71 73 76 84	73 55 75 76	70 56 68 72	66 55 73 68	65 50 73 65	67 52 79 66	67 60 84 63	67 61 76 68	72 64 76 83	72 66 74 95	76 64 76 94	76 64 87 94	76 66 74 92	80 62 59 92	77 65 51 82	73 64 68 64	71.9 63.6 72.9 78.1	7•3 6•7 8•0 5•5
17 18 19 20	85 78 85 85 78	88 78 85 87 78	90 83 87 87 78	85 79 88 87 79	87 79 87 87	83 81 87 87 79	85 82 87 87	84 83 85 89 77	85 85 83 90 75	81 83 83 91 70	85 83 85 90	84 82 85 88 69	90 81 85 87 67	90 83 82 87	87 82 80 91	90 83 83 91 74	91 83 82 93 73	90 86 81 86 72	90 87 84 85	88 85 82 84 71	90 87 82 81 71	97 86 84 81 72	81 85 83 77 73	81 87 85 78 70	86 • 6 82 • 8 84 • 2 86 • 6 73 • 7	7•6 7•4 6•6 7•5
11 12 13 14 15	79 69 89 92 83	76 70 94 92 82 84	75 66 85 91 84	76 69 84 93 84	72 74 83 94 83	83 74 82 86 87	83 74 81 86 83	80 73 79 89 83	83 78 77 86 79	82 87 74 83 76	86 82 69 88 74	82 85 69 88 73	88 78 68 85 74	72 80 80 88 73	76 75 87 93 72	76 74 89 86 74	75 80 91 93 80	78 76 93 88 87	77 71 91 88 81	77 68 92 84 74	69 73 94 84 81	70 80 92 80 74	73 90 93 82 72 82	69 89 92 83 80	77.6 76.0 84.4 87.8 78.9	7•5 5•3 5•4 9•2 9•3
6 7 8 9 10	78 95 76 83 90	83 91 80 81 90	87 65 82 85 90	91 57 84 85 89	82 54 87 87 85	87 57 93 82 84	87 69 92 85 83	83 80 92 85 79	82 71 88 84 80	85 90 90 87 80	88 90 90 85 83	85 87 91 84 86	87 84 89 84 86	88 84 88 84 86	87 74 85 84 89	85 78 90 84 8 8	74 71 87 84 91	73 82 85 85 85	78 71 90 84 87	75 72 89 83 86	75 74 87 85 86	81 78 85 85 86	83 87 89 88 86	87 84 85 87 82	82·9 76·9 87·2 84·5 85·9	6•6 6•4 6•6 6•0 8•7
Day 1 2 3 4 5	85 96 84 69 81	83 98 87 67 86	86 99 88 70 85	% 84 99 91 70 84	% 84 99 91 74 84	83 99 89 85 85	78 98 86 79 85	% 85 99 87 78 87	% 84 99 60 77 85	84 98 71 85 88	% 86 98 81 74 87	% 84 95 77 67 73	82 96 87 71 73	% 85 94 73 72 78	87 94 67 69 83	90 92 82 75 83	90 94 86 71 80	90 88 72 72 80	92 76 72 67 83	95 80 76 74 88	% 97 79 74 79 85	% 97 76 69 78 85	95 76 65 79 87	99 83 70 80 83	87·4 92·2 78·8 74·0 83·2	mb 7•9 <u>10•5</u> 8•9 7•0 6•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	Vapour* Pressure

100.	• ABERDEEN:	North Wall	Screen	on Tower:	ht =	12.5	metres
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6	79	77	72	83	80	89	84	73	68	62	57	60	59	58	58	71	76	80	82	80	74	73	69	69	72•4	5.6
7	70	70	62	68	75	73	77	73	75	72	63	62	66	69	62	70	69	71	73	76	74	76	80	84	70•9	5.5
8	87	83	84	80	76	75	78	85	85	85	84	81	77	75	81	72	80	87	88	89	90	93	94	94	83•3	6.9
9	96	98	96	94	98	94	96	92	92	92	91	87	83	88	86	90	86	90	90	93	93	91	89	87	91•5	6.5
10	87	89	84	84	85	84	80	86	77	79	71	69	66	64	57	63	82	80	78	76	76	77	80	85	77•5	6.7
11 12 13 14 15	88 88 82 93 71	88 82 83 91 66	90 78 90 72 63	89 80 94 72 65	91 78 94 72 72	94 79 92 69 68	94 76 92 71 71	94 84 92 60 80	92 65 92 66 83	91. 65 90 96 83	92 63 88 94 83	89 75 77 79 84	87 67 75 83 87	93 68 73 83 84	96 65 72 75 84	94 67 75 80 86	83 69 77 87 91	84 67 83 82 93	80 75 84 77 93	82 75 87 75 96	80 79 88 78	86 76 87 78 91	88 73 91 69 87	90 74 90 70 85	88 • 9 74 • 0 85 • 0 78 • 4 81 • 4	7•6 7•5 8•1 6•5 7•6
16	86	88	85	84	91	94	94	94	96	93	91	88	89	86	86	90	93	87	87	77	70	70	67	72	86 • 0	7-6
17	66	71	70	71	71	74	73	73	75	70	73	72	68	66	63	68	74	82	89	90	88	88	88	86	75 • 1	7-4
18	86	83	91	88	79	77	83	78	84	83	87	84	91	92	94	91	88	84	88	80	90	88	83	83	85 • 7	9-3
19	76	67	69	66	69	70	73	85	88	88	85	83	68	66	63	64	67	83	78	77	75	74	82	85	75 • 0	7-8
20	90	94	96	96	93	93	90	91	94	93	92	91	89	92	93	89	77	72	72	83	79	76	77	76	87 • 2	9-1
21	74	74	76	75	75	75	79	76	76	74	69	69	72	68	56	51	56	61	54	55	55	62	70	76	67-8	6-6
22	74	74	76	77	71	75	84	82	80	75	72	70	57	56	60	64	76	87	90	86	87	88	85	85	76-1	6-3
23	87	88	68	65	67	65	75	54	52	52	52	57	55	67	67	70	72	73	67	68	67	66	66	64	66-4	4-3
24	67	66	66	68	70	72	70	70	67	67	65	56	54	55	55	54	53	50	60	83	65	82	77	70	65-8	4-0
25	62	62	56	62	59	61	49	74	68	68	64	70	65	80	75	62	56	75	72	73	63	81	75	73	67-6	4-4
26	74	75	74	71	73	71	73	64	42	44	44	48	54	55	57	59	66	66	68	65	63	68	73	70	63-3	4-1
27	61	58	57	55	53	56	62	60	61	63	60	59	60	63	71	78	86	90	87	83	82	80	84	81	68-5	5-9
28	86	81	83	85	87	86	87	91	88	87	90	90	88	84	87	84	87	85	88	88	88	87	86	92	86-6	8-1
Mean	78•6	77-7	75•7	76 • 1	76-8	78•1	78-9	78•5	77-6	76 • 4	73-9	72-4	71-4	72-3	72-2	73-3	78-4	78-8	79-2	79-8	80-3	80•0	79•9	79•5	76 • 8	16-6
Vapour	mb	ab	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb							
Pressure*	6•4	6•4	6-2	6•2	6•2	6•2	6•2	6•1	6•2	6•3	6•4	6•6	6•7	6•8	6•8	6•8	6•8	6•8	6•7	6∙7	6•7	6•6	6•6	6•5	\$ 6•5	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Hean	•

ges at exact hours, Greenwich mean Time

101. ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulbs above the ground) = 12.5 metres

MARCH, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour * Pressure
Day 1 2 3 4 5 5	91 91 82 96 85	% 93 91 86 91 87	% 94 91 87 86 83	% 93 92 86 85 81	% 94 86 84 84 74	93 82 85 80 78	91 82 83 82 75	% 86 79 80 80 75	% 87 77 83 76 72	% 88 71 87 73 74	% 88 72 90 68 77	90 71 84 65 57	88 69 83 72 56	% 87 78 82 74 51	% 87 80 79 74 86	% 90 82 81 69 66	% 87 79 84 71 67	90 80 87 80 67	\$8 78 92 81 69	% 88 82 89 80 68	91 81 92 80 64	\$ 89 85 96 80 70	% 93 80 96 74 70	% 90 83 96 82 72	89.9 81.1 86.1 78.7 72.0	mb 8*5 7*3 7*4 6*6 5*7
6 7 8 9	70 90 92 63 60	73 91 94 66 65	75 90 94 56 65	82 97 94 56 64	78 95 92 57 64	73 98 87 56 59	69 98 83 65 63	73 98 82 60 62	73 93 78 54 60	74 89 75 56 62	73 88 70 57 62	70 90 69 80 65	68 98 73 57 68	69 98 77 60 69	67 96 73 59 73	79 94 65 62 70	86 93 70 61 67	86 93 74 65 68	84 91 71 60 66	90 91 69 63 71	94 93 67 60 70	90 92 60 62 71	90 92 60 56 73	88 90 62 58 77	77:7 93:2 76:9 59:6 66:0	7•1 8•5 7•0 <u>4•9</u> 5•5
11 12 13 14 15	77 98 84 82 73	73 96 86 82 75	76 94 87 82 74	76 93 89 85 80	76 96 87 82 80	78 98 88 84 83	76 100 79 85 84	78 97 76 84 79	78 89 75 86 77	73 91 78 82 76	76 81 76 82 84	76 78 76 74 86	81 79 74 76 81	79 77 73 79 80	81 79 78 79 79	84 77 75 79 83	85 78 79 81 86	91 77 78 91 85	92 78 79 92 86	92 76 79 93 87	91 75 79 90 85	95 78 80 90 84	96 76 80 100 86	98 79 80 86 84	82.0 85.3 79.8 84.3 81.6	7•2 6•4 7•2 7•2 7•4
16 17 18 19 20	89 85 90 88 78	95 86 93 88 81	91 87 92 89 79	93 86 92 86 76	93 86 93 88 74	91 89 90 88 78	91 90 92 88 83	89 89 93 88 76	87 86 86 84 68	85 86 78 83 52	79 83 82 79 54	74 81 79 75 51	76 81 82 73 50	78 79 85 79 44	83 82 88 84 46	78 80 90 78 47	82 80 91 80 49	84 84 96 89 52	85 87 93 91 55	86 88 89 83 60	86 87 89 86 61	86 89 91 75 62	86 90 92 72 68	85 89 87 74 73	85·5 85·3 88·9 83·1 63·2	7•3 7•8 8•6 <u>10•2</u> 7•8
21 22 23 24 25	73 84 81 67 98	70 84 84 72 96	76 87 85 67 88	79 88 86 71 91	77 88 83 72 89	81 85 74 71 81	77 90 74 74 83	72 84 72 70 86	70 77 67 65 89	68 74 72 58 80	65 67 79 50 85	54 58 80 49 76	58 54 79 48 58	64 67 77 45 57	68 72 59 63 50	69 71 55 58 40	74 73 57 63 46	74 80 62 71 44	74 75 67 69 45	75 79 74 65 52	74 81 71 70 59	76 78 70 87 62	84 81 68 93 62	84 82 65 96 60	72·1 77·5 72·9 66·6 70·6	8•6 8•9 7•3 7•6 9•5
26 27 28 29 30	59 67 65 94 92	61 69 62 96 92	64 70 68 92 93	65 70 69 92 93	65 70 71 92 93	66 75 68 87 93	64 74 72 87 92	62 69 70 78 93	59 66 66 62 94	52 62 63 59 92	46 57 61 60 77	44 60 61 61 76	44 60 59 62 75	42 58 56 63 76	45 59 56 64 72	47 61 61 62 81	64 61 68 63 91	54 66 85 66 91	65 73 80 68 89	65 72 82 73 89	66 72 83 80 93	64 77 87 88 93	66 75 94 91 93	69 70 96 90 92	58·1 67·2 70·4 76·4 88·1	6•4 7•3 7•3 6•5 9•7
31	93 81•8	94 83•0	94 82•5	94	89	88 81•3	89 81•8	86 79•5	71 76•0	72 73·7	61 71-9	65 69•5	62 69•2	70 70•1	67 71·9	64 70+9	57 73•3	56 76 • 3	62 76+9	61 77•8	62 78•5	62 79-6	62 80-6	80-6	73·2 77·2	8•6 +7•5
Mean Vapour Pressure*	mb 7•4	mb 7•5	mb 7•4	mb 7•3	mb 7•2	mb 7•2	mb 7•3	mb 7•3	mb 7•4	mb 7•6	шb 7•7	mb 7•6	mb 7•7	mb 7•9	mb 7•9	mb 7•6	mb 7•7	mb 7•7	mb 7•6	mb 7•5	mb 7•4	mb 7•4	mb 7•4	mb 7•4	mb ‡ 7•5	

																	,									
102.	ABERDI	EEN:	Nort	h Wal	l Scr	een o	n Towe	er: h	t = 12	2•5 me	tres								٠.					IA.	PRIL, 1	935
Day 1 2 3 4 5	% 65 80 80 89 87	% 62 79 91 80 85	56 75 91 72 85	\$ 57 69 80 72 87	% 62 70 78 70 85	\$ 65 70 77 70 85	% 65 80 77 90 78	% 76 69 82 86 75	91 78 84 88 73	% 74 85 80 80 75	\$ 68 72 63 70 74	74 70 69 87 71	% 86 68 66 74 72	% 78 67 59 83 71	% 61 81 60 94 93	% 60 66 87 85 85	% 64 76 77 85 77	% 60 77 82 96 66	% 66 78 90 93 80	80 80 90 89 78	78 84 89 89 89	% 78 84 87 87 87	73 82 72 87 85	% 87 72 96 87 82	\$ 69-7 75-8 79-0 83-6 80-3	mb 6•4 6•1 6•2 <u>5•3</u> 5•6
6	79	75	81	85	93	91	89	90	82	74	73	71	62	63	70	72	67	60	71	73	82	80	85	81.	77-1	6·1
7	89	87	88	88	89	89	86	83	82	78	75	74	63	65	60	67	65	67	75	76	76	76	86	90	77-9	6·1
8	90	90	90	98	100	96	93	92	85	85	86	83	83	83	82	77	77	76	82	82	87	87	94	90	87-0	7·0
9	89	89	91	93	93	92	98	91	92	89	93	92	87	86	76	75	70	80	84	83	87	86	91	86	87-3	7·4
10	90	90	91	94	99	99	98	89	79	79	82	86	80	77	70	65	61	62	63	70	68	74	75	78	80-1	9·0
11	84	86	89	86	86	84	86	75	62	56	52	58	59	55	74	74	81	80	82	87	82	81	82	80	75 • 8	8•0
12	82	76	78	78	77	79	80	76	75	69	65	64	55	56	51	50	61	57	69	75	78	80	74	72	70 • 0	6•3
13	76	79	78	80	80	78	77	72	59	50	59	65	61	62	60	62	64	67	70	73	74	79	82	86	70 • 3	6•0
14	88	86	85	84	80	78	77	74	70	71	67	69	65	62	57	65	64	66	67	69	86	78	77	81	73 • 7	6•9
15	82	82	80	82	82	84	90	90	93	93	88	86	89	89	88	93	96	94	94	96	96	94	98	96	89 • 5	8•7
16	99	94	98	98	99	98	94	93	96	98	96	93	88	90	97	94	94	93	96	97	99	100	93	92	95 • 5	9·1
17	92	92	92	92	92	90	88	92	89	88	88	91	91	84	85	85	86	88	90	91	96	88	91	94	89 • 7	8·3
18	94	93	90	90	83	86	90	89	90	90	89	88	88	85	88	88	88	85	88	88	87	90	93	92	88 • 9	8·7
19	92	93	87	87	88	84	78	84	80	75	74	71	86	85	85	85	88	86	87	90	94	90	92	92	85 • 5	8·2
20	90	95	95	97	93	94	97	94	98	98	98	94	96	96	96	99	100	99	99	100	100	100	100	100	96 • 8	9·0
21	99	99	99	99	100	99	99	100	99	95	96	87	91	88	84	83	83	86	86	90	93	93	96	96	93 • 4	10•1
22	98	98	96	96	98	100	100	100	96	94	92	93	90	91	93	91	95	96	98	96	94	94	96	96	95 • 5	10•3
23	98	94	96	96	94	96	94	91	86	77	76	76	84	80	75	68	69	63	65	72	76	79	80	83	82 • 3	8•6
24	87	85	91	89	93	88	80	74	71	66	63	63	67	67	67	66	64	62	66	74	83	87	90	92	76 • 3	7•2
25	94	96	95	94	90	90	93	93	91	91	83	86	83	79	83	83	80	83	81	86	93	91	96	91	88 • 6	8•8
26	90	89	96	98	93	91	91	88	86	84	86	84	87	84	87	81	87	90	86	84	84	83	84	83	87-5	9•3
27	84	84	88	91	94	98	94	89	83	85	82	79	75	71	71	71	70	70	72	79	85	86	88	88	82-3	9•0
28	89	90	90	90	90	83	78	70	69	67	62	62	60	63	65	68	68	89	73	78	79	83	87	88	75-9	8•8
29	87	83	79	77	81	77	72	70	74	73	72	65	61	65	67	71	75	75	79	82	86	96	96	96	77-4	9•4
30	98	96	88	84	83	86	81	8£	89	96	96	91	89	83	82	79	73	76	76	76	75	77	75	74	84-3	8•9
Mean	88•0	87•2	87.1	87•0	87-2	86•6	86•4	84•5	83•0	80•5	78•0	78-1	76 • 9	<u>75•6</u>	76 • 7	76 • 5	76 • 8	77•0	80-2	82-8	85-6	85•9	86 • 7	87-4	82-6	†7 • 8
Vapour	mb	mb	mb	mb	≊b	mb	mb	mb	вb	mb	≖b	≊b	mb	∎b	∎b	mb	mb	mb	mb							
Pressure*	7•6	7•5	7•4	7•4	<u>7•4</u>	7•4	7•6	7•8	7•9	8•0	7∙9	8•0	8•0	7•9	7•9	7•9	7•8	7•7	7•7	7•7	7•7	7•7	7-6	7•6	‡ 7•7	
Hour G. M. T.	1	2	3	4	5	8	7	8	9	10	11	Boon,	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.

MAY, 1935

JUNE, 1935

ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulbs above the ground) = 12.5 metres 103.

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	n	Noon	13	14	15	16	17	18	19	20	21	22	-23	24	Kean	Vapour * Pressure
Day 1 2 3 4 5	72 96 91 87 83	73 96 89 92 78	73 96 88 88 88	% 75 96 90 89 88	74 96 89 91 93	74 93 91 88 92	73 89 87 79 91	% 69 92 73 75 84	\$ 62 84 69 68 86	72 88 65 53 86	70 85 65 50 83	71 81 65 44 79	73 78 64 43 83	71 74 62 40 82	71 74 64 49 74	% 74 75 61 54 83	79 80 59 58 71	% 79 81 64 65 85	\$ 85 77 62 67 87	% 85 76 66 64 85	% 87 74 74 73 74	% 87 79 75 77	% 90 95 80 77 82	91 88 86 82 82	% 75•9 85•2 74•2 69•0 82•9	mb 7•9 10•1 10•6 9•4 10•0
6 7 8 9	86 88 90 90 96	88 91 93 91 99	90 93 97 90 94	90 91 93 87 96	94 85 98 87 98	95 79 97 90 95	91 77 91 88 100	84 76 83 83 98	77 78 74 81 89	73 77 79 84 95	78 73 80 76 89	77 72 81 80 90	74 70 75 82 91	74 71 79 84 89	73 74 84 86 75	66 69 82 88 74	54 70 83 85 79	53 73 86 91 72	58 76 81 100 74	65 73 86 100 83	78 81 86 99 79	78 86 86 98 88	81 88 85 98 91	85 91 87 94 91	77.5 79.1 85.7 88.7 88.6	9.6 8.8 9.1 9.7 10.3
11 12 13 14 15	91 81 67 84 89	93 82 65 84 79	96 71 61 80 81	88 73 58 78 78	86 77 63 82 69	84 78 67 80 69	76 72 66 76 66	70 72 72 58 67	66 74 73 58 72	64 70 79 64 90	51 57 73 58 85	45 76 85 60 84	55 51 88 62 86	63 74 99 60 84	72 60 99 59 86	72 75 99 60 90	68 76 98 57 87	68 74 96 61 82	65 80 95 62 77	66 77 94 65 68	72 68 93 71 51	75 71 90 78 53	64 71 88 80 51	63 61 72 89 62	72.0 71.7 80.6 69.1 75.8	8•6 6•4 6•1 6•2 6•2
16 17 18 19 20	69 88 95 80 84	64 91 93 77 84	79 87 92 78 83	87 84 95 78 80	83 85 91 78 83	89 82 90 72 84	85 71 74 69 89	63 85 90 72 88	78 91 89 75 83	53 90 85 73 75	55 82 71 75 57	51 83 77 79 81	46 84 67 76 81	69 83 69 76 80	55 86 69 73 84	87 81 69 73 81	92 86 70 75 78	93 86 73 89 83	89 85 76 90 82	82 90 76 90 76	92 86 78 90 81	94 88 78 86 76	92 88 77 80 76	86 85 74 86 75	75·9 85·3 80·1 78·5 80·4	5•5 6•5 7•1 8•1 8•6
21 22 23 24 25	76 78 81 94 88	77 85 81 89	76 87 86 87 90	80 87 86 84 93	77 86 79 86 91	72 83 70 81 89	65 79 66 78 87	61 76 75 88 86	60 72 80 84 86	65 72 81 88 76	58 73 82 86 78	58 73 74 84 73	72 87 60 83 75	66 86 48 84 80	63 86 50 80 78	61 83 90 82 78	.59 88 86 79 78	63 88 89 86 79	63 89 88 86 78	65 91 92 91 75	71 82 98 86 74	75 80 94 86 79	74 86 91 86 79	80 83 94 88 81	68·1 82·4 79·8 85·4 81·6	7•1 9•0 9•5 9•1 9•4
26 27 28 29 30	82 86 100 90 83	85 88 100 88 84	85 93 100 90 85	83 91 100 90 86	80 96 100 88 86	79 96 100 87 84	78 98 100 87 83	74 96 100 86 82	73 98 99 83 83	72 94 94 79 81	71 87 93 81 78	74 84 92 77 74	76 88 91 81 73	76 88 92 78 76	74 89 91 78 79	77 92 92 79 79	71 96 93 82 76	76 98 94 85 79	78 100 93 83 80	78 100 93 86 80	81 99 93 86 85	79 100 93 85 88	82 100 91 85 91	83 100 88 83 93	77•7 93•7 <u>95•3</u> 84•1 81•8	8•5 9•8 9•4 8•5 8•8
31	91	91	88	84	83	78	70	70	67	69	68	68	71	66	69	76	70	72	76	74	n	70	71	73	74-8	8-2
Mean	85•7	85•8	86-0	85•7	85•6	84-1	80•7	79•0	77-8	77-0	<u>73·1</u>	73-9	73-7	74•9	74-3	77•5	76•8	79•5	80-1	80-4	81-1	82•2	82-9	83-1	80•0	†8 • 5
Vapour Pressure*	mb 7∙9	mb 7•8	mb 7•8	mb 7•8	mb 7•9	mb 8•1	mb 8•2	mb 8•4	mah 8∙6	mb 8•7	mb 8•6	mb 8•7	mb 8•7	mb 8•8	mb 8•7	mb 8•\$	mb 8•7	mb 8•8	mb 8•7	mb 8•4	mb 8•3	mb 8•2	mb 8•1	mb 7•9	mb ‡8•4	

\$ 66 65 87 \$ 63 67 80 \$65 65 82 82 99 \$65 63 88 83 99 61 85 80 100 63 84 78 100 68 84 61 83 79 100 68 94 88 100 70 88 90 100 5 68 76 84 94 61 87 81 99 67 89 86 99 73 86 91 99 90 85 94 86 84 96 87 73 73 84 86 66-0 84-3 86 86 86 96 96 94 93 96 98 94 100 100 99 84-5 5 93 97-3

7.0 8.4 9.1 10.1 92 84 66 88 94 68 89 100 99 83 73 91 99 84 70 91 86 74 65 92 76 87 11-1 98 87 72 89 88 79 54 86 96 63 70 89 90 59 66 94 87 70 70 96 82 62 73 98 91 55 79 99 84 57 81 100 94 71 83 99 97-1 7 8 9 90 64 74 87 73 70 98 75 91 100 82 77 85 74 88 82 61 88 79 60 87 54 81 12.0 9.2 9.0 90•7 72•3 64 84 99 11-2 93-4 12·1 11·6 11·6 11·5 11·7 94 95 98 92 92 93 100 87 87 95 87 92 87 60 70 74 87 56 78 84 76 72 72 88 77 69 73 89 71 69 69 87 75 75 80 81 76 86 87 87 83 74 91 93 83 72 89 92 87 91•6 78•3 83•9 86•9 12 13 14 15 79 89 88 98 79 82 85 99 80 88 74 98 82 77 81 95 68 76 83 95 76 83 83 81 83 92 93 87 82 81 95 87 90 88 95 92 82 99 96 73 81 70 100 84 79 17 18 19 20 86 84 72 99 75 80 68 99 75 78 69 98 71 79 66 94 81 72 77 92 83 74 75 94 84 70 75 91 83 71 75 86 86 72 79 80 80 68 81 81 83 72 80 81 83 74 83 70 84 80 92 69 11-3 88 84 81 93 87 86 83 95 84 82 76 99 79 81 66 99 72 76 65 96 66 77 73 94 82 79 93 78 85-2 83 76 93 83 76 94 81·5 77·8 76·4 89·9 9-8 10-1 75 10·6 13·4 22 23 24 25 72 86 82 93 73 87 86 91 72 87 84 89 82 92 87 92 88 94 96 99 91 89 91 97 91 90 93 96 94 93 94 96 95 92 96 96 96 95 95 92 85 94 93 90 84 93 90 87 85 91 91 80 84 87 91 86 89 88 87 90 92 85 80 94 89 86 74 93 87 87 77 88 81 97 83 87 84 95 85 92 89 93 86 92 94 97 88 94 95 99 91 95 93 98 82-3 14-6 16.0 14.4 14.3 84-7 89-8 90-1 92-9 72 87 69 100 27 28 29 30 91 85 64 75 90 86 69 83 68 68 90 79 77 68 85 75 73 65 88 69 70 67 82 68 73 67 86 72 80 70 87 77 84 68 99 94-7 81-3 92 93 90 79 90 91 85 78 87 91 79 73 86 83 78 78 87 74 73 90 86 71 69 93 75 75 74 90 92 86 87 83 71 72 86 68 75 83 68 75 91 83 75 94 83 14•5 13•1 77•9 74•8 86•1 89 78 97 14.0 13.5 87-4 88-0 88-9 88-0 86 - 5 84-7 83-3 82-4 81-1 80-1 79-3 80-2 79-7 80-0 81.6 82-8 84-4 85-7 87-4 87-1 87-7 84-0 +11-7 89-5 82-7 79.1 mb 11•5 Vapour 11.0 mb 11:4 mb 11-7 17-8 mp 17-8 mp mb 11-7 **≥b** 11-6 mb 11-8 mb 11•7 mb mb 11∙5 mb 11-4 ⊒b 11.3 #11.6 11.5 11.0 11.0 12-0 Pressure <u> 10-8</u> 11-8 11-9 11.9 12-0 12-1 Hour G. M. T

104. ABERDEEN: North Wall Screen on Tower: ht = 12.5 metres

JULY, 1935

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Hour G. M. T.	1	2	3	4	5	6	7	8	9	- 10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour * Pressure
Day 1 2 3 4 5 5	% 99 94 76 87 60	94 69 90 62	% 97 91 75 86 66	% 97 89 68 88 67	98 94 70 90 67	% 99 96 59 63 66	99 96 56 58 73	% 100 96 54 55 69	98 92 53 54 56	% 100 79 59 53 54	98 75 56 52 62	98 68 65 51 61	99 71 60 51 59	99 70 60 55 77	95 86 59 54 66	96 91 59 50 64	92 88 79 51 77	94 93 88 52 85	96 86 91 58 85	% 90 87 90 61 81	\$ 91 91 94 63 80	% 89 92 92 66 78	% 89 76 90 66 79	% 91 78 90 65 78	\$6.2 86.6 71.1 63.8 69.4	mb 13·9 14·9 11·7 12·2 11·4
6 7 8 9 10	78 85 74 72 82	82 89 81 80 80	84 91 85 86 72	76 90 86 90 77	74 87 82 90 73	72 84 83 86 71	72 78 80 82 74	92 74 72 78 81	91 69 71 79 86	87 69 70 70 81	81 64 65 72 78	73 66 66 70 76	71 67 65 68 75	71 63 64 64 74	67 71 62 65 88	65 70 65 61 91	66 69 64 63 93	73 69 64 70 94	77 69 66 76 93	73 66 71 80 94	78 65 66 81 96	76 65 62 82 94	80 69 65 85 93	87 69 70 87 94	76 • 7 73 • 6 70 • 8 76 • 2 83 • 6	11•3 12•0 13•6 13•9 15•0
11 12 13 14 15	94 90 96 88 87	95 81 97 90 89	95 93 99 93 85	94 91 98 94 74	93 89 97 94 74	86 84 96 94 78	77 83 93 91 79	76 83 81 89 83	78 82 82 88 78	75 83 79 83 80	74 77 77 87 82	80 79 63 86 76	80 80 74 80 78	81 77 66 74 79	80 77 72 79 69	76 80 70 67 62	73 81 70 68 66	72 82 67 58 60	78 86 42 53 53	83 91 36 67 58	87 91 69 71 63	89 90 73 83 69	90 95 81 85 73	93 96 84 87 75	83·3 85·0 77·8 81·1 74·0	13•9 14•1 <u>16•3</u> 12•6 12•5
16 17 18 19 20	74 75 91 88 95	79 69 92 90 98	74 67 93 93 98	82 72 89 91 98	78 68 89 91 97	76 65 80 84 95	74 6 6 69 78 87	73 63 66 71 84	67 62 62 68 82	71 65 60 65 80	65 70 75 61 77	61 83 71 58 72	86 88 80, 63 74	80 85 77 62 69	80 83 76 65 72	82 86 83 69 70	82 77 82 74 71	89 86 88 75 70	91 81 82 82 75	90 93 86 88 73	90 90 87 88 75	78 95 94 86 75	78 92 88 87 76	76 92 87 92 72	78·1 77·7 81·2 77·8 81·0	13•4 11•9 11•4 11•3 12•1
21 22 23 24 25	69 91 84 76 69	68 91 88 73 70	71 91 88 71 74	71 96 86 70 75	71 96 88 79 75	68 85 85 68 70	67 77 84 65 68	66 68 83 66 67	61 76 72 58 61	59 79 62 54 57	62 78 67 54 54	63 77 50 56 43	61 72 62 52 45	51 73 54 52 45	54 76 59 57 47	58 66 57 58 67	57 56 56 50 62	57 60 74 60 62	64 69 84 66 68	72 62 89 70 71	79 71 92 79 76	84 74 90 82 81	87 80 93 86 88	89 80 85 81 88	66 • 7 77 • 0 76 • 2 66 • 0 65 • 8	10-1 13-4 16-1 11-3 12-1
26 27 28 29 30	87 93 64 71 81	85 93 67 80 84	84 93 65 82 86	81 92 64 92 84	75 92 65 83 86	74 91 62 77 81	65 89 62 74 75	61 85 63 64 73	58 79 67 73 69	55 90 61 73 6 5	59 91 59 65 66	64 91 60 58 65	59 94 67 58 55	59 95 69 71 53	59 63 59 66 50	71 59 61 70 55	75 49 61 66 55	80 51 81 65 61	83 53 70 62 62	83 59 74 66 67	82 60 76 74 69	85 60 71 75 79	88 58 68 78 82	88 62 70 80 86	73·3 77·3 65·9 71·6 70·3	11-6 14-5 11-0 10-0 10-2
31	87	88	88	90	89	85	76	76	69	63	58	56	51	53	56	57	59	60	63	65	66	70	75	76	70•0	11•6
Mean	82•5	83•7		84•3		79•5	76 • 4	74·6	72•3	70 • 4	69•7	67•9	69*2		68•1	68•9	68•8	72•3	73•0	75•4	78•7	80•0	81·3	82•£	75•7	112-6
Vapour Pressure*	mb 11•9	11.8	11.6	11.6	11.8	12•G	mb 12•3	12.5	12.7	12•7	12.9	13.0	13.3	13-2	13•2	13.0	12.8	13*0	12*8	12.7	12-6	12•4	12.5	13.0	‡12.6	

106.	A B E RDI	CEN:	Norti	wall	. Scr	een or	Towe	r: ht	; = 12	?•5 me	etres													ΔŪ	GUST,	1935
Day 1 2 3 4 5	% 82 76 75 81 77	\$8 78 77 80 78	% 83 81 76 78 81	% 88 82 77 78 82	% 85 85 79 78 84	% 87 78 72 82 80	% 82 75 67 73 79	% 78 68 65 74 80	56 65 63 63 75	% 58 60 70 61 73	57 69 73 57 76	58 72 68 55 71	% 57 77 64 55 74	58 74 66 61 72	% 60 71 71 58 76	57 66 67 72 81	% 61 66 71 64 83	% 70 66 71 6? 86	% 67 66 73 73 85	% 79 73 76 75 83	% 77 73 77 76 85	73 73 78 75 86	% 74 76 82 75 90	% 73 74 83 76 89	% 71.2 72.6 72.4 70.4 80.0	mb 12.5 11.4 11.9 14.0 15.2
6	88	85	83	83	84	82	82	80	79	75	70	69	69	68	67	69	66	74	76	81	88	87	89	90	78•5	14.6
7	88	87	88	90	87	85	78	76	72	70	67	62	64	70	73	78	80	75	79	79	82	83	83	85	78•5	15.6
8	82	84	83	82	81	79	79	80	74	73	73	67	76	88	89	95	93	95	93	93	91	91	90	90	84•1	15.7
9	92	93	93	92	90	90	87	86	76	77	73	76	68	68	68	63	76	81	85	64	69	67	69	70	78•5	13.7
10	72	82	82	84	83	85	80	77	74	73	69	67	70	69	71	74	73	78	79	82	85	84	85	86	77•3	14.5
11	89	88	89	87	83	83	81	88	92	85	78	71	68	70	76	77	80	88	87	90	90	88	91	81	83•4	14.0
12	87	87	80	82	86	81	76	69	64	60	62	67	80	68	64	55	59	63	65	70	79	78	77	83	72•5	9.8
13	79	78	81	83	81	75	66	60	59	56	57	58	56	62	55	55	56	62	69	78	81	80	86	86	69•1	10.1
14	87	88	83	86	80	78	77	75	71	70	6 6	67	64	68	74	66	67	64	69	80	79	89	89	90	76•0	12.3
15	86	89	88	89	87	85	76	71	58	64	61	69	69	63	61	68	72	87	86	93	94	96	94	94	79•1	12.8
16	95	94	94	92	94	94	90	85	64	68	74	81	76	80	85	82	85	88	91	90	93	91	91	93	86 • 3	13•5
17	91	93	91	93	92	93	91	88	85	83	84	82	82	84	84	84	85	87	88	91	92	92	95	94	88 • 5	14•4
18	94	95	95	96	98	98	96	92	85	85	81	75	67	74	78	77	74	81	84	85	93	90	90	91	86 • 5	16•1
19	93	96	95	96	95	95	94	91	86	84	77	73	73	77	61	51	54	59	62	69	75	80	78	80	79 • 1	15•9
20	78	83	85	86	87	87	86	81	77	74	74	71	73	74	73	70	69	69	75	80	80	80	82	86	78 • 2	16•6
21	87	87	88	89	91	91	90	89	85	78	75	73	72	75	80	77	63	57	48	61	66	70	66	64	76 • 4	14.0
22	63	70	71	71	74	74	76	80	53	56	60	74	78	65	71	79	85	87	90	91	93	94	95	95	76 • 2	11.9
23	95	93	90	92	88	87	85	71	66	72	68	63	72	60	63	60	62	63	60	66	74	83	87	85	75 • 4	14.1
24	88	88	87	85	87	89	90	89	87	84	84	84	87	89	88	91	91	91	93	77	85	85	88	87	87 • 2	15.7
25	91	88	87	87	87	90	90	85	84	76	70	71	72	70	66	65	68	67	78	86	88	89	89	89	80 • 5	12.9
26	89	83	87	80	81	75	75	78	87	85	70	59	57	57	58	68	80	79	82	86	93	94	93	96	78 • 7	12-4
27	93	91	91	92	92	92	92	90	84	87	83	78	73	72	77	83	79	78	77	81	82	86	88	89	84 • 7	10-3
28	89	89	92	91	91	89	88	81	78	79	71	72	75	82	79	73	75	75	84	90	89	91	92	91	83 • 5	12-5
29	89	88	87	85	84	82	82	79	66	69	74	73	75	68	70	77	74	82	84	85	79	86	87	88	79 • 8	10-3
30	87	88	89	88	88	88	83	85	88	90	93	93	89	83	84	88	87	89	90	90	91	91	90	93	88 • 3	12-5
31. Mean	93 85•7	94 86•4	94 86•2	93 86•5	93 86•3	92 85•1	91 82•5	89 80-0	74-4	90 73•7	94 72•3	86 71·1	71-4	71.5	75 71•8	70	70 73•2	72 75•8	76 77•9	77 80•7	78 83•1	79 84•2	85 85•4	83 85•6	84·5 79·3	13-6
Vapour Pressure×	13°0	mb 12-9	mb 12•8	mb 12•7	mb 12•7	12•7	13-0	13·3	13•3	13°4	13.5	13.6	13.6	13°5	13°5	13°4	13°4	13°6	13°4	13°4	13°4	13°4	13.3	13°1	‡13°3	
Hour	1				I	I				-							I					1		1	l i	i i

[†] Mean of the column: # Mean of the row.

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Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour* Pressure
Day 1 2 3 4 5	% 86 94 67 80 94	% 83 97 64 80 92	% 80 96 70 78 88	% 81 96 76 79 89	% 81 97 74 79 86	93 96 76 78 86	% 81 98 77 72 86	% 72 97 76 70 81	% 66 96 70 72 73	% 62 90 66 75 69	% 66 86 65 71 61	63 81 59 66 67	% 65 78 54 69 65	% 63 81 60 81 64	\$ 69 82 53 87 62	% 73 76 54 89 59	% 77 73 56 85 61	% 84 69 57 90 69	% 86 75 62 87 75	% 91 87 67 83 83	% 93 85 70 82 86	92 73 73 78 83	% 93 70 76 85 81	92 68 76 90 83	78.6 85.5 66.4 79.1 76.9	mb 12.6 13.9 10.5 11.0 10.2
6 7 8 9 10	80 80 88 83 70	81 77 86 84 68	81 80 86 86 66	79 82 86 86 86	83 81 85 83 73	83 82 84 85 82	82 87 71 83 82	81 86 63 76 79	78 75 55 67 74	80 56 58 62 73	67 57 57 59 75	66 63 59 58 72	63 61 57 59 74	66 68 58 57 78	57 67 58 57 85	62 66 5 9 60 89	63 69 60 61 88	74 73 62 63 91	80 76 66 67 89	82 82 78 68 87	82 84 83 69 85	79 84 81 69 85	78 87 81 70 85	74 88 81 65 87	75•2 75•2 71•1 70•2 78•9	9•7 9•1 8•4 8•5 11•2
11 12 13 14 15	87 83 93 85 75	85 88 87 85 76	85 91 85 85 85	86 89 89 85 87	88 93 90 87 85	88 92 88 89 82	87 89 81 88 87	72 94 73 90 85	81 89 73 82 84	77 89 69 75 82	77 93 66 67 89	78 96 64 73 90	79 95 55 77 89	74 89 51 76 87	80 88 56 73 88	81 87 55 70 82	83 93 60 70 85	86 94 61 72 87	85 93 64 75 86	82 91 70 78 78	78 93 74 73 81	78 92 80 76 83	85 94 85 73 87	82 93 83 76 84	81.9 90.9 73.2 78.5 84.2	13•1 13•5 12•2 12•6 12•4
16 17 18 19 20	87 92 74 89 71	85 95 77 89 70	84 98 82 92 71	83 94 80 95 66	83 92 74 93 68	83 94 75 93 66	84 93 79 73 69	85 90 71 70 69	81 85 69 69	68 74 59 69 59	59 86 57 66 59	54 95 55 59 73	50 92 56 50 56	51 85 54 56 51	58 82 54 64 52	63 75 58 59 53	61 73 58 65 60	71 79 63 68 60	74 78 65 66 63	77 76 66 63 65	85 76 74 62 68	78 78 76 70 73	82 75 83 73 74	85 75 87 73 74	73•8 84•9 68•3 72•2 <u>64•8</u>	11.3 11.8 10.1 11.8 10.1
21. 22 23 24 25	82 89 93 68 84	81 87 88 66 86	77 89 86 67 86	78 81 86 79 88	79 85 86 74 88	78 91 88 79 87	73 84 93 78 88	66 85 86 70 86	65 91 76 65 86	61 88 77 67 83	58 95 72 65 83	63 96 69 68 63	66 93 57 69 66	66 94 63 75 69	70 92 64 67 70	68 92 74 70 65	67 91 69 70 68	77 92 78 71 71	83 98 72 74 80	88 100 74 79 82	89 98 74 81 86	92 94 70 84 91	91 93 68 88 86	91 98 73 86 86	75.0 91.4 77.0 73.1 80.3	10•2 11•0 9•6 <u>8•3</u> 8•7
26 27 28 29 30	86 94 84 93 89	84 94 89 87 92	90 94 88 87 92	89 96 88 91 90	87 96 87 87 92	86 96 90 88 93	90 93 92 85 89	86 90 92 80 87	79 86 93 81 80	71 80 96 77 79	62 70 97 77 76	65 71 96 72 76	64 73 97 66 84	70 74 97 67 80	71 76 97 75 76	77 73 97 71 79	85 76 92 78 85	91 80 86 82 79	95 80 84 71 80	94 83 84 75 83	94 85 83 80 83	92 90 80 80 80	94 89 84 85 84	94 82 86 85 89	83•0 84•5 89•9 80•0 84•0	9•3 12•1 11•6 10•1 10•1
Mean	84•0	83•4	84•2	84•7	84•5	<u>85•7</u>	83•8	80•3	76•9	73•0	71•3	71-0	<u>69•3</u>	70•2	71•0	71.2	72.7	76•0	77•6	79•9	81.2	81•1	82•6	82•3	78•3	† 10•8
Vapour Pressure*	mb 10•6	mb 10•5	mb 10•5	mb 10•5	mb 10•4	mb 10•5	mb 10•6	10.9 mp	11.0	10•9	mb 11•0	11:1	11.0	11.0	11.1	11.1	11.1 mp	11.1	10•8	mb 10•7	10•6	ль 10•5	10·5	mb 10-4	\$10.9 mp	

108. A	BERDE	EN:	North	Wall	Scre	en on	Towe	r: h _t	= 12	•5 me	tres													OCT	DBER,	1935
Day 1 2 3 4 5	90 84 75 96 94	92 86 74 96 94	90 84 75 96 93	90 87 78 95 93	% 89 85 80 95 95	92 85 78 96 93	% 92 87 83 96 90	% 88 84 83 94 90	% 86 75 85 92 92	% 80 79 85 90 92	% 74 74 84 91 94	68 71 85 81 94	% 66 79 86 91 90	% 60 71 89 93 89	% 67 70 91 93 89	% 63 70 94 94 89	% 69 69 84 91 89	% 78 70 89 85 92	% 83 69 92 95	% 83 72 88 94 92	% 84 71 92 95 92	% 84 69 91 94 94	% 81 72 94 94 94	83 73 95 94 93	95 80•6 76•7 85•0 93•0 92•1	mb 8.6 8.4 11.0 12.3 11.5
6	92	94	95	95	94	94	94	95	93	93	91	84	89	85	78	82	81	84	89	90	90	91	91	91	89•8	10•9
7	90	90	87	89	86	89	92	86	84	77	80	75	75	70	67	82	84	64	67	71	72	75	80	83	80•0	8•8
8	82	82	79	84	86	91	89	88	91	84	74	70	61	60	61	68	67	73	75	74	74	76	71	72	76•6	9•2
9	77	77	73	74	74	74	78	72	70	69	62	70	72	75	71	72	78	83	86	86	86	83	83	83	75•9	7•8
10	85	87	87	87	89	77	77	74	68	61	56	59	53	54	55	61	63	67	62	66	67	70	70	69	69•6	7•3
11	72	74	75	77	74	74	75	72	70	68	62	56	50	51	62	69	69	70	71	73	72	75	77	74	69·1	7-0
12	74	74	77	76	75	83	82	74	70	69	71	71	71	67	67	69	68	72	74	73	75	80	80	78	73·7	8-1
13	80	82	79	83	83	84	87	83	77	79	82	76	74	75	79	77	77	77	80	85	89	89	90	88	81·3	10-7
14	85	74	65	64	69	60	67	68	61	64	61	6 5	64	68	65	68	75	80	77	80	83	86	85	85	71·7	10-3
15	85	85	83	83	79	86	87	90	87	93	93	93	90	88	86	88	90	90	93	94	90	93	75	90	87·9	12-2
16	88	91	94	97	96	92	91	93	90	75	62	55	58	54	57	54	60	62	65	65	66	68	74	74	74 • 5	9•7
17	73	72	73	74	77	83	83	79	80	71	65	67	64	55	64	62	62	66	71	68	72	64	73	74	70 • 5	8•0
18	77	75	74	72	71	70	74	71	67	73	70	69	86	86	79	88	88	93	92	88	73	69	64	67	76 • 6	8•2
19	73	72	75	75	69	69	62	71	79	74	89	88	84	80	84	83	84	88	84	81	76	79	84	73	78 • 0	8•5
20	81	69	63	66	71	61	79	66	56	63	77	73	75	73	78	79	75	75	84	89	83	85	74	76	73 • 7	<u>5•7</u>
21	83	84	80	85	85	80	82	78	78	74	73	80	72	83	77	78	89	87	91	91	90	87	87	85	82·3	6-0
22	83	83	83	85	85	85	87	89	84	78	66	66	63	61	65	66	71	76	72	71	74	72	78	75	76·0	6-1
23	76	78	79	81	84	80	79	74	73	72	74	73	75	73	75	76	79	78	75	75	74	78	87	92	77·1	8-0
24	93	92	87	88	84	92	91	92	93	91	91	88	83	84	86	88	83	87	87	92	84	84	88	89	88·3	9-8
25	86	84	81	83	90	90	86	89	86	86	88	91	88	89	89	89	91	91	89	89	88	91	92	87	88·1	9-5
26	88	90	88	83	86	86	90	88	88	86	86	81	85	86	88	74	71	68	63	72	62	62	60	65	79·5	8•4
27	62	67	65	67	72	72	77	75	84	87	91	94	94	94	94	93	96	96	98	94	94	89	90	88	84·2	8•3
28	87	86	81	84	79	78	79	82	77	76	71	67	66	63	66	73	70	74	84	89	88	89	91	92	78·7	8•3
29	92	92	91	92	74	73	70	75	75	74	86	80	76	74	71	70	71	69	76	68	82	74	76	77	77·7	8•3
30	79	74	73	71	71	82	85	84	88	77	79	75	69	69	65	71	75	78	71	68	72	69	70	70	74·5	6•8
31.	69 82-3	75 82•1	73 80-6	72 81•6	73	70	75	75	73	66	71	65	61	61	63	69	69	67	63	70	69	n	71	72	69•3	6-1
Vapour Pressures	mb	mb 8•3	mb 8•2	mb 8•2	mb 8-1	mb 8•1	mb 8•2	mb 8•3	79-3 mb 8-6	77-6 mb 8-8	mb 8-9	75•2 mb 9•0	74.5 mb 9.1	73•5 mb 9•0	74-3 mb 9-0	76•1 mb 9•0	77-0 mb 8-9	78•4 mb 8•8	79•6 mb 8•7	mb 8-6	80•0 mb 8•4	80 • 0 mb 8 • 4	mb 8•3	80-9 mb 8-4	79·1	†8• 7
Hour G. M. T	1	2	3	4	5	6	7	8	9	10	11	Noon	<u> </u>	14	15	16	17	18	19	20	21	22	23	24	Mean	

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Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour* Pressure
Day 1 2 3 4 5	% 74 86 85 95	% 74 88 77 95 98	% 69 86 83 95 100	% 71 89 88 96 97	73 81 90 97 99	75 83 94 99 98	% 75 84 92 99 98	% 79 81 93 99 100	% 83 80 98 99	% 77 80 97 99 95	% 75 85 97 100 96	% 73 89 97 98 92	% 70 92 95 97 88	% 76 93 97 96 86	% 74 90 97 98 86	% 81 83 97 98 88	% 80 85 97 98 92	77 86 95 96 92	73 84 93 96 92	77 82 93 98 91	% 79 84 93 98 91	\$ 81 83 92 99	\$ 83 83 92 96 92	79 81 94 98 93	76.0 84.9 92.5 97.4 93.9	mb 7•4 9•6 10•9 11•8 9•9
6	93	94	88	82	86	83	86	91	83	75	73	72	73	74	76	78	83	86	90	91	94	94	93	93	84•6	7-9
7	93	95	89	93	94	96	95	95	94	93	93	91	91	91	76	76	77	78	77	76	75	81	82	83	87•0	8-0
8	86	91	91	87	90	94	89	91	93	91	91	86	91	90	90	88	88	86	82	77	84	85	82	85	87•8	8-0
9	88	94	94	94	91	94	94	93	90	87	87	86	87	87	86	83	87	88	93	92	91	92	98	78	89•9	8-6
10	88	87	86	86	86	88	88	86	88	84	82	86	86	89	88	88	86	89	89	88	92	90	94	89	87•4	9-8
11	94	97	96	95	96	98	98	98	9-5	98	96	93	88	88	88	91	92	92	92	92	93	79	81	80	92·3	8•4
12	83	84	84	83	88	86	88	89	77	76	70	70	68	71	71	64	76	77	79	79	78	78	80	77	78·2	7•6
13	83	82	84	85	85	86	85	85	90	85	85	84	76	78	81	83	85	89	93	92	94	94	91	93	85·8	6•6
14	89	94	90	88	87	89	86	84	83	90	91	91	88	85	77	78	79	77	82	82	84	68	87	87	85·8	7•3
15	92	91	88	92	95	95	95	95	95	91	96	99	98	94	93	93	88	87	90	87	85	86	83	84	91·4	8•0
16	85	90	92	89	84	80	83	79	79	81	82	85	85	84	87	84	83	90	89	89	90	92	93	96	86.0	8•0
17	100	98	100	98	100	100	100	98	94	78	81	87	85	86	86	86	84	83	81	76	74	79	88	88	88.9	8•0
18	93	89	82	83	89	89	89	88	91	88	87	91	91	89	91	91	91	91	89	89	89	89	88	88	89.0	9•8
19	87	87	88	89	91	91	89	91	89	89	88	89	88	88	88	89	84	87	87	87	86	86	86	86	88.0	10•0
20	84	83	86	83	86	83	84	83	82	70	75	80	79	80	83	83	84	81	81	80	77	84	81	77	81.4	9•3
21	83	75	73	73	77	82	81	82	80	77	83	79	89	81	81	81	81	75	75	86	86	85	86	88	80.6	8-5
22	80	77	85	80	83	81	80	77	77	80	76	76	77	79	80	80	78	83	84	84	84	81	86	78	80.5	8-1
23	72	72	69	68	67	65	66	66	80	77	68	65	67	68	72	80	82	87	89	91	89	89	89	90	75.9	6-1
24	89	87	85	81	78	79	80	81	76	76	71	70	70	72	78	87	88	85	78	75	75	74	76	75	78.9	6-7
25	71	72	77	72	73	77	80	75	77	82	87	85	69	72	62	76	77	78	78	78	73	76	77	77	75.8	6-8
26	76	79	80	82	82	81	70	62	65	68	76	60	70	66	66	68	64	67	59	65	64	70	70	69	70-1	6•4
27	70	70	73	72	73	66	69	61	62	57	59	64	62	64	69	75	70	75	75	76	84	81	81	83	70-2	6•3
28	88	91	91	90	89	88	86	83	82	82	79	75	74	72	74	76	75	74	70	70	71	71	68	71	79-0	8•7
29	72	72	75	78	72	75	78	71	81	82	79	81	66	66	65	73	75	76	74	75	77	78	77	82	74-8	6•4
30	82	78	77	78	84	82	78	82	82	79	79	:76	78	76	78	79	80	85	85	87	87	88	85	89	81-3	<u>6•0</u>
Mean	85•3	85•4	85•2	84•7	85•5	85-9	85•5	84-6	84•6	82-8	82-9	82•3	81.3	81.3	81-0	82-6	83•0	83•7	83-3	83•5	84-0	84-5	84-9	84-4	83-8	†8·2
Vapour Pressurë	mb 7•8	mb 7•6	^{mb} 7•6	mb 7•6	mb 7•8	mb 7-9	mb 7•9	^{mb} 7•9	mb 3•8	8•5 mp	mb 8•4	^{mb} 8•7	₩b.7	mb 8•7	mb 8•5	mb 8•5	8.3 mp	mb 8•2	mb 8•1	8•0 mp	въ 0-8	∄b 7-9	₹ ^b 9	# ^b e	‡ §. J	

110.	ABERDEEN:	North Wa	all Screen	on Tower:	ht:	= 12.5 metres
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DECEMBER, 1935

Day	%	%	15	%	%	%	%	*	*	15	15	15	15	15	*	*	8	*	*	*	*	18	*	8	*	mb
1 2	92 73	89 79	84 75	78 74	75 73	75 76	72 87	73 98	71 85	61 75	61 70	65 68	85 87	64 69	68 73	70. 71	75 69	79 66	77 64	71 63	71	73 73	74	74 80	73·5 73·7	5•3 6•0
3	77	79	76	74	77	78	80	75	74	79	77	77	77	77	78	80	80	82	83	83	82	83	85	83	78-9	6-5
4 5	78 88	78 92	80 92	80 92	82 94	81 94	79 92	76 90	75 89	73 78	69	69 71	62 70	62 70	67 69	75 75	76 74	71 75	80 80	79 82	84 82	80 85	85 85	88 85	76·1 82·0	5•5 5•2
6	89	87	87	89	89	89	94	85	80	84	80	77	79	79	80	83	85	82	89	90	90	92	90	89	85•7	5•9
7 8	90 95	92 95	94 93	90 95	92 95	92 94	90 94	89 90	90 89	86 84	83 83	83 80	80 80	82 84	87 87	87 87	89 91	91 90	91 92	92 91	93 94	93 93	90 93	89 94	89•0 90•0	5•8 6•5
9 10	95 84	98 88	96 89	96 87	98 87	100 91	98 90	100 91	92 91	90 92	92 91	87 91	87 91	87 91	82 93	83 93	92 93	90 96	90 96	94 94	91 96	90 96	90 96	90	92-1 91-7	7•4 6•5
п	96	98	96	98	98	98	71	70	74	66	68	65	68	70	70	68	72	n	71	73	77	75	78	82	78•3	6-4
12 13	85 92	87 94	92 95	95 95	97 95	97 91	98 92	96 94	98 92	98 87	98 80	97 83	98 89	97 86	95 86	95 87	93 89	94 91	96 89	94 89	96 91	92 93	92 93	92	94·5 90·2	7•1 5•8
14 15	94 87	96 90	93 88	93 90	89 89	85 93	87 90	80 92	80 93	76 89	73 92	77 94	75 91	77 84	87 77	91 83	93 85	90 77	87 85	90 87	93 89	88 90	87 90	87 94	86·3 88·1	6-4 6-4
16	98	97	94	90	86	90	86	87	89	90	94	93	93	94	95	93	93	89	89	86	91	84	76	91	90-4	6+0
17 18	91	89 92	100 91	96 93	92 93	90 93	89 95	93	94	93	94	95	91 94	91 91	91	94	93	94	93	87	91	89	89 93	89 94	92-0 92-1	6•3 6•4
19	89 91	91	90	92	90	87	89	93 85	94 87	84	93 84	93 85	87	89	89 93	91 93	91 88	91 91	90 91	91 89	93 89	93 87	87	88	88 • 7	6-1
20	93	89	93	93	95	93	93	91	93	95	91	93	91	90	91	90	91	98	95	94	94	94	93	93	92•6	6-7
2 <u>1</u> 22	91 80	89 79	89 81	88 81	85 84	85 83	85 80	85 87	85 82	73 89	72 85	70 88	69 84	72 91	70 84	70 92	72 92	70 94	76 94	77 89	78 89	74 85	74 92	75 85	78•5 86•0	5•5 5•7
23 24	80 83	73 87	73 87	73 86	71 87	73 85	73 87	74 91	74 63	73 70	72 74	69 66	66 60	64 66	67 68	70 68	72 69	74 68	76 65	81 68	84 78	82 87	87	85 89	74-4 76-5	<u>4-2</u> 5-0
25	89	93	94	93	93	94	93	94	98	98	99	98	98	98	99	99	99	99	99	93	93	94	96	96	95-6	9-2
26 27	94 94	96 96	96 94	94 94	96 91	96 90	94 88	93 91	93 89	93 94	94 93	93 90	90 94	91 93	89 96	94 94	94 96	94 100	94 99	96 100	96 99	98 98	94 97	93 91	94·1 94·3	9-5 9-5
28	88	91	88	85	86	86	89	92	90	89	89	89	89	86	86	92	91	91	95	96	93	93	87	90	89-6	7-4
29 30	85 90	82 89	85 88	93 87	86 - 88	89 94	89 96	92 96	90 99	89 99	87 96	87 94	87 94	88 96	82 94	87 96	89 95	89 96	96 95	92 100	96 98	98 98	98 100	100	89 • 7 94 • 9	6•4 8•5
31	100	100	100	98	100	100	100	98	100	98	100	100	100	100	100	97	98	99	100	96	99	100	100	98	99-3	8-7
														-			-									
Mean	88 • 7	89•5	89•5	89•1	88 • 8	89•1	88 • 4	88•4	86-9	85•1	83-8	83-5	82-8	83-2	83-6	85•4	86 • 4	86 · 5	87•7	87•3	89-2	88-7	88-6	89-5	87-1	†6·6
Vapour Pressure×	8·4	8.4	mb 6-4	6.3 mp	mb 6•3	6-3	9.3	mb 6-4	mb 6-4	mb 6-4	mb 6•5	mb	mb 6•7	mb <u>6•7</u>	mb 6•7	тb 6•6	8-6	g.6	9.6 mb	mb 6•5	nb 6•5	8-6 mb	8-6	mb 8-5	‡ 6°5	
Hour G. M. T.	1	. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
							L					لـــــا	L	<u> </u>	L					L				L		

^{*} Computed from the mean temperature and mean relative humidity. † Mean of the column.

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

111. ABERDEEN: North Wall Screen on Tower: ht (height of thermometer bulbs above the ground) = 12.5 metres

1935

Hour G. M. T.	1	2	3	4	, 5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	ģl	22	23	24	Mean
Relative	%	%	≸	%	≸	≴	%	\$	%	≸	%	%	%	%	%	%	%	%	%	%	%	%	⅓	%	%
Humidity	84-2	84·5	84•3	84·4	84•3	83•7	82-8	81·3	79-3	77-7	76·2	75·2	74·7	74·9	75·2	76·1	77·1	78• 9	80•0	81-1	82·3	82-8	83•3	83-6	80•3
Vapour Pressure	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	
in millibars*	8-6	8-5	8-4	8-4	8-4	8-5	8-6	8·7	8-9	8-9	9∙1	9-1	9-2	9-2	9·2	9·1	9-1	9•0	8-9	8.9	8:8	8·7	8·7	8-6	

*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 changet

112. ABERDEEN: North Wall Screen on Tower: ht = 12.5 metres

1935

Month	Mean	Hour	G. M. T	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
Jan. Feb. Mar.	76-8	% -0·3 +2·1 +4·2	+1.2	-0-8	-0-5	+0-2		+2-2	+1.8	+0-9	-0-4	-2-9	-4-5	-5.5	-4-5	\$ -1.9 -4.7 -5.2	-3.6	\$ +0.5 -0.5 -3.7	+1.8	+2-2	\$ +1·3 +2·8 +0·9	+3.2	% -0·4 +2·9 +2·8	+2.8	-0·3 +2·4 +3·9
Apr. May June	80.0	+5-6	+4·8 +5·8 +4·3	+6-0	+5-7	+5-6	+4·1 +4·1 +2·7	+0-6	-1-1	-2-2	-3.1	-6-9	-4·5 -6·1 -4·0	-5·7 -6·3 -4·8	-5.1	-5-8	-2.5	-3-2	-0-6	0.0	+0·1 +0·4 +0·1	+1•0	+2-1		+4·6 +3·1 +3·2
July Aug. Sept.	79-3	+6-5	+7·7 +7·2 +5·2	+7.0	+7-3	+7·8 +7·1 +6·3	+5-9	+3-3	+0-8	-4-9	-5.5	-7•0	-7·7 -8·1 -7·3	-7-9	-7-9		-7-1	-6-2		-1.5		+3.8	+4.8	+6·0 +6·0 +4·3	+6·9 +6·2 +4·5
Oct. Nov. Dec.	83-8	+1.7	+2·8 +1·8 +2·6	+1-6	+1.1	+2•0 +1•9 +1•8	+2.2	+1-8	+0-9	+1.0	-1.0	-0-9	-3·9 -1·5 -3·6	-2-6	-2.6	-4·8 -2·9 -3·5	-1.4	-1.0	-0-3	+0·7 -0·7 +0·6	-0-5	0-0	+0.5	+1·7 +0·8 +1·5	+2·0 +0·2 +2·2
Year	80-3	+3-9	#•7	+4-0	+4-1	+3-9	+3-3	+2.5	+1.0	-1.0	-2-6	-4-1	-5-1	-5-6	-5.5	-5-1	-4-2	-3-3	-1-4	-0-4	+0+8	+2•0	+2-4	+3•0	+3-2

See page 23

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES

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

113. ABERDEEN: $H_r = 24 \cdot 1 \text{ metres} + 0.6 \text{ metres}$

1935

Hour G. M. T.	0 to 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	37-0	36 · 4	38 • 6	28 · 9	37 • 7	30•0	36·7	32·8	ил 32-4	mm 33-3	mm 37∙7	mm 42·1	mm 42·1	mm 29·1	30-0	mm 42·3	mm 44・4	mm 46·3	mm 43·6	mm 36 • 4	mm 42-9	mm 37•0	mm 45•3	mm 40•8	1003 1003 1003 1003 1003 1003 1003 1003
Duration	hr 28•9	hr 28-2	hr 24.0	hr 27•0	hr 26•2	hr 24·6	hr 32•3	hr 30-8	hr 30•4	hr 28-8	hr 35•0	hr 33•3	hr 28-0	hr 23-0	hr 20-9	hr 25•8	hr 30•8	hr 36-0	hr 33•9	hr 30•3	hr 33•3	hr 29·6	hr 33-6	hr 31•3	hr 706•0

NOTES ON RAINFALL

114. ABERDEEN

1935

Notable Falls of the Year. The only heavy fall of rain was 55 mm. on June 5th -8th; of this, 51 mm. fell on the 5th. Falls exceeding 25 mm. occurred as follows: -26 mm. on April 16th, followed by a further 9 mm. on the 17th; 29 mm. on September 17th of which amount 17 mm. fell in 4 hrs.; 31 mm. in 12 hrs. on the 3rd and 4th October; 25 mm. on November 17th followed by a further 11 mm. on the 18th.

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

Dry Periods.

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

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

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

Wet Periods.

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

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

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

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

JANUARY, 1935

Hour G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	2-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day	mm	ww	mn	mm	mm	mm	mm	ma	man.	mm	mm	mm.	mm.	men	mm	men	mm	mm	mm	mm	mm.	, mm	mm	mm	mm.	hr	mm/hr
2	•4	1-1	• 7	•5	1.3	• 7	•5	•2	()	•••	•••	•••		•••	•••				• • • •	•••	()	(:::)	•1	•4	0•5 5•4	2•0 <u>7•5</u>	3
l ã l		•••	•••				•••	1	•••		• • • •	• • • •		•••	•••			·i			:::		:::		0-1	0-1	3
4	•••	,•••,	•••	•••	()	•9†	()	•••		1.0		•••	•••	•••	•1	•1	•••		()	()					2.1	1.0	15
5	•••	()	•4	•••	•••	•••	•••	•6†	()	•2	()	•••	•••	•2	•••	•••	•••	•••	•••	•5	()	•1	•1†	•••	2•1	1.9	5
6		•2	•4	•3	()	•1	()	•1		-1	•1	•3	•4	•3†	•••	•3				()		-8	•1	•3	3-8	3-2	11
7		•1	•••	• • •		•••	•••		•2	()	1.5	•4	1.0	1.01	(···)	()	•3	•4	()	• 2	()	•3	-4		5-8	4-0	20
8	•••	•••	•••	• • •	•2	1.6+	•4	()	()	()	•5	•5	()	•2	•2			•••	•••	•••	•••		•••		3•6	2•5	13
9 10	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
1 20	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
11		• • •	• • •	• • •			•3	•2	•3	()	•2	•3	-4	()					()					l	1-7	3-6	l
12	•••	•••	:::	• • •	•••	•••	•••	•••	•••	(*)	•••	(*)		•••	• • •		•••		•••	• • •	• • • •	(*)	•1	(*)	•	0-2	
13 14	1 -1	. 2	(*)	•••	•••	(*)	(*)	•••	(*)	•••	•••	•••	••••	(*)	•2	•1	.1	. 2	1 .1	•1	•2	[()	()	•1	1.4	6-8	•••
15	•2	()	•••	•••	•4	••••	•••	•••	•••	•••	•••	•4	•••	•••	•3	•••	()	()	•1	•••	•••	•••	•••	•••	1-4	2-6	4
-		•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • • • • • • • • • • • • • • • • • •	•••	•••	•••	•••	
16	•••	•••	•••	• • •	•••						•3			•••	• • •							• • • •			0-3	0-5	· · · ·
17	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	• • •	• • • •	•••		•••	•••		•••		•••		•••	
18 19	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	• • •		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •
20		•••	•••	•••			•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	1	•••	•••	•••	•••	•••	•••	•••	l ···]	•••	•••
						***	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••		•••		•••	• • • • • • • • • • • • • • • • • • • •
21	•••	•••	•••	• • •	•••	•••	•••				•••	•••		•••	•••			l		•••		!					
22 23	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••			•••	•••	•••	•••	• • •		•••	
23	••••	•••	•••	•••	•••	,	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	:::	:::	•••
25	-5†	•3	•••	•••	•2	(*)	(*)	(*)	(4)	·i	•:1	(34)	(36)	•••	•••	•••	(34)	74%	755	i•i	2-2	0.0	-8		0.3	0.4	
"			•••	•••	•••	(*)	(*)	(4)	(*)	'-	-1	(*)	(*)	•••	•••	•••	(*)	(*)	(*)	1-1	2-2	2.6	-0	•5	8-2	4•6	l '
26	•2	•5	1.0	•1	•5	•2	•3	-9	•2	•1		•2	•2	(*)		(*)	(*)	(*)	-3	-1	-3	(*)	(*)	(*)	5-1	5-3	4
27	(*)	•••	(*)	•••	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	•3	(*)	(*)	(*)	•••		•••	• • • •				0•3	0-3	
28	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••		<i>(…)</i>	•3	()	()	()	-1	•1	•1	()		0-6	2•3	
29 30	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	 ···
1	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	,***	•••		•••	···	•••	•••	
31	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
Sum	1•4	2•4	2•5	0-3	2•6	3•5	1.5	2•1	0.7	1.5	2•7	2•1	2•0	2-0	8•0	8•0	0-4	0.7	0•5	2•1	2•8	3.9	1.8	1.3	42-8	48•3	
Total Dura- tion	hr 2•3	hr 2.0	hr 2•6	hr 1•4	hr 2•5	hr 2•0	hr 2•3.	hr 2•5	hr 1•3	hr 1•1	hr 2•6	hr 2•6	hr 1•3	hr 1•4	hr 1•2	hr 1•9	hr 1•5	hr 1.5	hr 1•4	hr 3•1	hr 2•9	hr 2•5	hr 2•4	hr 1•9	hr 48-8		

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

116. ABERDEEN: $H_r = 24 \cdot 1$ metres + 0.6 metres

FEBRUARY, 1935

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	,mm \	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm _	mm		mm/hr
2			:::	:::	:::	\:::\	•9	•1 •2	•3 •3†	··i'	:::		∵.8		(*)		•2	•3	(*)	(*)	-8		•••		1•3 3•2	2•6 2•9	6
3	:::	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••• .	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
5			•••	•••	• • • • • • • • • • • • • • • • • • • •		•••		:::	•••			:::									i	·i	·i	0.3	0.8	4
6 7 8 9 10 11 12 13	•••	•1	•2	1.8	•1	•••	•••	() 	•••	•••	•••	•••		•3	.1	•••	•••	•••	•••	•••	() ()	() 		•1	0-1 0-1 0-3	0.2 0.2 0.3	3
14 15	·i					:::	•••	··i		2.5	•7	:i 	•7	•3	·i	:::	1.4	•8	•3	::i			•3	1.17	6.0 4.5 3.3	4•5 3•3 5•4	5 4 3
16 17 18 19 20		•2	•2	(,)	()	()	(:::)	•2 •9 ()	3·2†	•4	·5 ··· ·1 ()	•5	•5	•5	•6	•4 •••••••••••••••••••••••••••••••••••	2.14	•3	•••	•••	•••	•••	•••	•••	6.8 4.5 0.6	9·9 ··· 2·3 1·0	5 25 7
21 22 23 24 25	•2	•5	()	()	•••	•••	··· (*)	•••	··· (*)	•••	(*)	•2	,	··· ·1 (*)	(*)	(:) :::	() (*) (*)	() (*)	-8† -1 -1	(*) (*)	() (*)	··· 2 (*)	()	::i :::	1·1 0·3 0·1 0·3	2.0 1.7 0.4 0.4	5 3
26 27 28	::: (:::)	•••	•••	•••	•••	•••	•••	3•1 †	•3	 ()	-1	•7	()	•••	-1	•4	1.4	1.3	1-0 ()	1•5 ()	•6 ()	()	()	()	6•3 4•2	6•4 2•2	25
Sum	0•3	1.0	2•2	1.8	0.9	0.1	1.1	4-6	5-2	3•7	1.4	1.5	2•1	1.7	0.9	0-9	5-2	2•7	2•3	1-6	1-4	0-3	0-4	1-4	44-8	47•8	
Total Dura- tion	hr 0•7	hr 1•5	hr 1•7	hr 1.0	hr 1•2	hr 0•2	hr 1•1	hr 2•9	hr <u>4•5</u>	hr 4•2	hr 2•5	hr 2•0	hr 2•1	hr 2•7	hr 1.6	hr 1•5	hr 3•3	hr 3•7	hr 3•3	hr 1•2	hr 1•1	hr 0•5	hr 0•4	hr 2•7	hr 47•8		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	80-81	21-22	22-£ 3	23-24	0-24		

RAINFALL

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

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

MARCH, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day 1 2 3	a: #	mm 1.4 ()	• 2 • 3	1.6†	mm 2•4	mm -1 -1	**************************************	mm •-7		•••	mm 1.6	mm 1•5	•••• ••2	mm	mana ()	mm ()	***** () •1 •2	**************************************	**************************************		•1 •4 2•6	•5 •1 2•2†	nm 1•8† •5 •4	•2 •7	2•7 9•1 13•4	hr 2•7 9•2 12•3	mm/hr 8 5 11
4 5		•••	•••				•••		••••	•••				••••	-4†	•2				•••		•••		•••	•6	•4	***7
6 7 8 9 10	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••		•••	•••	•••	···	•••		•••	•••
11 12 13 14	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••
15 16 17 18 19	•••	•6		:::	··· ()	()		•••	•••	•••	•••	•••	•••	•••	()	•3	•7	•5	•4	•1	• 2	()	•••	•••	2•2 0•7	5•1 1•5	2
20 21 22 23 24	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•2	··· ()	•••	•••		***	···	() :::	{:::}	••3	()	••5	2.5	2.5	0-4 0-2 5-5	0-4 0-1 2-3	2
25 26 27 28 29 30	•2 •••••••••••••••••••••••••••••••••••	··· ·2 ·4		 1.2	 .8 .1	•4 ()	··· ··· ··· ()	•1		•••	•••	•••	•••	•••	•••	•••	•••	()	()	··· ()	··· () ()	() •4 1•5	··· ·2 ·6 1·6	··· ·· ·· ·· ·6 1·4	0•2 0•3 5•4 10•3	0•4 1•5 9•3 13•5	2
31	-6	•6	()	•••	•••	•••	•••	•••		•••	()	•••	•••	•••	•••	•••	•••			•••		()	· · ·	()	1.2	2•0	•••
Sum	1•9	3•2	2•3	4.0	3•3	0-6	0•5	1.0	0.1	0•5	1.8	1•5	0-2	•••	0•4	8•0	1•8	2•8	2-1	1-4	3•7	5•2	7-6	5•5	52-2	60-7	
Total Dura- tion	hr 4•4	hr 5•0	hr 3•8	hr 3·1	hr 2•7	hr 1•8	hr 1•4	hr 1.6	hr 0•4	hr 0.8	hr 1·1	hr 1.0	hr 0•3	hr 	hr 0•3	hr 2•0	hr 3•1	hr 2•9	hr 2•7	hr 3•2	hr 3•5	hr 3•6	hr <u>6•7</u>	hr 5•1	hr 60•7		

 $[\]dagger$ Hour of occurrence of the maximum rate of fall (5~mm/hr or more)

118. ABERDEEN: $H_r = 24.1$ metres + 0.6 metres

APRIL, 1935

Day	1388	780 °	-	Zijin	mm.	mm	mm	m	7020	1970	1100	7000	322%	7860	7300,	mm	1000	3500	mm	mm	mm	10111	1270	12233	mm	hr	mm/hr
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2 3	-2	(*)	•4	•1 •2	(*)	(*)	(*)	•31	•3	•2 •2		(*)	(*)	()	•••	•5	()	()	-2	•6†	•5	··i	()	-5	3-4	5.1	7
4	-1	(*)			•••		•4	•2	-1	-2	(*)	-51		•€	()	٠ì	3	•7	2-4	()	1.6	•4	1.3	1.0	9•9	7•3	6
5	1-1	•1	()	•4	•2	()	()	•••	•••	•••	•••	••••	•••	•••	•71	•2	•••	•••	•••	•••	•••	•••	•••	•••	2-7	2•€	6
6				-8	•2		•••	()	()	•••	()	-1+				•••				•••					1.1	0-7	6
7	•••)		•••	•••	•••	•••	···.	•••	• • • •	•••	•••	•••	•••	••••	•••	•••		•••	•••	•••	•••	()	-4	0•4 8•6	0•5 6•7	
8	•5	•5	•6	2-01	2.3	1.2	1.2	1.2	•3 1•4	1.3	••2	()	•••		•••	•••	•••		• • • • • • • • • • • • • • • • • • • •	•••	•••		• • • • • • • • • • • • • • • • • • • •		4.0	4.2	2
10			·i	-8	3.0	3.01	1.0	()	()	()	•5	1.6	•8	•1		•••	•••		•••	•••	•••	•••	•••		10.8	7•0	14
11						, ,	()							-1	•9†	•9	•3	()	()	•1	()			 	2.3	1.8	16
12				•••	•••	()	(***)		•••	• • • •						• • • •	•••	`		•••	•••		•••		•••	•••	
13	,···\	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•3	• • • •	•••	•••	0.3	0.2	4
14 15	`::'1		••••	•••	•••	••••	• • •	•••	• • •	•••	•••	•••	•••		• • • • • • • • • • • • • • • • • • • •	•••	•3	()	()	•••	•••		• • • • • • • • • • • • • • • • • • • •	:::	0.3	0.4	2
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18		:::	- :::	•••	•••		()		•7	1.7	1.3	1.3	1.4			• • • •			• • • • • • • • • • • • • • • • • • • •	•••			:::	:::	•••	•••	
19	•••			•••	•••	•••	•••		•••	•••	•••		•••					•••	•••	,•••	•••	,···.	•••	••••		5:0	
20	••••	••••	••••	•••	•••	•••	•••	()	•5	1.0	•3	•1	()	()	()	()	()	•2	-8	()	•1	()	•••	•••	3•0	5•0	3
21	1-41	4	•2	-7	2-9	4-8	•9	•1		•••		l					•••			•••	•••		•••	•••	11-4	5.0	14
22	•••		•••	•••	•••			,···\	••••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	()	()	•2	•5	0·7 4·7	2·0 6·3	2
23	:4	-6	•2	•5	•8	1.0	1.0	()			•••	• • • •	•••	•1		•••	• • • •		•••	•••	• • • •		•••	•••	•••	• • • •	
25	•••			•••	•••	•••	•••	•••		•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
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28	•••	•••		•••	•••	•••	•••	•••	,···,	••••	•••	•••	••••	••••	••••	•••	•••	•••	•••	•••	()	• • • •	,,	·2 ·1	0.2 0.1	0.3	
29 30				•••	•••	•••	•••	•••	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	()	()	•3	()	()		•••	•••		• • • •	•••	•••		()		0.3	0.6	
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Sum	3•7	1•6	1.5	6-0	10.7	<u>11:1</u>	6-9	4•5	5-7	6-6	2-9	5•2	4.1	3-1	4.1	3.1	3-2	2-0	4.7	2•3	4-6	2-9	1.5	3•3	105-3	86 - 3	
Total	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr 1.6	hr	hr		
Dura- tion	3-8	3-0	2-8	hr 6•C	hr 5•5	4-6	hr 4•9	4-0	5-8	hr 5•0	4-8	hr 4•5	hr 3-8	3.7	hr 1•7	hr 2.6	hr 1.8	2-0	4.0	hr 1•9	hr 3•1	2-1	1.6	3.3	86 • 3		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		
													L													<u> </u>	

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

RAINFALL

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

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

MAY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-16	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day	mm	mm	mm	mm	mm.	mm	mm	mm	mm	mm	mm	1060	mm	men	mm	mm	min	79870	mm	750	mm	mane	ma	men.	702F0	hr	mm/hr
1	•••	• • • •	•••	•••	•••	• • • •	•••	•••	•••	• • • •	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••
2	• • • •	:::		:::		:::		• • • •		• • • •	•••	:::		•••	•••		•••	:::		•••					• • • • •		:::
4	:::	:::	1	:::	:::			•••					•••	•••	•••			1									:::
5	•••	•••	•••		•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	••••
6								•••		•••				•••			• • •			•••.							
7	••••	•••				• • • •		• • •	•••	•••	• • •	••• 1	•••	• • • .	•••	•••	•••	•••	• • • •	• • •	• • • •	•••	•••	•••	•••	•••	
8	•••	•••	•••	• • • •	•••		•••	• • •	•••	• • •	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••
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10	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	
11	•••	•••	•••	•••	•••	•••	,···,	•••	733	•••	•••	2::	•••	<i>;</i> ;;	•••	,	<i>,•••</i> 、	•••	•••	•••	•••	••••	,···、	•••	:::		.::
12	•••	•••	•••	•••	•••	•••	()	•1	(Δ)	•••	,···、	(<u>A</u>)	1::	(∆) 2•4	2•5	()	()	•1	•21	•1	•••	··i	()	•••	0•5 11•5	0•4 7•3	(3)
13 14	•••	•••	•••	•••		•1	(")	•••	\'	•1	()	•4	1-4	2-4		2•4	1.6	•4	•••	• • • •			•2		0.2	0.2	13/3
15		•••	• • • •	•••			()	•••		2-0+	1.2	•6	•2	()	1.0	•1	•3	•5	•4	()	:::				.6•3	6.3	5
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16	•••	•••	•••	•••	;; ;	(* ▲)	•2	•2 (*)	(* △)	• • • •	<i>,</i> ···、	·::	1.21	3.3	• • •	(*)	•9	1.1	(*)	(*) 1.0	(*)	·i	i·i	•••	2•4 9•6	2.2	1 3
17 18	•3	i.i	1.3	1.5	(*)	•1	•2 •1	·4	•8 •3	•9 •4†	()	-		1.1	•4	.,	•9	•2	_	1-0		•••	101		9-3	8·1 5·9	19 19
19				1	1	ا ا		•••				:::		•••	• • • •	:::	• • • •	•2	•4	()	l i	:::			0-7	1.0	2
20		•••					•••	•••		•••			•••	•••	•••	•••	•••	••••	•••	•••		•••	•••	•••	•••	••••	
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27	/ ∷: ∖	;::	,:::\	/ <u>::</u> :.	:::			•••	•••	•••	• • •	•••	••••	•••	•••	•••	•••	•••	(≡ŧ)	(≡ŧ)	(≡ŧ)	(三)	(≥;)	(三部)		•••	• • • •
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31								• • • •							•••					•••			•••				
					-						-																
Sum	0•3	1.5	1.3	1.5	3•0	1.1	0•5	0•7	1.2	3-4	1.5	1.1	2•8	3•5	3-9	3•2	3-7	2•5	1.1	1.1	0.8	0.2	1.3	•••	40•6	32•0	l
Total Dura-	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		
tion	0-2	1.0	0-7	0•5	1.0	1.2	1.1	0.7	2•0	2-2	1.0	2.2	2-4	2.0	2-1	1.7	3.5	3•0	1.1	0•5	0.8	0-4	0.7	•••	32.0		<u> </u>

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

120. ABERDEEN: Hr = 24.1 metres + 0.6 metres

JUNE, 1935

																		,		,				,			
Day	mm	1920	mm	mm.	mm	mm '	.mm	mm	2000	men	78th	mm	1000	10000	mm	mm	1000	, mm	-	749	200A		-	1920		hr	m/hr
1	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••
2 3	••••	•••	•••	·:i	•5	•6	•9	2-81	•2	<i>\'''\</i>	,···\	/***	/···\	1	·i	1,	····	····	1000	\···\	•2	····	(")	• • • • •	5•4	5.5	7
4		•••	•••				1		- 2	()	()	()	()	()		\`	(:;	•4	12:::3	123	()	•2	(***)	1.71	2.9	2-7	ة ا
5	()	()	-6	•5	1.0	2.2	4.8	1.5	1-41	1.5	2.0	2.2	7.7	i·i	1.8	6.5	2.3	3-6	3.5	. 5	3.1	3.5	5-0	1.9	51.2	21.0	18
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6	1.8	1.2	٠2	•7	1.4+	•6	•2	•2	()		•••	•••	••••	,•••,				.1	()	-2	•1	-2	-6	-2	7-7	12-1	5
7	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	-6	•5†	()	. •2	ļ (· · · ·)	-8	•2	•••	•••	•••	•••	•••	•••	2•3	2.2	12
8 9	••••	•••	•••	•••	•••	•••	•••	•••	. • • •	•••	•••	•••	•••	•1	(•••)	()	•••	•••	•••	•••	•••	•••	•••	••••	0.1	0-2	2
10		• • • •			• • • •	()	()	()	()	•••	()	()	·i	()	()	i	-8	1.4	2.81	i.0	9	()			7-1	4-9	7
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12	•••	•••	•••	•••	•••	•••	•••	•••	()	•6	•2	()	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	0-8	1.1] 3
13	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	1.01	•••	•••	•••	2-0	2•3	1.1	•1	-1	• • • •	•••	•••	6•6	1.8	21
14 15	•••	•••	•••	•••	•5	•2	•3	•7	•2	\···\	•6	•4	••••	····	/···\	•••	/···\	•••	/**	•••	-8	-41	•••	•••	4.1	5-6	'';
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16]				 						•••				()	7-91	()	()	()	(:)	1.2	-4	1.3	•4	11-2	3-4	40
17 (()	•••	•••	•••	•••		•••	•••	•••	• • •	***	•••	•1	•••	()	()		•1		•••			•••	•••	0-2	0-2	
18	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••
19	•••	•••	•••	,••• 、	•••	,	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	()	•5	-2	•2	0.8	2•8 5•8	3
20	••••	•••	•••	()	•1	()	•9	•3	•2	•6	•3	•2	•••	•••	•••	•••	•••	•••	•••	•••	•••	1 ***	•••	•••	2-6	3-0	l °
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22			•••	•••				•••	•••	•••	•••			•••						•••			•••	•••	•••	•••	
23	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••			•••	•••	•••	•••	•••	•••	. • • •	•••	•••	•••
24	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••			•••	•••	•••		/ ** *	ا. ::: ،ا	•••	•••	•••
25	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	(≢;)	(≡ŧ)	(≡€)	•••	•••	l ····
26	(≡i)	(≡ŧ)	(≡ i)	•1	-2	(≡i)	(≡i)							()	-6	•1	-5.	()	()	()					1.5	3-6	. 2
27	`'	`:	`			`	`'		•••	•••	•••	:::	:::					 ` ′	\`'	`'						•••	
28	•1	•2	•3	•1		•••	•••	•••	•••	•••	•••			•••						•••	,				0-7	1.7	(1)
29	•••	•••	•••	•••	•••	• • • •		•••	•••	•••	•••		 	•••		•••		•••	•••	•••		•••	•••	••••	•••	•••	··· <u>·</u>
30	•••	•••	•••	•••	•••	•••	()	•4	•5	•1	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	1-0	2•0	3
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Sum	1.9	1.4	1.1	1•5	3.7	3•6	7-1	5•9	2•5	2-8	3•1	3-4	2-4	1.2	2-7	14-6	6-4	8-3	7-6	2-4	6.5	5-2	7.7	4.4	107-4	78-6	
																	Ľ.	L					<u> </u>				<u> </u>
Total Dura-	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr 3•4	hr	i .	l
Dura- tion	1.2	1.6	1.9	3•3	3.8	3•2	5•0	<u>5•8</u>	3-9	3•0	3•4	2.7	8.0	1.5	2-5	2.5	3-6	3.8	2-8	3•5	5.1	4-4	4-8	3•4	78•6		l
Hour			T	I								l			-							·					
G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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		
	<u> </u>	Щ.	<u> </u>	L	L	L	لـــــا	L							<u> </u>		<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>				

RAINFALL

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

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

JULY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day 1	37888	2000	Min.	 (≡ i)	(≡ŧ)	=== (≡i)	m (≡i)	mm. (≡ŧ)	.mm. (≌i)	mm •1	mm •3	()	mm ••••	mm •••	mm •4	mm •8	mm ()	mm •1 2•0	mm •5	.3 mm	mm 1.1+	mma ••••	mm	mm •••	mm 1•3 5•6	hr 2•? 3•0	mm/hr 2 35
3	• • •	•••	•••	•••	()	1.1	•£.	•••		•••	•••		•••	•••	•••		•1	-8	2.1	1.37	•••	•••		•••	4-3	3•3	7
5	•••	•••	•••	:::	:::	•••	()	•••	•••	•••	•••	()	•1	()	•:2	()	1•3t	3.	•6	()	•••	•••	:::	•••	2•4	1.3	27
6 7	•••	•••					•••	•2	•4	•2	()	()	()	•••						•••		•••	•••		0•8	1.2	4
8	•••	•••			•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
9 10	•••	•••		•••		•••	•••	()	()	•••	•••			•••	7	•7	1.0	1.6+	•6	·i	()	•••		•••	4-9	4.8	6
11 12						•••	•••	•••		•••	•••			•••			•••	•••		•••	 	•••		, ,	•••		•••
13 14 15	•••	•6	1.91	•5	2.6	·i	()	·i	()	∵i	•3	•••		•••		•••	•••	•••	•••	•••	()	()	•2	()	0-2 6-2	0·3 4·9	8
16		•••				•••	•••	•••		•••	•••		•1	-71	()	()	()	•••		•••	•••	•••			8•0	0-4	7
17 18	•••	•••	•••	•••	:::	•••	•••	•••	•••	•••	1·1 ·2	4·0 ()	6•4† 1•6	1.5		1.41	•••	2•5 •8	•••	1.9	•6	•••	•••		17 <u>·1</u> 6·1	2·5 3·0	125 23
19 20	4-71	1.9	•3	•••		•••	•••	•••	:::	•••	•••	•••	•••	•••		•••	··i	•••	•••	•2	•6	•••	1.2	3-11	5•1 7•0	2•4 1•5	15 30
21 22	•••	•••	•••				•••			•••	•••			•••		•••	•••	•••		•••		•••		•••		•••	•••
23	•••	•••	•••		•••	4	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•7†	•1	•2	•2	•••	•••	1.5	1.5	18
24 25	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		·i	()	•••		•••	•••	•••	•3	()	0-4	8•0	i
26 27	() 1•2 1	1.9	•:-	•6	•4	•••	•••	•••		i i	•-7	•••	i.i+	1.8	•••	•••	•••	•••	•••	•••	•••	•••		•••	9-5	6·8 0·1	
28	•••	•••	•••			•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	()	•1	•••	•••	•••	•••	••••	•••	0-1	0•1 0•8	3 8
29 30	•••	•••			•1	•••	•••	:::	•••	•••	•••	•••	•••	•1		•••	•4†		•••		:::	•••			•••	•••	
31	•••	•••	•••		•••	•••		•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••			
Sum	5-9	4-4	2-9	1.3	3.1	1-2	0-2	0•3	0-4	1.5	2-6	4.0	<u>9-3</u>	4-9	1.4	3•0	2•9	8•3	4-5	4•3	2•5	0-2	1•7	3•1	73•9	41•3	
Total Dura- tion	hr 1•3	hr 1.8	hr 2-2	hr 2•4	hr 1•4	hr 1•5	hr 0-8	hr 0•3	hr 0•7	hr 1•6	hr 2•1	hr 0•3	hr 2•5	hr 2•3	hr 1.1	hr 1-9	hr 1•7	hr 3•8	hr 3•8	hr 2•9	hr 1•5	hr 0•6	hr 1•7	hr 1.0	hr 41•3		

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

122. ABERDREN: H_r = 24·1 metres + 0·6 metres

AUGUST, 1935

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Day	1000	7000	1800	100	1000	2000		2002	1000 H	1880	mm.	22000	mm	mm.	10070.	XDD1	23000 I	mm	mm	mm	man	mm	mm	mra .	mm.	hr	mm/hr
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2	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	• • •	•••			•••	•••		•••	• • •		•••	•••	• • • •		• • • •	•••
3		•••		•••		•••	•••	•••	•••	•••	• • • •			•••	• • • •	•••	•••	•••	•••	• • • •	•••	• • • •	•••	•••	••••	•••	
4		•••		•••		•••	•••	•••		•••			•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	• • • •	1
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7	•••	•••			l							l		I		•••				•••			•••		l ∣		1
8	•••											•••			•3	1.2	8-61	3-5	•3	 	l				13-9	3-2	53
9.	•••	•••		•••		•••	•••	•••			•••	•••	•••				-31	-6		٠					0.9	0.3	24
10		•1	1 :	•••		•••															l i				0.1	0-3	I
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11					ا ا		()	()	5-3+	()								-5	-2		-1	١			6-1	2-1	32
12			***							````				1				7		•••				•••		•••	l l
13	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••		•••	l	•••		•••							
14	• • •	•••	•••	• • •	• • • •	•••	•••	•••	•••	•••	•••	•••	•••				•••	:::			:::	:::	:::				
15	•••	•••	•••	•••	•••	•••		•••		•••	•••	•••	•••	1			l .	()	()	•3	·1	-5	()		0.9	1.3	3
"	•••	•••	•••	•••	l l	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		,,,,,	l` ,	l	-	l	````	***		l	
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19	•••	•••	•••	•2				•••		•••	•••	•••		1			:::	:::	:::	()	()		()		0.2	0-2	2
20	• •		•••					•••				•••	• • •	•••			:::	:::				`′					
~	•••	•••		•••	1 ***		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	١ ٠٠٠			1		***	***			• • • • • • • • • • • • • • • • • • • •	'''
21							ا ا				١				1.61	l									1-6	0-4	27
22																									l		l
23							•••																				
24			:::	·i	l :::								l :::				:::					()			0-1	0.2	•••
25	•••	·1	:::	.													:::				•••	` ′			0.1	0-3	
_		-	***	•••		***	***			•••	, , , ,	•••	•••	***			***	***	***	1	1	***	1				
26						l	l		•3		l							<i>-</i>			1.8	3-0	2-81	2-3	20-2	4.0	5
27	2-71	i i	()	()	·1	•2	-2	()	()	•••	()	()	•••	()	•1	2	()		()		•••		•••		3.6	3•3	l n l
28		.		\` '				`		•••	`	,	:::	`		()	123	123	•5	2.2	2-61	2-3	2.8	3-7			9
29	1-91	"-4	-2	:::		()	()	()		•••						`		`			()	•2	•7	•2	14•1 3•6	5•3 4•8	6
30	-8	lz īs i	•ī	1.21	•2	•5	•4	•1	()	()	·i	•1	•3	/ \			1	1			()	•i			3-9	4.5	8
		()	-		_	"	•	-	····/	```	-		- 3	()	•••	•••	•••		•••		(, , , ,	-				· ·	
31	-1	•1	-1	()	()	()	()	•••	•••	(+7)†		•••	•••	•••	•••			••••	•••	•••	•••	•••	•••	•••	1-0	0•7	9
-	E . E	000	0.4	3.5	0.2	0.7	0.0	0-1	E-0	0.7	0-3	0-1	0-2		2.0	1.4		1	1.0	2-5	4-6	6-1	6.3	6-3	60-4	31.0	
Sum	5•5	0-8	0-4	1.5	0.3	0-7	0•6	0•1	5-6	0-7	0-1	0-1	0-3	•••	2.0	1-4	8-9	4.6	1-0	2-3	4-0	0-1	0.3	0-3	00-4	32.0	
Total	hr 2•3	hr 1-8	hr	hr 1•4	hr 0•5	hr 1•3	hr 1.7	hr 0-3	hr 1•3	hr	hr	hr 0•3	hr	hr	hr	hr	hr 1.1	hr 1•6	hr 1•1	hr 1•2	hr 2•1	hr 3.7	hr	hr 2•7	hr	l	1
Total Dura- tion	2•3	1-8	0-8	1.4	0-5	1.3	1.7	0-3	1.3	0-4	0.4	0-3	0•3	•••	0-8	0-8	1.1	1.6	1.1	1.2	2.1	3.7	3.1	2.7	31-0		
Hour		1			1									20.21		1- 10	20.3-	30.30	30 30	30.00	00 03	01 00	22 22	23-24	0-24	1	1
G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-TO	10-11	11-12	HX-13	13-14	14-15	12-18	115-17	17-18	12-13	19-20	KU-KL	21-22	EE-23	~3-~4	U-24	1	1
	L	L	L	L		<u> </u>	-								<u> </u>	L		<u> </u>					1	<u></u>	<u> </u>		

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

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time
123. ABERDEEN: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 24·1 metres + 0·6 metres

SEPTEMBER, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-34	Max. Rete
Day 1 2 3	· 7	5•9	mm 2•8†	mm •3	mm - 2	(); EE	7•8	1.7	•2	mm	mm	mm	mm	mm	mm	mm.	INCO.	**************************************	•1 ()	•1 •9	**************************************	() •4	mm -1 -4	mma ()	0•4 22•1	hr 1•1 8•2	mm/hr 1 77
4 5	•6	•••	•••	•••	•••	•••	•••	•••	•••	•3	•••	•••	•••	•2 •3†	•8	•3	•2	•••		•••	•••	•••	•••	•••	1.8 0.9	2•5 0•5	3 8
6 7 8 9	•••	•••	•••	•••	•••	· · ·	•••	•1	·()	•1	•1	•••	•••	()	•••	•••	•••		•••	•••	•••	•••	•••	•••	0·2 0·1	0·2 0·1	•••
10 11	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	()	•1	•1	-5	•3	()	•••	•••	•••	•••	1-0	2•0	4
12 13 14 15	•••	•••		•3 •2	•••	() 	() 	3•0t	() ::i	•1	•8 •••	•3	•2	•••	•••	() :::	•••	•••	•••	()	•3	•••	•••	•••	1.5 0.3 3.3 0.5	2•7 0•3 1•0 2•2	4 2 37
16 17 18 19 20	2·0 1·0	5•1 1•5	7·8† 1·1	2·1 1·4†	3.3	·: ·1 ·:	() :::	•••	•••	•••	() :::	2.7	4·8 ()	•8	() ()	•••	•••	•••	•••	··· ·1 ···	•••	()	()	1.7	28·8 1·7 5·3	7•9 1•0 4•9	29 3 10
21 22 23	•••	•••			•9†	··· •4 (···)	•5	1·5 ()	2.9	1.5	1.2	3.1	-9	··· ·2 ()	()	 :i ()	()	() •7†	•3	··· ·i	•2	()	•••	•••	13•8 0•9	11·0 0·7	22 12
24 25	•••		•••	•4	•2	()	()	•••	•••	•1	2-11	•••	()	•••	•••	•••			()	•2	()	•••		•••	3•0	2.0	63
26 27 28 29 30	•2	•8†	•1	···· (····)	•••		•••	•••	() :::	•1	•4	2·5†	1.6	() 1·1 ·:	() •9 •1	······································	•2	()	()	5-1†	2.9	•8	·1 ()	·2 ()	12.6 0.8 7.2 0.1 1.4	5.9 1.4 6.9 0.6 2.4	12 5 9
Sum	5•0	13•4	11•8	4•7	4•8	0-6	8•5	6•3	3•2	2•2	4.7	8•8	7•8	2•7	1•8	0•9	0•5	2•3	3•2	6•5	4•2	1•3	0•6	1.9	107-7	65•3	
Total Dura- tion	hr 4•1	hr 4•0	hr .	hr 3•6	hr 2•7	hr 0•8	hr 1•7	hr 2•9	hr 1•3	hr 2•2	hr 3•7	hr <u>4•3</u>	hr 4•0	hr 3•1	hr 2•1	hr 2•5	hr 1•5	hr 2•8	hr 2•5	hr 3•6	hr 3•7	hr 2•6	hr 1•4	hr 1•5	hr 65• 5		

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

124. ABERDEEN: $H_r = 24 \cdot 1$ metres + $0 \cdot 6$ metres

OCTOBER, 1935

Day	mm ·	mm	mm	mm	mm	mm	mm	mm.	mm	mm	mm	mm	mm	mm	mm	mm	min	mm	mm	men	mm	mm	mm	mm	mm	hr	mn/hr
2	•••	•••	•••	•••	•••	•1	•••	•••	•••	•••	•••	•••	••••	•••		,	•••	•••	•••	•••		•••			0.1	0•2	••••
3	:::	l ::: i			:::			()					·i	• • • •		3-1+	•4	i-i	1.9	•9	•6	1.3	1.4	3-0	14.7	10.0	35
4	2.3	1.8	6-2	•8			1.5	. 2	()		:::									°	2-2+	-i	-6	-i	<u> 16•4</u>	5•7	40
5	•••	•••	•••	•••	•6†	•••	•••	•1	•2	•3	•6	•1	•1	•••	•••		•••	• • • •	• • • •	•••	•••	•••		•••	2.0	3•8	7
6				-5	1.2	-1	•6	•5	•1	•1	•1		•2+			 			 						3•4	4.3	8
7	•••					(1-1)		•••													1	1	-6		0.6	0-6	з
8 9	•••	•••	•••	•••	•••	1.4	• 7	•••	•1	•••	•••	•••	,···、	,···、	• • • •	.5†				•••		•••	•••		2.7	2.5	13
10	•2					•••	***	•••	•••	• • • •	• • •	•••	()	()	• • • •	• • • •	•••	•••	•••	•••				•1	0.1	0·1 0·2	1 3
1	"				***		***	•••		•••	•••	•••		•••	•••				•••	•••			•••			0~	١
11 12	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •		• • • •	•••	• • • •	•••	•••	•••	•••	•••]]
13		:::		• • • •			•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	l	•••	
14	•••			•••				• • • •				• • • •	:::	•••													
15	•••	•••	•••	•••	•••	•3	•7	•5	•5	•9	1.9+	1.0	•1	•••	•••	•••	•••				•••	•••	•••	•••	6•0	6•6	5
16	l	 		()				•21	•1										١		Ì	l			0.3	0.3	6
17	•••		•••					•••		1.2		•••		•••	•••	:::							1.7+		2.9	1.0	19
18	•••	•••	•••	•••	•••	,···、	• • • •	,···	,	•••	•••	•••	-8	•••	•••	•••	•1	()	•3	•••	-6†	•1	•••	•••	1.9	1.5	17
19 20		-3†		•••	•••	()	····	····	()	, •4	•9	1•6 •6	•2	• • • • • •	•1	•9†	•9	•8	1.8	1.4	1.1	•1	-6	•3	11·1 2·3	6.9 1.3	20 11
		"	• • • • • • • • • • • • • • • • • • • •	•••	•••	•••	()	()	•••	()	·4	-6	٠- ١	-4		•••	•••	•••	•••	•3	•••	•••	•••	•••	1 • • • • • • • • • • • • • • • • • • •	1-0	"
21	• • •	•••	•••	•2	•••	•••		•••	•••	•••	•••	•••		•••	•••	•••	-9	•2	-81	•••				•••	2.1	1.4	8
22 23		•••	•••	•••		(a)	•••	•••	•••	•••	•••	•••	• • • •	•••	• • •	•••	•••	•••) •••	•••	•••	•••	····	·:i	öi	0.3	•••
24	•3	•3	·i	()		•3	•4	•2	•2	• • •	·i	•2	·i	•••	• • • •	:::	***	•3		• • • •			('··i'	•2	2.8	10.0	***
25	•1	•2	••••	•••	•••	•1	•5	•1	()	()	•••	()		•••			•••		•••	•••	•••			•••	1.0	3•2	2
26			l				•6	•1								-5†		•				ĺ			1-2	1.1	20
27	•••								•2	•2	··i	•3	•4	•4	-8	-8	• 7	•5+	1.4	·i			:::		5-9	10.9	5
28	•••,	•••		•••	•••	•••		•••			•••	•••	•••		•••				•••	•••						•••	•••
29 30		:::	•••	•••	•••	•••	•••	•••	•••	•••	•3†	•••	1.44	•2	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	0.5	0.3	5
		•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	1-41	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	***	1.4	0.2	65
31	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••
Sum	3•5	2-6	6.3	1.5	1.3	2•3	5•0	2•0	1.4	3•1	4-4	3•8	3•6	1.0	1•9	5•8	3•0	2•9	6•2	2-7	4•5	1.6	5•0	3•8	79•7	73•5	
Total Dura-	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		
tion	2•5	2-6	1.4	1•6	1-4	3•5	<u>5•7</u>	4.6	3-8	3.3	5-4	4•6	3•6	1•3	2-1	2•8	3•0	3•4	3•6	3•0	2•3	1.5	3-2		7 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	12-13	13-14	14-15	15-18	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		
U.E.T								,		5-20				-0-43	_1-20												

RAINFALL

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time
125. ABERDEEN: H_T (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_T (height of receiving surface above ground) = 24·1 metres + 0·6 metres

NOVEMBER, 1935

									, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,														,	·			
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-18	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day	nen.	mm	mim	1000	mm	mm	mm	mon	men .	pagen.	120201	Maro.	mm	mm	mza	mm	mm	man	mm	mm	mm	כות	mm	mm	mra	hr	may hr
1	•••	•••	•••	•••	•••	,···,	•••	•••	•••	•••	•••	•••	••••	•1	•2	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	0-3	0.5	2
2 3	•••		• • • •		:::	()	•••	• • • •	:::	• • • • •	•••	•••		()	•2	•••	()		:::	•••	• • • •		:::		0.2	0.3	3
4	•••		•5	()			()	•2	•4	•1	•7†	•9	1.0	2•1	1.5	•1	•5	1.6	•5	1.2	1•3	1•3	1.3	•9	16•1	14.3	10
5	•••	•••	•••	•••	•••	•••	•••	(•1)	(≊;)	•••	•••	• • • •	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	••••	•1	•6†	0-8	0•6	19
6	•••			•2																					0.2	0.1	3
7	•••		• • • •	• • • •	•••		•1	•2	1 -1	•••	•••	••••	,···、	•••	()	• • • •	•••	•••	• • • •	••••	•••	•••	•••	• • • •	0-4	0.8	1
8	• • • •	••••		•••	•••	8•	•4	•••	1.0	•••	•71	1.1	()	•••	•••	•••	•3	••••	1.81	i.e	•4	··i	3.1	2.7	1.6 12.7	0•7 5•8	17 17
10	• • • • • • • • • • • • • • • • • • • •	:::	:::		:::		•••	•••	•5	2.0			•1	•1	:::			()	-2	·i	1.2	1.81	1.5	•1	7-6	3.5	62
ا ا					}			/•\	١, ,																١, , ا	٠.	١,,
11 12	•••	• • • • • • • • • • • • • • • • • • • •		• • • •	• • • • • •	1.01	•1	(=i) 1-1+	(•1)	•••	• • • •			• • • •				•••	• • • •		• • • •		• • • •	• • • •	1·2 3·4	0•5 4•4	12 5
13	•••		:::					•••		•••																	
14	•••	•••	•••	•••	•1	•••	•••	•••	•••	.8	3.91	6	•2	•••	•••	•••		••••	•••	•••	•••	• • • •	•••	•••	5-6	2.2	끄
15	• • •	•.••	•••	•••	•••	•••	•••	•••	•1	1.2	2.1	1.21	•3		•••	•••	•••	•••	•2	••••	•••	•••	•••	•••	5•1	3•8	7
16	•••				•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••				•••	· · · · ·	•••	•••	•••		•••
17 18	1.5	2.3	2.0	;;;	•••	•••	•••	•••	,	1.0	1.3	2.2	2•7† •3	2.1	2.8	2.8	2.9	1.5	•5	•••	•4 •3†	1.8	2.1	2.3	25•4 11•4	12·1 9·7	26 15
19	1.5	2.3	2.0	1.1	•1		•••	• • •	{:::}	1.0							()	(·i)		•••	*31		•••		1.1	0.5	•••
20	•••		•••		•••	•••	•••	•••	•1	•1	•••	•••		•••	•21	•••		`		•••		•••	•••	•••	0•4	0•5	9
21	•2	-1				•2	•1		-5	•1			(-1)	-1	 	 		l	1.0	•7†	-1			•5	3•7	2.8	41
22	• • • •							•••		•2		.3	`'	•••	:::			•2	•3	-1	•3		1-7+	•6	3-7	2.6	16
23	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••		•••	••••	•••	••••	••••	• • • •	•••	••••	•••	•••
24 25	•••	•••	•••	•••	•••	•••	***	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	••••	•••	•••	•••	•••	•••	• • • •	•••	• • •	
~	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	'''	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •
26	•••	•••	• • • •	•••	•••	•••	•••	•••		•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••
27 28	1.0	i·i	2-2	1.9	**71	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	6.9	3.9	14
29	1.0	1	2-2	1.00			•••			•••	-21		:::	•••			:::	:::		•••			• • • • • • • • • • • • • • • • • • • •	•1	0-3	0-5	8
30	•••		•••	•••	•••	•••	•••	•••		•••		•••		•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	1
							!	'																			
Sum	4.0	3•5	4.7	3.2	1.6	2-4	1.4	1.6	3-4	5•5	9-8	6•6	4-7	4.7	5•2	3•2	3•7	3•4	4.5	3•9	4.0	5•1	9-5	8•5	108•1	70-1	
	L																										
Total Durs- tion	hr 2•6	hr 2•2	hr 2•3	hr 2·1	hr 1.6	hr 1.8	hr 2•0	hr 2•1	hr 3•2	hr 3•6	hr 4•6	hr 4•7	hr 3•3	hr 2•9	hr 3•0	hr 1•9	hr 1-5	hr 2•2	hr 3•5	hr 2•3	hr 3•5	hr 3•0	hr 4•7	hr 5•5	hr 70•1		

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

126. ABERDEEN: Hr = 24.1 metres + 0.6 metres

DECEMBER, 1935

120			3M. 1J		m	e 01 e 5																					
Day 1	TESSA.	mm.	JIMA .	WANTA	THEN.	THEFAL	1010	mm	TRACE.	1000	mm.	mm	man.	mm	mm	302M	mm	TOPOT	1980 • • • •	7000 • • • •	7961	3000	mm	mm	mm · · ·	hr	ma/hr
2 3	•••	•••	•••	•••	•••	:::	•2	1.5+	•5	• • • •		:::	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••		2•6	2.3	
4 5	:::	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••
6 7 8 9 10	•6	 •6 •1	 •1 •1	•••	•••		··· •1†	•••	•••	•••	•••	•••	•••	£:::3	•••	£:::3	•••	•••	•••	•8	•2	•1	•••	•••	1.0 1.3 0.4 0.1	1.0 1.7 0.5	6
11 12 13 14 15	•••	•••	•••	•3	•3	() 1-3†	•1	()	•••	() ::: (*)	···2 ··· 1··1	•2 ••• •••	··2 ··· (*)	•••	•••	•3	•3	•4	::: ::i		::: (:::)	 •1 •1	•2	::: ::: ::1	1.3 0.3 1.2 3.4	4•3 0•8 3•2 3•5	•1 •1 ••5
16 17 18 19 20	2.0 (<u>)</u>	::3::	·1 ··· 1··£	• 7	1.4	•5† •1	•3 •6 •1	·1 ··5 (山) ·6†	(*) .1 .6	(*) (≡) •6	•7	·1 ·1 ··· 1·5	•••	•4 •1 •2	·2 ··· 1·5	•6	•5 ••• ••1	·2 ··· 1·5	·£ ()	··· •1 •9	·1 ··· ··· 1·2	.8 1.0	(<u>(</u>) 2 8	 •i	6.3 0.4 1.8 0.4 15.1	6.2 1.1 1.2 0.3 8.2	4 5 1 9
21 22 23 24 25	 (≟) 3	… … (山) ·1	•••	•••	•••	·1	•3	•4	(*)	(*)	(*)	 1.6	(*)	2.8	··· ·1 ··· 3·0	•6 ••6	·:3 ···7	···; ···; ()	*8	•5	•4	•6	 (山) •6	:: * ::	4·9 2·4 13·6	6.6 3.6 8.1	(3)
26 27 28 29 30	 •1	•••	•••	•••	•••	•3 ••• •4	·2 1·1	•6	1•3	1.2	•••	•••	•••	•••	•••	1.2	1.9	2•0 (=!)	2•7 (≡!)	1.9 (≡ !)	-8 (≣	1·3 (⊆ i)	::: (≡i)	::: (≡ 1)	12.3	7·1 3·9	···· ··· ··· 4
31	•••	•••	•••	•••	•2	•1	(≡i)	•••	•••	••••	•••	•••	•••	•••	•••	•3	•9	1.0	1•8	1.4	•6	1.0	•1	•••	7•4	6•8	4
Sum	3•6	0-9	1•5	1.0	1.9	2•8	3•4	3•7	3•0	1•8	3•0	4-0	2.8	4.3	4.9	4•€	4.7	5•8	. <u>5•9</u>	5•6	3•3	5•0	2.0	1.4	80•9	70・4	
Total Dura- tion	hr 2•9	hr 1•6	hr 0-9	hr 0•€	hr 1-8	hr 2•7	hr 4•6	hr 3•1	hr 2•2	hr 0•8	hr 3•4	hr 4•1	hr 2•4	hr 2•4	hr 2•2	hr 3•7	hr 5•2	hr 5•2	hr 4•1	hr 3•9	hr 3•7	hr 4•5	hr 2•9	hr 1•5	hr 70•4		
Hour G.M.I.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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		

127. ABERDEEN: h_S (height of recorder above ground) = 20.7 metres

JANUARY, 1935

																			Total	Per cent
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	for Day	of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	8
n i								-1	9	•5	•••		•••			••			1.5	22
2	==					•••		l			•2	•1				'			0-3	4
3						•••				•••		-4							0-4	6
4						•••		•1	•1		•1								0•3	4
5						•••	•••		•1	.1	•1	•••	•••						0•3	4
6			l			•••	.1	•3	•3	•1						2-			Ö-8	12
7						• • •			•••	•••	•••	•••	•••						•••	• • • •
8						• • •					•••	•1	•••						0-1	1
9						•••					•••	•••	•••						•••	•••
10						•••	• • • •	•••	•••	•••	•••	•••	•••						•••	•••
11	l		l			•••					•1								0-1	1
12						•••	•5	1.0	.9	1.0	-8	1.0							5•2	<u>73</u>
13						•••	•••					•••	•••						•••	
14						•••	•••	•1	•••	•1	•••	••••	•••						0+2	3
15						•••	•5	-8	•3	•1	•1	-2	•••						2-0	27
16						•••	 		.1	•1	•5	-8					ein		1.5	21
17						•••	•••	•••					•••						•••	
18						•••		•••	•••		•••	•••							•••	
19											•••								• • •	•••
20						•••		•••	•••		• • •	•••	•••						•••	•••
21	۱					•••	.1		•2	-8	1.0	-4							2-5	33
22							l	1			•••	•3	•1	l	l				0-4	5
23							•1		•3	•9	•3	•••	•••						1.6	21
24								-8	-8		•••	•••	•••						1-6	21
25						·i	•6	1.0	•9	1.0	-6	•9	•5						5-6	71
26	l						-1	•2	•3	-4	•5	•1							1-6	20
27	==					•3	•9	. ∙ €	.9	1.0	•3	•7	•1						4-8	60
28	::]						l		•••		· ˈ						•••	
29	::			==			-2	1		•5	•••			١					0-7	9
30	==					•••		:::			•••		•••	•••					•••	
31						•3	1.0	1.0	1.0	1.0	1.0	•7	•••				-,-		6-0	72
Sum						•7	4.1	6•0	7-1	7:6	5•6	5-7	•7	•••					37•5	••
Mean						•02	-13	-19	-23	<u>•25</u>	-18	•18	-02	•••					1-21	16
f																				

128.	ABERDE	En: 1	n _s = 20	0•7 me	tres														FEBRUARY,	, 1935
Day 1 2 3 4 5	hr	hr	hr	hr	hr	hr 	hr •9 •3 1•0	hr 1.0 .9 1.0	hr •6 •6 1•0	hr •1 •2 •5	hr •2 •2 •8	hr •3 •3	hr •2 ••	hr	hr	hr	hr	hr 	hr 1-2 3-4 0-7 2-3 5-5	% 14 40 8 27 64
6 7 8 9 10					•••	·1 ·1 ···	·3 ·4	·1 ··· 1·0	 .3 .7 1.0	•5 •9 1•0	·3 1·0 ·4	•6	•4	•••		::			1.3 0.7 3.6 3.8 0.1	15 8 41 43 1
11 12 13 14 15					•••	•4 •3 •••	•8	·3 ·1 ·3	··1 ·6 ·5	 .8 .7	•1 •6	··· ·1 ·1 1·0	•1 •4 •••	•••		: : : :	::	::	1.8 2.4 3.1	20 26 33
16 17 18 19 20	=======================================				•••	•••	•••	:1	•6	·8 ·7	1.0	• 5 • 5 • 2	•••			 	::	::	2·8 3·7 0·6	29 38 6
21 22 23 24 25					•1 •1 •6 •1	•3 1•0 •4 1•0 1•0	1.0 1.0 .5	1.0 -6 -9	1.0 .6 .8	•9 •9 •5 1•0	•5 •9	•4	•2	•5 •1 •2		1 1 1 1		1111	1·1 5·3 6·6 3·8 <u>6·9</u>	11 53 66 38 <u>68</u>
26 27 28	==			•••	•5	•5	•••	•••	•••	•5 ••4	•••	•3	•3	•••	•••			: :	1.5 1.0	15 10
Sum				•••	1.4	5-6	7·0 •25	8 • 2	10.9	11:4	7-4	5•6	4-4	1.3	•••			•	63-2	
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9		ļ	11-12	<u> </u>									Total for Day	Per cent

129. ABERDEEN: h_S (height of recorder above ground) = 20.7 metres

MARCH, 1935

129.	RDERIDA		*s **																	
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 1	hr 	hr 	hr 	hr •••	hr	hr •8	hr 	hr •3	hr	hr •••	hr	hr •••	hr •••	hr	h r	hr 	hr 	hr 	hr 1•1	% 10
3	 		 	•••	···	•8	: 1.0	1.0	•9	•5	1.0	•9	1.0 •1	•3	•••				7•5 3•0	70 28
5 6 7				•••		 1•0	·1 1·0	·2 1·0	1.0	•••	•2	•3	i	•••	•••				0•6 4•2	5 38
8 9 10					 	•6 •3	•6 •4 •6	1.0 .3 .9	1.0 .3 .5	1.0 .1 .5	•3	•9	-6	•2	•••				3•9 1•7 5•5	35 15 49
11 12	=			:::	•6	1•0	1.0	1.0 -1	1.0	1•0 •2	1.0 .3	1.0 .1	1.0	•3	•••				8·9 1·0	79 9
13 14 15	=	==		•••	•••	::i	•2	•••	•5	•5 •4	•5	•3	•5	•••	•••	=	1		2·3 0·7	20 6
16 17 18				•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••				•••	•••
19 20				∵i	i:o	1.0	i:0	i-0	i:o	i:o	••9	*:7	";i	•••	•••				7•8	65
21 22 23 24 25		 	•••	··· •4 •7	·2 1·0 1·0	1.0 .7 1.0	1.0 .1 .5 .9	.5 1.0 .3 1.0	.6 1.0 .5 1.0	.8 1.0 .2 1.0	·3 1·0 ·6 ·7 ·4	•5 •8 •7	•6 •5 •2 •3	•4 •••	•5	•••		1111	4•4 5•6 5•5 8•2 4•7	36 46 45 66 38
26 27 28 29 30			•••	•2 •6	.6 1.0 .2	1:0 1:0 1:0	.7 1.0 .9 .2 .1	1.0 .9 .8 .3	1.0 .9 .1	1.0	1.0	1.0	•9 •2	•4	•5 •1	•••			8•3 8•4 3•0 0•6 0•4	66 67 24 5 3
31	_			•••	•••		-2	-7	•6	•8	•7	•3	•2	•••	•••	•••	-		3•5	27
Sun				2•0	5-8	10•4	12-0	13-8	13-6	11.6.	11-5	9-4	6•3	3•3	1.1	•••			100•8	
Mean			•••	•06	-19	•34	•39	· <u>45</u>	•44	•37	•37	•30	•20	•11	•04	•••			3-25	28

130.	ABERDE	EN: h	ns = 2	20.2 me	tres														APRIL,	1935
Day 1 2 3 4 5	hr	hr	hr	hr •2 •1 •2 ···	hr •2 •2 •7	hr •4 •6 •5	hr •7 •3 •6 1•0	hr •2 •7 1•0 •9	hr • 7 • 7 • 3	hr •9 •8 •9	hr •8 •5 •2 •6	hr •6 ••4	hr •8 •5	hr •3 ••	hr 	hr	hr	hr	hr 1·5 5·8 4·6 5·0 2·8	% 12 44 35 38 21
6 7 8 9 10	 		•1	•4 •6 •••	•2 •5 ••5	•8 •3 •••	1.0 1.0 	.8 1.0 	.7 1.0	.8 1.0 	.5 1.0 	·1 1·0 · ·8 ·1	.3 1.0 .1 1.0 .1	•5	•7 •4 •3 •5	•••			6•8 9•3 0•4 3•6 2•2	51. 69 3 26 16
11 12 13 14 15			•4	•5 1•0	1.0 1.0 1.0	•1 •9 1•0	•7 1•0 1•0	1.0 .8 1.0 .2	.9 .9 1.0 .1	•5 •2 •6 •8	•5 •3 ••0	 9 1.0	·2 1·0 ·8	·1 ·9 ···	•8 •5	•3 •1		1111	4-0 9-6 7-0 4-9	29 <u>69</u> 50 34
16 17 18 19 20	1 1 1 1	•••	•••	•••	•3	•5	•••	•8 •2	1.0	1.0 .4	1.0 1.0	1.0 1.0	••• •9 1•0	1.0 •4	8	•1	•••		7•9 5•9	55 41
21 22 23 24 25	 	•••	•6	1.0	1.0	·4 ··· ·1 ···	•3 •4 •5	•4	1.0 .8 .7 .7	-8 1-0 	•9 •5 •1 •3	·1 ··· ·9	•1	 2 1.0	1.0 1.0	•4 •9 •7	•1		4.5 2.3 4.0 10.0 0.2	31 16 27 67 1
26 27 28 29 30		•••	•••	•••	•••	•2	•••	•4	•••	•4	•2	·1 ·2 ··	·1 ·1 ·1	•3	1:0 ::1 ::	: ° : : :	··1 ···	1111	2.5 0.2 1.5	17 1 10
Sum			1.2	4-0	5•6	7-1	9.9	11.0	10.7	11-1	9-8	8•2	8+9	7•2	7-9	3.7	0.2		106-5	
Mean		•••	•04	•13	•19	•24	•33	•37	•36	<u>•37</u>	•33	•27	•30	-24	•26	-12	•01		3-55	25
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent Possible

131. ABERDEEN: hs (height of recorder above ground) = 20.7 metres

MAY, 1935

-2		2	•	•	•			_	•											
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 1 2 3 4 5	hr 	hr	hr 	hr -4 -3	hr •4 •5	hr 1-0 -1	hr 1.0 .5	hr •3 ••• 1•0 •1	hr •9 •1 1•0 •4	hr 1.0 .2 .1 1.0	hr 1.0 .1 1.0 1.0	hr 1.0 .6 .1 1.0 1.0	hr 1.0 .1 1.0 1.0	hr •6 •1 1•0 1•0	hr •1 ••• •3 •7	hr	hr	hr 	hr 5-9 1-0 0-4 10-1 7-6	% 38 6 3 65 4 8
6 7 8 9 10	 ,	•••	•••	-8	1.0	•1 1•0 •••	-2 1-0	•8 ••0 •9 •8	•5 •1 •7 1•0 1•0	1.0 .2 .2 1.0 1.0	1.0 .6 1.0 .7	1.0 .6 1.0 1.0	1.0 .2 1.0 1.0	1.0 .4 1.0 .3	1.0 1.0 .7	1.0 .4 1.0	•2 •2 •••	=======================================	8·7 3·1 7·3 7·6 8·1	55 20 48 47 50
11 12 13 14 15	•••	•1	•3 •2 •4	•2 •4 •6 1•0	.3 .2 1.0	•6 •2 •1 •9	1.0	•3 •1 ••• 1•0	•2 1•0	1.0	•3 1•0	1.0	1.0	•1 1•0	1.0	•7 •2 •6	•3 ••• •1	•••	3.9 1.8 1.1 13.1	24 11 7 80
16 17 18 19 20	•••	·1 ··· ·3 ···	•6 •1 ••0	•4 •1 ••0	•5 •1	•8 •1 •8 •2	•9 •2 1•0 •8	•9 •2 1•0 1•0	1.0 1.0	.6 .2 .1 1.0	•1 •6 1•0	··· ·7 1·0 1·0	1.0	•8 •7 •8	•1 •1 •:- •5	•2	•••	•••	6•1 0•4 3•8 11•2 8•5	37 2 23 67 51
21 22 23 24 25	•••	•••	1·0	1.0	-8 1-0	•6 ••7 •4	1.0	1.0 1.0	1.0 1.0	1.0 .4 1.0 1.0	1.0 .2 1.0 1.0	1.0 .7 1.0 1.0	1.0 1.0 1.0	1.0 .8 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	•2 •5 •3	•••	11•4 ••6 <u>14•5</u> 9•5	68 27 <u>85</u> 56
26 27 28 29 30	•••	•••	•2	•••	•••	•4	•2	·1 ···	•6 •1 •••	 1.0	.9 .2 1.0	·9 ··· ·1 1·0	1.0 .2 1.0	1.0	1.0	 1.0	•2	•••	8 · 2 0 · 2 · · · 0 · 5 8 · 0	48 1 3 46
31 Sum	•••	1.0	3-9	6.7	6-7	•3 8•3	•2 10•5	13•1	13-6	·1 15·9	•8 16•5	-9 <u>17-6</u>	16.0	1.0	13-3	10-1	3-3	•••	172-1	32
Mean	•••	•03	•13	-22	-22	-27	•34	-42	-44	•51	•53	• <u>57</u>	•52	•50	•43	•33	·11		5•55	34

Mean	•••	•0,5	•19	•18	•23	•29	•24	•29	•41	•40	•41	•39	•50	•40	•30	•17	•10	•••	4-53 Total	26
Sum	•••	1•4	5•6	5-4	6-9	8•7	7-1	8-8	12-2	11.9	12•3	11-7	14-9	12-0	8•9	5-2	2-9		135-9	
27 28 29 30	•••	•2	 3 1.0	 .8 1.0	•1 •7 1•0	•3 •5 1•0	•5 1•0	 9 1.0	 1.0 	•5 •8 ••	9 1.0	•8 1•0	•1 1•0 1•0 •1	1.0 1.0 1.0	1.0 1.0 1.0	•8 •9	•6 •4	:::	0•5 11•0 <u>14•3</u> 0•6	3 62 <u>80</u> 3
24 25 26	•••	•••	•••	•••	•••		•8	•3	1.0	•9	•2	•9	•9 •5	•3	•7	•3	•••	•••	7•8 1•9	11
21 22 23	•••	 •1	•4	•9	•4	i	1.0	.2 1.0	•5 1•0	·1 1·0	1.0 .8	•8 1•0 •7	1.0 1.0 .1	•6 1•0	•1 •8 •••	•3			5•0 11•1 1•6	28 62 9
16 17 18 19 20	•••	 .3 .1	•5 •1 •1 •7	•1 •6	·1 ·1 ··· 1·0	•7 •4 •5 1•0	.2 1.0	•8 •4 •4 1•0	•7 •5 1•0 1•0	1.0 1.0	•1 •8 •5	•2 •1 •8 •7	1.0 1.0	•4 •7 •9 •6	1.0	•3	•••	•••	5-0 2-0 6-8 10-5 2-3	28 11 38 59 13
11 12 13 14 15	•••	.2	•1 •5	•7	•5 •7 •1	•3 •8 •9	•1 •8 •••	•4 •5 •7 •1	.9 1.0 .1 .7 .1	•8 1•0 •6 •4 •9	•9 •9 •7 1•0 •1	1.0 .9 .2 1.0 .1	•9 1•0 •9 1•0 •4	•1 •9 •8 1•0	•7 •4 •1 •6	•1 •1 •1 •4	•7	•••	5•9 8•0 7•5 6•2 3•6	33 45 42 35 20
6 7 8 9 10	•••	··1 ··2 ··	 9 1.0	···3 ···	1.0	•1 •8		•5	·7 1·0	1·0 1·0	.9 .7 1.0	•5 ••8	•9 •3 1•0	·1 ·9 ···	•2 •8	•2 •3	•7	•••	3•2 3•4 3•0 10•0	18 19 17 57
Day 1 2 3 4 5	hr	hr	hr	hr	hr -3 	hr	hr	hr •6	hr •3 •••	hr -1	hr	hr	hr •7	hr •7	hr •9	hr -8	hr •3	hr 	hr 4-7	27

133. ABERDEEN: h_s (height of recorder above ground) = 20.7 metres

JULY, 1935

155. A								10.11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total	Per cent
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	10-14	14-15	10-10	10-17	11-20	20-20			for Day	of Possible
Day 1 2 3 4 5	hr	hr • 7	hr 1.0 .4	hr 1.0 1.0	hr :: 1.0 1.0	hr 1.0 1.0	hr •4 •9	hr 1.0 .8	hr •5 1•0 •8 •1	hr •5 1•0 •1	hr •1 •6 •5	hr	hr •1 •6	hr .1	hr .1	hr •3	hr	hr	hr 1.4 9.5 6.1 5.4	% 8 54 34 31
6 7 8 9	•••	•6 •1 •2 •4	 •9 1•0 1•0	•3 1•0 1•0 1•0	1.0 1.0 1.0	1.0 1.0	-8 1-0 1-0	1-0 1-0 1-0	1.0 1.0 1.0	1.0 1.0 1.0 1.0	*8 1•0 1•0 •7 •2	1.0 1.0 .6	-8 1-0 1-0 1-0	1.0 1.0 .8	1.0 1.0 1.0	•1 •9 1•0 •5	•5 •5	•••	5.2 13.1 14.1 12.7 2.9	30 74 81 73 17
11 12 13 14 15	•••		•2 ••• •••	•6 •1 ···	•1 1•0 	1.0	1.0 .4 1.0	1.0 .5 1.0 	1.0 1.0 .8	1.0 1.0 .2 	1.0 1.0 	1.0 1.0 	1.0 1.0 .5 1.0	1.0 1.0 1.0	1.0 1.0 .7 1.0	1.0 .5 .4 .9	•8 ••• •1	•••	12.7 8.4 6.7 5.0 1.3	73 48 39 29 8
16 17 18 19 20		•3 •6	•3 •1 •4 •9	•3 •7 •9 •6	1.0 .9 .8 .3	1.0 1.0 .8 .1	•8 •1 •8 •7 •5	•2 •3 •1 •8 •4	•3 •4 •1 1•0 •9	1.0 	•4 •5 •1 •9 •1	·2 ·4 ··0 ·2	•9 •1 ••9 •1	•7	·6 ·1 ···	•5	 	•••	6·7 2·5 4·4 10·3 5·2	39 15 26 60 31
21 22 23 24 25	•••	•4 •4 •6 •7	1.0 .4 1.0 1.0	1.0 .4 1.0 1.0	1.0 .3 1.0 .9	•9 ••0 •9 •5	 1.0 .9	•9 •8 1•0 •7	•8 •3 1•0 •8 •4	•9 •2 •7 •6 1•0	1.0 .7 .1 .7	•8 •1 •1 •8 •2	•9 •7 •3 •4	1.0 1.0 .1 .3	1.0	•7 •9 ••• ••1	•5 •6 •3	•••	13•7 6•9 8•7 10•3 4•3	<u>81</u> 41 52 61 26
28 27 28 29 30		·2 ·4 ···	1.0	·6 1·0 ·6	•4	•4 •8 •2 •5	•6 •7 •3 •9	 .8 1.0	•1 •1 •9 1•0	•3 •1 •7 1•0	1.0 .9 .5 1.0	.8 .3 .9 .9	.2 .6 1.0 .6 1.0	-6 -4 -7 1-0	 •8 •1 •8 1•0	••• •8 1•0 •9	•4 •1 •8 •7	•••	4.8 3.4 9.2 8.2 12.1	29 20 56 50 74
31 .		•••	•••	•••		•••	•5	•9	•7	1.0	1•0	1.0	1.0	1.0	•9	•••	•••	•••	8•0	49
Sum		5•6	12-0	15•0	13-8	15•1	16-1	16•2	<u>18•5</u>	16•2	16•8	16•5	16•8	14.2	13•7	11•3	5•4	•••	223•2	
Mean	•••	•18	•39	•48	•45	•49	•52	•52	• <u>60</u>	•52	•54	•53	•54	•46	•44	-36	•17	•••	7•20	42

134. Al	BERDEE	N: h _s	= 20	•7 met	tres														AUGUST	, 1935
Day 1 2 3 4 5	hr 	hr	hr -2	hr •2 •2 1•0	hr •9 •5 1•0 •1	hr 1.0 .1 1.0 .5	hr 1.0 .2 .6 1.0	hr 1.0 .5 1.0	hr 1.0 .3 .3 .7	hr 1.0 .1 .8 .7	hr 1.0 .8 .2 1.0	hr •3 •5 •5	hr •5	hr •1 •1	hr •2 •1	hr	hr	hr 	hr 8•4 1•6 6•5 4•2 1•5	% 52 10 40 26 9
6 7 8 9 10	: : : :	•3	1.0 •1	•2 1•0 	1.0 1.0	.9 1.0 .1 .6	1.0 1.0 .1 .7	1.0 1.0 .2 .9	1.0 1.0 .2 1.0	1.0 1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0 	1.0 1.0 	1.0 1.0 .1	•5 •9 •5	•2 •1 •1 •1	•••	 	10·8 13·3 0·7 7·6 2·4	68 <u>84</u> 5 48 15
11 12 13 14 15	: : :	•••	• 29	1.0 .9	•1 1•0 •5 ···	1.0 1.0 	•1 1•0 1•0	•8 •4 •3	•9 •3 •2 •:	•6 •2 ···	•4 •1 •••	•6	•2 •2	•4	•3 •1 •••	•••	•••	 	3•5 5•7 5•5 	23 37 36
16 17 18 19 20	:- :- :-	•••		-6 -4	1.0 .2 .2 1.0	1.0 .7 .2 1.0	1.0 .4 1.0	1.0 1.0 .9 1.0	1.0 1.0 .5 1.0	1.0 1.0 .5 .9	1.0 .9 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	•6 •7 •6 1•0	•9	•••	 	9.0 9.6 7.2 12.2	59 64 48 82
21 22 23 24 25	 	•••	•2	•4	1.0 1.0 	1.0 1.0 .5	.9 1.0 1.0 .7	.9 1.0 1.0	1.0 1.0 1.0	1.0 .1 1.0 	•5 •9 1•0	•3 1•0 •7 •3	•9 1•0 •7	•2 •3 •5	•7	1.0	•••		7.8 8.9 9.1 1.5	53 61 62 10
26 27 28 29 30	 	•••	-3	• 7	··· ·1 ·7 ···	•6 1•0	-5 1-0	1.0	1.0	1.0	1.0	•6 ••• •••	•7	•••	•••	•••		 	2·3 1·1 0·1 7·0 0·6	16 8 1 49 4
31			•••	•••	•••	•••	•••	•••	•••	•1	···	•••	•••	•••	•••	•••			0-1	1
Sum		•3	2-9	6•8	11•3	14-9	16.0	15•0	14-8	13-5	14.5	11.6	10-3	8-2	6•2	2•3	•••	•••	148-6	
liean		-01	•09	-22	•36	•48	<u>•52</u>	•48	•48	•44	•47	•37	•33	•28	•20	•07	•••	•••	4•79	32
Hour L. A. T.	3-4	4-5	5-6	6-7	7 - 8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible

135. ABERDEEN: h_s (height of recorder above ground) = 20.7 metres

SEPTEMBER, 1935

Hour	3-4	4-5	5-6	6-7	7-8	8-9	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 1 2 3 4 5	hr 	hr 	hr •2 •4 •3	hr 1.0 1.0 .8	hr 1.0 1.0 .1	hr 1.0 1.0 	hr 1.0 .1 1.0	hr 1.0 .3 .7	hr 1.0 .5 1.0	hr •8 ••0 ••0	hr •6 •1 •8 ••5	hr •1 •2 •9	hr .9 1.0	hr -3 -6	hr •2 •5	hr .2 	hr 	hr 	hr 7·7 2·4 <u>10·8</u> 1·2 8·6	% 55 17 <u>78</u> 7 63
6 7 8 9	 		•••	•7 ••• •••	1.0 .2 	1.0 .9 .7 	.7 1.0 .3 	•9 •7 •4 •2		1.0 .5 .1 	1.0 •2 •3 •5	.9 .3 .5 	1.0 .4 .9 .5	•9 •3 •5	•4	•••	: :: ::		10•2 4•5 4•1 2•0 2•1	76 33 31 15 16
11 12 13 14 15	 	 	•••	•9	1.0	·3 1·0 ·2 ·2	•5 •9 •7 •1	-6 1-0	1.0	1.0	•8	1.0	•5	··· ··· ·· ₇	•••	•••	 		1·3 8·8 2·7 1·4	10 68 21 11
16 17 13 19 20	 		•••	··· ·1 ·4 ·7	 .2 .4 1.0	1-0 1-0 -9 -8	.6 1.0 1.0 .8	1.0 .2 1.0 .8	-8 1-0 -8 -2	1.0 1.0 .8 .7	1.0 .9 .7 .8	1.0 	•8 •3 •1 •9	.9 .2 	·2 ··· ··· ·1	•••			7-2 2-4 7-9 6-3 6-6	56 19 63 50 53
21 22 23 24 25	 	 	 	·4 ··· ·4	1.0 .4 1.0	1.0 .9 1.0 .3	 1.0 1.0	1.0 1.0 1.0	-7 1-0 -7 1-0	•4 ••9 •5 1•0	 •5 •2 1•0	1.0	··· ·6 ··7	•6 •5	··· ·1 ···		 	 	5•4 8•0 5•8 7•0	44 66 48 58
26 27 28 29 30	 		 	•3	1.0 1.0	11.0	1.0 1.0	·3 1·0 ··· ·8 ·1	.2 1.0 .7	··8 ··5 ·1	-4	•4	1.0	•9	•2	 		 	1-9 8-7 5-1 0-9	16 73 44 8
Sum			0•9	6-8	12.7	16•5	17.9	16•8	13-3	13-4	10•3	10.7	11-2	7•9	2•3	0•3			141-0	
Mean			•03	•23	•42	•55	<u>•60</u>	•56	-44	•45	•34	•36	•37	-26	-08	-01			4•70	37

136. A	BERDEI	EN: h	s = 20	•7 met	res			•											OCTOBER,	1935
Day 1 2 3 4 5	hr 	hr 	hr	hr	hr •5 •3	hr •1 1•0 ···	hr •6 1•0	hr 1-0 -4	hr •8 •1	hr •6 ••4	hr •9 ••• 1•0	hr •8 ••• •7	hr 1.0 	hr -8 	hr -1	hr 	hr 	hr 	hr 7-2 2-8 2-2	% 63 24 19
\$ 7 8 9	 		 	•••	•7 •9 •6	 1.0 1.0	 .1 .8 1.0	•5 •9 •9	1.0 .7 .2 .2	••• ••9 ••• ••9	1.0 1.0	•7 •7 •5 ••	•5 •5 •4	·3 ·1 ···	•••			 	1·3 4·9 3·8 3·8 6·4	17 44 35 35 59
11 12 13 14 15	 		 	•••	•6 •6	.9 .5 .1	•8 •••	•2	1.0 -1 	1.0 .1 .4 	-8 -1 	•8	•6	·1	•••	 			6-8 1-3 0-5 0-1	64 12 5 1
16 17 18 19 20	 	 	 	•••	 .1 .1	·1 ··· ·3 ·4 ·7	1.0 .1 .6	1.0	•6	•9 •8 ••6	.7 1.0 .2 .3	···4 ···3 ··7	··· ··7 ··· ·3	·1 ·4 ···					4·4 3·3 0·4 1·1 5·1	43 32 4 11 51
21 22 23 24 25	 	 	 	 		·1 ·3 ···	·4 ··· ·7 ···	.4 .2 1.0	•8 •9 •5	1.0 1.0 .1	·3 1·0 ·1 ···	•7 1•0 •2 ···	 .9 	··1 ··3 ···	 			 	3.8 5.3 2.9 	38 54 30 1
26 27 23 29 30	 	 	 	 	•••	•6	 •5 •1	•6	•6	•6	•••	··· ·3 ·7	 .1		 		 	 	3·2 1·1 0·2	 34 12 2
31 Sum					•1 4•5	1•0 8•6	8•4	1·0 8·9	1·0 9·3	1.0	10.4	10.3	6.1	2.4					7 <u>·7</u> 80·3	<u>85</u>
Mean					•15	•28	-27	•29	•30	·36	•34	•33	•20	•08	-00				2-59	25
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible

137. ABERDEEN: H_S (height of recorder above ground) = 20.7 metres

NOVEMBER, 1935

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 1	hr 	hr 	hr 	br 	hr	hr • •8	hr 1•0	hr •8	hr •9	hr •9	hr •6	hr •5	hr	hr	hr 	hr	hr 	hr	hr 5•5	% 60
2 3					:::	•••	•1	•1		:::		•••							0.2	2
4 5					:::		•••		•••	3	•4	•:3	••2	•••					1.2	14
6 7							1.0	1.0	1.0	1.0	1.0	1.0		:::					6·7 0·1	77
8 9					•••				::-			•••	:::						0.2	2
10					•••	•••	•5	·1			•2	•••	***						0•8 3•3	10 40
11 12					•••	•••	•1	·3 ·1	1.0	1.0	1.0 .9 .1	1.0	i i	•••					4·1 0·7	49 9
13 14					<u> </u>		•3				•6	1.0	4						2-0	25
15 16					<u></u>	•••						. •4							0•4	5
17 18		·				•••	•••	:::	•••		··i	•••	:::						0·1	···.
19 20					==	:::	•••	:::	:::	:::	∵i	•••	:::						0-1	i
21							•••			·	·1 ·3								0·1 0·8	1 11
22 23						•••	•3	.7	1.0	1.0	1.0	1.0	•3						5•3 1•9	70 25
24 25					==	•••		:::	٠i	•3	٠ĭ								0•5	7
26 27						•••	.8 6•	1.0 .7	1.0	1.0 .3	1.0		:::			==			5•4 2•5	73 34 5
28 29							•••	•1		·:i	1.0	•3	:::						0•4 1•6 3•4	22 47
30						•••	-2	1.0	1.0	.9	•1	•2	•••						3,4	**
	, , , , , , , , , , , , , , , , , , ,																			·
Sum						-8	5•5	5•9	8-3	8+3	9.5	7•3	1.7	•••					47•3	
Mean						•03	-18	-20	-28	-28	· <u>32</u>	-24	-06						1•58	20
138. A	BERDEE	N. U	= 20:	7 met	res		· · · · · · · · · · · · · · · · · · ·												DECEMBER,	, 1935
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	*
1 2	==					-2	1.0	•9	1.0		•9	•3	•••						5-2	73
3						• • •						•••	•••							
4	=					•••	•9 •6	1.0	1.0	•6 •9	•4 1•0	•5 •8	•••						4·4 3·6	63 51
4 5	ı					•••	•9 •6 1•0	1.0 .3 1.0	1.0	•6 •9 1•0	1.0 .5	•5 •8 •7	•••	==	==				4·4 3·6 5·2	63 51 75
4 5 6 7						•••	•9 •6 1•0	1.0 .3 1.0	1.0 1.0 1.0	•6 •9 1•0 1•0 •4	1.0 -5	•5 •8 •7	•••						4·4 3·6	63 51
4 5 6 7 8 9	 					•••	•9 •6 1•0	1.0 .3 1.0	1.0 1.0 1.0	•6 •9 1•0	1.0 -5	•5 •8 •7					 		4·4 3·6 5·2 4·7 1·7	63 51 75 68 25
4 5 6 7 8	 					•••	.9 .6 1.0	1.0 .3 1.0 .9 .8 .1	1.0 1.0 1.0 .5 .1	1.0 1.0 1.4 .5	1.0 .5 1.0 	·5 ·8 ·7 ·8 ··6							4·4 3·6 5·2 4·7 1·7 1·3 3·9 0·6	63 51 75 68 25 19 57 9
4 5 6 7 8 9 10 11 12 13		 						1.0 .3 1.0 .9 .8 .1 .9 .1	1.0 1.0 1.0 .5 .1 1.0 .3	.6 .9 1.0 1.0 .4 .5 .4 .2	1.0 .5 1.0 .3 1.0	· 5 · 8 · 7 · 8 · · · · · · · · · · · · · · · · · ·		=======================================					4·4 3·6 5·2 4·7 1·3 3·9 0·6	63 51 75 68 25 19 57 9
4 5 6 7 8 9 10						•••	•9 •6 1•0	1.0 .3 1.0 .9 .8 .1 .9 .1	1.0 1.0 1.0 .5 .1 1.0 .3	.6 .9 1.0 1.0 .4 .5 .4 .2	1.0 .5 1.0 .3 1.0	·5 ·8 ·7 ·8 ···							4·4 3·6 5·2 4·7 1·3 3·9 0·6	63 51 75 68 25 19 57 9
4 5 6 7 8 9 10 11 12 13 14 15							-9 -6 1-0	1.0 .3 1.0 .9 .8 .1 .9 .1 	1.0 1.0 1.0 .5 .1 1.0 .3	.6 .9 1.0 1.0 .4 .5 .4 .2	1.0 .5 1.0 .3 1.0	·5 ·8 ·7 ·8 ··6 ···							4.4 3.6 5.2 4.7 1.7 1.3 3.9 0.6	63 51 75 68 25 19 57 9 1
4 5 6 7 8 9 10 11 12 13 14 15							•9 •6 1•0	1.0 .3 1.0 .9 .8 .1 .9 .1 	1.0 1.0 1.0 .5 .1 1.0 .3		-4 1.0 -5 1.0 -3 1.0 	·5 ·8 ·7 ·8 ··· ·6 ··· ·3							4.4 3.6 5.2 4.7 1.3 3.9 0.6 0.1 1.2	63 51 75 68 25 19 57 9 1 18
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20							-9 -6 1.03	1.0 .3 1.0 .9 .1 	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	.6 .9 1.0 1.0 .4 .5 .4 .2 .1	-4 1.0 -5 1.0 3 1.0 -8 	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ··· ·3							4·4 3·6 5·2 4·7 1·3 3·9 0·6 0·1 1·2 0·4 0·3 1·3 1·3	63 51 75 68 25 19 57 9 1 18 6 5 20 15
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20							-9 -6 1-03	1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	.6 .9 1.0 1.0 .4 .5 .4 .2 .1 	-4 1.0 -5 1.0 -3 1.03 1.03 1.01 -1 -1 -1 -11	·5 ·8 ·7 ·8 ··· ·6 ··· ·3							4.4 3.6 5.2 4.7 1.7 1.3 3.9 0.6 0.1 1.2	63 51 75 68 25 19 57 9 1 18 6 5 20 15
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24							.9 .6 1.0	1.0 .3 1.0 .9 .8 .1 .9 .1 	1.0 1.0 .5 .1 1.0 .3 	.6 .9 1.0 .4 .5 .4 .2 .1 	.4 1.0 .5 1.03 1.0	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ···							4.4 3.6 5.2 4.7 1.7 1.3 3.9 0.6 0.1 1.2	63 51 75 68 25 19 57 9 1 18
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23							-9 -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	.6 .9 1.0 1.0 .4 .5 .4 .2 .1 .1	.4 1.0 .5 1.0 	·5 ·8 ·7 ·8 ··· ·6 ··· ·· ·3 ··· ·1 ·3 ·1·0 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··							4·4 3·6 5·2 4·7 1·7 1·3 3·9 0·6 0·1 1·2 0·4 0·3 1·3 1·0 1·1 3·5 5-3	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28							-9 -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	.6 .9 1.0 1.0 .4 .5 .4 .2 .1 .1 	-4 1.0 -5 1.0 -3 1.087 -16	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ··· ·3 1·0 ···							4.4 3.6 5.2 4.7 1.7 1.3 3.9 0.6 0.1 1.2 0.4 0.3 1.0 1.1 3.5 5.3 1.0	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27							-9 -6 1-03	1.0 .3 1.0 .9 .1 .9 .1 	1.0 1.0	.6 .9 1.0 .4 .5 .4 .2 .1 	-4 1·0 -5 1·0 -3 1·087 -1	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ··· ·3 ··· ·3 ··· ·1 ·3 ·1·0 ··· ··· ··· ··· ··· ··· ··· ··· ··							4·4 3·6 5·2 4·7 1·7 1·3 3·9 0·6 0·1 1·2 0·4 0·3 1·3 1·0 1·1 3·5 5·3	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29							-9 -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	.6 .9 1.0 1.0 .4 .5 .4 .2 .1 .1 .1	.4 1.0 .5 1.03 1.087 .1	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ··· ·3 ··· ·1 ·3 ·1·0 ··· ·1 ·3 ·1·0 ··· ·1 ·1· ·1· ·1· ·1· ·1· ·1· ·1·	-8						4·4 3·6 5·2 4·7 1·7 1·3 3·9 0·6 0·1 1·2 0·4 0·3 1·0 1·1 3·5 5·3 1·0 0·2	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15 3
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30							-9 -6 1-03	1.0	1.0 1.0 1.0	.6 .9 1.0 .4 .5 .4 .2 .1 .1 	-4 1.0 -5 1.0 -3 1.087 -16	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ·· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·3 ··· ·	-8						4·4 3·6 5·2 4·7 1·7 1·3 3·9 0·6 0·1 1·2 0·4 0·3 1·0 1·1 3·5 5·3 1·0 0·2	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15 3
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31							-9 -6 1-03	1.0 .3 1.0 .9 .8 .1 .9 .1 	1.0 1.0	 	-4 1·0 ·5 1·0 ·3 1·0 ·· ·3 1·0 ·· ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1	·5 ·8 ·7 ·8 ··· ·6 ··· ·3 ···							4·4 3·6 5·2 4·7 1·3 3·9 0·6 0·1 1·2 0·4 0·3 1·3 1·0 1·1 3·5 5·3 1·0 0·2	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15 3
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Sum							-9 -6 1-03	1.0 .3 1.0 .9 .8 .1 .9 .1 	1.0 1.0	 	-4 1-0 -5 1-0 -3 1-087 -1 1-06 8-5	·5 ·8 ·· ·· ·6 ·· ·· ·3 ·· · ·3 ·· · · · · ·	-8						4.4 3.6 5.2 4.7 1.3 3.9 0.6 0.1 1.2 0.4 0.3 1.3 1.0 1.1 3.5 5.3 1.0 0.2 	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15 3
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Sum							-9 -6 1-03	1.0	1.0 1.0	 	-4 1-0 -5 1-0 -3 1-087 -1 1-06 8-5	.5 .8 .7 .8 .6 .3 1.0 .2 .5 .6	-8 -03						4.4 3.6 5.2 4.7 1.7 1.3 3.9 0.6 0.1 1.2 0.4 0.3 1.3 1.0 1.1 3.5 5.3 1.0 0.2 1.0 0.2 1.0 1.1 3.5 5.3 1.0 1.0 1.1 3.5 5.3 1.0 1.0 1.1 3.5 5.3 1.0 1.0 1.1 3.0 1.0 1.1 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15 3
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Sum Mean Mean Annual Annual						-2 -01	-9 -6 1-03	1.0	1.0 1.0	 	-4 1-0 -5 1-0 -3 1-087 -1 1-06 8-5 -27	-5 -8 -7 -8	-8 -03	72-1	53.5	32.9			4.4 3.6 5.2 4.7 1.7 1.3 3.9 0.6 0.1 1.2 0.4 0.3 1.3 1.0 1.1 3.5 5.3 1.0 0.2 1.0 0.2 46.0 1.48	63 51 75 68 25 19 57 9 1 18 6 5 20 15 16 53 80 15 3

139. ABERDEEN: Dines Pressure Tube Anemometer from Jan. 1935 Ha (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0	- 1	1 -	- 2	2 -	- 3	3 -	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	- 9	9 -	10	10	- 11	11 -	12
Day 1 2 3 4 5	0 210 180 240 270 320	m/s 0·4 1·4 2·0 6·9 7·9	0 230 180 240 270 310	m/s 1·2 2·3 1·7 6·6 7·7	0 110 190 220 280 320	m/s 0.2 1.4 1.0 7.1 8.0	0 170 190 220 250 310	m/s 0.5 0.5 1.4 7.1 7.8	200 210 290 310	m/s 1.9 0.0 1.7 8.2 7.7	230 210 300 310	m/s 1·7 0·0 1·2 9·0 7·8	240 240 240 290 310	m/s 3·1 0·0 1·7 7·9 6·7	240 190 300 320	m/s 0·3 0·0 1·1 8·8 6.8	290 240 300 320	m/s 0.6 0.0 2.5 8.5 5.4	300 300 240 300 310	m/s 1·1 0·3 2·1 7·9 4·8	290 180 310 310	m/s 0·4 0·0 2·6 9.2 4·9	0 300 310 210 310 310	m/s 1.6 0.1 1.7 10.7 5.6
6	330	5·1	340	5.6	320	5·3	340	5·9	330	5.8	340	5.6	340	4.8	340	5·4	340 ,	6.6	330	5·3	330	5.6	340	5.5
7	170	1·5	150	1.2	100	4·5	90	5·3	90	5.4	90	4.3	90	3.8	70	3·8	80	4.2	90	6·6	110	6.9	90	4.5
8	130	3·9	130	6.0	130	5·2	130	4.8	110	2.5	110	3.8	140	3.1	120	3·4	190	1.7	200	1·3	200	3.3	220	4.5
9	190	2·8	210	3.4	190	2·6	200	2·6	190	3.1	200	5.0	200	4.8	210	4·7	200	5.4	180	4·5	190	3.8	190	3.5
10	180	7·1	180	4.9	180	5·5	180	5·2	200	6.1	190	3.5	200	6.9	210	7·2	210	7.7	220	7·3	220	7.6	210	8.3
11	200	8.8	200	9.6	190	9•4	180	8·4	180	8·4	190	6.6	180	8·9	180	11·4	190	12·1	190	8.6	190	9·8	200	8·3
12	270	6.4	280	5.2	270	5•6	280	3·8	290	5·0	300	5.9	300	4·5	300	5·6	300	5·6	300	7.2	310	7·7	300	6·0
13	310	6.1	300	4.2	300	4•2	290	4.0	280	3·9	280	3.4	280	2·6	280	3·4	280	2·8	270	2.5	270	2·8	250	2·4
14	280	3.0	220	0.9	280	1•9	300	3·4	280	1·1	300	5.3	290	5·9	300	5·9	300	5·4	310	5.9	300	7·1	310	6·2
15	270	3.1	260	3.2	290	4•2	280	4·5	280	4·5	280	3.4	280	2·7	280	3·3	280	3·5	290	4.4	290	5·0	280	4·6
16	200	1.3	240	2·3	210	0.8	240	1.2	240	0·4	50	0·1	270	0.7	300	0.7	260	1·3	250	3.2	270	3·3	270	3.9
17	300	3.0	300	2·7	290	3.0	290	2.6	290	3·0	290	3·0	290	2.9	300	2.5	310	3·7	300	3.0	310	3·6	300	2.9
18	330	1.8	330	1·4	300	1.4	320	1.4	330	0·5	360	0·7	340	0.7	310	0.6	320	0·9	320	1.1	340	1·4	340	1.6
19	310	3.2	310	3·3	310	2.6	310	2.5	310	3·0	300	2·0	300	2.0	300	2.1	290	3·0	290	2.6	270	2·7	270	3.3
20	300	2.7	300	2·4	290	2.4	290	2.4	300	3·1	300	3·9	300	3.8	300	2.9	300	3·3	300	3.6	300	4·5	300	5.1
21	280	1.5	280	2.0	290	2·1	300	2.8	290	3.6	280	2·3	280	3·3	270	4.2	280	4·8	280	4.6	280	4.8	290	5·2
22	270	4.5	270	3.8	290	3·3	280	2.9	270	2.9	290	3·5	270	2·7	270	3.7	270	3·1	260	2.2	270	4.1	270	4·8
23	210	3.1	200	3.9	250	3·5	240	3.7	180	3.0	240	4·3	230	5·2	250	5.7	250	4·3	290	10.5	290	8.7	290	9·5
24	260	3.5	250	2.9	220	2·0	210	1.8	190	0.8	200	3·1	210	3·0	200	1.5	210	1·6	210	3.7	240	6.5	250	7·2
25	280	11.5	270	8.5	270	7·7	270	6.6	260	5.8	250	5·1	250	7·5	250	6.5	260	7·2	250	6.0	250	6.1	260	8·0
26	340	7.9	320	8·5	330	10.9	340	13.0	330	12.7	340	13.9	340	11.8	340	11.0	330	10·5	340	9.5	350	8·9	350	8.2
27	330	9.4	330	9·2	330	8.4	330	7.8	340	7.8	330	6.6	320	6.8	330	6.6	330	5·8	320	6.8	330	6·3	320	7.0
28	280	1.8	290	0·7	210	0.5	280	0.9	310	0.2	290	0.1	230	0.4	240	1.1	220	1·2	220	1.1	200	1·0	210	1.2
29	300	3.6	310	4·5	310	3.9	310	3.4	310	3.7	310	4.2	300	4.4	300	3.0	300	3·3	310	2.9	300	3·1	310	2.4
30	230	0.2	300	0·2	280	0.2	240	1.0	210	2.7	230	1.1	170	0.4	250	1.8	230	0·6	240	0.2	220	0·6	210	0.2
31 Mean	230	4.1	250	3.9	250	3.1	240	3·3 4· 0	240	3.3		4.0		4.1		4.2		4.3		4-4		4.8		5-0

140. ABE	RDEEN	: Н _а	= 24	metr	es +	13 me	tres			_														
Day 1 2 3 4 5	280 280 270 310 210	m/s 5.5 9.1 4.1 0.9 1.0	0 250 280 200 290 210	m/s 3.6 11.0 2.1 1.1	0 210 280 240 310 200	m/s 1·7 9·4 3·1 1·6 1·2	o 220 280 230 300 200	m/s 1·9 9·7 4·9 1·0 1·6	0 200 280 230 300 190	m/s 2·8 10·7 6·0 1·0	0 200 280 230 300 190	m/s 3·6 9·1 4·4 0·9 1·4	0 190 280 220 290 210	m/s 3·6 8·4 4·6 0·4 1·5	0 190 280 210 300 240	m/s 3·7 9·3 2·8 0·3 2·5	0 180 280 230 220 240	m/s 1.6 8.8 1.3 0.6 3.5	0 240 280 200 210 240	m/s 4·1 10·1 1·4 1·0 5·9	240 270 230 190 260	m/s 4·8 10·5 1·0 2·4 6·4	0 270 280 190 190 260	m/s 6·4 11·5 0·5 3·7 5·5
6 7 8 9 10	30 280 130 300 10	9·1 2·6 0·1 1·0 0·4	20 280 210 310	8·8 2·7 0·2 3·2	360 280 310	6.0 3.1 0.0 5.1	350 280 190 310	4·7 3·1 0·4 3·9	340 280 190 300	5.0 0.8 0.3 2.1	340 230 190 280	4.5 0.5 0.5 	340 270 200 200 280	4.0 0.5 0.2 0.7 0.5	350 210 240 190 250	4.2 0.6 0.1 0.7 0.9	340 270 280 290 270	3·2 0·1 0·1 0·4 2·0	340 310 290 300 260	3.7 0.4 0.6 1.4 1.9	340 310 290 310 240	3-2 1-0 0-5 1-6 0-6	330 250 210 120 250	2·4 0·3 0·3 0·4 1·1
11 12 13 14 15	180 190 210 190 230	0.6 5.5 3.4 3.0 3.6	200 190 220 210 240	0.5 6.4 3.6 3.3 5.2	190 200 190 240 250	0·1 7·1 2·3 4·6 7·3	210 190 250 260	0.0 9.3 2.5 4.4 8.6	300 220 180 260 250	0.5 6.4 2.3 5.8 4.0	310 220 190 240 270	1.1 2.8 1.9 5.3 2.6	300 240 190 250 250	0.8 4.3 1.8 7.8 3.5	310 240 190 270 240	0·3 2·7 1·4 11·2 1·7	300 270 210 270 230	0.2 3.4 0.5 14.6 1.8	200 270 270 290 240	0.5 6.6 0.4 17.1 0.4	180 270 290 310	1.8 6.6 0.9 16.8 0.0	180 310 300 320 170	3.0 8.0 0.7 12.7 0.3
16 17 18 19 20	220 280 170 210 150	1.7 8.6 5.4 6.3 4.5	190 280 190 220 150	0.9 9.2 5.1 7.9 5.6	190 280 190 220 160	2·1 7·3 6·0 10·3 5·8	190 280 190 220 160	3.5 7.7 4.7 11.4 5.5	200 270 210 220 180	3·6 7·2 5·5 9·6 6·2	210 270 220 220 180	1.6 4.5 7.0 10.9 7.2	180 210 220 220 170	1.9 5.2 10.2 4.2	220 240 210 220 180	0·1 3·5 4·7 7·5 6·8	240 200 310 180	0.0 0.7 4.8 6.0 7.4	290 240 200 310 180	0.5 2.6 5.0 4.5 7.3	300 220 200 310 180	2·3 3·8 6·5 4·3 7·1	290 210 200 320 180	3.0 3.1 8.7 5.3 10.0
21 22 23 24 25	200 220 340 220 10	11.1 5.8 8.0 2.4 3.1	210 220 330 250 350	10·6 5·9 7·7 3·8 4·4	220 210 330 250 350	9·1 6·2 7·5 3·6 4·7	220 210 330 280 350	9.5 6.5 7.9 2.7 5.5	220 210 340 270 360	8.8 4.7 6.9 1.6 5.7	230 200 340 240 350	7-8 3-9 6-6 0-5 4-7	200 170 330 300 350	4·7 3·2 9·0 2·1 5·3	21.0 150 330 290 360	7.0 1.9 7.0 1.5 6.2	210 170 330 280 350	8·2 2·0 7·3 1·3 5·3	210 190 330 290 350	6·3 3·7 7·5 0·3 6·4	210 190 330 230 340	7·1 4·7 6·9 0·2 6·8	220 210 330 270 360	7-1 5-7 7-9 0-3 6-1
26 27 28	300 160 140	3•4 7•6 7•5	300 160 140	2•1 8•5 6•8	290 170 150	2•2 7•8 6•0	290 160 160	1•8 8•6 5•9	210 160 160	1.9 9.0 6.1	280 160 160	2·1 9·7 6·3	200 160 150	0•8 10•0 5•9	200 160 150	1.0 10.9 5.5	220 160 140	2•7 11•2 6•4	220 160 140	1·1 11·1 6·2	170 150 140	1.7 12.1 5.5	210 150 140	2.6 13.3 6.0
Mean		4.5		4.7		4.7		4.9		4.5		4.0		3•8		3•8		3-8		4.2		4.5		4.9
Hour G. M. T.	0	- 1	1	- 2	2 .	- 3	3 -	- 4	4	- 5	5 -	- 6	6	- 7	7	- 8	8 -	- 9	9	- 10	10	- 11	11	- 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours Greenwich Mean Time

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

JANUARY, 1935

M.S.L	• + h	a (h	eight	of a	nemom	eter	above	grou	nd) =	24 m	etres	+ 13	metr	es								JA	NOALL	, 190	, <u> </u>
12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18 -	19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
290 200 200 310 320	m/s 1·2 0·7 3·8 10·6 6·0	300 210 230 310 330	m/s 1.0 1.5 2.5 10.4 6.5	300 200 160 310 320	m/s 1·1 1·1 2·6 10·9 5·5	300 250 180 320 330	m/s 0.8 1.5 5.1 10.9 4.5	300 270 210 310 310	m/s 1·1 0·7 5·1 10·9 4·7	0 310 290 280 320 320	m/s 0.8 0.9 6.2 11.3 5.8	300 280 300 320 320	m/s 0.6 3.2 7.3 9.6 6.2	0 300 240 280 320 330	m/s 0.6 3.3 3.1 10.0 5.6	230 270 320 330	m/s 0.0 2.9 4.4 11.7 6.2	0 190 240 280 320 320	m/s 0.2 2.0 6.6 10.3 5.6	0 180 240 290 320 320	m/s 0·1 4·2 8·7 9·4 4·6	0 170 230 270 320 320	m/s 0·3 2·2 4·5 8·9 5·2	m/s 0.9 1.3 3.4 9.3 6.1	1 2 3 4 5
330 130 220 200 200	5-4 7-7 1-9 6-0 7-5	360 120 220 200 200	4.6 7.8 2.4 5.4 6.3	360 120 170 200 190	4·4 7·0 4·7 4·5 5·9	340 120 170 200 190	5·1 6·9 1·9 5·0 6·6	340 120 220 190 200	5•0 5•4 1•5 5•4 7•8	360 120 190 200 200	5•3 7•0 2•7 3•6 8•1	360 120 220 200 190	4•7 6•0 2•0 4•3 7•9	350 130 210 200 190	4·1 5·5 2·4 5·4 8·0	340 120 200 200 190	3·8 6·1 2·4 5·0 7·1	340 120 190 190 180	2.5 6.1 3.6 3.8 8.1	340 170 200 190 190	1.8 5.4 2.1 4.6 7.7	60 160 210 190 200	1.8 3.7 2.3 5.9 9.4	4.8 5.3 3.1 4.4 7.0	6 7 8 9 10
200 300 270 310 290	8 · 2 5 · 4 2 · 9 3 · 8 4 · 5	220 310 240 310 290	4.8 6.5 3.4 3.8 3.2	220 300 220 310 280	4.9 5.6 2.3 2.3 3.2	210 290 190 320 280	6.6 4.8 2.0 3.1 2.7	210 290 190 300 250	6.4 3.9 3.1 1.8 1.2	250 270 190 300 200	5.5 2.0 3.5 3.1 0.5	290 250 200 300 220	5.8 2.4 4.0 5.5 1.0	280 260 200 300 220	6•7 4•1 4•5 5•3 2•0	280 270 210 280 220	4.7 6.8 4.0 3.2 1.8	290 270 200 280 220	5.9 7.7 2.5 3.6 1.7	270 290 230 280 220	4·1 6·6 1·5 3·6 1·5	270 320 280 280 200	3.6 6.6 2.0 3.7 1.5	7•4 5•5 3•3 3•9 3•0	11 12 13 14 15
300 310 340 280 300	5.3 2.9 1.8 2.5 4.8	300 300 330 280 300	5.0 3.0 1.8 2.4 4.6	290 310 340 290 300	3.2 3.1 2.5 2.3 4.7	300 310 340 300 300	3.0 2.4 2.5 1.4 4.9	300 310 330 310 310	2·1 2·7 2·9 1·1 4·3	290 310 320 290 300	1.0 2.0 2.9 1.9 4.3	300 300 310 300 300	0.6 2.3 1.6 2.9 5.9	300 310 310 270 300	2·3 2·3 1·5 3·6 6·0	290 310 310 240 300	2.0 1.9 1.6 1.5 5.5	280 320 320 270 290	2.0 1.7 2.0 2.1 4.3	300 330 320 280 290	3.0 1.3 2.0 1.9 3.7	310 320 320 260 280	2.8 1.1 2.5 1.5 2.8	2·1 2·6 1·6 2·4 4·0	16 17 18 19 20
280 290 280 220 270	5•4 5•9 8•5 4•8 8•5	280 270 280 210 260	5.5 4.6 8.1 4.7 8.7	280 280 270 200 270	4.3 4.2 6.1 3.5 8.5	280 280 280 210 270	5.5 3.5 6.0 2.3 8.1	290 260 280 220 280	4.8 2.5 6.4 3.3 7.3	290 240 260 190 290	4.7 2.8 4.5 2.5 7.3	290 230 280 190 290	4.9 2.7 5.5 6.1 6.6	280 240 290 200 300	4.5 3.4 6.0 6.2 4.9	280 220 280 210 300	5·2 3·0 3·5 4·2 3·4	290 200 250 250 350	4.8 2.5 2.8 10.0 5.3	280 200 250 260 350	3•9 3•4 3•2 9•3 8•0	270 230 250 270 340	2.9 3.7 4.3 12.3 7.8	4·1 3·5 5·4 4·5 7·1	21 22 23 24 25
340 320 200 310 280	8·2 6·9 0·4 2·2 1·6	340 320 210 310 310	8 · 8 5 · 2 0 · 9 2 · 4 2 · 9	340 320 180 310 300	10·4 5·5 0·7 1·7 6·7	340 300 210 320 290	9·9 5·6 0·2 0·4 3·4	350 310 270	5.5 5.2 0.0 0.0 4.6	340 310 290	8•7 6•0 0•0 0•0 7•1	340 270 270 220 290	7·9 4·7 1·0 0·5 4·1	330 290 280 190 280	7.6 3.7 2.1 (1.0) 4.3	340 310 290 190 280	8·3 3·9 1·8 2·3 4·1	340 290 290 190 270	9·2 2·9 2·6 3·2 3·9	330 290 290 200 280	9•4 2•9 2•2 0•8 2•6	330 290 300 180 250	8.7 2.7 4.1 0.4 1.5	9.6 6.0 1.1 2.4 2.3	26 27 28 29 30
270	9•5 <u>5•0</u>	270	10•9 4•8	270	9•8 4•6	270	9•0 4•4	270	9•2 4•1	270	9•5 4•2	280	8•0 4•4	280	8•1 4•5	280	4•2	280	7•0 4•4	280	6•6 4•2	270	7•3 4•1	4.3	31

																						FE	BRUAR	Y, 19	35
230 300 210 210 270	m/s 4.5 8.7 0.6 4.1 6.3	0 240 290 210 230 280	m/s 5·3 6·2 0·6 3·9 5·3	240 270 290 230 280	m/s 5.0 7.9 1.2 2.7 5.7	250 290 310 230 280	m/s 5·3 6·8 1·1 2·0 3·2	240 280 340 240 270	m/s 4·2 6·5 1·4 2·1 1·0	230 300 300 240 300	m/s 3.0 7.0 0.5 2.2 1.3	240 300 290 240 310	m/s 4·6 4·5 0·8 2·1 2·3	250 290 280 250 310	m/s 5·7 4·5 1·1 2·5 3·0	250 300 290 270 310	m/s 7·5 6·0 1·7 3·4 4·0	260 300 290 280 330	m/s 7·0 5·1 1·5 4·0 5·1	270 290 290 290 290 350	m/s 10·4 4·6 1·7 1·9 4·6	270 270 340 230 20	m/s 8·4 5·9 1·9 1·4 7·0	m/s 4·8 8·0 2·1 2·0 3·4	1 2 3 4 5
320 250 200 50 250	2·4 0·9 0·8 0·4 1·9	320 240 200 110 240	3·4 0·6 0·6 1·0 1·7	310 240 110 240	2·5 0·7 0·6	340 220 130 100 240	2·1 0·1 1·1 0·1 0·3	340 220 120 310 180	2·1 0·2 0·2 0·5 0·1	310	1.7 0.0 0.0 	290 230	1·1 0·0 0·0 ···	290 320 310 230	1.5 0.0 0.9 1.0 0.6	280 250 310 300 230	2.5 0.1 1.1 0.8 0.5	300 310 310 300 220	0.7 0.5 1.7 2.4 0.2	270 290 300 200	1.9 0.1 1.4 1.5	280 290 190	2•3 0•0 0•8 0•5	3.5 0.8 0.5 0.8 1.3	6 7 8 9 10
190 310 310 320 60	4·1 8·5 2·5 13·2 0·6	200 300 310 320 20	4·4 6·4 3·4 11·3 0·8	190 300 310 330 210	4.5 7.5 2.3 5.2 1.5	180 310 310 330 210	3.7 5.3 2.0 3.4 1.9	200 290 320 330 220	5·3 3·3 1·4 0·4 0·6	190 290 320 230 170	4.5 1.2 0.6 0.5 0.2	200 250 180 200	4.4 1.0 0.0 0.5 0.1	200 260 170 200 220	10.2 0.8 0.5 0.5 1.0	210 210 170 210 230	9.5 1.5 2.0 0.5 0.6	210 200 160 210 250	7.9 1.6 2.7 1.9 0.8	190 200 170 230 240	5.5 1.6 3.1 3.2 0.9	190 210 190 230 220	5·1 1·7 2·9 2·8 1·8	3·3 4·6 1·9 6·3 2·1	11 12 13 14 15
310 210 200 320 180	3·4 4·1 8·1 5·6 10·1	310 210 200 320 180	3•7 2•9 6•3 4•4 7•5	310 240 190 320 170	4.8 4.4 6.4 3.4 6.1	300 220 190 330 180	4•4 3•2 5•8 1•6 5•0	300 220 200 20 20 200	5·1 4·1 7·3 0·9 6·0	290 190 200 110 210	3.9 3.9 7.8 0.1 6.0	300 200 200 120 210	6.6 4.8 8.0 0.3 6.9	310 200 190 140 190	6.7 4.2 8.5 1.6 5.3	300 200 200 140 200	8.0 4.6 8.0 3.1 5.0	300 200 180 140 210	8•5 4•7 5•4 3•6 5•6	290 200 190 140 200	8 • 0 6 • 2 5 • 9 3 • 8 5 • 5	290 190 210 150 200	9·3 5·1 7·7 4·7 8·0	3.9 4.7 6.4 5.3 6.4	16 17 18 19 20
230 230 320 50 350	8.0 4.2 7.8 0.8 7.6	230 270 310 110 340	6•6 5•1 5•6 0•9 7•5	230 270 300 60 350	9•0 4•4 5•9 0•6 7•2	240 280 280 70 340	9.5 4.2 3.9 1.0 5.8	250 290 260 60 350	10·4 4·7 2·3 1·4 5·7	250 280 270 90 320	7.5 4.1 1.9 1.5 6.1	230 300 260 70 330	5•7 2•8 3•3 2•1 5•4	220 310 230 100 320	4.8 4.4 2.5 2.6 4.5	220 330 250 100 330	5•1 6•6 3•1 1•3 6•0	220 340 250 70 320	5.0 7.5 3.8 2.1 5.6	220 350 240 60 310	6.2 7.9 3.1 2.6 3.9	220 350 250 50 310	6-9 7-7 2-6 3-6 4-4	7•6 4•9 5•7 1•7 5•6	21 22 23 24 25
230 150 140	4•4 12•5 5•9	220 150 160	2•9 13•4 5•5	240 150 160	3.0 12.6 5.3	190 150 150	2•6 12•0 4•8	200 150 150	4.0 10.9 3.6	200 140 150	4·2 10·4 2·9	200 140 140	1·2 10·3 3·9	180 150 140	3•5 8•8 3•5	180 150 140	2•3 9•4 2•7	190 150 140	3·1 10·1 3·2	170 150 150	3·1 9·9 1·5	170 140 140	6•6 7•8 0•4	2•7 10•3 4•9	26 27 28
	<u>5·1</u>		4-5		4-4		3.7		3•4		3.0		3•0		3•4		3•8		4.0		3.9		4-2	4-1	
	- 13	-	- 14		- 15		- 16		- 17		- 18		- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day

141. ABERDEEN: Dines Pressure Tube Anemometer from Jan. 1935 Ha (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0	- 1	1 -	2	2	- 3	3	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	- 9	9 -	- 10	10	- 11	11	- 12
Day 1 2 3 4 5	0 130 130 150 280 210	m/s 3.9 6.5 0.3 3.6	0 130 130 150 280 200	m/s 1.5 3.9 6.4 0.8 2.2	0 130 120 150 290 220	m/s 1·3 6·2 7·3 2·0 2·4	0 130 130 150 290 210	m/s 2·4 5·8 8·2 2·4 1·5	0 120 140 140 290 210	m/s 1.7 5.7 7.9 2.5 2.2	0 120 130 150 290 220	m/s 2·7 8·4 7·7 2·9 2·4	0 140 130 150 290 230	m/s 3·4 8·3 8·3 2·9 1·6	0 150 130 150 280 210	m/s 3·9 7·3 8·3 2·5 1·8	0 150 130 150 290 210	m/s 3.2 6.4 8.2 2.0 3.2	0 130 130 150 290 210	m/s 4·2 6·8 8·0 1·5 4·4	0 130 130 150 290 200	m/s 4·9 6·7 7·9 3·4 2·2	0 130 140 170 310 250	m/s 5•2 4•7 7•5 1•8 4•5
6 7 8 9 10	250 170 180 150 110	3•7 0•6 3•7 5•6 5•6	270 180 180 160 110	4.2 0.5 4.1 4.9 5.5	260 210 180 150 110	5.0 1.2 2.5 5.4 5.2	250 110 170 160 110	2•4 0•2 1•7 4•3 4•7	270 170 150 110	2·1 0·0 2·0 4·2 4·4	260 180 170 150 100	5·2 0·1 2·1 3·7 4·3	250 190 170 140 90	4·1 0·9 2·5 3·6 3·9	260 170 160 150 90	3·3 0·3 3·0 4·2 4·7	260 170 160 150 90	3·3 0·5 3·5 3·5 4·4	270 180 160 130 90	4.0 1.6 3.9 4.8 4.6	270 170 170 130 90	3.5 3.4 4.5 5.1 4.7	270 160 170 120 90	2.6 3.1 4.9 5.1 4.6
11 12 13 14 15	70 310 160 160 120	4.6 2.3 2.4 3.3 4.4	70 310 160 170 120	4.5 2.4 2.1 2.7 3.8	70 290 150 170 130	4.0 1.8 2.3 3.0 3.2	70 310 150 160 130	3•9 2•5 2•5 3•2 2•6	70 310 150 150 140	3·1 2·6 3·0 2·8 1·3	70 310 150 150 120	3·3 2·1 3·5 2·9 0·9	70 310 150 150 120	3.7 2.0 3.3 2.4 1.1	80 310 150 150 110	3.8 1.7 3.2 2.2 1.4	80 310 140 170 110	3.6 1.9 3.8 1.8 3.2	90 310 150 160 110	2.9 1.3 4.2 2.4 2.9	90 320 150 150 100	3.0 0.8 4.6 3.3 2.4	90 120 140 160 100	2·8 2·1 4·2 3·3 3·2
16 17 18 19 20	180 340 300 190 180	1.3 0.1 1.2 5.6 4.2	190 340 310 190 170	0.8 0.7 0.5 4.4 3.1	220 330 190 200	0.8 0.6 6.2 4.4	310 330 190 210	1.0 0.7 7.0 3.9	300 330 200 220	0.9 1.2 0.0 8.0 4.3	300 320 200 210	1.0 1.3 0.0 5.1 6.3	300 300 150 210 220	0.9 2.0 0.5 4.1 5.4	280 300 160 200 230	0·1 2·1 1·4 1·8 5·4	310 300 160 190 250	0.6 2.1 2.5 0.9 3.7	310 310 160 210 250	0.8 2.3 3.8 1.9 5.5	190 300 180 210 250	1.2 2.3 4.9 2.7 6.7	180 310 180 200 250	2.2 2.2 5.6 2.3 6.5
21 22 23 24 25	200 210 190 250 160	1·1 1·7 3·7 2·5 4·9	220 200 190 260 180	1.4 1.7 3.5 2.3 3.1	210 210 190 290 200	1·1 3·1 2·8 4·0 3·7	210 200 280 200	2.9 2.5 5.0 3.3	190 200 220 270 190	0.8 3.3 1.5 3.4 3.5	200 200 250 280 170	0.2 4.2 1.6 4.2 5.9	230 200 240 270 220	1·1 3·5 3·2 3·3 6·8	200 210 240 280 220	1.4 2.8 2.6 1.4 7.5	170 210 230 280 190	1.0 3.0 2.9 3.5 7.4	200 200 280 290 200	1.7 2.7 6.6 7.9 6.3	210 200 290 300 190	2.0 4.0 6.5 6.1 5.9	240 200 300 300 210	3.0 4.9 5.8 6.0 5.3
26 27 28 29 30	260 280 280 310 190	4.8 8.0 3.9 2.2 3.5	250 290 280 340 200	5·2 7·9 2·9 2·8 3·6	250 290 250 330 200	5·2 8·3 3·4 3·0 4·1	250 290 240 30 200	4·1 8·3 2·4 4·3 3·9	250 300 280 40 200	3·3 8·5 2·9 4·8 3·0	240 300 290 40 200	3·9 7·4 3·0 3·5 2·3	250 290 290 20 210	3·3 6·1 3·2 2·0 0·7	250 300 290 340 220	2.8 7.6 2.8 1.5	270 300 280 40 220	6.5 7.3 4.4 2.0 1.4	270 300 290 60 230	9·7 7·5 4·7 2·5 1·3	280 300 310 80 290	11 · 2 8 · 7 5 · 2 2 · 2 3 · 7	280 300 310 100 290	11·2 7·6 5·0 2.0 4·0
31 Mean	240	3.3	180	1·0 3·0	170	1·2 3·4	190	0•5 3•2	210	1·2 3·1	220	2·9 3·4	200	3.2	200	0·9 3·1	240	4·1 3·4	240	5•1 4•1	260	6•9 4•5	280	9•5 4•6

140	ADEDDERN.	77	_	0.4		4.1	7
142.	ABERDEEN:	Ha	=	24	metres	+ T	o metres

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Day 1 2 3 4 5	270 330 330 330 300	m/s 6·6 7·6 5·9 8·5	260 330 330 330 300	m/s 7·0 7·3 5·7 8·5 10·6	270 330 330 320 320	m/s 8·4 6·1 6·8 8·2 10·5	270 330 320 310 300	m/s 11.5 7.3 5.6 8.0 11.5	290 330 320 300 300	m/s 12.6 7.7 4.5 7.6 11.1	300 330 320 290 300	m/s 14·1 7·8 5·2 7·9 10·2	290 320 330 300 300	m/s 14·3 8·4 6·0 9·0 10·5	300 330 310 290 290	m/s 12.0 8.1 6.2 9.2 10.6	310 330 320 280 290	m/s 11.5 8.5 6.8 9.0 10.0	330 330 320 280 290	m/s 11.5 7.8 7.7 9.2 10.2	330 340 330 290 290	m/s 11.9 9.5 9.1 10.9 9.7	330 330 330 300 280	m/s 10·3 9·2 8·6 11·6 9·7
6 7 8 9 10	280 300 90 300 170	7·3 1·2 4·9 1·2 2·5	280 300 70 310 180	7.6 1.1 6.4 0.8 3.5	290 300 60 300 170	9.6 1.2 6.2 0.5 2.7	300 290 50 310 150	9·7 0·8 6·3 0·7 4·4	310 290 40 200 120	9·4 1·2 6·3 0·9 5·2	310 290 40 300 120	6.9 1.2 7.2 0.4 6.8	310 300 40 310 140	4·3 0·9 7·3 0·6 6·9	320 310 40 100 160	5·1 0·3 7·2 1·0 8·6	340 320 50 80 180	5·8 0·1 6·7 2·4 7·1	20 180 40 80 200	5•7 0•7 6•4 2•6 9•9	20 160 40 30 180	5·3 2·5 5·6 2.0 9·5	30 160 30 320 190	3.9 3.2 5.5 1.6 10.8
11 12 13 14 15	230 300 320 130 150	1.7 6.2 3.3 3.4 4.7	220 300 290 140 150	2.7 6.1 1.5 3.4 5.3	220 290 290 130 150	1.5 5.1 2.0 4.4 5.2	240 300 280 140 160	0.6 4.0 2.0 3.2 5.1	210 300 280 140 150	2.0 3.1 2.0 3.1 5.6	210 280 300 140 150	1·3 4·2 1·1 4·1 5·9	210 280 310 130 150	1·1 3·5 0·5 4·1 5·9	220 310 300 130 150	1.2 6.5 1.4 4.4 5.9	250 310 250 130 150	4.9 5.5 1.9 4.4 5.4	250 320 210 120 150	6.0 7.0 1.4 4.6 5.4	260 330 100 120 160	7.8 6.8 1.6 5.3 6.5	250 320 140 120 160	6·9 6·5 3·9 5·3 7·0
16 17 18 19 20	170 40 60 300 190	3.5 6.0 3.7 1.7 0.9	160 360 60 300 220	3.6 5.0 3.5 1.7 0.8	150 310 50 290 180	2.0 3.6 3.6 1.9 0.6	150 280 60 260	2.6 2.9 3.4 1.5	140 170 50 260	2.5 2.4 2.7 0.6	140 160 40 290 330	2.0 3.8 2.0 2.6 0.5	130 150 30 280 100	2.5 2.9 2.5 2.1 0.2	130 140 30 290 120	4.5 5.7 3.2 2.1 2.8	110 140 40 300 120	4.2 5.8 3.8 3.2 3.2	110 130 30 330 120	4.6 6.4 3.9 2.7 4.0	110 130 40 330 120	4.5 6.8 4.1 2.1 4.1	110 130 40 350 120	5·2 7·4 4·2 1·9 4·2
21 22 23 24 25	90 150 310 310 320	3•2 0•5 3•9 1•6 2•3	90 110 330 300 310	3·2 0·7 3·5 1·9 3·4	90 90 340 290 320	4.2 1.2 2.9 1.5 3.7	100 110 330 280 330	5•6 1•5 3•9 1•1 2•7	100 110 330 290 340	6·1 1·5 4·7 1·5 3·9	110 110 320 310 340	6•4 2•0 5•1 1•1 3•9	120 100 310 320 340	5·4 2·0 6·1 2·1 3·9	150 90 310 320 340	4.8 0.7 5.3 5.0 4.2	180 100 310 320 10	4.5 0.6 6.2 4.9 3.5	170 100 310 320 40	4.8 0.9 6.2 5.5 2.8	170 110 310 330 40	4·2 1·1 7·7 4·6 3·0	170 110 310 340 30	4·4 1·1 8·4 4·8 3·5
26 27 28 29 30	340 340 330 270	1.5 2.1 3.5 2.9 0.0	340 330 330 290 210	2.0 2.5 3.0 3.0 0.2	340 320 320 290 250	2·5 2·4 2·3 4·0 0·7	340 310 320 280 270	2.0 2.2 1.8 3.7 1.1	340 310 310 270 280	2•4 2•4 1•6 2•8 1•4	340 320 320 270 290	3.6 2.1 2.5 2.4 1.1	340 340 300 280 300	3.8 1.6 2.8 2.5 1.8	330 340 310 280 310	5.0 2.5 3.4 3.3 3.1	330 350 300 290 310	5.5 3.4 4.2 5.2 3.3	340 330 320 290 90	4.6 3.4 4.7 5.4 2.7	340 340 320 310 100	4.6 3.8 5.3 6.6 3.7	340 330 320 320 110	4·5 4·1 5·4 6·0 4·4
Mean		3•7		3-9		3.9		3•9		4.0		4.2		4.2		4.8		5•1		5•3		5.7		5•8
Hour G. M. T.	0	- 1	1 -	2	2 -	3	3 -	4	4 -	5	5 -	6	6 -	. 7	7 -	8	8 -	9	9 -	10	10 -	11	11 -	12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

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

MARCH, 1935

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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
0 130 130 150 100 270	m/s 4•7 5•3 8•6 0•8 7•0	0 130 130 150 130 270	m/s 4·4 6·3 8·2 3·2 6·9	0 130 130 150 160 280	m/s 4·7 6·4 7·7 3·9 10·5	0 130 130 160 160 270	m/s 5·0 6·4 7·9 4·3 6·7	0 130 140 160 160 280	m/s 4·7 5·3 7·8 4·2 6·8	0 120 140 160 160 270	m/s 5·4 5·6 7·3 4·7 6·4	0 120 140 160 160 270	m/s 4.6 5.0 6.9 4.2 5.9	0 120 140 160 170 280	m/s 4·8 5·7 6·5 4·7	0 110 140 180 160 270	m/s 4.6 6.7 4.1 6.1 3.9	0 100 150 300 170 270	m/s 3.0 6.5 2.0 7.5 5.1	o 110 140 300 180 250	m/s 4.5 6.9 0.1 7.1 4.5	0 120 140 310 190 250	m/s 6·0 7·3 0·1 5·8 4·5	m/s 3.6 6.1 6.6 3.4 4.3	1 2 3 4 5
280 170 160 120 90	1.8 4.5 4.4 4.8 4.6	270 180 160 120 90	1.8 4.2 4.7 4.0 4.5	290 170 160 120 90	1·4 4·5 5·3 4·0 4·8	110 170 170 120 90	1.9 5.2 5.3 3.4 4.8	130 170 160 110 90	0.9 4.5 4.8 4.2 4.6	120 170 160 90 90	0.4 4.7 5.3 3.6 4.1	180 180 160 100 90	0·7 4·4 5·4 4·8 3·8	200 180 160 100 90	0.6 3.6 5.8 5.5 3.5	190 150 110 80	0.0 3.3 5.7 5.7 4.1	140 190 150 110 80	0.5 3.4 5.5 5.7 4.9	200 190 160 110 80	1·4 2·6 5·4 6·1 4·7	200 180 160 110 70	1·3 3·1 4·7 5·6 4·3	2·3 2·5 4·2 4·7 4·6	6 7 8 9 10
90 110 150 130 130	2.8 2.1 4.4 3.4 4.5	90 120 140 110 130	2·7 2·5 4·4 3·2 4·9	90 110 140 120 140	2.9 2.7 3.5 3.3 5.6	90 120 150 120 160	2.8 3.0 4.2 2.8 5.8	90 120 150 110 160	1.9 3.0 3.8 1.7 5.5	100 130 160 110 170	0.9 2.6 4.3 1.7 5.2	80 140 150 90 180	0.5 2.1 3.8 0.5 2.9	80 140 150 90 200	0.2 2.3 3.5 0.1 1.6	320 160 160 80 210	0.2 2.5 3.8 0.2 1.5	320 150 170 200	1.0 2.8 3.2 0.0 1.4	310 150 170 360 190	2.0 3.6 2.7 0.3 0.9	310 160 160 100 180	1.6 2.0 3.0 2.0 2.3	2.6 2.3 3.5 2.2 3.0	11 12 13 14 15
170 310 180 210 240	3·3 2·1 4·7 3·6 7·4	180 300 160 210 280	3·7 1·9 4·0 4·2 7·1	180 330 170 200 280	2·8 2·7 3·7 2·8 7·6	170 320 180 180 280	3.0 2.4 3.4 3.4 8.0	160 350 170 180 240	2.9 1.5 3.6 4.0 3.5	160 20 180 110 260	2·1 1·0 3·2 2·3 3·6	160 10 170 120 270	1.5 0.3 2.6 1.0 6.9	140 320 190 160 250	1·3 0·8 2·1 2·4 2·9	150 320 190 200 240	1·1 1·5 3·1 2·5 2·4	150 320 180 210 240	0·7 1·1 3·0 1·5 3·1	120 310 170 180 230	0.5 0.9 2.1 0.9 1.8	100 310 190 180 240	0·2 1·3 2·9 2·1 0·5	1.4 1.5 2.5 3.4 4.8	16 17 18 19 20
220 200 300 310 260	3.8 5.4 5.5 4.7 7.0	200 220 320 280 260	5.2 6.1 4.3 3.1 6.9	200 170 310 270 260	4.5 5.6 5.6 2.8 8.1	210 180 330 170 270	4.6 5.5 3.1 3.6 9.5	210 190 330 170 280	5.5 5.2 2.2 3.5 5.6	220 180 300 180 270	3.8 3.6 1.4 1.7 5.0	210 200 240 220 260	4·1 4·7 1·0 1·2 8·2	220 210 260 230 260	4·4 4·0 2·6 2·2 8·1	220 190 270 200 230	3·7 3·3 2·9 2·3 4·1	220 210 250 220 230	4.2 3.9 1.8 3.6 2.7	210 200 260 200 250	2·9 4·1 2·3 3·4 5·4	220 200 250 180 250	2·1 4·1 2·4 4·4 4·3	2·7 3·9 3·3 3·6 5·6	21 22 23 24 25
280 300 310 110 280	11.4 7.0 4.6 2.3 2.8	270 310 300 130 280	10·1 7·9 3·6 2·7 4·4	270 300 290 150 290	10.9 8.1 4.1 3.5 4.6	270 300 320 160 280	11.5 7.3 3.1 4.0 4.3	280 300 330 160 270	9·3 6·0 2·7 4·6 4·0	270 310 320 170 270	8.0 3.5 3.3 4.9 2.8	270 310 310 180 270	8.6 3.2 2.0 4.4 3.2	270 310 300 190 270	6.9 3.3 3.2 3.8 2.7	270 290 300 190 260	7·9 3·7 4·0 3·5 2·0	270 300 300 190 240	9·3 3·6 3·0 4·0 1·9	270 300 300 190 240	8.6 2.9 2.6 3.2 2.1	270 290 300 190 280	7.6 3.2 2.5 3.2 2.0	7·6 6·4 3·4 3·2 2·9	26 27 28 29 30
290	9•4	310	9•0	310	7-7	310	7-0	280	6•5	280	8•3	300	6-1	300	5•9	270	4.0	270	6•1	260	5•9	270	5•1	4•9	31
	4-8		4•8		<u>5•0</u>		4.9	•••	4•3		3•9		3•7		3•5		3•4		3•4		3•3	•	3· 3	3•8	

															•							A	PRIL,	1935	5
o 330 330 310 300 280	m/s 10·4 10·1 8·1 9·9 9·1	330 330 320 300 290	m/s 9·4 10·2 8·0 9·3 10·3	0 340 330 320 290 310	m/s 8·9 10·0 7·9 9·0 10·9	340 340 320 310 320	m/s 8·9 8·2 6·3 6·8 5·3	0 340 330 300 310 310	m/8 9·4 8·5 6·2 7·5 6·1	340 330 300 310 320	m/s 8.0 7.6 7.3 6.2 5.6	0 340 330 300 10 290	m/s 7·3 6·7 5·4 1·6 4·3	330 330 330 300 320 290	m/s 7·0 7·4 5·7 0·9 3·3	0 320 320 310 310 310	m/s 6·0 7·9 5·7 2·5 6·6	330 330 300 310 290	m/s 8.2 7.5 6.1 5.1 4.6	330 330 300 300 290	m/s 6·7 6·5 7·3 8·5 4·8	330 330 330 300 300 290	m/s 7·2 6·7 7·7 7·7	m/s 9·5 8·0 6·7 7·6 8·4	1 2 3 4 5
50 160 30 290 200	3·1 4·7 5·4 3·3 10·2	70 160 20 290 210	2·1 4·6 4·4 3·9 10·6	350 160 20 300 220	2.9 4.4 4.4 4.0 10.6	280 150 30 270 230	2.6 4.1 4.7 3.3 10.4	290 150 20 250 240	3·2 3·8 3·6 2·4 7·4	300 140 30 170 240	2·3 3·5 3·2 1·7 7·1	280 140 10 160 240	1.7 3.2 2.0 1.5 6.8	280 120 340 170 240	1.4 2.7 1.5 1.0 2.8	300 110 330 210 220	1.8 3.3 1.5 2.0 4.0	290 100 300 200 230	1.2 3.2 1.2 1.9 4.8	230 90 300 180 240	1.7 3.1 1.5 2.0 4.2	240 110 300 170 220	1.0 4.5 1.6 3.4 4.4	4·4 2·5 4·6 1·9 6·7	6 7 8 9 10
230 330 150 120 160	6·2 5·5 4·4 6·1 6·2	250 320 160 120 160	4.9 6.3 5.0 6.2 7.3	300 330 160 120 160	5.0 6.5 5.4 6.0 6.7	290 330 160 130 160	5·4 8·1 5·0 4·8 7·0	310 340 140 120 160	8·1 6·8 4·5 4·7 5·7	300 340 150 130 160	8•4 6•0 3•9 4•4 5•5	300 330 140 140 160	7·4 4·9 2·8 4·5 6·1	300 • 310 140 130 160	6·7 2·4 3·1 4·3 6·6	290 310 150 130 160	6.9 1.6 3.5 4.9 4.1	290 310 150 150 180	7•8 2•4 3•5 4•6 2•5	300 310 140 150 180	5-9 2-5 3-0 4-6 3-0	300 310 140 140 180	6.6 3.5 3.0 4.7 3.5	4.9 5.0 2.9 4.6 5.5	11 12 13 14 15
110 120 50 360 120	6.0 8.3 5.0 2.5 4.7	90 110 40 80 120	4.9 8.5 5.2 3.5 4.1	70 100 50 90 120	5·1 7·3 4·9 2·8 4·1	80 90 50 110 120	5·1 6·0 4·0 3·0 3·4	80 80 40 100 110	5•4 6•3 3•6 2•8 3•6	40 70 30 140 120	3·9 6·7 3·1 2·3 3·7	30 70 20 150 120	5.8 5.3 1.2 1.5 4.1	10 60 340 140 120	4.8 4.2 0.7 1.0 4.1	360 60 310 170 120	4.5 4.6 1.3 1.5 4.1	360 60 300 190 120	4.2 4.5 1.8 1.9 3.8	60 60 300 200 110	4.8 4.2 1.8 1.2 4.2	60 60 300 200 110	5•7 3•4 2•1 0•4 3•7	4.2 5.3 3.1 2.0 2.9	16 17 18 19 20
130 110 310 350 40	4·1 1·4 7·5 4·5 3·3	130 90 330 350 30	4.0 2.4 6.4 4.2 3.6	160 90 340 350 40	3.5 2.0 5.2 4.0 2.6	150 80 340 340 40	3.5 2.0 5.0 3.9	150 90 340 340 20	5.5 2.0 5.4 4.3 2.6	150 90 330 350 20	5.0 2.1 5.5 3.7 2.5	170 100 330 360 20	4.5 1.4 5.5 3.0 3.0	160 120 340 340 360	3.0 1.2 3.8 2.8 1.4	150 120 320 310 340	2.6 0.3 1.7 2.0 1.2	150 10 310 310 340	3·1 0·1 1·9 2·3 2·5	150 310 310 310 350	1.5 1.4 1.6 2.0 2.1	140 310 290 320 350	1.0 3.0 1.8 2.3 1.4	4·1 1·4 4·8 3·1 2·9	21 22 23 24 25
350 320 330 320 100	4.6 4.4 4.9 5.9 4.3	360 320 320 320 110	4·1 4·1 5·5 6·2 4·4	350 330 320 320 110	3.5 3.4 4.6 6.3 4.4	360 350 320 330 110	2.9 3.6 4.5 5.5 4.6	10 350 340 350 110	3·1 3·3 3·6 4·0 4·2	20 360 330 340 120	2.6 3.3 3.5 3.5 3.5	20 360 330 350 120	2.6 2.4 2.1 2.9 4.0	10 360 320 330 120	3.0 1.5 1.5 2.1 3.9	350 330 320 340 130	3.0 1.5 1.1 1.6 3.4	340 320 310 350 140	2·3 1·9 1·2 0·5 3·7	340 340 290 100 140	2.0 1.9 1.0 0.1 3.7	340 330 290 240 150	2.5 2.9 1.1 0.1 3.6	3·3 2·8 3·1 3·6 3·0	26 27 28 29 30
	5.8		5•8		5•5		5•0		4•9		4•5		3•9		3.2		3•2		3•3		3•3		3•6	4•4	
12	- 13	13 -	- 14	14 -	- 15	15 -	- 16	16 -	- 17	17 -	. 18 .	18 -	- 19	19	- 20	20 -	- 21	21 -	. 22	22 -	- 23	23 -	- 24	Mean	Day

WIND: DIRECTION AND SPEED

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

143. ABERDEEN: Dines Pressure Tube Anemometer from Jan. 1935. Ha (height of anemometer above M.S.L.) = height of ground above

Hour G. M. T.	0 -	. 1	1 -	- 2	2 -	- 3	3 -	- 4	4	- 5	5 -	- 6	6	- 7	7	- 8	8 -	- 9	9 -	- 10	10 -	. 11	u.	- 12
Day 1 2 3 4 5	0 140 190 230	m/s 3·7 1·8 0·4 0·0 1·7	o 150 190 280 60 190	m/s 3·9 1·2 0·2 0·2 0·7	o 150 190 280 160 180	m/s 3.5 1.2 0.1 0.1	0 150 210 260 100 160	m/s 3·7 1·0 0·3 0·2 0·7	o 150 190 280 120 150	m/s 4.2 0.6 0.5 1.0	0 160 180 300 110 160	m/s 4·7 0·6 0·6 0·5 1·1	0 170 180 310 160 150	m/s 4.5 1.8 0.2 1.1	0 180 260 180 170 170	m/s 4·9 0·4 0·6 1·6 0·7	0 180 210 180 170 100	m/s 5·7 0·8 2·6 2·4 1·4	0 170 180 180 180 110	m/s 6·3 2·0 2·5 4·6 2·3	0 170 180 170 180 110	m/s 7·1 3·3 2·0 4·4 2·2	0 170 180 140 170 110	m/s 7·3 4·3 2·3 4·7 2·4
6	320	1.4	310	1.8	310	1.7	310	1.3	320	0.2	330	1.4	330	2.0	330	3·3	310	3.5	310	3.0	340	2.6	110	2•7
7	310	1.3	300	1.7	300	2.0	310	1.3	320	1.7	340	2.5	330	4.0	330	5·2	320	5.5	330	5.7	340	4.5	340	4•6
8	300	1.0	310	1.9	300	1.7	300	1.5	300	1.6	300	1.3	310	1.2	310	0·6	170	0.5	110	1.9	110	2.8	110	3•3
9	310	0.6	310	0.6	330	0.5	320	0.7	310	0.8	310	1.0	300	1.0	310	1·5	360	0.9	60	1.3	60	1.8	80	2•7
10	310	0.5	300	0.8	290	0.9	300	1.2	310	1.1	310	1.1	320	1.3	360	1·9	350	3.0	40	3.3	50	3.1	50	3•5
11	320	0.8	310	1.1	300	1.6	290	2·3	300	1.9	300	1.7	300	1.7	310	2·2	340	3.6	330	4·3	340	4.9	340	5·1
12	340	5.5	340	3.9	340	4.3	340	5·1	330	4.8	340	5.4	330	6.2	350	5·7	340	6.0	340	6·7	340	6.1	340	6·4
13	310	2.0	320	3.4	330	4.6	330	4·0	320	2.7	290	2.4	290	4.2	300	5·8	300	6.2	300	5·0	280	4.4	260	3·3
14	320	3.5	320	4.8	330	4.4	330	4·6	350	4.9	350	5.1	340	4.1	10	5·1	20	7.1	20	7·2	30	6.7	40	6·9
15	(300)	0.3	220	1.4	210	2.0	210	2·8	220	4.4	220	5.0	200	5.9	200	6·8	210	6.3	210	5·5	210	4.9	210	5·5
16	340	6•8	340	6·7	340	7·2	330	7.8	330	5•4	320	7.0	330	7•7	330	7.6	320	8·1	320	8·3	330	8·5	330	8·2
17	310	3•5	300	2·5	310	3·5	300	3.0	300	5•0	280	5.2	290	5•9	290	7.6	290	7·1	300	6·5	320	5·5	330	7·0
18	330	7•4	330	7·9	330	7·0	330	6.3	320	5•4	330	5.0	350	3•6	340	5.0	360	3·2	360	4·5	10	3·3	40	2·9
19	160	2•6	150	2·3	150	2·4	150	1.8	140	2•0	140	2.5	130	2•7	120	3.4	110	3·0	90	2·7	80	3·1	80	3·9
20	80	6•2	90	5·5	90	4·7	90	3.2	70	3•0	70	2.3	40	2•0	30	2.7	30	3·0	40	4·5	40	4·8	40	5·7
21 22 23 24 25	350 300 350 320 350	2.4 1.2 1.7 1.5 2.0	340 300 340 320 340	2.9 1.4 1.9 2.2 2.6	330 310 340 310 350	2·3 0·9 2·0 2·2 1·9	320 340 330 320	1.6 2.2 1.5 2.2	320 300 330 310 310	1.9 0.5 2.1 1.9 2.1	320 290 340 300 320	1.6 1.1 1.6 2.5 1.8	340 300 360 300 320	3·1 1·0 1·0 2·4 2·0	350 300 10 40. 350	3·4 0·6 1·3 2·7 2·2	330 31.0 30 10 360	3·2 1·4 1·6 3·0 2·3	350 310 50 40 40	3·2 2·4 2·4 3·5 3·2	10 330 50 50 50	2.9 1.9 4.0 3.5 4.5	360 100 50 50 50	2.5 1.0 3.2 3.4 4.6
26	360	2·4	350	3.0	10	2.0	340	2.7	340	2·3	350	2·3	10	3.0	340	3·3	10	3·4	360	3.6	10	3.5	40	3·8
27	340	2·4	330	2.2	330	2.8	320	2.6	320	2·1	340	1·5	30	2.3	40	2·4	40	2·3	40	2.5	50	2.5	50	2·4
28	290	0·2	310	0.2	310	0.3	310	0.2	10	0·2	40	0·3	40	0.8	50	0·7	80	0·8	70	1.2	100	1.4	100	1·6
29	120	0·4	130	0.5	150	0.6	170	0.5	120	0·7	130	0·6	130	0.8	120	1·0	100	1·4	110	1.4	120	1.9	100	2·0
30	30	0·5	50	0.5	10	0.5	10	1.1	340	1·3	350	1·2	340	1.5	350	1·4	350	1·9	350	1.8	10	2.1	50	2·5
31 Mean	320	2.2	310	2.3	320	2.3	320	2.2	320	2.2	320	2.3	360	2.6	360	2·0 3·0	40	2·5 3·3	50	3.1	60	3.0	60	3·7 4·0

144. ABERDEEN: $H_a = 24$ metres + 13 metres

		`																						
Day 1 2 3 4 5	350 120 100 100 60	m/s 0·4 1·3 2·0 1·9 4·2	360 110 100 110 70	m/s 0.6 1.6 2.3 2.0 5.8	0 20 140 90 110 60	m/s 1·2 0·7 2·6 1·8 4·8	0 20 100 90 100 60	m/s 1·2 1·7 2·8 2·3 5·1	340 110 90 100 60	m/s 0.6 1.2 2.8 2.5 4.1	300 100 90 100 60	m/s 0·7 1·6 2·5 2·5 4·9	0 340 100 100 110 60	m/s 0.6 1.8 3.3 2.6 4.9	50 100 70 100 60	m/s 1·3 2·3 2·1 2·7 4·5	40 110 70 100 60	m/s 1·2 2·4 2·2 2·8 5·2	80 130 80 90 50	m/s 1.6 3.1 2.3 3.3 5.4	80 110 60 100 50	m/s 2·0 2·8 2·1 3·6 5·3	80 110 70 100 50	m/s 2·9 3·1 2·5 4·1 5·4
6 7 8 9 10	30 170 240 220 170	4.8 4.8 3.2 1.2 1.2	40 180 220 230 150	4·4 5·1 2·2 1·9 1·8	40 180 230 230 150	4·1 4·3 1·8 2·0 1·4	40 180 210 230 160	4·1 3·2 2·9 1·8 1·4	200 210 230 160	3.7 2.6 4.1 1.0 3.4	40 190 220 220 170	3·3 2·6 5·1 1·3 3·5	40 180 220 210 170	2.5 3.3 4.4 1.2 4.0	30 180 230 170 150	1.3 5.1 3.3 1.8 4.1	60 180 270 240 140	0·4 4·2 3·1 2·7 2·7	100 170 290 180 120	0·4 3·7 4·7 4·4 3·3	110 170 300 160 130	0·7 4·3 6·5 6·7 3·7	100 170 290 160 130	1.2 4.6 6.9 7.2 4.9
11 12 13 14 15	90 200 200 210 150	1.3 4.6 1.0 1.5 1.0	120 200 200 200	1.7 3.8 1.0 0.0 0.1	130 180 220 60	1·1 3·4 0·5 0·0 0·6	150 180 180 80	1.7 4.3 0.9 0.0 0.8	160 170 170 200 100	2.2 2.5 1.5 0.9 0.5	170 210 180 200 60	2.0 3.5 2.7 1.0 0.1	170 210 180 170	1·3 5·0 4·0 3·1 0·0	190 200 190 150 60	2.0 4.0 4.3 3.9 0.3	180 200 170 110 90	2·1 4·4 3·6 2·6 1·0	160 210 180 70 100	2.6 4.2 5.0 1.4 0.6	90 210 180 100 100	2·0 4·4 6·2 1·0 0·7	160 210 190 120 110	5·1 4·8 5·7 3·1 1·6
16 17 18 19 20	290 340 140 190 150	0·7 3·4 2·2 0·7 5·0	300 340 150 190 160	0·4 1·7 1·7 2·2 4·7	320 320 140 200 150	0·4 1·3 1·2 1·7 3·7	310 330 120 200 140	1.2 2.1 1.7 0.3 4.7	310 320 120 200 140	1·7 2·7 2·0 0·5 5·0	310 320 120 220 140	1.7 3.0 2.5 1.0 5.0	310 320 140 140	2·4 3·1 2·5 0·0 5·2	310 330 130 160 150	2·5 4·0 2·7 1·6 5·1	310 330 110 170 150	3·3 4·1 2·7 4·8 6·0	330 330 110 160 160	2·7 3·4 3·3 5·7 4·7	320 320 110 160 160	2·0 3·2 3·4 5·6 3·6	90 310 110 160 170	1.6 4.0 3.3 6.1 5.0
21 22 23 24 25	190 190 40 340 320	0·3 1·9 0·3 1·3 3·7	200 180 360 340 310	0.8 0.8 4.0	160 120 360 350 310	0·7 0·6 1·1 0·8 4·3	170 170 350 30 310	1.6 0.3 0.7 0.6 4.8	160 180 340 330 310	1.6 2.9 2.7 2.3 4.7	160 180 330 330 310	2·1 3·8 2·1 3·5 4·6	180 170 330 320 320	5·2 2·0 2·4 4·4 4·1	180 160 350 310 320	6.6 2.8 2.3 4.0 3.7	160 180 340 320 320	5·2 3·9 1·7 3·3 4·4	170 180 60 60 320	5•7 4•7 1•3 2•3 3•8	170 170 80 50 320	6·4 5·2 1·1 2·5 3·2	180 170 90 60 330	6·7 4·4 0·8 2·3 2·3
26 27 28 29 3 0	320 190 260 120	1.5 1.1 0.1 0.0 0.1	340 180 200 300	0.7 2.3 0.4 0.0 0.1	100 200 210 300 190	0.4 1.8 1.1 0.1 0.5	190 200 200 170	0.0 1.2 0.6 0.3 0.5	320 180 220 190 200	0·1 1·5 2·0 1·1 0·7	180 220 180 220	0.0 1.8 1.8 1.3 0.2	30 180 250 180 300	0.2 2.9 2.1 2.8 0.1	110 180 260 170 50	0.6 4.7 2.3 2.3 0.6	100 180 290 170 20	0.2 4.8 5.1 4.1 0.6	110 180 320 170 50	1.2 5.4 5.0 4.7 1.2	120 180 310 170 90	2.6 5.7 4.1 5.9 0.3	160 170 330 170 40	1-8 4-6 1-2 7-0 2-7
Mean		1.9		1.8		1.7		1.8		2.2		2•4		2-7		3.0		3-2		3-4		3•6		3-9
Hour G M. T.	0 -	- 1	1	- 2	2	- 3	3 .	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	- 9	9 -	- 10	10 -	. 11	11	. 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

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

MAY, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17.	17	- 18	18	- 19	19	- 2 0	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
o 170 170 150 170 110	m/s 8·1 4·4 3·0 5·4 2·5	0 170 180 170 170	m/s 8·3 5·0 2·6 5·7 3·0	o 170 170 170 160 120	m/s 8·1 5·1 2·6 4·8 3·2	0 170 180 170 170	m/s 8·1 4·1 3·3 4·8 3·3	0 180 180 170 170 120	m/s 6·6 3·9 3·0 5·1 2·6	0 180 180 170 170 90	m/s 5·7 3·5 2·9 5·3 1·4	0 170 190 170 170 350	m/s 5·4 3·9 1·8 5·1 0·5	0 170 200 180 170 360	m/s 4·2 4·4 2·3 5·3 0·2	0 180 200 180 170 330	m/s 4·3 3·7 2·2 4·7	0 190 190 190 170 310	m/s 3·4 0·9 0·5 4·4 3·6	0 190 210 190 170 310	m/s 3·1 0·6 0·3 3·2 2·2	0 190 200 170 300	m/s 2.0 0.2 0.0 2.7 2.0	m/s 5·3 2·4 1·5 3·2 1·7	1 2 3 4 5
100	2·7	100	2.7	110	2.5	120	2·4	120	2.2	150	1.9	160	1.6	170	1·1	140	0.2	350	0·1	340	0.5	320	0.4	1.8	6
350	4·6	360	3.6	360	4.0	340	4·2	360	3.4	40	2.5	30	2.6	360	1·2	350	0.5	310	0·7	310	1.2	310	1.0	2.9	7
110	2·7	110	2.6	110	2.0	100	1·7	90	2.0	80	1.6	40	0.7	40	0·7	10	0.5	30	1·9	350	1.3	350	0.6	1.6	8
70	3·2	70	3.0	70	2.5	80	2·3	80	1.6	80	1.9	100	1.1	70	0·3		0.0	300	0·5	310	1.0	310	0.5	1.3	9
50	4·5	50	4.8	50	4.3	50	3·6	40	2.7	40	2.8	30	2.5	30	1·4	20	0.9	350	0·9	320	1.5	310	0.9	2.2	10
340	5.2	340	5-6	340	4.9	10	4.6	360	4.0	360	4.6	10	4.0	350	3.6	330	2.6	330	2.5	340	5·1	340	5•4	3.5	11
340	6.8	330	7-1	330	7.3	330	6.9	350	6.3	350	5.4	350	4.4	350	3.5	340	4.2	340	3.8	320	3·2	330	2•6	5.3	12
260	0.5	100	0-7	90	0.8	50	0.8	20	0.8	360	1.2	310	1.8	310	3.3	320	3.6	330	3.4	320	3·4	330	3•2	3.0	13
40	7.1	40	6-4	40	5.9	40	5.5	50	5.1	40	3.6	40	2.6	20	1.1	340	0.5	(320)	0.9	(310)	0·9	(300)	0•9	4.4	14
210	5.9	200	4-8	320	7.0	320	11.2	320	13.0	340	13.2	340	12.1	340	11.0	340	10.1	350	8.3	350	8·4	340	8•6	6.9	15
330	7.5	300	6.5	320	5·1	310	3·7	290	1.5	290	1.6	300	2.7	300	3·1	300	3.9	310	3·1	300	2.5	310	2·3	5.5	16
340	7.7	340	8.5	330	8·2	340	5·4	360	5.5	350	7.7	330	9.4	330	9·3	330	8.4	330	7·5	330	7.9	340	7·7	6.5	17
30	3.3	50	4.0	60	3·9	70	4·3	80	3.6	90	2.3	110	2.4	120	2·6	140	2.6	160	3·0	150	3.1	160	2·5	4.1	18
90	4.0	70	4.3	50	4·1	50	4·2	50	4.0	30	3.8	30	4.3	30	5·0	40	5.0	50	5·0	70	6.1	70	6·4	3.7	19
40	6.0	30	6.0	30	6·1	40	5·8	30	5.8	30	5.2	30	4.1	360	3·1	350	2.9	350	2·9	350	2.4	350	2·2	4.2	20
60 50 50 60 50	3·3 1·5 3·2 4·0 4·9	70 100 40 60 50	4.5 0.9 3.8 4.5 5.1	90 110 30 60 50	3·4 0·8 3·8 4·1 5·0	100 110 50 50 50	2·8 1·0 3·8 3·9 5·4	110 40 50 50 50	2.6 2.5 3.2 3.8 4.8	100 40 40 40 40	2·1 3·0 3·3 3·8 4·0	110 30 40 40 30	1.5 2.0 3.5 3.2 4.0	30 30 40 360	0.9 1.5 1.6 3.0 3.5	110 360 360 10 10	0.5 0.9 0.6 3.0 3.2	230 360 40 10 10	0.5 1.3 0.8 2.1 3.1	230 360 340 360 350	0·1 1·9 0·5 1·8 2·9	310 340 310 350 360	0.5 1.7 1.0 1.9 3.1	2·2 1·4 2·3 2·9 3·3	21 22 23 24 25
50	4.8	50	5·3	50	5.5	50	5.0	40	4.7	40	4·1	30	4·3	10	2.6	360	2·1	10	2·1	350	2·3	10	1.9	3·3	26
50	2.4	70	2·7	70	2.6	80	2.0	70	1.5	70	1·3	100	0·5	100	0.6	40	0·1	80	0·1	50	0·1	20	0.1	1·7	27
100	1.9	110	2·0	120	2.0	110	1.9	110	1.8	100	1·5	110	1·1	100	1.2	90	0·9	110	1·0	120	0·4	120	0.7	<u>1·0</u>	28
100	2.5	100	2·5	100	2.2	110	2.0	100	2.0	100	1·6	50	1·4	100	1.5	90	1·0	110	0·3	110	0·9	70	0.3	1·3	29
60	3.0	60	2·8	50	3.6	50	4.2	50	4.2	50	4·3	40	3·3	30	2.7	10	1·4	330	0·9	310	1·2	310	1.3	2·1	30
50	3·3 4·2	50	4·1 4·3	60	4.2	60	4•6 4•1	60	3•0 3•8	60	2·7 3·5	60	2.3	60	2.8	40	2.5	40	2.0	40	2.3	350	0·5 2·1	2•4 3•1	31

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70 120 70 90 40	m/s 2·2 3·5 3·1 3·9 5·7	0 70 110 80 90 40	m/s 1.5 3.9 2.8 4.0 6.1	80 120 70 90 40	m/s 1.5 4.0 2.5 3.5 5.8	0 100 120 80 80 40	m/s 1.9 3.4 2.3 3.7 5.9	90 120 90 80 40	m/s 2.0 3.4 2.1 3.4 5.7	80 110 90 70 40	m/s 1.9 3.2 1.6 4.3 5.6	70 120 90 70 40	m/s 1.5 2.9 1.6 4.1 4.9	90 110 100 70 40	m/s 1·9 2·7 1·7 3·4 4·3	0 100 100 100 70 30	m/s 1.5 2.2 1.8 3.6 4.2	80 110 100 60 30	m/s 1.6 2.3 1.0 4.5 4.5	90 120 100 60 30	m/s 1.5 2.6 1.5 3.6 4.1	0 110 100 90 60 40	m/s 1.6 2.5 1.6 4.2 4.4	m/s 1.5 2.5 2.2 3.3 5.0	1 2 3 4 5
110 180 290 170 120	2.6 4.2 7.2 7.1 5.3	120 180 300 170 120	3·2 4·5 6·7 7·3 5·2	150 180 300 170 110	4·4 5·0 6·4 7·7 4·4	160 160 300 170 110	3·3 4·7 6·3 6·9 4·4	150 170 300 160 110	4·4 6·1 7·6 5·9 5·1	130 180 310 160 90	3.0 3.2 6.2 4.1 3.7	130 180 310 170 80	2·1 3·0 5·2 4·0 3·7	140 180 310 170 90	2.6 2.9 3.6 4.1 2.8	140 180 330 170 90	3.6 3.1 1.7 3.5 3.0	140 210 300 170 100	3.5 2.4 1.2 1.2 3.0	140 210 260 170 110	3.5 2.0 1.6 1.7 1.9	140 230 280 170 90	4·4 3·0 0·5 3·1 0·6	3.0 3.8 4.3 3.7 3.3	6 7 8 9 10
160 210 220 100 110	6.8 5.6 3.8 3.6 2.3	150 180 190 110 170	8.0 5.5 4.3 3.8 2.7	150 170 170 100 200	7·4 6·3 5·2 2·7 2·2	140 180 300 110 190	7.0 5.4 2.1 2.3 2.1	150 180 100 140 170	7·1 5·5 2·3 3·4 1·6	160 180 90 150 120	6.5 4.2 2.0 2.6 2.4	150 190 120 150 160	5.8 3.0 1.2 3.1 3.0	150 210 110 140 170	5.8 1.5 0.2 2.1 2.3	160 210 130 150 200	5.9 2.0 1.0 3.2 2.3	170 220 200 170 200	5.8 2.0 0.6 1.6	160 210 220 120 220	6·1 2·2 1·6 1·7 1·3	170 210 230 160 250	6·4 1·4 1·5 0·7 0·8	4·3 3·9 2·6 2·1 1·3	11 12 13 14 15
110 320 110 160 180	2-6 3-3 3-3 6-3 5-6	170 330 110 160 180	3·1 2·3 3·7 6·6 5·6	160 120 110 160 170	2.5 3.3 3.2 5.2 2.5	170 140 110 160 180	1.6 2.7 3.1 6.9 3.2	190 110 110 170 160	2·4 2·0 3·2 6·4 3·3	210 130 130 160 180	1.6 2.1 2.1 6.7 3.5	300 140 130 160 210	0·1 1·7 1·6 4·9 2·3	300 110 130 150 200	1·4 2·1 1·7 3·5 1·1	310 120 160 160 220	2.2 2.5 1.7 4.2 1.6	350 130 160 160 260	1.3 1.9 1.3 4.3 1.3	340 140 170 160 250	1·1 1·7 0·8 3·4 1·4	330 150 170 160 250	1.9 2.1 0.6 4.4 0.2	1.8 2.7 2.3 3.9 3.7	16 17 18 19 20
180 170 100 70 40	6.0 4.0 0.8 1.6 2.1	190 150 100 90 50	5·3 4·1 1·5 1·3 1·9	190 170 100 50 40	6.0 5.6 2.2 1.3 1.8	210 170 90 60 40	3.9 5.2 1.6 1.5 1.5	180 160 60 60 60	5•2 5•5 1•2 2•1 2•0	170 170 30 40 30	6·4 4·2 0·6 1·6 2·1	180 170 40 30 40	4.3 2.6 1.6 1.1 0.6	160 180 30 330 20	1.0 3.2 1.4 1.9 0.7	210 180 20 350 30	1.3 4.7 0.7 1.5 0.8	180 200 40 330 50	0.5 2.8 1.0 2.4 0.1	200 170 360 320 20	0.6 1.5 0.2 3.7 0.2	200 200 10 320 330	1.5 0.3 0.3 3.7 1.4	3.5 3.2 1.3 2.2 2.6	21 22 23 24 25
160 160 130 170 40	3.6 2.9 2.8 5.7 1.9	170 190 130 170 60	4·1 3·6 4·1 6·2 1·3	180 210 130 160 60	2.5 3.7 4.5 5.7 1.9	170 210 120 170 80	2.4 3.0 3.6 6.1 1.8	170 210 120 170 90	2·1 4·5 3·2 5·4 1·4	160 250 110 180 90	2·3 4·8 1·9 5·0 1·1	170 250 80 180 100	3.7 2.6 1.6 4.2 0.4	180 250 70 180 100	3.0 2.3 1.0 3.5 0.1	180 270 70 190	2•3 1•6 0•4 3•2 0•0	180 210 50 190 80	1·1 0·2 0·1 1·3 0·1	200 250 190 100	1.2 1.4 0.0 0.9 0.4	210	0.6 0.2 0.0 1.0 0.0	1.6 2.9 2.0 3.2 0.7	26 27 28 29 30
	4.0		4.1		4.0		3•7		3.9		3•3		2.7		2.3		2•4		1.9		1.8		1.8	2•8	
12 -	12 - 13		13 - 14		14 - 15		15 - 16		16 - 17		17 - 18		18 - 19		19 - 20		20 - 21		21 - 22		22 - 23		- 24	Mean	Day

138

145. ABERDEEN: Dines Pressure Tube Anemometer from Jan. 1935 Ha (height of anemometer above M.S.L.) = height of ground above

	Γ				T			****							T				<u> </u>		·			
Hour G. M. T.	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 1 2 3 4 5	0 130 290 210 260	m/s 0.0 0.4 2.4 1.9 3.4	0 170 300 280 210 270	m/s 0·1 0·1 2·2 0·9 2·7	210 260 210 270	m/s 0.0 0.2 1.0 1.7 3.6	210 300 220 270	m/s 0·0 0·7 1·4 2·5 2·0	o 170 210 290 210 240	m/s 0·1 0·2 1·7 1·0 2·1	0 110 280 260 270	m/s 0.5 0.0 1.4 5.0 3.5	0 110 270 260 280	m/s 0·5 0·0 3·5 8·7 4·3	0 120 110 280 260 280	m/s 0.9 0.2 3.6 6.5 6.9	0 110 100 280 270 290	m/s 0.8 0.1 2.6 8.2 9.3	0 110 40 160 270 290	m/s 0.9 0.1 3.6 8.6 7.2	0 110 250 170 280 290	m/s 0.5 1.5 5.2 9.1 7.7	0 100 300 150 280 290	m/s 0·1 1·1 5·1 9·1 7·0
6 7 8 9 10	290 190 180 180	3.5 0.0 2.1 3.2 0.7	290 310 190 170 180	4.0 0.1 1.5 3.0 0.5	280 170 180	4.2 0.0 0.0 3.4 1.6	290 310 170 190	3.3 0.6 0.0 1.6 1.8	290 310 170 170 170	3·3 Q·6 O·1 1·9 3·0	290 180 170 190	3.6 0.0 0.7 1.4 3.8	300 200 180 170 200	5.6 0.1 0.9 2.2 5.0	320 80 170 170 200	5.0 0.2 1.6 1.6 5.8	290 90 170 160 190	3.8 0.5 2.0 1.2 3.4	300 160 160 130 200	4.0 1.5 3.2 1.8 2.6	330 150 160 160 210	3.7 2.2 3.4 3.0 3.0	330 160 170 160 200	3.6 3.6 4.8 4.8 2.0
11 12 13 14 15	200 180 320	0.0 2.7 4.3 0.0 1.4	190 180 350 320	0.0 2.5 5.0 2.5 1.0	190 190 340 150	0.0 1.3 3.3 3.4 0.6	190 190 330 170	0.0 1.2 2.5 3.6 0.8	250 190 180 330 190	0.6 1.9 2.5 4.1 0.7	270 180 170 330 220	0.6 2.5 1.6 4.6 0.5	300 190 170 320 30	1.7 3.7 1.4 5.0 0.4	310 180 120 330 100	2.5 4.2 1.0 4.9 0.5	30 180 170 330 110	1.7 4.7 3.2 4.2 0.4	100 190 160 330 170	1.7 5.0 2.6 3.6 2.0	90 170 180 330 180	(2·2) 5·6 3·1 3·5 3·4	100 180 170 340 180	(3·1) 6·4 3·7 4·5 4·6
16 17 18 19 20	250 320 270 300 130	1.2 1.5 0.9 1.4 3.4	260 300 280 310 100	1.2 1.0 0.4 1.6 3.7	230 300 280 280 120	2.0 1.7 0.4 0.7 2.1	230 290 290 300 190	1.7 2.4 0.9 2.2 1.8	220 290 270 310 200	0.6 1.1 0.4 2.4 1.3	210 280 240 320 220	0·7 2·5 0·5 1·0 3·3	150 290 270 230 240	0.5 3.2 0.9 1.1 2.6	190 290 240 260 250	1.0 3.6 2.0 1.3 3.0	160 290 270 320 270	1.8 3.7 2.2 1.0 4.0	170 280 240 140 290	2.0 2.3 1.8 2.6 5.2	40 290 220 170 290	2.0 1.4 2.7 4.0 6.6	280 130 50 150 300	1.8 2.0 2.4 4.0 6.7
21 22 23 24 25	290 300 210 300 270	7.6 1.1 3.3 1.5 2.5	290 300 200 290 260	7·3 1·4 2·7 2·9 2·0	290 310 190 290 280	8.0 0.7 2.0 2.0 1.0	290 310 190 250 220	7.8 1.4 2.1 0.7 1.1	290 290 180 290 240	7.7 0.6 2.3 0.3 1.0	290 210 200 230 220	8·5 1·3 3·0 1·0 1·5	290 190 200 230 220	8.6 2.1 4.1 1.6 1.5	300 180 190 230 - 260	8.9 3.8 5.0 1.7 1.1	300 180 190 290 210	7·4 3·7 4·1 3·5 1·4	310 190 170 300 260	8.5 4.1 4.0 3.7 1.6	310 180 150 320 250	9.0 4.0 4.0 3.0 1.8	310 200 220 140 300	7.2 3.8 5.2 2.6 3.1
26 27 28 29 30	320 210 250 300 320	2.7 5.4 3.2 5.7 5.7	320 210 250 300 320	1.9 2.6 3.7 6.1 4.7	320 210 240 300 320	1.2 3.3 2.7 5.3 4.0	270 210 260 310 320	1·3 2·4 4·3 5·3 4·4	240 220 270 310 310	1.0 2.4 5.0 6.3 4.2	260 190 280 310 310	1.2 2.8 6.1 6.2 5.0	270 170 280 310 320	1.6 2.2 8.5 6.9 6.2	280 150 290 310 320	2.9 2.4 8.5 6.8 6.5	300 230 290 320 330	2.6 3.3 8.3 7.5 6.9	310 230 300 320 340	1.9 3.3 9.3 7.1 7.1	290 200 290 320 340	2.5 3.1 6.8 8.8 6.6	170 210 300 320 330	4.9 2.0 6.6 8.2 6.4
31 Mean	320	2•4	310	2-3	310	2•0	300	2.0	320	2.0	210	2-4		3•1		3•4		3.5	190	3.7		4•0		4•3

146	ABERDEEN:	H.	=	24	matres	+	13	metres
140.	ADEADEEN:	па	_	24	metres	~	T)	metres

												,			,									
Day 1 2 3 4 5	0 320 320 (270) 230 230	m/s 0.8 1.9 1.4 0.5 2.0	310 320 240 240	m/s 1·1 2·0 ··· 0·3 1·8	0 300 320 (290) 200 310	m/s 1.2 1.0 0.9 0.7 0.6	0 290 320 (290) 210 300	m/s 1.2 1.4 0.8 1.1	290 320 180 290	m/s 1·7 1·5 0·3 0·6	0 300 320 290 110 260	m/s 1·2 1·7 1·2 0·4 0·3	310 320 320 320 240 310	m/s 1.5 2.2 1.5 0.3	320 320 310 350 110	m/s 1·1 3·2 3·1 0·3 0·4	320 330 320 320 300 110	m/s 0.9 2.8 2.2 0.7	0 100 330 240 270 100	m/s 1·1 1·7 1·8 1·8 1·1	0 110 340 110 260 110	m/s 2·2 1·3 3·8 1·0 1·3	0 120 120 130 300 120	m/s 2.8 2.7 4.6 2.0 2.0
6 7 8 9 10	300 320 190 330 220	1.1 0.3 0.3 0.1 3.3	310 320 260 310 210	1·1 0·4 0·6 0·3 2·6	320 260 320 200	1.0 0.5 0.0 0.1 2.9	320 310 230 310 200	1.7 0.1 0.3 0.7 2.0	320 220 220 310 190	1.1 0.4 0.4 0.3 2.6	320 250 150 310 170	0.9 0.1 0.7 0.5 2.6	330 210 330 210	0.7 0.0 1.2 0.4 1.0	100 50 210 310 210	0.9 0.2 2.2 0.5 2.9	110 90 200 200 220	1.8 0.6 2.0 0.8 3.5	110 80 180 160 220	2.6 1.3 2.2 1.2 5.1	150 120 340 170 210	3·5 2·8 0·7 2·5 7·1	160 150 40 170 210	4.0 3.7 0.9 4.1 6.4
11 12 13 14 15	210 300 270 330	0·1 2·3 1·4 0·0 1·6	80 310 300 260 320	0·3 2·3 1·9 0·1 0·7	310 320 280 230 300	0.5 2.8 2.0 0.8 0.9	230 310 300 220 310	4·1 3·0 2·0 1·2 0·5	220 310 300 240 250	6.0 1.9 2.1 1.7 0.5	230 310 240 270 250	5.5 1.9 1.7 2.0 0.4	220 310 240 260 260	6·9 2·9 2·9 2·0 0·7	220 310 240 270 280	6.4 4.1 3.4 2.0 0.9	310 320 250 290 270	4.8 6.0 3.1 2.3 2.1	330 320 280 290 290	6.0 5.8 3.2 1.9 2.3	340 320 270 270 260	5.5 6.2 2.6 0.9 2.0	330 330 290 100 230	4.6 6.1 2.3 0.5 2.2
16 17 18 19 20	260 160 150 170 200	0•4 0•7 3•6 0•2 1•0	270 150 150 340 220	0·4 1·3 2·7 0·2 3·0	270 150 160 330 200	0.2 1.4 2.5 0.4 1.8	150 160 (30) 200	1.9 2.2 0.1 1.4	250 150 160 210	0.9 1.9 2.5 0.0 2.7	260 140 180 210	0.8 2.3 2.1 0.0 3.6	260 130 180 300 180	0.5 2.9 2.6 0.1 2.8	330 130 190 320 170	0.2 3.4 2.0 0.1 2.7	170 140 170 310 180	0.4 3.6 2.3 0.1 3.5	110 150 170 110 190	1.5 4.9 3.0 1.4 4.6	120 150 130 110 170	3.0 5.5 2.3 2.0 4.9	120 150 160 130 150	3·4 4·7 3·3 2·3 4·9
21 22 23 24 25	180 230 100 60 330	4.0 1.9 0.2 0.2 2.0	180 210 190 50 330	2.6 1.3 0.1 0.3 1.6	180 260 190 320 340	2·3 1·0 0·4 0·6 2·0	180 300 200 340 330	4.4 0.8 1.1 0.8 2.0	180 120 210 340 320	4·1 0·4 1·3 0·6 1·7	180 300 220 320 310	4.2 0.8 0.3 0.8 0.9	180 310 100 320 320	3.6 0.4 0.2 0.9 1.0	180 170 230 330 340	2-4 0-9 0-5 0-4 1-5	160 170 210 100 340	3.0 2.7 1.0 0.4 1.6	150 160 100 90 350	3.8 3.4 1.1 1.9 1.6	160 150 110 100 70	7·1 3·9 1·8 1·6 1·5	170 130 120 100 100	7.6 3.8 2.5 1.7 1.6
26 27 28 29 30.	200 350 310 220 250	3.5 3.5 1.7 4.6 3.2	200 340 310 210 250	3.5 4.7 1.9 4.9 3.8	190 340 310 200 230	5·3 5·3 2·2 5·1 2·7	200 310 310 180 250	5.5 5.4 1.9 4.0 4.6	180 310 310 170 250	5.7 4.3 2.0 5.6 3.8	200 310 310 160 190	6.2 3.6 2.1 5.0 1.5	200 310 310 170 200	6·8 3·3 2·3 4·6 3·4	220 300 320 190 200	5·1 3·4 3·4 3·9 3·0	210 290 330 190 190	5•6 3•3 4•5 4•1 3•8	210 320 330 140 210	5.0 3.6 6.0 4.4 2.7	210 330 330 140 180	3·2 3·2 7·3 4·2 3·5	290 330 330 120 170	3·7 2·9 7·4 3·6 4·2
31	180	2.9	170	2.3	180	2.0	170	1.8	160	2.5	180	1.1	180	0•4	180	1.8	180	1.8	170	1.7	160	1.5	170	2.2
Mean		1.6		1.6		1•6		1.9		2.0		1.8		1.9		2.1		2•4		2•9		3.5		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	n.	12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

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

JULY, 1935

10	12	12	14	14	- 15	15 .	16	16	- 17	17 -	10	10	- 19	10	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
12.	- 13	13 .	- 14	14	- 19	10.	- 10	10	- 1/		- 10	10	- 15	13	- ~0	20	- ~-	~	- ~~	~~	- 20		_ ~-	Model	
0 100 100 150 280 300	m/s 0·2 1·2 6·3 9·2 7·5	0 100 130 150 280 310	m/s 0.6 0.8 6.6 7.6 6.6	0 160 120 180 270 320	m/s 1·2 0·8 6·5 6·6	0 170 40 200 280 310	m/s 2.0 0.6 6.4 8.0 7.6	6 160 40 210 280 310	m/s 1.8 0.2 5.6 8.1 5.7	-6 160 30 210 270 310	m/s 2·1 0·1 4·0 7·2 7·2	0 160 200 280 310	m/s 1·9 0·0 2·5 7·1 5·1	220 100 200 200 270 300	m/s 0·9 0·1 4·6 5·4 4·3	0 160 170 270 310	m/s 3.0 0.0 3.1 4.2 3.3	0 170 300 190 270 290	m/s 0.6 0.1 4.6 2.8 3.3	0 160 280 200 270 290	m/s 0·8 1·4 5·3 3·1 4·2	0 150 290 200 270 310	m/s 1.0 0.7 4.6 3.8 2.3	m/s 1·4 0·4 3·9 5·7 5·2	1 2 3 4 5
320 160 170 160 180	4.5 3.6 5.0 4.5 3.3	320 160 170 170 210	4.0 4.3 5.0 5.2 4.5	330 170 180 180 210	4.5 4.4 5.2 5.5 3.3	330 170 180 170 220	4·4 3·7 5·6 6·8 2·5	340 170 180 180 340	2.8 5.0 6.3 6.4 1.8	350 180 180 180 350	2•4 5•4 6•9 5•5 2•1	160 180 180 180 340	2·3 4·3 5·0 5·6 1·8	190 180 190 180 350	0.5 3.9 3.3 5.3 0.5	350 180 180 180 50	0·3 3·7 3·4 3·8 1·0	350 190 190 160 30	0.2 4.1 2.5 1.7 1.1	200 180 180 20	0.0 3.8 3.2 1.6 1.3	200 190 150 360	0.0 3.1 2.4 0.3 0.4	3·1 2·4 3·1 3·4 2·4	6 7 8 9 10
120 170 180 340 180	3.2 6.5 4.0 4.4 4.8	120 170 180 350 180	3.8 7.5 3.6 3.5 4.5	120 170 180 40 180	4·1 6·7 4·2 3·4 3·9	130 170 180 60 190	4.7 5.5 5.2 3.4 4.0	140 170 200 50 230	4.0 5.5 4.3 3.7 2.7	140 170 180 60 240	4·3 6·1 3·2 3·3 1·6	140 170 190 60 280	4.0 6.5 1.5 3.3 2.1	150 170 240 50 290	3·2 3·7 1·7 2·0 1·6	160 170 270 70 250	3·1 5·0 2·8 1·2 1·7	170 180 360 260	2.6 5.5 1.3 0.0 1.7	180 180 20 310 210	2·2 5·0 0·9 0·2 0·7	190 180 310 240	2.2 5.4 0.0 0.9 1.2	2·3 4·6 2·8 3·1 1·9	11 12 13 14 15
240 290 120 150 300	3·4 0·6 3·0 4·6 7·7	310 40 260 150 300	2.5 1.9 1.8 5.0 7.3	40 20 40 170 300	1.5 2.4 1.7 5.5 6.7	50 40 130 170 300	1·3 2·0 2·5 6·4 6·0	50 340 120 170 300	1.6 1.9 0.9 5.6 7.2	50 360 240 160 300	2·4 1·1 1·4 4·1 7·3	60 130 330 160 300	1.6 1.0 0.7 4.0 7.0	10 200 240 150 300	1.0 1.5 3.6 6.8	330 310 200 150 300	0.2 0.6 1.4 3.3 7.0	330 200 230 140 290	0.7 0.5 1.6 3.3 6.4	310 220 260 140 290	1.6 1.3 1.3 3.3 6.0	310 250 260 130 290	2·1 0·9 2·2 3·7 6·6	1.5 1.6 1.5 3.1 5.2	16 17 18 19 20
320 190 230 130 280	7·3 4·5 5·5 3·4 3·5	320 170 240 160 300	8·1 5·5 4·4 3·4 4·7	320 180 230 160 290	8.6 4.4 4.4 4.4 5.3	320 210 220 180 300	7·3 4·6 3·3 5·1 5·6	320 190 240 180 280	6.7 4.3 3.5 5.6 3.5	330 230 250 180 260	6·3 4·1 3·0 5·0 3·0	340 210 300 180 270	5·1 3·3 4·7 5·5 3·3	340 240 300 180 260	4.0 2.3 4.0 4.0 1.6	330 200 100 190 230	1.6 2.6 1.0 3.4 1.3	330 190 150 220 240	1.7 2.6 0.8 1.0 1.8	280 200 340 310 250	1.5 2.7 0.5 1.5 2.4	260 210 320 290 330	1.0 3.2 1.1 1.5 2.7	6.5 3.0 3.3 2.6 2.4	21 22 23 24 25
160 190 290 330 330	6·3 2·0 6·9 8·2 7·0	170 180 300 320 330	7.2 1.1 6.8 7.5 7.0	180 220 310 330 330	7.0 2.3 7.8 7.6 6.5	180 260 310 330 340	8·1 3·4 8·1 8·6 5·5	190 230 310 330 350	7.5 4.0 7.3 7.9 4.9	200 280 310 330 350	6.5 5.4 7.5 6.8 4.4	200 270 300 330 350	5.0 6.5 5.5 6.9 3.5	190 270 310 320 360	4.1 6.6 6.3 5.0 1.0	210 260 300 320 340	3.7 4.1 5.4 4.3 1.6	210 260 310 310 330	4.0 3.1 4.4 3.3 0.9	210 260 300 300 240	4.0 4.8 5.5 4.0 0.5	200 270 290 310 310	4.6 4.5 6.1 5.6 1.2	3.9 3.5 6.3 6.5 4.7	26 27 28 29 30
170	4.6	170	4.8	170	5•0 4•8	160	5•0 <u>5•0</u>	170	4•6 4•6	180	4•4	180	4•2 3•9	180	3.6	190	3•1 2•7	190	2•5	180	2•4	200	0•6 2•4	3•3	31

AUGUST, 1935

٥	m/	s	m/s		m/s	o	m/s	0	m/s	0	m/s	0	m/s	0	m/s	0	m/s	٥	m/s	0	m/s	o	m/s	m/s	
120 120	2.	9 140	2.9	130 170	2.3	130 170	2•2 2•3	130 180	1.7 2.7	50 180	1·2 2·3	40 210	0.6 2.0	340 210	2·4 2·0	340 210	3·1 1·5	340 220	2.3	330 290	2·1 1·0	330 (290)	1.6 1.2	1.8 1.9	1 2
170 290	1.	7 80	1.4	190 40	6.0	180 5 0	5•8 1•0	180 250	5•1 0•9	190 (250)	3·9 2·3	200 230	2·6 4·3	220 220	1·4 3·4	220 220	3.0	330 240	0·1 4·5	240	0·0 3·4	220 250	0·1 4·1	2.4	3 4
120				120	3.5	90	1.8	80	1.0	60	1.0	40	0.5	340	0•5	10	0.9	350	0.2	330	0.7	330	0.7	2.0	5 6
160 140 80	3-1	8 120	4.0	190 120 10	4·4 4·1 2·3	180 110 20	3•6 3•0 2•6	190 40 20	3·1 1·7 1·9	180 10 20	1.9 1.7 1.7	160 360 40	1.5 1.3 1.6	120 310 40	0.9 1.8 2.0	120 310 30	0.4 1.7 1.5	320 310 20	0.2 1.4 0.9	320 300 360	0.9 0.1 0.3	330 330	0.5 0.0 0.1	1.5	7 8
190 210	5•	1 170	5-2	180 220	5•5 8•0	180 210	5•3 8•0	180 220	2.7	120 220	0.9	100 220	0·1 5·4	260 230	2.1	240 230	1.1	240 230	2.4	230 230	2.7	220 230	3.4	2·0 4·9	9
330	3•	1		80	3-3	110	2•6	120	2•3	130	1•6	50	0•6	50	0•6	310	0•5	330	1.0	350	1.5	330	1•9	3•0	11
330 280	1-:	5 220	1.0	350 300	5•6 2•5	350 300	5•8 4•1	340 300	5•4 4•4	350 310	4•0 4•1	340 280	3•4 1•6	320 300	1.2	320 320	1.0 0.1	300	1.9 0.0	300 320	1·2 0·9	290 280	0.6	3•7 2•1	12
270 190			I -	170 190	1·3 3·2	170 180	1•4 2•2	180 190	2•5 1•6	180 200	2.3	180 30	1.7	30	1.9	340 40	0·1 1·4	310 90	1•0 0•5	350 100	0.2	310	0.6	1.4	14 15
120 160				120 150	3•7 4•0	140 160	3·1 3·1	140 150	3·1 4·4	140 150	2•7 4•0	140 150	2•0 2•9	150 160	1.9 2.9	150 150	1.7	150 150	1•2 2•8	160 150	0·9 2·7	170 150	0•5 3•6	1•7 3•2	16 17
160 130	3-6	8 170	3.7	160 170	3•8 5•0	170 170	4·7 5·3	170 190	4•3 3•9	190 200	5•2 4•4	190 210	4•0 3•3	180 220	2•3 2•3	120 240	1.2	160	1·1 0·0	170 210	0•9 1•0	180 170	0•5 0•9	2•8 1•7	18 19
150	1			180	6•0	180	6.1	180	6•2	180	5•4	190	6•0	180	4.3	180	2•7	190	2•8	180	3•4	170	3•6	4.0	20
170 100	2.	7 110	3.1	170 120	7·1 2·9	180	2.5	210 110	5•4 1•5	220 100	1.0	70	3·8 0·9	260 70	2·1 0·4 0·6	240 30	0.1	220 330	0.3	220 300	1·3 0·6 0·1	250 280 320	1·4 0·2 0·1	1.6	21 22 23
110 100 110	1.6	100	1.7	110 110 110	2·8 2·6 1·0	160 120 120	2·1 1·8 1·1	150 80 140	3.0 0.5 1.5	160 90 160	1·3 0·3 2·2	180 70 160	1.9 0.1 2.4	170 340 160	2.7	230 330 200	0·1 3·8 1·1	330 180	0.0 3.2 1.8	40 340 180	1.7	340 200	2.0	1·2 1·3 1·8	24 25
290		1		100	2.3	120	3.8	110	3.3	110	3.7	100	3•3	100	3.6	110	3.3	90	3.2	70	4•4	40	4.5	4.2	26
350 330	2 · 5		1.6	350 310	1.0 7.7	90 310	1·6 7·2	70 310	1·9 7·8	70 300	2•6 7•6	60 300	2·3 4·6	360 300	1·7 4·6	350 280	1.6 6.7	330 280	1·1 6·3	320 270	1•4 5•5	310 240	1.6 4.5	2·8 5·0	27 28
120 170				120 170	2.2	100 170	1·6 4·1	120 170	0·4 3·3	60 180	0•4 3•5	280 170	0•5 2•9	250 180	0·3	280 170	1.5 3.6	290 170	2•5 3•5	280 180	2•8 3•0	250 180	1·9 2·7	3•1 3•4	29 30
180	3.3	3 180	3.0	190	2•8	220	3•0	210	2•1	210	2.0	220	2.0	220	1.8	230	2•0	210	2•0	220	1.0	220	1.5	2•0	31
	3.1	7	3.7		3•7		3•5		3•2		2•9		2•3		2.1		1•8		1.7		1.7		1.6	2•5	
12	- 13	13	- 14	14	- 15	15 .	. 16	16 .	- 17	17 -	- 18	18	- 19	19	- 20	20	- 21	21 -	- 22	22 .	- 23	23	- 24	Mean	Day

147. ABERDEEN: Dines pressure Tube Anemometer from Jan. 1935 Ha (height of anemometer above M.S.L.) = height of ground above

Hour	0.	- 1	1.	- 2	2.	. 3	3 .	- 4	4 .	- 5	5 -	- 6	6 -	- 7	7.	- 8	8 -	- 9	9 .	- 10 .	10 -	. 11	11.	. 12
G. M. T.		1	ļ					I		T .				T .		Ι		Ι.	-			Ι.		\Box
Day 1 2 3 4 5	0 220 130 250 210 320	m/s 1.0 4.9 1.5 2.0 2.6	220 120 260 190 310	m/s 0·4 5·3 4·9 2·0 2·6	0 220 120 250 210 310	m/s 1.0 6.5 3.0 2.5 2.0	0 220 120 260 220 300	m/s 1·1 6·4 1·1 3·1 3·0	220 120 210 210 300	m/s 0.5 5.8 2.1 3.1 2.5	190 120 200 210 300	m/s 0·7 6·6 2·6 2·6 2·5	220 120 210 220 290	m/s 0.6 6.7 1.1 3.2 3.2	210 140 190 230 300	m/s 0.5 2.9 1.5 2.8 3.8	210 150 210 250 300	m/s 1·8 2·4 2·1 4·5 4·9	210 140 210 240 310	m/s 2·2 3·8 4·6 5·0 5·3	0 190 160 220 230 300	m/s 3.5 4.2 4.5 4.2 5.4	0 180 170 220 240 310	m/s 5·1 4·8 5·0 4·4 4·6
6 7 8 9 10	290 280 310 320 170	3.8 2.8 1.1 1.5 2.1	290 300 310 310 180	4.2 3.9 1.4 1.4 2.3	310 270 310 310 170	5.5 2.5 1.4 1.2 2.1	300 300 310 310 200	5.6 3.2 1.4 1.6 2.1	300 290 310 300 190	4.9 3.2 1.0 1.4 1.6	300 290 310 310 210	4.7 3.1 1.1 1.0 1.6	310 300 300 310 200	5.5 3.3 1.4 0.7 2.1	310 300 300 320 200	6.9 3.4 1.3 0.7 2.9	320 320 280 330 190	7·4 4·0 1·5 0·6 3·3	310 330 300 350 180	7.0 5.2 1.0 1.3 4.1	320 340 50 80 180	6.8 5.5 1.0 1.6 4.8	310 340 80 90 170	6.9 5.4 1.6 1.9 4.5
11 12 13 14 15	200 210 170 190 230	3.0 1.6 3.6 6.3 3.9	200 220 170 190 200	3.5 0.9 3.5 5.7 3.3	210 220 170 180 190	3·5 0·1 4·4 6·1 3·7	210 200 180 180 200	2·3 0·3 4·8 4·9 3·8	200 200 180 200	3.0 0.0 5.3 5.5 3.3	200 210 170 200	3.0 0.0 4.3 3.8 2.8	190 210 180 190	2.0 0.0 3.9 5.1 5.0	210 170 200 180 180	2.7 0.8 3.9 7.0 6.0	210 210 210 190 170	3.7 0.6 5.5 6.8 6.6	200 170 220 210 160	3·9 1·3 4·5 5·4 6·8	210 170 210 200 160	4·3 1·7 5·3 5·8 6·9	210 130 210 180 170	4.9 1.5 6.0 5.5 8.0
16 17 18 19 20	200 130 270 160 250	2.0 6.2 4.1 7.3 6.8	210 100 260 160 260	2·7 5·3 3·4 8·8 8·4	200 80 220 160 270	1.8 7.7 1.2 9.8 7.0	200 130 230 160 270	3.0 6.1 1.4 9.6 6.4	200 120 250 170 270	3·7 2·2 2·9 8·2 6·0	180 10 260 200 270	2·4 1·4 3·1 5·7 5·5	200 330 220 220 280	3.0 1.6 1.6 6.8 5.6	200 310 240 240 280	2.6 1.5 1.7 6.4 3.2	210 310 240 240 280	3·4 2·9 2·2 5·5 5·6	210 290 270 230 280	3·1 2·9 5·1 5·3 5·5	220 300 280 230 290	4.2 4.0 7.2 7.4 5.3	220 300 290 230 250	4.6 4.5 6.6 7.5 4.6
21 22 23 24 25	270 180 300 280 310	0.6 1.0 4.6 3.1 3.0	230 180 300 290 310	1.2 0.5 4.7 3.3 3.5	220 170 300 290 310	1.7 0.2 4.0 4.0 3.7	240 140 300 290 320	2·1 0·2 4·2 1·4 4·0	150 100 300 270 310	0.4 0.6 5.8 1.7 3.4	160 110 310 240 320	1.6 5.3 1.5 3.5	210 80 300 260 310	2.2 1.9 6.6 1.1 3.6	240 90 290 280 310	3·0 2·1 6·2 3·2 3·5	250 80 300 290 340	3·4 2·6 6·4 2·7 3·1	240 50 300 310 320	3.0 2.8 6.7 3.5 5.8	240 10 300 320 340	2·2 2·0 7·0 2·7 5·1	170 350 300 320 320	1.2 2.9 7.1 1.5 6.1
26 27 28 29 30	300 180 230 220 180	2.0 4.7 0.5 0.6 5.8	290 190 170 220 180	2·1 2·9 0·2 1·6 5·1	300 200 210 210 180	2.3 2.6 1.6 1.5 4.1	300 210 200 210 210	2.5 1.5 2.6 0.8 2.5	300 210 200 210 220	1.8 0.6 2.7 2.1 1.5	240 220 180 190 240	0.9 0.4 2.0 1.9 1.4	280 220 200 200 300	0.7 0.6 1.0 2.2 0.7	310 200 140 210 230	1.0 0.5 0.6 2.6 0.8	300 240 190 210 230	0.9 0.2 0.9 3.2 0.5	210 180 160 220 210	1·3 1·4 1·1 3·9 0·6	180 190 120 220 300	2.8 1.7 1.4 3.8 1.0	170 170 120 220 240	4.1 2.6 1.7 3.6 0.6
Mean		3.1		3•3		3.3		3.1		2•9		2.6		2.8		2-9		3.3		3•8	1	4.1		4•3

148	ABERDEEN:	u	_	24		4 1	7 matmaa
140.	ABERDREN:	Ho	=	24	metres	+ L	5 metres

Day 1	o 210	m/s 1.8	。 220	m/s 1·4	° 210	m/s 1·1	° 310	m/s 0•7	o 300	m/s 1·4	o 310	m/s 1-0	o 310	m/s 1•4	o 300	m/s 2·6	o 310	m/s 3·1	310	m/s 2·0	o 330	m/s 4·1	340	m/s 3·9
2 3 4	310 120 350	1.9 7.4 3.7	310 110 350	1.6 6.8 3.6	310 100	0.6 6.4 2.1	310 90 350	1·4 6·5 3·4	310 90 340	1.2 6.5 3.4	300 90 310	1.4 6.8 1.9	300 80 280	0.6 7.8 1.1	280 80 230	0.2 8.2 0.4	180 80 130	1·2 7·5 0·4	180 70 140	2.5 7.4 1.5	180 60 140	3·6 6·8 2·2	170 50 130	4·1 7·3 3·0
5	350	(3-0)	350	(3.5)	350	(3.6)	340	(3-8)	360	(4.7)	360	(4-5)	350	(3.9)	350	4.5	350	4.7	360	4.0	350	5•1	340	5-6
6 7	310 300 200	3·9 3·5 5·6	310 300 190	3.0 2.9 7.1	310 280 190	1.9 2.5 6.2	320 300 190	2.0 2.2 6.0	340 300 190	3•6 2•0 6•3	350 300 190	4.2 0.6 5.4	350 300 220	4.8 0.6 1.7	350 250 200	5.0 0.4 2.7	340 200 220	5·3 0·2 2·4	340 190 220	4-8 0-5 2-6	340 210 230	5.0 1.5 2.6	210 230	3·9 3·1 3·3
8 9 10	240 280	2.0	230 320	1.9	260 320	1.7	230 330	1.8	230 340	2.1	220 270	2-6	230 280	2.1	230 260	2.9	210	2.9	210 250	2·8 5·7	230 250	5·3 (4·7)	210 260	4·8 (4·3)
11 12	220 280	3·2 5·0	200 280	1.0 3.5	190 300	1.0 2.8	180 240	0•9 3•8	220 240	2·3 3·0	210 220	1.7 2.5	190 180	1.5 1.6	190 200	1·9 1·1	180 210	3·0 2·3	210 190	2·5 2·1	240 190	2·5 3·6	280 190	4·9 3·8
13 14 15	220 210 200	4·0 6·0 3·1	220 230 170	3·7 4·8 3·3	210 240 190	3·2 4·9 2·6	200 240 200	3·0 5·4 2·1	190 220 220	2·7 3·8 0·6	210 250 220	3·2 3·9 4·5	200 250 230	2·2 2·5 3·1	220 220 220	3·3 1·8 3·0	230 250 220	3·7 3·1 3·5	220 220 210	2·9 3·0 3·6	230 210 190	3·1 3·7 2·5	220 250 190	4·8 3·7 4·8
16	220	3.0	220	1.6 3.1	210 210	2.3	240	0.9	200	0.9	230 190	2.0	230 190	1.8	250 210	2·5 7·8	300 220	1.7	300 270	1.9	300 270	2·4 5·4	290 280	4·2 8·0
17 18 19	200 280 210	1.5 8.2 8.5	210 290 210	6·7 9·6	290 210	3·5 6·4 9·1	200 290 220	6·5 6·9	290 290 230	5·6 10·4	280	4·3 10·7	300 240	2.7	240 240	2.8	240 250	3.3	220 260	2·9 10·0	230 270	2·9 13·6	210 300	3·0 11·6
20	330	10•6	330	10•9	330	11-4	330	10•9	330	11-4	330	8•2	330	9•2	320	8.7	320	8.8	330	9•5	320	9.1	330	8.4
21 22 23	260 300 200	2.0 1.8 3.3	300 290 200	2.6 2.9 2.6	300 300 200	3·5 2·9 2·4	300 300 200	2·6 2·2 2·9	290 300 200	4·1 1·4 3·0	290 270 190	3·1 0·6 4·0	290 300 190	4·0 0·9 4·3	270 300 180	4·1 0·9 5·1	280 310 180	5·2 0·4 7·5	280 290 180	4.6 0.2 7.4	300 180 180	1·2 7·3	310 180 180	4·7 2·2 7·5
24 25	180 190	8·2 3·9	170 180	7·6 4·0	170 180	7·3 4·9	170 180	6·5 3·8	180 180	6·2 3·7	180	5·5 3·5	170	5·2 4·0	170 180	4.7	170 170	4·9 3·0	170 170	4·9 3·6	170 160	6·5 3·3	170 180	6·4 3·0
26 27	310 230	1·1 3·4	310 210	0·3 2·4	200 220	0•6 2•5	200 240	2·0 2·1	190 230	2•0 2•2	200 210	3·1 1·5	210 210	3·5 1·5	210 190	5·5 1·5	200 210	4.5 1.8	200 210	5•5 1•9	190 210	3·1 1·5	200 210	4·0 0·3
28 29	300 190	4.1	300 200	3.5	290 200	2.6	300 200	2.3	280 280	3·2 1·4	290 280	4·7 3·1	300 290	4·5 3·6	290 270	1.8	290 270	2.6	290 280	2·5 2·6	280 280	4·3 2·8	300 270	4·2 1·4
30	250	7-2	250	6-9	250	6-8	250	5-6	240	5•0	190	2.5	180	4.0	180	5•3	190	5-4	190	(6•9)	210	(9-8)	220	(7-9)
31	230	(6•2)	230	(6-6)	230	(6•6)	240	(6•9)	240	(6-9)	240	(6-9)	240	(6•9)	230	(7•5)	230	(6•9)	230	(9•5)	230	8•9	230	8.1
Mean		4-2		3.9		3•7		<u>3·5</u>		3•7		3•7		3•6		3•7		4.0		4.2	•	4.6		4.8
Hour G. M. T.	0	- 1	1	- 2	2 .	- 3	3 -	- 4	4 .	- 5	5.	- 6	6	- 7	7	- 8	8 -	- 9	9 .	- 10	10 -	u.	и.	. 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

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

SEPTEMBER, 1935

12 -	- 13	13 -	- 14	14 -	- 15	1.5	- 16	16	- 17	17 -	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22 -	- 23	23 -	24	Mean	Day
o 180 160 220 250 300	m/s 5·7 5·9 4·9 5·3	0 180 160 220 270 330	m/s 5·6 4·5 4·5 5·0 4·4	90 180 230 270 330	m/s 4·6 3·8 5·0 3·9 6·1	0 180 230 220 250 330	m/s 3·4 1·8 5·4 2·9 6·7	0 170 220 230 260 330	m/s 3·0 1·9 5·3 2·9 5·6	0 170 220 240 290 320	m/s 2.0 2.5 3.9 3.8 3.5	0 150 230 240 290 310	m/s 1.2 3.8 3.5 2.2	220 230 270 310	m/s 0.8 3.6 3.2 2.0 2.1	0 130 220 230 250 320	m/s 1.2 2.9 2.6 2.2 2.4	0 140 240 220 270 320	m/s 2.5 5.2 3.0 3.2 2.3	0 130 250 210 270 290	m/s 3·4 5·4 1·8 2·8 2·0	0 130 250 200 300 290	m/s 4.0 3.8 1.8 2.4 3.5	m/s 2·3 4·4 3·3 3·3 3·7	
320 330 120 120 120	6.9 5.3 2.0 2.1 3.5	320 340 120 130 200	5.9 4.6 2.0 2.3 4.0	320 340 120 150 200	6·2 3·8 2·3 2·4 3·2	340 340 110 160 210	5.5 4.1 2.4 2.6 1.4	340 340 120 130 200	5.0 3.2 1.9 2.2 1.5	330 350 110 140 200	4·4 2·2 1·2 2·4 2·6	320 340 110 170 200	1.9 1.1 0.6 2.1 1.8	330 330 130 170 200	1.0 1.3 0.1 1.5 3.2	300 310 310 180 200	0.9 1.2 1.0 1.4 2.0	290 320 310 170 190	0.9 1.4 1.6 1.2 1.9	280 310 320 190 190	1.8 1.1 1.8 1.6 3.4	280 320 320 180 210	3.0 0.9 1.6 2.1 2.8	4.7 3.2 1.4 1.6 2.7	1
210 120 210 180 160	4·0 1·3 6·1 5·8 6·7	210 150 230 190 170	2.6 2.8 6.1 5.1 5.7	210 150 220 190 180	2.5 3.6 6.2 6.1 5.5	210 170 230 210 170	2.2 5.5 6.3 5.4 6.6	180 170 230 210 180	1.8 6.4 5.1 6.5 5.3	190 170 220 210 190	1.9 4.9 3.1 3.8 3.0	200 170 210 210 210	1.8 3.5 4.1 3.6 2.9	210 180 210 210 190	3·1 4·0 3·0 3·1 2·9	220 170 190 210 210	2·3 4·1 3·9 3·0 4·1	220 170 190 210 210	2·4 2·8 3·6 2·5 4·0	200 170 190 210 210	0·4 2·5 4·0 3·9 3·7	210 180 190 220 200	1.4 3.6 6.2 3.1 4.4	2·8 2·2 4·7 5·0 4·8	1 1 1 1
220 300 290 250 260	4.9 8.5 5.6 9.5 4.1	220 290 280 250 270	5.5 9.6 6.0 9.1 6.4	220 290 260 230 260	6.0 9.8 5.8 7.3 6.4	230 300 260 240 260	5·1 9·4 4·7 6·5 6·0	220 290 250 250 270	4.5 7.7 4.3 9.6 2.0	200 290 250 260 260	4.0 5.2 3.8 9.5 3.0	200 270 240 250 250	3.0 3.5 2.1 10.1 3.9	210 280 220 240 210	4·4 5·2 2·7 7·0 1·7	180 270 190 250 250	2.9 5.2 2.0 7.4 2.9	180 260 200 250 250	3.9 3.3 3.2 11.0 1.6	160 250 180 250 230	3·2 2·4 3·2 10·9 1·9	150 270 180 260 230	4.9 3.5 4.6 8.4 0.8	3.7 5.0 3.7 <u>8.1</u> 4.6	1
160 360 300 60 330	2·8 4·5 6·6 1·5 7·1	170 350 290 70 330	3.0 4.5 6.2 2.5 7.5	180 340 290 70 340	2•6 4•5 7•0 2•2 5•6	180 340 310 70 340	2.7 5.0 5.7 1.6 4.0	180 340 290 60 330	2·1 4·4 4·7 1·7 4·5	190 330 310 30 320	1.1 4.3 4.9 1.6 3.0	180 320 300 360 320	0.5 4.0 3.6 1.7 2.8	180 320 290 330 320	0.7 4.8 3.8 1.7 2.8	230 320 280 320 310	0·2 5·4 4·7 2·0 2·3	210 320 280 310 310	0.6 4.9 4.9 2.1 2.3	310 280 320 300	4·3 4·8 2·0 2·4	300 280 320 290	4.5 3.6 2.5 1.9	1.6 3.1 5.4 2.2 3.9	
170 200 40 200 300	5·1 3·2 1·1 4·3 1·1	170 240 350 210 320	4.7 4.7 1.2 4.2 0.6	170 250 330 190 350	5•3 3•4 1•8 3•7 1•2	160 240 300 200 80	6•2 2•4 3•8 3•7 0•9	160 220 300 180 190	6.0 1.6 6.5 2.9 0.8	170 230 300 170 250	6·1 1·1 7·2 3·5 1·1	170 230 290 190 240	4•4 1•5 6•8 5•5 1•9	180 220 270 190 240	5.5 2.1 4.6 5.1 2.7	170 210 270 190 230	6.4 0.3 3.9 4.9 1.5	170 110 250 180 240	7·1 0·4 2·9 5·3 1·6	170 200 230 180 230	6.5 0.3 1.6 5.2 1.9	180 220 230 180 220	6.5 2.3 1.0 5.5 1.1	3-8 1-8 2-4 3-4 1-7	
	4.7		4.7		4•6		4.3		4.0		3•5		3.1		3•0		2•9		3.1		3•0		3•2	3.5	\vdash

OCTOBER, 1935

0 340 170 50 120 340	m/8 4·3 5·3 7·2 2·8 6·3	o 340 160 40 100 340	m/s 4·9 5·3 7·0 3·2 5·7	o 340 160 60 90 340	m/s 4.7 5.8 6.4 2.0 5.1	o 340 160 60 50 330	m/s 4·8 6·2 5·4 1·9 5·0	o 330 160 60 80 330	m/s 3·1 6·4 6·0 3·0 4·4	0 310 150 60 70 330	m/s 1·1 6·4 5·9 (1·6) 5·2	0 300 150 60 10 320	m/s 0.6 6.3 6.0 (1.0) 6.4	0 300 140 70 360 310	m/s 1·4 6·7 6·0 (1·5) 7·4	0 300 140 50 350 310	m/s 1.6 7.0 6.1 (1.8) 5.6	0 290 130 30 340 310	m/s 1·8 7·3 6·5 (1·1) 4·6	o 290 130 30 340 310	m/s 2•4 7•9 4•8 (1•0) 3•5	0 280 120 350 10 310	m/s 1.6 7.5 4.3 (1.5) 3.8	m/s 2•4 4•1 6•5 2•0 4•7	1 2 3 4 5
340 190 230 190 260	4·9 3·5 3·6 3·7 (7·8)	340 210 230 210 260	4.6 3.6 2.7 3.3 7.1	350 210 230 210 250	5·2 3·5 1·9 3·7 6·1	350 190 220 210 260	4.7 4.3 1.5 4.5 4.2	340 180 230 210 270	4.0 4.7 2.5 4.0 2.3	340 190 240 210 250	3·4 4·5 2·0 2·9 4·9	330 220 230 210 250	2·3 4·4 1·6 3·0 4·6	310 210 230 210 250	2.8 4.4 1.6 2.0 4.9	310 190 230 210 250	2•7 4•6 1•4 3•1 4•8	310 190 230 210 250	3.0 5.4 1.8 2.0 5.5	310 190 230 220 240	3.0 4.8 2.5 1.5 3.9	310 190 240 260 230	3·1 5·3 2·3 1·8 2·5	3·8 3·0 3·2 2·9 3·7	6 7 8 9 10
280 230 210 200 190	4·7 4·2 5·7 3·1 4·5	280 220 200 220 220	4.6 4.0 3.3 3.6 5.8	280 220 190 220 210	6.9 2.8 3.2 5.0 6.8	280 230 180 220 170	6·1 3·5 3·1 4·9 4·0	280 230 170 210 210	4.6 2.1 4.1 5.0 4.9	280 230 170 200 210	5·4 2·5 3·7 2·2 5·1	290 200 180 210 160	5.5 2.4 6.2 3.5 4.2	280 210 180 220 150	5•3 3•1 6•0 4•2 2•6	290 210 180 220 190	4•4 3•4 5•2 4•1 3•5	280 200 190 180 170	4.5 2.7 6.8 3.4 4.3	290 230 200 200 230	2.6 2.9 7.6 3.7 4.8	280 220 200 210 220	1.9 4.2 7.1 3.6 3.2	3.5 3.0 4.2 3.9 3.6	11 12 13 14 15
260 270 220 310 320	4·4 9·5 2·6 9·5 8·5	260 270 180 310 330	4.8 8.6 4.6 10.9 8.0	260 280 180 310 320	3.5 6.6 7.5 10.3 7.6	260 270 180 310 320	3·8 4·7 7·6 8·2 6·2	270 270 190 310 310	4.7 6.9 9.6 7.5 5.8	250 270 190 320 290	3.6 5.7 8.5 9.3 4.8	250 240 180 320 290	3.8 3.6 10.3 11.3 5.2	250 240 190 330 290	3.8 3.5 8.0 10.3 3.9	230 240 210 330 280	2·1 3·3 10·1 9·6 4·1	220 260 240 330 280	2·1 7·5 6·1 10·8 2·5	230 270 220 330 290	2·3 10·1 6·1 12·5 4·3	210 270 210 330 280	1.9 8.0 6.9 10.8 4.1	2.7 6.1 6.0 10.3 7.6	16 17 18 19 20
300 180 180 170 190	4.6 3.9 6.9 6.2 2.2	300 180 180 180 180	4·3 4·0 7·3 5·0 2·0	310 180 180 180 190	3·8 4·1 6·4 4·0 2·2	330 200 180 180 190	3.8 3.7 6.3 3.6 2.7	330 200 170 170 200	3·4 2·8 7·1 4·6 2·1	330 200 170 170 210	3·7 2·0 8·5 4·6 1·7	320 210 170 180 220	3.6 2.7 8.0 3.4 1.5	320 200 170 190 240	2•7 2•7 7•4 3•3 0•2	310 210 170 180 270	2·1 2·4 7·4 3·8 0·5	310 220 180 180 250	3·1 2·5 7·6 6·4 0·3	300 210 180 180 300	2·3 2·2 7·7 5·4 0·6	300 200 180 180 300	2.6 3.2 8.1 4.0 1.1	3.5 2.2 6.1 5.3 2.5	21 22 23 24 25
210 190 300 280 230	6•2 0•4 3•3 3•1 (7•2)	210 190 290 280 220	6•6 1•1 2•3 7•6 (5•6)	210 210 290 290 220	5.0 0.7 1.1 6.5 (4.3)	300 220 220 280 280 220	5.5 0.3 0.4 6.4 (5.9)	290 310 170 280 210	5.8 0.7 1.3 8.2 (6.6)	280 320 160 280 230	7•2 1•0 2•2 9•5 (4•6)	290 320 180 280 220	7•1 1•6 3•5 9•1 (3•0)	280 300 180 270 220	4•6 1•6 3•6 8•4 (5•2)	260 300 190 250 230	5•6 2•6 3•8 5•7 (6•2)	230 320 200 250 250	3.5 4.0 4.5 6.6 (5.6)	250 320 200 250 230	4·3 4·9 4·8 7·1 (6·6)	240 300 200 250 240	2·3 4·6 5·4 6·9 (5·9)	4·1 1·9 3·2 4·4 5·8	26 27 28 29 30
220	8•4	220	8•2	220	5•7	210	2•9	200	4•2	210	5•6	220	6•3	210	6•4	210	5•7	210	5•4	200	4•3	200	4•3	6•5	31
	5•1		<u>5-1</u>		4-8		4•4		4•6		4•5		4•6		4•4		4•3		4•5		4•6		4•3	4•3	
12 -	13	13 -	14	14 -	15	15 -	16	16 -	17	17 -	18	18 -	19	19 -	20	20 -	21	21 -	22	22 -	23	23 -	24	Mean	Day

149. ABERDEEN: Dines Pressure Tube Anemometer from Jan. 1935. Ha (height of anemometer above M.S.L.) = height of ground above

	0	- 1	1.	- 2	2 .	- 3	3 -	- 4	4	- 5	5	- 6	6	- 7	7 -	- 8	8 -	- 9	9.	- 10	10 -	- 11	11 -	- 12
Day 1 2 3 4 5	0 210 200 210 130 290	m/s 4·6 3·0 2·8 7·7 0·9	o 210 180 200 130 230	m/s 2·1 0·5 4·8 8·0 0·9	0 210 180 200 130 290	m/s 2.6 1.9 1.3 8.8	o 210 190 210 130 240	m/s 5.0 1.6 1.1 9.1	0 230 170 180 130 200	m/s 3.6 4.2 0.8 9.2 0.4	200 160 190 130	m/s 4·4 6·7 0·6 10·7	0 220 160 80 130 310	m/s 5.0 5.8 0.5 9.7 0.2	0 210 170 320 140 310	m/s 3.5 6.8 0.8 8.2 1.3	0 160 170 150 130 310	m/s 2·3 8·5 1·2 7·9 1·6	0 200 160 140 140 310	m/s 2.6 7.4 3.1 7.2 0.9	0 210 160 140 140 240	m/s 2·8 7·2 5·6 6·8 0·5	o 220 160 140 140	m/ 2. 9. 6. 0.
6 7 8 9	160 230 120 230 130	1.0 1.0 0.9 1.0 4.6	120 210 320 190 170	0.6 0.7 1.4 0.6 4.5	240 310 310 170	2·3 0·5 1·4 4·4	240 310 320 310 180	1.3 0.9 1.6 1.5 2.8	240 210 310 310 170	1.4 0.4 2.0 1.6 1.6	230 310 300 320 170	1.0 0.6 2.2 1.6 1.0	190 310 320 310 170	0.2 0.4 2.2 1.3 0.8	170 310 310 320 140	0.2 0.5 1.9 2.2 1.8	220 310 310 320 120	1.0 0.5 2.0 1.9 4.6	210 320 140 130	2·4 0·0 2·6 4·8 5·5	210 310 320 130 160	2.9 0.7 2.5 3.9 4.1	210 310 320 120 160	3· 1· 5· 3·
11 12 13 14 15	170 150 210 240 190	0.5 6.8 1.4 0.9 1.1	180 150 200 220 220	0.5 6.9 1.1 0.6 0.6	250 150 250 200	0.5 7.2 1.0 1.4 0.0	300 150 230 190 310	1·1 7·6 1·2 2·5 0·2	310 150 210 200 300	2·3 8·4 1·6 3·8 0·6	300 150 220 190 300	2.0 9.4 1.5 3.5 0.4	310 150 230 180	0.9 10.5 1.5 2.4 0.0	320 160 220 170 300	0.7 10.2 1.6 4.9 0.5	310 170 220 170 310	1.3 10.6 1.7 8.1 0.5	300 170 220 170 150	1.3 10.0 1.0 8.7 3.9	300 190 210 170 130	0.9 8.2 1.0 7.4 3.0	190 200 220 170 260	0 · 6 · 0 · 7 · 0 ·
16 17 18 19 20	190 80 310 150	3.0 0.0 6.9 0.5 5.6	190 310 80 320 150	2·3 1·3 6·7 0·6 5·3	200 320 70 30 150	1.3 1.9 5.3 0.1 5.4	230 320 80 120 140	0.8 2.4 5.5 1.5 5.9	160 320 80 130 130	2.0 2.2 5.5 1.9 6.3	170 320 80 140 130	2.5 2.3 5.2 0.9 6.2	170 310 70 130 130	4.0 2.5 4.5 2.5 6.2	170 320 70 140 130	5.0 2.4 6.0 3.5 6.0	170 310 70 140 130	5.8 1.8 6.4 3.7 5.6	170 310 50 140 130	6·2 1·9 5·8 4·4 5·6	170 310 60 140 120	6·1 2·5 5·6 4·5 5·4	170 320 70 130 110	5. 2. 4. 4. 6.
21 22 23 24 25	100 120 120 240 250	6.9 5.3 4.8 0.4 4.4	100 120 120 290 230	7·4 5·2 4·2 0·4 3·9	100 120 120 250 230	7·1 5·2 3·3 0·6 2·6	90 120 110 270 230	6.5 5.3 2.5 2.1 3.4	90 120 110 280 220	6.5 4.4 1.9 2.6 2.8	100 120 130 280 220	6.4 4.5 1.6 1.9 2.5	90 120 130 290 210	6.7 4.8 1.5 2.0 2.5	90 130 130 280 220	5.8 3.3 1.0 2.3 3.7	90 120 300 290 210	6·4 4·1 0·6 1·4 3·6	90 110 310 270 210	6·7 3·5 1·1 2·0 4·1	100 110 250 280 210	5.8 4.0 0.6 3.1 3.6	110 110 250 280 200	6 - : 4 - : 4 - : 4 - :
26 27 28 29 30	210 250 190 270 220	8·1 4·6 6·2 3·9 6·4	220 250 190 270 230	9·2 3·1 7·2 3·2 6·4	210 250 190 250 220	9·3 4·1 6·9 1·7 5·7	210 250 190 190 220	6.5 3.4 5.5 2.1 6.5	210 220 210 240 220	5·1 2·0 4·2 3·6 6·5	230 260 200 240 220	4.6 3.9 4.5 3.3 6.6	250 260 210 210 220	4.7 4.3 5.2 1.6 7.7	230 270 230 220 230	3·2 5·2 4·9 1·6 7·3	230 270 230 230 230	3·1 3·9 4·7 5·2 6·0	220 280 240 220 230	3.5 3.0 5.1 5.0 5.9	240 240 240 260 220	5·3 3·1 4·1 4·2 6·3	240 270 230 230 230 230	5. 2. 2. 6.
Mean		3.5		3.3		3.2		3•3		3•3	,	3•4		3•4		3•5		3•9		4.2		4.1		4.

150.	ABERDEEN:	Ha	=	24	metres	+	13	metres
+) •	WATER CONTROL .	11A		2 =	mc or cp	•		THE OT CD

100. ADER	DEEN:	па	- 24	me cre	S 7 1	э шес	169																	
Day 1 2 3 4 5	0 300 290 300 310 300	m/s 3.6 9.9 10.3 5.8 1.9	0 300 300 290 300 300	m/s 3·3 9·5 7·3 5·2 1·5	300 280 280 300 300	m/s 3·2 7·4 6·4 4·6 1·7	300 280 280 310 300	m/s 3.0 7.6 7.2 5.6 1.6	0 300 290 280 300 300	m/s 2·8 7·8 7·0 5·3 3·0	300 290 280 310 300	m/s 3·8 9·7 4·8 4·2 2·1	880 300 270 300 300	m/s 6.6 10.9 4.0 3.1 2.3	280 290 260 290 290	m/s 6.9 8.9 4.0 5.5 2.0	290 290 290 260 280 280	m/s 5•7 9•0 5•8 5•2 2•8	0 280 300 290 280 290	m/s 4.6 10.1 6.3 5.2 2.6	280 300 300 290 280	m/s 5.0 11.0 6.3 5.1 3.7	0 280 300 290 290 270	m/s 3·6 10·7 6·0 4·2 4·2
6 7 8 9 10	250 290 220 310 310	1.0 1.1 3.0 3.4 1.8	290 190 230 310 310	1.0 0.5 1.5 4.5 1.8	240 290 230 310 300	1.5 0.5 0.4 4.5 2.0	240 270 210 310 300	0.6 1.0 1.0 4.4 2.4	190 300 230 310 310	1.2 0.9 0.5 4.4 2.1	220 290 250 310 300	1.6 0.9 0.5 3.9 2.8	240 310 200 310 310	0.8 1.2 0.5 3.7 3.0	280 310 220 320 320	1.9 1.5 0.8 3.2 1.9	280 310 230 320 310	1.4 1.3 1.2 3.7 1.9	290 300 240 320 310	0.6 0.7 0.1 4.2 1.6	290 280 300 310 310	1.5 0.6 0.6 3.8 1.3	290 310 280 320 310	2·2 0·7 0·5 4·4 1·7
11 12 13 14 15	300 170 310 190	1.1 1.6 2.1 	310 160 310 180	1.8 1.0 2.4 0.0 6.1	290 310 310 230 190	1.5 0.5 2.6 0.2 6.5	310 310 310 200 190	1.6 1.1 2.7 0.4 5.3	310 310 310 200 180	1.5 0.6 2.5 1.4 6.3	320 310 310 180 190	1·4 1·2 2·1 2·6 5·1	100 310 300 190 180	2.5 1.0 2.2 2.6 5.4	110 310 300 200 180	3.9 1.0 1.9 4.5 5.2	110 320 300 210 190	3.5 1.4 2.1 3.3 4.3	130 320 300 210 210	4·1 1·3 3·6 4·1	130 310 290 180 290	3.9 1.7 1.5 5.0 5.1	120 320 300 180 290	3.9 1.8 1.8 6.4 2.7
16 17 18 19 20	320 320 310 300 310	1.4 1.9 3.5 2.4 6.5	320 10 300 290 310	1.6 2.6 3.5 2.8 6.2	320 340 290 290 320	2.5 3.2 3.3 2.8 5.2	310 320 300 290 320	4·4 3·0 2·5 2·2 4·6	310 320 300 290 320	4.5 2.7 3.0 2.3 4.1	300 310 300 300 310	4.6 3.0 3.5 2.9 5.2	310 310 300 300 310	4·7 3·7 3·9 2·7 5·4	310 340 310 280 320	4·2 3·5 3·6 2·0 4·6	310 320 300 280 310	4·1 3·0 4·0 1·5 4·9	310 310 300 260 300	4.6 3.1 3.9 1.4 5.1	300 310 290 270 300	5·3 2·0 3·8 3·4 3·1	300 310 290 290 320	6.5 2.5 4.5 2.2 3.9
21 22 23 24 25	310 280 310 300 140	5.0 3.5 6.2 1.6 6.6	310 280 310 300 140	4.0 4.6 5.5 1.8 6.0	320 280 280 300 140	5.0 3.5 3.0 2.1 5.5	310 280 280 300 140	4.0 4.3 1.8 2.5 6.1	290 280 270 300 140	4·2 5·4 3·6 2·1 6·3	300 290 300 300 140	4·4 5·9 4·3 2·3 6·2	310 300 300 310 130	5·3 7·2 3·5 2·3 5·8	290 310 290 310 130	3·8 7·2 3·0 1·6 6·0	270 300 290 310 130	1·9 7·3 3·3 1·9 7·3	280 310 290 130 130	4.0 7.8 2.0 6.1 6.9	290 310 290 130 120	3·9 7·6 2·7 7·4 7·3	300 310 280 130 120	3·5 7·3 4·0 8·2 7·6
26 27 28 29 30	180 190 220 290 150	3·1 2·8 1·0 1·6 1·6	170 200 130 300 150	3.5 3.0 0.3 2.0 4.1	160 180 210 270 140	3·2 3·4 0·4 0·9 4·6	170 170 220 220 140	4·4 4·1 1·1 0·3 5·3	150 180 220 330 130	3.9 4.9 1.3 0.2 6.0	140 170 220 310 120	4·4 5·4 1·8 0·9 6·1	150 170 220 290 120	5·3 5·8 2·8 1·0 5·6	160 180 200 260 110	5.9 6.4 3.6 0.5 5.7	160 180 200 300 110	6.9 5.6 3.2 0.6 5.5	150 180 220 310 120	6.0 5.4 2.0 0.7 4.1	140 180 230 330 190	5.9 5.4 2.1 0.5 2.3	200 200 200 200	5.8 5.0 1.4 0.6 3.1
31 Mean	320	3.4	310	3.2	310	3.0	310	3.2	310	3.3	310	3.5	310	3.7	320	3.7		3.7	310	3.7	140	3-8	180	3-9
Annual Mean		3-2		3-1		3.0		3-1		3•1		3.1		3•3		3•4		3•7		4.0		4.2		4-4
Hour G. M. T.	0 -	- 1	1.	- 2	2 .	- 3	3 .	- 4	4 -	- 5	5 -	- 6	6	- 7	7 .	- 8	8 -	- 9	9 .	- 10	10 -	. 11	11	- 12

NOVEMBER, 1935

M - D - L	. + n	a ("	ergii t	UI a	Hemom	c ter	above	5± 0u																, -,	
12	- 13	13 -	- 14	14 -	- 15	15 -	- 16	16 -	- 17	17 -	- 18	18	- 19	19	- 20	20 .	- 21	21 .	- 22	22 .	- 23	23	- 24	Mean	Day
0 200 160 140 140 140	m/s 3·1 10·6 5·9 5·6 3·0	0 200 170 140 140 160	m/s 3.0 9.5 5.0 6.1 3.4	0 200 170 140 220 160	m/s 3·4 7·7 3·3 2·0 3·7	0 190 180 120 230 150	m/s 2·0 7·0 3·7 0·4 3·5	0 190 190 120 150	m/s 4.0 5.9 4.3 1.0 2.8	0 210 190 130 220 140	m/s 3.6 4.4 5.0 1.1 2.8	220 180 120 220 140	m/s 3·5 3·5 3·9 0·4 4·8	210 210 130	m/s 4·7 3·7 4·3 0·0 5·0	220 200 140 290 140	m/s 4.8 3.2 3.8 0.3 4.6	230 220 140 310 140	m/s 4.5 3.3 6.3 0.7 4.6	250 220 150 300 150	m/s 1.2 3.6 6.7 1.5 3.9	210 210 140 290 150	m/s 2.5 3.4 6.8 0.9 2.7	m/s 3·4 5·4 3·7 5·0 2·2	1 2 3 4 5
210 310 120 160	3.6 2.8 6.5 3.2	200 310 120 170	4.0 3.7 6.6 2.9	200 150 310 120 160	2.8 3.1 4.4 6.9 3.0	200 140 310 120 160	2·8 3·7 4·3 7·0 2·7	200 140 300 120 160	1.5 3.4 3.5 6.9 3.5	220 130 290 120 160	0.5 3.6 2.6 6.5 2.1	300 130 280 110 140	0·7 3·3 3·3 7·0 3·1	310 120 280 110 140	0.8 3.1 4.1 6.3 4.8	240 120 230 100 140	0·4 3·4 2·4 6·5 4·4	290 120 220 100 250	0·5 2·5 2·4 6·5 2·7	220 120 230 100 150	0.6 1.0 2.0 7.1 0.6	230 80 220 100 150	1.0 1.3 1.8 7.3 1.4	1.5 1.5 2.5 4.5 3.1	6 7 8 9 10
200 200 160 200 290	2.6 6.4 3.1 5.4 1.5	190 200 170 200 170	3·4 6·0 2·9 5·1 1·7	210 210 190 210 180	4.0 6.4 1.9 5.2 3.3	200 220 180 210 190	3.5 6.6 1.4 4.6 3.6	200 200 170 210 200	3·2 5·8 0·5 4·4 3·5	210 210 310 210 210	2.8 4.4 1.5 2.2 2.9	210 200 310 210 220	1.6 4.1 1.1 2.8 1.8	200 200 300 220 200	0.6 4.0 0.5 2.1 1.9	180 200 300 270 200	0.7 3.3 0.8 1.1 2.0	160 210 250 170 220	2.5 1.9 0.4 1.0 3.0	160 220 230 300 200	6.0 1.9 1.3 0.3 4.2	160 210 230 210 200	6.5 2.5 1.0 0.4 4.0	2·1 6·5 <u>1·3</u> 3·6 1·9	11 12 13 14 15
180 20 80 130 110	5.4 3.8 4.5 5.0 6.8	190 80 80 130 110	3.8 4.9 6.7	200 90 120 140 100	3·1 4·6 2·3 5·1 6·8	190 80 100 130 110	2·2 5·2 1·3 6·1 7·3	210 80 60 140 110	2·7 6·1 0·5 6·8 7·9	230 90 90 140 100	2.0 5.9 0.4 7.0 6.8	220 90 100 130 100	1.3 5.8 0.9 7.2 7.0	230 100 100 130 100	1.6 5.9 0.3 7.8 7.3	210 100 330 130 110	1.4 6.2 0.3 8.1 7.7	230 90 320 130 100	0.6 5.6 0.9 8.3 7.1	320 80 310 130 100	1.0 6.5 1.1 7.3 6.9	290 80 310 140 100	0•7 6•8 0•6 6•5 8•0	2.9 3.8 3.5 4.5 6.5	16 17 18 19 20
100 110 250 280 190	5-4 4-4 1-9 4-4 4-8	100 100 250 290 210	4·3 4·4 2·3 5·0 5·3	100 110 250 310 230	4.5 4.1 2.1 4.4 5.0	110 120 250 310 190	5.2 4.2 1.5 3.7 3.4	100 120 300 310 170	4.9 4.3 1.5 1.9 3.5	110 120 300 310 190	5.2 4.0 1.6 1.4 3.7	120 120 310 290 190	3·2 3·5 2·1 2·6 4·6	110 120 300 290 200	3.7 3.9 1.9 2.2 4.9	110 140 300 280 210	4·1 3·7 1·4 3·0 5·0	120 110 300 280 210	5.8 2.2 0.8 2.4 6.9	120 140 300 250 220	5·4 2·8 2:1 2·6 9·5	120 140 300 240 220	5.2 3.0 0.9 3.5 9.8	5·7 4·1 1·9 2·5 4·5	21 22 23 24 25
240 270 270 250 230	6 • 9 4 • 9 4 • 9 3 • 8 6 • 6	230 260 280 240 220	6.5 3.1 6.4 4.4 5.8	230 240 290 220 220	6·3 2·3 7·1 4·0 5·7	240 230 290 230 210	6.5 2.1 8.1 4.0 5.7	250 230 300 230 210	6·4 2·5 8·5 3·7 6·2	240 220 300 240 210	4.5 2.3 8.0 4.8 4.9	250 220 290 240 210	5.7 3.1 7.4 5.9 3.0	250 220 300 230 210	5·1 3·2 8·1 5·3 1·9	260 180 290 230 170	4.5 2.3 7.4 5.5 1.6	260 170 290 220 260	5.9 2.2 8.7 4.6 1.4	260 200 280 240 310	5.2 3.3 7.1 5.1 1.4	260 200 280 220 310	5·2 3·6 5·4 5·4 2·8	5•7 3•4 6•2 3•9 5•2	26 27 28 29 30
	4.6		4.5		4•3		4.1		4.1		3.6		3•6		3•6		3•5		3•5		3•6		3.7	3•7	

DECEMBER, 1935

0 290 300 290 270 270	m/s 4·3 11.5 5·9 3·3	o 290 300	m/s 4•6	0	m/s	۰	m/s	۰																	
	3•5	290 270 250	11.9 5.5 3.7 4.4	290 300 290 270 240	3.9 11.4 4.8 2.9 3.4	280 300 280 260 230	3.7 11.8 4.5 0.5 2.4	290 300 290 230 230	m/s 3.6 12.6 3.8 1.0 2.1	290 300 300 280 240	m/s 6.5 12.8 4.2 1.3 2.1	300 300 300 300 300 250	m/s 8·2 12·9 4·1 1·5	300 300 300 310 250	m/s 8·1 12·0 3·5 1·5 2·0	90 300 300 230 240	m/s 3·1 13·2 4·3 0·6 2·3	290 300 300 300 300 240	m/s 8·7 10·7 5·4 1·9 2·6	290 300 290 300 240	m/s 8·2 12·1 3·6 1·8 3·1	290 300 300 270 240	m/s 8·5 12·3 3·9 0·8 2·5	m/s 5·4 10·7 5·4 3·3 2·5	1 2 3 4 5
290 310 300 320 310	1.9 0.1 0.9 3.6 2.1	290 230 300 330 310	2·4 0·3 1·4 3·3 1·9	290 220 300 340 310	2.6 0.6 0.9 3.5 1.3	290 210 300 330 310	2.7 0.7 1.0 3.1 1.6	300 210 310 320 310	2·1 1·5 1·9 2·6 1·4	300 200 310 310 300	2.6 3.6 1.8 1.9 1.4	310 200 310 310 310	2·3 3·8 2·5 2·0 1·4	300 190 300 320 310	1.9 2.6 2.9 2.2 1.5	290 190 300 310 310	1.5 2.3 2.9 1.8 1.9	300 190 300 310 300	0·3 1·5 3·1 1·8 1·4	290 210 300 310 300	1·3 2·2 3·0 2·1 1·5	300 210 310 310 310	2.0 2.9 3.4 1.5 1.2	1.6 1.4 1.5 3.2 1.6	6 7 8 9 10
120 310 300 180 220	3·3 1·5 1·9 7·0 1·8	120 320 310 180 200	2·7 2·4 2·2 7·7 2·2	140 320 310 190 220	2.7 2.1 2.4 5.6 2.5	130 320 300 190 190	3.0 1.5 1.4 6.2 3.0	130 (310) 280 190 200	2.8 2.0 0.7 6.6 1.8	130 (300) 300 190 200	2.6 1.0 1.4 8.1 3.1	130 310 280 190 240	2.9 1.4 0.8 9.1 2.1	140 310 310 190 210	3.0 1.8 1.1 8.1 1.9	150 310 310 190 220	2.9 3.1 1.1 8.8 1.2	160 310 300 180 240	2·3 2·4 1·3 7·8 0·6	150 310 310 190 320	2.7 1.6 0.6 7.4 0.4	170 310 190 310	2.5 1.9 7.4 0.7	2.7 1.5 1.7 5.0 3.5	11 12 13 14 15
310 310 290 300 310	7.6 3.1 3.4 3.4 6.2	310 310 300 310 310	5·8 3·0 3·4 4·4 5·4	310 310 300 310 320	4.0 2.5 3.0 4.2 3.5	340 310 300 310 310	3.6 2.3 2.7 3.0 5.2	350 310 300 300 320	3.9 3.5 3.4 3.5 4.8	350 310 300 300 320	3·5 3·6 2·6 3·7 5·8	330 320 290 310 310	3.6 3.3 3.1 4.5 4.7	350 320 290 300 310	3.0 2.3 3.0 4.3 5.3	350 310 300 300 300	3.8 2.2 2.4 4.0 4.8	340 320 290 310 310	4.5 2.3 2.6 5.0 4.0	30 310 300 310 320	4·1 2·4 2·6 5·9 4·5	40 310 290 310 310	4·1 2·8 3·3 6.5 4·5	4.2 2.8 3.3 3.4 4.9	16 17 18 19 20
270 310 280 130 120	2·1 7·1 4·9 9·0 7·3	250 310 270 130 130	2·1 5·6 3·7 8·7 8·4	270 300 280 130 130	4.5 6.6 2.7 8.5 8.5	280 310 280 120 130	3.6 6.1 1.9 9.5 7.9	290 310 290 120 140	5.0 5.0 1.7 9.4 7.5	280 310 300 120 140	4·3 5·0 (1·5) 10·2 7·5	260 300 240 130 140	2.0 3.5 (1.4) 10.1 6.9	280 300 290 130 160	1.0 4.7 (1.2) 10.9 5.5	280 300 280 130 160	1.5 5.5 1.3 10.3 5.6	300 290 270 130 170	2•4 5•4 1•4 10•1 4•5	280 290 300 130 180	3·6 4·5 2·2 8·7 2·3	290 300 300 140 180	4.5 4.9 2.3 8.1 2.7	3.6 5.6 2.9 6.4 6.3	21 22 23 24. 25
120 180 70 300 210	6:3 4:3 0:7 0:6 1:8	120 190 280 320 210	6·4 2·2 0·9 0·6 1·6	120 170 290 210 200	6·4 3·4 0·6 1·1 1·4	120 160 320 230 210	7.0 2.7 0.8 0.6 1.0	120 160 310 220 200	7·3 2·4 1·1 0·4 1·1	120 160 310 310	7·3 0·9 1·8 0·4	120 90 320 210	7.5 0.1 0.9 0.7	130 310 310 220	6·1 0·4 0·8 1·6	130 310 300 210 310	4.5 1.0 0.3 1.1 1.0	170 280 290 210 320	3·1 1·1 1·6 0·9 1·5	210 240 290 60 320	1.9 1.0 2.1 0.1 1.4	200 230 310 330 320	1·1 1·6 0·5 1·3	5·1 3·2 1·4 0·8 2·8	26 27 28 29 30
60	0•6	100	0•4	120	1.8	120	2•1	130	3-1	130	4.1	120	3•9	130	3•4	120	2•0	110	1•9	190	1•5	210	1•4	1.5	31
	3-9		3• 8		3•7		3+5		3•5	•••	3•8		3•6		3.5		3•5		3•4		3•2		3•3	3•5	
	4.6		4.6		4.5		4-2		4-0		3•8		3•5		3•3		3.2		3•1		3•1		3•1	3•6	
12 -	- 13	13	- 14	14	- 15	15 -	- 16	16 .	- 1,7	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day

151. ABERDEEN: Ha = 24 metres + 13 metres

1935

	Jŧ	an.	F	eb.	Ma	ar.	A	pr.	М	ау	Ju	ne	Ju	ly	1	ug.	Sep	t.	00	t.	1	io▼.	1	Dec.
Day	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Mex. 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
1 2 3 4 5	m/s 7 13 16 24 16	h m 6 35 19 05 22 05 20 20 2 10	m/s 19 31 13 9 17	h m 22 20 12 00 2 55 11 45 23 25	m/s 12 17 19 15 23	h m 18 50 5 40 6 40 22 35 14 45	m/s 27 24 22 23 23	h m 6 10 10 35 22 55 1 10 1 55	m/s 16 10 7 11 7	h m 14 25 13 30 13 35 18 40 21 30	m/s 6 9 7 11 14	h m 11 25 13 35 13 00 23 45 13 25	m/s 7 5 14 19	h m 17 35 22 10 16 05 12 50 10 20	10 6 11 11 7	h m 19 15 7 30 15 20 18 10 14 35	m/s 12 14 12 12 12	h m 12 80 2 35 11 35 13 45 11 20	m/s 12 15 17 12 15	h m 13 10 22 40 7 55 20 25 19 40	m/s 13 20 15 19 10	h m 20 10 12 30 23 20 5 25 19 20	m/s 17 27 21 13 9	h m 22 55 20 15 0 05 3 55 11 35
6 7 8 9 10	18 20 12 14 20	4 30 10 15 11 15 5 05 23 35	20 6 3 8 10	1 25 1 30 20 00 21 35 3 00	11 9 12 13 12	5 15 15 40 20 00 0 50 7 30	19 11 17 8 23	3 50 23 55 9 00 9 20 14 10	7 11 7 7 10	8 10 10 45 11 25 12 40 12 45	10 15 15 16 11	23 25 16 00 19 00 14 30 16 30	13 10 14 14 14	6 55 17 20 17 45 15 50 6 55	9 8 8 11 20	13 00 14 25 15 05 14 15 13 20	15 13 5 7 10	9 55 14 25 15 55 23 55 13 10	12 13 17 13 15	13 15 21 15 4 30 10 30 12 35	8 9 9 16 15	13 10 14 35 18 55 18 40 9 00	5 10 6 9 5	15 25 18 20 0 01 1 25 6 50
11 12 13 14 15	27 15 15 15 9	8 30 10 30 1 45 11 05 9 35	23 19 11 30 19	19 25 3 10 1 10 9 15 3 30	10 8 10 8 13	2 05 21 55 17 35 5 40 13 35	17 16 9 11 15	16 55 15 30 13 05 19 20 11 15	13 18 13 17 27	12 50 15 50 8 25 8 35 17 35	17 14 15 9 7	14 55 15 15 11 45 7 30 18 10	10 14 12 11 11	16 20 18 35 1 10 7 05 12 10	15 14 9 5 7	6 45 12 20 16 15 9 55 14 45	10 12 17 16 16	11 30 16 40 15 20 8 15 10 50	17 12 18 15 16	14 40 12 55 23 00 0 20 14 20	14 21 7 18 11	23 35 8 10 13 20 10 55 9 15	9 5 5 19 18	7 15 20 30 2 50 21 05 0 05
16 17 18 19 20	15 7 7 6 11	11 55 10 45 14 05 19 30 18 35	21 18 21 26 20	23 25 1 30 11 40 3 05 11 50	7 5 10 15 15	15 30 14 30 11 05 4 40 18 30	19 10 7	12 40 13 50 13 15 13 55 12 10	21 21 16 15 14	8 05 14 40 1 10 23 15 0 30	7 11 7 13 14	14 00 0 20 13 05 17 45 12 55	10 9 9 12 16	12.50 10.55 10.45 15.40 13.50	7 11 11 11 15	14 25 13 00 17 55 15 25 15 15	14 21 14 25 18	15 35 14 05 14 10 22 20 0 50	11 23 24 27 26	15 20 22 15 20 10 10 40 4 20	13 15 14 16 16	9 50 20 20 8 40 21 25 19 25	13 8 9 13 13	12 40 1 40 5 45 23 05 5 10
21 22 23 24 25	11 12 23 25 31	20 10 12 15 9 25 22 55 0 40		3 00 22 40 6 45 23 50 13 30	11 14 14 16 19	16 30 13 25 11 35 9 25 19 15		3 15 23 40 11 05 9 50 8 15	9 7 8 9 11	13 35 12 00 17 15 13 25 15 35	15 12 8 9	12 00 14 40 4 35 7 05 3 40	20 11 15 11 14	9 25 15 35 11 20 18 10 15 15	18 8 6 9	14 20 11 10 16 05 20 10 23 35	9 11 16 9 15	8 50 20 10 9 25 2 15 13 45	15 10 18 19 12	14 50 14 55 19 05 2 55 1 55	16 11 10 10 23	8 55 2 40 0 15 13 55 22 45	11 17 12 21 16	0 45 11 50 0 30 17 40 14 00
26 27 28 29 30	26 21 9 9 15	5 25 4 45 23 15 6 20 17 15	14 25 16	23 35 14 00 0 45	21 17 11 12 9	10 45 1 05 10 15 3 30 2 45	12	7 35 12 50 10 20 10 15 12 30	11 7 5 6 9	14 10 13 50 14 25 12 25 17 10	9 11 11 14 8	13 55 9 10 9 00 15 45 11 50	15 15 20 20 15	15 10 19 10 9 30 10 30 12 15	18 11 15 12 11	7 00 2 25 10 55 4 40 4 00	14 11 15 14 15	22 50 0 05 17 05 19 50 0 25	17 9 11 19	17 10 0 20 22 55 19 45	20 13 18 13 18	1 45 12 20 17 25 10 40 8 15	16 15 8 5 12	17 15 6 45 8 00 1 20 8 10
31	20	13 25			19	11 00			9	14 10	4-		11	16 35	7	0 40			*				10	17 25

^{* 30}th and 31st October - Record incomplete.

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

152. ABERDEFN Ha = 24 metres + 13 metres. Tube Anemometer.

1935

					D	ISTRIBUTION	OF WIND SP	EED.				EX	TREME VELOCIT	IES.		
	MONTH	•	More than 1	7·1 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	Highes	t Hourl	y Wind.	Hi	ighest G	ust
			Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer From N.	Speed	Mid Time	Speed	Date	•
Jan.	•••	•••		hr O	6	hr 16	hr 213	hr 396	hr 119	hr O	o 340	1/8	day hour 28 5 30	m/s 31		- M
Feb.	•••	•••		o	5	22	195	272	183	0	290	17	14 9 30	31	2 12	oc
Mar.	•••	•••		o	1	5	143	480	116	0	270	n	26 15 30	23	5 14	44
Apr.	•••	•••		o	4	14	206	403	97	0	290	14	1 6 30	27	1 6	1
May	•••	•••		0	1	5	91	446	202	0	34 0	13	15 17 30	27	15 17	3
June	•••	•••		0	0	0	68	455	197	0	150	8	11 13 30	17	11 14	5
July	•••	•••		0	0	0	143	401	200	0	290) 300)	9	(5 8 30 (28 9 30	20	28 9	3
Aug.	•••	•••		0	0	0	61	414	269	0	210	9	10 13 30	20	10 13	2
Sept.	•••	•••		0	1	2	121	445	152	0	250	11	19 21 30	25	19 22	2
Oct.	•••	•••		0	3	14	195	451	84	0	270	14	19 10 30	27	19 10	4
Nov.	•••	•••		0	0	0	162	38 9	169	. 0	130	11	4 5 30	23	25 22	4
Dec.	• • •	•••		0	2	14	126	426	178	0	300	13	2 20 30	27	2 20	1
Year	•••	•••		0	23	92	1724	4978	1966	0	290	17	14 9 30	31	25 0	4

1935

153. ABERDEEN

78-9

77-8

78-1

١	Ja	n.	F	eb.) h	lar.		pr.	,	fay	Ju	mė	· 2	ıly	. At	νg.	S	ept.	0	ct.	No	ov.	D	ec.
y	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30cm	122cm	30 c m	122
7	OA.	O _A	°A	°A	OA.	OA .	ο <u>Α</u>	∘ ▲	0▲	•▲	ο_Α	°A	°A	°A.	°A	O _A	°A	٥A	٩o	o _A	O _A	°A	°A	0,
, I	78-3	79.6	76.3	78.1	76-6		80.1		81.6	80.3	84.1	82.3	88-0	85.0	87.7	86 - 5	87-2	86.9	83-9	85-0	79-3	82-0	77-2	
	78-0	79-7	77-0	78-1	77-1		79.5	79.3	81 - 6	80-4	84.3	82.4	87.5	85-2	88-4	86-5	87.5	86.9	83.5	84.9	79-4	81.9	76-8	
	78-4	79-6	76-6	78-0	77-2	77-6	79-0	79-3	81.8	80.5	84.0	82.5	87-9	85-2	88-2	86.5	87-5	86.9	83-3	84.9	79・6	81.6	76 - 7	79
	78-5	79-5	76-3	78-0	77-1		78-9	79-4	82-4	80-6	83.6	82.6	88-0	85-3	88-4	86 • 5	87-2	86.9	83-5	84.7	80.1	81.5	76・4	
	78-1	79-5	76 • 1	78-0	77-0		78-3		82.7	80-6	83-4	82-6	87•9	85-4	88•9	86-5	86-9	86-8	84-0	84•6	80-6	81.5	76•3	79
۱ ،	77-7	79-5	76-0	78•0	76 - 7	77-6	77-8	79-2	83-1	80-8	82-8	82-6	87-5	85.5	89-1	86-8	86-5	86-8	84-0	84.5	80-6	81•5	76-0	
	77-4	79-4	76-0	77.9	77-0	77-8	78.0	79-1	83-3	80-9	83-5	82.6	87.5	85-4	89-6	86.8	86 • 2	86-6	83.6	84.5	79.9	81.5	75.7	7
	77.2	79-3	76-0	77-8	77.2	77-8	78-3	79-0	82.9	81.1	83.9	82-6	88-0	85-6	89-8	86.8	86-0	86 • 6	83.4	84-4	79-5	81-4	75-5	
	77-0	79-1	76.1	77 - 7	77-4	77-8	78-0	79-0	83-0	81.2	83-6	82.7	88-4	85-7	89-4	86 - 9	85-8	86 • 5	83-2	84 • 4	79-3	81-4	75.5	
	76-6	79-1	75-8	77-6	77-3	77-7	78-4	79-0	83-6	81.2	84-0	82.7	88•5	85-7	89-4	87.0	85-8	86-4	82-6	84.3	79-4	81.2	75-4	7
. 1	77-4	79-0	76-0	77-6	77-1	77-8	78-9	79-0	83-6	81-4	83-7	82-7	88-3	85-9	89-1	87-0	85-9	86 • 3	82.2	84-1	79-8	81-1	75-2	
	77-5	78-9	76 - 5	77-6	77-0	77-9	79-1	79-0	83-5	81.5	84.3	82.9	88-8	85-9	89-0	87.1	86.1	86.1	81.9	84.0	79-5	81.2	75-2	7
	76.7	78-9	76 • 7	77.6	77.3	77.9	79-0	79-0	82-8	81.7	84.7	82-9	88-9	86-0	88-2	87.1	86 - 2	86.1	81.9	83.9	79-2	81.0	75-1	7
	76-4	78 - 7	77-1	77-6	77.5	77-9	79-1	79-0	81-5	81.6	84.9	82-9	89-1	86-0	88.0	87.1	86 • 4	86 - 1	82-4	83•7	78-4	81-0	75-1	7
	77-2	78-6	76-8	77-6	77.5	77-9	79・3	79-0	81.5	81-6	85-1	83-0	88-1	86-0	88-2	87-1	86.3	86.0	82.7	83-6	77-9	80-8	75-1	7
	77-6	78-6	77-0	77-7	77.5	77-9	79-5	79-0	81-0	81-6	85-2	83-1	88 • 5	86 • 2	88-2	87•0	85-9	86•O	83-0	83-6	77-9	80.7	75-0	
· Ì	77-3	78-6	76-9	77-7	77-6	77-9	79-4	79-1	80-6	81.5	85-5	83.3	88-5	86 • 3	88 • 5	87•0	86 • 1	86.0	82.8	83.6	78 • 4	80•4	75-0	
ı	77-4	78-6	77-1	77-7	77-8	77-9	79-4	79-2	80-3	81.6	85-3	83-4	88-2	86 • 4	88 • 5	87.0	85-7	86-0	82.3	83.6	78-3	80-2	75-0	
1	77-5	78-6	78-0	77-7	78-2	78-0	79.9	79-3	80-8	81.4	85-8	83-6	88.0	86 • 5	89-0	87-0	85-7	86-0	82-0	83-5	78 - 7	80-1	75-0	
۱,	77•5	78-5	78-0	77-8	78-9	78-0	80-1	79-3	81.6	81.3	85-9	83-6	88•0	86 • 4	89-4	87.1	85•7	85-9	81.7	83•5	79+2	80•0	74-9	7
ı	7 7-5	78-5	78-0	77-9	79-1	78-2	79-9	79-4	82.4	81.3	85-8	83-7	87-7	86-3	89-5	87-1	85-5	85-9	80-7	83.5	79-6	80-0	74.9	
	77-7		77-6	78-0	79.5	78-3	80-6	79-5	82.7	81.3	86 - 2	83-9	87.9	86 - 4	89-0	87-0	85-3	85+8	80-0	83.1	79-5	80•C	74-8	
	77 - 7		77-5	77-9	79.8		81.4		82-6	81.4	87-1	83-9	88-0	86 • 5	88-6	87-1	84-9	85-8	80-0	83-0	79-3	80•2	74.8	
	77-7	78-6	76 • 7	78-0	79-5	78-5	81.0	79-7	83.0	81.5	87-6	84.0	88-4	86 • 5	89-0	87.1	84-6	85 - 7	80-2	82-8	78 - 5	80•1	74.4	
	77.9	78-6	76-1	78-0	79.7	78-6	80-8	79-8	83.5	81.5	88+0	84-1	88-3	86 - 5	89-0	87-2	84-6	85-7	80-6	82-6	78-0	80-1	74.2	7
1		.0.3			l' '	1	1 50 5	'' "			1 .					}						!		١.
: 1	77-0	78-6	75-8	78-0	80-0	78-7	81-0	79-9	83-9	81-6	88-1	84.3	88 • 5	86 • 6	88-4	87.2	84.0	85-5	80-6	82.5	78-1	80-1	74-4	1 .
	76 - 7	78-6	75-6	77-9	79-7	78-8	81-0		83-9	81.8	87-9	84-6	88-4	86-5	87-9	87-2	84-0	85-3	80.7	82-4	77-8	80-0	74-8	
	76-2	78-6	75-7	77-7	79-6	79-0	81.2	80-0	83-9	81-9	87-7	84.7	88 - 2	86 • 5	87-5	87-1	84.3	85-0	80-5	82.4	77-8	80-0	75-6	
	76-0	78-5			79.6	79-0	81.4	80-1	83-9	82-0	87-9	85-0	87.8	86 - 5	88 • 7	87 • 3	84-0	85-1	80.5	82.2	77-9	80.0	75-3	
	76-0	78-4			79.6		81.8	80.1	84-0	82-1	88 - 2	85-0	87-3	86.6	87-0	87-1	84.2	85.0	80-3	82-1	77-7	79-7	74-9	1 7

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

83.3

88-1

87-3 86-6 86-9 87-0

88-5

87.0

85-7

86-1

86-0

•	\sim	7	c

75-1

81-6

79-9 82-0

83-6

79-0

80-7

Year

82-0

76 - 7

78-0

81.7

enth	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
ay	° <u>A</u>	од	°A	° <u>A</u>	°A	0▲	∘_∧	°A	°A	°A	o <u>A</u>	o _A
~i	71.9	74.8	73-2	77-1	78-5	77.0	81.4	79-9	78-8	73-4	74.0	69-5
2	74-0	74.5	76-9	73-2	75-0	79-0	83-6	84-5	85-2	72-2	71.7	73-1
3	74-6	67-7	77-1	72.8	76 • 6	78-1	78.7	83.4	77-8	82.5	71-8	73-6
		71-9	72-7	69-8	77-4	78-7	83.9	85-3	78-7	81-8	82-6	73-6
5	76 • 9 75 • 2	70-6	72.7	67-9	75-3	79-8	85-3	87-4	80-9	81.9	71-9	65-8
	60 0	71-2	71-4	71-2	77-4	79•7	82-4	83-9	78-4	81.3	75-9	66-9
6	73-0		70-3	68-8	75-1	81.7	77.3	80-6	77.1	71.7	68+3	66-4
7	74-1	70-4		75-0	72-9	80-9	79-4	85.1	77-5	80-0	75.7	68-6
8	74-7	74.8	74.7				81.9	84-9	74-9	72-9	68-5	70-5
9	69·9 74·2	67·8 71·3	75·8 74·4	71·3 74·2	74·8 78·1	73·5 79·2	80.7	84.8	79-9	73-0	74-0	71.2
10	14-2	11-3	,,,,,,		-			i				
11	78-3	71-2	74-2	74-2	75-2	81-8	83-1	86-9	83-0	71.8	73-1	69.7
12	71-9	78-6	68-1	74-1	75-4	81.3	80-1	77-9	79-9	72.6	72-5	74.7
13	69-9	72-3	74-6	68-0	74.8	78-5	86-6	74-9	84-2	80-3	69-9	69.2
14	72-3	74-3	76-1	77-0	72.1	77-8	85.0	82-4	84-0	81.0	<u>66∙1</u> 70∙0	72-9
15	77.2	71.6	70-1	76-1	69-9	80-5	79-0	83-6	82-4	82-1	70-0	74.7
16	74-8	74.7	69-9	78-6	71.9	75•7	79-8	79-3	80-8	76-9	73-1	68-1
17	71.6	74-1	76-9	76-7		79-9	80-2	82-6	82.7	76-8	70-0	70-9
18	77.7	78-9	72.3	78-4	<u>69∙7</u> 73∙5	80-7	77.0	86-6	79-4	74.5	79-6	71.2
		81.7	79-4	74-4	75-3	78-8		84-0	81-4	78-2	75-5	70-6
19 20	75·8 74·7	71.7	78-5	71.9	78-1	82.5	75·5 83·8	84.5	82.8	74-7	79-7	72-8
			74-0	78+9	76-8	80-6	81-9	86-1	74-7	69-6	78-7	72.0
21	74-6	76 • 7				83-6	76.3	76-3	78-0	69.9	78-2	68-3
22	76-6	72-8	79-7	77.4	72.9	84-7	85.0	80-6	79-6	75-1	76-0	67-8
23	74-1	72-2	73-4	79.0	80-2		77-9	84.5	73.3	79.8	67-9	
24	76 - 4	64-7	74-2	70-2	74.7	84-8	80-6	85-3	75.7	79-4	71.6	<u>64-6</u> 75-5
25	72-6	71-3	77-9	74-4	79-1	84-3	80-6	65-3	13-1	10.4		
26	72.0	63-1	76-3	74-6	79-6	85-1	78-6	84-1	73-9	71.7	77-9	78·6 79·0
27	71-3	63·1 70·1	76-5	78-6	79.5	84-2	86-3	82-8	77-1	76-8	78-1	78-7
28	65-8	76 - 4	72-4	77-9	77-7	84-9	82-4	78-1	79-3	75-1	76-6	
29	72.6		75-3	79-6	78-3	80-1	81-2	81-4	74-1	79-4	72.1	69-1
30	69-7		75-1	79-1	79-3	83-3	79-6	81-6	77-6	72-5	72-5	68-6
31	72-9		79-1		75-5		77-4	84-3	••	74.0		72-7
lean	73-6	72-6	74-6	74-7	75-8	80-7	81-0	82-8	79-1	76-2	73-6	71-2

Hotes.- (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.

	I	Cloud Forms					Amo				Visib	ility		1		Pr	ecipi	tatio	n.	<u>. </u>	Remarks on the Weather of the Day.
Day	7h	13h	18h	72	96	134	15h	8h 2	1b 7) pi	136	154	184	214	7b	9h	13h	15h	18h	21ь	
1	Ast	Acu:Ast:Ci	Acu: Ast	9	9		7	9 1	ر ه	I H D H	H E 1 k	H	Gij	٥	•						b, c, bc, z, a : bc, c, p : $c \bullet \circ$,
- 2	Nbst	Stcu:Cist		10	10 10	9	1 7	0	0 Ğ	12	15	밥	1	: 1			 		\		b.a., cy, c, a : bc, cqp \bullet , p : bc, b, bc, n .
3		Acu:Ci	Steu Cunb: Steu	6		8	á	5	313	17	1	17	11	11			1		l	l	bc, cp $ \bullet q$, a : cqp $ \bullet \bullet$, bcq, p : bcqp $ \bullet \bullet$, n .
4	Cu:Stcu	Cunb:Stcu Cu:Stcu:Acu: Ast:Clst		2				5	2 j	13	1	1	k	į.		1				١	b, cp \bullet , a : cp \bullet , c, p : cp \bullet , bc, cp \bullet , n .
5	Cunb:Stcu	Cuistcuiacu: Abiculou	5000	l ~	ľ	ا ا	Ĭ	1	٠١,	1		1 1				1	1	1	1	l	
6	Cunb	Frnb:Cunb	Cu:Stcu	2	5	9	9	9	8 k	k	k	k	k j H	3 l	•••						$cqp \bullet, a : cp \bullet \frown, p : cp \bullet, n.$
7	Cunb:Stcu	Cunb	Frnb:Cunb	8		9	8	9	9 k	k	k	k	1	j	•••				1 -		$p \bullet^0$, $cqp \bullet A$, $a : cp A$, $p \bullet$, $p : cp \bullet$, bc , n .
8	Frnb:Ast	Frnb:Cunb	Ci	9	10	9	8	2	o i	G	H	G	H	1			·				b, cp ●, p ● * ▲, a: cp ●, b.a., p: b.a, n.
9			Stcu:Acu:Ast:Cist	0		9	10 10	9 1	o i	k G H	k H G	F	H	9				:::	••		b∟, c, a: c ∟, p : c ∟, c, n. c, c, a: c, i ● , p : c ● , c, n.
10	Frnb:Acu:Ast:Cist	Frnb:Acu:Ast:Cist	Frnb:Acu:Ast	70	10	1 1	1	- 1			4		-	- 1				1	_	l	0.22, 0, w : 0, 1 • , p : 0 • , 0, m
11	Frnb	Cunb:Acu:Ast:Cist	Frnb:Acu:Ast	10	10	9	9	9	9 1	Ħ	13	11	j j j H	k I	●0	•	•	1	•	l	$c, o \bullet ^{\circ}, c, a : c \bullet ^{\circ}, c, i \bullet ^{\circ}, p : c \bullet ^{\circ}, c, bc, n.$
12	Cu: Stcu	Cunb		ľi	3	2	ī	ō	ili	lī	k	i	١٤	3 [1		I	I	l	b_1, bcp *, a: b, p: b, bcp *, n.
13	Cunb	Cunb:Ast	Nbst	1 6	9	10	10	10 1	0 1	15	13	1	i	ĭ	 *°	l		₩°	*°		\mathbb{K} bcp \mathbb{K}^0 , c, $a: co \mathbb{K}^0$, $p: o \mathbb{K}^0$, \bullet^0 , $p \bullet$, n .
14	St	Cu:Stcu	Frnb	9	9	9	9	9	9 j	ļĭ	j	h	1	j		{			●°	 	$o, cp \bullet, a : c, cp \bullet, d_{\underline{o}, p} : cd_{\underline{o}, c, n}$
15	Stcu	Stcu:Ci	Stcu	2	9	9	9	9 1	9 i 1 1 0 j 9 i 0 k	1	i k	H	H	1	•••	• • • •					c, bc.a., c, $a:c, p:c(\overline{U})$, c n .
			01. 01.4	١,,		اء	٠,١		٠١,	1	1-	١. ١		٠l		l	 	}	l	ļ	c, p , bc, a : bc, b, [], p : b[], bc, n.
16	Acu	Cunb:Steu:Acu Cu:Cunb	Ci: Cist Stou	10	100		10	ıőlı	្សាះ	14	17	1:1	1	ŧΙ		 			:::		bc, c, p @ *, a : c, p : c, n.
17 13	Steu Steu	Frst:Stcu	Frat: Stou	10	10	10	10	ioli	ŏli	G i	13	k	1	ķΙ	•••		J				c, a : cg, p : cg, c, n.
19	Steu	St:Steu	St: Stcu	10	10	10	10	ioli	οij	1	ľi	ī	i	ī		1		1			c, og, c, a : cg, c, p : c, n.
20	St: Stcu	Stcu	Cu: Stcu	10	9	9	9	8	3 1 0 0 0 1 0 0 0 1 0 0 1	1	j	i j k i j	1 1 1 1 1 1	j				 			$c, p \bullet^{\circ}, a : c, p \bullet^{\circ}, p : c, n.$
		,		1	1	1	1	- 1	- 1	1						ì	1	1		ł	bc.c., c, bc, a : bc, c, p : c, bc, n .
21	Acu: Ci	Stcu:Acu:Ci:Cist		7		7	9	9	5 j 0 k 7 k	1	1	3	1	į	•••						bc, c, a: c, bc, p: bc, b, bc, *.
22	Cu: Stcu	Stcu	Stcu	9 5	10 8	9	9	3	0 K	13	K .	K	K	ř	•••		:::	:::			bc, c, bcqy, a: bcy, cy, c, p: c, bc, c, n.
23	Stcu:Acu	Cu: Stou:Acu	Stcu:Cist	9		7	10	-101		1	I K	1	7		•••	:::		1			lc. p♠0, bc. a : bc. c. b : cq %.
24 25	Stcu Frab	Stcu:Acu Cunb	Stcu:Acu Cunb	9		3	9	611	0 k 7 k 8 j 0 H	- 14	j k j k	1	j k k j k	1	*	*0	:::	1	**	*	, o, qp *, bcy, a: bcqy, p *, p: bc, o * n.
25	rmo	cuito	Ouro	ľ		١٦	~	٦-	٠, "	1	1	1 1		ı		1	1		1		
26	Frnb:Cunb	Cunb	Cunb	9	9	6	7	8	7 1	H k H	k k H	11	j k G J	k k G	*▲	*▲	 *		*°	 * º	
27	Cunb	Cu: Cunb	Cunb	6		5	3	9 1	ОН	k	k	k	k	k	₩°			l::.		l:::	★, bc, qp ★, a: bc, p ★, D, p: D, n.
28	Acu	Cu: Stcu	Frnb:Ast	9			10	9 1	្រុ	H	H	G	G	Ğ						••	Hip, c, a: cy, ca, p: c, oi , n.
29	Stcu:Acu:Ci	Cu:Stcu:Acu	Stcu:Ci	3	9	6	9	6 1	0 H 0 j 0 1 2 H	j	k	i	9	Ģ	•••						b, c, f, $p \oplus ^0$, $a : cp \oplus ^0$, qc , $p : c$, b .
30	Acu:Ast	Stcu:Ast	Cunb: Stcu	•	10	9	9	- 1				12		3	•••			ļ	ļ	1	D, C, 1, p -, a . cp - , dc, p : c, c, n.
31	Stcu	Cunb:Stcu	Frnb	1	5	1	1	4	0 1	k	1	1	k	k	•••	••					b, bcp $lacktriangle$, by, a : by, q , bcp $lacktriangle$, p : cp $lacktriangle$, q , b , n .
				-		\vdash	+	十	+	+	+	1 1		十		_	_	_			
Mean	į į	į.		6-7	8-2	7.€	7-4 6	-96	.4	1	1			٠]	1	1) ·			Ì	1
Cloud Am'nt.	l			I '	[]		-[-1-	- 1		1	H		- 1		1	l	1	ļ	I	· ·

	15	6. ABERDEEN										·····	-		<u>.</u>							FEBRUARY, 1935
	1 2 3 4 5	Frnb Cunb Cunb:Stcu:Ci Stcu Acu:Ast	Frst:Acu:Cist Frnb:Cunb St:Stcu:Acu:Ast:Ci Cunb:Stcu:Acu Cunb:Ci	St:Stou:Ci Frnb: Cunb Stou Acu:Ast Cunb:Stou	10 8 1 9	10 5 10 9	9 9	9 9 9 9 9 7 6	0 1 5 1 9	1 1 1 1	F j H j	i l i H k	i H i	i k j k i i j j		: :			 *° 		 •°	o, ●°, c⊕, a : c⊕, c, bc, p : bc, b, q, n. bcqp●°, cqp*, a : c, p*°, qp*, p : cqp*, b≧, n. ⊞∟, y, cf, a : c, p : c, b, c, n. b∟, c, f, c, a : c, p : c, b, ∟, n. b∟, y, a : by, bc, p : bc, cp●°, n.
	6 7 8 9	Cunb Steu:Acu:Ast Frnb:Ast Ci Steu	Steu Acu:Ast Steu: Acu Acu: Ast Acu: Ast: Cist	Cunb:Stcu St Stcu:Acu Acu: Ast Acu: Ast:Cist	6 6 10 1 9	7 8 8 0 9	3 1 8	9 3 9 10 1 1 8 4 7 8	1 3 10		1-	k 1 H H	k i G H	k j E G F E G 1		:: : :: :	::				 •° 	$cp igoplus^0$, $p \not \otimes^0 igoplus^0$, bcy, $a : cy$, bc, $p : bc$, c, bc, n. bc, c, $a : c$, o, f , $p : of$, $ci igoplus^0$, n. $ci igoplus^0$, bc, $a : bc$, bz, $p : b$, $f dash n$, bf $dash v$, v , v , v , v , v , v , v ,
1	1 2 3 4 5	Stou:Acu Stou Cu:Stou Stou Ast	St:Ast Gu:Stcu:Cist Gu:Stcu:Acu Gunb: Ci Frnb:Ntst	Frnb:Acu:Ast Stcu:Acu:Cicu Stcu:Acu Stcu:Cist Frnb	9 2 9 2 10	6 8 6 7 10	10 1 9 8 3 10 1	1	9 8 9 9 10	4			1 1 1	H J 1 G 1 H F H E G				•°	 			c, \sqsubseteq , bc, \bigoplus fc \bigoplus 6, a : ci \bigoplus 6, p : c, q, d $_{\bullet}$, n . c, b, c, a : c, bc, \biguplus 7, p : bc \coprod 7, c, n . c \bigoplus 7, c, bc, a : bc, c, bc, p : bc, c, i \bigoplus 6, n . ci \bigoplus 7, b, qo \bigoplus 1, \bigvee 1, d \bigoplus 7, a : bc, cp \bigoplus 7, p : c \coprod 7, c, n . c, \bigoplus 7, c, a : c, o \bigoplus 7, p : o \bigoplus 9, f; ci \bigoplus 9, n .
1 1	€ 7 8 9	Nbst Acu:Ast:Cist Stcu: Ast Frnb:Acu:Ast:Cist Frnb	Frmb:Nbst Cu:Stcu:Acu:Ast:Ost Frmb:Acu:Ast Cu:Acu Frmb:Acu:Ast	Frnb;Nbst Frnb;Acu;Ast Frnb;Stcu; Acu;Ast Acu Stcu;Ci	10 9 10	9	4	0 9 0 10 9 10 7 1	8 10 9 0			1 (G 1	- 1			::	[•••			$c \oplus$, $a : c \oplus$, $p : c$, \square , b , c , n . c , $a : c$, y , $(a, p) : c$, \square , n . c , \bigoplus , $a : \operatorname{cid}_{\mathfrak{g}}$, c , $p : c$, n . c , \bigoplus , beq , $a : \operatorname{be}$, \bigoplus , b , $p : \operatorname{b}$, c , n . $\operatorname{ci} \bigoplus$, $\operatorname{c} \bigoplus$, c , c , c , $\operatorname{ci} \bigoplus$, c , c , c , c , c , $\operatorname{ci} \bigoplus$, c ,
2 2 2	1 2 3 4 5	Stcu:Acu Frcu:Ci Cunb:Stcu:Ci Cu:Stcu	Cunb:Stou:Ci Cu:Stou:Ci Cu:Cunb:Ci Acu: Ci Cunb	Steu Cunb: Steu Cunb: Steu St:Steu:Ast Cunb	5 2 9 0 9	8 2 7 1 4	8	8 5 9 10 7 1 9 9 3 8	0 9 1 0 8 9	k k 1 k	k k 1 k 1	k k k m	k l k i k	k h k k k k j	:	:: : :: :				* °		b, c, q, $p \spadesuit^0$, $a : cy, bcq, p : bcy, b, n. b, a, \sqcup, bcy, a : cy, p \spadesuit^0, p : cp \spadesuit, n. cp \spadesuit, qp \bigstar^0, bcy, a : bcy, p \bigstar A, p : b, \sqcup, n. b\sqcup, bcy, a : cy, p : cy, p \bigstar^0, c, n. c, y, p \bigstar, b, a : b, cp \bigstar^0, p : cp \bigstar^0, bc, n.$
1 2	86 17 18	C1 Acu:Ast Frnb	Acu: Cicu Frcu:Cunb:Ast Frnb:Cunb	Acu: Ci Frnb St: Stcu	1 9 10	8 8 10	7 9 1	7 4 0 10 9 10	1 0 10 9	i j H	i H G	k 1 G	j 1 H	i i G j H	١.	.	••		 •°	•	•	$ \boxtimes$ b, cy, bey, a : bcy, bc, p : bc, b, n . c, y, \bigoplus , q, a : cy, o, p : o, o, od, n . o, \bigoplus , p, a : c, p : ci \bigoplus °, b, n .
C	ean loud m'nt.				6-6	7-1	7-1 8-	074	6-0													
)ay	7h	13h	18h	7ь	9h 1	3h 15	jb 18	h 21h	7h	9h	13h	15h 1	8h 211	7	h S	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	-		Cloud Forms				d Ar		ıt	l	1	/isıbi	ility				P	recip	itati	on.		

		Cloud Forms					mou orms)				Visi	bility	y				Prec	ipitat	ion.		
Day	7⊾	13h	184	7a	96	3h I	5 h 18	h 21	h 71	91	13	156	181	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1 2 3 4 5	Frst:Stou Frab Frab: Ast Stou: Acu Stou:Acu:Ast:Cist	Frst:Stou Cu:Stou Frnb: Ast Cu:Acu:Ci Cu:Ast	Frnb:Cunb:Nbst Frnb:Acu:Ast Frnb Frst:Cunb:Acu Cunb:Stou:Cist	9 10 10 3 9	2 10 10 2 10	10 1	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0 10 0 10 0 10 2 10 1 0	H	H	H i H k	H j H j k	H 1 H i k	H H i	::• :::			•••	• • • · · · ·	• 2 • 2	bc, c, a : c, $p \bigoplus^0$, p : ci \bigoplus^0 , n . o \bigoplus , c, a : c, ci \bigoplus^0 , p : ci \bigoplus , n . ci \bigoplus^0 , o \bigoplus , a : ci \bigoplus^0 , o \bigoplus , p : o \bigoplus , c, n . c, bc. \triangle , y , a : bc, b , p : b, b, c, n . c, y , a : cqp \bigoplus , b, p : b, n .
6 7 8 9	Acu:Ast:C1 C1 St:Stcu Stcu Stcu	Stou:Acu St Cu: Acu Stou Stou	St:Stou:Ast Frst: Ci Stou Stou:Ci Stou:Acu	9 1 9 9			9 10					k E j k	k H H	10111			 				b, \square , c, $a : c$, $p : c$, b, n . b, \square , ff, $a : off$, b, \square , $p : b$, bc, n . bc, \square , c, bc, $a : bc$, c, $p : c$, n . c, $p : c$, $p : c$, $p : c$, n . c, $p : c$, $p : c$, $p : c$, $p : c$, $p : c$, $p : c$, $p : c$, $p : c$, $p : c$, $p : bc$
11 12 13 14 15	Stou:Acu Cu:Stou Stou Stou Stou	Frou Gu:Stou Stou Stou Gu:Acu	Cu Stou Stou Stou:C1 Cunb;Stou	1 3 10 10 9	1 9 10 10 9	1 9 9 7	1 9 10 10 9	1 2 10 10 10 4 0	1 F	k E 1 H j	l k i j G	k 1 1	k j H j	H H G H							b, b, a : b, p : b, n . b, Vff, cff, c, a : c, p : c, o, c, n . c, a : c, p : c, n . c, bc, a: bc, c, bc, p : b, c, n . c, bc, a : bc, c, p : c, n .
16 17 18 19 20	Stou:Aou St St CunbiStou:Ast Cu:Stou:Cist	Cunb:Stcu St:Stcu Stcu Stcu: Acu Cu:Ci	St Cunb:Stcu Frnb:Acu:Ast Acu:Ast Cu:Acu				10 10 10 10 9 10 10 10					G H G G	G H G K	GHGH;				•••	 •°	•••	bc.a., c, off, c, a : c, og, p : og, o, n . o, c, a : c, u, p : cu, bc, c, n . c, om, cz, c, a : c, \bigoplus , p : c \bigoplus , n . c \bigoplus , c, a : c, p : c, \bigoplus , c, n . cq, b, y, cy, a : cy, p : cy, c, bc, n .
21 22 23 24 25	Stou:Ci St:Stou:Ast Cu:Stou:Aou Cu:Cist Stou:Aou:Ast:Cist	Stou:Aou:Ci Ou:Aou Ounb:Ci Ou:Cist Ou:Ciou:Cist	Stou:Ast Cu:Stou:Aou:Ci Cu:Stou:Cist Aou:Cist Stou:Ciou:Ci				10 10 3 5 7 9					1 1 k 1	i H k G j	10 W La			ند	:::			bc.a., c, \oplus , y, $a : cy \oplus$, c, $p : c$, i \bullet ⁰ , n . c, $p \bullet$ ⁰ , bcy, $a : bcy$, bc, c, $p \bullet$ ⁰ , $p : c$, $p \bullet$, bc, n . bc, b. a., cqp \bullet , y, $a : cy$, \oplus , y, $p : c$, $p : p \bullet$ ⁰ , c, n . bc, b, bcy, $a : bcy$, \oplus , bc, $p : bc$, $a : cy$, $o : c$, $o $
26 27 28 29 30	Frou:Acu:Ci Cu:Stou Stou:Acu:Ci Frnb: Cumb Frnb: Ast	Cu Gu:Cumb;C1 Cu:Stcu:Cist Acu:Ast Cu:Stcu	Gu:Acu Cunb:Stou:Acu:C1 Cu:Stou: Ast Stou:Acu:Ast St:Mbst	3 1 4 9 10	6 6 8 10	4 6 IC 1 9	2 8 10 10 10 10	2 0 5 10 0 10 0 10	1 1 k	l k k	1 k k k	k 1 k	l k j j	1 k j j	 •°					 •°	b, bc, y, q, a : bcy, by, q, p : by, b, n . b, n , bcy, a : bcy, cy, m , bc, p : bc, b, n , n . b, bc, bc, m , cy, m : cy, m
31	Stcu:Nbst:Acu:Ast	Cunb	Stou:Ast:Cist	9	9	9	7 1	9	k	k	1	1	1	1		••					$0 \oplus {}^{a}$, c, $p \oplus {}^{a}$, $a : c$, bc, q, \bigoplus , cy, $p : cy$, $p \oplus {}^{0}$, bc, n .
Mean Cloud Am'nt.				7-1	7-07	7-97	-97-	47.	1												

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APRIL, 1935

 					T	Т	1			T	Т		Г							
1 2 3 4 5	Cunb: Acu Cunb Cunb: Stcu Frnb: Cunb Frnb: Cunb	Frnb:Cunb _Cunb Frcu:Cunb:Cist Frnb:Cunb:Ci Cu:Stcu:Ci	Cunb:Acu:Ci Cunb:Acu:Ci Cunb:Stcu:Ast Frnb Cunb:Ci	9 5 8 10 4	9 1 7 9 10 9	0 10 3 0 9 10 6 1	9 3 3 10 9 10 4	9 0 10 10	k k E k	1 1 1 1 1 1 1 1 1 1	i j k 1 1 1 1 i G	k 1 k	j k j k	•°: ** ::	●² *° *	• : : : :	*°	 •° *°	•° •° ···	bc, y, $-\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!\!-\!\!\!\!$
6 7 8 9	Cumb:Ci Ci Frnb Frnb St	Cu:Cunb Cu:Cist Cunb:Stcu Frst: Ast Frnb:Nbst		2 7 10 10 10	7 10 10 1 5	0 1	9 9	10 6, 2 9	k j G	1	k k k k i j j l	l k k G k	k G j	: : ••°	•°	 				
11 12 13 14 15	Cunb: Stcu Acu Ci Cu: Ast Frnb: Stcu	Cu:Stcu Cu:Cumb Stcu:Cicu:Cist Cu:Acu:Ci Frnb:Cist	Frnb;Cunb:Acu:Ci Cu:Stcu Stcu:Acu:Ast;Cist Stcu:Acu:Ci Frnb: Ast	8 1 3 9 10	7 4 4 9 10 1	7 1 8 9 6 0 1	0 9 5 1 9 9 2 5 0 10	5 0 10 9 10	k k j	1 1	k j k l l j k k H H		1	 		 	•	 •°	:: •• ::	bc, $\operatorname{cp} \bullet^0$, bcy, $a: \operatorname{bcy}$, $\operatorname{cqp} \bullet^n$, $p: \operatorname{cp} \bullet^n$, bc, n . bc, $\operatorname{p} \bullet^n$, $\operatorname{p} \bigwedge^n$, cy , $a: \operatorname{cp} \bullet^n \bigwedge^n$, by, $p: \operatorname{by}$, b, \square , n . b \square , bcy, \bigoplus , $a: \operatorname{cy} \bigoplus$, o , o : c, o , o , o , o : c, o , o , o , o , o , o , o , o
16 17 18 19 20	Frnb Frnb:Cunb:Stcu St:Stcu:Acu Stcu Stcu St:Ast	Frnb:Nbst Frnb:Nbst Camb:Stcu:Acu:Ci:Cicu Cu:Stcu Frnb	Frnb Frst:Cumb;Acu:Cist Cu:Stcu:Acu Stcu St	9 9 7 10	10 1 9 7 10 1	0 4 7 0	0 10 9 9 3 3 1 1 6 10	10 1 0 10	H i G	1	1	H	1	•° •° ···	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• 	• 		
21 22 23 24 25	St St Frmb Acu: Cist St: Stcu	St:Cist:Cicu:Ci OrStou:Acu:Cicu:Cist Frnb:Cunb:Acu Stcu: Cist Cu: Stcu	Cu:Stcu:Cist St Stcu: Acu:Ci Cu:Cicu Stcu	10 10 10 8 9	3 10 8 10 9	9 9 9 9	9 9 9 10 9 1 5 2 0 9				H H 1 1 1 1 1 k k		H F 1 k	•		:: • :: ::			•°	oi
26 27 28 29 30	St: Steu Frab Steu Cu: Steu Cu: Steu	Cu: Stou Stou Stou Cu: Stou:Acu:Ci:Cicu Cu: Stou	Steu Cu:Steu Steu	9 10 9 9	10 9 1 9 10	9 .0 1 .0 1 8 9	9 10 7 0 10 9 7 9 8	10 9 10 9	k H k j	k k k	k k k k k l k l	k k k k	k j k j	° : : :	 •°		 		 •° 	cid ₀ , $p $
Mean Cloud Am'nt,				8-1	8-38	48	1 6-8	6-3												
Day	7h	13h	18h	Ш	Clou	 1 A:	nount	ļ	7h	Ш	13h 15	_L_	211	.7h	9h		15h		21h	Remarks on the Weather of the Day.
		Cloud Forms					rms)	_			SIVIII	. y				recip	a.ll	л., —		

_		Cloud Forms					mour rms)			Vi	isibil	ity		L		Pr	ecip	itati	on.		Remarks on the Weather of the Day.
Day	7h	13p	18h	7h	9b	3ь 1!	5 <u>Þ</u> 18	h 21h	7h	9h	3h I	5 b 18	211	71	9h	1	3h	15h	18h	21h	
1 2 3 4 5	Stou Stou Stou:Aou Aou St:Aou:Ciou	Cu:Ci Cu:Stcu:Acu Cu:Stcu:Ci Acu: Ci Acu	Stou Stou Cu:Stou Cist Aou	9 9 9 7 7	10	2 9 9 1 3	3 7 9 10 9 8 1 3	6 10 6 3 3 4		1 1	ı	k k H H i i i i			: :::						c, b, $a : b$, bc, $p : bc$, a , n . bca, c, p
6 7 8 9	St Steu Cist Cu: Steu Frnb	Gu:Stou:Acu:Ci Stou Acu Acu Acu Acu	Cicu Steu Steu Frst Acu	6 9 10	10 7 10 10	9 7 1 2	1 4		j k i H	j k i j	k	k k k k k j k j	k j D k	::							bc.a., o, bc. \oplus , a : bc, b, y, p : b, bc, a , n . bc.ac, c, a : c, bc, p : bc, b, a , n . b.abc, θ , a : bc, p : bc, bc, p : bc, c, a , n . c.a., c, b, a : b, bc, p : bc, ofd ₀ , c, n . c. od ₀ , b, a : b, bc, b, p : b, a , bc.a., n .
11 12 13 14 15	Acu Cunb:Stcu Stcu:Acu Cunb Ast:Cist	Cu:Stcu:Acu Cunb:Stcu Frnb Cu Frnb:Nbst	Stcu:Ci Cumb:Stcu Frnb:Cumb:Ci Stcu Frnb:Ast	5 8 7 1 10			- 1	9 9 6 8 8 10								0	•	 * 	₽° ▲ 		bc., cy, a : cy, c , p : c, bc, c, n . c, $p \bullet$, $q \bullet \circ \Delta^0$, y , a : cy, $p \bullet \circ (q, p)$: cqp $\bullet^3 \Delta^2$, n . c, bc, $\circ \bullet^0$, \bullet , a : $\circ \bullet \star$, \star , c , p : c, bc, cp $\star \Delta$, n . $\text{Hopp} \star^0$, Δ^0 , q , by, a : by, b, p : b, Δ , c., t , t , t , t , t , t , t , t
16 17 18 19 20	Cunb Cunb Frnb:Cunb Cu:Ci St:Stcu:Acu	Cunb:Ci Frab:Cunb Cu:Cunb Cu Cu	Frnb:Cunb Frnb:Cunb Cunb:Ci Frnb:Cunb Stcu	5 9				9 6				k G j j k k j j				. •		:::	*° •° ···		cqp \bigstar \textcircled{R} , $a: cp \bigstar^0$, $o \bigstar^0$, $p: ci \bigstar^0$, $p \bigstar$, n . \textcircled{R} cp \bigstar , \bigstar , $p \bullet^3$, $a: c$, $p \bullet \triangle$, $p \bullet^3$, $p: cqp \bullet^2$, n cqp \bullet^3 , $a: bc$, \oplus , $p: bc$, c , bc , bc , b , $a: b$, $cp \bullet^0$, $p: c \bullet^0$, c , n . c , b , $a: b$, bc , $p: bc$, n .
21 22 23 24 25	Cu:Stcu:Acu Stcu Stcu Cu:Acu St:Stcu	Cu:Ci Cu:Steu Cu:Steu:Ci Cu:Steu Cu	Steu:Acu:C1 Cunb:Steu Cu:Steu:C1 Cu Steu		5 10 10 5 7	5 10 9 1	1 1 9 10 9 1	5 9 1 9 1 4 1 9	l i j k	1 1	1	l l j k k i j k	1							 	bc, a : bc, by, p : by, bc., c., n . c., c, a : c, p : c, n . c, a : c, p : c, n . c, a : c, p : b, c, b, bc, b, a : b, p : b, bc, c, n . c, b, a : b, p : b, c, n .
26 27 28 29 30	Steu Frnb St Steu Steu	Steu St:Steu St Steu Cu	Stou St St Stou Ci	10	1 1	- 1	- 1	10 10 10 10 10 10 4	1	1 1	j H k	k 1		1	.						c, a : c, b, p : b, c, n. cd ₀ , od ₀ , c, a : c, o, f, p : ofefe, n. ofefe, o, a : o, p : o, n. o, c, a : c, p : c, n. c, b, a : b, p : b, bc_a, c, n.
Mean Cloud Am'nt.	Steu	Gu:Stcu	Cu:Steu	8.0	\vdash	+	+	6 7-2	\vdash	1	1	1 1	1		-				•••		с. , 0, с, a : с, bc, p : bc, с, n.

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16	O. ABERDEEN																		JUNE, 1935
1 2 3 4 5	Steu Steu Frnb Frnb:Steu:Acu Frnb	Cu:Stcu Stcu .Frnb:Stcu Cu:Stcu:Cist Frnb	Cu:Steu Steu Frnb:Ast Frnb:Ast Frnb		9 10 10 10 10 10 10 10 10 10 10 10 10 10		10 1 10 1 10 1	0 k	j k H	k k H	k 1 1 1 1 1 1 1 1 1	k k k j k k G G						i	c, y, a: cy, bc, p: bc, c, n. c, y, a: cy, c, p: c, n. c, $0 \oplus 0 \oplus 0$, $0 \oplus 0$, a: $0 \oplus 0$, c, id ₀ , p: cid ₀ , c, n. c, (), a: c(), c, $0 \oplus 0$, p: $0 \oplus 0$, 0 , n. $0 \oplus 0$, $0 \oplus 0$, a: $0 \oplus 0$, $0 \oplus 0$, $0 \oplus 0$, n.
6 7 8 9	Frnb Frst:Cunb:Cist Stcu:Acu Stcu: Ci Frst:Cunb:Ast	Frst:Cunb:Acu:Ci Frnb:Cunb:Acu Cu:Stcu:Ast:Cist Cu:Stcu:Cist: Ci Frnb:Ast	St Frnb:Cunb:Stcu:Ci Cunb:Stcu:Acu: Ci Stcu:Ast:Cist St	10 9 9 1 10	10 9 9 8 8	9 7 10 1 5 0 10	10 1 7 10 10 1	O G 9 k 1 k 9 m	G j k l	G J 1 H	- 1	j j 1 1 1 j F H	•	•		••	•°		oi \bigoplus , id ₀ f, c, a: c, o \bigoplus , p: o \bigoplus , c, n. c, \bigoplus , \bigoplus , a: c \bigcap , bc, cp \bigoplus , p: c, n. c, p \bigoplus , a: cp \bigoplus , bcy, p: bcy, q, b. \bigoplus , n. b. \bigoplus , y, c, b, \bigoplus , a: b \bigoplus , c, p: c, n. c, id ₀ , \bigoplus , a: c \bigoplus , o, d ₀ , \bigoplus , p: o \bigoplus , f, n.
11 12 13 14 15	St Cu:Stcu:Acu:Ci Cu:Stcu:Acu Stcu Frnb	Stcu:Acu:Ci Cu: Ci Cunb:Acu Cu:Cunb: Cist Cu:Cunb:Acu	Frnb:Cunb:Stcu Cunb:Acu:Ci Cunb Acu: Cicu Cu:Stcu: Acu	10 9 8 10 10	9 6 7 10	5 5 2 3 7 9 2 6	6 7 4 4	9 II 2 1 3 k 6 k 9 F	j k G	k k k		i i k j k i j j		1		•°	•		ofefe, bc, a : bc, q, cp \bigoplus , p : cp \bigoplus , n . c, p \bigoplus , bc, a : bc, b, bc, p : bc, b \bigsqcup , n . b \bigsqcup , c, p \bigoplus , bc, a : bcp \bigoplus , c \bigoplus , p \bigoplus , p : bc, p \bigoplus , b, n . c, bc, c, \bigoplus , a : c \bigoplus , b, bc, p : bc, c, n . off, \bigoplus , bc, a : bc, p \bigoplus , p : bc, cp \bigoplus , b, n .
16 17 18 19 20	Cu:Stcu Cunb:Stcu:Acu Cunb:Stcu:Acu Cu:Stcu:Acu Frnb	Cu:Ci Cu:Cunb:Ci Cu:Acu:Cicu Cu:Ci Frnb:Acu: Ast	Frnb:Cunb:Acu:Ci Cunb:Stcu Cu:Stcu:Acu:Ci Cu:Acu:Ast:Cist Cu:Stcu:Acu:Cicu	9 9 8 4 10	9 7 1 10	1	1 1		ı ı		- 1	j j j j j j i H j j				•°	•••		bc, b, a : b, c, \hat{p} : c, i \bigoplus ⁰ , n . c, o \bigoplus ⁰ , if \bigoplus , c, a : c, bc, p : bc, n .
21 22 23 24 25	Prst:Acu:Cicu St:Acu:Cicu St:Stcu St St	St:Stcu Acu St Ci Acu:Cist:Ci	Cu:Acu Frst;Acu Cu:Stcu:Cist Acu:Ci St	4 6 10 10	9 4 10 10 10	3 1 1 0 6 4 10	6 7 10 1 4 1 10 1	8 j 6 i .0 k .0 i	H j j	i G i	- 1	H G E E	::: :::						bc, c, a : c, bc, p : bc, c, bc, n . bc, a , b , a : b, bc, p : bc, n . bc, c, o, a : o, bc, c, p : c, n . c, m , \oplus , bc, a : bc, p : bc, a , o, n . o., o, bc \oplus , a : bc \oplus , o, ff, p : ff, bc., off, n .
26 27 28 29 30	St Steu Gu:Acu:Ci St: Acu Frnb:Acu:Ast	St:Acu Frnb:Cunb:Etcu Cu:Cist:Ci Stcu Frnb:Acu:Ast	Frnb Cunb:Stcu:Ci Stcu:Acu:Ci Cicu:Ci Stcu:Cicu	10 9 1 1 10	10 9 5 1 10	9 10 9 4 1 1 9 9	1	8 G 0 i 2 l 4 j 4 j	G m j	;;1 ;;	i j j k	F F I k j j k	•		•	\			oifid ₀ , 0, c, $a:c$, \bullet ⁰ , d_0 , $o\bullet$ ⁰ , $p:oi\bullet$ ⁰ , cm, n . cm, c, $p\bullet$ ⁰ , $a:c$, $p\bullet$ ⁰ , $p:c$, $p:c$, $p:c$, $p:c$, $p:c$, n . cp \bullet , bc, $a:b$, bc, b, $a:b$, bc, b , $a:b$, bc, $a:b$, bc, $a:b$, bc, $a:b$, bc, $a:b$, bc, $a:b$, bc, $a:b$, bc, $a:c$, $a:c$, bc
Mean Cloud Am'nt.				8-2	9-1 7-	16-8	7-5 7	-8											
Day	7h	13h	18h	7h	9h 13	h 15h	18h 2	1b 7	h 91	13h	5h J	8h 21	71	9h	13h	15b	18Þ	21h	Remarks on the Weather of the Day.
		Cloud Forms			Cloud (All	Amo				Visibi	lity		L		Preci	ipitat	ion.		

		Cloud Forms	***************************************				mou orms)		T		Visi	bility	y				Prec	ipitati	ion.		Remarks on the Weather of the Day.
Day	7h	13h	18h	7h	9ъ	3ь 1	5 b 18	h 21	ь 71	. 9	131	15h	181	214	7 h	9h	13h	15h	18h	21h.	•
1 2 3 4 5	St Frnb:Ast Frou:Acu:Cist:Cicu Cunb:Stcu	St Cunb:Stcu:Acu Cu:Stcu:Acu;Ci Frcu:Acu:Ast:Ci Cunb:Stcu	Frnb:Acu:Ast Cunb: Stcu Nbst Stcu:Cu:Acu:Ast Frnb:Cunb	10 10 0 1	10 1 9	10 1 9 1 5 9	10 10 10 9 9 10 9 9	9 9 9	E G 1	E F 1	D k m	H 1 k 1	H F i k	G G H 1	 •° 				• ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		bc, ofefe $lacktriangledown^0$, $a:$ ofe, $lacktriangledown^0$, c , $p:$ c , c , c , c , c , c , c , c
6 7 8 9 10	Cunb:Stou:Acu:Cicu Stou:Acu:Ci Cunb:Stou:Acu	Cu:Stcu Cu:Ci Cu:Cunb:Acu	Cu:Stou Acu: Ci Ci Frnb:Ast	9 2 0 0 7	98009	8 1 0 0 8	4 1 0 2 10	7 8	k H H j					k H i H							c, $p \bullet^{0}$, dd, $p \bullet^{0}$, $a : c$, bc, $p : bc$, c, bc, n . b.a., c, b, $a : b$, $p : b$, .a., n . b.a., b, $a : b$, $p : b$, .a., n . b.a., b, $a : b$, bc, $p : bc$, n . b, ci \bullet^{0} , c, $a : ci\bullet$, \bullet , $p : c\bullet$, d ₀ , c, n .
11 12 13 14 15	Stou:Acu:Ci Stou St St Frnb Cu:Stou:Acu	Cu:Stcu:Acu:Ci Stcu Cist Cunb:Stcu:Ast Cu:Stcu:Açu	Ci Cu Acu:Ci Acu Stcu:Acu:Ast	4 9 2 9	10	8 9	1 2 8 7 9	1 1 9 9 9 9 9 9 9	l l k F i j	l k G j H	j G k	k j g k j	k G 1 k	j H H 1	 •°					 •°	c, b, $a : b, p : b, \triangle, n$. b. \(\text{c}, \text{c}, \text{bc}, \text{c} : \text{bc}, \text{b}, \text{b} : \text{b}, \text{c},
16 17 18 19 20	Steu:Aeu Steu:Aeu Cu:Steu:Aeu Cu:Steu:Ci Freu:Aeu	Frnb:Cunb:Ci Cunb Cunb Cunb:Acu Steu:Acu	CurCunb:Ci Cumb:Steu Frnb:Cunb CurAcu:Ast Cu:Steu:Acu	7 9 7 7 6	7 5	9	9 8 9 4 9	3 4 7 7 9 8 8 10	k 7 k 8 k 8 k	***	j i i k	k k j k	k j j	1			000		•	 •° 	bc, $(0, \operatorname{cp} \bullet^2, \bullet^0, a : \operatorname{c}, \operatorname{p} \bullet^2, \operatorname{bc}, p : \operatorname{p} \bullet^2, \operatorname{bc}, n.$ bc, $\operatorname{p} \bullet^1, T, a : \operatorname{bc}, \operatorname{cT}, \operatorname{p} \bullet, p : \operatorname{cp} \bullet, \operatorname{bc}, n.$
21 22 23 24 25	Cu:Acu Stcu:Acu:Ci Cu:Stcu:Acu Acu Acu:Ast	Cu: Stou Stou:Aou Cu:Stou:Aou:Cicu Ci:Stou:Aou:Ci Cu:Stou:Aou:Cicu	Cu:Stcu:Ci Stcu:Acu Frnb:Cu:Acu:Ast Stcu Stcu: Acu	4 7 3 1 8	5	5	9 8	1 1 1 9 9 9 9 9 9 9	k k k k j	1 1 m k	1 k 1	j k k	***	kiiii		 •° 				 •° 	bcq, a : bcq, b , p : b , a , n . bc a , cd $_0$, c , a : c , \oplus , bc, p : bc, b , b , bc, a : bc, c , u , p : cp Φ^2 , Φ^0 , c , n . c, b , bcy, a : bcy, q : c, p : c, bc, n . bc a , c , bcy, a : bcy, c , p : e , e , e , e , e , e , e , e ,
26 27 28 29 30	Ci Stou:Acu:Ast Cu:Stou Cunb:3tou Cu:Stou	Cu:Cunb:Acu Frnb:Ast Cu:Steu:Acu Cu:Cunb Cu:Cleu	Acu:Ast Gu:Cumb:Acu Cumb:Steu Steu Ci	8 9 1 9 5	9 :	7	9 1	8 8 5 5 9 6 3 1	3 k 5 j 3 1 1 1	k j k 1	1 1 1 1	1 1 1 1	j j i m	j k 1 1		•			 •° 		c, bc, c, a : c, bc, \mathbb{O} , c, p : ci \bullet °, c, n . c, $p \bullet$, a : c, bc, bc, p : bcy, bc, n . bc, y, q, a : bcyq, cqp \bullet °, p : cqp \bullet °, bc, c, n . c, $p \bullet$ °, bcy, a : bcy, qcp \bullet , bc, p : bc, b, n . b, bc, by, a : by, b, p : b, a .
31	Stcu	CusAcusGi	C1	9	9	5	3	4 6	k	k	1	k	k.	k							c.a., c, bey, a : bey, be \oplus , p : be \oplus , a , n .
Mean Cloud Am'nt,				5•8	6-6	3 -3 6	6-2	06.	0												

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102	. ADERDEEN					_			+		_	,		_							
1 2 3 4 5	Cu:Cist Cu:Steu Cu:Steu:Acu Acu:Ast Steu	Cu:Cist:Ci Cunb:Stcu Cu:Stcu:Acu:Ci Cu:Acu:Cist Cu:Stcu	Cu:Stou:Acu Cu:Stou Stou Stou:Aou:Ci Cu:Stou	7 9 3 10 9	8 4 9	9 9 9					j k l j					:::	 		 •°		c, y, a : cy, c, p : c, bc, n . bc, c, a : c, p $ \bullet ^0$, p : c, bc, n .
6 7 8 9 10	Steu Cu:Steu:Ci Cu:Steu Frab:Acu:Ast	Cusateu Cu Cunb:Steu Steu:Ci Frou:Acu:Ast	Steu Steu Frnb Cu:Steu:AerCicu:Ci Freu:Acu:Ast	8 0 9 9 10	4 1 9 7 9	1 9 2 9	1 2 10 10 2 5 9 8	7 1 2 9 10 5 9 9			1				:::			•	 •² 		c, (), b, $a : b$, bc, $p : bc$, b, $a : n$. b $a : b : b$, b, $y : a : by$, b, $p : b$, c, n . c, bc $a : c$, $a : c : a : b$, $b : c$, $a : b$, $a : b$, $a : b$, $a : b$, $a : b$, $a : b$, $a : c$, $a : cq$, a
11 12 13 14 15	Frnb:Acu:Ast Cu:Steu:C1 Acu:Cicu Cu: Steu Steu	Cu:Acu Cunb:Steu Cu:Steu Cu:Steu Cu:Steu	Frnb:Nbst Cu:3tcu Stcu:Acu:Ast Frst:3tcu Frnb:Cunb:Stcu	1 4 9	2 9	7 9 9 9	8 10 9 7 9 8 10 10 9 8	9 7 1 9 8 9 10	k 1 k 1			, ,			•°	•°	 •° 		•		ci $lacktriangle^0$, $o lacktriangle^0$, bc, a : bc, oi $lacktriangle^0$, dd, p : odd, c, n . c, b, cp $lacktriangle^0$, a: cp $lacktriangle^0$, bc, p : bc, b. a., n . b. a., c, a : c, bc, c, p : c, $p lacktriangle^0$, n . c, a : c, p : c, n . c, bc, c, a : c, d ₀ , p : ci $lacktriangle^0$, o $lacktriangle^0$, n .
16 17 18 19 20	Stou Frst:Acu St Cu:Stou:Acu Frst:Acu:Ci	Cur Stour Acu Frour Acur Ast Cur Acur Ci Cur Acur Ci Cur Acur Ci	Frou: Acu Frnb:Acu:Ast Acu Cu:Stou:Ci Cicu	9	9 3 9 8	9 1 5 1	9 8 1 3 1 3 1		k 1 G H			k k k k									c, a : c, p : c, \bigoplus ⁰ , of, n . of efe, b, a : b, p : b, c, n . c, f, $p \bigoplus$, bc, a : bc, b, bc, p : bcy, $c \bigoplus$ ⁰ , n . bc, c, b, a : b, p : b, \triangle , n .
21 22 23 24 25	Frat Acu:Cicu:Ci Stcu St Frat:Ast	Steu:Ci Cu:Steu Cu Freu:Acu Steu	Cu:Stcu:Cicu:Ci Cu:Stcu:Acu Cu: Stcu St St:Stcu:Acu	9 9 1 10 10	9 7 1 3	3 9 2 9	7 8 7 8 9 10	1 1 7 10 3 3 0 10 9	G j H k	GMMHM	H k H k	H j H k									b.a., c.a., bc, $a : bc$, c. K , bcy, $p : bcy$, b , $a : bc$, c. $a : c$, bc, $p : bc$, c, $n : c$, cc, ofe, b, $a : b$, c, $p : c$, bc, o, $e : c$, of, o, $e : c$, c, og, $p : c$, bc, o, $e : c$, c, $a : c$, c, og, $p : c$, c, $e : c$, $e : c$
26 27 28 29 30	Frnb:Ast Frnb:Ast Frst:Stcu:Ast Cu: Cumb Frnb:Cumb:Ast	Cu:Stcu:Cist Cumb:Stcu Frnb:Cumb:Ast Cu:Cist Frnb:Cumb:Acu	Frnb:Acu:Ast Frnb:Cunb Frnb:Acu:Ast Cu:Ast Frnb:Cunb	10 10 8 8 10	10 8 9 4 10	8 9 10 9	6 10 9 10 10 10 9 10 6 8	10 8 10 10 10	k j k j H	j k l	k j j	k j k j	JUNE	i i i i	 •° •°	 •°	 •° 	••	 •° 	•	c, \bullet , \oplus y, a : cy, bcy, c, p : c, $o \oplus$, n . o \bullet , cdd, $p \oplus$ 0, a : cp \bullet 0, p : cp \bullet 0, c, c, $p \bullet$ 0, a : cp \bullet 0, i \bullet 0, p : ci \bullet 1, o \bullet 0, n . c \bullet 0, bc, c, \oplus 1, a : c \oplus 2, c, p : c, \bullet 0, n . c \bullet 0, i \bullet 0, a : c \bullet 0, bc, c, p : c, bc, o \bullet 0, n .
31	Cu: Steu	Cunb: Stcu: Acu	Cu:Steu:Ci	9	9	9	9 8	8	H	j	1	j	j	1		●0					$c \oplus {}^0$, $p \oplus$, c , $a : c$, $p : c$, n .
Mean Cloud Am'nt.				7-5	6-7	3-8 7	7-17-	8 7-1	8												
	7h	13h	18h	7b	9h	3h]1	5ь 18	<u>њ</u> 21	ь 71	91	1 3h	15h	18h	214	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
Day		Cloud Forms		Γ			mour orms)		I		Visit	oility	,				Preci	pitat	ion.		

		Cloud Forms			Cloud (All		mour rms)		 			ecipi	tatio	n.		Remarks on the Weather of the Day,					
Day	7ь	13h	1 8 h	7h	96 J:	3h]	5 h 18	211	7h	98	135	15h	1 8 4	214	7h	9ь	13ь	15h	18h	21h	
1 2 3 4 5 6 7 8	Stcu:Acu St. Cu:Stcu:Acu Cunh:Stcu:Cicu Cu:Stcu Cunb:Stcu Cunb:Stcu Cunb:Stcu:Acu	Cu:Stcu:Ci Cu:Stcu:Acu:Ast Cunb;Ci Cunb;Stcu Cu:Stcu:Acu Cunb:Cu:Acu Cu:Stcu:Cu	Frnb:Acu:Ast Cunh:Stcu:Acu Cu:Cunb:Acu Frnb:Cunb:Acu Stcu:Acu Cunb Stcu Stcu:Stcu:Clcu	1 10 1 8 7 3 8 9	9 3 9 3	9 4 9		0 10 9 10 4 1 0 8 2 1 9 8 5 9 9 9					k m			•••	••••••••••••••••••••••••••••••••••••••	•••	•°	•	c, ba, bc, $a:$ bc, ci \bullet , $p:$ c \bullet , $p \bullet$, n . oi \bullet , \bullet , c, $a:$ c, bc, c, $p:$ co \bullet , c, n . c, b, bc, y, $a:$ bcy, $p:$ bcy, ba, n . ba, cp \bullet , $a:$ c \bullet , c, $p:$ c, $p:$ bc, bc, n . bc, cqp \bullet , $a:$ c \bullet , c, $p:$ c, $p:$ b, n . ba, bcp \bullet , $a:$ cp \bullet , bcy, $p:$ b, n . ba, bcp \bullet , n , n , ca, n , n , ca, n , ca, n , ca, bc, cy, n ; cy, bc, bc, n , bc, ca, n , ca, bc, cy, n ; cy, bc, n ; bc, b, a, n .
9 10 11 12 13 14 15	Steu Cu:Steu Seu Acu:Ast Freu Frnb:Cunb:Acu Cunb:Steu:Acu	Steu Cu: Steu: Ast Steu: Ast Steu: Ast Frnb: Ast Cu: Acu Frnb: Cu: Acu Frnb: Cu: Acu	Stou Nbst CurstcurAcurAst St CunbrAcu CunbrStcurAcu Cunb	9 2	1		9 10 3 9	9 10 0 10 8 1 8 8 4 3	G F 1 1	H G 1 k	H G k H	j G k H	H G k	j i k k	 •° 	 •°		• • • • • • • • • • • • • • • • • • • •	•°		ba, c, y, a: cy (), $p:c()$, c, bc, n, bc, ba, c, a: c, $o \bullet \circ \circ$, $p:o \bullet \circ$, c, n. c, \oplus , $\bullet \circ$, a: ci $\bullet \circ \circ$, c, p: c, n. c, $m \bullet \circ \circ$, c, a: c, og, $p:o, \bullet \circ$, c, n. cp \bullet , b, qbc, a: bcy, p $\bullet \circ \circ$, $p:c, b$, c, n. c, p $\bullet \circ \circ$, ca: c, $p:c, n$. c, q, $\oplus \circ \circ \circ \circ$, e: o, bc, $p:bc, b$, bc, n.
16 17 18 19 20	Frnb:Cunb Cunb:Stcu:Ast:Cist Stcu:Acu:Cicu Cu:Cunb Cu:Stcu	Cu:Acu Frnb Cu: Cunb Cu Cu:Stcu	Cunb:Stcu:Acu:Ci Stcu:Ast Stcu:Acu:Ci Stcu Stcu	9 6 4 3	3 1	10 :		7 10 9 8 9 10 2 0 8 0					1 1	k k k k			•	•••			$0 \oplus$, bcq, y, a: bcy, cp $ \oplus ^0$, bcy, p : by, b, n.
21 22 23 24 25	Acu:Ci Frnb;Cunb:Ast Cu:Stcu:Ci Ast;Ci Cu:Cunb;Acu	Cu:Stcu:Cist Frnb Cunb Cu:Cunb:Cist Cu:Cunb	Stou: Sou: Cist Frnb: Cunb: Ast Frnb: Cunb: Acu: Cicu Cunb: Stou Cunb: Stou	2 10 9 3 6	10 1 3 1 6	7 8 5		4 0 9 10 4 1 9 2 3 5							 •° 	•	•	•••			b.a., c \oplus , a : c, bc \oplus , p : bc, b.a., n . c.a., p \oplus , \oplus 0, a : o \oplus , c, \oplus 0, p : c \oplus 0, c, n . cp \oplus 0, bc, a : bc, cp \oplus , n , p : bc, b, \coprod , n . bc, a , b, bc \oplus , a : bc, c, p : c, b, \coprod , bc, n . bc, p \oplus , n , n : bcp \oplus 0, bc, p : bcp \oplus , n .
26 27 28 29 30	Acu:Cist Acu:Cicu Stcu:Acu:Ast Acu:Ast:Ci St:Stcu:Acu:Cicu	Frnb Cunb:Ci Frnb:Nbst Cu:Acu:Cist Frnb:Cunb	Frnb Cu:Stcu:Acu:Ci Frnb:Acu:Ast Cu:Acu:Ast Cunb:Stcu:Ci	2	9 1 2 10 1 4 10	10 3 10 3 6 9	6 10 8 7	0 10 4 2 9 9 9 10 3 1	ikjii	i H G k H	k H j	i k G j k	G k j i k	H			: : ● : ●		•	••	bcp \bullet , \oplus , c, a : c, o \bullet , p : o \bullet , \bullet , o, n . o \bullet , bc \triangle , c, a : cp \bullet , bc, p : bc, n . bc \triangle , c \bullet , a : c \bullet , d \bullet do, p \bullet , p : c, n . c, b \triangle , bc \oplus , a : bc \oplus , c, p : ci \bullet , o \bullet , n . c \bullet , p \bullet , a : cp \bullet , bc, p : bc, $ u$, b \triangle , n .
Mean Cloud Am'nt.				6-2	6-1 7	7 7	3 70	o 5-9													

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OCTOBER, 1935

				_	-	_	_	_	-	, ,		_	_	_	_	7	_	T		
1 2 3 4 5	Cunb: Stcu: Acu Acu: Ast: Cist Frnb: Ast St: Nbst Frnb: Cunb: Acu: Ast	Cunb Cu:Acu:Ast Frnb:Acu:Ast Frnb:Cunb:Acu Frnb:Cunb	Steu:Ci Steu:Aeu:Ast Frnb:Nbst Cunb:Steu Frnb:Cunb:Aeu:Ast	7 6 10 10 9	10 10 10	10 1 10 1 6	4 LO LO 1 5 LO	1 0 9 10 0 10 8 10 9 10						•				•	 •••	b.a., bcp \bullet 0, bc, a : bc, b , p : b, .a., n . Libc, b, c \oplus , a : c, \bullet 0, p : c, n . ci \bullet 0, \bullet 9, a : co \bullet q, p : co \bullet 0, \bullet 3, co \bullet 0, n . co \bullet 0, \bullet 1, c, \bullet 0, bc, a : bc, p \bullet 0, c, p : c, p \bullet 1, n . cp \bullet 0, co \bullet 0, ci \bullet 0, a : c, p \bullet 0, d \bullet 0, p : c, \bullet 0, n .
6 7 8 9	Frnb;Cunb;Stcu Stcu Cu:Stcu:Ast Stcu:Ci Cu:Stcu:Acu:Ast	Fmb:Cunb:Acu:Ast:Ci Cu:Stcu Cu:Cicu:Cist Stcu:Acu:Ast Cu:Stcu:Acu:Ast	Cunb:Stou:Acu:Ast:C1 Cu:Stou:Acu Cunb:Stou:C1 Cunb:Stou Cunb:Acu:Ast	10 1 10 1 4	10 8 8 1 1	9	1 8 7 7		i k j l			j i k j k	1		:::		 •° 			ci \bigoplus ⁰ , \bigoplus , d ₀ , a:c, bc, p :c, ba, \coprod , n . bill, ef, bc, a:bc, b, p :bc, c, \bigoplus , c, n . c \bigoplus , c, \bigoplus , bby, a:bcy, cp \bigoplus ⁰ , \bigoplus , bc, p :bc, a . ba, c, a: bcp \bigoplus ⁰ , bc, p : bc, c, bc, p \bigoplus ⁰ , n . bc, y, a:bcy, c, bc, p : bc, n .
11 12 13 14 15	Cu:Stcu:Ci Stcu:Agu Stcu:Acu:Ast Stcu:Acu Nbst	Cu:SteurAcu:Cist: Ci Steu:Acu:Cist Freu:Acu:Ast:Cicu Steu:Acu:Ast Frnb:Cunb:Ast	Stou:C1 Stou:Acu:Ast Stou:Acu:Ast Stou:Acu:Ast Stou:Acu:Ast	4 3 10 4 10	4 8 9 8 10	9 9 9 10	6 9 1 9 1 9	7 2 0 9 0 10 9 9 7 8		1 1		k k j j j j j j j j	mer mener		:::		:::		• • • •	bci, y, a : bcy, q, bc, p : bc, b, n . b, c, $p \circledast^0$, a : c, p : c, n . c, \mathfrak{G}^0 , c, a : c, $p \mathfrak{G}^0$, c, p : cqi \mathfrak{G}^0 , n . cqi \mathfrak{G}^0 , bc, c, a : c, p : c, \mathfrak{U} , n . c, o \mathfrak{G}^0 , a : c \mathfrak{G}^0 , i \mathfrak{G}^0 , p : c, bc, n .
16 17 13 19 20	Steu:Acu;Ast Frnb:Cunb:Ast Cunb:Cicu:Cist St:Acu:Ci Frnb:Cunb:Ci	Cu:Stcu:Acu:Cicu Cunb:Acu:Ast:Cist Cu:Nbst Frnb:Cunb:Ci Cunb	Ston: Acu Ou: Stou: Acu Frnb: Ast Frnb: Cunb Ounb: Stou	9	5 10 10 10 6	8 10 9	1 10 1 9	9 5 1 0 9 9 2 1	j k l k	k k k k	k 1 j k k			 *.	•			•••	 •	bc, $p \spadesuit^a$, y , a : bcy, cy, c, p : c, bc[]. \triangle , c, n . c, $p \spadesuit^a$, q , \bigoplus , a : c, $p \bigoplus$, b , p : b, cqp \bigoplus , bc, n . b. \triangle , c \bigoplus , o , \bigoplus , a : ci \bigoplus , q , p : ci \bigoplus , q , p : cqp \bigoplus , p : cqp \bigoplus , p : cqp \bigoplus , p : dq, p : b, cqp \bigoplus , p : b, cp \bigoplus , p : b, cqp \bigoplus , p : b, cqp \bigoplus , p : b, cqp \bigoplus , p : dq, p : d, p :
21 22 23 24 25	Cu:Steu Cu:Steu:Acu:Ci Cu:Steu:Acu Frnb Frnb	Cu:Stcu Cu:Acu Cu:Acu:Cicu Cu:Nbst Cu:Stcu:Ast	Cu:Stou Stou:Aou Cu:Stou Frnh:Nbst Stou	8 5 5 10	7 6 5 10	6 3 9 10 10	5 3 9 10 1	4 3 8 3 9 10 0 10 9 0	k k j i G	k F J i G	k j i G	k j j j H E i G	H			.	:::	 •••	:: •••	cp \Re , bc, a : bc, p \Re , p : cp \bigoplus , bc $\mbox{$\mathbb{M}$}$, n . bc, $\mbox{$\mathbb{M}$}$, p : bc, c, p : bc, b, bc, n . bc, c, a : c, p : c, \bigoplus , n . or \bigoplus , d, \bigoplus , c, c: c, i \bigoplus , p : c \bigoplus , od, i \bigoplus , n . or \bigoplus , c, a : c, z , p : cz, b \bigoplus , $\mbox{$\mathbb{M}$}$
26 27 28 29 30	Nbst St:Stcu:Ast Stcu:Ci Stcu:Acu:Ast Cu:Acu:Ast: Cist	St:Ast Nost Stcu:Acu:Ast:Cist Nost Frnb:Cunb:Acu:Ast	Stou:Ast Nbst Stou:Acu:Ast Gu:Stou:Ci Acu:Ast:Ci	10 9 1 10 9	9 10 7 8 9	10 1 10 2 9 1 10	10 10 10 10 3	9 10 0 10 0 10 2 0 4 2	j k k k	j H k G k	j F k j	j j G d i H k k	j			•	1	••		bli, oí \P *, c, a : ci \P *, p \P *, p : c, n . c, p \P *, i \P *, a : ci \P *, p : o \P *, b, n . b, bc \P +, c, a : c, p : c, n . c, n , c, n : c \P *, b, p : bq, b, n . bli, c, n : ci
31	Cu:Stcu:Acu:Ci	Cu:Stcu:Acu:Ci	Stcu:Ci	3	6	1	1	1 1	k	k	k	k l	k	Ŀ			<u> </u>		•••	b, bc, p ●*, q, y, a: by, b, p: b, n.
Mean Cloud Am'nt.				7 •0	7-6	7-6	16-	8 6-0												
Day	7h	13h	18h	Ш	\perp			215	7h	9h	13h	5h 18	211	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms						mour rms)			V	isıbil	lity				Preci	pitati	ion.		

_		Cloud Forms		•			noun ms)	t		,	Visib	ility	•	ı			Prec	ipita	tion.		Remarks on the Weather of the Day.
Day	7h	13р	18h	7h	9b :	3 b 15	h 18h	21h	7h	9h	13h	15h	18b 2	16	7h	9h	13h	15h	18h	21h	1
1 2 3 4 5	Cu:Acu Cu:Stcu:Acu:Ast Ast:Cist Frnb Acu:Ast:Ci	Cu:Stcu:Acu Frnb St Frat Cunb:Frnb:Acu:Cicu	Stou:Acu:Ast Acu:Ast Frst Frnb:Nbst Cunb:Stcu:Acu	1 7 10 10 3	2 5 1 10 1 10 1	6 8 0 10 0 10 9 6	3 B	9	G	F			H H H			: •: :	•	 •••			
6 7 8 9	Cu:Stcu:Ast Cumb:Stcu Cunb Cunb:Stcu Frnb:Cumb:Acu:Ast	Acu:Ast:C1 Frub:Cunb Frub:Cunb:Acu:C1st Cunb:Stcu Frub:Cunb:Acu:Ast	Cist:Ci Cu:Stcu:Acu:Ci Stcu:Acu:Cist:Ci Frub:Cunb Cunb:Stcu:Acu:Ast	8 1 10 1	4 9 10 10 9	8 4 9 9 8 9	1 6 2 9 9 8	3 2 2 9													$\begin{array}{l} \operatorname{cp} \bullet^0, b, a : b, \operatorname{bc} (\mathbb{J}), \triangle, p : \operatorname{bc} (\mathbb{J}, \mathbb{L}), n. \\ \operatorname{bc} (\mathbb{J}, \operatorname{cp} \bullet^0, f, a : \operatorname{cmp} \bullet^0, \operatorname{bc}, p : \operatorname{bc} (\mathbb{J}), b, \operatorname{cp} \bullet^0, n. \\ \operatorname{c}, \operatorname{p} \bullet^0, \bullet^2, \bullet^2, a : \operatorname{c} (\mathbb{J}), b, (\mathbb{J}), p : b, \triangle, n. \\ \operatorname{bl} (\mathbb{J}, \operatorname{p} \bullet), a : \operatorname{c}, \operatorname{p} \bullet, p : \operatorname{ci} \bullet, \operatorname{c}, \bullet, n. \\ \operatorname{c}, \operatorname{bc}, \operatorname{ci} \bullet, \operatorname{p} \bullet^2, a : \operatorname{c}, \operatorname{p} \bullet^0, p : \operatorname{c}, \operatorname{p} \bullet, n. \end{array}$
11 12 13 14 15	Cunb:Stcu:Acu:Ast Frnb Cu:Stcu:Acu:Ast Cu:Stcu:Ci Stcu	Acu:Ci Cu: Ci Cu: Ci Frnb:Ast Frnb:Ast	Acu Stou Stou Stou:Acu:Ast	10 5	9 l	1 8 1 7 4 2 9 1	2 3 1 0 9	4 4 0 0	H H J G	GIGIE	1 G J 1	G H J H	H E H	H I	 •• •• ••		•••				c, $p \bigoplus^{0}$, bc, f, b, a: b, c, b, p: b, bc, n. bc, $c \bigoplus$, q, bc, a: b, bc, p: bc, n. bc, j, bc, a: bc, bf, p: bf, b, j, n. b, j, c, $p \bigoplus^{0}$, a: c, b, p: b, j, n. bc, c, f, \bigoplus^{0} , a: c, p: c, p \bigoplus^{0} , b, n.
16 17 18 19 20	Cu:Stcu Cu:Stcu:Ast Cu:Stcu Cu:Stcu Cu:Stcu:Ci	Cu:Stcu:Acu:Ast Frnb Frnb:Cu:Acu:Ast Frnb:Cunb:Stcu Frcu:Ast:Acu	Cu:Stcu Frnb Frnb:Cunb:Acu:Ast Frnb:Acu:Ast Frnb:Acu:Ast	10 1 9 1	0 1	0 10	1 10 8 10 9	10 7 10	1 1 1 1	1 G 1 H 1	1 H H J	G H H J	H H H H H	H ·	 	- 1	•° •° •° ···	••	•	•	b, c, $p \bullet^0$, bc, $i \bullet^0$, $a : bc$, c, b, $p : b$, bc, n . bc, c, $o \bullet$, $a : o \bullet$, $p : o i \bullet^0$, \bullet , n . $o \bullet$, $p \bullet$, c , e^0 , $a : c i \bullet^0$, $p : c$, bcf, $c p \bullet$, n . c, $p \bullet^0$, c, $a : c$, d_0 , $p : c$, n . c, $p \bullet$, $a : c p \bullet$, c , $p : c$, $p \bullet^0$, n .
21 22 23 24 25	Frnb:Ast Cunb:Stou:Acu:Ast Cu:Stou:Acu:Ci Acu:Ast Acu:Cist	Frnb:Cunb:Acu:Ast Cu:Stcu:Acu Acu Stcu:Acu:Ast Acu:Ast:Cist	Cunb:Stcu Cu:Stcu Stcu Stcu:Acu:Ast		7	8 9 4 8 1 1 2 2	10 10 0 2 2 9	8 10 0 0	j j j	11611	j k j	j k j i	j G 1		D °	•°	• ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		•0		c, $p \bigoplus^{0}$, $p \bigoplus A$, $a : \bigcap$, c, q, $p \bigoplus$, $p : c$, $p \bigoplus^{0}$, n . c, $p \bigoplus^{0}$, bc, $a : c$, $p \bigoplus^{0}$, $p : c$, $p \bigoplus$, n . bc, \prod , c, b, a : b, \prod , p : bill, n. bc, c \bigoplus^{0} , b, a : b, cp \bigoplus^{0} , b.a, $p : b$, $i : i$
26 27 28 29 30	Acu:Ast	Cu:Ci Stou:Clou St:Stou:Aou:Ast:Clou Frnb:Cu Cu:Stou:Aou:Ast:Ci	Ci Stcu:Acu:Ast Frnb:Acu:Ast Stcu Acu:Ast	1 7 3	2 2 8 6 5	1 3 9 8 8 9 3 4 4 4	1 5 7 1 9	0 8 5 1 10	k k k k	H k j j	k 1 j j	;;;;;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				 •••				c, $lacktriangle 0$, b, a : b, p : b, n . b, $ldots$, c, a : c, bc, p : bc, b, cp $ ldots$, n . cp $ ldots$, bc, c, p $ ldots$, a : c, q, bc, p : bc, n . bc $ ldots$, p $ ldots$, a : bc, b, p : b, $ ldots$, bp $ ldots$, n . bc $ ldots$, bc, a : bc, c, p : cp $ ldots$, c, n .
Mean Cloud Am'nt.				7-6 7	46	7 6-6	86•1	5•3						1							

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1 2 3 4 5	Stcu:Acu:Ast Frmb Cu:Stcu:Acu:Ast Stcu:Acu:Ast Acu	Gunb:Acu Cu:Stcu:Acu:Ast Cunb:Acu Cu:C1 Cunb:Acu	Stou:Ci Stou:Acu Acu Ci Stou	1 9 3 7 1	1 6 4 5 2	1	1	3 0	j k j	j	j k k	j j i k	j k j j j j H H	•							c, b_i, b, a: b, bc, b, p: b, n. c, qp \bigoplus^0 , p \bigstar , bc, a: c, p: c, bcq, p \bigoplus^0 , n. bc, a: bc, b, p: b, bc, n. bli, bc, b, a: b, li, p: bli, n. bli, b, a: b, bc, p: bc, b, li, n.
6 7 8 9 10	Stou:Acu Stou:Ci Stou:Acu Cu:Stou Cu:Stou	Cumb:Stou Acu Stou Cunb:Stou Stou	Stou Stou:Acu:Ast Stou Cu:Stou Stou	1 8 1 4 5	7 5 5 5 5	3	5 8 5 6 9	2 1 9 9 2 1 3 3 7 9	j j k j		F G k G	E H k E	i F H ; i i k F								b_i, bc, f, b, a : b, bc, b_i, p : b_i, n . b_i, c_i, bcf, a : bcf, c, p : c, p \bullet , n . cp \bullet , b_i, bcf, bc, a : bcf, b, p : \bigcup , b_i, n . bc, cp \bullet , bc, a : bc, p : bc, cp \bullet , bc, n . bc_i, f, b, a : bc, cf, bc_i, n .
11 12 13 14 15	Cu: Steu Cu: Steu Steu Steu: Aeu: Ast Cunb: Steu	Cu:Steu St:SteurAst Steu Cu:Steu Cunb:Steu:Aeu:Ast	Cu:Steu Steu Steu Fmb Steu	9 8 9 10	8 10 7 10 3	1011	9 10 1 10 1 10 1	9 9 0 10 0 10 0 10 9 2	k H k i		i G H j		H H H		··			 •••	 •°		cf, c, $a:c$, $p:c$, n . c, $p = \emptyset$, id ₀ , f , $a:c$ id ₀ , $p:c$, bc, n . bc, c, bcf, cd ₀ , $a:c$, $p:c$, \bigoplus^0 , n . c, g, $a:cg$, d ₀ , o \bigoplus^0 , $p:o\bigoplus^0$, o, n . cp \bigoplus , bc, c \bigoplus , $\#^0$, $a:bc$, b, c, $p:c$, b,, cp $\#$, n .
16 17 18 19 20	Cunb: Steu Acu: Ast Frnb: Cunb Acu: Ast Cunb: Steu	Frnb:Cunb Frnb:Acu:Ast Cunb:Stcu:Acu:Ci Cu:Stcu Cunb:Stcu	Frnb:Cunb Cu:Stcu Cunb:Stcu:Acu Cu:Stcu Frnb:Cunb	10 8 9 2 4	9 7 5 4 6	6 9 6	4 4 5 7	4 9 6 7 2 4 9 7	k j j i			1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		. 1	* 	*:•:*			• 🛦	$cp \bullet A$, b, $cp \bullet \circ$, bc, $a : bc$, $p : bc$, $cp \bullet \circ$, n . bc, $cp \bigstar , \vdash \cap$, bc, $p \bullet \circ$, $a : bc$, $i \bullet \circ$, bc, $p : bc$, $\vdash \cup$, n . bc $\vdash \cup$, b, f, c, $a : c$, bc, b $\vdash \cup$, $p : b \vdash \cup$, n . $cp \bullet$, bc, $p \bigstar$, $a : bc$, $cp \bullet$, $p \bigstar$, $i \bigstar A$, $p : bc$, $i \bigstar A$, n .
21 22 23 24 25	Cu:Stcu Frnb:Cunb Cu:Stcu Cu:Stcu Frnb:Ast	Cu: tcu:Acu:Cist Frnb:Cunb Cunb:Stcu Cu:Acu:Ast Frnb	Gu:Stcu Frnb:Cumb Frnb:Ast Frnb	2 9 1 6 8	7 4 2 10 10	7 4 1 9	6 4 0 10 10 10	5. 5 9 4 0 0 0 10 0 10	j j i i	j j H G	j k j i H	j k H j H	j j H j H		::	 •°	 •		 * •°	 •°	bc, bl, bc \oplus , a : bc, cp \bigstar^0 , p : bc, n : Ξ bc, cp \bigstar , bc, a : bc, cp \bigstar , bc, p : cp \bigstar , bc, bl, n . bl, b, a : b, p : b, l, n . bl, bc, f, c, y, a : cy, c, p : c, \bullet^0 , n . c \bullet^0 , $p\bullet^0$, o \bullet , a : o \bullet , p : oid ₀ , n .
26 27 28 29 30	Frnb Frnb:Acu:Ast Acu Stcu Frnb	Frnb:Acu:Ast Frst:Ast Acu:Ci Cu:Stcu Stcu:Acu:Cist	Frnb St Ci Ci Ast	10 10 2 4 10	9 2 6	8 7 9	10 1	0 10 0 10 1 0 1 2 8 10	H	H	H G E H	H F E E	G F F F F F		::				•• •• •• •• ••	1	$p igoplus_n$, o , c , a : c , o , $igoplus_n$, p : $o igoplus_n$, n . c , b , b : a : b cf, $b igoplus_n$, p : b : $b igoplus_n$, n . c . b : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : $b igoplus_n$, c : c : c : c : c : c : c : c :
31	3t	St	Frnb:Aet	10	10	10	10 1	0 10	E	В	D	G	1 1	1					•	•	ofefe, $lacktriangle^0$, FeFe, $a:$ of, $c lacktriangle$, $p:$ o $lacktriangle$, bc, n .
Mean Cloud 'Am'nt.		·	· .	6-1	6-3	3-1	5-4 6-	1 5-6	3												
Mean Annual Cloud Am'nt:		·		7-1	7-3	71 7	-06	-7 6-1	5							i					
	7h	13h	1 8 h	7ь	9h	3h j	5h 18	3h 21	7h	91	13h	15h	18b 2	14	7h	9ћ	13h	15h	18h	21h	Remarks on the Weather of the Day.
Day		Cloud Forms					mou orms)		1		Visit	oility		T		P	recip	ıtati	on.		Tellians of the ficulty of the Sept.

Air Ministry METEOROLOGICAL OFFICE

OBSERVATORIES' YEAR BOOK 1935

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

ESKDALEMUIR

Published by the authority of the METEOROLOGICAL COMMITTEE



LONDON
HIS MAJESTY'S STATIONERY OFFICE
1937

Latitude	• •	• •	• •	• •	55°	19'	N.
Longitude	• •	• •	• •	• •	30	12'	W.
G.M.T. of 1	ocal M	lean No	on		12h.	. 131	m_

Heights in metres above Sea-Level

Barometer	• •	• •	• •	• •	237•3
Rain-gauge	• •	• •	• •	• •	242-0
Dines Pressu	ire Tu	be Ane	mometer		250

Heights in metres above ground

Thermometer Bulbs	• •	0•9
Sunshine Recorder	• •	1.5
Dines Pressure Tube Anemometer	• •	15
Beckley Rain-gauge Rim	• •	0.4

INTRODUCTION

HISTORICAL

Early in the twentieth century the increasing artificial magnetic disturbance at Kew Observatory, Richmond, due to the westward extension of the electric tramway system from London, made desirable the establishment of a magnetic observatory in a locality unlikely to be affected, at least for a number of years, by electric power or traction system. A committee of the Royal Society of London selected a site in the parish of Eskdalemuir, Dumfries-shire, for the new observatory. The nearest towns or industrial centres are Langholm and Lockerbie, distant approximately 16 and 18 miles (26 and 29 km.) by road, and there is no point of railroad within 9 miles (14km.) of the Observatory. Installation of the instrumental apparatus commenced in the summer of 1908, the Observatory at that time forming a part of the then recently established National Physical Laboratory.

Although the Observatory was established primarily in the interests of the study of terrestrial magnetism the field of geophysical work undertaken has been considerably wider and has included, almost from the beginning, meteorology, atmospheric electricity (mainly atmospheric potential gradient), and seismology. In the earliest years Milne, Wiechert, Omori, and Galitzin seismographs were in operation at Eskdalemuir, but seismological observations ceased in October, 1925, when the three-component installation of Galitzin seismographs was transferred to Kew Observatory. In 1910, when the majority of the various initial difficulties had been overcome, Eskdalemuir passed from the control of the National Physical Laboratory to that of the Meteorological Office. In consequence of this change the meteorological work assumed increased importance, and from the beginning of 1914 the Observatory has served as a telegraphic reporting station of the Meteorological Office.

Summaries of the results of observations made in 1909-10 were published in the Report of the Observatory Department of the National Physical Labora-

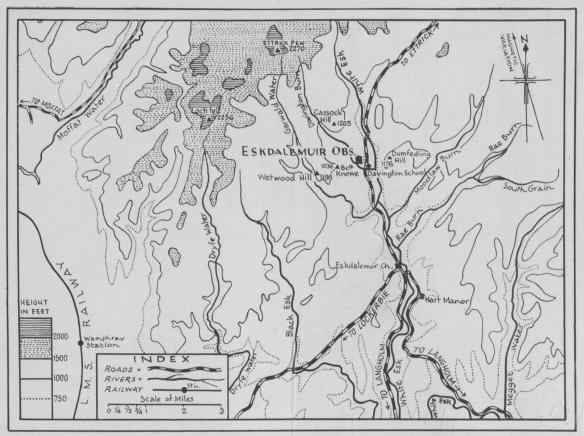
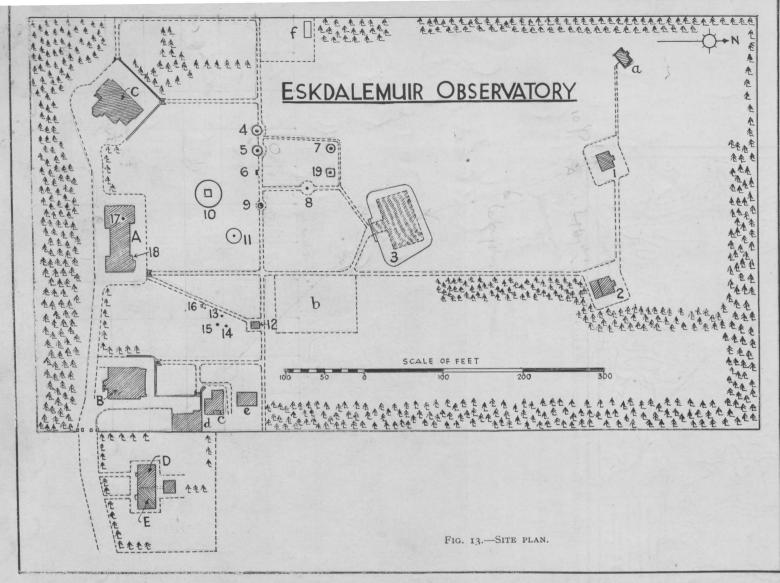


Fig. 11.—Contoured map showing surroundings of eskdalemuir observatory.



Fig. 12.—Aerial Photograph from E.N.E., 900 feet.



- A.—MAIN OBSERVATORY BUILDING.
- B. & C.—RESIDENCES.
- D. & E.—New residences erected 1927-8.
- I & 2.—HUTS FOR MAGNETIC OBSERVATIONS.
- 3.—Underground magnetograph house.
- 4.—BECKLEY, AUTOGRAPHIC RAINGAUGE.
- 5 & 6.—Standard raingauges.
- 7.—HELLMANN-FUESS SNOWGAUGE.
- 8.—Campbell Stokes sunshine recorder.
- 9.—THEODOLITE STAND.
- 10.—PIT FOR POTENTIAL GRADIENT OBSER-
- II.—BESSON COMB NEPHOSCOPE.
- 12.—LOUVRED THERMOMETER HUT.
- 13.—GRASS MINIMUM THERMOMETER.
- 14 & 15.—EARTH THERMOMETERS.
- 16.—Stevenson screen.
- 17.—DINES PRESSURE TUBE ANEMOMETER.
- 18.—ELECTROGRAPH.
- 19.—JARDI RATE OF RAINFALL RECORDER.
- a.—WATER RESERVOIR.
- b.—TENNIS COURT.
- C.—ACETYLENE GAS PLANT.
- d.—GARAGE BLOCK.
- e.-Workmen's Bothy.
- f.—GREENHOUSE.

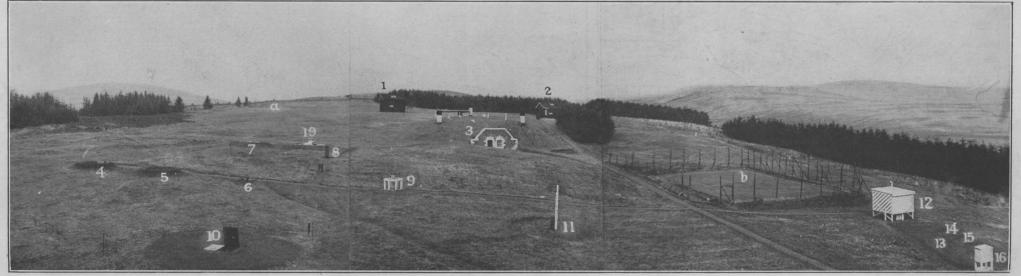


Fig. 14.—General view, N.W. to N.E. from main observatory building.

tory, 1909-10. The results for subsequent years are included in the publications mentioned in the Preface to the present volume.

SITE

Eskdalemuir Observatory, some $3\frac{1}{2}$ miles $(5\frac{1}{2}$ km.) north-north-west of Eskdalemuir Parish Church in the county of Dumfries-shire, is situated on a rising shoulder of moorland which is bounded on the east by the road leading north to Ettrick and Selkirk, on the west by the small Davington Burn, and at the southern extremity by the small hamlet of Davington.

The hillside in the immediate vicinity of the Observatory slopes generally from the north-west to south-east. The mean height above sea level of the Observatory site is about 800 feet (244 metres). Cassock Hill, slightly more than a mile distant to the north-west is 1,205 feet (367 metres), while the bench mark at Davington School, $\frac{1}{4}$ 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 $\frac{1}{4}$ mile (0.4 km.) east of the underground magnet house being 682 feet (208 metres). The River White Esk is rather less than $\frac{1}{2}$ 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) Some 4 or 5 miles (8 km.) to the north is a high ridge, following approximately the boundary between Dumfries-shire and Selkirkshire, the highest point of which is Ettrick Pen (north-north-west) 2,269 feet (698 metres) Rather more than half a mile (0.8 km.) to the west, and beabove M.S.L. yond 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 $(6\frac{1}{2} \text{ km.})$ distant, and beyond that the upper slope of Cauldkine Hill, about 10 miles (16 km.) distant, is visible. surrounding country is bare and wild and there are but few trees to relieve the monotony of the grass-covered hills and moorland.

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

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

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

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

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

- (3) is the underground magnetograph house, constructed throughout of nonmagnetic material. Within the outer shell of stone and concrete, and separated therefrom and from each other by corridors and vaultings, are two similar rooms of which the approximate internal dimensions are:-Length, 25 feet (7.6 m.); width, 20 feet (6.1 m.); height, 10 feet (3.0 m.). of the rooms are just below the undisturbed level of the surrounding ground. The roof portion of the outer containing shell is covered with a thick layer of earth, thus forming the mound shown in Fig.14. The super-structure which is visible in the photograph is part of the ventilation system. room contains the standard magnetographs and the photographic barometer. Other magnetographs have been set up from time to time in the west room. Acetylene gas is chiefly used as illuminant.
- (4) is the Beckley self-recording rain-gauge, and (5) the standard 8 inch rain-gauge; each is surrounded by a low wall or dyke of turf.
- (6) is an auxiliary 8 inch rain-gauge but is not artificially screened.

(7) is a snow-gauge of the Hellman pattern, made by Fuess.

(8) is the Campbell-Stokes sunshine recorder on white of by the off the weakled of the weakled of

- (9) is a concrete pillar, 4 feet high, on which a pilot-balloon theodolite may be mounted. The pillar is surrounded by a wooden seat of convenient dimensions.
- (10) is the pit from which observations of the electric potential 1 metre above the surface of the ground are made. The dimensions of the brick-lined pit are 4 feet (1.2 m.) by 3 feet (0.9 m.) by 3 feet. which consists of a fixed and a hinged portion is covered with zinc, is provided with a small glass window, and is almost flush with the level of the approximately circular lawn indicated on the plan by the dotted circle.
- (11) is a stone pillar formerly used as a support for an aspiration apparatus but latterly used to support a Besson Comb nephoscope.
- (12) is a large louvred hut which contains the standard dry and wet bulb thermometers, the photographic and pen thermographs, and the maximum and minimum thermometers. The hut, of which the general features may be seen on reference to Fig. 14 is painted white inside and out. Until 1925, when electric light was introduced, acetylene gas was the illuminant for the photographic thermograph.
- (13) marks the position in which the grass minimum thermometer is exposed between 18h and 7h G.M.T.
- (14) & (15) are earth thermometers, 1 foot (0.3 m.) and 4 feet (1.2 m.)below ground level respectively.
- (16) is an auxiliary screen in which a hair hygrograph was exposed until June 15, 1928.
- (17) indicates the position of the mast of the Dines Pressure Tube Anemometer and (18) the position of the jet of the Kelvin water-dropper electrograph. Villam Callette
- (19) is a Jardi rate of rainfall recorder. It is installed in a pit six feet (1.8 m.) deep and screened by a low dyke of turf

- 0
- (A) is the main building two-storied and containing offices, workshop, laboratory, seismograph and photographic rooms.
 - (B) & (C) are residences (Schuster House and Rayleigh House, respectively)
- (D) & (E) are residences (Glazebrook House and Shaw House, respectively), which were erected in 1927-8.
- (a) is a water reservoir, from which water is distributed to the various buildings. The reservoir is fed from a spring on Cassock Hill by means of a pipe line.
 - (b) is a tennis court.
 - (c) is the acetylene gas generating house.
- (d) is a block containing the garage, the electric lighting generating set and the accumulator batteries. The electric lighting equipment, which was installed in 1924, provides for continuous illumination for photographic recording instruments in (3), (12) and (A) and for occasional general lighting in (A), (c) and (d). The voltage on the lighting circuits is restricted to 8 volts. Connection between the battery room in (d) and buildings (12) and (A) is by underground cable which is insulated, lead covered and armoured, and between (3) and (A) by insulated cable carried just above ground level. All precautions have been taken to guard against leakage of current to earth.
 - (e) is a workmen's bothy and (f) is a small greenhouse.

METEOROLOGY

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

Notes on Instruments

Brief descriptions of the recording instruments and of the methods of tabulating the records, with notes on the information contained in the Tables, are given in the General Introduction to the Tables. The following particulars, which refer specially to Eskdalemuir, are to be regarded as amplifying the information contained therein. References to full accounts of other instruments used at Eskdalemuir appear below.

<u>Pressure.-</u> The Fortin Barometer, which after repair was re-introduced as standard in January 1933 and superseded the standard Kew pattern barometer, was used throughout the year. The two barometers are close together in the north-west ground floor room, which has a small daily range of temperature.

The photographic mercurial barograph is situated in the east roof of the underground magnet house. The daily range of temperature to which the instrument is subject is normally less than 0.05°C., the annual range being about 4°C. The scale value of the records is 1 millimetre on the paper = 0.85 millibar, and the time scale is 9.1 millimetres on the paper = 1 hour.

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

Temperature. The photographic thermograph and the standard mercurial thermometers, dry bulb and wet bulb, are situated in a wooden hut, provided with louvred sides and double roof, which is some 200 feet (60 m.) north-north-east of the main building. The installation is similar to that described on p.12, except that a special enclosure is provided inside the hut to accommodate the optical and photographic arrangements.

The scale values of the thermograph records are $1^{\circ}A$. = 3.064 mm. and 2.438 mm. on the paper for the dry and wet bulb records respectively, while the time scale is 1 hour = 9.250 mm.

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

<u>Humidity.-</u> In addition to the dry and wet bulb thermograph described above there is a Richard hair hygrograph which is situated in the louvred hut.

As is stated in the General Introduction, the records from this instrument are utilised when the wet bulb reading does not exceed 273°A. On the records obtained in 1935 a change of 10 per cent. in relative humidity is represented by about 0-8 centimetre, the time scale being 1 hour = 11-4 mm.

Rainfall.- The recording instrument is a Beckley self-registering raingauge, which is described on page 13. The time scale of the record is 1 hour = 9.24 millimetres on the paper and the rain scale has a magnification of 3.35. The instrument has been in use at Eskdalemuir since 1908 and was originally installed at Fort William in July, 1890.

The conical part of the gauge funnel is surrounded by a cylindrical copper casing lined with asbestos on the inner side and of diameter equal to that of the funnel, viz. 11.27 inches (28.6 cm.). Within the enclosure so formed is a gas jet, and a flame of suitable dimensions is maintained, as circumstances dictate, to melt snow which may be collected.

The gauge is surrounded by a circular turf wall or dyke, the top of which is on a level with the rim of the gauge; the external and internal diameters of the dyke being 11.5 feet (3.5 m.) and 7 feet (2 m.) respectively.

A standard 8-inch (20.3 cm.) rain-gauge is situated some 24.5feet (7.5m.) to the east of the Beckley gauge and is surrounded by a turf dyke of similar dimensions. Readings of amounts of rain received in the 8-inch gauge are made at 7h and 18h G.M.T. It is customary to adjust the indications of the recording gauge to agree with the readings of the standard check gauge.

Auxiliary autographic records of precipitation were obtained by means of a Hellman-Fuess snow-gauge which is situated in a pit 8 feet (2.4 m.) wide

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

and almost due north of the 8-inch standard gauge, the pit being surrounded by a low wall of earth and turf, the top of the wall being approximately level with the rim of the gauge. The records so obtained are used only in the event of failure or uncertainty of the Beckley autographic record. Records of rate of rainfall are obtained by means of a "Jardi" rate of rainfall recorder situated in a pit similar to that containing the Hellman-Fuess snow gauge and situated to the eastwards of it; the rim of the gauge is approximately 2.5 feet (0.3 m.) above the surrounding low wall of earth and turf.

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

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 Angstrom compensating pyrheliometer. The intensity of radiation is expressed in milliwatts per square centimetre (lmw per sq. cm. = 0.01435 gramme calorie per sq. cm. per minute). In addition, the value of sec Z is given where Z in the zenith distance of the sun. This affords an indication of the mass of atmosphere which the solar radiation has had to penetrate before reaching the earth. Entries in the column headed "Sky" are intended to show the presence or absence of haze, mist or cloud in the direct path of the solar radiation recorded.

<u>Wind.- A Dines Pressure Tube Anemometer, furnished with direction recorder, is situated in the main building.</u> The vane-head is 15 metres above a tangent plane to the slope of the hillside and approximately 7 metres above the general level of the roof of the building.

In August 1933, the anemometer was replaced by another of similar pattern, except that the suction and pressure effects are now transmitted to the speed recorder by means of copper pipes of 2.5 cm. internal diameter, instead of by "compo" tube of 1.3 cm. internal diameter.

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

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

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

ion records show markedly greater turbulence than with other winds.

Earth Temperature. Readings have been made at 9h G.M.T. of the earth temperature at nominal depths of one foot and four feet below the surface of the grass lawn a few yards south of the thermometer hut. The thermometers and the method of exposure are of the standard type described in the "Meteorological Observers' Handbook". The depths of the thermometer bulbs below the grass-covered surface of the ground are 30 cm. (1 foot) and 122cm. (4 feet). In December, 1930, two more thermometers, graduated in degrees absolute, were installed at 1 foot and 4 feet respectively alongside the other two thermometers graduated in degrees Fahrenheit, the former being retained as spares. The Fahrenheit pair were replaced as standards by the Absolute pair at the beginning of 1931.

Minimum Temperature on the Grass. The thermometer used for readings of grass minimum temperature is of the spirit type with index, and when exposed, between 18h and 7h G.M.T., is supported at a height of one or two inches (4cm) above close-cropped grass a few metres from the louvred thermometer hut.

Visibility.- The descriptions of the selected visibility objects, together with the distances and bearings from the point of observations, are given in the subjoined table. Auxiliary objects and guide criteria are given in brackets. Certain of the nearer objects may be identified by reference to the photographs and site plan. Unless otherwise stated, the distances and bearings are with reference to certain of the windows on the upper floor of the main building.

The situation of the Observatory and the nature of the immediate surroundings allow of only a very limited choice of objects. The objects A to D are situated mainly to the north, while the more distant objects are towards south to south-east, i.e., down valley. Four miles or so to the north of the Observatory the hills rise in places to rather more than 2,000 feet above sea level and at times visibility in this direction is distinctly less than towards south. On other occasions the hills to the north are visible but nearer objects down the valley are invisible owing to valley mist. With the exception of the cottage at Finglandsheil, and Cauldkine Hill, the objects more distant than D are below the level of the Observatory. There are no objects at distances which approximate sufficiently closely to the standard distances for objects H, J and K. When it is estimated that the range of visibility is such that objects at these standard distances would be visible the corresponding small letter entries are made in the Diary of Cloud and Weather. 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.

VISTRILITY O	RIECTS AT	ESKDALEMITE
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Object		Di:	stance I	Bearing
A	(i) Twigs on trees nearest the boundary wall in front of the main building (ii) Small thermometer screen viewed from steps facing the back entrance to the main build-	25	yards	S.
	ing.	26	11	NNE.
	(i) Theodolite pillar	5 5	11	N.
В	(ii) Chimney (or cowl) on the large thermometer screen.	60	π	NE.
C	Posts and shafts on underground magnetograph house	107	11	N.
D	Standards on Observatory reservoir	217	11	NNW.
120	(i) Church and Manse, Davington	550	Ħ	SE.
E	(ii) (Davington Farm House)	470	11	SSE.
F	(i) Chimneys at Burncleuch	1180	Ħ	SSE.
£	(ii) (Cottage at Finglandshiel)	1550	11	NE.
G	Trees at Garwaldwaterfoot	2160	11	SSE.
	(Lower slope of Raeburn Hill)	2	miles	SSE.
I	Hart Manor	4	11	SSE.
J (j)	(Cauldkine Hill, 1,478 feet, near Westerkirk,			
	not clearly visible)	10블	"	SSE.
K (k)	(Cauldkine Hill, 1,478 feet, near Westerkirk,	~		
	plainly visible)			
L (1)	No objects available			
M (m)	No objects available	Ì		

Note: - The description of auxiliary objects and guide criteria are given in brackets.

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1935

Standard Fortin Barometer	• •	• •	• •	• •	M.O.	1716/27
Standard Dry Bulb Thermometer	• •	• •	• •	• •	M.O.	19123
Standard Wet Bulb Thermometer	• •	• •	• •	• •	M.O.	1695
Hair Hygrograph	• •	• •	• •	• •	M.O.	59
Recording Beckley Rain-gauge	• •	• •	• •	• •	M.O.	4
Jardi Rate of Rainfall Recorder	• •	• •	• •	• •	M.C.	1
Control Rain-gauge	• •	• •	• •	• •	M.O.	336/3 0
Control Rain-gauge, glass for	• •	• •	• •	• •	M.O.	1568
Campbell-Stokes Sunshine Recorder	• •	• •	• •	• •	M.O.	99
Angstrom compensating Pyrheliomete	r	• •	• •	• •		116
Dines Pressure Tube Anemometer	• •	• •	• •	• •	. 1	019, 1081
Grass Minimum Thermometer	• •	• •	• •	• •	M.O.	23002
Earth Thermometer, 1 Ft	• •	• •	• •	• •	M.C.	24009
n n 4 Ft		• •			M.O.	4

CORRECTIONS TO INSTRUMENTS IN USE IN 1935

The corrections to the instruments in use during 1935 are given below. In all cases the corrections are those given in the certificate of examination issued by the National Physical Laboratory. The corrections here given have been applied. The date on which each of the instruments mentioned was brought into use is given for purpose of reference.

Fortin Barometer, M.O. 1716/27, Jan. 15, 1932.

at	880	910	940	97 0	1000	1030	1050	mb.
	-0.10	-0-05	-0-05	-0-05	-0-05	-0.05	-0.05	

Attached thermometer, No. 5592, Jan. 15, 1932.

Dry Bulb Thermometer, M.O. 19123. January 27th, 1919.

at	263	268	273	278	283	288	293	298	A° 808
	+0•2	+0•1	0•0	0•0	0•0	-0.1	-0•1	-0-1	-0-1

Wet Bulb Thermometer, M.O. 1695. May 17th, 1930.

at	253	263	273	283	293	303	313 °A.
	0.0	0.0	-0-1	0.0	0.0	0-0	0•0

Grass Minimum Thermometer, M.C. 23002. May 8th, 1930.

at	253	263	273	283	293	303 °A.
						
	-0.1	-0-1	0•0	0.0	0.0	-0-1

Earth Thermometer 1 Ft. M.O. 24009 - No corrections. 4 Ft. M.O. 4, from 260 to 310°A., + 0.1.

NOTE ON THE REDUCTION OF BAROMETER READINGS

The Fortin barometer, M.O. 1716/27 by Casella, London, has been used as the standard since 1st January, 1929. Before this date a Kew pattern mercury barometer M.O. 1320 by J. Hicks, London, was the standard instrument from 16th December, 1913. The latter was re-introduced on July 14,1931 when the Fortin barometer developed a leak and was sent away for repair and remained in use until January 14, 1933; the repaired Fortin barometer was then re-introduced.

1. Reduction to Pressure at Station Level. The corrections for index error (including those for capacity and capillarity) as given in the N.P.L. certificates are reproduced above. The corrections for temperature for the barometer are those given in the "International Meteorological Tables" as appropriate to a Fortin barometer.

The corrections for the variation of gravity as obtained from the expression

 $g = 980.617 (1.00259 \cos 2\lambda) (1.5z/4E)$

where $\lambda = latitude$

z = height of the station

E = earth's radius

are as follows:-

2. Reduction to Mean Sea Level. The correction to reduce pressure at station level to pressure at sea level is calculated according to the usage of the "International Meteorological Tables" with certain minor modifications which are set out in "The Observatories' Year Book", 1928. In the same volume is given a copy of the Table actually in use.

NOTES ON THE METEOROLOGICAL SUMMARIES

The number of years for which meteorological results are available is insufficient as yet to yield a completely representative set of normal values. Although certain meteorological data are available for 1909 and 1910 it is only since 1911 that the reductions have been made in accordance with an approximately uniform plan. In the following notes the normal or average values referred to are for the period 1911 to 1930, unless otherwise stated.

Pressure.- As was the case throughout most of the British Isles the mean pressure for the year was below normal, the deficiency being 0.9 mb. In the months January, March, May, July and August the mean pressure was above normal, the greatest excess being in January viz. 12.9 mb.; in each of the other months it was below the average. The extreme instantaneous values recorded were 1014.1 mb. on January 18, and 939.2 mb. on December 1. The greatest and least mean daily values were 1013.3 mb. on January 18, and 943.2 mb. on December 1. The largest value of the range during a calendar day was 32.6 mb. on January 26. The mean value of the absolute daily range of pressure varied between 11.1 mb. in October, and 4.2 mb. in August. The annual mean value of the daily range was a little above normal.

Pressure. (Diurnal Variation):- In the mean diurnal inequality for each month there are two maxima, in the late forenoon and usually an hour or two before midnight, and two minima, in the early morning and afternoon. In all months, except January, February and November, the night maximum of the representative inequalities for the years1911-20 is the larger. In 1935 the principal maximum occurred in the late forenoon in January, March, July,MAY October and December. The principal minimum in the representative inequalities is in the afternoon except in February, March, August and November, but in 1935 the principal minimum falls in the early morning in February, April, August, September and November. Compared with the mean diurnal inequality for 1911-20(1), in 1935 the night crest is enhanced, while the early morning trough

^{(1) &}quot;On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfries-shire," by A. Crichton Mitchell, D. Sc., "Quarterly Journal of the Royal Meteorological Society." Vol. L, No. 210, April, 1924.

is diminished.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1935 are given in the accompanying table. For purposes of comparison the corresponding data $^{(1)}$ derived from the mean inequalities for the period 1911-20 are also given. In computing the Fourier coefficient for 1935 the unit employed was $\cdot 001$, mb. Although for 1935, as for recent years, the phase angles are given to the nearest 1° , this course is scarcely justified, at least for the third and fourth components, by the character of the data from which the harmonic coefficients for the months and seasons of a single year are computed. The phase angles a_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 \mathbf{c}_1 to the value of \mathbf{c}_1 for the year as a whole considerably exceeds unity. \mathbf{c}_1 is noticeably high for May and September. The value of \mathbf{c}_2 for the equinox, summer, winter and year differed little from normal. The variations in the 8-hour term from month to month is fairly normal, the amplitude being largest in winter months and least at the time of equinoctial phase transition.

HARMONIC COEFFICIENTS OF THE DIURNAL INEQUALITY OF ATMOSPHERIC PRESSURE ESKDALEMUIR, LONGITUDE 3° 12' W.

Values of c_n , a_n in the series c_n sin (15nt + a_n), t being Local Mean Time reckoned in hours from midnight.

Month		71	α	l.		c ₂	α	2		^С 3	α	3		C ₄	α	4
and Season	1935	1911- 20	1935	1911- 20	1935	1911- 20	1935	1911- 20	1935	1911- 20	1935	1911- 20	1935	1911- 20	1935	1911- 20
	mb.	mb.	0	0	mb.	mb.	•	0	mb.	mb.	۰	0	mb.	mb.	۰	0
Jan.	•13	•09	69	346	·18	•23	147	152	111	.13	337	345	•03	•05	191	214
Feb.	-25	.12	130		.28	.27	143	138	-10	-08	36	341	-02	•04	70	68
Mar.	•15	•13	316	185	·41	- 30	163	145	-09	-05	324	335	•05	-05	343	25
Apr.	•33	.21	148	92	• 28	-30	156	155	-03	•02	244	156	-05	-05	9	356
May	-49	•23	31	53	- 32	-27	150	147	-06	-07	156	160	-04	•03	319	330
June	-24	•15	89	54	-24	•23	141	146	10	-08	150	161	•03	-02	343	326
July	•11	•17	25	69	·18	-21	143	141	-08	-08	143	156	-02	-02		300
Aug.	-14	•11	145	115	.21	- 24	149	148	-07	•06	145	157	-05	-05		331
Sept.	-55	•12	170	8 8	• 26	• 31	182	152	•02	-01	141	111	-06	•05	353	345
Oct.	-19	•11	45	76	-26	•31	170	159	-07	-06	27	8	•03	-04	77	33
Nov.	-28	•13	126	183	.24	-24	151	168	•05	-10	4	9	-05	-01	226	146
Dec.	•30	•14	354	297	•27	•21	153	147	•13	•12	3	4	-08	-07		213
Arithmetic																
Mean	-26	•14			-26	•26			-08	-07			-04	-04		١
Year	-12	•09	95	91	. 26	-26	155	150	•02	-02	35	42	-016	.02	319	342
Winter	•12	•04	85	165	.24	-24	149	151	•09	11	4	355	•036	-02	165	
Equinox	-16	•11	214	104	·30	•31	206	153	.03	.02	339	4	-040	•04	7	9
Summer	•18	·15	56	67	.24	.24	146	146	•08	•07	148	159	-025	•03	330	324

NOTE.- "Winter" comprises the four months January, February, November, December. "Equinox" the months March, April, September, October.

[&]quot;Summer" the months May to August.

^{(1) &}quot;On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfries-shire," by A. Crichton Mitchell, D.Sc., "Quarterly Journal of the Royal Meteorological Society," Vol. L, No. 210, April, 1924.

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

The values of the absolute range of temperature within a calendar month vary between 28.0°A. (50.4°F.) in June and 15.8°A. (28.4°F.) in December.

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 1934 are - 9 in May and + 6 in June. The mean relative humidity, 83.6 per cent. for the year, is slightly less than that for the years 1911-25, whilst the mean vapour pressure, 8.5 mb., is slightly greater than the mean for the years 1922-30. The extreme daily mean values of relative humidity and vapour pressure were 99.0 per cent. on June 21, 55.1 per cent on May 5, 19.3 mb. on June 23, 2.9 mb. on December 23. The lowest hourly reading of relative humidity was 27 per cent. on May 18.

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

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

Sunshine. The year's total duration of bright sunshine, 1262.8 hr. represents 28 per cent. of the theoretically "possible" duration; whereas the average percentage of "possible" for the years 1911-30 is 26.9. As regards the percentage of "possible" May was the sunniest and October the least sunny month of 1935. In all, there were 86 days without sunshine, 14 of these being in January, and 13 in December, and 87 days with 50 per cent. or more of the "possible" sunshine. The day with the most sunshine was June 29, with 15.0 hr. July 30 with 14.6 hr. (91 per cent) represents the highest value of the percentage of "possible" sunshine. October (with 51.2 hr.) and December (with 59.9 hr.) were respectively the dullest and brightest months of their name, while May(with 267.7hr) was the sunniest month ever recorded.

Wind. The mean wind speed for the year, 4.7 m/s. (10.3 mi/hr.), was 0.4 m/s. less than the normal value. The individual monthly values differed respectively little from the normal monthly values, the mean speeds for January, November and December exhibiting the greatest relative deficiency and those for February and October the greatest excess. There were 35 hours of gale force (mean speed greater than 17.1 m/s.), 12 of them occurring in October. The highest gust of the year, 38.8 m/s. (87 mi/hr.), occurred on October 19, the highest hourly speed 20.0 m/s. (44.7 mi/hr.), on January 11, the highest mean daily speed, 15.3 m/s. (34.2 mi/hr.), on October 19 and the lowest mean daily speed, 0.3 m/s. (0.7 mi/hr.), on February 8.

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

Grass Minimum Temperature. There were 115 occasions of ground frost (i.e. grass minimum temperature not greater than 272·1°A. or 30·4°F.), but none of these occurred between June 19 and July 30; the number for December (21) equalled the previous December record (1925). The lowest grass minimum temperature was 260·0°A. (8·6°F.) on both December 23 and 24. The mean grass minimum temperature for each of the months January, February, November and December is less than 273·0°A. (32·0°F.), the mean for December being the lowest for that month on record.

Cloud and Weather.- (A) the mean amount of cloud observed at the six hours of observation is 7.4, which is a little below the normal. June with 8.4 has the largest mean amount, and May with 5.6 has the smallest. The largest mean amount for an observational hour is 9.1 at 9h in June; the least is 4.6 at 18h in May. There were no days, on which no cloud was seen at the normal hours of observation. On 27 days the amount 10 was recorded at every hour of observation.

- (B) Thunder was heard on 11 days, while there were observations of solar halo on 15 days, and of lunar halo on 4 days, and of aurora or auroral glow on 10 days.
- (C) The numbers of occasions on which the range of visibility was estimated to be (1) less than 1000 metres (1100 yards), corresponding with the entries X to E, and (2) at least 20 kilometres ($12\frac{1}{2}$ miles), corresponding with the entries k, 1, m, are summarized below. The limitations to which the estimates of visibility are subject are mentioned on p. 154. It is to be noted that the group (1) above consists of the occasions which are held to merit the description "fog, moderate, thick, or dense", while the entries k, 1, m, denote "very good or excellent visibility".

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

NUMBER	\mathbf{OF}	OCCASIONS	OF-

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

ATMOSPHERIC ELECTRICITY

Notes on the Instruments

Autographic records of atmospheric electrical potential gradient were obtained by means of an electrograph of the Kelvin water-dropper type, the potential at the water-jet being registered by a Dolezalek quadrant electrometer. On January 4th 1933, the double nozzle of the water jet was altered to a single nozzle; otherwise in all essential details the electrograph arrangements, the method of making scale tests and the method of reducing the autographic curve readings to potential gradient in the open were as described in "The Observatories' Year Book," 1928, pp. 160-161. Insulation tests were carried out each day, using an eye-reading method. The system was charged, and the fall in potential during a two minutes interval was measured by noting the change in position of the spot of light on a scale placed in front of the recording drum.

The scale value of the photographic record obtained by means of the Dolezalek electrometer used in conjunction with the water-dropper remained at about 2.0 to 2.1 volts per mm. throughout the year. The number of determinations of the reduction factor (i.e., the ratio of the potential at one metre above the ground in the open to the potential at the water-jet) was about six per month, each determination being based on fifteen or more readings (at intervals of half a minute) of the potential in the open. The values of the monthly reduction factor finally adopted for 1935 were obtained by a smoothing process, the adopted value for a given month being $\frac{(a+2b+c)}{4}$ where a, b, c, are the unsmoothed monthly mean factors for the three successive months centred in the given month.

All determinations of scale value and reduction factor were obtained with a particular Wulf quartz-thread electrometer. This instrument was calibrated

by means of a high tension battery, the potentials of which were measured by a potentiometer and standard cell. According to the scale value adopted for the Wulf electrometer in 1935, the instrument had about the same sensitivity as in 1934.

IDENTIFICATION NUMBER OF INSTRUMENT USED IN 1935

Wulf bifilar electrometer 3040

Notes on the Tables and Results

As far as possible an electrical character figure is assigned to each day and values of potential gradient are assigned for 2-3h, 8-9h, 14-15h, and 20-21h G.M.T. of all days, while values for all hours are assigned on days classified as Oa, la, or 2a. The character figures are given in Table 268, the significance of these symbols being as follows:-

- O, 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 20-2lh G.M.T.; the value for a given hour represents the mean for the period of 60 minutes between exact hours, instead of centering at the exact hour, as was done in years prior to 1932. Blanks indicate that the trace was in some way defective. If it is possible to assign an approximate value of the potential gradient on such days, this value is given in brackets. The reduction factors, used in converting the potential at the water-jet to potential gradient in volts per metre in the open, are also given.

In Table 266 are given, for Oa 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 la 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 ne-On 22 days of defective record when negative gative potential gradient. potential may have occurred dashes are entered; the sign of the gradient has been assumed positive during periods of defective recordin 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 For the 363 days of assignable duration of negative potential the table. gradient the total number of hours was 790.8 as compared with 838.1 in 1934; an average of 2.18 hours per day, as against 2.37 hours per day in 1934.

Following the practice adopted in 1923, the mean values of potential gradient given in Table 265 are of two kinds, viz., (a) the mean of all the positive values of potential in the column and (b) the algebraic mean derived from all days on which all four hours were represented. The mean values for the month, as derived from the (a) and (b) values respectively, are shown in the last line, and the means for the year are given at the foot of the December table. It is to be expected that the mean derived from the values at 2-3h, 8-9h, 14-15h, 20-2lh, on a sufficiently large number of days, will approximate closely to the mean value derived from all hourly values of all the days.

The (a) mean exceeds or is equal to the (b) mean in every month excepting February, March, May, June and September and is exceeded by the mean value on Oa days, in all months excepting November. The general tendency is for 1935 values to be higher than those of 1934, this being the case in five months for both the (a) mean and the (b) mean.

Annual mean values for recent years, derived by giving equal weight to the twelve monthly means, of the (a) and the (b) means and of the means for Oa days are as follows:-

as I	OTTOME	3: -			0av	(a) v/m.	(b) v/m.
1922		• •	• •	• •	257	225	182
1923	• •	• •	• •	• •	278	235	159
1924	• •	• •	• •	• •	236	214	157
1925	• •	• •	• •	• •	284	243	209
1926	• •	• •	• •	• •	249	201	177
1927	• •	• •	• •	• •	259	223	193
1928	• •	• •	• •	• •	237	219	150
1929	• •	• •	• •	• •	276	240	216
1930	• •	• •	• •	• •	247	211	194
1931		• •	• •	• •	243	205	197
1932			• •	• •	223	198	190
1933		• •	• •	• •	237	218	218
1934	• •	• •	• •	• •	233	201	190
1935	• •	• •	• •	• •	231	203	200

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

Noteworthy occasions of high potential gradient were as follows:-

- (1) January 12d 2h 37m to 8h 8m and January 12d 18h 13m to 2lh 26m. During the earlier period snow fell and was accompanied by lightning whilst in the latter the sky was cloudless and the ground snow covered. On both occasions the potential gradient remained continuously above 600 v/m and at times exceeded the upper limit of registration (+1140 v/m).
- (2) January 13d 12h 4m to 16h 7m. During this period intermittent snow fell, the upper limit (1150 v/m) of potential gradient was at times exceeded while the potential gradient, excepting for a momentary drop, remained above 600 v/m.
- (3) January 15d 15h 47m to 20h 11m. During this period of fog the potential gradient remained above 570 v/m and for more than an hour continuously exceeded the limits of registration (1140 v/m).
- (4) January 29d 15h to 30d 0h 6m. During this period of clear skies, the potential gradient remained above 550 v/m and at times exceeded the limit of registration (1170 v/m).
- (5) February 9d 18h 24m to 22h 17m. Potential gradient was above 580 v/m throughout and for a brief period exceeded the limit of registration (1170 v/m).
- (6) June 24d 22h 45m to 25d 6h 13m. Associated with a low stratus cloud sheet the potential gradient remained over 580 v/m throughout, the extreme being 1000 v/m and the average about 740 v/m.
- (7) November 24d 19h 57m to 25d 3h 28m. Fog developed during this interval and, apart from two brief intervals, the potential gradient exceeded 500 v/m, the maximum being 1280 v/m and the average approximately 800 v/m.

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

- (1) March 29d 12h 45m to 19h 8m. Continuous slight rain fell during this period. The lower limit of registration (-850 v/m) was exceeded for an aggregate time of more than three hours.
- (2) April 16d 1h 17m to 9h 32m. During continuous rain. potential gradient remained negative, the lower limit of registration (-860 v/m), apart for a brief period, being continuously exceeded throughout.
- (3) September 18d 2lh 12m to 19d 4h 29m. During this period of continuous rain, heavy at times, the lower limit of registration (-930 v/m) was exceeded frequently.
- (4) October 8d Oh 2lm to 6h 24m. Rain, heavy at times, fell throughout the period during most of which the potential gradient exceeded the lower limit of registration (-910 v/m).

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

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

- (1) February 16d 3h 16m to 15h 10m. Rain fell continuously during this period and, apart from four very brief excursions to the positive side, the greatest reaching +34 v/m, potential gradient was negative throughout, the lower limit of registration (-810 v/m) being frequently exceeded.
- (2) February 20d 2h 48m to 13h 12m. Apart from one brief excursion to +38 v/m, potential gradient was negative throughout and for the greater part exceeded the lower limit of registration (-810 v/m). Rain, heavy at first, fell continuously.
- (3) April 16d 15h 45m to 17d 9h 18m. The potential gradient, apart from two excursions to the positive side of 14 minutes and 6 minutes respectively during the latter of which it reached +90 v/m, was negative and for an aggregate of over 12 hours exceeded the lower limit of registration (-840 v/m). Rain fell nearly continuously.
- (4) May 15d 10h 10m to 17h 53m. During this period of snow, sleet and rain, apart from a very brief excursion to +66 v/m, potential gradient was negative and continuously below the limit of registration (-850 v/m).
- (5) August 30d llh 13m to 22h 43m. During this period of negative potential gradient there were several short excursions to the positive side, the value of the potential gradient in 5 of these exceeding the upper limit of registration (1000 v/m). There was continuous rain, heavy at first, throughout the period and the potential gradient frequently exceeded the lower limit of registration (-970 v/m).
- (6) October 5d 2h 4m to 14h 27m. During one excursion of three minutes duration to the positive the potential gradient reached +6l v/m, but otherwise remained negative throughout, the lower limit of registration (-910 v/m) being exceeded for an aggregate of more than 5 hours. Rain fell continuously.
- (7) November 15d 4h 42m to 1lh 4m. There was one brief excursion to +158 v/m near the end of this period. Apart from this the potential gradient remained negative and exceeded the lower limit of registration -850 v/m during an aggregate of over 4 hours. Rain fell continuously.

There are considerable irregularities in the mean diurnal inequalities of potential gradient on Oa day's for individual months, although in all months, excepting April, the principal maximum occurs in the late evening. When compared with normal values for 1911-21 the mean diurnal inequalities for the seasons, summer and equinox, correspond fairly closely to normal, excepting that the principal maximum is more prominent. In the mean diurnal inequality for

tne winter season, the chief difference is that the principal minimum is intensified.

TERRESTRIAL MAGNETISM

Notes on the Instruments

The standard magnetographs¹, which have been in regular use since 1909, are situated in the east chamber of the underground magnet house and until December 31, 1931 they were arranged so as to record changes of the three geographical components of terrestrial magnetic force, viz., the north component, N (or + X), west component, W(or - Y), and the vertically downward component V (or + Z). From January 1, 1932, the instruments recording changes in the north component, N, and the west component, W, were altered so as to record changes in the horizontal component, H, and the magnetic declination, D, respectively.

The instruments for the north and west components were of the Adie bifilar type, in which torsion of the bifilar suspension, of fine tungsten or steel wire, is utilised to bring the magnets into an azimuth approximately perpendicular to the directions of the components whose changes they respectively record. The alteration to the north component instrument consisted in turning the torsion head of the suspension until the magnet was in the azimuth perpendicular to the magnetic meridian. The alteration to the west component instrument consisted in replacing the bifilar tungsten wire suspension with a unifilar suspension of eight strands of unspun silk. In each of these instruments the magnet is about 13.8 cm. in length and is suspended within a copper shell, or frame, of suitable dimensions to ensure that the movements of the magnet are sufficiently damped. To the magnet is rigidly attached a semi-circular plane mirror, immediately beneath which is a fixed mirror of similar form and dimensions. Each magnet and mirror system is contained within a brass cylindrical case, cemented on to a pier and surmounted by a tall bell-jar of glass. Light from a brightly illuminated slit passes through a collimator, is incident upon the two mirrors and after reflection passes along a wooden channel and thence, through a horizontal hemi-cylindrical lens, to a photographic paper wound on a clock-driven cylinder. The hemi-cylindrical lens is set in the side of the case containing the recording drums, and matters are so arranged that the beams of light reflected from the two mirrors are brought to a focus by the lens which condenses the two vertical images to two sharply focussed dots on the paper. Hence the record obtained consists of two traces, the one straight and known as the base line, the other curved and representing the angular movements of the suspended magnet, and therefore the changes in the component of terrestrial magnetic force.

The standard instrument for the vertical component is a Watson multiple-magnet balance.² In this instrument the magnet system consists of eight magnetised steel rods, each 10 cm. long and 0.2 cm. in diameter, carried by an aluminium frame to the centre of which are attached the moving mirror and also the knife-edge, which bears upon an agate plane and about which the system balances. Copper damping plates and a temperature-compensating device are provided. The recording arrangements are similar to those describ-

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

²Terrestrial Magnetism, Vol. VI.

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

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

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

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

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

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

May June July Month. Feb. Mar. Sept. Oct. Nov. Dec. Jan. Apr. Aug Mean 1935 4.0 3.3 2.9 2.7 3.1 3.9 5.3 6.4 6.8 6.3 6.3 4.2

EXCESS OF MEAN TEMPERATURE ABOVE 280°A.

The annual range of temperature during 1935 was 4.4°C., the mean range for the previous twenty-four years being 4.3°C.

2.7

3.6

4.7

5.7

6.3

5.4

4.4

The constants of the standard magnetographs were as follows:-

2.9

3.5

Mean 1911-34

2.5

2.3

	Horizontal Force	Declination	Vertical Force
Time scale l hour equivalent to Time marks		15.5 mm. cours, beginning a Not more than 1 10.9	texact hour.
Logarithmic decrement 1	· 378 · 00032	•621 •00029	•0003
Twist of bifilar suspension length of bifilar suspension	33°	-	-
Ratio mean breadth of suspension	73	-	-
Temperature coefficient, per 1° C.	-9Y		+ 20 to + 25y
Direction of marked pole Mean Azimuth of magnet	West 256	North 346	346°

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

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

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

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

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

SCALE VALUES OF THE MAGNETOGRAPHS (y per mm. on the paper).

·	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct	Nov	Dec.
Horizontal Force	4 • 56	4.57	4.57	4 • 57	4.57	4 • 56	4 • 56	4.57	4.57	4.56	4.54	4.54
Vertical Force	3-77	3•76	3•75	3•74	3.74	3•76	3•79	3•79	3•79	3•79	3•79	3•79
Declination					1 mm	. = 1	600 o:	r 4.8	2γ			

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, 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 Thus, in 1935 the scale values of the Adie H and V records were approximately 10y and 5y per mm. respectively. Determinations of scale value are made by the method due to Broun. To facilitate the necessary adjustment, from time to time, of the azimuth of the horizontal force magnet, magnetic meridian lines (and lines perpendicular thereto) representing a sufficient range of values of declination were laid down in the west chamber in December, 1928, on the basis of simultaneous observations of declination in the chamber and in the east magnetic hut.

An auxiliary la Cour magnetograph of the quick run type, recording H, D, and V, was installed in the west chamber of the underground magnet house in connection with the second International Polar Year and has been continued since then.

The routine absolute observations of the magnetic elements are made in the east magnetic hut; as a rule two complete sets of observations are made every week, but generally determinations of declination and horizontal force are made on nearly every week-day. Declination is determined by means of the Kew pattern unifilar magnetometer (which was employed by Rucker and Thorpe in their magnetic surveys of the British Isles, 1886-1892) placed on Pier No.5. Determinations of horizontal force have in general been made daily with a Schuster-Smith Coil magnetometer placed on a pillar erected specially for it and approximately once weekly throughout the year with the Kew pattern unifilar magnetometer mentioned above. Determinations of inclination (dip) are made by means of the Schulze inductor on Pier No. 6.

For a detailed description of the method of observation with the Kew pattern magnetometer reference should be made elsewhere.

In determining declination four readings are taken, two with the magnet erect, two with the magnet inverted. A correction is applied to the mean of the observations for the observed torsion in the silk suspending fibre. The fixed mark is about one half-mile (0.8 km.) distant from Pier No. 5, and its bearing is taken as 8° 12′ 30″ west of south

Determination of horizontal intensity with the Kew unifilar magnetometer comprises observations of (a) the time of vibration of the collimator magnet, and (b) the deflection of a mirror magnet by the collimator magnet. Formerly deflection observations were made for three distances of the collimator

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

magnet, the order of the positions of the latter being: on east arm at 35cm. 30 cm., 25 cm.; on west arm at 25 cm., 30 cm., 35 cm. Thus the mean times for the deflections at the three distances were very nearly, if not exactly, identical and the observations were concentrated at the 25 cm. distance. Commencing on April 28, 1931, deflections were observed at 25 cm. only, except on one occasion per month when deflections were observed at the three disstances 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 = $\sqrt{mH_{rr}} \times H_{rr}/m$ where mH_{rr} is obtained from the vibration experiment and H_{rr}/m from the deflections made at the 25 cm. distance, m being the moment of the colli- H_r/m is corrected for the distribution of magnetism in the mator magnet. From the latter part of 1913 until the end of 1923 the value of magnets. 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. values so derived show considerable fluctuations, and it is improbable that P and Q actually varied to the extent implied. Commencing in 1924 the value of the correction used in reducing the horizontal intensity observations has been the mean of the mean values for each of the years 1917-24, 1917-25, etc. The mean value of the logarithm for the years 1917-35 is $\cdot 00543$. A variation of $\cdot 00020$ in the value of \log_{10} (1 + P/25² + Q/25⁴) corresponds with a variation of about 4y in the derived value of H.

The values of P, Q, and $\log_{10} (1 + P/25^2 + Q/25^4)$ for individual years are as follows:-

Year		P	Q	log ₁₀ ($1 + P/25^2 + Q/25^4$
1917	• • •	+ 6.86	+ 419	• • •	•00520
1918	• • •	+ 7.60	+ 69	• • •	•00533
1919	• • •	+ 9.13	- 603	• • •	•00563
1920	• • •	+ 8.22	- 217	• • •	•00544
1921	• • •	+ 7.98	+ 25	• • •	•00554
1922	• • •	+ 6.61 <	+ 513	• • •	•00513
1923	• • •	+ 6.37	+ 614	• • •	.00508
1924	• • •	+ 7.90	- 129	• • •	•00531
1925	• • •	+ 8.21	- 262	• • •	•00538
1926	• • •	+ 9.67	- 938	• • •	•00564
1927	• • •	+10.42	-1265	• • •	•00580
1928	• • •	+ 8.71	- 547	• • •	·005 4 1
1929	• • •	+ 9.74	- 917	• • •	·005 71
1930	• • •	+ 8.68	- 537	•••	•005 4 0
1931	• • •	+ 8.77	- 685	• • •	•00530
1932	• • •	+10.45	-1315	• • •	•00576
1933	• • •	+ 8.63	- 499	• • •	•00541
1934	• • •	+ 9.52	- 775	• • •	•00572
1935	• • •	+ 6.52	+ 403	• • •	·00495

Though observations of horizontal force have continued to be made once weekly with the Kew Magnetometer, the absolute standard as from 1st January 1934 has been the Schuster-Smith Coil. This instrument was installed at the observatory in February 1931 and a first series of comparative observations extended from October 1931 until June 1933 when the potentiometer was returned to the makers in order that certain alterations might be incorporated in it.

After recalibration at the National Physical Laboratory the potentiometer was returned to the Observatory and the Coil was brought into daily use.

A complete description of the Schuster-Smith Coil and of the method of observing with it is given in the Philosophical Transactions of the Royal Society, A.Vol.223 (1922), pp. 175-200. Essentially the instrument consists of a Helmholz-Gaugain system of two coils of wire accurately wound on a hollow marble cylinder. A small magnet is suspended at the centre of the coil system. The current passing through the coils is very accurately adjusted by use of a Broca Galvanometer in a potentiometer circuit in which the electromotive force across a known resistance is balanced against a Weston Standard cell. The principle of the instrument is that a horizontal magnetic field, slightly greater than the earth's field and almost opposite to it in direction, is set up through the coil system. By suitable adjustment of the current through the coils this coil field can be arranged to be of such a magnitude that the resultant field, as indicated by the alignment of the magnet at the centre, is exactly at right angles to the earth's field. In this equilibrium position if a is the angle between the direction of the earth's field and that set up by the coils, if F is the constant of the coil system (i.e. the field due to unit current through the coil) and i is the current, then

$H = Fi \cos \alpha$

The replacement of the Elliott No.60 Kew Type magnetometer by the Schuster-Smith coil as standard has involved a discontinuity of -14 γ in H and correspondingly -38 γ in V as from 1st January 1934. This fall in H has been established by a long series of intercomparisons between the old and new standards. Of the total amount of 14 γ it has been estimated that 10 γ is accounted for by departure of the moment of inertia of the magnet system of the Elliott magnetometer from the value as originally determined and as used up to and including the year 1933 in the reduction of the results of absolute observations. When the most recent determinations of the moment of inertia are incorporated the values of H determined by the Elliott magnetometer are lowered by 10 γ . If this change came in gradually throughout a period of about twenty-five years it will have affected the calculated secular changes to the extent of less than $\frac{1}{2}\gamma$ per annum.

The remaining 4 γ of fall between the Elliott determinations, corrected as described above, and the determinations made by the Schuster-Smith Coil is to be regarded as the net change arising from instrumental differences.

On the basis of a short series of observations made at Eskdalemuir in January 1933 by an officer from the Royal Observatory, Greenwich, using Kew Magnetometer Casella No. 181 as a travelling standard, it was deduced that the Eskdalemuir Schuster-Smith Coil reads about 5γ lower than the Abinger Coil; this means that the Elliott No. 60 determinations, corrected for the revised moment of inertia of magnet, apparently read only ly different from the Abinger Coil. These results are, however, subject to some uncertainty and it was decided that the Eskdalemuir Coil, without any correction, should be used from 1st January 1934 as the absolute standard for Eskdalemuir. Thus, as already indicated, changes of -14γ in H and -38γ in V must be kept in mind in comparing the published results for 1933 and earlier years with the results for 1934 and later years.

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

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

In the case of horizontal force and declination, the equivalent value of the mean curve ordinate, corresponding to the period of observation, is subtracted from the observed value of the element to give the deduced base line value of the record. Similarly, by the combined use of the curve ordinates at the times of the inclination and horizontal force observations the value of H corresponding to the inclination observations is obtained and thence the base value for V. The base line values finally adopted are obtained from a curve drawn smoothly through points given by the deduced values, due allowance being made for discontinuities in the records.

Some of the absolute determinations of D, I and H are summarized in the subjoined table. Considerations of space make it necessary to limit the observations printed to about two per week, but, as indicated above, absolute observations of some of the elements are made more frequently. For each set of absolute observations are shown the deduced base line values, of H, D, and V and, in brackets, the adopted base line values. Thus, an entry 16210 (11) signifies: - deduced base line value 16210, adopted base line value16211. 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.

For description of, and discussion of method of observation with earth inductors see papers by:-

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

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

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

ESKDALEMUIR OBSERVATORY

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

Eskd	alen	wir				Tland o	ontal	· · · · · · · · · · · · · · · · · · ·	Base line values	1935
		Decl	instion	Incli	nation	For			educed and adopte	ed)
Date		Mean Time	D	Mean Time	I	Mean Time	Н	Н	D	V
Jan.	1 6 10 14 18 21 25 29	h m 12 9 13 42 9 19 9 59 9 7 9 11 9 13 11 43	0 / " 13 56 40 13 54 50 13 54 10 13 54 3 13 53 5 13 55 13 13 54 15 13 54 53	h m 12 51 19 37 9 37 9 22 9 25 9 34 9 30 11 23	69 47.2 69 46.6 69 46.0 69 46.5 69 47.1 69 46.1 69 48.0	h m 14 43 19 47 10 3 9 51 9 53 9 58 9 58 10 19	Y 16522 16531 16539 16533 16519 16537 16525 16517	16,0007+ 221 (21) 220 (20) 217 (17) 218 (17) 217 (18) 217 (18) 217 (18) 217 (18) 212 (15)	o , , , , , , , , , , , , , , , , , , ,	44,000 y+ 696 (701) 702 (06) 716 (12) 713 (17) 726 (22) 729 (25) 743 (29) 741 (32)
Feb.	5 12 15 18 22 25	9 17 9 9 9 11 9 15 9 7 9 15	13 53 10 13 52 50 13 49 45 13 52 17 13 51 12 13 55 33	9 36 9 29 9 29 9 31 9 24 9 32	69 47·3 69 46·7 69 47·8 69 47·5 69 47·1 69 47·2	10 7 9 57 9 59 9 56 9 49 9 55	16521 16521 16519 16516 16512 16510	213 (13) 210 (12) 213 (11) 209 (11) 210 (11) 207 (11)	13 24.6 (24.2) 24.3 (24.2) 24.0 (24.2) 24.3 (24.3) 24.1 (24.3) 24.4 (24.3)	743 (37) 738 (40) 742 (42) 736 (43) 740 (44) 771 (45)
Mar.	1 5 8 12 15 19 23 26 29	9 9 15 9 13 9 27 9 15 14 30 14 29 15 31 7 47	13 50 55 13 50 17 13 49 15 13 50 35 13 54 0 13 56 18 13 57 27 13 58 37 13 47 17	9 26 9 33 11 45 9 43 9 34 15 9 10 45 16 13 8 23	69 48.5 69 47.5 69 47.4 69 46.5 69 49.5 69 47.5 69 47.5 69 47.5	9 55 9 53 9 39 10 9 9 59 15 41 14 49 15 57 8 9	16509 16512 16522 16528 16508 16524 16533 16524 16527	210 (10) 210 (10) 210 (10) 210 (10) 206 (10) 207 (09) 209 (08) 208 (08) 207 (08)	13 24·6 (24·3) 24·4 (24·4) 24·4 (24·4) 24·5 (24·4) 24·3 (24·4) 23·9 (24·4) 23·7 (24·4) 23·9 (24·4) 23·7 (24·4)	753 (46) 749 (46) 750 (47) 753 (47) 755 (48) 760 (48) 751 (48) 748 (48) 752 (48)
Apr.	3 5 9 12 19 24 26 30	9 11 9 15 9 15 8 3 8 13 8 7 8 9	13 46 43 13 47 3 13 55 40 13 49 28 13 47 15 13 46 30 13 46 30 13 47 25	9 31 9 30 9 33 9 34 8 25 8 35 8 29	69 47.8 69 48.5 69 48.3 69 50.9 69 47.7 69 46.7 69 46.4	9 59 9 49 10 1 10 3 9 1 9 3 9 5 8 55	16508 16493 16491 16475 16509 16507 16513 16517	207 (07) 207 (07) 207 (07) 208 (07) 205 (07) 207 (07) 206 (07)	13 24.6 (24.4) 24.8 (24.4) 24.6 (24.4) 24.4 (24.4) 24.5 (24.5) 24.5 (24.5) 24.5 (24.5) 25.1 (24.6)	737 (48) 738 (46) 763 (49) 761 (49) 744 (48) 726 (48) 745 (48) 745 (47)
May	3 10 17 21 24 28 31	8 11 8 41 8 11 8 17 8 13 8 27 8 7	13 46 45 13 46 0 13 44 5 13 42 50 13 46 22 13 45 0 13 45 56	8 33 9 1 8 33 8 37 8 37 8 49 8 31	69 46.8 69 45.8 69 47.1 69 48.4 69 47.3 69 47.0 69 47.0	8 59 9 19 8 55 9 3 9 3 9 19 9 1	16520 16537 16515 16503 16519 16534 16516	209 (09) 211 (11) 211 (11) 213 (11) 212 (11) 214 (12) 214 (13)	13 24.7 (24.6) 24.6 (24.7) 24.6 (24.6) 24.6 (24.6) 24.7 (24.6) 24.5 (24.6) 24.7 (24.6)	743 (46) 749 (46) 730 (44) 742 (44) 756 (43) 769 (41) 742 (39)
June	5 7 11 14 19 21 25 28	8 17 8 15 8 19 8 17 8 17 8 19 8 11 8 7	13 42 8 13 45 48 13 46 35 13 46 42 13 41 25 13 43 43 13 43 10 13 44 45	8 41 8 36 8 31 8 39 8 41 8 40 8 33 8 29	69 47·1 69 46·8 69 49·1 69 47·6 69 48·5 69 46·5 69 47·3	9 9 8 9 3 9 7 9 7 9 3 9 5	16516 16530 16492 16508 16487 16505 16513 16518	215 (14) 216 (14) 214 (15) 214 (15) 218 (18) 219 (19) 221 (21) 223 (22)	13 24·8 (24·7) 24·7 (24·7) 24·7 (24·7) 24·8 (24·7) 24·5 (24·7) 24·7 (24·7) 24·7 (24·7) 24·7 (24·7)	729 (36) 754 (35) 735 (32) 710 (30) 700 (26) 725 (25) 693 (721) 728 (20)
July	2 6 9	13 27 8 13 8 17	13 56 40 13 40 55 13 42 45	13 47 8 31 8 37	69 46·6 69 47·3 69 47·8	14 17 8 59 9 13	16526 16516 16513	224 (23) 225 (26) 229 (27)	13 24.7 (24.7) 24.7 (24.7) 24.7 (24.6)	743 (18) 720 (15) 718 (12)

ABSOLUTE DETERMINATIONS_Continued

Eskda	Lemu	<u>ir</u>		1		Horiz	ontal	1	Base line values	1935
		Decli	nation	Incli	nation	For			deduced and adop	ted)
Date		Mean Time	D	Mean Time	I i	Mean Time	Н	Н	D	V
July	12 17 19 24 26 30	h m 8 13 8 17 8 11 8 19 8 19 8 9	0 / " 13 42 33 13 42 35 13 43 13 13 45 20 13 44 45 13 45 7	h m 8 37 8 39 8 32 8 37 8 42 8 31	69 47·4 69 47·5 69 46·5 69 47·0 69 47·4 69 47·5	h m 9 4 9 1 8 59 9 1 9 11 8 59	Y 16507 16507 16538 16509 16516 16513	16,000y+ 229 (28) 229 (30) 231 (31) 231 (32) 233 (33) 235 (34)	13 24.5 (24.6) 24.6 (24.6) 24.8 (24.6) 24.8 (24.6) 24.8 (24.6) 24.8 (24.6) 24.5 (24.7)	44,000 \(\chi + \) 696 (711) 700 (07) 718 (06) 690 (702) 704 (00) 703 (698)
Aug.	2 7 9 13 14 15 20 22	8 13 8 9 8 27 7 59 7 37 8 17 8 23	13 42 50	8 19 8 45 8 53 10 5 14 25 10 59 9 37 9 35	69 48·1 69 48·1 69 48·7 69 46·6 69 48·5 69 49·2 69 49·7	8 50 9 13 9 22 9 7 10 3 9 5 9 14 8 57	16494 16494 16511 16495 16517 16506 16504 16499	234 (34) 234 (34) 233 (35) 235 (35) 235 (36) 235 (36) 235 (36) 236 (37)	13 - (-) 24.7 (24.6) 24.7 (24.6) 24.7 (24.6) 24.7 (24.6) 24.4 (24.6) 24.6 (24.4) 24.0 (24.4)	686 (96) 694 (93) 718 (691) 699 (89) 707 (689) 719 (688) 711 (686) 685 (85)
Sept	3 6 13 17 20 23 28	8 19 8 37 8 11 8 29 8 25 8 21 8 13	13 43 25 13 42 40 13 50 15 13 42 38	13 17 8 59 8 39 8 49 8 48 13 17 9 3	69 45-8 69 47-2 69 48-6 69 48-8 69 48-4 69 48-3 69 49-1	9 1 9 25 9 11 9 15 9 24 8 58 9 29	16508 16496 16498 16489 16503 16507 16494	238 (39) 238 (39) 239 (39) 237 (40) 241 (40) 238 (40) 237 (40)	13 24-4 (24-4) 24-6 (24-4) 24-5 (24-4) 24-4 (24-5) 24-6 (24-5) 24-6 (24-4) 24-4 (24-4)	688 (80) 653 (79) 672 (78) 699 (78) 688 (78) 719 (679) 691 (80)
Oct.	1 4 9 11 15 18 24 29	8 17 12 6 9 21 9 17 9 23 9 11 9 3 9 5	13 51 2 13 47 46 13 41 53 13 41 35 13 42 3 13 44 43 13 49 23 13 42 50	8 40 8 41 9 41 9 40 9 49 9 33 9 27 9 29	69 48·1 69 47·2 69 48·5 69 47·7 69 50·0 69 48·2 69 50·7 69 50·1	9 19 9 19 10 9 10 15 10 13 9 59 10 1 10 3	16498 16516 16495 16503 16494 16509 16472 16482	238 (40) 241 (40) 239 (39) 236 (39) 238 (38) 235 (38) 237 (36) 235 (34)	13 24·3 (24·5) 24·4 (24·5) 24·7 (24·7) 24·6 (24·6) 24·6 (24·5) 24·5 (24·5) 24·7 (24·5) 24·5 (24·5)	666 (81) 680 (82) 681 (84) 694 (86) 711 (688) 709 (690) 718 (693) 687 (96)
Nov.	4 5 6 7 8 12 13 15 19 22 26 29	9 15 9 23 9 17 9 15 9 27 9 14 9 5 9 11 9 11 9 15 9 13	13 41 43 13 41 53 13 42 50 13 41 53 13 41 17 13 43 3 13 43 17 13 41 38 13 43 3 13 43 12 13 43 25 13 44 22	9 39 9 37	69 48.2 69 49.3 69 48.9 69 49.7 69 47.7 69 49.6 69 49.1 69 48.4 69 48.1 69 47.8 69 46.7	10 9 10 31 10 17 10 7 10 29 10 9 10 27 9 59 10 16 10 11 10 5 10 21	16502 16494 16477 16502 16490 16502 16500 16502 16509 16512 15528	233 (35) 230 (32) 227 (32) 231 (32) 231 (32) 226 (30) 232 (30) 232 (29) 228 (28) 227 (27) 226 (26) 228 (26)	23.8 (24.4) 23.9 (24.4) 24.2 (24.3) 24.3 (24.3) 24.4 (24.3) 24.3 (24.3) 24.3 (24.3) 24.4 (24.3)	704 (02) 714 (02) 717 (03)
Dec.	4 6 11 13 17 20 24 27	9 17 9 27 9 23 9 33 9 13 9 13 9 17 9 11	13 44 30 13 43 13 13 42 17 13 46 10 13 44 55 13 42 35 13 42 38 13 45 10	9 39 9 48 9 43 9 52 9 33 9 33 9 39	69 48.5 69 48.7 69 48.7 69 49.5 69 48.1 69 47.3 69 48.1	10 3 10 15 10 7 10 18 10 5 10 7 10 27 9 55	16508 16511 16507 16508 16500 16516 16527 16508	222 (23) 222 (22) 220 (21) 221 (20) 219 (18) 217 (17) 214 (15) 216 (15)	24.5 (24.3) 24.2 (24.3) 24.2 (24.2) 24.3 (24.2) 24.2 (24.2) 24.3 (24.2) 24.4 (24.3) 24.3 (24.3)	741 (32) 743 (34) 739 (37) 732 (38) 750 (38)

The hourly readings are obtained from the magnetograms, standardized as described in the foregoing, by means of a ruled glass scale. The reading for any given hour G.M.T. is that ordinate estimated to be the mean reading for 60 minutes between exact hours. The product of this ordinate and the scale value is added to the adopted base line value, and the sum so obtained is the hourly value printed in the tables.

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1935

Unifilar Magnetometer, Kew pattern .. Elliott, No. 60. (with collimator magnets 60a and "no number", and mirror magnet, 60c).

Schuster-Smith Coil Magnetometer, Cambridge Inst.Co. No.37629. (with Standard Cell No. L34635 and Potentiometer No. L35968)

Dip Inductor Schulze, No. 103.

Notes on Tables

The hourly values of H, D and V, obtained as described above, appear in three of the four monthly tables. The mean value for the day is computed as the mean of the twenty-four hourly values.

The letters "Q" and "D" denote the five quiet and the five most disturbed days as selected at De Bilt.

In the fourth table for each month are given:-

- (a) the values and times of the daily maximum and minimum and the values of the absolute daily range for each of the elements H, D and V.
- (b) the value of HR_H + VR_V for each day, where R_H, R_V denote the absolute ranges for a calendar day of the horizontal and vertical components. (This measure of magnetic activity was adopted in 1932 by the International Commission for Terrestrial Magnetism and Atmospheric Electricity. In volumes of The Observatories' Year Book prior to that of 1932 the values of the quantity R_N²+R_W²+ R_V² 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 timerate is linear. The inequalities of N,W, and I have been computed from those of H, D, and V, by means of the formulae:

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

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

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

in which D and I are expressed in minutes of arc, and where H, D, and I for any given month are the respective mean values for that month as published in Table 338. The values of the range of the mean diurnal inequalities of the several elements on the three different types of day are brought together in Table 335, and the values of the non-cyclic change of H, D, and V are given in Table 336.

The results of harmonic analysis of the mean diurnal inequalities of N, W, and V for the months, seasons 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 a_n , in the two equivalent series $\sum (a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$ and $\sum c_n \sin (15nt^\circ + a_n)$. In the former series t is reckoned in hours from midnight G.M.T., whilst the published values of a_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 , a_3 , a_4 and 1.04720 for a_4 , a_4 . The values were obtained to two decimal places and finally were rounded off to 0.1 γ .

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

In years prior to 1934 Table 338 supplied for the separate months and year the mean values of N, W, V, T, D, I and H derived from all days. Similar data are still given but the table has been rearranged and extended to provide in addition the mean values of the primary elements H, D, and V on the internationally selected groups of quiet and disturbed days.

Tables 341 and 342 contain mean values of the magnetic elements for 1935 and recent years at a number of observatories.

Review of Results of Magnetic Observations

Mean and Extreme Values of the Magnetic Elements, 1935. The mean valuest 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

The seasons are defined for this purpose as follows:- "Winter", January, February, November, December; "Equinox", March, April, September, October; "Summer", May, June, July, August. †See remarks on p. 178.

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

_		_	_	-	
-yr	Λ		τ.	r	
•		п		r.	 ٠.

Year	Н	(1	D West)		Ī	N	W	٧	T
	Υ	٥	,	0	,	Υ	Υ	Υ	Υ
1934 1935	16536 16525	14 13	0•6 48• 8	69 69	45·9 47·0	16044 16047	4003 3945	44859 44875	47810 47822

Westerly declination was on the average 11/8 less in 1935 than in 1934. The rate of decrease is practically the average rate of recent years. Between 1913 and 1920 the average rate of decrease was 9.35 The fall of 117 in H between 1934 and 1935 is to be compared with 87 between 1933 and 1934 (between which years the discontinuity of 147 was introduced; see 0.4.8. for 1932) and with 107 for the average annual rate of decrease over the 10 years 1923-32. The slight increase of 67 in N and the decrease of 587 in W are similar to the changes in these derived components in former years. Inclination increased by 1/1 between 1934 and 1935 compared with 0.7 for 1933 and 1934. After allowing for the discontinuity of 387 on January 1 1934, the change in V between 1933 and 1934 was a rise of 77; between 1934 and 1935 the rise was 167. With corresponding allowances the increases in T from the earlier to the later of these pairs of years have been 37 and 127.

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

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

In comparing these with the values for the years before 1934 the discontinuities introduced on January 1, 1934 in H and V and the components derived from them must be kept in mind.

The differences between the mean annual values of N, W, and V, derived from all, international quiet, and international disturbed days in the years 1926-35 inclusive, are given below, together with the mean differences for the years 1915-25. In every year of the series quoted the mean value of N and of W on quiet days exceeded the mean value on all and on disturbed days. The only years in the period 1915-25, for which either the all or the disturbed day mean value of V exceeded the quiet day value were 1917, 1919, 1921.

Quiet day mear	ı-All day	mean	Quiet day m	ean-Disturb	ed day mean
N	W	V	N .	W	, v
Y 1935 +3·3 1934 +2·3 1933 +2·9 1932 +3·5 1931 +2·5 1930 +7·0 1929 +3·8 1928 +4·5 1927 +2·9 1926 +4·3 1915-1925 +2·7	Y +1.5 +1.0 +1.2 +0.2 +1.8 +1.4 +1.1 +2.0 +1.2	Y -1·1 -0·5 +0·1 +1·9 -0·5 +1·6 +0·2 -1·6 -0·3 -0·7 +0·7	Y +8·5 +7·2 +7·7 +9·4 +7·4 +16·1 +11·1 +7·7 +9·1 +16·1 +8·5	Y + 2 · 4 · 4 · 4 · 5 · 7 · 3 · 4 · 4 · 5 · 6 · 8 · 4 · 4 · 5 · 7 · 3 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6	Y -1.9 -2.5 +0.2 +1.8 -0.9 +3.7 +1.9 -3.4 -2.7 -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 3 γ ; its azimuth is 336°, measured from true north through east, and it is inclined at about 77° to the downwardly directed vertical. The vertical plane which contains this vector approximates very closely in azimuth to the vertical plane passing through Eskdalemuir and the pole (taken as 78° N 68° W) of the axis of magnetization of the earth. (cf. S. Chapman, "On certain average characteristics of world-wide magnetic disturbance".Lond. Proc. Roy. Soc. Series A. Vol. 115, p.242.)

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

		Maximum			
Component	Value	Date, 1935	Value	Date, 1935	Absolute Annual Range
Horizontal Force	16675γ	d h m Sept.11 20 58	16362γ	d h m Apr. 11 10 38	313γ
Declination	140 11:7	Mar. 14 13 38 June 18 19 42	13° 14 ' 4	Oct. 21 18 12	57:3
Vertical Force	45019γ	Oct. 24 15 4	4473 1γ	Sept.12 3 6	288y

TABLE II

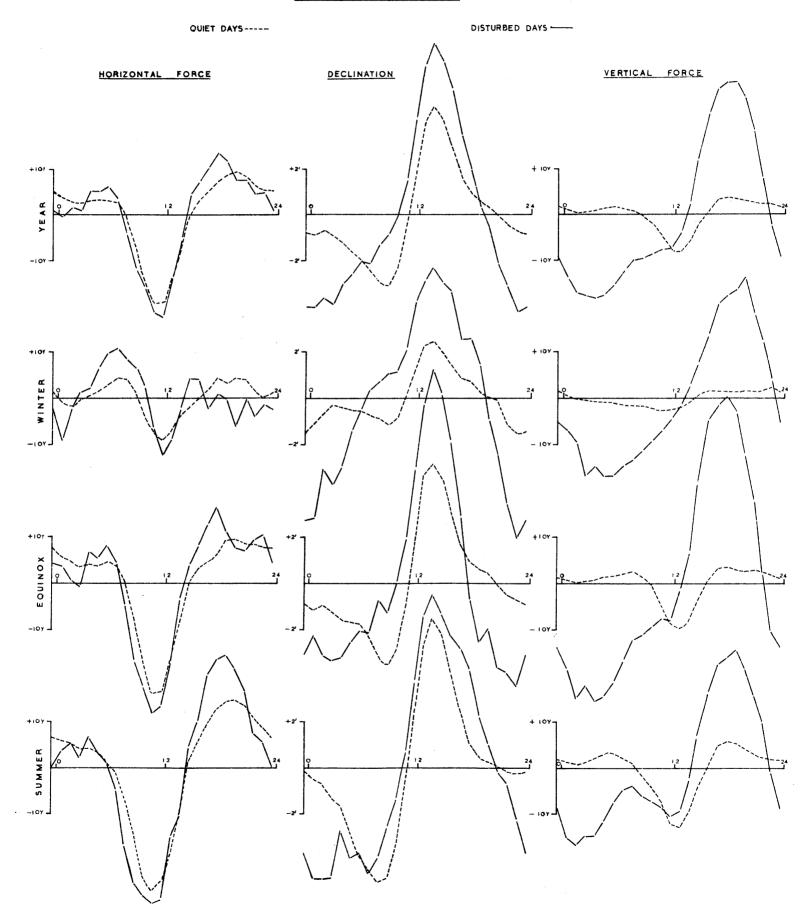
The range of 57.3 in declination is equivalent to a range of 275γ in the component of force perpendicular to the magnetic meridian.

Magnetic Character of the Year .- The Eskdalemuir practice of tabulating for each day the value of Σ R² has been discontinued in favour of the expression HR_H + VR_V presently being tried on an international basis as animerical measure for characterising days. The magnetic character figures on the scale 0, 1, 2 which were assigned in accordance with the international scheme are summarized in Table III. This table contains also the monthly mean values of the international character figures, which for 1935 are based on the estimates made at about 50 observatories, and the mean monthly values of HR_H + VR_V for all, international quiet (Q), and international disturbed (D) days.

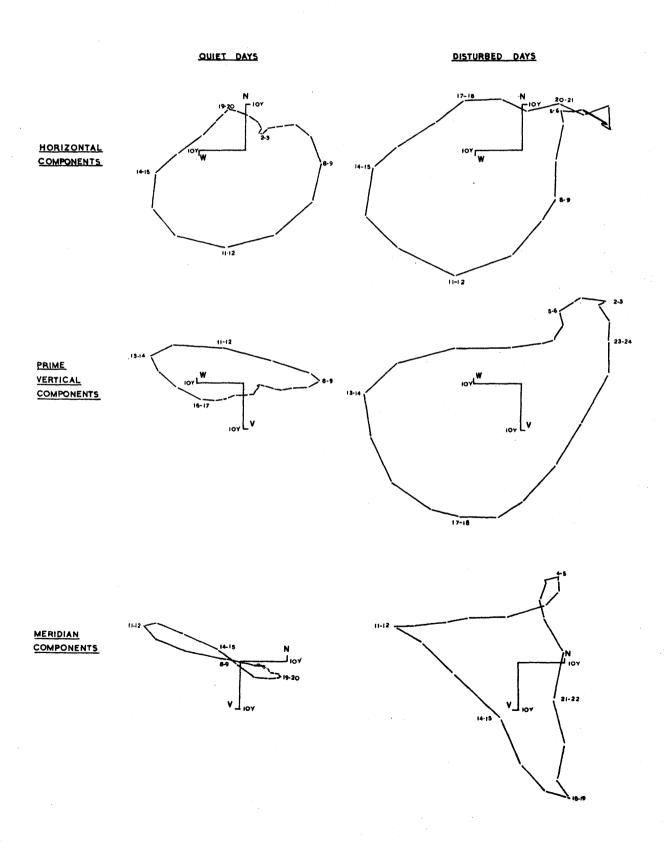
The Eskdalemuir mean value of HR_H + VR_V for the year, like the mean character figure, is greater than for 1934. The mean sunspot numbers for the years 1923-35, are, in order, 5.8, 16.7, 44.3, 63.9, 69.0, 77.8, 65.0, 35.7, 21.2, 11.1, 5.7, 8.7 and 36.1.

The mean values of HR_{H} + VR_{V} for all days suggest that September was the most disturbed month.

DIURNAL VARIATION OF THE MAGNETIC ELEMENTS ESKDALEMUIR 1935



VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE ESKDALEMUIR 1935



In Table III the annual mean values are the means of the monthly values entered in the corresponding columns.

TABLE III

Month	Cha F:	agnetic aracter igures mber of	•	Chara	an cter gure	HI	Mean Value of HR _H + VR _V * 10,000y2			
	"O"	"l" days	n2n days	Eskdale- muir	Inter- national	All days	Q days	D days		
1935										
January	11	20	0	•65	•69	213	90	438		
February	9	16	3	-79	.72	278	93	693		
March	9	21	1	•74	•73	312	169	622		
April	12	15	3	-7 0	•55	312	152	805		
May	13	16	2	•65	•51	285	188	610		
June	10	17	3	-77	•68	386	207	907		
July	14	16	1	• 58	•56	285	204	510		
August	13	18	0	• 58	•51	244	164	332		
September	8	16	6	-93	•36	425	183	887		
October	7	20	4	•90	•86	367	171	695		
November	16	14	0	-47	•65	242	103	53 8		
December	8	23	0	-74	•73	229	77	449		
Year, 1935	130	212	23	-71	-67	298	15 0	624		
Year, 1934	167	178	20	•60	• 56	261	138	542		
Year, 1933	156	175	34	•67	•64	300	135	658		
Year, 1932	126	208	32	•74	•71	327	139	701		
Year, 1931	137	208	20	•68	•66	345	185	679		
Year, 1930	94	230	41	-35	•83	556	195	1246		
Year, 1929	118	213	34	•75	•67	-	-	-		
Year, 1928	96	246	24	•80	•63	-	-	•		
Year, 1927	95	231	39	-85	•63	-	-	-		
Year, 1926	90	227	48	-89	•65	- .	-	-		
Year, 1925	145	191	29	-69	• 56	-	-	-		
Year, 1924	191	153	22	-54	•55	-	-	-		
Year, 1923	235	111	19	•41	•48	-	-	-		
Year, 1922	174	145	46	•65	•65	-	-	•		

<u>Diurnal Inequalities</u>.- The mean diurnal inequalities for all days, and international quiet and disturbed days, for the months, seasons and the year, are given in Tables 317-334, and the corresponding inequality ranges in Table 335.

The inequalities of H, D and V for international quiet and disturbed days are shown graphically in Plate III, while in Plate IV are given vector diagrams illustrating the diurnal variation of magnetic force in the horizontal, the prime vertical and the meridian planes.

In 1935 the ranges of the annual mean inequalities of all components were greater than in 1934 for all three classes of days; the percentage increase is greatest for V on disturbed days and particularly so in the equinoctial months.

 $[*]NR_N + WR_W + VR_V$ in 1930 and 1931

^{10,000/2}

The average values of the diurnal inequality ranges for the year and seasons for the period 1916-26 (not the values of the range of the representative mean diurnal inequalities for this period) are given below, along with the 1935 values expressed as a percentage of the average values. The units employed are 1γ for force and 1' for declination. The mean sun spot number for 1916-26 is $46\cdot7$; that for 1935 is $36\cdot1$.

The 1	935	ranges are	nearly	all	below	the	average.
-------	-----	------------	--------	-----	-------	-----	----------

	All days						International quiet days				International disturbed days					
		Ņ	W	V	H	D	N	₩	V	H	D	N	W	V	H	D
Year,	1916-26 1935%	36 · 6 89						37• 0 9 8		32·4 88						11·14 105
Winter,	1916-26 1935%	22·1 97	27·7 111	15•9 92				19•4 9 0								10·50 1:12
Equinox,	1916-26 1935%	41·5 90		27·2 85									~			13·76 100
Summer,	1916-26 1935%	54·0 83	55-6 96	26·5 90				53·4 100								12·80 96

Daily Range. The values of mean absolute daily range for the months and seasons of the year, together with the corresponding means for 1916-26 are given in Table IV; the ranges are also expressed as percentages of the mean absolute daily range for the year. The declination ranges, measured in minutes of arc have been multiplied by 4.81 to convert them to units of force of the component perpendicular to the magnetic meridian.

TABLE IV - ABSOLUTE DAILY RANGE. MEAN MONTHLY VALUES

			Mean		lute D nge	aily				ly Rar tage (sed as mean
			193	5	Me	an 19	16-26		1935		Mean	1916	5-26
		Н	D	V	N	W	V	H	D	V	N	W	V
_		Υ	γ	γ	Υ	γ	Υ	%	%	%	%	%	8
January	• •	58	69	26	69	73	39	81	89	65	80	88	81
February	• •	59	74	40	69	76	38	82	95	100	80	92	80
March	• •	67	89	45	95	94	57	93	114	113	110	113	119
April	• •	78	72	41	98	88	54	108	92	103	114	106	113
May	••	71	73	37	102	88	59	99	94	93	119	106	123
June	••	96	85	51	92	85	46	133	109	127	107	102	96
July	••	76	73	36	86	82	43	106	94	90	100	99	90
August	••	67	67 94	31	98	88 92	55	93	86	77	114	106	115 131
September October	••	94 82	91	60 51	100 94	93	63 57	131	121 117	150 127	116 109	111	119
November	••	59	72	32	62	66	34	114 82	92	80	72	80	71
December		59 59	75	30	60	64	3 4 33	82	96	75	70	77	69
	•••		1 !	i		1		1					
Winter	••	59	73	32	65	70	36	82	94	80	76	84	75
Equinox	••	80	87	49	97	92	58	111	112	123	113	111	121
Summer	••	77	75	39	95	86	51	107	96	97	110	104	106
Year	••	72	78	4 0	86	83	48	-	-	-	-	-	

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

The frequency distribution of absolute daily ranges recorded in 1935 is shown in Table V, which also contains the percentage distribution for the periods 1916-1926.

TABLE V - FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE

			•		Per	centage	Distrib	ution	
Range		umber ses l		Н	N	D	W	V	
Υ.	Н	D	V	1935	1916-26	1935	1916-26	1935	1916-26
0-9	0	0	13	0•0	0•0	0•0	0•0	3•6	6-3
10-19	2	2	74	0.5	1.7	0.5	0.9	20.3	20.2
20-29	14	6	102	3.8	4.9	1.6	4.5	27.9	24.8
30-39	28	20	66	7.7	7.8	5.5	7.5	18-1	14.3
40-49	46	28	27	12-6	9•9	7.7	10-6	7-4	8•1
50-59	65	64	23	17-8	12•2	17-5	12.0	6•3	4-8
60-69	55	66	10	15.1	12-9	18-1	13.1	2.7	4-2
70-79	37	48	9	10.1	10.3	13.2	12-4	2.5	3-1
80-89	36	37	5	9•9	8.1	10.1	8•6	1.4	2.3
90 -99	26	26	7	7-1	6•5	7-1	7•5	1.9	2.1
100-109	16	15	7	4-4	5•3	4.1	4.7	1-9	1-1
110-119	9	13	7	2.5	4-0	3.6	3•5	1.9	1.2
120-129	4	9	4	1.1	3•5	2.5	2.7	1.1	0.8
130-139	7	9	1	1.9	2.6	2.5	2.2	0.3	0-8
140-149	6	5	. 7	1-6	1.7	1.4	2.2	1.9	0•3
150-159	0	1	1	0•0	1.3	0-3	1.2	0-3	0-7
160-169	5	3	0	1.4	1.2	0-8	0•9	0.0	0.5
170-179	1	3	0	0.3	0-8	0.8	1.0	0•0	0-4
180-189	1	4	1	0•3	0-6	1.1	0-7	0•3	0.5
190-199	2	1	1	0-5	0.5	0•3	0-6	0-3	0-3
200+	5	5	0	1-4	4.4	1-4	3-1	0•0	3-1
Days Omitted	o	o	0	0•0	•••	0•0	•••	0•0	•••

TABLE VI. PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR 1935

Where the beginning of a disturbance has been marked by a "sudden commencement," the serial number is followed by an asterisk (*), and the time entered in the second column is that of the sudden commencement, estimated to the nearest minute. In other cases, the exact hour nearest the time at which disturbance may be regarded as having begun is entered in the second column. To the tabulated values of maximum and minimum the following have to be added:- H, 16000y; D, 13°; V, 44000y.

			Hori	zontal Force	Declination	Vertical Force
No.	From	То	Max. Time	Min. Time Rang	ge Max. Time Min. Time R	nge Max. Time Min. Time Range
1 2* 3 4 5	d. h. m. Jan. 16 20 Jan. 27 14 50 Feb. 1 8 Feb. 13 0 Mar. 12 23	d. h. Jan. 19 2 Jan. 29 2 Feb. 2 20 Feb. 15 22 Mar. 18 4	γ d. h. m. 565 18 23 54 580 27 14 56 570 2 4 15 637 13 23 8 611 14 16 30	γ d. h. m. γ 473 17 12 8 9: 424 28 0 53 15: 452 1 22 33 11: 453 13 21 36 16: 448 14 9 22 16:	2 63-1 17 1 38 35-1 17 22 22 23 6 62-1 27 18 22 25-2 27 22 16 36 8 66-7 1 16 30 33-1 2 0 34 33 4 67-2 13 20 8 28-4 13 23 2 36 36 36 36 36 36	7
6 7 8 9 10	Mar. 20 12 Apr. 8 22 May 1 13 May 10 11 May 18 12	Mar. 22 4 Apr. 13 24 May 2 5 May 12 8 May 22 4	577 21 18 7 623 12 16 53 615 1 15 49 616 10 17 24 573 18 20 46	485 22 1 31 93 362 11 10 38 263 446 1 14 54 163 480 11 11 24 136 448 20 7 17 123	1 69.6 10 14 59 34.5 10 20 31 33	7.7 939 21 17 38 839 22 2 4 100 6-1 963 10 18 34 788 11 1 55 175 6-0 902 1 17 37 774 2 0 12 128 6-0 907 10 20 45 837 12 2 23 70 6-9 900 20 15 21 781 20 4 4 119
11 12 13* 14 15	June 7 12 June 17 16 July 24 20 35 Sept. 9 19 Sept.15 8	June 11 24 June 20 24 July 26 4 Sept. 12 8 Sept. 19 8	671 11 16 56 671 18 19 22 629 24 20 39 675 11 20 58 578 18 22 10	414 8 2 32 25' 451 18 19 39 220 438 25 5 35 19 422 12 0 30 25 446 18 10 5 13	0 71.7 18 19 42 35.6 18 4 30 36 1 58.2 25 7 50 33.7 24 22 34 24 3 66.3 11 13 37 23.1 11 20 52 43	.3 934 7 19 26 739 8 2 38 195 .1 977 18 17 0 837 18 4 4 140 .5 913 25 18 58 773 25 1 25 140 .2 956 11 18 8 731 12 3 6 225 .9 922 18 14 30 811 17 1 30 111
16 17 18 19 20*	Sept.23 6 Sept.30 8 Oct. 10 13 Oct. 20 9 Oct. 24 6 39	Sept. 26 16 Oct. 2 24 Oct. 12 4 Oct. 21 24 Oct. 26 1	641 23 15 29 578 2 22 32 577 11 18 30 574 21 22 42 590 24 14 48	368 25 9 4 273 450 30 15 48 126 476 11 15 15 101 431 21 23 18 143 405 24 11 43 188	3 66.4 23 13 20 27.9 24 0 40 38 8 59.4 30 14 29 31.6 30 22 16 27 1 55.5 11 16 19 28.4 11 18 24 27 3 65.4 20 14 32 14.4 21 18 12 51	.5 964 23 18 47 807 25 4 22 157 .8 934 30 18 48 814 30 23 26 120 .1 924 11 17 30 849 12 1 30 75 .0 968 20 15 14 828 21 22 59 140 .1 1019 24 15 4 849 25 22 58 170
21* 22 23 24 25*	Oct. 27 3 46 Nov. 5 2 Nov. 11 19 Dec. 14 14 Dec. 24 19 34	Oct. 31 24 Nov. 6 14 Nov. 14 24 Dec. 16 24 Dec. 29 2	565 31 19 20 581 5 22 51 584 13 21 58 589 16 21 43 557 28 1 31	453 31 12 18 113 444 5 18 21 133 447 12 12 17 133 445 16 14 58 144 451 28 11 53 106	7 54.8 6 3 20 24.5 5 18 36 30 36 56.5 12 14 57 18.4 12 23 50 36 4 54.1 15 7 0 20.2 14 22 40 33	-9 983 27 19 35 862 30 6 48 121 -3 923 5 17 55 840 6 3 55 83 -1 965 12 16 48 853 12 5 19 112 -9 966 14 18 37 870 15 2 0 96 -2 950 27 21 36 867 26 7 22 83

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

On 22 days in 1935 the absolute range in either H or D was 160 γ or more. The numbers of such days for N and W in the years 1915 to 1931 and for H and D from 1932 to 1935 are shown in the accompanying table.

Year 1900+	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	3 0	31	32	33	34	35
No. of days	30	47	35	56	58	36	27	32	11	10	24	46	41	48	5 0	88	17	31	17	13	22

The number of days in each year from 1926 on which the range in each of H, D and V was 2007 or more has been as follows:-

Year 1900+	26	27	28	29	3 0	31	32	33	34	35
No. of days.	18	7	5	9	16	1	2	1	2	0

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 1935, and the actual frequencies of occurrence of hourly ranges in the last three of the four divisions mentioned are set out below. A range of 30' is equivalent to a change of 144γ in the component of horizontal force perpendicular to the magnetic meridian.

Number of cases per month

												-	
Range Interval	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
5' to 15'	69	78	78	60	35	62	34	32	104	112	68	112	844
15' to 30'	9	2	7	6	3	3	1	0	14	7	5	2	59
> 30'	0	1	1	0	0	0	0	0	0	0	0	0	2

Hourly Distribution. 1935 Hour ending at (G.M.T.)

Range interval	1	2	3	4	5	6																22		
5' to 15'	56	53	47	30	32	18	17	22	21	20	10	23	24	17	25	35	36	40	47	50	63	55	54	49
15' to 30'	3	4	1	4	0		0	0	0	0	0	0	0	0	1	3	4	5	10	4	4	3	8	4
> 30'	0	0	0	0	0	0	0	0	0	0	0	0	.0	0	0	0	0	1	0	0	1	0	0	0

On the average quiet day the most conspicuous change in declination is that from the most easterly value at about 8h or 9h to the most westerly value at about 13h or 14h, the rate of change being greatest between 10h and 12h. The hourly range due to the regular diurnal variation at this time of day is less than 5', but doubtless it happens at times that the occurrence of slight disturbance results in the hourly range exceeding 5', whereas the occurrence of the same degree of irregularity at another hour of the day would not cause the hourly range to exceed 5'. Thus the figures given above for the range interval 5'-15' tend to exaggerate somewhat the incidence of irregular changes between 9h and 13h. The hourly distributions of the frequency of occurrence of ranges between 5' and 15' and between 15' and 30' exhibit the well known tendency for irregular changes to occur predominantly during the "night" hours-at least in Europe.

Principal Magnetic Disturbances during 1935.— Particulars of the principal magnetic disturbances recorded during the year are given in Table VI. Corresponding information for the same disturbances is given in the Lerwick Section. The magnetograms for the most highly disturbed days are not reproduced in this volume, but photographic copies may be obtained on application to the Director, Meteorological Office, Air Ministry, Kingsway, London, W.C.2.

Remarks on Magnetic and Allied Phenomena, 1935

JANUARY .- (Average Character Figure 0.65)

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

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

FEBRUARY. - (Average Character Figure 0.79)

Slight disturbance occurred early on 1st followed by fairly large fluctuations (187 v in V, 118 v in H and 33.6 in D) during the night 1st-2nd. From 4th to 12th the disturbance was of a minor character, though a large sunspot in solar lat. -17° crossed the central meridian at 4.6 d*.

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

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

MARCH. - (Average Character Figure 0.74)

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

APRIL. - (Average Character Figure 0.70)

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

This was followed by another quiet

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

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

MAY .- (Average Character Figure 0.65)

Disturbance began with a movement of 'sudden commencement' type at ld 12h 47m (-6\gamma, +45\gamma\) in H), after which H fluctuated rapidly through 169\gamma\), reaching a maximum just before 16h. Activity decreased temporarily but recommenced at about 23h, when H, D and V all fell sharply (D through 34'), though not simultaneously. V did not reach its minimum until after midnight. A slow irregular rise followed and conditions became quiet at 2d 5h. The ranges during this disturbance were 169\gamma\) in H, 48.0' in D and 128\gamma\) in V.

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

JUNE, - (Average Character Figure 0.77)

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

Activity decreased after 8d 3h but continued intermittently till the evening of 1lth, especially during the daylight hours. About this time there

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

After minor disturbance on 17th all elements began to rise after noon on 18th, each having a series of peaks between 15h and 17h, then falling to minima at about 20h. H reached its minimum at 19h 39m after a fall of 220 in 17m, the complete range for the disturbance. Activity then decreased and conditions were quiet on 22nd, continuing mainly so during the rest of the month, despite the existence of a large sunspot, central meridian passage 29.9d in solar latitude -24°*.

JULY - (Average Character Figure 0 - 58)

The first 5 days were quiet and 6th was very quiet. A movement (-5γ , $+59\gamma$ in H; $-\cdot9'$, $+4\cdot5'$ in D; -7γ in V) of 'sudden commencement' type at 7d 21h 9m was followed by only slight disturbance, though H fell 114 γ to a minimum at 8d 7h 50m. A similar 'sudden commencement' movement (-25γ , $+117\gamma$ in H; $-2\cdot2'$, +7' in D and $+1\gamma$, -7γ in V) at 14d 15h 3lm also preceded only a slight increase in activity. The 16th and 17th were quiet and from 18th to 24th disturbance was of insignificant size. At 24d 20h 35m a 'sudden commencement' (-5γ , $+91\gamma$ in H; $-\cdot5'$, +3' in D; -9γ in V) initiated a disturbance which lasted until 26th with ranges of 191 γ in H, 24·5' in D and 140 γ in V. The nearest sunspot was one of central meridian passage 22·0d*

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

AUGUST. - (Average Character Figure 0.58)

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

At 27d 17h 32m an abrupt movement $(-4\gamma, +46\gamma \text{ in H; } -0\cdot2', +3' \text{ in D; slight in V})$, partially resembling a 'sudden commencement', was followed by about six hours' disturbance which included some rapid oscillations, especially in H. The overall range in H was 135γ .

SEPTEMBER. - (Average Character Figure 0.93)

Except for slight activity during the first 9 hours of 1st and during the night 5-6d, conditions were quiet until late on 9th, when disturbance commenced. Very rapid fluctuations occurred between 1ld 1h and 18h, particularly in H and D, superimposed on variations of greater amplitude which reached a maximum late the same day.

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

lowing at intervals of 40 minutes. Deep minima occurred at 11d 23h 12m and 12d 0h 30m. D showed very similar variations, but their amplitude increased after midnight, maxima being reached at 12d 0h 30m and 12d 5h 17m. The ranges of the disturbance were 253y in H. 43.2' in D and 225y in V.

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

After another quiet period activity recommenced at 23d 6h. There was a sunspot whose central meridian passage was at 21.9d*. Hhad sharp peaks of about 160 γ and 120 γ at 13h 20m and 15h 29m, followed by a slow fall and rapid recovery at 24d 2h. The V curve was more regular, with maximum at 23d 18h 47m and minimum just after 24d 2h, when a sharp rise followed. Dhad several peaks between 13h and 18h, then fell slowly to a minimum at 24d0h 40m. A maximum at 2h 12m was followed by a sharp fall. Activity decreased on 24th but was intensified early on 25th, H falling 120 γ to a minimum at 9h 4m and D rising 26' between 2h 25m and 3h 50m. Disturbance continued throughout 25th and 26th, the ranges for the period 23rd to 26th being 273 γ in H, 38.5' in D and 157 γ in V.

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

OCTOBER. - (Average Character Figure 0.90)

Slight disturbance on 1st and 2nd - with a 'sudden commencement' type of movement at 2d 17h 20m (-9γ , $+39\gamma$ in H; $-\cdot4'$, $+2\cdot1'$ in D; very slight in V) was followed by quiet conditions from 2d 24h to 6d 24h. A sudden irregular rise of 50y in H and a fall of 12' in D, with rapid recoveries, between 7d Oh and 7d 2h, were followed by only minor disturbances. Phenomena similar in type and magnitude occurred at 10d 17h 50m and 10d 2lh 40m and again on 11th but, though conditions were never quiet, no notable disturbance was observed until 20d 9h. V rose markedly to its afternoon maximum at 15h 14m while H and D fluctuated rapidly with ranges of 100y and 42' respectively. few hours' decrease of activity it intensified again on 21st, D falling rapidly to the lowest value of the year at 18h 12m. The ranges for the days 20th and 21st were 143y in H. 51' in D and 140y in V. A large sunspot in solar lat. + 23° passed the meridian on 21.0d*

The 22nd and 23rd were less disturbed but after a 'sudden commencement' (+8 γ , -25 γ in H; -1.9', +5.2' in D; slight in V) at 24d 6h 39m H fell to a minimum just before noon, then rose with V and D to a maximum at about 15h, each curve showing a triple peak and V reaching its highest value for the year at 15h 4m.

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

The 26th was quiet but a small movement of 'sudden commencement' type (-1.2', +6.2' in D; less definite in H and V) at 27d 3h 46m initiated another disturbance in which movements were very irregular with no outstanding maxima or minima. A large sunspot in solar lat. + 20° passed the central meridian on 26.4d*. Activity diminished on 29th but continued for the remainder of the month.

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NOVEMBER. - (Average Character Figure 0.47)

Apart from minor activity on the nights 2-3d and 3-4d with slightly more from 5d 2h to 6d 14h, conditions were quiet until late on 1lth. The 12th, 13th and 14th were continuously disturbed but, except for a fall in D through 23' between 22h 30m and 23h 50m on the 12th, there was no noteworthy movement. Ranges for this period were 137γ in H, $38\cdot1'$ in D, 112γ in V.

There were large sunspots in solar lat. -30° and +21° whose times of central meridian passage were 9.5d and 13.2d respectively.*

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

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

DECEMBER. - (Average Character Figure 0.74)

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

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

167. RSKDALEMUIR: H. (height of barometer clistern above M.S.L.) = 237.5 metres

JANUARY, 1935

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i	18				980.0								978 - 8	978.1	977.2	976 • 4	975.7	974.8	974.5	974.1	973.8	973.3	973.0	972.5	971.5	
1	19				969-3								970-7	971.1	971.8	972.1	971.8	972.1	972.8	972.2	971.2	969-9	969.4	968.1	966.8	970-2
	20	966-0	964 • 0	962.9	961.5	960.3	959•3	958-1	956 • 7	955.9	954.7	953-6	952.9	952 · 3	952.0	952.0	952-2	952-0	951.9	951.7	951.8	951.7	951.7	951.4	951.5	955•7
	21	950-6	950-1	949.5	949-2	949-2	949-1	949.3	949-4	949-6	949-8	949-6	949-1	949 • 2	949 - 8	950-5	950-9	951.3	951.7	951-9	952-4	952-0	951-8	951-6	951-5	950 - 4
- 1	22	951-1	950-8	950-2	949-3	949-0	948 - 4	947-9	948 • 1	947-9	947.4	946 • 8	946 • 5			945 • 4										947-0
	23				946.3																				958 • 9	953.1
	24				957.9											954 · 3										954 • 6
	25				944.7									954 · 3	955-2	956 - 5	958 • 0	959 - 2	960 - 7	962-2	963-1	964 - 5	965-8	967-0	967.7	
	00	000 5	000 4	200 0	050 0	001 0		070 0					l								000 1	051.0	050 0			
1	26	800.2	969.4	970-2	970-8	971.7	971.8	972.2	972.8	973.5	973.7	973.9	973.9			973.7										
	27 28	907.9	966.0	954.7	963-0	901.0	960.6	960-4	960.5	959.3	958.1	957.9	957.5			955.9										958 - 6
V	28	954.1	954.1	953.6	953-6	953.3	953-0	953-1	953.3	953-4	953.5	953-4	953-4	953.5	953-6	953.7	953.9	954 • 1	954.9	955.5	956 • 4	956.9	957.7	958 • 3	959-1	954 • 5
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Mean	· · · · · · · · · · · · · · · · · · ·	973	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972	972
(Station	Level)	<u>•25</u>	-95						•52			•59	-41	-23		•15	<u> </u>	•12	•30	•45	•46				-47	•47
Mean		1002	1001	1001	1001	1001	1001	1001	1001	1001	1001	1001	1001	1000	1000	1000	1000	1000	1001	1001	1001	1001	1001	1001	1001	1001
(Sea Lev	rel)	:14							•41	•50		•33	•09	-88				•85		•28		•28	•39	•40	•35	•28
	Hour	1		,				7			10	١,,		,,	1,4	1,5	16	17	18	10	20	21	22	23	24	Mean
	G. M. T.		2	3	4	5	6	' I	8	9	10	11	Noon	13	14	15	16	17	10	19	20	21	~~	23	~4	"Maerii
			L	<u> </u>		<u> </u>							<u> </u>													

Noon

169. ESKDALEMUIR: Hb (height of barometer cistern above M.S.I.) = 237.3 metres

MARCH, 1935

	G. M. T.	1	2	3	4	5	6	7	8.	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	меел
\uparrow	Day 1 2 3 4 5	970 • 4 984 • 9	971·7 984·9	972.8	973·8 984·7	974·7 984·3	975·8 984·3	mb 963.0 976.9 983.9 994.0 992.6	978·1 984·1 994·5	979·1 984·2 995·1	979·8 984·1 995·0	980·8 984·2 995·1	984·4 995·2	981 · 8 984 · 2	982·0 984·1	982·5 984·1 995·1	982·8 983·9 994·7	983·1 984·0 994·5	983·9 984·2 994·6	984 · 5 985 · 6 994 · 3	984 · 8 987 · 1 994 · 3	984 · 9 988 · 2 993 · 5	992 • 7	985-0 989-7 991-9	mb 969·4 984·7 990·3 991·5 998·2	mb 963·0 979·7 965·2 993·7 994·1
	6 7 8 9	998 · 2 005 · 1 009 · 5	998 · 2 005 · 3 009 · 5	998·3 005·3 009·3	998 · 4 005 · 3 009 · 4	998·9 005·4 009·5	998·9 005·6 009·5		000 • 0 006 • 3 010 • 5	000·4 006·7 010·8 013·4	000.6 006.9 011.0 013.2	001·1 007·0 010·9 013·1	001·3 007·0 010·5 012·8	006·9 010·4	010.2	010·2	007·1 010·3	007·3 010·6 009·2	007·9 011·0 008·6	008·3 011·4 008·7	008 · 7 011 · 8 008 · 7	008·9 012·0 008·3	009·1 012·3 008·2	009-3 012-4 007-8	004·8 009·4 012·7 007·2 005·0	001.0 006.9 010.6 011.2 005.0
Level		011.9	011.8 005.7	011.3	011.4	011.5 004.5 996.3	011·4 003·9 996·1	006·2 011·7 003·7 995·5 983·8	011·8 003·4 995·5	011·7 003·0 995·1	002·6 994·9	002·0 994·2	001·5 993·4	009-9	000-0	999·3	998 · 9	998 • 8 990 • 2	998 · 9	999·1	999·1 989·5	998 · 7 989 · 1	998 • 5 988 • 6	998·5 988·1	011.5 006.7 998.2 987.6 976.3	010·0 001·6 993·1
Station	16 17 13 19 20	971.8 984.7 985.0 981.6	971·9 984·7 984·7 980·8	972·0 984·9 984·8 980·7	972 · 3 985 · 0 984 · 8 979 · 9	973·2 985·2 984·8 979·5	973·9 985·5 985·0 979·5	974 •6 985 •8 985 •4 980 •4	975.5 986.1 985.7 980.7	976·3 986·4 985·9 981·0	986 · 5 986 · 1 981 · 7	986 · 6 985 · 9 982 · 1	985·5 982·3	978 • 8 986 • 5 985 • 0 982 • 8	979·1 986·5 984·3 982·6	979·3 986·2 983·7 982·9	979·9 986·2 983·5 983·6	980·5 986·1 983·4 983·9	981 • 4 986 • 2 983 • 2 984 • 4	982·3 986·2 983·3 985·1	982·7 986·3 983·3 985·6	983·0 986·2 982·9 986·2	982·7 986·4	984·2 985·7 982·7 986·4	984 • 4 985 • 3 982 • 1 986 • 2	972-6 977-8 985-9 984-4 982-7
	21 22 23 24 25	979·4 969·9	978 · 5	977·9 969·3	977·5 969·6	977·2 970·3	976 · 7 970 · 9	976 · 6 971 · 5	976·2 971·9	976.0	975.6	975.2	974.6 972.5 980.3 988.2	984.6 974.0 972.4 991.1 987.8	972.9 972.0 991.3 987.4	972-3 991-4 987-3	972·5 991·6 987·4	973·0 991·9 988·2	974 · 2 992 · 2 988 · 6	974 · 9 992 · 2 988 · 8	975 · 6 992 · 2 989 · 2	976 · 2 991 · 3 989 · 1	976·5 990·8 989·1	977·3 990·6 989·1	977·3 990·6 989·1	984 · 2 974 · 2 972 · 6 987 · 9 988 · 8
	26 27 28 29 30	993·3 000·5 996·0 998·5	993·7 000·3 995·9 997·8	993·4 000·1 996·1 996·9	993·9 000·1 996·4 995·9	994·9 999·8 996·7 995·2	995·3 000·1 997·1 995·2	997·6 995·1	996 · 2 000 · 1 998 · 6 994 · 2	997·4 999·9 999·3 993·7	997-7 999-7 000-2 993-7	997·5 999·5 000·8 993·6	998 · 0 999 · 4 001 · 1 993 · 3	992.7	998·3 998·5 001·4 992·1	998.6 998.1 001.3 991.3	998·6 996·7 001·3 991·0	998·9 996·7 001·3 991·0	999 • 2 997 • 1 001 • 3 990 • 9	999·7 997·4 001·1 990·6	997·1 000·9 990·3	996 · 9 000 · 4 989 · 8	996·9 000·3 989·2	996 · 3 999 · 6 988 · 7	996·1 998·8 987·9	1
→	31			ļ		 		 		 	 		-	982-1	 	 	 							984 - 1	983-8	984 · 1
Mean (Statio	n Level)	990 •51	990 •46	990 •35		990 •49	990 •61	990 -85	991	991 •60	991	991	991 •29	991 •09	-		990 •55	990 •68	990 •95	<u> </u>			991 •47	•42	-29	-96
Mean (Sea Le	vel)	1019 •83		1019 •68	1019 •69	1019 •83	1019 •97	1020 •20	1020 •39	1020 •81	1020 •52	1020 •39	1020 •27	1020 •02	1019 •71	1019 •51	1019 <u>•51</u>	1019 •70	1020 •09	1020 •45	1020 •72	1020 •77	1020 •77	1020 •74	1020 •62	1020 •15
17	O. ESKD						1		h	l mh	l		mh.	Г _{ть}	T _{mb}	mh	mb	mb	mb	mb.	mb	mb			, 1935	
17	Day 1 2 3 4 5	mb 983.0 987.8 990.6	mb 982.5 988.2 990.3	mb 981·9 988·5 989·9	mb 980 · 9 988 · 8 990 · 2	mb 980·4 988·8 990·5	mb 980.6 989.3 991.1	989 • 4	989.6	989·6 991·8	990 • 2	990 • 6	990 • 6	990 • 2	989·9 990·3	989 · 5 989 · 7	989·6 989·0	989 · 6 988 · 8 975 · 1	989·8 988·3 975·2	990 • 2	990·3 985·7 975·4	990 · 2 985 · 3 975 · 1	mb 987·1 990·0 984·4	mb 987·2 990·3 983·4	mb 987·4 990·2 982·0 974·3	mb 982 • 8 989 • 6 989 • 2
17	Day 1 2 3 4	mb 983-0 987-8 990-6 981-3 974-6 971-8 975-9 966-1	mb 982.5 988.2 990.3 980.1 974.5 972.1 975.3 966.0	mb 981.9 988.5 989.9 979.2 974.1 972.6 974.8 965.7 964.9	mb 980.9 988.8 990.2 978.4 973.7 972.6 974.8 965.9 963.8	mb 980.4 988.8 990.5 978.3 973.3 972.7 973.8 966.1 962.8	mb 980.6 989.3 991.1 979.1 973.0 973.2 973.6 966.7 961.8	981.0 989.4 991.6 978.5 972.3 973.9 973.5 967.3	981.0 989.6 991.6 978.1 971.5 974.5 968.0 961.3	980-6 989-8 991-8 977-6 971-3 974-7 973-2 968-7 961-0	980·5 990·2 991·5 977·3 971·1 975·6 972·8 969·4 961·7	981·3 990·6 991·4 976·8 971·0 976·6 972·6 970·0 962·1	981·7 990·6 991·4 976·3 970·7 976·8 971·7 970·4 962·4	981.5 990.2 990.7 976.1 970.3 977.3 971.2 970.9	981-7 989-9 990-3 975-6 970-3 977-5 970-6 971-3 964-0	982 · 5 989 · 5 989 · 7 975 · 1 970 · 3 977 · 6 969 · 9 971 · 5 964 · 5	982.5 989.6 989.0 974.9 970.2 977.6 969.3 971.6 965.5	982.9 989.6 988.8 975.1 969.7 977.3 968.5 971.7 966.1	983.8 989.6 988.3 975.2 969.8 977.3 968.1 971.9 965.8	985.0 990.2 987.4 975.4 970.5 977.5 967.6 972.1 965.3	985.9 990.3 985.7 975.4 970.7 977.7 967.3 971.9 965.3	986 · 7 990 · 2 985 · 3 975 · 1 971 · 0 977 · 6 967 · 0 971 · 3 964 · 8	mb 987·1 990·0 984·4 975·2 971·4 966·6 970·9 963·7	mb 987.2 990.3 983.4 974.7 970.9 976.8 966.3 970.1 963.1	mb 987-4 990-2 982-0 974-3 971-4 976-3 966-3 969-3 961-1	mb 982 · 8 989 · 6 989 · 2 977 · 0
	Day 1 2 3 4 5 6 7 8 9 10	mb 983.0 987.8 990.6 981.3 974.6 971.8 975.9 966.1 967.7 959.0 954.6 976.4 985.3 986.7	mb 982.5 988.2 990.3 980.1 974.5 972.1 956.0 966.2 957.1 956.6 976.1 985.3 976.2	mb 981·9 988·5 989·9 979·2 974·1 972·6 965·7 964·9 955·4 957·7 976·8 985·8 985·8 975·7	mb 980·9 988·8 990·2 978·4 973·7 972·6 965·9 963·8 953·7 959·0 985·3 975·2	mb 980·4 988·8 990·5 978·3 973·3 972·7 973·8 966·1 962·8 951·7 959·8 977·3 985·4 974·8	mb 980·6 989·3 991·1 979·1 973·2 973·6 966·7 961·8 951·7 961·6 985·3 974·8	981.0 989.4 991.6 978.5 972.3 973.9 973.5 967.3 961.6	981.0 989.6 991.6 978.1 971.5 973.5 961.3 951.5 962.8 978.0 985.2 975.0	980.6 989.6 991.8 977.6 971.3 974.7 973.2 968.7 961.0 951.0 963.8 978.4 984.9 975.1	980·5 990·2 991·5 977·3 971·1 975·6 972·8 969·4 961·7 951·2 964·8 979·0 984·9 975·3	981.3 990.6 991.4 976.8 971.0 976.6 972.6 970.0 962.1 951.0 965.3 979.2 984.5 975.5	981.7 990.6 991.4 976.3 970.7 976.8 971.7 970.4 962.4 951.1 965.9 979.4 983.8 976.0	981.5 990.2 990.7 976.1 970.3 971.2 970.9 963.2 951.2 966.6 979.6 983.3 976.6	981.7 989.9 990.3 975.6 970.3 977.5 970.6 971.3 964.0 951.9 966.7 980.0 982.7 976.6	982-5 989-5 989-7 975-1 970-3 977-6 969-9 971-5 964-5 953-2 987-2 980-1 982-2 977-2	982.5 989.6 989.0 974.9 970.2 977.6 969.3 971.6 965.5 953.8 967.7 980.1 981.8 977.5	982.9 989.6 988.8 975.1 969.7 977.3 968.5 971.7 966.1 954.6 269.3 980.6 981.3 977.9	983.8 989.8 988.3 975.2 969.8 977.3 968.1 971.9 965.8 955.2 970.5 981.3 980.2 978.6	985-0 990-2 987-4 975-4 970-5 977-5 967-6 972-1 965-3 955-3 971-8 982-4 979-8	985-9 990-3 985-7 975-4 970-7 977-7 967-3 971-9 965-3 955-6 972-8 983-5 979-6	986·7 990·2 985·3 975·1 971·0 977·6 967·0 971·3 964·8 955·6 973·4 984·0 979·2 980·1	mb 987-1 990-0 984-4 975-2 971-4 966-6 970-9 963-7 955-2 974-2 984-2 978-5 980-3	mb 987 · 2 990 · 3 983 · 4 974 · 7 970 · 9 976 · 8 966 · 3 970 · 1 963 · 1 953 · 5 975 · 4 984 · 7 977 · 9 980 · 5	mb 987-4 990-2 982-0 974-3 971-4 976-3 966-3 969-3 961-1 953-2 976-2 985-2	mb 982-8 989-8 989-2 977-0 971-8 971-2 969-3 963-9 953-7 965-6 979-8 982-7 977-0
Station Level	Day 1 2 3 4 5 6 7 8 9 10	mb 983-0 987-8 990-6 981-3 971-8 975-9 966-1 967-7 959-0 954-6 976-4 985-3 976-7 980-8 971-3 974-2 964-3 974-3	mb 982.5 988.2 990.3 980.1 974.5 975.3 966.0 966.2 957.1 956.6 976.1 985.3 976.2 980.8 970.2 953.9 965.1 973.1	mb 981 · 9 988 · 5 989 · 9 979 · 2 974 · 6 965 · 7 964 · 9 955 · 4 957 · 7 980 · 6 969 · 1 953 · 6 969 · 7 973 · 6	mb 980·9 988·8 990·2 978·4 973·7 972·6 965·9 963·8 953·7 959·0 977·4 985·3 975·2 980·6 967·8 953·7 966·7	mb 980-4 988-8 990-5 978-3 972-7 973-8 966-1 962-8 951-7 959-8 977-3 985-4 974-8 980-4	mb 980·6 989·3 991·1 979·1 973·2 973·2 966·7 961·8 951·7 961·7 977·6 985·3 985·3 985·8 985·8	981-0 989-4 991-6 978-5 972-3 973-9 967-3 961-6 952-1 962-2 977-6 985-3 974-9 980-6 964-7 953-9 968-9 974-8	981.0 989.6 991.6 978.1 971.5 974.5 968.0 961.3 951.5 962.8 978.0 985.2 975.0 980.4 963.6 954.1 963.6	980.6 989.6 991.8 977.6 971.3 974.7 963.2 968.7 961.0 951.0 963.8 975.1 980.3 962.4 954.7 970.0 975.0	980-5 990-2 991-5 977-3 971-1 975-6 972-8 969-4 961-7 951-2 964-8 979-0 984-9 975-3 980-0 961-3 975-3 975-3	981·3 990·6 991·4 976·6 971·0 976·6 970·0 962·1 951·0 965·3 979·2 984·5 975·5 979·4 960·4 955·2 971·2	981.7 990.6 991.4 976.3 970.7 976.8 971.7 970.4 962.4 951.1 965.9 979.4 983.8 976.0 979.1 959.5 955.9 971.5	981.5 990.2 990.7 976.1 970.3 977.3 971.2 970.9 963.2 951.2 966.6 979.6 983.3 976.6 978.7	981.7 989.9 990.3 975.6 970.3 977.5 971.3 964.0 951.9 966.7 976.6 978.1 958.0 956.7 976.7	982-5 989-5 989-7 975-1 970-3 977-6 969-9 971-5 964-5 953-2 967-2 980-1 982-2 977-2 977-6 957-2 957-2 971-7	982.5 989.6 989.0 974.9 970.2 977.6 969.3 971.6 965.5 953.8 967.7 980.1 981.8 977.5 977.3	982.9 989.6 988.8 975.1 969.7 977.3 966.1 954.6 269.3 980.6 981.3 977.9 976.6 956.5 957.8 977.8	983.8 989.8 988.5 975.2 969.8 977.3 968.1 971.9 965.8 955.2 970.5 981.3 980.2 978.6 976.2 956.1 956.1 956.3 972.3	985-0 990-2 987-4 975-4 970-5 977-5 967-6 972-1 965-3 955-3 971-8 982-4 979-8 975-9 955-9 959-4 977-5	985-9 990-3 985-7 975-4 970-7 977-7 967-3 971-9 965-3 955-6 979-6 979-6 975-4 955-6 960-4 978-8	986·7 990·2 985·3 975·1 971·0 977·6 967·0 971·3 964·8 955·6 973·4 984·0 979·2 980·1 974·7 955·2 961·0 973·1	mb 987-1 990-0 984-4 975-2 971-4 966-6 970-9 963-7 955-2 974-2 984-2 978-5 980-3 974-3 954-8 961-7 978-2	mb 987.2 990.3 983.4 974.7 970.9 976.8 966.3 970.1 963.5 975.4 984.7 977.9 980.5 973.4 954.6 962.7 977.9	mb 987-4 987-4 980-2 982-0 974-3 971-4 976-3 966-3 966-3 966-3 961-1 953-2 976-2 977-4 980-7 977-3 954-5 963-4 977-9	mb 982-8 989-6 989-2 977-0 971-6 975-5 971-2 969-3 963-9 953-7 965-6 979-8 982-7 977-0 978-3
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Mean (Station Ness)	Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 n Level)	mb 983.0 987.8 990.6 981.2 971.8 975.9 966.1 967.7 959.0 954.6 976.3 976.7 980.8 971.3 972.5 981.7 994.5 995.5 997.7 998.5 998.4 994.3 979.08	mb 982.5 988.2 990.3 980.1 974.5 972.1 975.3 966.0 966.2 957.1 956.6 976.2 980.8 970.2 980.8 970.2 953.9 965.1 973.1 973.1 969.8 973.0 995.5 997.6 995.5 997.6 995.5	mb 981.9 988.5 989.9 974.1 972.6 974.8 965.7 964.9 955.4 965.3 975.7 980.6 969.1 973.1 \$76.7 969.6 973.4 982.2 994.9 995.4 997.4 998.6 993.8	mb 980 · 9 988 · 6 990 · 2 978 · 4 973 · 7 972 · 6 974 · 6 965 · 9 963 · 8 953 · 7 955 · 0 987 · 2 980 · 6 967 · 8 953 · 7 973 · 2 276 · 3 969 · 5 973 · 7 982 · 6 997 · 3 998 · 6 997 · 7 993 · 5 978 - · 57	mb 980 · 4 988 · 8 990 · 5 978 · 3 973 · 3 972 · 7 973 · 8 966 · 1 967 · 4 974 · 8 980 · 4 974 · 8 980 · 4 973 · 8 987 · 2 969 · 4 973 · 3 983 · 2 994 · 8 995 · 3 995 · 3 995 · 3 997 · 4 998 · 6 997 · 7 993 · 3 997 · 4 998 · 6 997 · 7 993 · 3 997 · 4 997 · 4 997 · 7 997 · 4 997 · 7 997 · 8 997 · 8 907 · 8	mb 980.6 989.3 991.1 973.0 973.2 973.6 966.7 961.6 985.3 974.8 980.8 965.8 984.0 995.2 996.8 997.8 997.8 997.8	981-0 989-4 991-6 978-5 973-5 973-5 961-6 952-1 962-2 977-6 965-3 974-9 980-6 964-7 953-9 968-9 976-2 984-9 995-5 995-5 997-8 997-8 997-8	981-6 989-6 978-1 971-5 973-5 973-5 968-0 961-3 985-2 985-2 985-2 985-2 985-2 985-2 985-2 985-2 985-2 985-2 985-2 985-2 975-0 975-0 975-0 975-0 975-0 995-4 995-4 997-0 997-4 998-8 997-9 997-1	980-6 989-8 991-8 977-6 971-3 974-7 973-2 968-7 961-0 951-0 963-8 975-1 980-3 962-4 976-0 986-1 995-3 995-5 996-8 997-8 997-8 992-8	980-5 990-2 991-5 977-3 971-1 975-6 972-8 969-4 961-7 951-2 964-8 975-3 980-0 961-3 975-3 975-3 976-1 986-6 995-5 996-7 997-8 998-9 997-8 998-9 997-3	981·3 990·6 991·4 976·8 971·0 976·6 972·6 970·0 965·3 979·2 984·5 975·5 977·3 976·5 987·1 994·8 995·9 995·9 995·9 995·9 995·9	981.7 990.6 991.4 976.3 970.7 976.8 971.7 976.4 962.4 961.1 965.9 976.0 979.1 959.5 955.9 971.5 975.3 975.3 969.8 987.6 994.5 995.8 995.8 995.9	961.5 990.2 990.7 976.1 970.3 971.2 970.9 963.2 951.2 966.6 979.6 978.7 958.8 976.5 975.4 969.8 976.9 988.3 996.6 998.0 998.6 998.6 998.5 998.5 998.5	981 · 7 989 · 9 990 · 3 977 · 5 970 · 6 971 · 3 964 · 0 981 · 9 966 · 7 980 · 0 982 · 7 971 · 8 974 · 2 969 · 7 977 · 1 988 · 7 994 · 2 995 · 7 996 · 5 996 · 5 997 · 8 996 · 1 998 · 2 999 · 0 1007	982-5 989-5 989-7 975-1 970-3 977-6 969-9 971-5 953-2 980-1 982-2 977-2 977-2 977-2 977-4 973-3 969-2 994-1 995-3 996-3 996-3 996-3 991-9 978 -97	982.5 989.6 989.0 977.6 965.5 953.8 967.7 980.1 981.8 977.5 977.3 956.8 957.5 977.7 973.2 969.0 978.2 989.6 995.7 995.3 995.3 997.2 999.2 999.2	982.9 989.8 989.8 975.1 989.7 977.3 968.5 996.7 977.3 985.6 986.8 987.1 977.8 986.5 987.8 977.8	983-6 998-6 998-3 975-2 969-8 977-3 988-1 971-9 985-2 970-5 981-3 980-2 976-2 976-2 956-1 977-3 977-3 991-2 994-4 996-2 996-2 999-3 999-3 999-3 999-3 999-3	985-0 990-2 987-4 977-5 967-6 972-1 965-3 955-3 971-8 982-4 979-8 979-1 975-9 959-4 972-6 977-5 971-7 991-7 991-7 991-7 996-3 996-5 997-8 996-3 996-5 997-8	985-9 990-3 985-7 975-4 970-7 977-7 967-3 971-9 965-3 955-6 972-8 983-5 979-6 975-4 955-6 972-8 972-8 972-8 972-8 972-8 972-8 972-8 972-8 972-8 972-7 995-5 997-0 998-4 998-2 995-2 992-7	986·7 990·2 985·3 975·1 971·0 977·6 967·0 971·3 964·8 965·6 973·4 984·0 979·2 980·1 974·7 965·2 961·0 973·1 972·0 971·4 993·2 995·5 997·4 996·8 995·3 995·3 993·2	mb 987-1 990-0 984-4 975-2 971-4 966-6 970-9 963-7 955-2 974-2 974-2 974-2 974-3 973-2 974-3 971-4 971-6 980-8 993-5 995-5 995-5 995-5 995-1 998-6 995-1 993-4	mb 987-2 990-3 983-4 974-7 970-9 976-8 977-9 980-5 977-9 980-5 997-9 9 977-9 9 977-9 9 977-9 9 977-9 9 977-9 9 9 9	mb 987-4 980-2 982-0 974-3 971-4 976-3 966-3 966-3 966-3 961-1 953-2 976-2 985-2 977-4 980-7 977-3 954-5 963-4 972-9 977-2 981-6 994-2 995-6 997-2 995-5 998-5 998-5 998-5	mb 982 · 8 989 · 6 989 · 2 977 · 0 971 · 6 971 · 2 969 · 3 963 · 9 953 · 7 965 · 6 978 · 3 961 · 1 956 · 7 976 · 9 975 · 7 974 · 6 976 · 9 987 · 7 994 · 9 996 · 9 996 · 9 997 · 7 998 · 5 996 · 6 992 · 9
Mean (Station Mean (See Le	Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 n Level) Hour	mb 983.0 987.8 990.6 981.3 971.8 971.8 971.8 975.9 966.1 985.3 976.7 980.8 971.3 976.7 980.8 971.3 972.5 984.3 972.5 984.5 995.5 997.7 997.6 998.5 998.5 998.5 998.5 998.5 998.5 998.5 998.5 998.5 998.5	mb 982.5 988.2 990.3 980.1 974.5 972.1 975.3 966.0 966.2 957.1 985.3 976.2 980.8 970.2 980.8 977.1 969.8 973.1 969.8 977.1 969.8 977.5 995.5 997.5 995.5	mb 981 · 9 988 · 5 989 · 9 974 · 1 972 · 6 965 · 7 964 · 9 955 · 4 985 · 6 973 · 4 997 · 4 997 · 4 998 · 6 998 · 0 993 · 8	mb 980 · 9 988 · 6 990 · 2 976 · 4 973 · 7 972 · 6 974 · 6 953 · 7 959 · 0 977 · 4 985 · 3 975 · 2 980 · 6 967 · 8 953 · 7 973 · 2 976 · 3 976 · 2 976 · 3 998 · 6 997 · 3 998 · 5 978	mb 980 · 4 988 · 8 990 · 5 978 · 3 973 · 3 972 · 7 973 · 8 966 · 1 962 · 8 977 · 3 985 · 4 974 · 8 980 · 4 973 · 6 976 · 2 969 · 4 973 · 6 976 · 2 969 · 4 973 · 8 995 · 3 996 · 7 997 · 4 998 · 6 997 · 4 998 · 6 997 · 3 998 · 6 997 · 4 998 · 6 997 · 7 997 · 8 998 · 8 988 · 8 988 · 8 988 · 8 988 · 8	mb 980.6 989.3 991.1 973.0 973.2 973.6 966.7 961.6 985.3 974.8 980.8 965.8 984.0 995.2 996.8 997.8 997.8 997.8	981-0 989-4 991-6 978-5 973-5 973-5 961-6 952-1 962-2 977-6 965-3 974-9 980-6 964-7 953-9 968-9 976-2 984-9 995-5 995-5 997-8 997-8 997-8	981-0 981-6 981-6 978-1 971-5 973-5 968-0 985-2 978-0 985-2 978-0 985-4 978-0 985-4 995-4 997-4 997-4 997-4 998-8 999-1	980.6 989.6 991.8 977.6 971.3 974.7 973.2 968.7 961.0 963.8 975.1 980.3 962.4 975.1 980.3 962.4 976.0 975.4 976.0 969.7 976.0 989.7 995.3 995.3 995.8 997.8 997.8	980-5 990-2 991-5 977-3 971-1 975-6 972-8 969-4 961-7 951-2 964-8 975-3 980-0 961-3 975-3 975-3 976-1 986-6 995-5 996-7 997-8 998-9 997-8 998-9 997-3	981·3 990·6 991·4 976·8 971·0 976·6 972·6 970·0 965·3 979·2 984·5 975·5 975·5 975·5 975·9 960·4 955·2 975·9 975·9 969·7 969·7 969·7 994·8 995·7 994·8 995·7 994·8 995·7	981.7 990.6 991.4 976.3 970.7 976.8 971.7 970.4 962.4 951.1 965.9 979.4 983.8 976.0 979.1 955.9 977.3 976.3 976.3 976.8 987.6 987.6 987.6 987.6 987.6 987.6 987.6 987.6 987.6 987.6	961.5 990.2 990.7 976.1 970.3 971.2 970.9 963.2 951.2 966.6 979.6 983.3 976.6 978.7 958.8 976.5 975.4 969.8 976.9 998.3 994.4 995.8 998.6 998.6 998.6 998.6 998.6	981 · 7 989 · 9 990 · 3 977 · 5 970 · 6 971 · 3 964 · 0 981 · 9 966 · 7 980 · 0 982 · 7 971 · 8 974 · 2 969 · 7 977 · 1 988 · 7 994 · 2 995 · 7 996 · 5 996 · 5 997 · 8 996 · 1 998 · 2 999 · 0 1007	982-5 989-5 989-7 975-1 970-3 977-6 969-9 971-5 964-5 953-2 967-2 977-2 977-2 977-2 977-3 969-2 977-4 973-3 969-2 994-1 995-8 996-3 997-4 995-8 997-4 995-8 997-9	982.5 989.6 989.0 974.9 970.2 977.6 969.3 971.6 965.5 953.8 967.7 980.1 981.8 977.3 977.3 957.5 977.7 978.7 978.2 989.6 997.2 989.6 995.7 995.7 995.3 995.3 995.3 995.3 995.3	982.9 989.6 989.8 975.1 989.7 977.3 986.5 986.6 987.9 976.6 987.9 976.6 997.8 977.8 986.5 997.9 997.8 997.9 997.8 997.9 997.8	983-8 998-3 998-3 975-2 969-8 977-3 988-1 977-3 985-2 970-5 981-3 977-3	985-0 990-2 987-4 977-5 967-6 977-5 967-6 972-1 965-3 955-3 971-8 982-4 979-8 979-5 977-5 972-6 977-5 977-7 991-7 991-7 996-3 996-5 997-8 996-3 996-5 997-8	985-9 990-3 985-7 975-4 970-7 977-7 967-3 955-6 972-8 983-5 979-6 975-4 955-6 972-8 975-4 955-6 972-8 972-8 972-8 972-8 972-8 972-8 972-8 972-7 995-5 998-1 998-2 998-2 998-2 998-2	986·7 990·2 985·3 975·1 971·0 977·6 967·0 971·3 964·8 955·6 973·4 984·0 979·2 980·1 974·7 955·2 961·0 973·1 972·0 971·4 993·2 995·5 997·3 996·8 996·8 998·3 996·3 993·2	mb 987-1 990-0 984-4 975-2 971-4 966-6 970-9 963-7 955-2 974-2 974-2 974-2 974-3 973-2 974-3 971-4 971-6 980-8 993-5 995-5 995-5 995-5 995-1 998-6 995-1 993-4	mb 987.2 990.3 983.4 974.7 970.9 976.8 977.9 980.5 973.4 954.6 962.7 977.9 977.9 977.9 977.9 977.9 977.0 972.0 972.0 972.0 973.1 993.9 997.4 993.5 997.9 997.4 993.5 997.9 997.4 1008	mb 987-4 990-2 982-0 974-3 971-4 976-3 966-3 969-3 961-1 953-2 976-2 985-2 977-4 980-7 977-3 954-5 963-4 977-9 977-9 977-2 981-6 994-2 995-6 997-9 997-2 998-5 998-5 998-5 998-5	mb 982 · 8 989 · 6 989 · 2 977 · 0 971 · 6 971 · 2 969 · 3 963 · 9 953 · 7 976 · 3 961 · 1 956 · 7 976 · 9 975 · 7 974 · 6 976 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 967 · 7 994 · 9 996 · 0 996 · 9 997 · 7 996 · 5 996 · 6 992 · 9 979 · 12 1007
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171. ESKDALEMUIR: Hb (height of barometer cistern above M.S.L.) = 237.3 metres

MAY, 1935

C	Hour J. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
_	Day	mb	шb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	99
T	ì	993.5	993-5	993-4	993.4	993-6	993-7	993.8	994.1	994.2	994 - 2	994-0	993.7	993-5	993-0	992.6	992 • 4	992 • 2	992.2	992 · 3	992.5	992.6	992.6	992.5	992.4	
	2	000-1	1 007 .0	1001-7	001.5	001.2	007.0	001.4	007.9	1 001 -0	9900	laan • R	igan - R	99011-4	1990 • 3	1989	IMBH•Z	9888	1988	1900 - 7	1300.1	300.0	1200.0	טי כסעו	1300.4	1 77
	3	000.2	000.0	007.4	007.4	097.5	097.7	097.8	097.6	087.9	1 QRR - Q	1986 • 8	1986 • 5	986 • 1	1985 • 8	985.5	1985 • 2	1985 • 0	984 • 9	1965 • 3	1985-7	A00.A	1800.5	300.2	2000	9
	4	000.0	000.0	200.0	000.0	000.7	200	007.0	007.4	097.6	097.7	1987.5	1987-9	987.2	1987•1	1987•1	1987 • 2	987 • 4	1988 • 0	1888.2	1968.9	969.3	1202.0	AGA.O	1.606	ם ו
ŀ	5	989 • 7	989 • 5	989-8	989 • 8	989 • 9	990 - 2	990 • 4	990 • 7	991.0	991-2	991-2	991.2	991.4	991 • 6	991.7	991.9	992-3	992 • 7	993-1	994.1	994.8	995 • 2	995-6	996 • 0	9
	6	996 • 4	996-7	997-0	997-1	997 - 2	998-0	998 • 6	999-3	999-2	999-3	999-3	999•5	999 • 5	999 • 5	999•5	999-6	000-1	000-1	000-2	000 • 5	000.7	001-1	001.2	001.3	9
- 1	7	001.9	0.100	1 001 - 1	1 001 .1	2.100	201.6	000.0	1009-7	003-1	003.2	1003-2	1003-2	003-1	Ю03•1	1002-9	1002 • 9	1003-1	003.4	1003.8	1004 - 3	1005.0	1002-3	002.3	005°Z	ĮΨ
- [8	ME . 4	205.4	1005.7	OOE . E	2005.0	205.0	2008-0	2005.0	005.3	1005-21	I 2004 - 8	1004 • 3	1003-9	1003-4	1003+2	1003+2	1003-1	003•0	1002-9	1003-6	1003.8	1004 .0	1003.3	003.0	
	9	1004 a 1	004.0	002.4	002.6	003.8	2012	003.5	202-7	2013-5	203-8	1003-4	1003-2	002-8	1002 • 7	002-6	1002 • 3	OO2 • 2 I	002.1	1002 • 2 1	1002.0	100T • 4	100T . A	1007.1	OOT.9	ľ
1	10	001.5	001.1	000-8	000-5	000-3	000.5	000.3	000-4	000-2	000-2	999-9	999.5	999 • 3	999 • 0	998-6	998 • 5	998•3	998 • 1	998 • 3	998 • 4	998 · 7	998-6	998-6	998 • 7	9
	11	998 • 6	998-1	997.7	997-3	997-4	997-3	996 • 9	997-0	996 • 9	996-8	996•6	996 · 3	996•1	995-8	995•3	995 • 2	995•3	995 • 7	996 • 2	996 • 7	996 • 9	996 • 9	997•3	997.3	9
1	12	007.2	207.1	007.3	007.1	007.9	007.9	997.5	207.5	997.3	997.2	1997.4	1997-4	997 • 2	1997 • 1	996 • 7	1996 • 8	I996 •8 I	997 • 2	1997 • 4	1997 • 7	997.9	1998.0	997.9	801.9	5
4	13	007.A	007.5	007.4	007.5	007.5	007.2	007.2	008.7	998.7	995-3	1994 • 3	1993-5	992 • 7	1991 • 5	1990 • 3	1989 • 0	1988 • 9 1	988 • 9	1988 • 4 1	1987.5	969.3	320.0	1990.1	BBT.T	2
Š	14	991.1	991.7	002.1	009.5	003-1	9.500	9- 100	995.2	995 • 5	995-9	1996 • 5	996 - 5	996 • 9	1997-0	997 • 2	1997•5	l998 •0 l	998 • 4	1998 • 8 1	1999•21	999.3	999.3	333.T	ח.פפפן	ı۶
ž	15	998 - 7	998 • 1	997-3	996 • 6	995-8	995 - 1	994 • 1	993-1	992-0	990 • 5	989 - 7	988•6	988 • 0	987.5	987-1	986-9	987-2	987-6	988 • 4	989-4	989 • 8	990 - 9	991.6	992.3	9
ţį	16	992 7	993-3	993-2	993-4	993-2	993-4	993-5	993-9	993-7	993-5	993-2	992-9	992-2	991.5	990-8	990.1	989-3	988 • 4	987 • 7	986 • 7	985•9	984 • 6	983-3	982-3	9
<u>.</u>	17	0.1.0	9.190	മേഹം വ	മെറംഭി	280.6	081.9	081.5	94 190	089.7	9-190	1982-0	1982 • A	982 • 4	1982 • 9	1983•Oi	1983 • 4	983-6	983.8	984 4	982 · TI	985.2	985.7	Ago.T	2.006	2
ၯ	18	QR5 · A	985.0	985.3	985.4	985.5	985 - 3	QR5 • 4	985 - 5	985 - 8	985 - 4	1985-0	1984 • 6	984 • 1	1983 • 7	983.5	1983 • 5	983.5	983.6	1983 • 7	984.2	994.1	962.8	202.0	903.4	פ
	19	083.U	082.6	089.9	989.0	941.8	981 - 5	981 - 3	91.5	981 - 3	981.1	981 - 2	981 • 2	981 • 1	1981 • 1	981 • 1	1981 • 2 :	981 • 5	1982 • 1	1982 • 6 1	1983-51	984.5	964.6	904.0	800.0	I ₹
	20	985.1	985 • 4	985 • 8	986 • 2	986 • 9	987-5	988 • 2	989 • 0	989 • 4	989-6	989-6	990 • 1	990 • 5	991-2	991•4	991.6	992-1	992-3	992-9	993-8	994 • 6	995 • 4	995 • 8	996 - 2	9
ı	21	996 • 6	996 • 5	996-6	996-8	997 • 2	997 • 7	998 • 1	998-3	998-5	998-4	998 • 4	998-3	998-0	998 - 2	997-9	997-8	997-8	997-9	998 • 2	998•8	999•1	999-4	999-2	999-2	9
- [22	000.0	000.1	200.1	000.0	000-0	000.1	200.0	008.0	998.7	009.5	008.3	1008-1	998-1	1997-9	997-5	1997•4	1997•1	997•1	1996•81	1997 • 01	997.0	997.2	AB1.T	ם י סשש	
- 1	23	996 • 9	996 • 7	996 • 4	996 - 1	996 - 1	996 - 5	996 • 4	996 • 1	996 • 1	996.1	996 - 2	1996 - 2	998 • 2	1996 • 1	995 • 9	1995 • 7	995•3	995-6	1996 • 0 1	996.2	AA0.0	וסיספפו	220.0	200-1	
ı	24	996 - 8	996 • 9	996-8	997.0	997.0	996 • 9	997.0	997.1	997 - 3	997.1	996 - 9	996 - 8	996-6	1997 • N	997•0	1996 - 8	996 • 8	1996 • 9	1997 • 21	1997.51	A30.0	וסיוששו	220.0	251.0	
	25				998.0									997-1	997•1	997-2	997-3	997-2	997-0	997-0	997 • 2	997-4	997-1	997-1	997-1	٤
	26	996-9	997-1	997-0	997•0	996 • 9	997•0	997-0	997-0	996 • 8	996-7	996 - 3	996 • 2	996 • 2	995-9	995-3	995 • 5	995-2	994 • 8	994 • 9	995-4	995 • 7	995 • 7	995-8	995-9	8
-	27	995-8	995 - 7	995-3	995 - 1	995 - 1	295-2	995-1	995-0	994-9	994-8	994 - 1	002.0	003.8	1003-9	999-9	1992 • 8	992 • 5	992-8	1992 • 9	1993 4	993.0	1224.51	224.2	334.0	
- 1	28	904.9	1 004 . 2	1 004 - 2	002.0	002.7	002.0	002.0	1002-7	003.0	1002.5	1002.1	1003.0	909.K	1009 • R	9920	1992 • 2	1992 • 1	MMX • ()	A85.T	935.2	סיאשנים	וסיגשטו	223.5	000	
-	29	992 - 5	992.3	991.9	991.7	991 - 5	991.4	991.3	991.2	991-1	990.6	989.9	989 • 5	0.880	988.5	988.2	1088 • O	987.8	987.5	987.9	988 • 2	988 • 6	1988 • 7	988 • 5	988.2	l A
	30	988-1	987.7	987-6	987-2	987-1	987-2	987-2	987-3	987.3	987-3	987-4	987-1	987-0	986 • 7	986-1	986 • 0	985•9	986 • 1	986 • 2	986 • 5	987-1	987-5	987 • 7	987-7	٩
\downarrow	31	987•7	987-7	987-5	987 • 7	987-6	987-7	987-7	987-7	987 - 7	987-8	987-5	987-3	987-0	986-9	986-9	987-0	987-0	986 • 9	987-0	987•2	987-6	987-8	988•0	987-8	9
n		993	993	993	993	993	993	993	994	993	993	993	993	993	993	992	992	992	992	992	993	993	993	993	993	
tior	Level)	•97	•87	•77	•70	•71	-84	-94	•00	•96	-81	•62	•42	•22	-06	•80	•71	<u>•68</u>	•77	•97	-30	•64	•79	·81	-83	Ļ
n		1023	1002	1023	1000	1000	1000	1000	1000	1000	1022	1000	1021	1021	1001	1021 •19	1021	1091	1021	1021	1022	1022	1023	1023	1023	1
n Lev		1023 33	1023 •26		1023	TOES	エリたび	1023						TOCT	LAULE	TOUT	True T			•73				•08		ľ

TITNE 1035

172	. ESKD	LEMUI	R: H	b = 2	37•3	metre	s.															·	,	JUNE	, 193	· · ·
\uparrow	Day 1 2 3 4 5	982·3 975·5 976·5	981 · 7 975 · 4 976 · 5	981 · 2 975 · 2 976 · 2	mb 987.0 980.7 975.0 976.0 971.3	980 · 8 975 · 0 976 · 0	980 · 6 975 · 0 975 · 9	980·2 975·1 976·1	979·9 975·2 975·9	979·5 975·3 975·7	978·9 975·1 975·5	978·4 974·7 974·9	977·9 974·8 9 74 ·5	mb 984·4 977·5 974·7 974·2 970·5	977 · 2 974 · 9	975.0	976 • 5 975 • 0	976 · 3 975 · 3	976 • 5 975 • 4 973 • 0	976·3 975·8 973·0	976 · 2 976 · 0 972 · 9	976 · 4 976 · 5 972 · 8	976 · 2 976 · 6 972 · 6	976 · 2 976 · 6 972 · 5	976·6 972·4	974
	6 7 8 9	968 • 1 966 • 6 987 • 7	967-6 966-7 988-0	967·1 966·8 988·3	966·6 967·6	966 • 1 968 • 6 988 • 6	965 • 7 969 • 6 988 • 6	965·2 970·2 988·5	964·7 971·0 988·4	964·6 971·1 988·2	964·2 972·1 988·0	963-3 973-5 988-0	962·5 975·1 987·9	976 • 8	962 · 2 978 · 4 987 · 6	973-5 961-4 979-4 987-4 976-0	960 · 9 980 · 3 986 · 8	960 · 9 981 · 4 986 · 5	961·1 982·4 986·1	961 · 7 983 · 4 986 · 0	982 · 7 984 · 4 985 · 7	985·1 985·5	985 · 8 985 · 4	986 · 8 985 · 2	987·4 984·8	975 987
ın Level	11 12 13 14 15	969·5 975·8	970·3 975·6	970 · 7 975 · 4	971·4 975·1	971·9 975·1	972 · 2 975 · 2	972·1 975·6	972·6 976·1	973·1 976·2	973·4 976·4	973.5	973·9 977·5	967·3 974·2 978·0 976·4 975·2	974 · 6 978 · 5 976 · 2	974·9 978·8 976·1	975·1 979·1 975·8	975 • 4 979 • 6 975 • 6	976-0 979-6 975-6	976·1 980·0 975·4	976·2 980·3 975·6	976 · 4 980 · 6 975 · 7	980·4 975·6	980 · 3 975 · 5	979·9 975·5	968 973 977 976 975
Station	16 17 18 19 20	976 · 6 982 · 2 990 · 2	976 · 7 981 · 8 990 · 1	976·9 981·3 990·1	977·6 981·2 990·1	978·3 981·3 990·2	978 · 9 981 · 4 990 · 2	979·6 981·6	980·1 981·5	980 · 6 981 · 6	981·3 982·1	981 · 5 982 · 6 989 · 3	981·6 983·3	974·1 981·8 984·0 988·4 980·2	981 · 8 984 · 7 987 · 8	982·3 985·0 987·8	982 · 3 985 · 6 987 · 6	982·3 986·2 987·1	982 · 6 987 · 0 986 · 5	982-6 987-6 986-1	982 · 6 988 · 3 985 · 6	982·8 988·9 985·3	982 · 8 989 · 3 984 · 6	982·9 989·5 984·1	989·9 983·8	974 980 984 988 981
	21 22 23 24 25	988·7 991·7 991·9	988 · 4 991 · 6 991 · 8	988·1 991·6 991·5	987.9	987·9 991·7 991·6	987·9 992·1 991·9	988 · 3 992 · 3 992 · 0	988 · 6 992 · 2 992 · 0	988 • 4 992 • 1 992 • 0	988·4 992·1 991·8	988·4 992·1 991·3	992·3 990·8	988·1 992·3	987 · 8 992 · 4 990 · 1	1992+1	988·1 991·7 989·6	988·3 991·9 989·0	988 · 6 991 · 9 988 · 9	989·3 992·1 989·1	990 · 0 992 · 5 989 · 2	990·6 992·7 989·8	990 · 0	991·3 992·4 989·8	991·4 992·6 989·6	984 988 992 990 986
	26 27 28 29 30	982·6 991·4 000·8	982 · 4 991 · 4 000 · 3	982·1 991·7 999·9	982·3 992·5 999·6 992·3	982·3 993·1 999·1	982 · 7 993 · 5 998 · 9	983·1 994·4 998·8	983·3 995·0 998·5	983·9 995·6 998·3	984·1 996·8 998·1	984 · 5 997 · 1 997 · 4	985·1 998·0 997·0	982·4 985·2 998·1 996·2 994·2	985 · 8 998 · 2	1986•1	986 · 6 998 · 4 995 · 2	987·4 999·0	988 · 2 999 · 4 994 · 0	988 · 7 999 · 9 993 · 8	989·2 000·1 993·7	990·2 993·9	993.9	000 · 8	001.3	968 968 996 996 998
Mean Station	Level)	981	981 •45	981 •23	981 -16	981 -20	981 •26	981 •35	981 -39	981 •39	981 •37	981 •24	981 •24	981	981 •24	981 •18	981 •07	981 •06	981 •16	981 •33	981 •54	981 •85	981 •95	981 •94	961 •92	98
Mean Sea Le	rel)	1010	1009 •87	1009 •65	1009	1009	1009	1009 •57	1009 •53	1009 •44	1009 •38	1009 •17	1009 •11	1009	1009 •11	1009 •07	1008 •94	1008 •95	1009 •10	1009 •34	1009 •66	1009 •08	1010 •27	1010 •29	1010 •31	100
(Hour J. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20-	21	22	23	24	Men

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.

173. ESKDALEMUIR: Hb (height of barometer cistern above M.S.L.) = 237.3 metres

JULY, 1935

		_	T] .	T		Г
	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mea.
1	Day	mb	mb	mb	mb	mb	mb	mb	mb coc.o	mb	mb 989·6	mb	mb 988•8	mb	mb	mb	mb 987•6	mb	mb	mb	mb	mb 986 - 4	mb 986•1	mb 985 - 8	mb 985 • 7	mb 988
1	1 2	991 · 8 985 · 4		990 • 8			990.2			989·7 984·8			984 - 8	984 • 9	985-2	985 • 4	985 • 9	986 • 4	986 • 8	987-4	987.8	988 - 3	989-0	989-3	989 - 5	985
	3	990 •		990.5	991.2	991.8	992-4	992.6	992.9	992 • 7	992 • 7	992 - 8	992-5	992 • 1	992-1	991.6	991.3	990-9	990-1	1989 • 7	1989-0) 988 · 1	987 • 7	987 • 1	986 • 6	990 987
	4	986 • 1		985-8	985·2 985·2		985·8	986 • 5	986 - 6	987·3 985·8	988 • 4	988 • 9	988·8 987·1	989.0	989.1	989 • 2	988 - 9	988.3	988 - 9	989 - 5	989.3	989 6	980 - 3	991.0	987·0 991·3	981
	5 .	986.6	986.5	986.0	965.2	900-0	905-0	500-5	505-1	303 0	200 .	300 3	100. 1	1	1	1	1	ŀ	1	t	i	1	ł	1		1
-	6	991 • 4		991 • 4		991 • 4	991.5	991.9	992 • 5				993-2	993.3	993.3	993.3	993.3	993-4	993.7	993.9	993.9	994 • 3	994-6	995 • 0	995 • 0 996 • 0	99 99
ł	7 - 8			995.3		995.6	995.9	995.4	996 • 4				996 • 3	993-6	993.0	992.5	992.2	992-0	991.6	991 • 4	991.3	991.4	991.3	991 - 3	991.1	99
1	9	agn.c	990.6	990 - 3	990+3	990 - 3	990 • 3	990 • 3	989 • 9	989 • 5	989 • 4	989 - 3	989 • 1	988 • 8	1988 • 8	988 • 3	988-0	988 • 0	988-1	988 - 2	988 • 1	. 988 • 2	988 • 2	988 - 2	988 - 1	98 98
i	10	987-9	987.7	987-5	987•3	987-1	987.3	987•7	987-4	987•6	987•7	988-0	988-4	988 • 7	989 • 1	989-4	990.0	990-4	990-9	991.4	992.0	992.7	993.3	993.0	994-1	90
}	11	994 • 6	994 - 8	995-3	995.5	995-8	996 • 0	996 • 4	996 • 5	996 • 5	996 • 7	996 • 8	996 • 8	996 • 8	996 • 8	996 • 6	996 • 5	996 • 4	996 • 4	996 • 4	996 • 6	997-0	997-1	997-2	997-1	99
	12	997 • 0	996 - 7	996 • 4	996 • 2	996 • 1	996.0	996 • 0	995 • 9	995 • 6	995.5	995-1	994 • 9	994.4	993-9	993.5	993.3	992.7	992-6	992.6	993.1	993.2	993.3	993.5	993·3 994·6	99 99
Level-	13 14	992-9	992.7	992.4	992.5	992.5	992.0	993.1	995.3	994 • 9	995.1	995-6	992 • 4 995 • 8	996.2	996 - 7	996 • 7	996 - 8	996-9	996 • 8	997 • 0	997-0	997•2	997-2	997 • 1	996 - 8	99
ž	15	996 • 4	996 - 2	996.1	995 · 8	995.6	995.1	994 • 9	994 • 6	994.0	993-2	992-9	992-6	992-3	991.9	991.8	991.7	991 • 4	991-3	991 - 3	991.5	991.5	991.3	990 • 9	990-8	99
Station	16	990-3	990.0	989 • 5	080.4	989.5	980.3	989-4	988+9	989+1	988 • 7	988 • 8	988-7	988 • 7	988+3	988-2	987-6	987-3	986 • 7	986 - 7	986 - 5	986 • 1	985.7	985 • 4	985-3	98
Sta	17			983.9		983.6		983.4	983 • 3	983•3	983.3	983-3	983-3	983-0	982 • 8	982 - 9	983.0	983-0	983-1	983-2	983-0	983•0	983.0	983-0	982-6	98
Ĩ	18	982 - 3	981 • 6	981 • 4	981.0	980 • 8	980 • 5	1 980 • 0	1979•7	1979 • 2	1978•9	J 978 • 7	1978·T	977.9	977-7	977-4	977.1	977.1	977 • 2	977.3	977.4	977 - 8	977.7	977-9	977·9 968·4	97 97
1	19 20	977 • 6	977 • 5	977.4	977.2	977-2	977.1	968-6	969 • 1	976.4	969.9	970.4	974·8 971·0		972.6	973.2	974.4	975.3	976 - 5	976.9	978 • 4	979 - 6	980.8	981.5	982 - 2	9
- 1		1	1	1	1	1		1		1	1	l	1	1		1	1		l .	1	į.	i	1	l	1	98
}	21 22	982 - 9	983-3	984·0	984.3	984 • 9	984.9	985 - 8	986 • 0	986 • 6	986 .8	987.3	987.7	988.2	988.9	989 2	989 • 2	989.4	989.7	990 • 1	990.3	990.7	994.8	994 - 9	992·0 994·8	99
1	23	994 - 6	994 - 5	994 - 4	994 • 4	994 • 3	994 • 3	994 • 4	994 • 4	994 • 4	994 • 1	994.1	994 • 0	993-8	993-8	993-6	993-6	993-5	993-7	993.8	993-8	994-6	994 • 8	995 • 1	995 - 2	99
Į	24	995 • 4	995 - 5	996 • 0	996 • 4	997-1	997.6	998 • 0	998 • 4	998 • 8	999-1	998-9	998 • 7	998.6	998 • 6	998 - 7	998 • 6	998 • 6	998-6	998 • 7	998 • 8	999 - 2	999.1	999 - 1	998 - 8	99 99
ı	25	998 • 5	998•1	997.6	997.5	997.4	997.3	997-1	996.9	996.7	996.3	996.0	995.7		1		1		1	1]	1	l	1	l
1	26				992-9	993-0	993-2	993-2	993-1	992.8	993-2	993-1	992 - 7	992.5	991.7	991.6	991-4	991 .2	991 - 1	990 - 6	990 • 2	989 - 7	988 • 9	988 • 5	987·6 982·7	99 98
1	27 28			985·8 983·1		985.0	984.9	984 • 4	984 - 2	983.5	983.0	981.9	981·4 985·5	980-6	980.3	980 - 7	980 4	986 - 8	986 - 7	986-6	987-1	987-3	988 · 3	988 • 4	988 - 6	98
1.	29	988 • 9	988 • 9	989 3	989 • 5	990 • 3	990 - 7	990.8	991 - 3	991.5	991.9	992.0	992.2	992.2	992-2	992 • 4	992-6	992 • 7	992-7	1992-9	1993-1	∐ 993• 7	1994 • 0	l 994 · 1	994 - 2	99
1	30	994 • 4	994 - 3	994 - 5	994 • 7	995-1	995 • 4	995-3	995 - 3	995 • 4	995 - 2	995 • 1	995-1	994 • 9	994 - 8	994 • 7	994 • 7	994.5	994 - 2	994 - 1	994 - 3	994.7	995∙1	995 • 4	995-4	99
\downarrow	31	995 • 3	995 - 3	994 • 9	994 • 9	994•9	994 - 9	995 • 0	995•0	995-1	995-2	994 - 8	994 - 8	994 • 4	994-2	993-9	993-5	993-2	993-1	992-9	992.7	992-6	992-8	992-6	992-8	99
Mean Station	n Level)	989 •8	989	989	989 •57	989	989 •76	989 •89	989 •87	989	989 •88	989 •84	989	989 •69	989 •63	989 •58	989	989 •45	989 •48	989 •55	989 •61	989 •81	989 •97	990	989 •97	٤
Mean	20.10_/	1018	-	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017		1017	1017	1017	1017	_	1017	1017	1018	1018		1018	10
Sea Le	vel)	•37												•55				·33	-41							
													٠.													
	,																								- 101	
174	. ESKD	ALEMU	IR:	H _b = 3	237•3	metre	95																,	AUGUS	r, 193	כי
	Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	шр	mb	mb	mb	mb	mb	mb	mb	mb	99
1	1 2							992.3						991.5	387.3	994 · 5	994 - 1	994.2	994 1	994 - 3	994 - 6	994 • 9	995.1	995 • 0	992-8	99
)	3	994 • 9	994 - 9	994 - 8	994 - 8	994 • 6	995 -0	995.1	995 • 0	995 • 0	994 - 8	994 • 7	994 - 7	994 • 7	994 - 5	994 - 3	994 - 2	994 - 3	994 - 3	994 - 3	994 - 7	' 99 4 ·8	994-9	994 • 9	994.5	99
1	4	994 - 3	994 - 1	994 • 1	994 • 1	994 • 0	994.0	994.2	994 1	993-9	993.7	993.7	993.5	993-5	993.3	993-4	993-6	993-8	993.8	993.8	994 • 0	994 - 3	994 • 4	994 • 6	994 • 9	9:
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	7 8	989 - 5	989-1	988 - 6	988 - 3	1988 - 1	987-8	987-6	987.4	987.4	987-1	986 - 9	995 • 4	986 • 4	986 • 4	986 • 0	986 - 0	985 . 9	985 . 9	985 • 6	985 • 8	985 • 7	985-6	985 - 9	990·0 985·7	9
	9	985 - 5	985 - 3	985.1	985 - 5	985 - 7	986.0	986.2	987.0	987.1	987-2	987.2	987-2	987-1	986 • 9	987.5	987.6	987-5	987.8	988-0	988 - 3	988 - 3	988 - 2	987 - 8	987-6	9

21 22 23 24 25	986·9 982·7 984·7 989·1	986·5 982·7 984·3 989·4	986·3 982·8 984·2 989·5	985 • 9 982 • 9 984 • 3 989 • 5	985 • 7 983 • 0 984 • 6 989 • 7	985·7 983·2 984·9 990·1	985·5 983·4 985·1 990·3	985 · 3 983 · 4 985 · 4 990 · 8	984 • 9 983 • 7 985 • 6 991 • 0	982·9 984·2 983·5 985·7 991·3	983·7 983·7 985·5 991·3	983·5 983·9 985·5 991·0	983·1 983·7 985·7 990·8	982 • 7 983 • 2 985 • 7 990 • 5	983·5 986·1 990·1	982 • 2 983 • 7 986 • 1 989 • 3	982·1 983·9 986·3 989·1	982 • 0 984 • 2 986 • 7 988 • 7	982 • 3 984 • 5 987 • 3 988 • 7	982-6 984-7 987-5 988-2	982 • 7 984 • 4 988 • 2 987 • 5	982 • 8 984 • 7 988 • 5 986 • 9	982 · 8 984 · 5 988 · 7 985 · 7	982·7 984·6 988·7 985·0	984 · 9 984 · 0 983 · 7 986 · 0 989 · 4
26 27 28 29 30	984·0 967·1 969·1 970·1	983·2 966·7 969·4 970·3	982 · 2 966 · 5 969 · 6 970 · 4	981·1 966·1 969·5 970·8	979·9 966·3 969·6 971·0	978 · 6 966 · 7 970 · 0 971 · 5	978 • 4 967 • 0 970 • 2 971 • 8	977·9 966·9 970·7 972·3	977 • 4 967 • 1 970 • 8 972 • 6	976 · 8 967 · 6 970 · 8 972 · 8 973 · 5	976 · 2 967 · 5 970 · 5 973 · 0	976 · 2 967 · 5 970 · 4 973 · 3	976 · 2 967 · 6 970 · 6 973 · 6	975 · 7 967 · 6 970 · 8	ŀ.	973·9 967·9 970·5	972·6 967·8 970·4 974·9	971 · 8 967 · 9 969 · 8 975 · 0	970·3 968·2 970·2 975·4	969·6 968·6 970·5 975·4	968 • 6 968 • 8 970 • 7 975 • 3	968 · 3 968 · 9 970 · 5 975 · 3	967 · 9 969 · 0 970 · 5 975 · 4	967·5 969·2 970·0 974·7	975 · 8 967 · 6 970 · 2 973 · 2 973 · 6
31 Mean (Station Level)	973-9 986	9 7 3-9 986		973·9 985	974·3 985	974·6 985	975·1 986	975 · 4 986	976 · 2	976 • 4 986		1		977·8 985	978 • 0 985 • 96		1				980 • 1 986	980 · 4 986		1 1	977·0 986 •04
(Station Level)	·32 1014	·15	·97	·85	·82	·93	·04 1014	·13	·18	·11 1014	-99 1013	-00 1013	·03	1013	·96	·87 1013	<u>-80</u> 1013	·82	·97	1014	1014	1014	1014	1014	1014
(Station Level)	•32	•15	·97	·85	·82	·93	·04 1014	·13	-18	·11 1014	-99 1013	-00	•03	1013	·96	-87	-80	-82	•97	•17	·22	·25	•20	-07	•04

175. ESKDALEMUIR: Hb (height of barometer cistern above M.S.L.) = 237.3 metres

SEPTEMBER, 1935

	Hour G. M. T.	1	2	3	4	5	6	7	8	-9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	М
4	Day	шb	mb	ab	mb	mb	m)b	шþ	mb	шb	mb	щb	mb	mb	mb	mb	mb .	mb	mb	mb	mb	mb	mb 074-7	mb 073.9	mb 072.1	9,
	1	980 • 7	980 - 8	981-1	981.2	981.3	981.5	981.5	981.5	981 - 7	981.6	981.4	980 • 9	980 • 7	980 . 5	979.7	979.1	978.3	977.6	977.2	976.6	975.0	079-0	373.0	079.4	9
. 1	2	972 • 0	971.0	970-3	970-0	969 • 6	969 • 4	968 • 6	967.6	966 • 8	966 • 9	967.2	968 • 1	969 - 5	970 4	971.3	972.9	077.4	077.4	277.6	079.0	277.0	977.6	077.1	976.9	9
	- 3	978 • 4	978-1	977.9	977-7	977.6	977.8	977.8	978 • 1	978 • 6	978 - 3	977.8	977.9	977.9	978.1	976.0	075-0	075.3	275.5	075.6	976.0	976 - 4	976.5	976-8	976 • 7	Ì
1	4	976 • 4	976-2	975-9	975.5	975 • 5	975 - 5	975-6	975.5	975.5	975.3	975.3	975.1	975.2	875.1	875.1	070-4	070.E	070.0	070-8	080.0	980.7	981 - 4	982.0	982.5	1
	5	•			1 .								•	978-4	1	i .	1					1		1	1	1
	6	983-2	983-5	984 - 2	984 - 5	985-1	985 - 7	986 • 6	987.5	988 • 0	988 - 5	988 • 9	989 - 3	989 • 6	989 - 9	990 • 1	990 • 5	990-6	991.2	991.5	992.1	992-5	992 • 7	992.9	993.1	Ľ
	7	000-4	000.4	002-6	1000-0	000-0	004.2	004.0	995.0	005.2	1 005 • 4	1005-2	1005 • 3	1 995 • 3	1995 • 1	1994 • 9	1994 • 9	1994 • 9	1999 • T	990.9	1990.5	990.0	טי זפפן	72712	320.0	
	8	996 • 5	996 • 1	995-9	995 • 7	996 • 2	996 • 3	996 • 5	996 • 5	996 • 4	996.1	995 • 8	995 • 1	994.9	1994 • 7	1 00A • 3	1994 - 1	1993.4	1993.	2244 . 3	994.4	1 334	994 0	994 0	224.6	1 4
	9	004-3	000-0	000.7	000.0	004.0	004-9	004.7	004.0	005.0	1 005 - 1	204.8	DOM .R	994.4	1004 • 3	1994 • 2	1994 • 1	1994 • 5	994 • 9	332.5	2.086	וסיפפעו	1 2 2 2 2 4	ו יספפן	0.000	1
	10	995 • 7	995-5	995•4	995-3	995 • 2	995 • 3	995-2	995.1	995 1	995-0	994 • 6	994 - 2	994.1	993.8	993-6	993.3	993.0	992-6	992.5	99%.3	aar.a	991.4	991-0	990-4	ľ
- 1	11	990-0	989 - 5	989-0	988-5	988 - 2	987-8	987.7	987-2	987-0	986 • 7	986 - 2	985-8	985 • 5	985 - 0	984 - 6	984 - 1	983.7	983-7	983-7	983-3	983-1	982 - 7	982 - 5	982-1	ľ
1	12	- 100	007 - 6	001.1	000.0	202.5	000.0	070.0	070.2	070.2	1078.5	1078.1	1077.6	1 Q77•A	1976•3	1975 • 9	1975 • 7	14775 T	2/4 · 5	974.3	314.5	9/3'0	12161	ם ידום	017.7	
	13	070.7	070.5	070.7	077.2	079.9	072.8	072.2	974.1	974.9	1974 • 7	1974 • 9	1975 • 2	975-8	1976 • 0	1978•1	1975•9	1975 9	1976 • 01	975.7	212.1	910.9	310-6	314.1	1012.7	
- Payor	14	072.1	070.7	071-0	070.0	000.5	20.0	070-0	070.2	060.0	068 • 0	മരംവ	1060.5	97n•n	197n•3	1970 • 8	1971 • 2	1971.3	1972•21	9/2-9	973.1	1913141	213-3	וייטוקן	1913.0	
		973-3	972-8	972-1	970-7	969 • 6	968-6	967-6	966.1	964 • 8	963-8	962-9	961.9	961.5	960-7	960.1	960 • 0	960+0	959•8	960 • 0	960・3	960-4	960 • 7	961.1	961.1	ľ
Station	16	و. روه	061.9	060.0	080.9	060-1	960.4	960.5	960.7	981-1	967.9	961.5	962-0	962-2	962 • 0	961-8	961-1	960 - 4	959-9	958 - 3	956 • 5	953-1	950 • 0	947-4	945.5	ŀ
	17	042.0	040.0	040-4	043.0	049-3	049.4	049.0	042.5	045.4	047.9	2.010	081.1	952+4	953-8	955 - 3	956 -5	957.6	958 • 6	959-8	960 - 4	961-4	962 • 2	962 - 7	963-4	1 9
ำ	18	064.0	004.0	044.5	ORE - O	045.7	066.4	087.4	049.4	aga.A	1 970 • 0	1970 - 8	1971 • 5	972.4	1972 • 8	1973-1	1973.5	1973•4	1972 • 71	972.0	A1T.2	ופיעסע	300 0	800-0	1 200 2 . T	
ĺ	19	960.2	958 -0	955-9	954 - 9	954-6	956 • 0	956 - 7	956 • 6	957.4	958 - 1	958-1	958 - 5	9 6Ω•1	1961 • 0	1962-7	1964 • ()	1965 • 4	966 4	769 .01	AOA.T	370.51	A10.0	A1T.4	217.2	
	20	972-6	973-4	974.0	974.5	975-2	976 . 5	977 - 5	978 • 4	978 - 9	979 • 5	980 - 2	981.3	981.8	982 • 4	983-1	983-9	984 - 8	986 - 2	987-0	988 2	989-1	890-0	990-6	991-2	1
									000.3	000.0	000.0	000-0	200.7	009.2	001.0	991.1	990.7	990-5	989.7	989 - 4	988 - 5	988-0	987 • 1	986 • 5	985 - 4	L
	21	88T-4	99X-T	AAT.A	992.5	998.3	998.3	992.7	992.T	993.0	992.0	992.0	992 • 7	977.4	077.7	077.0	077.8	978.0	978 -0	978 - 3	978 - 7	978 - 8	979 - 1	979 - 4	979 - 7	1 9
- 1	22	803.8	90% 0	900.9	900-4	9/9.0	810.0	9/0.1	977.5	000.5	000-0	002.7	002.1	983.5	083.6	083.8	084.2	984.8	985-1	985 - 5	986-1	985-9	986 - 1	986 - 1	985 • 9	1 9
1	23 24	919.0	9/9-8	919.9	313.2	900.0	200.0	002.2	801.9	902.0	001.0	001.9	000.2	979.2	977.7	977.0	976 - 5	976 - 3	976 - 5	976 - 7	977-1	977-6	978 - 4	979 - 1	979 - 3	1
	24 25	980 - 3	980 - 6	981.2	982.0	982.7	983-5	984.4	984.8	985.1	985 • 4	985.4	985 • 7	985.9	986 • 4	986 - 9	986 • 8	987-5	988 • 1	988 • 6	988-9	989 • 4	989 • 7	989 • 4	989-4	P
														005.0	004.3	002.0	000.0	099.4	9-1-9	081.5	981 • 0	980+0	979 - 3	978 - 7	978+3	ı
	26	989.7	989 • 4	989 • 4	989 • 4	989 • 1	988.6	988.5	988 • 2	988.1	987.4	986.8	986.6	985·3 979·7	904.3	070.0	002.0	080.4	981.0	981 - 3	981-6	982.0	981 - 7	981 - 6	981 . 2	ı
	27	978.1	977 - 7	978 • 0	978.0	978 · 3	978 • 4	978 • 6	979.2	979.7	979.5	979.6	979.5	972.8	979-7	072.0	074.6	075.0	075.0	977-3	977-6	978 - 3	978 - 6	979-0	979 - 4	1
-	28	981.3	980 • 7	980-0	979-5	978 - 7	978 - 2	977.5	976.5	975.4	974.3	973.3	973-0	978.9	079.3	977.8	077.0	976.9	974.9	974 - 3	973.7	972 - 2	971.3	969 - 5	968 - 8	Ł
J	29 30	979.4	9/9-7	979-0	979.0	880-0	960.5	900.0	900.0	900.4	960 - 2	960.0	085.4	965.3	085.5	985-6	965 - 8	965-8	965-4	965 - 3	965-0	964 - 7	963-9	963-4	962 - 5	1
•	3 0	800.4	800.5	801.0	801.4	800.1	900-X	802.9	803-0	805-0	905-1	300.2	303-4	500.3	1000	1500 0	000	000	-							ı
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n		978	978	978	977	977	977	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	Г
	on Level)	•57				·81	95		•15			16		•31	•27		•40	•52	•64	-87	•97	•86	-68	•45	•17	L
n		1007	1006	1006	1006	1006	1.006 .	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1007	1007	1007	1007	1006	1006	
	evel)	•00					•44		•44				<u>•15</u>	•25					•80		•30				•61	1

1/0.	ESEDALEMOIN:	ть =	25/10	metres

OCTOBER, 1935

Hour G. M. T	1	2	3 .	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	. 24	150
n Level)	1004 •55	1004 •41	1004 •29	1004 -23	1004 34	1004 •43		1004 •56	1004 58		1004 •23	1004 •00	1003 •77	1003 •63	1003 •55	1003 -60	1003 •87	1004 •10	1004 •28	1004 •39	1004 •43	1004 •50	1004 -63	1004 •63	10
an ation Level	975 •92	975 •78	975 •65	975 •59	975 •69	975 •76	975 •87	975 •95	976 •06	976 •00	975 •85	975 •66	975 -48	975 •34	975 •25	975 •25	975 •47	975 •63	975 •77	975 -8 6	975 •89	975 •92	976 •03	976 •01	Ů
↓ 31	955 - 2	955 • 4	955•3	955 • 5	956 • 5	956 - 7	956 • 7	957-1	957 • 7	957.•7	958•0	957-6	957-6	957-3	957-5	957-8	957•9	958•3	959-0	959•1	959-8	960 • 5	962 • 1		
30	972.6	972.0	971-4	970-9	970 - 2	969 - 2	967-4	965-2	962 • 6	960-6	958 • 3	956 • 9	956 · 3	955 · 7	954-8	954 • 0	953-8	953.0	954 - 1	953-4	953-6	954.0	954.4	954.9	ľ
29	979 • 7	979・3	978 - 4	977 • 5	976 - 6	975 • 4	974 - 4	972.9	971.7	971.4	970-6	970-0	970-1	1969 • 7	1970 • 5	971 • 5	972 • 2	1973∙ 0 I	973•0	973-2	973-4	1973-3	973-0	1973.5	1
27 28	074.5	978.2	977.1	078.8	1 0RA - 7	987.2	0.190	092.7	984.5	085 .4	Q85.6	985.9	974·3 985·7	1985 • 6	1985+0	1984 • 9	984 • 6	1984 • 4	983-6	982.7	982.5	188T.8	188T.9	300.4	ŀ
26	990 - 7	990-6	990 • 3	989 • 5	989 - 3	989-2	989-1	989-1	988 - 7	988-0	987 • 3	986 • 7	985-3	984 • 6	984 • 1	983 · 3	983.5	983-7	984 • 0	984 - 2	984 - 1	983-8	984 - 1	983-9	
25	986 • 1	986 • 0	986-2	986 • 4	986 • 8	986 • 9	987.1	987-8	988 • 0	988 • 2	988 - 2	988-6	988 · 5	988.9	988 • 9	989-2	989-7	990 • 3	990・4	990-6	990-9	990-7	990-8	990.4	l
23	975 • 7	975 - 9	976 • 4	977-1	977 - 9	978 - 4	979-2	980.1	980 - 8	981 • 4	982.0	982.6	982.8	1983-2	1983 • 5	1983-9	984 • 4	984 • 7	985 - 2	985 • 5	985-6	985-6	985.8	1986.0	Ľ
22 23	084.0	9 • 180	985.0	985.4	985 - 5	984 - 9	984.9	985 - 3	985-2	984 • 9	984 • 8	984 - 3	983·9 975·8	1983-9	1983-8	l983·7	983.7	984 • 0	983-9	1984 • 0	983.9	1983-6	1983 · T	982.7	1
21	984 • 5	984 - 3	983-9	983-9	983-6	983-4	983-6	983-4	983-4	983-0	982-1	980 • 3	979-3	979-0	978 • 6	979 - 5	980-9	981.5	982 - 4	983-3	983-7	984 - 3	984 • 6	985-1	ı
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3	xo	958 • 9	957-9	956 • 7	956:4	956 · 3	956 • 4	956 • 7	957・3	957 • 6	957 • 8	958 • 2	957•7	957・4	957-2	957-3	957・3	957-4	957.5	957 - 7	958 • 0	958 • 3	958 • 4	959-1	959•3	8
↓ з	31	959.5	960-2	960 • 3	960 • 5	960 • 4	960-0	960 • 1	959 - 7	959-6	959-4	958-5	957.5	956 • 5	955.9	955•3	955.5	955-6	955-8	956-3	957.2	957.7	957-9	958 - 1	958•3	L
n		972	972	973	972	972	972	973	973	973	973	973	973	972	972	972	972	972	972	972	973	973	973	973	973	I
tion Le	evel)	-87	•96	•01	•97	•90	•91	•08	•35	•58	•70	•57	•23	-89	-69	•72	•73	•71	•79	.93	-08	•18	•26	•33	-39	Ļ
n'		1002	1002	1002	1002	1002	1002		1002	1002		1002	1002		1001				1001	1002		1002	1002	1002	1002	1
Level)		•00	•11	-17	•14	-09	-09	•26	•55	·78	<u>⋅84</u>	•63	•23	•85	:65	•72	-80	-80	•90	•04	•19	•29	•36	•45	•53	╀
Ho G. M	ur I. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	M

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.

179 ESKDALEMUIR: h_b = 237.3 metres

1935

Hour G.M.T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	, 23	24	Mean
Station Level		mb 962•51	mb 982•37	mb 982• 2 7	mb 982•26	mb 982•32	mb 982•44	mb 982•54	mb 982•65	mb 982•64	mb 982•57	mb 982•46	mb 982•34	mb 982•23	mb 982•17	mb 982•15	mb 982•20	mb 982•32	mb 982•48	mb 982•63	mb 962• 73	mb 982•77	mb 982•75	mb 982•67	mb 982•46
Sea Level	011-52	011-39	011-27	011-16	011-15	011-18	011-24	011-27	011-31	011-22	011-07	010-81	010•76	010-64	010•59	010-60	010-70	010-89	011-12	011-35	011-50	011-53	011-58	011-52	011-15

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

180 ESKDALEMUIR: $h_b = 237.3$ metres

1935

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	1,5	16	17	18	19	20	21	22	23	24
Jan. Feb. Mar.		mb +0·11 +0·36 -0·08	+0.09		-0-38	mb -0.08 -0.39 -0.24	-0.41	-0•34	-0.10	mb +0 • 09 +0 • 06 +0 • 75		mb +0-26 +0-08 +0-44	-0.06	-0-20	-0.28	mb -0.37 -0.21 -0.45	-0.51	mb -0.21 -0.16	mb -0.03 +0.06 -0.20	+0.025	mb +0•09 +0•29 +0•23	+0.27	+0-42	+0-47	+0•4
Apr. May June	993-51		+0.28	+0+18	+0.13		+0.28	+0-39		-0·18 +0·43 +0·02		+0.10	-0.09		-0-43	-0.69	-0.77			-0•49	+0•55 -0•15 +0•10	+0.20	+0.36	+0•38	+0-4
July Aug. Sept.	986 • 04	+0 • 13 +0 • 09 -0 • 06	-0-06	-0·13 -0·22 -0·55	-0-32	<u>-0·34</u>	-0.21		+0.02	+0+09	+0 • 15 +0 • 04 -0 • 19	-0.06	+0.04 -0.04 -0.16	0.00	-0.02	-0.03	-0.11	-0.18	-0.13	+0+04	-0·12 +0·26 +0·83	+0-32	+0.37	+0+33	+0 - 2:
Oct. Nov. Dec.		+0·20 +0·20 +0·01	+0.09	-0.08 -0.09 +0.11	-0.50	-0-30		-0-30	-0.18	+0.33 -0.02 +0.57	+0 • 07	0.00	-0-12	-0.23	-0·40 -0·29 -0·41	-0·49 -0·32 -0·40	-0.17	-0.04	-0·12 +0·04 -0·39	+0.14	+0.31	+0.51	+0 • 49	+0•46	+0•3
Year	982-46	+0•15	+0.02	-0-12	-0.22	-0-22	-0-16	-0.04	+0•06	+0•18	+0•17	+0•10	-0.01	-0.12	-0•23	-0-29	-0•30	-0-25	-0•13	+0•03	+0 • 19	+0•30	+0 • 34	+0•32	+0•2

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

181 ESKDALEMUIR: $h_b = 237.3$ metres

1035

Month	Je	n.	Fe	eb.	Me	ır.	Ar	or.	Ma	ı y	Ju	10	Ju.	Ly	A	ıg.	Se	ot.	0	ct.	N	ov.	I	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.	h
	mb	mb	mb	mb	mb	шb	шb	шþ	шþ	mb	mb	mb	mb	mb	mb	mb	шр	mb	mb	mb	mb	mb	шþ	T
1	993-6	985-9	984-8	970 • 7	969-4	959-1	987-4	980-2	994 • 3	992-0	987-8	982-9	992-3	985 • 7	992-9	291.0	981.7	973-1	972 - 2	958 • 9	980-6	963-7	947-2	ءِ اء
2	003-6	993-5	986 • 5	969 • 1	985 • 1	969-4	990 • 7	987-4	992-5	988 • 4	982-9	975 • 9	989-5	984-3	995 1	992.8	978-4	966-6	971.2	951.3	983.0	975-7	954 • 2	
3	003-5	993-3	986 - 5	976-6	990-3	983-8	991-9	982-0	988 • 4	984-9	976 - 8	974-6	993.0	986 • 6	995-2	994.2	978 - 5	976 • 9	961-1	949-6	983-1	972-8		
4	995 • 6	992-1	983-2	978-0	995 • 3	990-3	982-0	974-2	989 • 7		976 - 8	972 • 4	989-5	985 • 2			976 • 9	974.9	964-4	961.1	973-8	972-4		
5,	994•8	987-2	980•6	971.9	998•3	991-2	974•7	969-4	996•0	989-3	973-3	970-4	991-4	985-2		994.7	982-5	976 • 7	970 • 4	963-1	973-3	969-5	977•3	
6	991-0	987-6	000 • 2	975-2	004-8	998•0	977-8	971-3	001.3	996 • 0	975-1	968•2	995-1	990-8	000-5	999•3	993•1	982-5	982-7	970-4	974-8	972-6	980-4	١,
7	996 - 3	990-9	001.8	0000	009-5	004.8	976-3	966 • 1	005 • 4		968+3	960 • 8	996 • 5		999-5	990•0	997-2	993-1	983 • 2	973-1	974-6	969-3	981-2	
8	996 • 7	995-4	000 • 8	997•4	012.7	009-1	972-2	965-6	006-1	002-9	987-4	965 • 4	996 • 0	991.1		985.5	996 • 8	993-8	973-1	966 • 8	969-4	964-7	982-1	
9	996 • 9	995.1	997-7	993-1	013.5	007-2	969-4	960-6	004.3	001-6	988 • 8	984 • 7	991-1	987.7		985 • 1	995-9	993-6	971-2	957-3	967-6	960-8		
10	995-1	989-6	993-8	989-6	007-2	003-4	961-1	950 • 9	001-8	998•0	984•8	972-2	994•1	987-7	987•6	984.3	995•9	990•4	972-9	956 • 6	975•3	967-5	011-9	9
11		970-6	989•6		011-5	004-9	976-3	953-2	998-7	995 • 1	972-6	964-6	997-2	994-1	984-3	980-0	990-4	982-1	983-9	972-8	975-6	965 - 7	011-5	ıl o
12	983-6	972-1	977•8	971.5	011.9	006 • 7	985 • 2	975-9	998•1	996 • 6	976 • 5	968 • 7	997•1	992.5	988 • 1	979-6	982-1	971-1	990-4	983 • 8	970-9	960-6	005+9) (
13		978 • 6	973-6	962-9	006 • 7	998-2	985 • 5	977-4	997-9	987-3	980•7	974.9	994-6	992-4	988-2	986 • 2	976 - 2	970 • 4	991.9	982-4	972-8	970-0	002-5	1 :
14	996 • 2		979-9		998 • 2		980-7	974-7	999-5	990-8	979-9	975 • 3	997•3	994.5	989•5	985 • 9	974.3	968 • 7	992-9	983-1	973-8	967-3	994 • 0) !
1.5	004-7	996 • 0	980•1	962-8	987-6	976-3	980-9	972-3	999-1	986 • 9	975•8	974•3	996 • 8	990•8	991-2	989-3	973-8	959•7	992-3	985 • 7	973 • 5	966 • 9	974•4	1
16	009-8	003-4	973-3	954-6	976 - 3	970-5	972-3	954-5	994-1	982-2	976 -2	973-8	990•8	985-3	991-1	989•4	962-4	945-5	994-1	986 • 3	969-1	967-0	974-1	١,
17	012-6	009+6	984-8	973+3	984 • 4	971.6	963 • 5	953.5	959-6	980-5	983.0	976 - 2	985 • 3	982-6	989-7	987.7	963.4	941.9	993.9	985 - 3	967-5	961-1	981-8	
18	014-1	012-4	983-1	971.5	986 • 7	984 • 3	973-3	963-4	985 • 9	983•3	989 • 9	981.1	982-6		988-4	987-0	973-6	963.0	992-1	961.7	972-8	962-0	984-2	
19	013.0	011-8	972-8	966 • 8	986 • 2	982-1	978 • 2	972-7	985 • 0	981.0	990 • 6	983 • 7	977-9	968 • 4	990-9	987-5	972-0	954.3	968 • 7	950-8	974 - 5	972-3	981 • 7	
20	013-1	012-3	966 • 8	951-2	986 • 6	979•4	977•8	970-6	996 • 2		983•9	980•2	982-2	967-9	992•3	988•8	991-2	971-9	985-1	968-6	979-4	973-7	980-4	
21	012-7	009-6	952•5	948-9	986 • 4	980-1	972-2	968-9	999-5	996-2	988-9	981-5	992•0	982-2	988•8	981.7	993-2	985-4	985-1	978 • 5	986•3	979-2	979-5	9
22	009-8	003-4	951.5	944.6	980-1	969 - 7	981-6	972-2	999•3	996 • 7	991.4	987 • 7	994-9	992.0	987.0	981.9	985 • 4	976 • 9	985 • 6	982-71		985 - 7	978-5	
23	003-6	998-8	959•0	944.6	977-4	968 • 8	994-2	981.6	997-0	995-2	993-2	991.4	995 - 2	993.5	984.9	982-5	986 • 3	979-6	982 - 7	974-6	990 • 3	988-6	978 • 5	1
24	999-6	967-3	959-0	945 - 5	992•3	977-3	995-6	994 • 0	998-1		992-6	988 • 8	999-2	995 - 2	988 • 9	984.1	986 • 2	976 • 2	986 1	975 • 4	991 . 3	989-5	973-5	1
25	967-3	948-5	967•7	944-2	990•6	987•3	998•0	995•2	998•3	996 • 9	989•6	984-2	998•8	993-4	991.5	985•0	989-9	979•3	990-9	985 • 9	991.1	976 • 4	958 • 5	1
26		956 •6	974-0	967•7	992-8	988•9	998•0	996 • 3	997•1	994•8	984•2	982-1	993•4	987-6	985-0	967-4	989-8	978 • 2	990-8	983-1	976 • 4	971-7	951.5	۱,
27			968-3	954.3	000-8	992•6	998-8	996 • 9	996 - 2		991 • 4	982-1	987-6		969-2	966 • 1	982-1	977.7	984-1	972-3	980-5	971-0	955-6	
28			959-1	952-9	000•7	996 • 1	999-0	997•7	994.5		001.3	991•3	988•8	982•7	970-9	969.0	981.3	972 • 5	986 - 1	974-1	972-0	961.6	966 • 4	
29		994.7			001-4	995•8	998 • 5	994.8	993•0	987•5	001.3	993 • 2	994-2		975•5	970-0	981.1	968 • 8	980 • 6	969 • 7	972-1	966 • 1	970-2	
30	994 • 7	985•3			998•8	987-8	994-8	991.8	988•5	985•8	994•3	992-1	995•5	994•0	974•7	972•7	968•8	962-5	973-2	952-9	966•1	943.7	960-3	1
31	987-6	984-6			987•9	981•8			988•1	966-8			995•4	992•5	980•7	973-7	•		963-7	954-9			960-7	1
Mean	998 • 34																							

182. ESKDALEMUIR: Louvred Hut: ht (height of thermometer bulb above ground) = 0.9 metres

JANUARY, 1935

Hour	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
G. M. T.	°A	°A	°A	°A	°A	°A	°A	° <u>A</u>	° <u>A</u>	°A	°A	O _A	O _A	o _A	°A.	O _A	°A	O _A	°A	°A	°A	° _A	°A	°A	°A
Day 1	78·5	79·1	79·3	79·9	80•3	30·1	79.8	79.8	79-6	79.7	80·0	80·2	80·5	80-8	81.0	81.3	82.3	82.0	81-6	82-0	82.5	82.6	82-2	82.6	80-7
2	82-7	82-8	83-1	82.9	83.1	83-1	83.2	83-4	83-6	83-5	83.7	83.7	83-7	83-8	83.6	83-4	82.9	83-0	83-0	82.3	81-8	82.6	82.6	82.6	83-1
3	83•3	82.6	82-8	82.6	82-2	81.8	81.6	81.3	81.0	80.7	80·6 79·3	80•6 79•8	80-6	80-6	80.5	78 • 6	78-0	80•4 77•6	81·6 75·8	80·3	80-6 75-4	80·7 75·1	80·4 75·0	79•7 75•2	81•2 78•0
4	78 • 9 74 • 6	79•0 75•5	78 • 4 73 • 9	78 • 5 75 • 0	78 • 8 75 • 3	78•3 74•1	78 • 3 75 • 0	78 • 2 75 • 2	78•0 75•7	78•6 76•1	78.5	76.7	80·0	76 • 7	79•3 75•6	73-8	72-9	74.3	74.6	73.8	73.9	73.6	73-0	73.6	74.9
ľ		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,]				10												
6	73•3	74-0	74 • 3	74.3	74.5	74.7	75.0		75-2	75-9	76 • 1	76 - 5	76 • 4	76.0	76.0	76.0	75-9	74.4	75 · 2 73 · 1	75 • 2 73 • 8	74-6	74·3 73·0	74.3	74·0 73·3	75•0 73•6
7	73·6	73·5 71·7	73•6 71•0	73•6 71•6	73·6 72·4	73·4 72·0	73·0 71·4	72·9 72·0	72·8 71·1	73·4 71·2	74-2	74·6 73·2	74.9	74.9	75•0 72•9	74.1	73.5	73•4	89-3	69-1	68-4	87-8	87.4	87.5	71.2
ğ	67-8	68-4	69-4	89-8	70-0	70-2	70-4	70-6	70-9	71.2	72-0	72-2	72-5	72-7	72-6	72-6	72.9	73-0	73-3	73-3	73-6	73-8	73-8	74-6	71.6
10	76• 0	77-0	77-4	77-4	77•7	78•0	77•8	78 • 1	78•3	78-4	78 • 5	78 • 7	79-1	79-0	79-2	79•3	79-4	79-5	79-6	79-6	79-3	78-9	78•7	78-3	78-4
11	78 • 3	78•3	78-6	78 - 6	78-6	78•6	78-8	79•0	79-4	79-4	79-1	79-2	78-1	76-9	76-4	76-1	75-6	74.2	74-4	74-1	73-7	73.7	72-9	72-9	77-0
12	72-9	72-9	72-3	71.9	72.0	72.5	72-6	72-6	72.5	72 - 7	73.0	73-3	73-4	73 • 2	72.7	72.6	71.5	71.8	70-5	70-6	70-4	71.2	71.4	71.8	72-2
13	71.0	69•2	68•6	67-6	68 • 2	68-3	68-4	68•3	68•5	69•4	70-3	70-4	70-4	71.7	71.4	71.3	71.8	72-2	72-3	72-8	73.4	73.7	74-9	77.3	70·8 80·2
14 15	78 · 0	77·1 80·1	78 • 5 80 • 7	78·5 80·6	79·6 81·4	80·2 81·6	80 · 2 80 · 4	80 • 2 77 • 8	80·4 77·4	80·9 77·8	81.8 78.9	81·9 79·3	82.0	82•6 80•6	81.8	81·2 79·0	80·5 78·0	80·1 78·0	80·0	78-0	80·4 78·3	80·2 78·7	80·3 78·7	80•3 78•4	79.3
13	80-7	80-1	80-1	80-0	01-4	01-0	00-4	110	111-4	1.1 - 0		" "	00.0	30 0	33 3	}		" "		1.5]		
16	78-0	78•0	78-0	78•3	78•3	78-9	78•8	78 • 6	78-6	78-6	78 • 9	79-2	78-8	79-3	79.3	79-1	79-1	78-6	76 - 5	76 - 7	75.0	75 - 4	77.0	76 • 3	78.1
17 18	75-6	75•7 77•6	75 • 0 77 • 5	74·5 77·6	74.6 77.4	72•8 77•5	72•1 77•5	71·4 77·5	71•7 77•6	72•4 77•6	74.4	76 • 6 77 • 6	78 • 2 77 • 4	78•3 77•2	78·2	77.7	77.6	77·4 76·3	77•4	77.4	77-4	77·5 76·2	77.6	77-7	75·8 77·0
19	76-0	75-9	75 - 8	75.7	75.6	75 - 7	75 - 7	75-6	75-9	76.3	76-3	76-4	76-4	76 • 3	76 - 5	76-2	76-1	76.1	76 • 0	76 • 0	76.0	75 - 9	75 -8	75 • 6	76 • 0
20	75 • 5	75 • 2	75•0	74-4	74-1	74.0	74-4	74-6	74-6	74.7	74-3	75 - 2	75 • 6	76 • 0	75 • 8	75 • 9	76 - 1	75 - 9	76 • 3	76-0	75-6	75 - 4	75 - 8	75 - 9	75•3
21	75 - 7	75 • 7	75 • 5	75•0	74-6	73•8	73•6	73•6	73-6	74.2	76 • 3	77-9	78•8	79-8	79-1	77-8	77-2	75•4	74-6	73-8	73-0	72-9	72-2	71-3	75 • 3
22	72-1	77.5	75 • 2	73.5	72-5	72.7	73-0	73-2	73-4	73-9	74.5	74-9	77-2	78 - 9	79-2	78-3	78-0	77-3	77-7	77-2	78-3	78 • 6	78 • 8	78 • 9	75 • 9
23	78 - 9	79-2	79•5	79-6	79-4	79-0	79-7	80-0	80-7	80-9	81.6	82-3	80.8	80-1	79.5	79-1	79-0	79·0 81·2	79·1 81·6	78 • 8	78·8 82·2	78 · 7 82 • 4	78 • 6	78 · 7 81 · 1	79•6 80•3
24 25	78 • 6 80 • 4	78•3 79•0	77•7	77•8 76•7	79•8 75•7	80·0 74·3	79·9 73·4	79·8 74·2	79•3 73•1	79-2	79•3 72•6	79•6 72•1	80·0 73·1	81·4 72·9	81·8 72·7	73.0	81·2 72·4	72.2	73.0	72-9	74.0	75.0	75 - 6	75.5	74.5
డు	80.4	18-0	1104	10-1	15-1	14-3	13-4	14.2	(3.7	10-2	12.0	1~-	''	120]	-		"						
26	74-2	73-9	73•8	74.6	74.6	74.1	74-4	74.5	74.3	74.7	74.9	74-9	74-8	74.6	73-4	73.9	73.5	73.3	72.8	72.3	72.3	72.4	72-4	72•4 67•5	73·9 71·6
27 28	72 • 2 65 • 5	72·0	71•7 67•0	71·8 67·0	71·4 66·6	71·1 66·5	71•4 66•8	71·2 67·3	71·5 87·9	72•2 69•1	72•5 70•4	73•0 71•9	73.1	73·3 72·3	73·0 72·2	72-3	71.3	71·0 72·2	71.3	72.7	73.1	70·5	73.2	73.2	70.0
20 29	73-7	74-6	74-4	75-6	75.9	76 - 1	75 • 8	75 - 7	75.8	75.2	77-2	76-6	77-7	78-1	77.8	75 • 7	73.4	71.7	70-5	70-3	69-5	69-7	71.8	72-3	74 • 4
30	73.0	73.9	74.7	74.0	74.6	74.4	74.4	74.4	74.7	75 • 2	75 • 0	75•7	76•0	78•6	79・3	79•7	78 • 6	79-4	78-6	78•3	77-8	77-1	77•3	77-1	76-2
31	76 • 4	76-5	76 • 6	76 • 4	76 - 2	76 • 1	76-0	76•5	76 • 5	77•4	78•6	78•9	78 • 7	78•3	78-4	77-5	77-4	77-2	76-9	77-6	77-6	77-4	77-3	77-5	77-2
Mean	75-7	75•8	75 - 7	75•7	75•8	75-6	75-6	<u>75·6</u>	75 • 6	75 • 9	76 • 5	76 • 9	77•1	77-4	77-2	76 • 7	76 • 3	76 - 1	75 - 9	75-8	75 • 7	75 • 7	75 • 8	75 • 8	76•1

183.	ESKDALEMUIR:	Louvred	Hut:	ht =	0.9	metres

	1075
FEBRUARY,	1935

											,					-	_						_		
Day	o _A	VA.	OA:	o _A	o _A	O _A	°A	O _A	O _A	Αo	O _A	O _A	°A	O _A	OA.	OA.	OA.	°A	OA.	°A	A°	A°	ο _Λ	°A	°A ·
1	78-1	78-0	77-9	77.7	77-2	77-2	77-4	78-4	79-3	81.2	81.7	82-0	82-2	82.3	82-6	82-6	82-8	82-5	82-6	82.9	82-8	82.5	82-2	82-4	80-6
2	82-8	82.5	82-1	80-6	80-1	79-2	78-3	78-2	76 - 7	77-4	77-6	77-2	7 6 • 7	77-9	77-1	76-5	75-6	75 • 8	75-2	75 - 2	75 • 0	75-0	73-4	72.5	77•7
3	71.2	70-2	71.3	71.7	72.2	73-8	74-3	74.3	75 • 4	75-8	76 - 3	76-8	77-0	77-1	77.5	77-7	77-5	77-2	76-9	76 • 4	76 • 7	76-6	76 - 5	76.5	75 • 2
4	76-4	76 - 7	76 • 7	75 - 5	75 - 8	76 • 0	75-8	76.0	75 • 9	76 - 3	76 - 8	77-4	78•0	77-7	77.9	77-6	77-3	77-3	76-7	75-6	74-9	75-1	75 • 0	74.9	76 • 4
5	75 • 3	75.0	75 • 7	75-5	75 • 6	75 - 7	75 • 5	75-1	75 - 5	76-6	75-3	74.5	74.1	73-6	73-9	74-0	73 - 7	73-6	73.5	73.3	73-2	73-2	73-9	74.2	74-6
								1						1	1	ĺ	1						l .		(l
6	74-4	74.6	74.4	75-0	75 • 0	74-4	74:3	74.0	74-1	74-7	75 • 7	75 - 1	75•3	75 • 3	76.0	74-7	73-8	72-6	72-3	70-9	70-6	70-1	70.5	70-6	73•8
7	71.2	71.4	71.3	71.4	71-3	69-6	68-2	67-0	69-1	70-6	73.0	75-0	76•0	75-6	74-7	75 • 0	72.6	71.2	71-1	70-8	71-2	71-2	71-1	71.5	72.7
8	72-3	72.6	72.3	71.4	71-0	71-6	71-4	71.4	71.7	72-2	73-2	75 • 0	75 - 8	76 • 4	76 - 6	75 - 8	75 • 0	74-6	73.8	73-6	73-5	73-6	73.3	72.5	73•3
9	72-6	72-8	73.1	73-1	73-2	73.3	73-3	73-6	74-0	75 • 0	76 • 7	77-8	77•7	77-8	77-7	77-6	77-0	77-4	75 • 7	74.2	74.2	74-0	75.6	77.0	75 • 1
10	76 - 1	75 • 6	75 - 1	75 • 0	74-8	74-6	74.7	74.7	75 • 0	75 • 4	76 • 6	78•3	78•3	78 • 2	77.7	77-4	77•0	77.2	77-2	77-2	77-2	77-2	77-4	77-6	76 • 5
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11	77•7	77.7	77-9	78 • 4	79•0	79-4	79-6	79.4	79-8	80-0	79-4	79-3	79-6	79-2	78 • 8	78 • 6	78 • 6	78 • 7	78-6	78 • 8	78-9	78-9	76-9	79-2	78-9
12	79•3	79-2	79-6	80-1	80+0	79-8	79•6	79.5	79-3	79•5	79-6	79-9	80•0	79-6	79.5	79-3	78 • 8	77-3	76.5	74.4	75 - 3	76-6	77-4	77-9	78-7
13	77-9	77-8	77-9	79・3	79-3	79-3	79•3	79・4	79-6	79-6	80-2	80.7	80•5	80-4	80.3	79-9	79.2	78 • 8	78-6	78 - 7	79.5	79-5	79-4	80.0	79-3
14	79.1	78 - 7	77-6	77-4	76 • 7	77-4	77-7	77-0	76 • 3	78•3	78•5	78 • 9	79-1	79-1	79・4	78.0	77•4	77-2	76 - 7	76 • 2	76 • 6	76-6	77.3	77-7	77•7 79•7
1.5	77-1	76•8	77-1	77-1	77-6	77•7	78-0	78•3	78-7	79•0	78 - 7	79-0	79•3	80.0	80.6	81.3	82-3	83.6	83-6	83.1	82-2	82-1	81.0	81-0	79.7
			l	1			l					l			١		00.7			77-3	76 • 4	76 - 5	76-0	76-3	80-5
16	80•7	80•4	80.5	82.0	83-0	83-3	83•3	82.8	82-8	82•3	82.4	82-8	82.9	82.3	80-4	80-5	80.1	77-2	77-8 80-0	79-8	80.0	80-0	80-2	80-2	78-8
17	76 • 7	76 • 8	77-4	77-7	77-8	77-8	77-4	77-3	77-7	78 • 2	78-6	78 • 9	79•3	79-8	80-0	80-4	80.2	80-0		80-6	80-8	80-8	80.9	81.7	80-1
18	80-2	79-9	79-8	79-4	79-4	79-4	79-4	79-6	79・3	79・3	79-4	80-0	80.5	80-2	80.2	80-4	80.5	80-6 77-9	80·6 78·0	78-0	78-0	78-6	79-4	80.0	80-0
19	81.5	81.6	81.0	80-9	80 • 4	80-3	80.0	80.0	80.0	80-6	81.0	80-6	80.6	81.0	80.9	80.9	78•1 80•4	80.0	79-1	78-7	78-7	78-9	78-9	78-4	79.9
20	80-0	79-9	79-9	80.0	79-8	79-4	79-4	80.0	80-1	80-6	80.7	80-7	80.7	81.0	100.8	01.0	00-4	80-0	19.7	10-1	10-7	10-0	100	10 4	
											20.0	78-4	78-4	77-7	78.9	78 - 7	77-9	77-2	76 - 8	75 - 1	75-4	74-6	74-8	75 • 0	77-4
21	78.3	78 • 4	78 - 2	78•0	77-8	77-6	77.6	77•3 72•4	77•6 73•0	77·7 73·8	78-0	76.9	77-5	77-2	76.3	75-9	75.9	75.3	74.5	73.3	73-2	72.1	72.2	72-4	74-1
22	74-8	74-2	73-1	72-6	71-9	72-3	71-4			73.0	75 • 7	73-8	74.1	74.6	74.6	74.0	71-3	69-1	67-3	65-9	65-4	64-7	64-3	63-5	71-3
23	72-6	72.5	74-2	74-1	73-7	72-8	72•2 69•8	72•4 70•3	73·0 71·4	71.7	73.3	72.1	72.8	73-4	75.0	74.1	73.4	73-8	73 - 7	74.0	74.2	74-6	74.7	74.7	71.5
24 25	65·2	66 • 4	67-4	68•3	68 • 9	69•0 73•4	73.3	73-2	72.3	72-3	72.7	72.8	73.6	73.0	73.7	73-6	72-4	71-6	71.5	71.3	70-6	69-7	69-0	68-4	72-6
25	74-4	75•0	74-0	73-8	73-6	13-4	13-3	13.5	12.3	12.3	12.1	12.0	13.0	13.0			' " '								
26	68-4	67-7	67-3	65•7	64-1	63-6	62-5	63•7	70-9	72.3	74-1	74-6	75-1	76-3	75 - 7	74-6	74-4	73-8	73.2	72-2	71-7	72.2	72-6	73.0	70-7
27	74.1	73.7	73.9	74.4	74.7	75.3	75-0	74.4	72-9	73.8	73.2	73.2	73.6	73.7	73-8	74-0	74.0	74-3	74-3	74-6	74 - 7	75.0	75-2	75 -1	74.2
28	75.1	75.0	75.3	75.0	75 - 3	75-9	75 • 7	75 • 6	75.9	76-2	77.0	77-4	77.9	78-4	77-8	77-6	77-1	76.6	76 - 3	76 - 2	76-1	76-1	76-0	75 - 7	76 • 3
20	13.1	19-0	10.3	15-0	15.2	13-8	10-1	10-0	10.8	10-2	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1	1 -								l 1
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Mean	75-8	75-8	75-8	75-8	75 • 7	75 - 7	75.5	75 • 5	76-0	76 • 5	77-0	77-5	77-7	77-8	77-8	77-6	76-9	76-5	76-1	75 - 7	75 • 6	75-6	75 -6	75 - 7	76 • 3
MONT	10-0	10-0	, 5 - 5	10-0	70-7	10-1	10.0	10.0	,5-5	70.0											·	<u> </u>	ļ		
Hour					_	_	7			10	n	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
G. M. T.	1	2	3	4	5	6	7	8	. 9	10		20011	1.3	1					L						
	لـــــا											—			2.5										

184. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0.9 metres

185. ESKDALEMUIR: Louvred Hut: $h_t = 0.9$ metres

MARCH, 1935

APRIL, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	°A	°A	°A	O _A	°A 75+2	°₄ 75•2	°A 75•2	°A 75∙7	°A 76•3	°A 76•7	°A 77•4	°A 78∙2	°A 78•2	°A 78•8	°A 78•1	74 77∙8	°A 77•6	°A 76∙6	°A 76•4	°A 76•6	°A 76∙7	°A 76•8	°A 76∙2	°A 76•5
2	75·5 75·9	75·4 76·1	75·3 76·1	75 • 1 75 • 9	75·1 76·0	76-2	76 - 2	76 - 2	76 - 9	77-0	77-3	78-2	78•6	79-6	79-3	79-0	78-6	77-1	76 • 6	76 - 7	76 • 3	76 - 5	76 - 7	76 • 8	77-1
3 4	76 • 6 74 • 0	76 • 4 75 • 0	76 • 1 74 • 6	76 • 0 73 • 8	76 • 0 74 • 2	76•0 73•8	76 • 2 73 • 4	76 • 1 75 • 0	76 • 3	76•6 76•0	76•8 77•6	76 • 6 78 • 5	77•0 78•1	76 • 7 78 • 6	76 • 3 79 • 0	76 • 6 78 • 2	77.2	76 • 8 75 • 1	76 • 7 75 • 0	76 • 7	76 · 1 75 · 9	75 • 0 76 • 6	74•7 77•7	74·3 77·8	76 • 3 76 • 0
5	77-1	76 • 6	75•8	75-4	75•3	75•0	75 • 4	75 • 6	76 • 5	77•4	77•7	74-9	75•3	76 • 7	78•1	77•0	76•5	75•6	75 • 0	73.7	74.2	73•8	73•7	74 • 0	75 · 8
6 7	73·8	74.0	74·3	74 • 2 77 • 5	73·9 77·3	73•8 76•6	74.0	74·3 77·0	75 • 6 78 • 3	77•3 80•6	77•7 82•6	78•0 83•2	79•0 82•6	79•6 83•0	80-6	80·6 82·2	80.7	80•2 80•8	79~9 80-2	79·2 79·3	78 • 9 78 • 7	78·8 77·1	78 • 7	78 • 0 74 • 2	77•2 79•3
8	73·8 74·1	73-7	73·2 73·5	72·1 73·6	71•7 73•3	72·0 73·2	73·3 72·9	74·1 73·6	75 • 5 73 • 7	77-9 74-1	79·1 74·3	79·9 74·2	79·6 74·0	78·5 74·1	78 • 3 74 • 5	77•7	76 - 7	75 • 8 73 • 4	75 • 4 73 • 4	74·8 73·4	74·4 73·6	74·2 73·6	74·4 73·4	74 • 2 73 • 3	75•4 73•7
10	73.3	73·9 73·2	73.6	73-8	73.7	73-6	73.8	74.0	74-6	75 • 0	75 • 4	76.4	76.2	76 - 2	76-0		75-4		74.2	74-1	74.3	74-6	74-8	74-7	74.3
11	74•6	74.8	74.7	74-9	74-6	74.7	74-4	74-6	76 • 9	78-4	79-6	80•4	80-2	80-2	80-0	79-2	78-0	76 • 5	75 • 0	74-4	74-3	72.8	72-8	73-1	76 - 2
12 13	72·2 75·6	72·8 75·9	72·2 76·0	71·6 75·1	72·8 75·0	72·8 74·8	73·0 73·8	74•8 75•7	76 • 6 77 • 3	78•0 78•7	79-7 80-1	81•0 80•6	82•0 80•7	82•6 81•6	82•7 80•8	81·7 79·4	80·4 77·9	77·2 75·7	74·4 74·1	74·5 73·6	73·8 73·1	74•7 73•0	75 · 3 72 · 6	75 • 0 72 • 6	76 • 3 76 • 5
14 15	72·2 74·5	72·2 74·4	72.7	73•1 75•0	73·3 74·2	73•4 73•8	73·6 74·1	74·0 74·4	75 • 0 74 • 9	77•1 75•8	79·5 76·2	80•4 77•2	80 • 7 76 • 8	80·0 77·0	80-0 76-7	79·1 76·7	78·1 76·7	76 • 5 74 • 9	76 • 2 72 • 8	76 · 3 72 · 9	76 • 3 73 • 4	76·2 73·0	75 • 9 72 • 3	75 • 4 73 • 0	76 · 1 74 · 9
16	73-6	73-4	73-2	72-3	72-6	72.3	72-6	73-8	74-7	76 • 4	79-3	80•5	82-6	82•5	82-0	81-8	81.3	79•7	79-0	78-4	78•3	77-8	77•7	77-4	77-1
17	77-4	77-4	77-3	77-3	77-4	77-2	77·1	77•5 78•2	78 • 2	78 • 5 80 • 2	79·6 81·5	79·5 81·8	80·0 81·9	81.0 80.1	81·3 79·8	81·3 79·2	80·9 79·2	79·9 79·6	79•6 79•6	79·2 79·9	78 • 8 80 • 2	78 • 6 80 • 4	78 • 4 80 • 4	78 • 3 80 • 7	78 • 8 79 • 5
18 19	78•3 80•9	78 • 2 80 • 9	78·1 81·0	78 • 2 80 • 8	78 • 4 80 • 7	80-6	80-3	80.6	78 • 8 81 • 1	81.1	81.3	82.3	84.1	84.7	84.7	83-6	82.4	81-6	80-7	80-1	78 - 6	78-3	78-7	78-8	81.2
20	79-5	79-4	79•5	79•5	79-4	79-4	79-9	80•4	80-9	81.7	83-1	83•6	83•6	84.0	84.1	83•6	83-0	81-8	80•7	79-2	77-9	78•0	77•4	77-0	80-7
21 22	77•4 79•2	77.7	77-8	77•9 79•4	78 • 0 79 • 2	78•2 79•4	78 • 4 79 • 7	78•5 79•7	78 • 4 80 • 1	78 •4 80 • 3	78-6 81-0	78•8 81•9	79•4 81•4	79•4 80•9	79·4 80·2	79•2 80•2	79-2	79•0 78•4	79•0 78•6	78.8	78 • 9 78 • 3	78•9 78•3	79•0 78•5	79•0 78•5	78 • 6 79 • 5
23 24	77•6 79•7	78 • 4 79 • 5	77•4 78•6	78 • 3 78 • 6	78-0 78-2	77•6 77•3	78 • 5 77 • 1	78 • 7 78 • 8	80•0 80•1	80•8 82•0	80•7 82•5	81·4 83·0	81·3 83·8	80 • 7 83 • 5	80•3 83•5	79•7 82•7	79-8	79•7 80•8	79•4 80•0	78•8 79•8	79-0 80-3	78 • 5 80 • 7	78 • 5 80 • 8	79·2 81·4	79-2 80-6
25	81.7	81-6	81.6	81-6	81-6	81-4	81.1	81.0	80-8	81.0	81.2	81.2	81.1	81.0	81.5	81-7	82.1	82-6	82.3	81.5	81.0	80-7	80-7	80-7	81-4
26	80-3	79-3	79-5	79-5	79-5	79-3	79-4	80-6	81-4	82.6	82.5	82.3	82-4	81.9	82-7	81.6	81.2	79•0	78 - 8	79-0	78 • 5	78-6	78 - 7	77-9	80 • 4
27 28	78•0 71•1	78 • 2 70 • 0	78 · 2 70 · 7	77-8 70-8	78•3 70•4	78•3 70•0	78·9 71·3	78 • 5 74 • 4	79 • 6 78 • 8	81-8 79-9	82•6 81•0	83·2 81·0	83·3 82·2	84-6	84.4	83•6 81•6	82.5	80•3 80•5	77·1 79·8	76 • 5 79 • 7	75 • 3 79 • 6	74·4 79·0	74·1 78·4	72 • 2 78 • 2	79•4 77•1
29 30	78·2	78 • 6 78 • 5	77•9 78•6	77•8 78•7	78•7 79•2	78•5 79•4	79·1 79·5	80-2 80-4	80-2 81-0	77•6 81•4	77•6 81•2	78 • 2 81 • 2	78•4 81•1	78 • 4 80 • 9	78 • 7 81 • 1	78 • 2 80 • 6	77 ·9	77•7 80•1	77 •4 79•6	77•1 79•6	77-0	77•0 79•6	77•2 79•6	77•6 79•4	78-1 79-9
31	79-6	79-2	79-2	79•5	79-2	79-2	79-2	78•9	79-2	79• 8.	80-4	81-2	82-5	83•3	83-6	83-2	82-2	81-0	79•6	79-0	78 • 5	77-7	77•3	77•3	80•0
Mean	76 • 5	76 • 5	76-4	76•3	76•3	76-2	76 • 3	76-9	77-8	78•7	79.5	80-0	80•3	80+4	80-4	79-9	79-4	78•4	77•6	77•3	77.1	76 • 9	76 • 8	76 - 7	77-8

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Day 1 2 3 4	°A 77•2 74•5 73•1 76•7	76 - 7	°A 77•2 74•7 73•2 76•1	°A 77•2 74•0 72•8 75•2	°A 77•0 74•2 72•3 74•5	°A 76•7 74•4 72•3 71•8	77 • 7 74 • 4 73 • 6 72 • 0		°A 78•7 77•7 77•0 74•2	°A 79•4 78•2 77•7 75•5	°A 80•4 77•4 77•9 76•5		°A 80•7 78•1 79•6 74•3	°A 81·1 79·0 79·0 77·7	78 · 8 78 · 5 78 · 9 78 · 5	°A 80•5 78•8 79•3 78•8	°A 79•2 78•4 78•6 77•0	°A 77•9 76•7 77•6 76•0	°A 76•7 75•0 76•6 74•7	°A 75 • 2 74 • 2 76 • 2 73 • 8	°A 75•0 74•0 76•4 73•3	°A 75·3 73·5 76·2 72·7	°A 75 • 2 73 • 5 76 • 8 72 • 7	°A 74·4 73·5 76·7 72·7	77.9 75.9 76.1 75.1
5 6 7 8 9	72·4 74·1 70·9 76·2 75·1 80·0		71.7 72.7 71.6 75.7 75.8 81.8	71.7 73.1 72.0 76.0 75.3 81.9	73·3 71·5 75·8 74·9	71.8 73.6 72.2 75.1 75.2 81.3	73·3 75·1 73·0 75·3 76·2 80·7	77-3		76.6 80.0 77.0 77.5 77.0 80.0	80.2 76.6 78.4 79.7 80.6	77•5 79•0	79.0 80.6 77.0 79.9 82.1 80.9	78.3 80.8 76.2 79.8 82.4 81.0	79·2 80·7 75·6 79·7 82·2 79·6	80-6	80·3 75·1 80·1 81·0 80·0	75·8 78·3 75·1 78·5 80·7 80·3	74.6 75.6 75.3 77.5 80.2 79.8	74·1 74·7 77·8 76·4 80·6 79·6	74.5 72.3 77.9 76.1 80.6 80.0	73·4 71·6 77·2 76·0 80·5 79·7	73·1 71·7 77·1 75·5 80·3 79·6	74.0 71.5 77.0 75.1 80.0 79.6	74·9 76·4 <u>74·9</u> 77·2 78·8 80·4
11 12 13 14 15	79·4 76·4 71·1 76·3 73·9	76•0 70•8	79·2 76·3 70·6 75·8 73·4	78.6 76.6 70.1 75.8 73.6	76·3 70·4	77.7 75.3 71.7 76.4 74.3	76 • 9 73 • 7	79•0 75•3 76•3	78·3 79·1 77·4 77·1 78·3	80·1 81·2 77·5 77·3 80·2	80·1 82·0 77·7 77·6 80·0	82.0	80.0 82.5 80.0 77.6 81.0	79•7 82•0 80•2 78•6 81•1	78.0 82.6 79.4 78.0 81.5	83·1 79·3	81·9 79·6 78·1	78·3 80·8 79·1 77·7 80·3	78 • 5 77 • 8 77 • 8 76 • 7 79 • 3	78 • 3 76 • 0 78 • 4 76 • 0 77 • 9	77.7 74.2 77.5 76.5 76.6	77 • 2 73 • 7 76 • 9 76 • 5 77 • 2	77.2 72.4 76.6 76.1 76.3	77•0 71•3 76•7 75•0 76•0	78 • 5 78 • 3 76 • 0 76 • 9 77 • 7
16 17 18 19 20	75·9 76·3 76·9 78·9	76·5 76·4 77·1 76·8 79·0	76 • 6 76 • 6 76 • 8 76 • 4 78 • 9	76-6 76-7 76-9 76-5 79-0	76•6 77•0 76•6	76 · 5 76 · 8 77 · 2 76 · 7 79 · 5	78 • 1 77 • 8	78 • 7 79 • 6	76 • 6 77 • 4 78 • 9 80 • 8 81 • 8	76-4 78-2 79-2 82-1 81-0	76 • 0 80 • 5 80 • 0 82 • 2 82 • 0	79-7	76 • 8 81 • 4 83 • 0	75 • 8 77 • 6 82 • 0 84 • 6 83 • 0	84.7	78 · 2 81 · 7 82 · 9	78 • 3 80 • 0 82 • 4		75 • 8 77 • 1 79 • 1 80 • 4 81 • 0	76 • 1 76 • 8 78 • 6 79 • 8 80 • 5	76 • 2 77 • 3 78 • 3 79 • 6 80 • 0	76 • 0 77 • 2 78 • 0 79 • 6 79 • 8	76 • 4 76 • 7 77 • 6 79 • 5 80 • 0	76 • 3 76 • 0 77 • 1 78 • 8 80 • 4	76 • 2 77 • 3 78 • 8 80 • 0 80 • 7
21 22 23 24 25	80 · £ 77 · 0 79 · 6 79 · £ 73 · 5	77•6 79•4	80.0 77.1 79.0 78.6 73.0	79·8 76·9 79·0 78·0 73·4			81.7 79.1 79.8 78.3 78.0	79•9 80•8	84.3 82.2 81.7 80.8 79.0	84 • 4 83 • 6 82 • 3 83 • 0 80 • 0	81-4	82 • 4	84 • 3 82 • 4 83 • 6	85 • 4 82 • 8	82•9 83•0 83•7	82·2 83·0	81·6 81·8	81·4 81·5	80.5 81.1 79.3 79.2	81.3 80.0 80.4 77.0 78.7	81·1 79·8 80·1 77·2 78·4	80 · £ 79 · 4 79 · 6 75 · 0 78 · 1	80.0 78.3 79.6 74.3 78.0	77•4 79•7 79•4 74•0 77•9	82-3 80-6 80-8 79-7 78-1
26 27 28 29 30	78 · 2 77 · 6 75 · 3 78 · 8 74 · 9	77-6	76·8 77·5 76·1 79·3 75·7	77.0 77.2 76.0 79.2 76.4	77•3 76•3 79•0	77·3 77·4 76·4 79·1 77·0	78 • 0 76 • 9 79 • 5	78 • 6 77 • 7 80 • 4	81·3 79·1 78·7 80·6 79·4	83.6 79.6 79.6 81.7 81.3	80·1 80·7	82-6 81-2 81-6 84-6 85-0	82.5	83·9 83·3 85·4	84·5 83·6	84 • 7 84 • 4 85 • 6	84·1 84·5 85·9	83·1 84·1 85·8	80 • 7 81 • 9	80.2 80.0 80.3 81.1 80.6	79.2 79.8 78.3 79.5 80.0	78•4 79•6 76•6 78•2 79•6	78-2 78-7 78-8 76-1 79-2	78 • 0 76 • 0 78 • 6 75 • 3 78 • 8	79-8 80-0 79-5 81-4 79-9
Mean	76-2	76 - 2	76 • 1	76.1	76-1	76 - 2	76-9	77-9	78-8	79.7	80+3	80-8	80-8	81.2	81-1	80.8	80-4	79.8	78-6	78•0	77-6	77-1	76 • 9	76 - 5	78 • 3

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

186. ESKDALEMUIR: Louvred Hut: ht (height of thermometer bulb above ground) = 0.9 metres

MAY, 1935

Hour G. M. T.	1	2	3	4	5.	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day	°A	οA	οA	o _A	°A	°A	°A	°A	°A	οA	°A	°A	°A	°A	°A	°A	°A	OA.	°A	°A	°A	o¥	°A	OA.	°A
1	78.6	78.5	78-6	78 • 7	78•6	78.6	79-2	80-6	80-2	81.4	83•5 82•6	83•7 83•6	84•6 83•6	85 • 8 83 • 5	85 • 4 84 • 5	85 • O	85 · 2 85 · 8	83·4 85·3	81·5 83·7	79-4 80-9	78 • 2	77·6 78·7	77•9 78•7	78•3 78•4	80 · 81 · 2
2 3	78 · 8	79-0	79•0 79•1	78 • 9 78 • 2	79·0 78·9	79·2	79•7 81•4	80·2 84·3	80•3 86•8	81·9 88·2	88.9	89-4	88-7	89-8	89-4	89-8	89-2	87-6	86.0	85.1	84.2	81.0	82.2	80-6	84
3	79-4	79-0	77-6	77.1	76 • 5	79-0	83-2	85 • 6	88-1	90-5	91.2	90-8	90-8	91.0	90-8	90-0	89-1	87.5	86-1	83.9	83.4	82-1	80-6	79-2	84 • 1
5	78 - 2	79-2	79-7	78•5	79•2	80-0	83•3	85 • 5	87-5	89-7	90•3	91-2	91-6	92•3	92•6	92•5	92-1	91-8	89-0	87-2	83•0	82•8	82-4	81-6	85-
6	81-4	80-6	80-7	80-2	79•9	79•5	83•8	85•4	88•0	89-6	90-2	89-6	90-6	90•8	91-0	90•2	88•6	88 - 3	86 • 6	85 • 4	84•1	83-1	82 • 4	81.3	85•
7	81-4	81-4	80-6	80-4	80-6	81.5	82•1	81.8	82-4	84.8	85 • 8	86+0	86 • 8	87-2	87-2	87.0	86•3	85 • 3	83-0	80-5	79.0	78 • 8	77•8 78•7	77.0	82 · 82 · 6
- 8	75 • 3	75 • 4	75 • 3	77-8	77-9	78•3	79-1	80-8	83-0	85 • 2	87•7	88 • 7	90•0 83•8	90•5 84•3	90•7 84•8	89•5 84•1	89·4 83·2	88 • 2 82 • 5	87-0 81-4	83·3 80·5	81·2 79·6	79•0	79-0	78-2	80-6
10	77•4 78•7	76 • 7 78 • 5	77•6 78•2	78•6 77•9	78•7 78•0	79•2 77•9	79•6 78•4	79•3 78•9	80-0 79-7	80-8 80-6	82•5 82•2	83•3 84•3	83 - 8	84.3	84.5	83.3	82.7	82.3	81.4	80.0	79-1	79-0	79-3	78-5	80-
`п	78-2	78-2	78-1	78•2	78•0	79-0	80-8	83•3	86-3	87•5	88•6	89-6	90•4	89-6	89•7	89-5	88-1	86 • 2	83-8	82-2	81.6	81-2	.80•8	80-1	83.
12	79-5	79-0	78-8	78-4	77-6	78-1	79-2	78 - 9	81-6	82-2	82.0	81.9	82-2	81.2	81.4	81.0	80-2	78 • 9	78 • 4	77-5	77-2	76 - 7	74-6	73-2	79.
13	73-4	72-7	72-3	70-8	70-6	72-5	76 • 2	77•4	79-2	80.7	81.0	81.6	83•0	83-6	83•7	83•3	81.4	79-2	79-0	78-9	75 • 5	73-3	73 • 4	73.5	77•3
14	73.3	73-5	73-2	73.0	73.0	74.2	76 • 2	76 • 3	77.9	79-1	78-6	80-6	81.3	81.8	81·4 78·3	80·9 76·8	79.9	79•7 77•3	78•5 76•5	75-8	73.0	716	71.8	72.0	76 • 3
15	70-6	70-0	68•3	67•2	68•1	69-1	71-8	77•4	77-4	78•0	75•0	76-5	76-2	75•8	70.0	10.0	//•1					10-4			
16	74-1	73•5	73-0	71-8	72-2	74.3	75 • 0	75 - 8	76-1	76 • 3	78-7	78-1	79-9	79-6	81.1	80-3	78 - 8	78-2	76-4	75 • 4	76.6	75 • 7 76 • 3	75 • 0 75 • 6	74-0	76 · 75 · 4
17	72-4	71.9	71.6	71.0	71.5	72.6	73 • 4	74.2	74.9	76 • 0	78•0 81•3	79·1 81·7	78•1 81•9	76 • 4 82 • 7	77•8 83•1	77•6 82•5	78·3 81·0	78 • 6	76 • 4	76.4	75.6	75-6	74.3	73-6	78 -
18 19	75 • 0	74.7	73-8	73·5 72·7	74•3 74•2	76 • 6 76 • 9	77•9 78•8	78 • 6 79 • 5	79•9 80•9	80·4 81·7	82.6	83.0	84.5	83-9	83.7	83-1	82.3	81.5	79-8	78-1	76.3	75 • 0	74-9	74.0	78
20	74-0	73.7	73.5	72-8	73.4	76-0	78.9	80.7	81.6	83.1	84.3	85 • 0	85 • 4	85 • 0	85 • 0	85 - 6	85 • 0	84.2	82-8	80-6	78•5	78•8	78-5	78-8	80•:
21	78-6	78 - 7	78-5	77-9	77•7	79-1	79-7	81.3	82.6	83•4	84-9	85 • 2	85•8	85 • 2	86 • 1	86 • 0	85 • 8	85 • 2	82-3	80-5	79-0	76 - 4	75 • 3	74-7	81 -
22	75-3	75-1	75-0	73.7	74.9	77•9	81.7	83.3	84 • 5	86.0	87-1	87-1	86 • 2	85 • 8	85-8	85 0	84 • 5	83 • 6	83.0	81-2	79.5	79-8	79-8	79-3	81.
23	79-8	79.1	78 • 6	79.2	79-6	80.0	80.5	83.1	84.3	84.9	84.3	84.7	84-4	85 - 8	84.7	84.5	84.4	83·3 83·8	81.9 81.4	80-3	78.3	77.3	77-6	77•4	81.6
24 25	77-2	75 • 4	77•0 78•7	76 • 4 78 • 6	76 • 7 78 • 9	77•7 79•2	79•3 79•4	80•3 80•0	80·7	82.0 83.1	83 • 2	85 • 4 85 • 9	85 • 7 87 • 0	85 • 4 86 • 7	85 • 6	86.0	85 - 2	84.3	82.6	80-2	78.7	78 - 8	78-4	78.6	81
~~ <u> </u>	10-9	10.9	18-1			18-2								7.						1					
26	78 • 4	78-4	78 - 4	78 • 4	78 • 6	78 • 7	78 • 9	79•6	82.1	83.7	85 • 3	86 • 0	86.2	86.6	86 • 9	87-1	86 • 1	84.5	83.1	79-8	78 · 4 81 · 3	77-8	77-9	78.1	81.6
27	77-9	78.0	78 • 2	78 - 5	79 • 0 78 • 0	79•1 80•0	80·0 82·0	81·4 84·6	83·3 87·0	85 • O 88 • 8	86 • 3	87•2 91•0	88·3 91·6	90.0	90.3	90-1	89.6	88•0	86.0	83.0	80.3	79-7	79-0	78.5	84.0
28 29	78.0	77.3	77.4	76 • 7 77 • 5	77.8	78•4	78 • 6	80.4	82.9	84.1	86 • 6	87.6	89-0	89.5	89-4	89-3	88-1	86 • 5	84.6	81.6	79-9	79-1	78-8	78-4	82.0
30	78-1	77-7	77.6	77-1	77-3	77.6	78-1	78 • 7	79-2	80-6	81.3	82.2	82-8	84.1	85 • 2	85 • 3	85 • 4	84-6	83-6	80-4	78 • 8	79-0	77•6	76 • 7	80-4
31	76 • 3	76-7	76-7	76 • 3	77-0	78•0	80+4	82•2	83•3	84-9	85 • 6	86-2	87•5	88•1	88-0	88-1	87-5	86-4	84-5	81-8	79-3	79-0	78-1	76-6	82-0
	.0 5	``					30 1						<u> </u>	<u> </u>	-	-	 	\vdash	 	 	79-0	78•3	77-8	77-3	80-1

187.	ESKDALEMUIR:	Louvred	Hut:	$h_t =$	0.9	metres	
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TIME.	1935

Mean Hour G. M. T.	82•2	82-2	82•1	82·0 4	82•4 5	83·2 6	84·1 7	84-9	85 • 6 9	86·1 10	86•9	87.5	87•5 13	87•5	87•3 15	87-4 16	87•2 17	18	19	85 • 0 20	21	83-3	82 - 9 23	82-7	84·9 Mean
															_								-		
29 30	86 • 4 86 • 4	86.8	85 • 8 86 • 8	85 • 4 86 • 8	85 • 4 87 • 0	87•2 87•1	88·1 87·2	88•7 87•2	89•8 87•4	91.0 87.2		93-0 87-6	93 • 4 89 • 5	90-4	92-0		90-6	91-0	90.4	88-7	87-3	85-1	85 • 3	86-1	88•0
28	85 • 3	85 - 5	85 • 4	85 • 6	85 • 8	86 - 2	86.3	87-0	88 - G	89-0	90.4	89-8	90-0	92.0	91·2 94·0	91·6 93·8	89·8 93·7	89-7	88 • 6 92 • 6	86 • 8 90 • 0	86 • 3 88 • 0	86 • 4 86 • 0	86 • 4 85 • 4	86 • 4 86 • 0	87·9
26 27	86 • 2	86 • 7 85 • 8	86 • 6 85 • 6	86 · 1 85 · 7	86 • 6 85 • 7	86 • 8 85 • 8	86 • 6 86 • 0	87·4 86·2	87•8 86•2	88-0 86-4	87•6 86•4	88.1	87•4 86•2	86 • 6 86 • 6	87·1 86·5	88 • 6 86 • 3	89-2 86-2	88 • 6 85 • 8	88 • 4 85 • 4	87•6 85•3	87•0 84•9	86 · 9 84 · 7	86 • 5 85 • 1	86 • £ 85 • 0	87•3 85•9
25	87-2	86-8	86 • 7	86.2	86-2	86-8	87-7	88•6	91•1	91.3	91.•1	91-0	90•8	91.3	90•5	90•7	92.0	91.5	89-9	89-3					
24	89.2	89-3	88-7	87.5	90•2 87•9	88 • 6	89.3	90.0	91.8	93.1	95 • 3	94.0	94.9	95 - 4	95 • 2	95 • 2	95 • 9	95 • 8	95 • 0	92-1	89•7 88•5	88.2	87•7 87•1	87·1 86·6	91·6 89·0
22 23	86 • 3 89 • G	86·3 89·6	86 · 2 90 · 0	86·3 89·9	86 • 7	88·6 90·6	89·4 91·4		91·5 93·9	93·1 95·1	94·3 96·6	95·1 97·0	96 • 5 98 • 2	97·5 97·7	97·2	96 • 9	97•0 99•0	95 • 0	94 • 0 95 • 0	92 · 8 93 · 5	91·5 92·£	89·9 92·2	88·6 91·1	3°88 8°88	91.5 93.6
21	84-6	85-0	85 • 6	85 • 8	86•3	86•3	86 • 7	87•5	87-2	86 • 7	86 • 5	86+0	85 • 8	85 • 8	85 • 8	85 • 7	85 • 7	85 • 6	85 • 7	85 • 8	86 • 0	86•3	86 • 3	86•3	86 • 0
19 20	75·5 85·5	74·7 84·7	74·3 84·4	73•9 84•6	75 • 2 84 • 7	77·7 84·6	81·4 84·8	83•2 84•8	85 • C	85·0 85·2	86 • 4 86 • 3	86.6 86.5	87•3 85•8	87•5 86•4	86 • 8 86 • 7		88 • 4		86 • 6	85 • 3	84.7	84.7	84.7	84.8	85 • 7
18	81.0	81.1	81.3	81.5	81-6	81.5	81.7	81.9	82-1	82.6	82.3	82.7	83-1	83.3	83.3		85 • £ 85 • 6	85 • 0	84 • 8 85 • 3	82 • 0 85 • 2	79•3 85•3	79·1 85·3	78 • 4 85 • 3	76 • 9 85 • 4	82·0 82·7
16 17	80·0 79·6	79·6 81·0	80·6 80·8	81·1 79·3	81·7 79·5	82.3 80.6	83·0 82·0	85 • £ 83 • £	85·3 83·1	86 • O 82 • 8	86 · 8 83 · 7	88 · £ 84 · 9	85 • 3 85 • 1	87•1 84•8	85 • 7 83 • 7		86 • 0 83 • 7	85 • 2 84 • 5	82·6 84·5	82•2 83•5	81·9 82·5		80 • 7 80 • 7	80.0 81.2	83·5 82·5
15	78.9	79-8	80•4	80•8	81•0	82•0	83•4	84•3	84.6	84.9	85•1	84.9	85 • 7	87•5	88 • 4	87•6	86•1	87•1	86•2	83•8					
14	80-1	80-5	81.2	79-3	79-8	82.0	84.5	84.5	84 • 4	86.1	85 €	87-7	87-0	86.0	84.9	84-9	84-4	85-6	85 • 1	83•7	82•6 81•6	81.5 78.9	79·6 79·5	78 • 4 79 • 6	83·3 83·4
12 13	81·5 82·0	81·3 81·7	81·2 82·2	80-9 81-6	81.0 82.1	81·5 82·1	82·9 81·1	83•0 80•6	83•8 82•0	83 : 4 83 : 9	84·1 82·1	84 • 5 86 • 0	85 • 4 85 • 4	85 · 7	86 • 4 85 • 4		85 • 1 85 • 0	84·6 85·1	83·8 84·7	83·3 82·4	82•7 81•0	82•5 80•6	82·4 79·9	82•2 79•0	83•3 82•9
11	83.7	83-6	83.2	83-0	83•3	84•1	84 • 6	85 • 0	84-6	84.5	87-0	86-4	83-6	83•5	83-2	83*3	83-4		83.2	82 • 7	82•2		81-4	81.4	83+7
10	81.5	81.6	81.8	82.2	83-0	83-6	84-3		84 - 8	84-1	84-6	85 • 2	84.3	83.8	83-5		84.0	83.7	83.9	84.1	83-9	84·£	84•3	84.8	83•7
8 9	81·9 74·5	81·6 73·3	81·4 72·2	81·2 72·4	81·2 73·7	81.0 76.9	'80 • 6 80 • 7	80·7 83·1	80 • 9 84 • 2	81·6 84·5	81·0 84·9	81·1 85·7	81·6 86·2	82•4 86•0	82·5 87·0	84 • 0 86 • 8	83 • 6 86 • 2	83·2 85·6	82 · 7 85 · 3	81·0 84·2	80 • £ 82 • 5	79·1 81·4	77•3 80•6	75·6 81·2	81·3 81·5
6 7	79·1 83·4	78 • 5 83 • 4	78 • 7 82 • 6	79·3 82·7	79•7 82•4	80·5 83·4	81·5 83·7	83·3 83·9	84 • 8 82 • 8	84.3	85 · 9 85 · 6	87•0 87•3	87•5 87•2	85 · 7 83 · 4	84 • 4 84 • 0	84•4 84•8	84·3 83·7	83·3 83·1	83•4 83•£	84·2 83·2	84·5 82·9	83·8 82·9	83 · 9 82 · 6	83·5 82·2	83•7
5	81.4	81.3	81•4	81.5	81-7	82•0			84-1	85 • 7	86 • 5	86-6													83-1
4	79-4	79-5	79-6	79-9	80-6	80-8	81.0	81.7	82.7	83.5	84.5	85 - 9	85 · 0 87 · 2	83·3 87·0	83·0 83·8	83.0	82·3 84·5	82 · 7 84 · 8	82·6 83·5	82·6 83·0	82·5 81·9	82.0 81.6	81·9 81·3	81·6 80·8	82·1 83·4
2 3	75·1 79·7	74.2	74·3 79·6	74•3 79•9	75 • 6 80 • 3	76 • 6 81 • 3	77•8 82•5	80.0	80 · 2 83 · 5	82.0	83.9	86 • 2	85 · 3 87 · 6	84·3 87·3	83.5	81.6 87.0	80 • 8 87 • 0	80·1 84·2	80·0 82·8	79·6 81·3	79•5 80•8	79-4 79-6	79·5 79·2	79·6 79·1	79·6 82·9
Day 1	°A 76•4	°A 76∙2	°A 75∙3	°A 75∙8	°A 77∙3	% 78•1	% 80·1	°A 82•4	°A 83•8	°A 85∙6	°A 86∙£	°A 87•2	° <u>A</u> 88∙2	°A 87•5	°A 87∙5	0. 88∙0	.°A 87∙2	% 85•1	° <u>A</u> 83∙2	°A 80∙5	78 • 3	76 - 1	75 • 5	75.0	81.6

188. ESKDALEMUIR: Louvred Hut: ht (height of thermometer bulb above ground) = 0.9 metres

JULY, 1935

Hour G. M. T.	1	2	3	4	5	6	•7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day 1 2 3 4 5	% 86.8 85.7 96.2 87.1 86.6	°A 87.0 85.7 85.4 87.2 86.6	°A 86 • 7 85 • 6 84 • 0 87 • 2 86 • 5	°A 86-4 85-6 82-8 87-1 86-5	°A 86·1 85·6 83·8 87·0 86·5	°A 86 • 2 86 • 6 84 • 4 86 • 5 86 • 5	°A 86 •6 87 •6 85 •2 86 •4 86 •5	°A 86-8 88-7 86-1 87-0 87-7	°A 86 •8 89 • 2 87 • 0 87 • 1 87 • 5	°A 87·1 90·5 88·0 87·0 88·4	°A 87·3 90·0 87·7 88·3 88·4	°A 87·6 91·6 88·7 89·9 88·4	°A 88·4 91·4 89·0 87·8 87·8	°A 88-6 91-4 88-7 87-4 87-2	0A 87.8 91.1 88.5 85.8 87.6	°A 86 • 6 90 • 4 86 • 0 86 • 2 87 • 8	°A 85·5 88·8 85·2 86·6 87·4	% 85.4 88.5 85.0 87.0 86.1	°A 85•7 88•0 85•4 86•6 86•3	°A 85.8 88.1 85.6 86.6 84.4	°A 85 • 8 86 • 9 85 • 9 86 • 4 83 • 8	°A 85 • 8 86 • 7 86 • 4 86 • 4 83 • 6	°A 85.8 86.5 87.0 86.5 83.6	°A 85 • € 86 • 4 87 • 1 86 • 6 83 • 2	°A 86 ⋅€ 88 ⋅ 2 86 ⋅ 2 87 ⋅ 0 86 ⋅ 5
6 7 8 9	83-0 78-8 82-6 82-0 83-7	83·3 78·4 83·0 81·6 82·3	83-6 77-5 82-0 80-5 81-9	83.8 78.0 81.4 80.3 83.8	83-8 79-3 82-0 80-8 85-2	83 · 8 83 · 4 84 · 0 83 · 0 87 · 6	84-1 87-0 88-0 86-8 86-8	85-0 88-4 90-1 89-1 87-7	86 · 1 89 · 4 91 · 9 91 · 0 88 · 0	86 • 0 90 • 1 93 • 4 92 • 0 88 • 6	87.0 91.7 94.2 92.6 88.6	88-2 92-0 95-1 93-0 88-5	88·5 92·9 94·8 93·7 88·9	88-6 92-6 94-7 94-0 88-7	88-6 93-0 95-1 94-0 88-9	88.6 93.8 95.3 93.9 88.3	90-0 93-5 95-3 93-0 89-0	89·2 93·0 94·4 92·2 89·5	88-0 93-0 92-8 91-3 90-3	85.9 89.3 89.2 89.4 88.0	84.6 87.0 87.5 87.0 85.3	83·3 84·4 85·4 86·0 82·7	82·1 84·0 83·7 85·6 81·7	80·1 83·2 82·5 84·7 80·3	85.7 87.2 89.1 88.2 86.5
11 12 13 14 15	79-1 83-2 88-7 81-6 84-7	79-0 82-9 87-9 81-6 84-6	78·3 82·5 87·0 81·5 84·4	77-9 83-0 87-2 83-7 83-9	79-8 83-0 88-0 84-0 85-0	82·9 83·5 89·0 85·8 86·0	86 • 8 87 • 0 90 • 0 87 • 5 87 • 2	87•7 88•8 90•7 88•6 88•6	90-2 90-7 93-0 89-1 90-1	90·7 92·8 93·5 89·1 90·7	91.5 94.1 94.8 90.3 91.6	92·2 95·0 94·7 89·2 92·5	92·7 95·6 95·3 88·2 92·5	93·7 96·4 95·8 87·5 92·8	93.8 96.9 95.8 87.1 93.1	93.7 96.7 95.4 86.8 91.2	94.0 96.0 94.8 86.0 92.6	94.0 96.6 92.7 85.7 90.0	91.5 94.6 91.3 85.9 88.9	88.2 93.2 89.4 85.6 87.4	87·3 91·9 86·7 85·2 86·3	85·3 90·3 85·2 85·1 85·1	85·1 89·4 83·2 85·0 85·0	84-0 88-5 82-0 84-8 84-3	87-4 90-4 90-6 86-0 88-3
16 17 18 19 20	84·5 85·2 81·9 79·5 85·5	84·9 84·7 82·1 79·8 85·5	85 • 0 84 • 3 82 • 4 78 • 8 85 • 4	85.2 83.7 81.8 79.2 85.3	84.7 83.6 81.8 79.2 85.2	85.0 84.6 83.0 80.2 85.5	85.7 85.0 84.0 81.9 85.8	85.7 85.3 85.5 84.8 86.4	87-2 84-5 85-7 84-6 86-6	88.0 85.0 86.7 84.9 84.9	87.5 84.9 86.8 86.0 86.5	87.0 85.7 87.9 86.8 88.7	87·8 84·9 87·1	87.6 87.7 85.4 86.5 87.9	87.3 87.5 85.5 85.7 88.2	88•7 83•7 84•0	88·1 88·2 86·1 84·0 87·0	88.2 87.7 86.7 84.1 87.0	88-0 86-0 81-1 84-3 84-7	87-5 83-6 83-7 84-6 83-8	87.2 82.8 82.5 85.3 83.2	86.7 82.7 80.1 85.6 83.0	86 · 3 82 · 3 80 · 1 85 · 6 83 · 0	85.6 82.0 80.5 85.6 82.9	86 · 5 85 · 2 83 · 9 83 · 6 85 · 7
21 22 23 24 25	82 · 8 79 · 8 87 · 4 86 · 9 79 · 0	82.9 79.6 86.1 85.0 77.6	82.7 80.0 86.4 83.9 77.0	82·3 80·6 86·1 83·2 76·7	82-8 81-5 87-2 83-5 77-0	83.7 82.2 88.1 84.9 80.3	84.0 85.4 89.0 86.7 84.1	85.9 85.6 91.5 87.7 87.2	85 · 7 86 · 1 92 · 4 88 · 6 88 · 6	86 • 4 86 • 9 94 • 1 89 • 8 88 • 7	87.8 87.7 94.0 90.8 90.6	87.8 87.6 93.3 91.7 90.6	87·4 88·3 93·6 92·0 89·8	87.5 89.6 93.2 92.2 90.0	87-6 91-8 93-1 92-6 88-9	88.0 90.4 92.0 92.1 87.1	89·1 90·7 91·9 92·3 87·3	88-2 91-1 90-7 91-0 86-7	87-5 90-6 89-7 88-7 86-8	84-0 88-9 89-3 86-7 86-0	80-4 88-7 88-5 85-6 85-5	80.5 87.9 88.2 83.8 85.1	79-0 87-8 87-6 81-7 85-3	79-5 87-6 87-4 79-8 85-6	84-8 86-4 90-0 87-7 84-9
26 27 28 29 30	85.0 88.0 84.8 82.3 79.5	85-2 87-6 84-3 81-6 78-9	85.3 87.5 84.1 81.8 77.0	85•3 87•4 84•1 82•0 75•9	85•4 87•6 83•6 82•2 74•7	86-0 88-0 84-0 83-2 78-1	87.0 88.2 84.4 84.8 82.2	86 · 8 87 · 7 85 · 0 86 · 1 85 · 5	87·1 88·0 85·0 87·1 87·5	88.0 87.5 85.3 86.8 89.2	88-6 87-6 86-3 88-3 89-4	90-4 88-1 86-7 87-5 90-6	90-2 88-4 86-4 88-0 91-1	90-6 89-0 86-7 89-3 92-1	91-4 87-9 86-2 88-3 92-0	88·3 87·0 88·5	88.1 88.0 87.5 88.3 91.7	87·3 87·3 87·0 88·3 91·2	87-4 86-9 85-6 85-1 89-0	87·1 85·8 83·9 85·1 85·8	87.0 85.6 83.5 84.1 84.7	86 · 9 85 · 4 83 · 6 80 · 6 83 · 0	87·3 85·0 83·2 81·2 80·6	87-8 84-7 82-1 79-6 78-1	87.5 87.4 85.1 85.1 85.1
31 Mean	77•8 83•5	77•5 83•2	77-4 82-8	76 • 5 82 • 8	76•9 83•1	79·8 84·4		87·7 87·3	88·5 88·1	90-0 88-7		91-5 89-9	92-0	92·5 90·2	92·9 90·1	93-0 89-7	93·3 89·7	92·5 89·2	88-0 88-1	86 • 4 86 • 7	83·4 85•7	82·0 84·7	81·1 84·2	80 -4 83 - 6	85•6 86•7

189.	ESKDALEMUIR:	Louvred Hut:	h+	=	0.9	metres

AUGUST, 1900	AU	GUST,	1935
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189.	ESKDA	FWOTE	K: Lo	ouvre	1 Hut:	n _t	= 0.9	metro	3 S														AUGUS	r, 193	77
Day 1 2 3 4 5	79·4 81·8 79·0 83·8 86·4	°A 79-2 82-3 79-7 82-2 86-7	°A 79 • 2 82 • 2 78 • 7 80 • 4 86 • 3	°A 79•0 83•2 79•0 80•9 86•3	°A 79•4 83•6 79•1 82•4 86•4	°A 80•4 83•9 80•7 84•2 86•7	°A 83-5 86-2 81-9 85-0 87-6	86 - 2	°A 90•3 89•2 87•7 87•5 88•4	°A 90•3 88•6 88•7 87•7 88•7	88-0	°A 92.8 90.7 90.6 89.9 90.3		93·4 91·3 91·5 91·1 90·7	°A 94·0 91·3 92·5 90·3 90·4	92·1 88·9	93.7 90.0 91.0 88.4 90.8	92.5 89.7 89.4 88.0 90.4	88•1 88•1	°A 89·5 87·1 85·8 87·6 87·2	87.9 84.3 85.0 87.4 86.2	87·4 83·2 83·6 86·9 86·7	87.6 82.0 84.6 86.7 87.6	°A 84.6 80.4 84.5 86.7 87.5	87.4 86.6 85.7 86.6 88.3
6 7 8 9	87·4 80·7 87·4 85·6 86·1	87.1 80.6 86.8 84.7 86.1	86.5 81.0 85.9 83.0 86.1	85.5 80.9 85.5 83.0 86.0	86 • 1 80 • 9 85 • 8 82 • 1 85 • 6	87.0 81.9 86.4 83.6 85.6	89•4 83•8 87•6 86•6 86•0	90 • 7 86 • 5 88 • 0 86 • 3 86 • 3	89.9 88.1 88.7 87.5 86.7	91·4 89·0 90·3 89·0 87·5	91.8 91.0 90.3	92.6 91.2 91.2 90.0 88.7	91·7 92·2 90·0	93-6 93-2 93-2 92-0 88-1	90-2	94.2 92.6 93.3 91.0 87.7	93.8 92.1 92.0 91.3 87.8	91.7 91.5 90.5 89.8 87.7	90-4 90-6 89-8 88-5 87-6	87·1 90·0 89·2 87·5 87·3	85.5 89.0 88.2 86.1 87.3	83 • 2 88 • 6 87 • 4 86 • 2 87 • 4	82-2 88-1 86-6 86-2 87-4	81·1 87·4 86·7 86·3 87·4	89·2 87·6 89·1 87·4 87·1
11 12 13 14 15	87-6 83-5 78-7 84-9 84-2	87·7 82·4 78·0 84·4 83·4	87 • 7 82 • 3 76 • 8 84 • 4 83 • 7	87·9 82·5 76·2 84·4 83·7	87•7 83•0 76•3 84•6• 83•7	83-9	79·4 85·4 84·4	85-0	88-4 86-4 85-5 87-1 85-5	88 • 8 86 • 3 86 • 4 88 • 0 86 • 7	86 · 5 87 · 2 88 · 1 86 • 7	89.7 89.1 87.6 86.3 87.4	88•7 88•4 88•6 86•7		86 • 5 88 • 0 88 • 4		88.0 88.3 87.0 86.4 88.1	87·3 86·3 86·2 86·4 87·1	84 • 6 85 • 6 86 • 2 86 • 0	86 • 7 83 • 2 85 • 1 85 • 5 84 • 7	85.7 82.1 84.9 83.9 82.4	85·3 79·9 84·5 84·9 80·6	84.9 79.4 84.7 84.5 80.1	83.7 79.1 84.7 84.2 80.5	87-6 84-8 83-5 86-0 85-0
16 17 18 19 20	81.2 87.5 87.3 87.6 87.8	81·3 87·4 87·2 87·5 87·9	82.0 87.4 87.1 87.2 88.1	82.2 87.3 87.0 87.2 88.0	87·2 86·9 87·2	87•4 87•2 87•4 88•2	87-9 87-4 88-1	88•1 88•3 87•6 88•0	85·1 88·3 88·9 88·6 87·7	85•7 89•4 89•6 90•5 87•7	90·1 89·5 90·9 88·0	87-3 90-8 90-1 90-6 88-9	91 · 2 90 · 7 90 · 6 89 · 9	88-8 89-1 91-7 90-0 90-6	89.8 93.0 90.5 92.1	89.0 92.6 90.3 91.3	89-0 89-5 92-9 89-0 92-1	92-0 88-2 91-3	88•0 89•6 87•8 89•5	87.8 87.8 87.3 87.3	87.5 87.6 88.0 87.3 87.6	87·3 87·9 87·4 87·6	87·4 87·3 87·7 87·5 87·6	87-4 87-3 87-7 87-6 87-4	85.9 88.4 89.1 88.5 88.8
21 22 23 24 25	87·2 77·7 79·1 85·7 89·3		84 · 9 78 · 4 77 · 9 85 · 8 88 · 3	85·2 78·1 77·6 85·6 87·2	85·4 78·4 77·0 85·1 87·5	87.5 79.2 79.2 86.1 87.0	82 · 8 87 · 2 86 · 8	85.8 87.0 88.0 86.9		93·5 89·8 90·6 92·0 86·5	90-7 91-2 94-2 86-8		91.5 90.7 96.8 87.6	90-6 97-2 89-0	96 • O	90.0 91.2 96.3 89.7		93·4 88·8	86 - 8 88 - 3 92 - 4 88 - 2	83.8 85.0 87.3 91.7 85.8	90·7 85·9	86 • 0	79 · 8 80 · 6 86 · 8 90 · 2 86 · 2	79·5 79·7 86·6 89·9 86·7	87.9 84.8 86.0 90.8 87.6
26 27 28 29 30	81•6 81•8	83·0 74·2 81·7 82·5	83·2 82·7 73·8 81·2 82·9	82.6 82.6 74.9 80.7 82.9	79·3 83·1	80-6 76-0 79-7 83-7	85-0 82-1 80-2 81-4 84-1	83-3 82-5 82-6 84-6	86 · 3 84 · 4 83 · 7 84 · 7 84 · 9	86 • 6 84 • 9 85 • 6 85 • 6 85 • 0	87·1 86·8 87·5 86·8	87-9 87-4 86-2 87-1 84-8	86 • 6 84 • 4	88 • 4 86 • 5 85 • 7 88 • 3 84 • 8	84-9	85·3 85·6 84·5	86 · 4 84 · 6 85 · 4 84 · 8 84 · 0	1	83·0 82·4 84·1		83•7		83-7 76-4 82-1 81-7 84-7		85.4 83.3 81.5 83.3 84.1
31 Mean	84 • 5		84-0			84-2	84.3		85-5	88.3		89-5	87·2 89·9	89-9		87.0	89-3	<u> </u>	87:5	 -	85.4	84-9	84.7	84-4	86 - 5
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18.	19	20	21	22	23	24	Mean

190. ESKDALEMUIR: Louvred Hut: nt (height of thermometer bulb above ground) = 0.9 metres

SEPTEMBER, 1935

Hour M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
Day	°A	OA.	^A	°A	A°	°A	°A	°A	°A	°A	°A	°A.	.°A	°A	°A	°A	°A	°A	°A	°A	OA.	o _A	o _A	°A	Γ.
ľ	84-8	84-7	84-3	83-6	83.7	83.8	84 • 4	85 - 2	86.0	87-6	88-3	88-6	88•3	88-1	89-0	88-2	87-4	86 - 6	86-1	86 - 2	87-2	87-6	87-5	87-5	1
2	87-5	87-5	86 - 2	85-6	85.0	84-4	84 - 7	85-3	84.0	85-2	85-3	85-5	85-8	86 - 2	85-5	85-1	84.5	84-7	84-4	83-7	83-7	82-7	82-8	82-6	ł
3	82-3	82-1	81-6	82-6	83.3	83-2	84-3	84 - 7	85•3	84 • 6	86 - 3	87-4	86 • 7	85-8	86 - 1	85-8	85-8	84.8	84 • 4	83-6	83.8	83-2	82-1	82-5	l
4	81.1	80-5	80-3	79-2	78-3	77-6	79-9	84-0	84.5	85-3	85-6	86 - 8	87-0	87-1	87-8	87.6	87-0	85-5	84.3	83-1	82.5	81-9	81.2	80-3	l
5	80-9	81.0	80-3	80-9	79-9	81-2	82-3	83-0	83-9	85 • 8	87-0	87-0	88-0	88•5	89-1	87-7	87-0	85•4	83-6	83-0	80-2	80-2	80-8	79-3	ı
6	78•5	78-3	77-2	76 - 3	76 - 0	76 • 3	78-1	80.8	85-0	86 • 0	86 • 6	86 - 2	87-0	86 • 4	86 - 5	85-2	85-0	82-8	81.3	80-1	79-4	80-0	77-6	76 · 2 75 · 3	l
7	76 • 4	76 • 4	75.0	75.0	75 • 2	76 • 3	78-6	82.6	83.2	85-8	85.0	86 - 8	85 - 5	86-0	86-9	86.0	85-0	83-4	80.4	78.7	78・4	77-4	76 • 3 78 • 9	78.3	į
8	75-0	76 • 2	75.5	75.2	75.0	75.3	78 • 4	82.0	83.3	84.2	85-5	85.1	86 - 8	87-1	86 - 7	86-9	86 • 6	83-9 83-6	82·5 83·4	80-5	80-0	79•0 78•3	77-8	77.6	
9	78-4	78-6	78-3	78-7	78-1		79.6	81.8	82.5	84-6	84.8	85-6	85·6 85·5	85 · 8 85 · 8	85-7	85-0	84·3 87·1	86 • 5	84-3	83.0	81-6	81-5	81.5	82.0	
10	77•3	79-5	80-0	80-5	80-4	80-7	81.5	21.2	82-2	83-5	84-6	85-0	00.0	00-0	03.0	30-0	07-1	00-5	04-3	03-0		01-0			1
11	82-6	82.9	83-3	83.5	83-8	83-8	84-1	84-9	86 • 0	86 - 0	87-3	89-0	88-6	88-8	90-0		88-4	88-1	85-7	84-0	82.6	82-4	82-9	82.3	1
12	83-0	83-0	83.1	83-1	83-1	83-0	83 - 5	84.2	85 • 5	87-9	88-2	88.0	87-8	88•6	87-4		86 - 2	86 • 2	86 • 4	86-5	85-8	85-6	85-4	85.7	
13	85-7	86 - 2	85.5	85-0	83 • 4	82-6	83.9	84.7	85-7	86 - 8	87-4	87-9	88-1	87-8	87-0		86 - 5	86 • 1	85 - 7	85.5	85.8	85-8	85 - 9	86.1	1
14	86 • 1	86 • 1	86 - 2	86-1	86 - 2		84-4	85-4	86 • 5	86 • 7	85-8	85-4	86-1	86-8	87-2	•	86 - 8		85-8	85.7	84.5	84-8	84-6	84.8	1
15	84•3	83-6	84 • 2	85•0	84.9	84-8	84 • 2	84-1	84 • 4	84-6	86 - 0	86 • 6	87-1	87-3	86-1	84-6	85-3	83-8	82-2	82-8	83-6	83-6	83-7	83-4	
16	83-8	83-0	83-0	83-0	83-0	83-0	83-3	83-4	84-2	85 - 5	85-0	85 - 3	85-2	85 • 5	84.7	85-4	84 • 2	83-4	83.1	82.8	82.2	82.7	83-2	83.5	ł
17	82-6	83-0	82.3	82-6	82-5	82-3	82 · 4	82-5	81-6	82.2	83.9	84.8	85 • 5	85 - 7	85.7	85-0	84 - 5	84.0	83.9	83.7	82-9	82.7	82.7	82-6	ı
18	82-4	82.3	82.0	82.2	82-0	82-2	82.3	82.4	83 • 2	83.7	83.7	85 • 7	85.3	86-0	85.1	83.5	84.1	84-0	83.7	83.3	83.6	82.9	83-0	83.1	L
19	83-9	84-0	86 • 4	87-4	87-6	86 • 4	85-7	85-0	85 • 7	85-5	85.3	85.3	86 • 0	86-0	85.9	85-6	85.1	84·8 84·4	84-2	83.8	83-6	83-4	78-3	78-7	ı
20	83-2	83-4	83•4	83-4	83-4	83-1	83-2	83.7	85•3	86 • 6	87-6	86 - 2	87•0	88.1	86 - 4	86.0	85-6	04.4	03.9	03.5	01.0	00°£	10.0	10-7	l
21	78-9	77-0	76 - 2	75-0	74 - 7	74-4	74-2	76 • 3	78-0	80-6	82-7	84-4	85 - 2	85-5	85-3	83-3	83-4	82.8	82-7	82-7	82-1	81.7	81.5	81.4	ı
22	81-4	81-4	81.3	81-7	82-0	82-1	82.0	82.4	82-5	82.7	82-9	83.9	82-8	83.2	83.2	84.2	83-6	83-6	82-8	82.4	81.9	81.5	81.5	81-1	1
23	81-1	81.0	81-7	81-6	81.6	80-7	81.3	82-1	83-0	84.3	84.3	85-2	85 • 7	85-3	85-0	83-2	82-1	81-7	80-6	80-2	79-6	77-2	75-2	75-2	1
24	74-1	74-1	73-4	74-8	74-7	74-0	75-4	78-1	81-9	82 • 7	82-2	82-6	83 • 4	83-2	82.4	81-6	80-8	80.7	80-5	79.9	80-0	78-7	78-2	78.5	ŀ
25	79-0	79-1	78-2	77-8	76 • 6	77-0	78-2	80•5	83•0	82-6	84-2	85•3	85-7	85-8	83-4	85-0	84.5	80-5	78•4	76-8	75-3	74-8	75-1	74.5	1
26	73-7	73-4	72-5	73-1	74-0	74-1	74.5	76-8	78-7	80-2	81-3	81-7	82-1	82-7	82-6	82-6	82-2	82-0	82-0	81.8	81.9	82-0	82-3	83-0	١
27	83-6	84-4	83-8	83-7	82-6		82.9	83-7	84.5	85-3	87-0	88-4	88•4	88-7	88-2	86 - 5	86-0	84.7	84.9	84.3	84-5	84-6	84-6	84.4	ı
28	84-3	83-8	83-8	83-7	83.9	84-1	84.1	84-2	84-6	85-2	86-6	87.0	86 • 6	85-2	83-6	83.5	82.8	82-0	81.8	81-6	80-3	80-4	80-4	80.0	l
29	80-6	80-5	80-1	79-0	77-7	76-5	77-2	80.0	82-6	84.2	85-0	85 • 2	84.6	84.5	83.9	83.7	83.7	83-4	83.4	82-8	82.9	82.7	82·7 78·5	82·8 79·3	
30	82-4	81.2	80-0	80-6	80-7	81.0	81-2	80-9	80-5	82-0	83.1	83-6	83.5	82-4	83.1	80-5	81.4	79-6	77-4	76 - 6	79-1	78-2	10.3	19-3	1
V	970	93.5	91.0	91.0	90. B	90.6	03-0	99.5	92.6	94.6	95.9	9E.0	96.0	84 - 1	85.2	85.2	84.9	84.0	83-1	82.5	82-0	81.7	81.4	81.2	ł
Mean	81.3	81.3	81.0	81-0	80-8	80-6	81.3	82-5	83-6	84-6	85-3	85-9	86.0	<u>86·1</u>	85-8	85 - 3	04.9	34.0	03.1	06.0	ال-عدا	131-7	31-4	31-2	1

191.	ESKDAI	LEMUIF	R: Lo	ouvred	l Hut:	n _t =	0.9	metre	s														СТОВЕ	R , 19	935
Day 1 2 3 4 5	°A 79·6 71·7 81·6 74·4 82·2	°A 80·6 71·2 81·2 75·0 82·0	°A 80·1 70·8 81·0 74·2 82·2	°A 79.6 71.7 80.9 74.5 82.2	°A 80·9 72·6 81·0 74·5 82·2	°A 80·1 73·3 80·6 74·6 82·0	°A 80.6 74.4 80.8 75.0 81.7	°A 80·4 76·5 81·4 76·0 82·3	°A 80.9 77.8 81.8 80.0 82.1	°A 83·0 79·4 81·8 83·3 82·4	°A 83-8 80-2 83-4 82-4 82-8	°A 82.6 81.0 83.8 84.0 82.5	°A 83·6 81·4 84·4 85·6 83·7	°A 83·4 81·4 85·4 85·7 83·1	°A 83·5 81·4 84·9 84·7 83·1	°A 83·2 81·6 84·8 83·4 83·2	°A 82·9 81·2 84·0 83·4 82·5	°A 79•7 81•6 80•3 82•8 81•6	°A 78·6 81·3 79·4 82·0 81·4	°A 77-2 81-4 77-5 82-1 80-4	°A 75·9 81·4 76·2 82·3 79·1	°A 74·3 81·8 75·7 82·8 78·8	°A 73·3 81·9 75·1 82·6 79·3	°A 73-0 81-7 74-7 82-4 78-9	°A 80.2 78.1 81.1 80.2 81.8
6 7 8 9 10	78-8 80-5 81-6 77-3 79-9	79-8 80-1 81-2 77-2 79-6	80-0 79-8 81-6 76-5 79-0	79-6 79-5 81-4 77-2 79-0	80.0 79.2 81.7 77.4 78.8	79.6 78.4 80.6 77.4 77.9	79·7 78·4 80·4 77·4 77·8	81 • 7 79 • 0 80 • 5 79 • 0 77 • 6	82.5 79.8 81.8 80.0 76.4	81.7 81.4 81.4 80.6 77.9	82·1 82·7 81·1 81·9 79·0	82-4 82-5 82-4 80-9 78-7	83·4 83·7 83·6 81·2 80·5	83-8 83-6 82-6 80-9 81-0	83 · 2 83 · 3 82 · 2 80 · 8 80 · 4	82.5 82.5 80.7 80.4 80.2	82·1 80·6 80·0 80·4 79·1	81-2 80-1 78-9 80-4 78-3	81-6 80-0 77-8 80-3 78-7	81-6 80-6 77-8 80-2 78-8	81·3 81·7 77·8 80·1 78·9	81-2 81-8 77-7 80-1 78-6	80·7 81·8 77·4 80·0 78·3	80-7 81-4 77-2 80-1 78-2	81·3 80·9 80·5 79·4 78·9
11 12 13 14 15	77•7 74•7 81•5 83•9 82•3	77·1 75·4 81·4 84·1 82·3	77-8 76-0 81-7 83-4 82-5	77-4 76-6 82-1 83-2 82-8		77-9 74-4 82-0 82-4 82-6	77·9 73·8 82·0 82·4 82·2	78 • 7 77 • 3 82 • 4 82 • 6 82 • 8	80·2 80·0 83·0 82·7 82·8	80 · 2 80 · 4 83 · 7 83 · 3 82 · 8	80-1 82-4 84-1 83-8 83-3	80-0 82-1 84-1 84-4 83-8	80·9 82·4 85·0 84·0 84·2	80-2 83-4 84-2 84-4 84-0	80-5 83-1 83-9 84-1 84-0	79·2 82·6 83·1 83·8 84·2	79-3 82-5 82-8 83-6 84-8	78 · 5 82 · 0 82 · 9 83 · 3 85 · 3	77-6 81-7 83-2 82-4 85-6	77-0 81-4 83-4 82-1 85-9	76 · 7 81 · 7 83 · 7 82 · 6 86 · 0	74 · 7 81 · 7 84 · 4 82 · 6 86 · 3	75-8 81-2 84-7 82-5 86-2	75.0 81.3 84.8 82.6 86.4	78·3 79·6 83·1 83·3 83·9
16 17 18 19 20	86 •6 79 • 0 79 • 8 79 • 8 78 • 2	86 • 5 78 • 8 79 • 6 79 • 6 77 • 7	86 · 5 79 · 4 79 · 0 79 · 8 77 · 0	86 • 4 80 • 4 78 • 7 79 • 8 76 • 9	85.5 81.0 76.7 39.2 76.5	84.8 81.8 75.7 79.6 76.0	84·3 82·0 75·0 79·7 75·7	84 • 7 82 • 2 76 • 3 79 • 0 75 • 8	83-7 82-3 78-8 79-2 77-7	83.8 82.7 80.1 79.9 77.7	85.6 82.6 81.1 81.0 77.9	85-4 82-9 81-6 80-1 77-3	84.6 82.7 81.7 81.2 78.0	84.8 81.5 81.2 81.0 78.0	83.8 81.8 82.8 81.0 77.8	82.8 82.1 83.4 80.9 76.6	82·1 81·2 83·4 80·7 74·6	81-5 80-7 83-7 80-2 72-1	80.7 80.3 83.8 79.8 71.2	80·0 80·2 84·3 79·4 71·4	80·7 79·7 84·6 78·7 70·6	80-5 79-7 80-6 78-8 70-6	80-4 80-0 80-7 78-4 70-2	78-0 80-4 80-0 78-3 70-3	83-7 81-0 80-5 79-8 75-4
21 22 23 24 25	70-5 72-0 74-6 78-8 78-0	70-8 71-9 73-7 78-7 77-8	71.6 71.6 73.1 78.6 77.4	71.2 71.0 73.0 78.5 77.0	71.0 70.6 73.6 78.4 77.0	72·0 70·8 73·8 78·4 76·7	72·2 71·4 74·0 78·4 76·7	73-2 72-0 74-3 78-6 76-7	73 · 7 72 · 8 76 · 4 78 · 7 76 · 9	74.7 74.0 78.1 78.8 77.1	75.0 75.0 78.8 79.0 77.3	76.0 76.5 79.8 79.0 77.7	77·3 77·3 80·4 79·0 79·0	77.0 77.1 80.7 78.9 79.2	77.5 77.3 80.7 79.0 79.3		74.6 76.7 80.0 78.8 78.3		74·4 76·1 79·4 78·6 77·9	74·1 75·6 79·6 78·5 77·8	73·7 75·5 79·6 78·5 77·7	72·5 75·3 79·5 78·5 77·7	72.0 75.5 79.2 78.5 78.0	72·1 75·0 79·0 78·3 78·0	73-5 74-3 77-5 78-7 77-7
26 27 28 29 30	77-9 80-7 85-2 85-1 75-7	77-3 80-6 85-1 85-0 76-0	76 • 9 80 • 3 84 • 9 85 • 0 75 • 8	76 • 9 80 • 5 84 • 6 84 • 8 76 • 5	77•4 80•3 84•1 84•7 77•2	77-8 80-4 83-6 83-8 77-3	78-6 81-0 81-6 82-9 77-7	78-5 81-4 82-2 82-6 78-6	79-4 82-4 82-6 82-5 79-5	81.0 85.2 82.7 82.1 80.3	81-6 85-5 82-6 82-7 80-8	82·3 85·8 83·2 82·3 81·2	83-2 85-9 83-2 80-8 80-3	80-6	84.6 86.0 82.9 79.0 79.9		85·1 85·6 82·8 77·0 78·5	85.5 85.5 83.3 76.8 79.0	83-6 85-4 83-4 76-6 77-7	82·2 85·2 84·1 76·3 77·4	82·0 85·6 84·9 76·8 77·2	81.7 85.7 85.2 76.9 76.6	81·3 85·6 85·3 75·8 76·2	81-1 85-4 85-1 74-7 75-8	80-9 83-7 83-7 80-7 78-1
31 Mean	74·7 78·8	75•6 78•8	75•7 78•7		75·1 78·6	75•0 78•4	75-1 <u>78-4</u>	75-4 79-0	76 • 6 79 • 8	77-9 80-6	<u> </u>	79·2 81·5				 	_	 -	76 - 4 79 - 9		76 · 7 79 · 6	76 · 8 79 · 3	76 · 9 79 · 2	77-2 79-0	76 - 7 79 - 9
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

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

192. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulb above ground) = 0.9 metres

NOVEMBER, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day 1 2 3 4 5	76 · 6 75 · 6 77 · 9 84 · 3 75 · 1	°A 76 · 2 76 · 6 76 · 0 83 · 8 75 · 1	°A 75.5 77.0 76.5 83.0 74.0	°A 75•1 77•4 76•7 ∘81•7	°A 75·3 77·4 77·4 81·3 73·5	°A 75-6 77-6 79-1 81-1 73-7	75.6 77.6 80.4 80.8 74.9	°A 75·5 78·5 80·5 80·7 74·2	°A 76·9 80·2 82·7 81·3 76·0	0A 78•7 80•5 83•8 82•4 77•6	79.0 81.8 84.1 82.6 79.0	°A 79-6 82-5 84-7 82-6 79-9	°A 79·7 82·0 85·7 82·4 81·8	°A 79·2 82·5 86·1 82·6 81·1	78.2 82.5 86.3 82.1 81.0	°A 78-6 82-0 85-8 81-4 80-7	°A 76 · 8 81 · 2 86 · 0 80 · 5 80 · 4	°A 76.9 81.0 85.8 79.6 80.2	°A 76·1 80·3 85·3 78·6 79·2	°A 76.5 80.1 85.2 75.8 77.8	°A 74·9 79·8 84·8 76·0 78·0	°A 74·5 78·2 84·7 76·0 78·1	°A 75-9 78-2 84-7 76-1 76-5	°A 75·0 78·5 84·2 75·7 75·3	°A 76 · 8 79 · 5 82 · 6 80 · 7 77 · 4
6 7 8 9 10	74·5 76·8 76·8 77·4 72·4	73-8 76-9 77-2 76-9 72-6	72-6 77-0 77-4 77-0 74-0	71-9 77-0 77-5 77-6 74-3	76 • 8 77 • 6 77 • 9	71·3 76·5 77·3 77·9 75·2	71·1 76·4 77·5 78·1 75·3	71·1 76·7 77·6 78·6 75·7	72-0 76-9 77-9 79-0 76-3	74.0 79.3 79.0 79.2 78.2	76.0 79.7 80.1 79.7 78.4	77-6 81-2 79-6 79-5 79-2	79-4 79-6 80-1 78-6 79-0	79·3 79·5 79·4 78·4 78·4	78-8 79-2 78-8 78-3 78-3	77-8 77-9 77-5 78-0 78-1	76 · 2 76 · 1 76 · 6 76 · 4 78 · 0	75-2 75-9 76-3 74-7 78-2	75·3 75·9 76·3 74·4 78·0	75·4 75·8 76·3 73·6 77·5	75.0 75.7 76.4 71.8 77.6	75.6 76.6 76.3 73.2 77.8	75.9 77.2 76.3 72.8 77.9	76 • 3 77 • 0 76 • 8 73 • 5 77 • 7	74·9 77·4 77·6 76·8 76·7
11 12 13 14 15	77•3 78•9 73•6 74•0 74•9	77-3 78-7 73-7 74-1 75-5	77-4 79-1 73-9 75-0 75-9	77•4 79•7 73•6 75•1 76•2	77·3 78·6 73·4 75·9 77·6	77·1 76·7 73·6 76·5 77·5	77-2 76-3 73-7 76-7 77-4	78-1 76-7 74-0 77-3 77-4	79·1 76·7 74·3 76·7 77·4	79·7 76·8 73·8 77·0 77·9	80·0 78·0 75·0 78·1 78·7	80·1 78·0 75·0 78·3 79·4	80·4 79·5 74·6 79·0 79·2	79-6 78-8 75-3 79-1 77-4	79.6 77.8 75.5 77.6 78.1		78·2 75·7 74·2 75·7 76·1	77.9 74.7 74.0 75.4 76.0	77·7 74·8 73·9 74·0 76·0	78·1 74·6 73·9 73·2 75·9	78·4 74·0 74·0 73·9 75·5	78·4 73·8 73·8 74·4 75·6	78·7 73·7 74·0 74·3 76·1	79-0 73-6 74-4 74-6 76-0	78-4 76-8 74-2 75-9 76-8
16 17 18 19 20	75-9 74-4 79-8 76-0 78-0	75-9 74-1 79-7 76-0 78-2	75.0 73.6 79.6 76.9 78.4	75·2 73·6 79·7 76·1 78·4	76 · 1 74 · 3 79 · 6 76 · 2 78 · 4	76 · 3 74 · 9 79 · 5 76 · 0 78 · 4	76 • 4 75 • 6 79 • 6 75 • 3 78 • 6	76 · 7 76 · 4 79 · 6 74 · 7 79 · 0	76 • 7 77 • 3 79 • 5 75 • 0 78 • 9	77-2 77-8 79-7 75-3 79-0	77-6 78-4 79-8 76-9 79-4	78-2 78-9 79-8 77-8 79-8	78.5 79.8 79.6 79.0 79.3	77-9 80-2 79-8 79-1 79-1	76 • 5 80 • 0 79 • 0 78 • 2 79 • 0	76.6 79.7 78.8 77.8 79.2	76.0 79.8 78.0 76.9 79.2 78.9	76·1 79·4 77·8 77·8 79·3	75.4 80.0 78.1 78.0 79.5	75.0 80.3 77.6 77.8 79.6	74.5 80.3 78.4 77.0 79.6	74.8 80.2 78.1 77.6 79.2	73.9 80.1 76.1 78.0 79.2	74.0 80.0 76.1 77.5 79.0	77 · 8 79 · 0 76 · 9 79 · 0
21 22 23 24 25	79.0 77.1 76.2 67.0 72.6	78-9 77-0 76-0 67-0 71-5	78.9 75.6 74.7 66.1 71.0	78-6 76-8 74-2 66-2 72-0	73·3 66·4 72·9	78.5 77.2 74.0 66.7 73.8	78-5 77-2 73-6 67-7 76-0	78-4 77-0 73-3 68-8 75-9	78·4 77·3 73·9 69·1 76·1	78·4 77·9 75·8 70·3 76·8	78·4 78·4 77·2 71·9 76·5	78.5 78.7 77.2 73.2 76.5	78·7 78·1 77·3 74·4 77·4	78-6 78-4 77-0 75-0 77-4	78-8 77-7 76-2 74-9 77-4	79-0 77-0 74-2 74-6 76-9	77.0 72.8 76.7 77.2	76.9 71.3 75.3 77.6	76 • 7 71 • 0 75 • 4 77 • 9	76 · 8 70 · 4 75 · 2 77 · 8	76-6 70-0 74-7 78-2	76 · 4 68 · 6 74 · 4 78 · 9	76 · 2 68 · 4 74 · 0 78 · 6	76 · 3 67 · 8 73 · 4 78 · 6	77 • 2 73 • 7 71 • 5 76 • 0
26 27 28 29 30	79•4 76•6 80•7 77•4 75•0	79.2 76.7 81.1 77.9 74.9	79.0 76.8 81.4 77.6 75.1	79•0 77•0 81•9 77•6 75•0	77•0 82•1 77•8	77.0 82.6 77.8 74.9	75·4 82·7 77·8 75·2	75.5 82.7 78.2 75.6	76.3 82.4 78.2 75.6	77·4 82·1 78·7 76·0	77.9 81.8 79.3 76.3	78-6 81-8 78-6 76-7	78-6 82-0 78-5 76-8	78 • 7 82 • 0 77 • 3 76 • 8	78·3 81·4 77·2 78·3	78 · 4 80 · 7 76 · 9 76 · 5	78-6 79-8 76-5 76-2	78•7 78•7 75•9 75•6	78.7 78.5 75.7 73.4	78·9 78·5 75·2 73·5	78 · 8 78 · 9 75 · 9 74 · 9	78·7 78·8 75·7 75·2	79-3 78-2 75-8 75-1	79-9 77-9 75-8 74-4	77•8 80•8 77•2 75•4
Mean	76 - 4	76 • 3	<u>76 - 2</u>	76 • 2	76•3	76 ∙ 8	76 • 6	7 6 • 7	77-2	77-9	78-6	79•0	<u>79-2</u>	79•1	78•7	78-2	77-6	77•3	77•0	76 • 7	76∙€	76 • 6	76 - 5	76 • 4	77-2

195.	ESKDALEMUIR:	Louvred	Hut:	nt =	0.9	metres	

DECEMBER, 1935

Day	. OA	OA.	οA	٥A	o _A	٥A	٥A	°A	٥A	°A	OA.	O _A	OA.	°A	°A	°A	o _A	°A	οA	°A	°A	°A	O _A	A°	°A
1	74.3	73-8	73-7	73-6	73-4	73-5	73-7		74.0	74-4	74-1	74-1	74-4	74-7	74-6	74-4	74-1	74-6	74-7	74-6	74-5	74-7	74-7	74-4	74 -
2	74-5	74-6	74.7	74.4	74-6	74-9	74-8	74.4	74.7	75 • 4	75.7	75.7	75.5	75-6	75-4	75-0	75.0	75-0	75-6	75.5	76.0	75-7	75-7	76-0	75.
3	76 • 0 74 • 8	75 · 7	75·6 75·2	75·3	75·5 75·4	75·3 75·1	75 • 2	75·3 75·1	75·1 75·0	76 • 0 75 • 8		76 · 6 75 · 9	76 • 2 76 • 0	76 • 3 75 • 5	76-2	75-9 73-6	78-0	75·9 72·2	75·6 71·4	75.7	75-2	74-8	75-4	74 • 8 73 • 1	75 ·
5	73.2	72.5	71.7			67-0		64-8		66-6				74-0		70-9	71.2		73-6	73.7	73.9	73-2	74-0	73-8	71.
Ĭ		0			55 5	0.0	000	020	00 2	00.0	00 2					1.00			''				1.2		l '-
6	73-8	73-8	73-2	73-8	74-2	73-0	72-2	72-0	72.2	72-0	72-7	72-9	72.7	72-0	71.2	70-4	68-7	67-6	67-5	66 • 5	65-7	65-4	65-4	65-9	70-
7	65-4	65-7	66-3	67-8	68-4	69-4	70-0			72-4		73.5	73-6	73-9	74-1	73-8	74.3		74-7	75.2	74-6	75.0	76-2	75-8	71
8	75-4 75-9	75 · 8 76 · 4	75·4 75·8	74·7 75·2	74·6 75·1	75-2	74-7		75.0	75.2		75-5	76 - 0	75-8	76-2	75-4	76 - 7	76 - 4	76 - 8	75-8	76.3	75·6 76·1	75-1	75·1 76·3	75 76
10	75-7		75.7		76.0			75·7 74·8			78-2	77-9		77-9	78-0	77.5	77-2		77-2 75-6	77-2	77-2	73.9	76-6	73-0	75
	' '				,		.0.0	12.0	74.5	/0-2	10.4	10-0	10-0	10.	1.0.0			10.1							'`
11	73-4		72-0		72-2	73-9			74-2	75-0	76-0	76-0	76-0	76-0		75-9	75-7		75-8	75-9	75-9	76-0	76-1	76 - 4	74
12	78-0	76-0	76-0	76 - 1	76.1	76 - 3	76 - 3	76 - 3	76 - 3	76 - 5	76 - 6	76 - 7	76 - 9	76 - 7	76-6	76-2	76 - 0	75-8	75-7	75-6	75∙6	75-4	75-0	75-0	76
13 14	74-9	74-9 73-7	75·0 73·6	74·8 73·6	74·6 73·4	74·5 73·4	74-6	74·5 73·5	74·5 73·4	74.8		75-9	76 • 2	76 · 2 72 · 8		75·4 72·3	75.0	74·7 72·3	74-4	74.0	73-8	73·8 72·7	73-8	73·7 72·8	74 73
15	73-0	73-1	73-1	73.2	73-3		75-1			73-6 73-8		73·5 74·3	73.6			73.8			73.9	73.2	73.0	73-0	73-4	73.2	73
	'' '										1.00						1.0 .]	``
16	73-2	72-4	72-3	72-4	72-0		70-5		71.1	73-0		73-3	73-0	73-0	72-9	69-7	67-5	66-6	66-4	67-7	69-2	70-6	71-0	71-8	71
17	71.9	73-0	73-1	72-8	73-4	73-6			72-8	72.9	73-4	74-0	73-6		73.3	72-8	72-2		72.0	72-0		73-8	72-5	72.6	73
18 19	72-6	71 - 3	70·8 73·1	71·2 73·3	68·4 72·9	68-2	66 - 6 72 - 8	65.9	65·9 71·4	66-1		89-0	69-9	70·3 72·7	69-6	68-9	68-7	68-6	68-5	66.3	71.9	72-0 68-3	67-7	73·0 66·1	69 70
20	65-6	65-4	65-0				67-0			68-0	73-0	73.0	74.5			73.0				73.5		71-0	70-1	70-6	70
,	00 0				30 0		J. 0	-	000	000			,,,,	•								"			``
21	68-6	68-0	67-9	66 • 3	85-5	65-7	64-5	64-3	64-0	65-8	66-2	68-1	69-9	71.6	72.7	71-0	70-7	71-0	72-2	72-2	70-9	71.2	69-6	69-3	68
22	72.2	73-6	73-0	72-4	72-2	71.0		71.9	72-1	72-4		73-7	74-2	73-3	72-3	71.4	71-6	71.8	71-6	71.9	73.2	72-3	70-3	67-2	72
23 24	66-8	65-8	65-6	64-1	62-8		62-0		61-5	63-0		66.8	67-9		67-3	65-3	64.7		64.3	64-0	64.7	66 - 6 74 - 6	74-4	67·3	64 72
25	68-0 74-1	74-1	67-9 74-0		69·0		_	75.0	74.0	74·3		74-6	76 • 4		73-4	77.0	74 - 4		74.3	74-3	74-3	77-9	77.7	77-9	76
			,,,,,	14-5	14-1	, 2.0		10-0	140	70-3	10-0	10-0	10.4	10-0	10-1	'''	1.0.0	' '	'''-	' ' '	•	(' ' '		'' -	ı "
26	77-8	78-0	78-1	78-3	77-1	77-6	78-5	78-7	78-8	79-0	78-6	78-6	78-6	78-6	78-1	77-6	77-6	77-4	77-1	77-0	76-9	77-3	78-0	78-6	78
27	79-1	79-4	79.7		79 • 6	79-6	79-2	79-0	78 - 7	78-6		79-2	79-5		79-1	78-4	78-1		78-3	78-4	78-3	78-2	78-2	78-1	78
28 29	78-0	78-0	78-0	78-0	77-9	77-8	77-6	77-5	77-3	76 - 6		76 - 9	78-0	77-8	77.1	76 - 2	76 - 4	76 - 1	76.6	76 - 6	76 - 3	76 - 2	75-6	75-0	77 75
30	74-6	74-8	74-4		74.6		75.0	75-0	74.9	75.1	75-3	75·8 79·1	76 - 1			78 · 1 78 · 3	75.0		75.4	75·1 77·6	75-4	75·7 77·2	76-0	76·5	78
•	,5-4	70-7	,0-8	1,7-2	11.0	18-0	15-1	18-0	18-7	18-1	19-2	1,8-7	1 '*-0	18-0	15-0	10-3	100	,,,,,				' ' *	1		ľ
31	75-1	73-2	74-0	73-0	73-6	74-0	74-6	75-0	75-6	77-2	78-6	78-7	78-6	78-4	78-8	79-3	79-6	79-2	79-2	79-0	77-8	78-3	77-8	77-4	76
Mean	73-4	73-4	73.3	73-2	<u>73-0</u>	73-1	73-1	73-1	73-1	73-7	74-3	74-8	<u>75-1</u>	75-0	74-6	74-0	73-8	73-6	73-7	73-7	73-8	73-8	73-8	73-6	73
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	1
G. M. T.								_		L	_	1		i] -								

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

194. ESKDALEMUIR: Louvred Hut: ht = 0.9 metres

1935

Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	°A	°A	° <u>A</u>	° <u>A</u>	°A	°A	°A	°A	°A	° <u>A</u>	° A	°A	° <u>a</u>	°A	° <u>A</u>	° <u>A</u>	° <u>A</u>	°≜	°≜	°A	° ≜	°A	°≜
78•41	78•33	78-17	78•11	78•18	78∙47	79•04	79-73	80•45	81∙21	81-89	82•37	82∙63	82∙72	82-59	82-22	81∙80	81•20	80∙54	79-84	79∙38	79-02	78•83	78-58	80•15

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES

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

195. ESKDALEMUIR: Louvred Hut: ht = 0.9 metres

1935

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18`	19	20	21	22	23	24
		OA.	°A	O _A	ÓΑ	οA	O _A	O _A	O _A	οA	°A	°A		° <u>A</u>	ÓΔ	° <u>A</u> .	∘ ▲ .	o <u>v</u>	•▲	OA.	°A	o _A	•▲	•▲	°A
Jan.	276 - 07	-0-44	-0-26	-0-39	-0-43	-0.31	-0-47	-0-51	-0-52	-0-48	-0-15	+0-42	+0-80	+1.05	+1.30	+1.09	+0-64	+0-28	+0-02	-0-15	-0-26	-0-36	-0-31	-0-27	-0-28
Feb.	276 • 30	-0-49	-0-58	-0.54	-0-57	-0-64	-0.64	-0.80	-0.77	-0-34	+0-24	+0•73	+1.16	+1-43	+1.51	+1.51	+1.27	+0.65	+0-23	-0.14	-0-63	-0-67	-0-71	-0-66	-0-56
Mar.	277-85	-1-31	-1-30	-1-44	-1.54	-1.54	-1-68	-1.53	-0-91	-0-00	+0-85	+1-65	+2.10	+2-42	+2.51	+2.56	+2.05	+1.51	+0-51	-0-23	-0-59	-0-77	-1-00	-1.10	-1.23
May June	278•34 280•95 284•87	-3·96 -2·51	-4·18 -2·57	-4·39 -2·61	-4·65 -2·75	-4·33 -2·34	-3·29 -1·57	-1·72 -0·70	-0-32 +0-07	+1.13	+2·41 +1·30	+3•32 +2•03	+4-09	+4·59 +2·66	+4.78	+2.34	+2-49	+2-25	+1.81	+1.46	+0-01	-0-92	-1.68	-2.07	-2·36
July	286 - 72	-3-26	-3-57	-3-94	-3-98	-3.65	-2-39	-0-78	+0.52	+1.33	+1-98	+2-68	+3.17	+3-27	+3.49	+3.43	+3.01	+2-97	+2-50	+1-46	+0-06	-0-99	-1.91	-2-40	-2-99
Aug	286.53	-9.63	-9-94	_3.90	_9.33	_3.23	_2.67	1_1.33	-0.17	+0.90	+1 • 75	+2.56	1+2+98	+3.37	+3 • 39	+3-35	+3.17	+2 • 70	+1.80	+0+891	-0•35	-1.17	-1.67	-1.87	-2.20
Sept.	283-05	-1.85	-1-85	-2.11	-2.11	-2-33	-2-46	-1.76	-0-56	+0•50	+1.53	+2-22	+2-80	+2.98	+3-09	+2.81	+2•31	+1.88	+0.95	+0-12	-0-52	-0-97	-1.31	-1.57	-1.81
Mov.	279·89 277·24 273·75	_0.21	_1.00	_7.11	_1.03	_0.94	-0-81	-0.73	-0.54	_0.08	+0.64	+1.35	+1.74	+1.99	+1.82	+1.45	+0.94	+0.40	+0.05	-0.5T	-0-45	-0.57	-0.98	-0.00	-0.75
Year	280-15	-1.74	-1.83	-1.99	-2.05	-1-97	-1-69	-1-11	-0-43	+0-29	+1.05	+1.74	+2-22	+2-47	+2.56	+2-43	+2-07	+1.65	+1.05	+0-39	-0-31	-0.77	-1.13	-1.33	-1.57

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

196. ESKDALEMUIR: Louvred Hut: ht = 0.9 metres

1935.

Month	Ja	n.	Fe	b.	Ma	r.	Ap	r.	Ma	y	Jun	е	Jul	y	Au	g.	Sep	t.	00	t.	No	v.	De	ec.
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Mir
	OA.	OA.	o _A	o _A	O _A	OA.	°A	O _A	°A	O _A	. OA	O _A	°A	οA	O _A	O _A	°A	OA.	OA.	°A	OA	OA.	OA.	0,
1	82.7	77-7	82.9	77.1	79-2	75-0	82-5	74-4	86-6	77-1	88-9	74-9	88-8	85-3	94-3	78-6	89-4	83.5	84.7	72.9	80-2	73-9	75-0	73
2	84.0	81-6	82.9	72-5	79-6	75-0	80-0	73-2	85-9	77.9	86 - 2	73-9	92-6	85-4	91.6	79-8	87-8	82-4	81.9	70-8	82-7	74-6	76-2	74
3	83.3	79.5	77-7	70.2	77-4	74.3	80.1	72-2	90-1	77.5	87-7	79-0	89-6	82-6	92.9	78-0	87-7	81.3	85-8	74-4	86 - 8	75-9	76 - 6	74
Ā	80-2	74-4	78-2	74.7	80-0		79.0		91.3		86 • 4	78-9	89.9	85-6	91.1	80-2	88-2	76-8	86-1	73.7	84.4	74.7	76 - 6	71
5	77-0	72-7	76-8	73-1	78-4		79-4		92.9	78-0		80-8	88 • 7	83-2	91.0	85-7	89-6	79-8	83-7	78.5	82.0	73-2	74.3	64
6	76-6	73-3	76 - 0	70-0	81.2	73-7	82-3	70-3	91.4	79-4	88-1	77-5	90-8	79-9	95-4	81.0	88•4	75-6	84-6	78-2	80-0	70-0	74-3	64
7	75.2	71.9	76 - 2	67-0	84.3	74.1	78-0	70-5	87-6	77-0	87-5	82-1	94-2	77-2	94-0	80-4	87-6	74.4	84-4	78-2	81-2	75-4	76 - 4	68
ė	74-1	66 • 9	76 - 7	70-6	79.9		81.0	75-0	91-0	74.4	85.0	75-6	96 - 2	81.2	93-8	85.3	87.3	74.5	83-7	77-0	80-5	76-2	77-3	74
9	74.6	67-4	78-2	72-2	74.6		83-4		85-7		87-5	71.7	95-4	80-0		81.9	86.1	77-3	82-5	75-7	79-9	71.7	78-6	74
10	79-7		78-4	74.5	76 • 6		82-2		85-4		85.3	81.0	90.7	80-2		85-4	87.4	77-0	81.6	76 - 3	79-4	71-6	77-1	7
11	79-5	72-8	80-2	77-6	80-6	71-9	81.2	76-3	90-4	77-8	87-9	81-3	94.6	77-7	90-3	83-7	90-4	81-9	81.7	74-4	80-6	77-0	76 - 4	72
12	73-6	69-6	80-4	74-4	83-0	71-1	83-7	71-0	83-0	72.5	86 • 4	80-4	97-2	82-5	90-0	78-1	89.3	82-6	83.5	73-7	79-7	73-6	77-0	7
13	77.4	67-6	81-0	77-3	82-1	72-1	80-6	70-0	84.5	70-3	86 - 7	78-8	96.0	81-9	88-6	75.5	89-0	82-2	85-8	81.2	75-5	73-2	76 - 3	7.
14	82-6	77-1	80-0	75.7	81.4		79-0		81.8	70-7	88-1	78-4	90-5	81.0	89-8	83-9	87-5	83-2	85-1	81.9	79-3	73.2	73-8	7
15	83-0		83-7	76 - 6	77-3		82-6		78-2	67-0		78-3	93.7	83-7	88.6	79-6	87-9	82-1	86.4	82-1	79-5	74-6	75.7	7
10	100.0		-		•				1		1	}							00-4					
16	79-4	74.6	83-4	75-8	82 • 7		76 - 9	75-3		71.6		79-5	88-5	84.3	90-4	80-5	86 • 6	82.0	<u>86 · 6</u>	78-0	78-8	73-1	73.5	
17	78-4	70-7	80-4	76 - 2	81.9		80.7		79-7		86.3	79-1	89-2	82-0	91.4	86-8	87-2	81.4	83-0	77-8	80-4	73-3	74.1	7.
18	77-8	75-6	81.7	79・1	82•4	77-8	82-4	75-9	83-6	73-3	85-3	76 - 9	88-1	79-8	93-2	86 - 9	86-3	81.9	84.7	74-6	80-0	75-6	73-9	6
19	76 • 5	75-5	81-8	77-7	85 • 2	77-9	84.7	76 • 3	85-0	71.9	87-7	73.7	88-5	78 - 7	91.6	87-1	87-8	83.1	82-0	78-0	79-2	74.5	73-6	6
20	76 • 4	73-9	81.3	78-4	<u>85-6</u>	77-0	85-8	78-6	85•8	72-3	89-2	84-4	88-8	82-9	92-5	86 • 4	88 - 2	78-2	78-6	69-9	79-6	77-5	75-0	6
21	80-4	71-3	79-3	74-5	79-7	77-0	87-3	77-2	86 - 7	74-3	87-6	84-6	90-1	78-7	94-4	78-8	85-6	73-2	77-6	69-6	79-1	78-0	72-7	6
22	79-3	71.0	78-9	71.2	82-3	77-8	85-6	76-0	87-2	73-4	98-2	86 - 1	91.8	79.5	91.6	77-1	84-6	81-1	77.5	70-1	79-0	75-3	74-4	6
23	82-4	78-5	75-5	63-4	81.8	77 • 4	83-2	78 - 7	81.2	76-8	99-7	88-2	95-6	85-8	92-6	76-4	86-0	74-9	81.0	72-2	77-5	67-4	68-4	6
24	82-5	77-9	75-6	63-5	84-0	77-0	84-2	73-7	86 • 6	75-2	96 • 4	87-4	93-0	79-8	97-2	84-8	83-7	73-1	79-1	78-3	77-0	66.0	75-0	6
25	81.1	71-8	75-0	68-2	83-0	80-4	81.9	72-4			93-0	86 • 0	91•3	76-2	89-9	85-4	86 • 3	73-2	79-6	76 • 6	78-9	70-8	78-2	7
26	75.5	72-1	76 - 5	61-6	83-7	77-6	84-6	76 • 6	87-2	77-7	89-8	86.0	92-0	84-7	88-5	82-3	83-0	72-3	85-2	76 - 8	79-6	76-0	79-2	7
27	73-6	67-2	75-4	72-8	84.7	72-0	85-2	75-8	90-4	77-6	86 - 9	84-6	89-5	84-6	88-0	75-1	89-2	81.5	86.1	80-2	79-9	74-7	79-8	7
28	73-3		78-6	74.8	82-6	69-8	84 - 5		91.9	76 • 6	92-4	85-0	88-8	81.8	88-6	73-2	87-1	79-6	85-4	81.4	82-8	77-9	78-6	7
29		69.1			80-7	76.9	86 - 4	75-3	89-8	77-3	94-1	84-6	89-9	79.4	88-5	79-1	85-6	76-0	85.2	74.7	79.4	75-1	76 • 6	7
30	79-8				81-6	77-6	85•6	74.5		76-6	92.0	85.1	92.7	74.5	86 - 8	81.7	84-1	76 - 2	81.4	74-7	77-0	73-3	79-8	7
31	79-1	75-8	1		84-7	77-2			88•4	76 - 0			93-4	76 • 1	87-9	83-8			79-6	74-6			79-6	7
Mean	78-6	73-1	79-0	72-9	81.4	74.7	82-5	74-4	86 • 6	75-2	89-2	80-8	91.6	81.2	91.2	81-4	87-2	78-7	83-0	76 • 0	80-0	73-9	75-9	7

RELATIVE HUMIDITY Percentages at exact hours, Greenwich Mean Time

197. ESKDALEMUIR: Louvred Hut: ht (height of thermometer bulbs above ground) = 0.9 metres

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						-																				
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day 1 2 3 4 5	% 94 94 86 77 82	% 94 94 89 76 72	% 96 94 89 74 84	96 95 91 74 75	% 93 91 89 76 72	93 91 88 77 79	% 94 93 88 74 75	% 96 92 92 75 77	% 99 89 94 80 72	% 96 90 98 75 68	\$ 96 87 96 72 67	98 89 93 70 65	98 89 91 67 65	% 98 83 90 63 64	% 98 83 91 69 72	% 96 82 90 71 77	91 84 91 74 80	% 92 82 94 71 80	% 96 78 88 80 76	% 95 84 83 77 82	% 94 89 82 74 79	% 94 89 82 73 78	% 96 91 83 75 77	% 95 92 76 75 74	% 95 • 3 88 • 6 89 • 3 73 • 7 74 • 7	mb. 10-0 11-0 9-7 6-4 5-2
6 7 8 9	74 90 91 93 96	73 92 93 95 97	74 89 93 96 97	74 90 94 97 97	74 90 94 97 90	78 89 95 96 90	77 85 97 96 94	78 82 96 97 95	75 80 97 97 94	73 84 97 97 91	74 87 96 97 91	72 87 93 94 97	73 90 88 92 94	81 90 85 91 96	76 91 87 91 94	76 92 89 91 94	78 92 91 91 94	85 92 92 92 93	82 94 92 93 91	80 90 92 95 88	89 90 93 96 91	87 92 92 96 93	87 92 92 96 90	92 92 92 96 91	78•0 89•3 92•6 94•6 93•3	5•5 5•7 5•0 5•2 8•4
11 12 13 14 15	86 93 86 92 86	86 91 84 93 87	86 89 81 93 86	91 91 81 93 88	89 87 81 86 81	91 80 80 82 78	90 80 83 82 86	91 81 84 83 96	88 80 85 85 93	87 80 85 79 97	94 79 83 76 91	94 79 85 78 93	88 77 90 81 91	85 70 92 79 91	85 74 93 81 92	83 74 93 83 97	85 76 95 86 98	91 77 95 87 98	82 80 95 85 97	89 83 95 83 97	92 84 94 85 96	90 86 94 87 97	97 87 93 83 96	94 89 90 86 97	88.9 82.1 88.2 84.6 91.8	7•2 4•7 4•6 8•6 8•8
16 17 18 19 20	98 91 81 91 91	97 91 81 93 89	98 93 81 94 89	96 93 79 94 91	97 89 85 93 90	93 92 81 91 90	91 93 82 93 91	94 94 86 93 91	91 95 82 90 93	94 93 82 90 94	94 89 81 90 95	94 85 82 87 93	99 74 87 88 91	94 77 87 88 91	96 77 80 87 91	99 82 83 90 91	99 78 85 90 90	100 80 85 90 91	100 82 84 90 85	98 82 85 91 85	98 84 85 91 87	98 84 85 91	90 82 87 89 88	95 81 88 89 88	96 • 0 86 • 2 83 • 4 90 • 5 90 • 3	8•4 6•4 6•8 6•9 6•5
21 22 23 24 25	87 96 79 79 76	84 79 79 80 79	82 80 78 89 84	87 90 83 96 83	89 91 86 84 80	92 93 82 81 87	92 95 80 83 96	92 95 77 81 89	92 94 83 90 93	85 92 86 93 85	75 93 84 94 99	71 95 76 94 94	70 89 71 96 85	66 78 70 89 89	69 79 71 86 88	73 80 72 87 90	76 81 67 94 91	85 80 67 94 87	84 82 69 93 78	89 80 76 89 69	91 80 76 91 78	93 79 74 82 78	95 75 75 84 70	96 81 76 78 70	83·8 86·0 76·6 87·7 84·3	6•0 6•5 7•5 9•0 5•7
26 27 28 29 30	89 69 80 92 97	84 69 83 93 96	85 67 85 94 93	71 72 87 87 94	71 73 88 85 94	72 73 89 81 96	67 73 90 82 96	63 74 91 80 98	69 73 91 80 98	70 70 90 85 96	70 70 85 77 96	64 67 80 83 96	67 69 80 74 95	67 68 81 72 96	83 69 94 71 88	65 70 96 80 83	64 73 97 83 80	62 74 98 86 79	65 73 99 89 85	69 74 99 91 80	70 72 99 93 71	70 73 99 96 71	70 74 99 98 71	71 77 99 97 77	70•7 72•4 90•3 85•4 89•0	4•6 <u>3•9</u> 4•4 5•3 6•8
31 Mean	82 87•0	80 86+2	82 86+9	82 87·5	80 86·0	7 8	81 86·4	78 86·9	77 87·1	71 86·2	67 85·3	66 84·3	68 83·1	69 81·9	72 83·2	73 83·9	73 84·7	80 85·8	7 8	74 85·3	74 86·1	76 86·1	80 85•9	78 86·2	75 • 7 85 • 6	6·2 +6·7
Vapour Pressure*	mb. 6•4	mb. 6•5	mb. 6•5	mb. 6•5	mb. 6•4	mb. <u>6·3</u>	mb. 6•4	mb. 6•4	mb. 6•4	mb. 6•5	mb. 6•7	mb. 6•8	mb. 6•8	mb. 6•8	mb. 6-8	mb. 6•7	mb. 6•6	mb. 6·5	mb. 6•4	mb. 6•4	mb. 6•4	mb. 6•4	mb. 6•4	mb. 6•4	mb. ‡6•5	

198.	ESKDALI	EMUIR	Lou	vred l	Hut:	h _t =	0•9	metres	š
_	Τ.					<u> </u>	T .		Г

FEBRUARY, 1935

																									nomi,	-///
Day 1 2 3 4 5	% 78 86 75 98 89	% 84 89 79 97 93	86 87 81 97 80	% 86 86 83 98 87	90 80 87 96 85	90 71 86 95 87	% 93 80 91 96 89	% 91 72 94 95 91	93 82 94 94 87	% 87 73 94 92 83	% 87 67 95 90 91	% 87 74 92 87 96	% 86 80 95 87 98	% 84 64 97 86 98	% 80 66 96 84 98	% 80 72 94 90 96	% 79 75 96 92 98	% 86 69 96 89	87 72 97 87 98	% 83 66 95 89	% 84 71 95 91 98	% 88 66 97 89	% 91 69 98 89	% 89 68 97 90 92	% 86 • 0 74 • 8 91 • 2 91 • 7 92 • 6	mb. 9.0 6.4 6.5 7.2 6.4
6 7 8 9	89 79 89 91 85	89 78 89 92 80	96 74 91 91 87	93 65 91 91 89	91 64 92 92 93	94 68 90 91 96	96 74 91 91 94	96 78 92 92 96	96 84 93 92 96	90 85 95 89 100	80 74 95 85 100	93 66 87 79 83	89 63 69 78 80	89 67 70 78 75	79 69 72 81 74	88 71 77 82 89	75 74 78 87 93	74 78 82 65 92	74 84 89 80 90	77 88 89 89 93	78 89 89 82 92	81 89 88 77 93	83 91 90 79 93	83 91 91 73 96	86 • 6 86 • 6 84 • 3 89 • 9	5.6 4.3 5.4 6.0 7.1
11	97	97	98	99	94	94	96	98	96	94	98	96	87	86	90	91	93	93	93	93	91	93	96	93	94 • 0	8•7
12	93	96	94	93	91	91	91	83	78	74	77	73	70	71	71	75	76	82	83	93	93	93	93	96	84 • 5	7•7
13	92	94	96	94	93	94	96	94	93	91	89	86	76	80	76	77	90	93	96	97	93	91	94	85	90 • 3	8•6
14	75	74	71	73	82	73	70	87	85	77	76	72	66	66	66	71	74	77	78	83	85	83	79	76	76 • 0	6•5
15	84	90	90	88	89	90	90	87	85	81	93	96	98	98	94	96	96	92	89	86	89	83	86	86	89 • 6	8•8
16	91	98	99	97	95	93	93	95	95	96	98	95	91	88	90	89	78	89	84	76	73	72	76	73	88.8	9•2
17	75	82	80	79	79	79	89	93	90	90	91	91	90	90	88	83	87	91	90	91	88	88	84	84	86.1	7•9
18	86	87	84	87	86	88	88	86	91	96	98	98	96	99	99	99	99	100	99	100	98	100	99	93	93.8	9•5
19	93	84	85	88	91	91	94	96	98	94	94	85	77	72	7 2	75	90	92	94	94	95	97	96	99	89.3	8•9
20	99	100	100	98	94	98	98	98	99	99	99	99	100	98	9 8	94	94	85	91	90	94	93	91	92	96.0	<u>9•6</u>
21	87	86	87	89	87	89	86	87	86	86	84	82	78	86	71	63	61	71	75	87	85	93	90	89	82.8	6.9
22	90°	89	91	91	92	95	95	97	95	94	82	75	76	71	71	73	68	70	74	82	88	90	92	92	84.7	5.6
23	93	97	89	81	80	73	75	75	69	68	62	55	53	51	45	43	58	69	75	77	79	80	83	85	71.6	3.9
24	88	90	92	93	92	89	83	87	93	9 6	95	94	91	91	90	89	93	93	93	92	92	93	95	95	91.4	5.0
25	93	91	92	91	90	84	81	78	72	6 7	63	64	64	67	59	62	63	72	79	73	75	75	75	76	75.1	4.5
26	75	73	71	77	80	83	86	88	69	63	57	60	60	58	61	65	77	83	86	86	83	80	70	63	73•3	3-8
27	50	47	47	45	44	43	47	55	90	91	96	97	96	95	93	91	90	89	89	89	90	89	94	93	76•5	5-1
28	94	96	93	93	93	91	94	93	91	97	93	93	92	85	90	89	88	92	95	93	95	93	95	96	92•6	7-2
Mean	86•2	87•2	86•7	86•6	86•5	85+9	87 • 4	88•4	88•8	87•2	86•0	84•1	81•6	80•7	79•7	80•9	82-9	84-4	86•5	87•5	87•7	87•6	88•1	87•0	85 •6	†6• 8
Vapour	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.	
Pressure*	6.5	6•5	6•5	6•5	6•4	6•4	6•4	6•5	6•7	6•9	7•0	7·1	7•0	7•0	6•9	6•3	6•7	6•6	6•6	6•5	6•5	6•4	6•5	6•5	#6•6	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	n	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

199.	ESKDA	LEMUI	R: L	ouvre	d Hut	: h	t (h	ei ght	of t	hermo	meter	bult	s abo	ve gr	ound)	= 0°	9 met	res						K	ARCH,	1935
Hour G. M. T.	1	Ł	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 2 3 4 5	96 91 90 81 87	96 93 92 82 82	98 95 95 82 91	98 94 96 87 94	98 93 96 83 94	96 93 93 87 91	% 100 95 92 89 82	100 97 95 84 82	% 98 93 90 80 83	93 93 90 76 82	93 90 92 70 82	% 87 87 92 59	83 85 92 68 91	% 80 78 92 67 88	% 79 81 92 70 71	% 78 85 92 81 77	74 85 87 82 75	% 74 88 77 89 77	% 90 93 75 89 84	% 93 95 77 91 89	92 93 78 93 89	93 95 78 95 90	92 95 80 94 92	% 92 90 83 97 92	% 90.6 90.7 88.3 82.0 85.7	mb. 7•1 7•4 6-8 6•2 6•4
6 7 8 9	96 98 96 74 86	94 98 96 71 91	96 97 96 70 86	96 98 95 69 82	100 98 95 69 79	100 100 96 69 80	100 98 96 74 80	96 100 92 67 79	93 96 91 64 74	92 86 78 62 73	89 78 63 62 66	90 72 60 63 60	91 71 60 63 61	91 67 62 64 61	89 62 63 66 64	91 76 67 66 64	88 83 78 65 65	91 86 75 79 70	93 86 74 79 74	97 93 67 80 77	96 93 72 75 79	97 92 69 79 76	97 93 70 82 71	97 92 69 85 71	94 • 1 88 • 2 78 • 8 70 • 4 74 • 0	5•7 <u>4•5</u>
11 12 13 14 15	73 86 82 97 87	73 86 82 98 85	75 89 81 99 85	73 88 85 97 84	76 90 87 95 94	77 91 88 97 98	78 90 92 96 94	80 87 79 95 94	69 73 73 87 95	56 69 68 77 88	54 56 64 70 88	50 54 59 65 80	47 46 61 61 78	48 48 55 65 77	45 47 61 66 82	50 51 65 69 82	58 60 71 69 82	63 68 80 78 88	77 82 85 80 92	83 85 89 78 91	82 87 93 82 94	88 84 93 81 93	87 82 92 85 91	86 87 94 87 91	68•3 74•4 78•1 82•4 88•0	5•8 6•1 6•3
16 17 18 19 20	88 90 91 99 84	89 89 94 98 88	87 89 95 98 87	88 89 97 99 88	89 90 94 99 93	89 90 98 93 94	88 88 98 94 96	87 89 98 93 86	80 87 99 93 85	76 91 90 93 77	63 86 79 93 63	64 86 77 88 57	49 84 70 83 64	50 76 80 76 56	54 77 87 75 57	63 77 93 83 57	61 79 96 69 58	76 84 94 71 66	76 86 96 76 75	83 88 96 77 81	85 91 96 85 92	96 91 98 86 90	89 91 96 88 96	90 92 96 88 97	77•1 86•6 91•9 87•5 78•5	
21 22 23 24 25	97 99 89 91 9 6	98 100 87 88 95	98 100 100 86 93	100 94 86 85 92	100 94 86 86 92	98 100 86 87 88	99 99 82 85 91	99 100 83 78 90	99 98 78 77 93	100 90 71 71 94	97 93 75 67 94	94 87 66 67 96	87 84 74 62 96	88 88 86 64 98	96 89 82 62 96	97 86 90 61 98	99 93 88 80 96	100 89 86 82 95	100 91 88 88 88	99 92 88 96 76	100 89 90 96 78	92 93 98 76	93 98 71	100 93 91 96 69	97-6 93-0 85-0 81-2 89-9	8•9 9•0 8•1 8•5 <u>9•9</u>
26 2 7 28 29 3 0	77 80 92 80 96	79 75 96 75 97	70 71 97 79 97	70 71 96 79 99	68 74 96 74 91	72 80 96 77 91	71 78 96 78 93	61 82 91 76 88	60 77 70 76 86	56 63 53 90 88	55 54 64 84 87	57 52 64 81 88	52 51 61 85 88	57 46 63 86 89	51 48 65 85 88	58 51 63 84 88	57 55 67 90 88	82 65 70 89 83	78 92 68 90 88	75 97 66 93 87	77 80 67 93 86	75 85 75 97 87	74 87 75 96 84	79 90 77 96 87	66-9 70-7 76-5 84-3 89-5	6-9 6-8 6-3 7-4 8-9
31 Mean	87 88•9	90 88•9	91 89•5	87 88·9	90 89•1	90 89•6	90 89•7	93 87•8	93 84·2	90 7 2 •9	91 76·2	91 73·7	84 72•0	81 71•8	71	70 74•6	71 76•4	67 80•1	68 83•7	67 85•3	70 86•2	74 87•3	71 87•1	71 88•0	81·5 83·0	8•£ †7•3
V ap our Pre ssure*	mb. 7•0	mb. 7•0	mb 7•0	mb. 6•9	mb. 6•9	mb. 6•9	mb. 7•0	mb. 7•1	mb. 7•3	mb. 7•3	mb. 7•4	mb. 7•4	mb. 7•4	mb. 7•4	mb. 7•4	mb. 7•4	mb. 7•3	mb. 7•2	mb. 7•1	mb. 7•1	mb. 7•1	mb. 7•0	mb. 7•0	mb. 7•0	mb. ‡7•1	

200.	ESKDA	LEMUI	R: L	ouvre	d Hut	: h _t	= 0 •	9 met	res															A	PRIL, 1	935
Day 1 2 3 4 5	% 74 75 75 85 80	77 74 76 82 82	74 74 74 75 81 84	% 73 74 75 79 84	75 80 82	72 72 72 75 90 81	% 64 74 73 78 76	% 66 66 62 71 69	% 68 53 53 65 60	58 47 38 60 43	% 61 53 39 40 37	59 52 38 41 41	57 48 39 76 38	58 43 43 40 40	78 40 44 37 37	% 60 41 42 36 50	56 47 52 42 52	56 52 60 46 62	67 68 67 52 73	79 75 73 65 79	75 76 75 78 78	% 70 78 85 82 82	% 70 76 83 82 83	% 76 76 83 80 80	% 67•7 62•8 <u>62•4</u> 65•4 65•5	mb. 5•9 4•7 4•6 4•6 <u>4•6</u>
6	84	80	83	89	89	86	82	73	46	43	38	38	38	44	42	48	49	59	74	75	82	86	90	90	66 • 6	5•2
7	90	91	92	93	95	96	96	94	85	78	87	82	80	88	89	89	93	94	93	97	97	97	95	88	90 • 6	6•4
8	92	93	94	91	91	87	84	86	82	73	69	65	59	60	60	60	62	72	81	87	87	83	85	89	78 • 8	6•5
9	89	89	91	93	95	96	95	96	95	93	87	70	71	71	72	71	86	86	90	93	96	96	96	98	88 • 0	8•1
10	96	96	91	98	96	96	91	89	86	97	89	90	89	90	91	93	91	89	86	93	93	93	94	94	91 • 6	9•5
11	93	91	91	86	81	82	84	84	83	70	64	56	57	58	75	88	87	87	85	82	79	82	82	84	79-8	7•2
12	80	87	78	78	78	82	78	67	60	49	40	45	41	39	39	36	44	47	70	73	83	89	88	86	64-8	5•8
13	91	90	89	89	90	91	90	87	71	62	67	56	55	55	64	69	65	68	74	72	71	70	70	69	74-3	5•6
14	75	80	84	89	87	90	90	93	87	85	87	86	90	86	87	88	88	89	92	93	93	93	95	94	87-8	7•1
15	94	98	100	98	98	98	98	86	85	77	79	75	86	82	79	76	74	80	86	87	92	92	93	93	87-6	7•5
16	93	92	90	90	90	92	90	88	88	87	88	88	93	91	89	89	90	90	89	90	88	91	88	92	89.8	6•9
17	93	93	93	93	90	95	93	92	87	87	83	85	88	90	93	86	87	87	90	88	90	92	95	91	90.1	7•5
18	92	92	93	92	90	93	86	88	87	88	82	87	76	76	73	68	79	86	90	91	89	90	90	92	86.2	8•0
19	92	93	93	92	93	92	87	77	72	65	66	62	64	59	56	67	69	74	79	83	84	86	87	91	78.5	7•9
20	93	91	96	96	96	94	96	92	89	94	89	83	88	83	69	81	86	86	88	89	93	94	94	91	89.6	9•4
21	93	93	91	94	93	93	81	69	58	60	56	56	60	60	46	47	72	71	79	78	79	84	82	90	.74 • 4	8•7
22	90	90	95	97	98	97	96	90	81	74	70	74	6 8	61	68	70	78	81	85	68	88	87	87	88	83 • 4	8•7
23	90	90	94	94	97	94	94	90	86	84	84	89	87	82	76	79	78	77	81	83	84	90	90	88	86 • 7	9•2
24	88	88	89	89	89	89	78	76	73	67	82	66	71	69	69	69	70	69	76	87	80	89	87	90	79 • 1	7•6
25	90	91	91	92	91	90	84	85	87	81	75	73	70	72	81	86	85	82	86	88	86	90	92	92	85 • 0	7•5
26 27 28 29 30	90 90 98 97 98	92 96 97 100	95 90 98 98 100	90 98 97 98	87 93 98 99 98	87 93 98 99 97	83 89 98 96 98	71 91 98 94 97	69 87 99 91 98	58 86 99 86 87	60 87 96 79 69	71 78 92 71 65	76 78 83 72 73	76 70 78 63 80	77 70 77 64 75	79 72 71 66 76	82 72 70 66 82	86 73 69 67 81	86 82 83 88 86	87 85 91 93 90	88 87 96 94 85	94 87 98 100 88	94 94 97 98 88	92 93 97 98 88	81·4 84·5 90·7 86·4 87•6	8•0 8•5 8•8 <u>9•5</u> 8•7
Mean	88•7	88•6	89•2	89•6	89•4	89 -9 .	86•7	82-9	77•7	72•5	70•1	67•8	69•0	<u>67·2</u>	<u>67-2</u>	68•4	71•8	74-2	80•9	84•5	85 • 5	87•9	88 • 2	88•4	80-8	† 7 •3
Vapour	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.	
Pressure*	6•8	6-6	6•6	6•8	8•8	6•9	7•0	7•£	7•2	7-1	7•2	7•2	7•3	7•3	7•3	7•3	7•4	7•3	7•3	7-4	7•3	7•2	7•1	6-9	‡7•1	
Hour G. W. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean -	

MAY, 1935

															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	Vapour Pressure
Day 1 2 3 4 5	% 88 91 91 84 72	% 89 93 88 82 67	89 94 88 87 66	86 96 92 82 71	96 97 93 83 67	% 86 97 90 79 69	% 82 96 89 68 62	77 94 84 42 47	74 94 71 85 60	52 33 47	% 61 83 51 34 38	% 61 72 47 32 43	57 74 51 35 37	53 72 46 35 37	50 69 50 41 37	5 62 67 49 47 • 32	61 66 50 52 33	70 70 65 54 36	79 77 74 56 48	% 88 85 73 5 7 50	89 87 67 54 70	92 90 78 63 75	90 90 76 67 82	92 94 82 71 83	% 76-6 84-6 71-0 57-4 <u>55-1</u>	mb 8-2 9-2 9-6 7-8 8-1
6 7 8 9	84 91 94 89 90	,89 89 94 92 91	89 90 94 87 90	91 91 87 86 94	88 86 85 94	88 86 85 84 94	77 86 81 86 91	74 86 75 88 91	64 82 74 87 91	59 69 63 85 83	54 68 53 72 74	56 69 51 70 68	54 63 46 69 72	55 62 50 72 74	54 61 50 66 74	57 61 54 69 82	60 63 58 73 86	63 80 61 75 88	68 79 61 81 89	71 86 70 82 88	74 87 71 87 91	78 88 79 87 94	84 90 82 87 93	86 88 84 88 93	71.5 79.3 71.0 81.0 86.4	10-4 9-6 8-7 8-5 9-0
11 12 13 14 15	90 72 86 91 90	89 74 87 90 91	90 76 85 91 92	89 74 85 82 92	90 71 87 84 94	85 69 88 84 95	76 62 61 80 96	61 56 51 84 65	52 46 49 64 53	49 40 46 75 68	44 40 48 79 94	40 40 48 50 92	44 40 46 49 90	49 44 43 37 93	46 51 45 41 88	44 56 49 42 88	46 54 64 46 88	55 62 88 46 80	81 63 91 49 83	76 70 91 57 73	78 66 93 77 72	78 69 97 85 57	76 76 98 91 69	78 85 95 90 60	67•3 60•5 71•5 69•4 82•4	8•7 5•8 5•9 5•5 5•5
16 17 18 19 20	62 96 69 89 92	58 93 65 89	62 92 63 89 96	69 89 63 89 94	71 88 61 89 96	66 84 55 84 88	62 80 49 75 81	54 75 46 67 73	51 74 41 54 61	47 69 37 51 56	37 60 37 47 48	38 59 35 50 47	33 68 27 43 49	34 82 30 39 47	35 70 36 43 54	42 74 43 49 42	52 72 52 57 40	53 72 67 66 41	71 88 75 70 48	77 88 90 76 67	76 77 89 82 82	82 71 89 85 84	84 69 91 88 83	92 65 89 90 83	58 • C 78 • C 57 • 6 69 • 2 68 • 5	4-5 5-7 5-0 6-3 6-9
21 22 23 24 25	83 85 88 93 90	82 89 90 93 87	82 91 90 86	78 87 88 95 88	78 84 88 97 86	63 75 84 96 79	61 55 80 86 78	55 47 61 83 77	54 47 57 83 67	51 50 55 73 67	48 48 52 66 60	50 46 56 61 57	47 50 54 60 53	50 49 48 61 48	46 51 54 62 54	46 54 53 63 56	48 58 55 60 56	51 63 58 65 55	60 66 63 76 61	65 75 68 79 77	69 83 75 84 83	80 84 82 88 88	80 84 90 87 82	85 87 92 88 80	63.0 66.6 70.0 78.8 71.4	6•9 7•3 7•8 8•3 8•0
26 27 28 29 30	83 89 93 92 95	83 90 89 92 97	86 92 93 93 97	89 93 97 94 97	88 90 89 94 96	88 90 78 92 94	86 84 73 91 94	81 74 70 80 88	72 67 59 73 90	62 64 56 69 86	62 67 62 64 82	57 66 47 62 80	60 64 46 60 78	57 61 38 61 68	54 61 38 61 71	53 60 39 59	56 60 45 64 66	54 49 60 68 67	67 67 73 75 72	80 74 82 83 80	82 77 90 91 88	84 87 90 94 84	84 89 91 96 81	85 92 93 96 88	73-0 75-1 70-5 79-3 83-8	8 • 2 9 • 3 9 • 3 9 • 5 8 • 6
31. Mean	88 86 • 8	88 86 • 4	87 86•7	87 87-0	82 86 • 1	76 82•9	65 77•2	63 70•0	59 64·7	55 60·3	57 57•7	53 54·9	53 53•9	52 53·1	52 54•0	53 55•3	55 57•9	58 62•6	64 70•2	73 75 • 8	81 79•7	81 82•5	85 84•3	90 85•9	69•0 71•5	7•9 †7•7
Vapour Pressure*	mb. 7•1	mb. 6•8	mb. 6•\$	mb. 6.7	mb. 6•8	mb. 7•1	mb. 7•3	mb. 7•3	mb. 7•5	mb. 7•6	mb. 7•7	mb. 7•7	mb. 7-8	mb. 7•6	z b. 8•1	mb. 8•1	mb. 8•1	mb. 8•2	m b. 8∙3	mb. 7•9	mb. 7•5	mb. 7•3	mb. 7•3	mb.	mb. ‡7•5	

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Vapour Pressure*	mb. 10•3	mb. 10•7	mb. 10•7	mb. 10-6	mb. 10•3	mb. 11•3	mb. 11•6	mb. 11•7	mb. 12•1	mb. 12•2	mb. 12•2	mb. 12.2	mb. 12•1	mb. 12•1	mb. 12•4	mb. 12•4	mb. 12•4	mb. 12•5	mb. 12•4	mb. 12•1	mb. 11•7	mb. 11•5	mb. 11•3	ab. 11∙1	mb. #11•7	
Mean	92•6	92•2	92•4	92-6	92•3	90-7	87•4	83•9	82•9	80-8	76 • 6	73•7	<u>73-0</u>	73•3	76•5	75 • 5	76•5	79-1	82•5	86 • 5	88•8	91•3	92•1	92-2	84-4	t12+0
26 27 28 29 30	95 97 95 93 89	97 98 91 95 95	97 98 94 94 96	97 98 93 94 96	97 98 93 93 97	97 98 91 78 98	97 97 86 68 97	96 98 78 65 97	97 96 72 68 92	96 96 67 66 93	97 97 67 61 88	96 97 72 55 87	99 97 70 56 78	95 94 58 54 68	95 90 68 51 63	86 80 71 41 67	83 75 78 44 74	83 77 81 48 71	83 77 83 50 78	90 78 91 57 91	96 86 92 65 94	97 93 95 85 96	95 93 96 85 97	96 94 94 81 95	94.0 91.8 82.4 68.9 87.1	15•3 13•7 14•0 12•9 14•9
21 22 23 24 25	99 100 89 93 97	97 99 86 90 97	99 99 84 93 97	99 99 84 9£ 98	97 100 86 90 98	97 96 89 80 97	97 96 83 87 92	98 93 80 88 90	98 83 80 84 86	99 74 76 82 87	99 69 72 73 83	99 69 72 78 86	100 63 69 75 88	100 60 68 77 87	100 65 66 79 88	100 68 67 81 86	100 66 65 77 80	100 74 76 78 85	100 84 78 80 91	100 83 83 88 94	100 86 86 92 94	100 88 85 94 96	100 89 93 97 97	100 91 92 97 96	99-0 83-3 79-5 85-5 91-3	14-8 17-8 <u>19-3</u> 18-3 16-6
16 17 18 19 20	96 93 92 93 99	98 89 92 93 99	98 86 93 94 99	98 93 92 96 98	96 90 92 91 99	92 86 93 87 99	79 87 95 86 99	70 82 93 76 98	73 87 95 76 97	68 88 92 79 96	59 80 93 70 95	54 80 89 72 96	65 76 89 67 99	63 78 89 72 99	76 91 86 77 98	61 87 83 87 91	70 89 63 93 87	75 81 61 95 88	86 77 57 96 92	92 81 78 97 96	92 87 88 97 97	92 91 86 99 98	94 90 89 99 98	93 92 92 99	81 • 0 85 • 9 86 • 3 87 • 0 96 • 5	10-3 10-2 9-9 10-5 14-2
11 12 13 14 15	94 87 93 90 96	92 84 91 88 94	93 83 92 88 93	88 83 92 91 94	95 86 95 90 94	92 86 91 83 95	80 76 92 81 92	69 74 94 78 84	76 77 89 78 75	68 81 79 74 80	56 72 79 83 64	51 75 62 66 73	81 68 63 59	81 68 51 66 60	87 66 68 85 57	93 65 72 83 60	93 75 84 83 74	92 76 85 77 77	91 87 89 83 88	89 92 95 83 94	89 86 92 84 91	88 92 90 92 93	89 92 90 93 93	88 92 91 94 98	84·1 80·1 84·1 82·1 82·3	10-8 10-0 10-3 10-3 10-4
6 7 8 9	97 93 80 93 79	93 92 77 96 79	94 88 77 95 83	94 94 78 92 80	93 95 77 89 82	93 94 85 84 85	93 93 88 76 76	92 91 91 69 7 3	86 96 90 60 78	89 90 89 58 89	83 80 82 62 86	73 64 82 66 82	70 64 79 56 85	75 85 70 54 90	83 84 70 53 94	88 75 59 53 93	83 85 58 57 94	92 86 55 62 95	95 90 61 62 94	94 84 68 71 94	95 88 69 78 94	93 91 74 81 93	90 88 80 86 94	94 79 89 83 94	88 • 8 86 • 5 76 • 0 72 • 5 88 • 7	11.0 11.1 8.3 8.0 11.2
Day 1 2 3 4 5	% 90 85 93 94 93	92 91 94 94 94	93 89 94 96 92	\$ 93 87 94 98 93	87 84 94 98 92	80 87 91 98 91	% 71 84 89 96 89	% 63 71 86 95	% 61 77 85 91 84	52 73 84 85 75	57 70 63 83 74	%. 56 64 52 74 70	51 64 56 78 67	58 67 56 89 67	56 70 59 84 85	57 83 55 87 87	59 82 56 89 80	% 64 90 80 92 78	95 67 90 88 92 87	73 91 91 91 86	78 93 92 92 92	% 85 94 93 93 91	93 93 93 93 91	85 91 93 93 92	% 71.5 82.0 80.4 90.6 84.7	8-0 8-0 9-8 10-5
202. E	SKDAL	EMUIR	: Lo	uvred	Hut:	h _t =	0.9	metre	s -																JUNE,	1935

RELATIVE HUMIDITY Percentages at exact hours, Greenwich Mean Time

203. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0.9 metres

JULY, 1935

Hour	Ι,		,	Ι,		6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour
G. M. T.	1	2	3	4	5	•	<u> </u>	°				-									-		<u> </u>		ļ	Pressure*
Day 1 2 3 4 5	% 97 91 88 96 94	96 92 89 95 93	97 93 89 93 93	96 95 83 92 91	96 96 81 82 91	97 94 82 85 91	% 97 89 74 78 91	% 96 82 71 76 86	94 81 66 76 85	91 75 62 75 77	% 88 73 63 66 78	87 71 62 59 75	% 86 73 69 68 70	87 74 65 71 79	% 83 74 63 90 75	82 78 81 91 70	90 90 91 92 69	90 89 95 88 76	91 92 95 92 76	93 88 97 90 77	94 90 98 91 81	91 87 98 93 83	91 88 97 94 83	93 89 96 94 84	91.8 85.3 81.3 84.5 82.2	14.7 12.3 13.5
6 7 8 9 10	84 94 91 92 92	83 94 92 92 93	80 96 92 93 93	75 90 93 96 90	76 88 93 96 90	79 81 77 89 86	76 71 85 81 95	73 64 72 71 93	72 61 68 67 96	72 66 63 68 93	67 59 61 66 93	65 62 57 64 94	62 57 59 57 96	62 61 59 57 93	63 59 55 58 96	62 57 53 56 91	58 56 54 55 81	61 58 57 52 74	68 65 69 60 68	77 83 78 74 80	80 87 86 79 83	85 92 88 82 91	89 92 90 86 88	90 91 88 89 94	73·2 74·3 74·3 74·1 89·2	12.0 13.6 12.8
11 12 13 14 15	99 96 92 95 89	97 95 91 92 92	96 94 95 93 95	92 95 95 92 97	90 99 92 97 91	83 96 91 93 90	71 81 85 92 88	71 71 80 85 84	55 64 75 88 81	54 65 77 92 73	52 62 72 85 61	52 62 75 87 61	50 63 65 89 68	52 65 64 93 63	52 62 61 94 61	53 68 60 92 56	51 72 51 91 42	51 62 67 92 49	68 71 76 90 65	85 79 81 90 73	82 84 89 93 77	91 90 89 90 87	95 88 89 90 84	95 92 88 90 85	72·3 78·2 79·3 91·0 75·6	15-5 16-0 13-6
16 17 18 19 20	83 87 91 94 94	81 84 92 93 94	80 87 91 99 95	80 80 93 93 95	86 79 93 97 97	85 71 88 94 94	80 73 81 88 91	83 73 75 80 89	80 80 73 79 87	74 78 71 77 91	82 86 69 65 73	86 83 67 69 70	83 72 85 64 69	82 70 85 65 66	85 65 83 76 61	86 58 89 90 61	87 56 73 90 66	85 61 69 95 62	87 72 76 96 66	92 84 80 95 73	95 82 84 99 74	91 80 96 93 78	89 84 96 96 76	86 87 96 96 78	84.5 76.3 83.0 86.7 79.5	10•8 10•8 11•1
21 22 23 24 25	76 99 98 93 90	79 100 99 89 97	77 100 100 85 97	80 96 99 84 88	76 100 98 75 93	72 98 94 77 88	69 95 92 67 83	59 98 84 60 72	66 99 77 60 69	69 100 77 55 72	61 96 67 55 68	64 98 67 57 63	60 98 74 57 63	69 96 74 57 67	59 82 74 54 67	61 92 71 58 66	55 90 75 56 70	61 87 80 63 73	69 90 91 72 76	85 94 89 80 78	99 93 91 77 75	91 98 89 83 79	99 99 91 91 87	98 98 93 94 91	72 • 7 95 • 7 85 • 3 70 • 7 78 • 0	14•7 <u>16•5</u> 11•8
26 27 28 29 30	95 97 74 83 84	95 99 80 86 86	93 98 76 86 90	90 98 73 86 90	87 98 83 83 94	80 96 79 78 83	77 91 79 69 71	71 97 75 61 63	72 92 79 57 47	78 94 80 56 49	66 93 73 56 43	62 94 73 56 40	59 94 75 54 38	63 92 73 50 39	63 90 7 5 55 38	71 90 71 54 43	86 87 66 53 47	92 86 67 59 48	92 84 77 71 63	96 85 81 71 69	98 82 79 76 75	99 82 80 86 79	99 78 78 81 88	98 76 87 90 95	82•5 91•0 76•1 69•0 65•0	14-9 10-7 9-7 <u>9-2</u>
31	92	92	90	95	88	83	80	67	62	52	46	42	46	38	34	34	34	38	65	65	75	73	77	82	64.8	<u> </u>
Mean	91.0	91•3	91.5	90•1	89•8	86 • 3	81•9	76 • 8	74•5	73•4	69-2	68•5	68•5	68•7	<u>68•0</u>	69-2	68•5	70•5	77•3	82•6	85 • 4	87.5	88•8	90•4	79•6	†12 - 6
Vapour Pressure*	mb. 11.6	mb. 11•4	mb. 11•1	mb. 10-3	mb. 11•1	mb. 11.6	mb. 12•3	mb. 12•5	mb. 12•8	mb. 13•1	mb. 12•9	mb. 13•2	mb. 13·3	mb. 13.5	mb. 13·3	mb. 13·2	mb. 13·1	mb. 13•0	mb. 13•3	mb. 13•0	mb. 12•5	mb. 12•1	mb. 11•3	mb. 11•6	mb. ‡12•4	,

204. ESKDALEMUIR: Louvred Hut: $h_t = 0.9$ metres

AUGUST, 1935

											T											T		-		T
Day 1 2 3 4 5	% 88 89 100 85 96	% 87 88 93 91 96	% 88 87 99 98 96	91 90 97 93 97	90 92 99 95 98	% 89 82 94 94 98	% 76 74 93 94 9 6	95 65 67 88 89 92	% 63 65 69 80 92	69 69 67 81 90	59 69 54 72 88	56 63 52 62 84	55 64 55 62 82	61 60 53 61 82	57 61 52 70 83	70 60 59 76 87	57 64 62 80 83	% 69 67 66 81 78	% 71 74 71 84 80	% 78 79 83 88 92	80 85 89 87 91	74 90 91 93 93	% 71 92 88 94 91	% 86 92 87 91 94	72-8 75-9 77-7 83-3 89-9	mb. 11.9 11.8 11.4 13.0
6 7 8 9 10	94 98 99 86 94	95 98 96 73 95	95 99 96 78 94	96 100 94 75 91	96 100 95 83 89	94 100 96 76 89	81 100 94 68 87	78 96 94 70 85	79 96 90 66 80	73 92 82 65 73	71 83 80 62 7 6	72 83 78 62 75	79 84 74 63 73	73 80 70 58 82	63 74 67 61 84	67 81 78 57 86	73 82 76 60 87	77 86 84 68 89	80 85 88 78 89	88 88 91 80 94	93 92 91 90 95	97 93 92 90 96	96 96 89 90 96	99 99 86 93 98	83-6 91-0 87-0 72-8 87-2	15·4 15·1 15·9 11·9 14·0
11 12 13 14 15	97 80 96 83 88	97 91 94 91 95	97 83 98 89 91	97 88 97 87 90	98 88 98 88 89	97 86 97 88 87	97 82 94 85 88	97 69 80 80 86	96 67 64 78 83	94 65 61 70 75	93 65 61 67 78	93 55 55 68 72	89 49 59 66 72	87 55 64 68 68	91 53 70 70 57	89 51 66 74 60	87 52 68 82 59	91 65 72 80 73	95 74 77 81 73	96 82 80 86 83	91 86 83 89 86	87 90 87 86 91	84 90 84 85 93	89 91 84 88 93	93.0 73.2 78.9 80.2 80.3	15.5 10.1 10.0 12.0 11.3
16 17 18 19 20	92 98 97 97 100	93 98 97 96 100	93 97 97 98 100	92 97 97 98 100	94 98 98 99 100	95 98 97 98 100	96 97 96 98 100	98 97 96 97 100	98 97 93 91 100	97 94 91 77 96	97 88 82 72 97	96 83 88 73 92	87 83 88 73 89	88 95 81 77 87	86 92 72 72 80	85 95 74 73 84	90 93 79 79 78	91 96 78 92 80	94 92 91 93 88	97 92 95 99 95	98 96 94 99 93	97 96 94 100 98	97 95 96 100 98	98 96 96 100 98	93.6 <u>94.3</u> 90.7 89.5 93.9	13.9 16.5 16.6 15.3 16.9
21 22 23 24 25	98 96 90 90	98 97 97 91 91	97 97 96 82 92	98 97 94 81 92	97 99 95 78 94	94 93 94 87 94	82 90 87 90 94	75 89 77 89 94	73 85 69 88 94	62 76 61 79 94	64 72 58 73 93	70 77 61 65 94	73 75 66 60 91	83 77 71 66 84	83 73 70 74 86	73 70 72 73 82	69 75 79 73 85	79 76 81 83 88	79 63 90 88 91	83 76 93 89 96	86 89 93 91 97	91 91 92 89 96	87 89 95 91 96	90 96 94 90 93	82.3 84.0 82.3 81.7 91.7	14.0 11.6 12.3 16.7 15.2
26 27 28 29 30	95 92 94 86 93	92 87 98 88 94	92 84 94 92 95	91 83 90 94 95	92 81 91 96 96	91 79 91 94 94	94 68 90 92 92	96 71 87 80 90	93 66 90 75 89	94 59 72 70 91	92 49 62 54 85	83 47 65 59 93	77 54 54 56 95	76 52 73 53 94	85 64 81 62 94	95 61 77 59 95	95 73 78 71 95	96 72 77 76 95	94 79 83 80 97	92 88 86 88 97	92 91 92 91 97	93 94 88 92 98	93 97 86 91 97	92 96 83 93 98	91.0 74.4 82.5 78.6 94.0	13·1 9·3 <u>9·2</u> 9·8 12·4
31	96	96	95	96	97	97	92	94	83	88	87	82	74	74	73	71	77	78	86	88	92	92	93	96	87•4	12•6
Mean	92•8	93•3	93•2	92•8	93•7	92•3	89•3	86•0	82•0	78•3	74.6	72.8	<u>71·6</u>	72•7	72•9	74•2	76 • 2	80•1	83•5	88•5	90-9	92•0	91-6	92-9	84•5	+13•3
Vapour Pressure*	mb. 12•1	mb. 11.9	mb. 11•6	mb. 11.5	mb.	mb. 12•0	mb. 12•7	mb. 13•2	mb. 13•5	mb. 13.6	mb. 13•6	mb.	mb. 13·8	mb. 14•0	mb. 14.0	mb. 14·1	mb. 14·1	mb. 14.0	mb. 13•8	mb. 13.5	mb. 13·1	mb. 12•8	mb. 12•6	mb. 12•5	mb. #13·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	1.6	17	18	19	20	21	22	23	24	Mean	

205. ESKDALEMUIR: Louvred Hut: h_t (height of thermometer bulbs above ground) = 0.9 metres

SEPTEMBER, 1935

20). E	OKDAD.			uvi eu	1100.	**t	(11018.	10 01	01101	monac o		,										,				-///
Hour G. M. T.	1	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 2 3 4 5	% 94 96 95 98 92	% 93 98 95 99 88	94 94 92 98 93	97 96 94 100 93	% 97 94 93 100 96	97 96 95 97 93	95 93 91 94 92	% 94 90 88 87 91	% 88 97 86 83 89	% 80 95 87 75 81	% 80 97 80 74 69	% 77 94 74 62 70	% 83 90 71 64 68	% 83 86 83 64 59	% 74 93 83 60 55	% 83 83 86 58 60	% 87 82 80 64 67	% 90 83 83 71 77	\$ 91 82 88 77 80	96 83 92 83 75	94 83 92 86 89	93 87 96 88 90	% 94 89 95 89 89	94 94 93 91 93	89.5 90.6 88.0 81.8 81.2	mb. 13.6 12.7 11.7 10.2 10.4
6 7 8 9 10	93 92 96 87 89	91 95 97 86 87	96 96 96 84 88	96 96 96 85 85	96 96 96 86 90	95 95 96 82 91	90 91 92 81 91	83 83 84 82 92	61 79 76 82 93	52 68 71 71 87	53 67 63 74 80	52 59 65 70 79	53 62 59 70 78	58 55 57 68 77	55 54 57 73 81	67 59 57 72 76	65 61 63 73 76	76 73 76 79 83	78 86 80 76 85	83 86 86 80 88	84 86 87 87 92	78 90 87 87 93	90 95 87 90 93	92 96 86 87 93	76 • 7 79 • 9 79 • 8 79 • 7 86 • 0	8•5 8•4 8•6 8•9 10•4
11 12 13 14 15	95 87 96 95 89	94 88 96 93 93	94 91 94 91 93	94 91 91 94 93	90 91 92 93 93	90 92 96 90 91	92 92 94 93 90	90 90 91 87 90	85 89 88 81 91	87 76 80 86 94	77 72 76 89 89	69 72 66 89 87	69 71 69 86 77	69 70 72 82 77	64 81 78 82 85	68 91 73 81 92	78 96 83 85 89	78 96 90 81 90	86 95 95 87 89	87 • 94 • 94 87 89	89 96 94 82 92	91 96 93 88 91	88 93 93 87 89	88 92 93 88 91	83•9 87•5 86•9 87•5 89•3	12.2 12.7 12.9 12.9 12.2
16 17 18 19 20	88 95 91 97 79	87 95 91 99 81	95 93 98 81	89 95 91 96 82	91 95 92 92 82	92 89 92 85 84	90 91 92 80 86	92 89 92 94 84	88 88 90 89 73	83 84 85 88 65	86 79 89 90 61	80 75 73 91 60	87 75 66 72 57	85 69 61 66 55	87 74 68 81 55	76 71 81 66 61	83 74 79 67 62	89 75 85 64 69	91 76 90 63 69	89 77 93 69 73	88 88 95 70 81	89 88 94 74 87	93 89 96 76 93	93 89 96 76 90	87.6 84.0 86.3 81.4 73.5	11.3 10.6 10.9 11.5 9.7
21 22 23 24 25	88 92 85 98 88	93 94 86 98 88	95 94 83 96 87	96 96 79 96 86	96 95 77 98 87	94 95 82 98 80	98 97 79 96 78	97 95 77 95 73	97 94 73 83 62	96 92 70 79 62	91 89 68 86 53	86 84 63 82 56	78 86 56 74 54	76 83 59 72 56	75 83 55 71 69	81 77 68 87 62	84 77 70 90 66	83 81 77 90 82	77 83 80 88 86	75 80 83 88 87	83 83 84 85 94	86 86 90 86 90	88 84 93 86 87	91 85 96 88 91	87.6 87.8 76.1 88.1 76.0	9-0 10-4 8-7 8-2 7-7
26 27 28 29 30	90 98 98 91 96	96 99 97 93 89	96 99 95 94 93	94 99 94 99 96	92 96 97 100 98	94 98 95 97 96	94 99 97 97 93	93 97 95 96 90	96 92 96 89 86	86 89 97 75 78	82 82 97 78 74	84 73 97 75 75	84 70 95 79 65	87 72 89 82 69	87 77 83 82 71	88 83 84 79 82	92 86 82 83 79	95 89 81 88 86	96 93 81 93 93	96 94 78 89 95	98 95 89 95 91	97 98 91 95 95	98 97 91 94 96	98 98 94 96 96	92.0 90.5 91.5 89.1 86.7	8.6 12.8 11.7 10.2 9.2
Mean	92•3	92-6	92•7	93•0	93-1	92•2	91.3	89•4	85•5	80 - 6	78•2	74-6	72-3	71.4	73•1	75 • 1	77•4	82•C	84•5	85•€	88•4	89-8	90•7	91-6	84•9	†10 • 2
Vapour ressure*	10•1	10-1	9•9	10-0	9•8	<u>9•7</u>	10•0	10•6	10•9	11-0	11·E	11.1	10-8	10•8	10•8	10-8	10•8	10.7	10•5	10∙£	10•2	10•1	10-0	9•8	‡10• 4	

206.	ESKDA:	LEMUI	R: Lo	ouvre	Hut	: ht	= 0.9	metr	es				-											OCTO	BER, 1	935
Day 1 2 3 4 5	% 96 93 91 96 93	% 94 93 94 96 95	% 96 94 93 98 96	% 98 94 94 96 95	% 96 95 94 100 95	94 96 96 100 95	91 96 94 96 96	94 95 94 96 93	92 96 93 88 93	% 82 91 88 86 92	73 91 75 88 91	% 80 89 71 80 91	% 75 87 75 69 89	% 73 88 66 73 86	% 69 88 73 83 82	72 86 76 87 78	% 71 89 79 87 84	% 86 86 90 88 89	% 80 91 94 88 89	92 92 98 98 88 91	94 92 97 88 93	92 89 98 88 88	% 94 87 100 92 88	93 91 96 93 87	% 86 • 6 91 • 3 88 • 2 89 • 4 90 • 5	mb. 8.8 8.0 9.5 9.1 10.3
6 7 8 9	87 93 95 90 91	83 93 94 90 90	85 93 95 96 85	83 94 96 90 85	79 96 96 90 87	81 99 96 87 86	84 99 96 90 84	76 96 91 84 82	76 94 81 85 90	87 92 81 88 89	87 89 85 77 87	83 89 83 86 90	82 84 68 83 80	79 81 80 83 7 8	84 72 71 89 80	86 69 82 94 86	86 72 84 94 86	88 80 81 94 80	88 82 84 96 82	88 82 87 96 87	89 84 87 96 83	89 86 87 96 85	91 86 87 98 86	91 84 90 94 86	84.6 87.2 86.4 90.1 85.4	9•3 9•3 9•0 8•7 7•9
11 12 13 14 15	92 91 83 84 92	90 93 86 72 93	92 90 88 80 91	90 88 87 75 89	87 93 88 76 91	87 94 87 86 92	90 94 88 84 93	86 87 91 83 91	83 85 89 87 94	80 86 85 88 94	77 82 83 85 92	81 81 84 77 93	81 82 73 84 90	74 74 83 79 89	76 79 84 81 93	82 83 88 84 94	78 82 89 85 95	77 78 93 89 95	78 81 94 92 96	80 84 95 93 95	83 81 95 92 96	90 81 95 92 96	89 85 95 92 97	85 86 91 91 96	83•7 85•0 88•0 84•6 93•1	7.5 8.3 10.9 10.6 12.1
16 17 18 19 20	95 88 74 74 68	96 88 68 73 67	95 87 74 76 67	94 89 76 80 59	89 86 85 78 58	87 87 87 81 61	87 89 87 78 60	84 88 80 90 66	84 91 85 86 57	72 88 94 84 47	61 92 85 76 49	62 92 79 87 55	68 87 80 77 54	63 91 94 82 48	69 83 99 76 44	73 84 95 73 51	76 83 95 73 63	79 82 97 73 68	80 76 97 73 74	82 83 94 73 80	88 77 94 77 84	79 77 83 67 84	77 70 82 68 84	89 70 77 71 85	80-5 84-9 85-7 77-0 63-3	10·4 9·1 8·9 7·6 <u>4·6</u>
21 22 23 24 25	82 85 89 96 100	83 83 92 96 100	84 84 94 97 93	87 86 95 96 93	88 88 94 96 95	90 89 94 94 97	92 90 96 96 95	92 91 94 96 97	91 92 88 97 95	92 92 82 97 93	94 83 81 96 96	98 78 74 97 94	96 74 72 96 88	92 76 71 97 87	92 76 77 97 86	93 82 82 97 88	93 85 84 99 89	91 88 91 97 92	85 90 94 97 94	83 89 94 99 94	83 89 96 99 92	83 87 96 99 92	86 87 94 99 92	85 87 94 97 93	89.0 85.4 88.1 96.9 93.2	5•6 5•7 7•4 8•9 8•0
26 27 28 29 30	92 85 86 90 89	96 82 87 89 88	97 82 87 89 93	97 80 86 90 92	93 90 79 88 87	97 94 77 94 92	94 94 87 88 92	97 96 80 87 93	99 96 78 91 94	98 90 77 89 91	98 91 75 87 92	98 89 73 80 93	96 88 81 79 88	97 88 84 77 88	92 88 92 82 87	88 89 95 85 80	85 89 98 77 88	84 90 96 75 90	85 89 99 87 87	89 90 98 83 84	89 87 94 82 85	88 86 90 75 77	89 85 89 88 81	79 85 91 93 80	92 • 7 88 • 3 86 • 5 85 • 2 88 • 2	9.9 11.4 11.1 9.0 7.8
31	91	84	82	79	85	84	82	80	77	73	71	65	62	69	72	78	85	87	82	88	85	87	84	82	79•7	6•4
Mean	88•7	88-0	88•8	88•2	88•5	89-7	89•7	88•7	88•C	86•1	83•5	83 • 0	<u>80•3</u>	<u>80•3</u>	81•2	83•£	84 - 6	86•2	87-2	88 • 7	88•7	87-2	87-8	87•5	86 • 4	†8•7
Vapour Pressure*	mb. 8•2	mb. 8·1	mb. 8-1	mb. 8•1	mb. 8•1	mb. 8·1	mb. 8•1	mb. 8•3	mb. 8•7	mb.	mb. 9·1	mb. 9∙2	mb. 9•2	mb. 9•2	mb. 9•2	mb. 9•1	mb.	mb. 8-8	mb. 8-7	mb. 8•7	mb. 8•7	mb. 8•3	mb. 8•3	mb. 8•2	mb. ‡8•6	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

207. E	SKDAL	EMUIR	: Lo	uvred	Hu t:	h _t (heigh	t of	therm	omete	r bul	bs ab	ove g	round) = 0	•9 m.e	tres							NOV	EMBER,	1935
Hour . G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	. 13	. 14	15	1,6	17	1.8	19	20	21	22	23	24	Mean	Vapour Pressure
Day 1 2 3 4 5	% .83 89 92 92 89	58 83 93 93 97 98	% 87 88 98 96 100	% 91 89 95 96 94	93 87 87 94 98	91 84 94 91 98	% 89 81 93 88 95	91 80 86 89 96	92 84 87 86 93	90 90 89 83 89	90 91 87 80 93	88 88 88 80 87	87 83 85 80 83	% 87 84 63 79 85	89 87 83 86 88	91 87 88 91 91	97 88 86 93 94	% 92 89 88 94 98	95 93 83 94 90	92 90 88 98 87	95 88 91 93 89	94 92 91 95 86	94 92 88 96 92	91 89 93 91 93	% 90-3 87-8 88-9 90-1 91-9	8•5 <u>10•6</u> 9• 5
6 7 8 9 10	94 98 95 92 93	96 98 92 93 93	96 98 92 85 93	98 98 90 86 92	99 98 89 89 93	98 98 90 89 93	97 100 89 90 94	97 95 89 88 94	97 93 90 87 93	97 83 88 82 86	97 86 80 78 87	90 74 83 83 90	87 84 77 86 87	83 87 79 89 92	88 90 85 87 92	90 90 92 90 94	93 93 93 93 95	96 91 95 94 94	94 91 95 93 94	93 93 95 92 94	93 93 97 92 92	96 93 97 93 94	98 92 97 93 94	95 95 97 93 94	94-3 92-1 90-2 89-1 92-4	7•7 7•7 7•1
11 12 13 14 15	97 86 94 98 96	96 86 94 98 98	93 87 96 98 98	96 88 96 96 97	96 86 92 96 94	97 90 94 95 97	97 92 94 93 90	97 85 90 96 93	99 85 91 92 96	91 82 89 98 97	88 76 85 97 97	91 69 87 86 93	85 67 89 72 96	87 66 89 69 92	88 68 89 74 94	92 78 91 85 87	89 82 92 87 91	92 88 92 87 95	94 88 94 92 91	90 89 94 96 90	87 96 94 94 91	91 94 96 93 89	88 96 96 94 85	85 96 98 96 96	92·1 83·9 92·3 91·0 93·8	6•2 6•9
16 17 18 19 20	91 91 94 95 86	93 90 94 96 86	94 90 91 95 85	94 94 90 98 86	91 94 88 97 87	93 98 88 96 87	93 89 88 98 89	90 93 87 98 85	92 93 87 98 86	89 94 88 94 88	89 94 87 95 79	86 96 88 94 81	83 91 90 93 90	82 94 87 93 93	88 93 88 94 96	.90 93 88 94 94	93 94 94 92 94	93 93 92 89 93	93 96 89 86 88	89 96 92 82 87	91 93 92 84 87	90 96 90 79 88	89 98 95 80 88	87 94 96 87 85	90-3 93-4 90-1 92-2 87-9	8•0 8•4 7•4
21 22 23 24 25	85 92 92 91 99	87 92 90 91 100	87 93 91 91 100	91 92 94 91 100	86 93 94 92 100	85 93 92 92 100	88 96 92 95 100	87 93 94 95 100	86 90 92 96 98	85 89 86 98 92	86 80 80 98 88	88 85 70 99 75	88 82 68 96 71	91 80 66 94 74	93 87 73 91 77	90 88 80 93 84	93 90 83 92 84	93 90 87 94 81	93 88 88 96 81	94 87 90 98 81	94 90 90 96 81	94 90 90 96 83	94 92 92 96 89	94 92 90 96 91	89•5 89•4 86•0 94•4 88•3	8•1 7•4 5•5 <u>5•2</u> 6•7
26 27 28 29 30	88 85 96 85 85	90 88 96 84 84	93 87 94 90 82	94 85 96 87 82	94 84 96 87 84	94 84 96 86 86	83 93 96 86 82	78 94 94 87 82	84 93 92 87 84	82 90 88 83 83	74 89 86 81 87	73 86 84 75 85	74 89 83 77 83	74 88 78 85 85	84 91 78 85 92	81 91 80 80 92	85 88 80 85 92	88 90 82 80 91	89 90 77 77 98	87 88 77 84 96	89 88 79 82 91	87 90 79 80 85	85 96 81 .82 87	88 96 79 86 87	85 • 0 89 • 1 86 • 5 83 • 3 86 • 6	7•3 7•7 9•2 6•9 6•3
Mean	91•4	92 • 2	92-3	92-5	91.9	92•3	91.7	90-8	90-8	88-88	8 6 •8	84 - 7	83-5	83-8	86•6	88•5	90·2	90•8	90•3	90•3	90-4	90-4	91-6	91.7	89•8	† 7•3
Vapour Pressure*	mb. 7•1	mb. 7•1	mb. 7•1	mb. 7•1	mb. 7•1	mb. 7•2	mb. 7•2	mb. 7•2	mb. 7•5	mb. 7•7	mb. 7•9	mb. 7•3	шb. 7∙9	шb. 7•9	mb. 7•9	mb. 7•8	mb. 7•7	mb. 7•5	mb. 7•3	mb. 7•2	mb. 7•2	mb. 7•2	mb. 7•2	mb. 7•2	mb. ‡7•4	

208. I	SKDAI	.EMUII	i: Lo	ouvred	Hut:	h _t =	• 0•9	metre	s										-					DEC	ember,	1935
Day 1 2 3 4 5	% 87 83 73 85 98	92 85 74 85 93	% 87 80 77 85 92	% 87 82 80 85 92	% 90 84 80 84 90	% 90 82 80 85 90	% 88 80 79 60 90	\$8 80 80 80 80	90 77 80 78 90	% 93 75 76 77 92	92 75 75 74 92	\$ 92 79 77 74 90	% 89 79 78 78 82	% 85 75 78 82 84	% 87 74 78 85 86	75 91 77 85 87 90	92 77 81 88 93	\$ 89 77 82 91 95	% - 85 72 87 93 96	% 82 74 85 98 96	78 78 74 85 98 96	% 80 70 90 98 98	% 82 74 84 98 98	% 78 73 88 96 96	% 87•4 77•5 80•2 85•9 91•9	mb. 5•8 5•5 6•0 5•8 4•9
3	96	96	95	94	92	92	94	96	96	100	100	100	100	100	100	100	96	96	94	93	93	93	93	93	96•1	5-0
7	93	93	93	95	96	97	98	98	99	100	100	100	100	99	98	98	96	96	98	94	98	94	88	89	96•3	514
8	89	84	85	93	94	93	96	96	98	96	93	93	90	91	88	91	88	88	90	91	87	89	93	93	91•1	6-7
9	90	88	91	89	89	85	85	87	83	82	81	81	77	81	81	82	87	87	87	87	87	90	87	90	85•6	6-8
10	89	93	89	91	95	95	94	96	94	93	91	83	80	80	78	80	77	80	75	77	77	84	80	85	85•8	6-3
11	96	81	82	86	86	84	80	80	78	82	73	76	83	81	82	85	87	93	94	94	96	96	95	90	85•3	6•0
12	95	96	96	96	98	95	97	97	97	97	95	95	90	93	93	93	95	94	93	93	91	91	93	87	94•2	7•2
13	88	88	84	85	89	91	89	91	91	93	91	88	85	85	88	89	91	93	93	94	96	96	96	96	90•3	6•3
14	96	96	96	94	92	90	84	82	81	80	80	80	82	87	91	96	95	94	94	95	96	96	97	97	90•4	5•6
15	97	97	97	97	97	97	98	96	93	87	83	77	85	86	82	88	88	88	89	90	91	96	91	88	90•9	5•8
16	85	85	89	80	81	79	76	79	77	75	67	66	66	66	58	66	72	78	82	83	85	89	87	87	77•4	4·1
17	88	88	87	87	88	88	87	83	84	82	78	78	76	79	78	80	83	83	84	85	83	81	82	83	83•1	5·1
18	81	82	83	85	86	87	90	91	91	93	92	92	91	90	89	9 0	91	91	92	93	92	88	88	86	88•9	4·2
19	87	86	86	86	87	87	87	87	86	84	63	81	76	75	76	80	83	84	86	87	88	92	92	89	84•7	4·4
20	89	90	91	92	89	91	90	89	87	87	78	76	75	76	75	7 3	74	76	73	74	75	78	81	82	81•9	4·0
21	81	84	87	87	89	91	91	92	91	91	85	84	82	88	88	88	91	93	97	97	94	92	90	92	89·2	4.0
22	92	91	84	83	84	84	86	86	82	77	70	80	55	63	69	70	75	75	78	77	73	68	75	81	76·7	4.4
23	85	85	87	88	89	90	90	91	91	89	86	82	78	75	80	82	85	87	87	87	89	88	87	87	85·9	2.9
24	87	87	88	85	84	80	79	85	84	78	76	74	74	87	96	87	83	80	87	87	89	89	91	92	84·5	5.0
25	92	96	96	94	94	93	98	98	98	90	91	9 1	90	88	90	88	93	93	95	94	90	90	92	89	92·7	7.0
26	89	92	90	89	92	89	86	86	87	85	91	91	91	89	94	96	96	97	97	98	96	97	98	97	92·1	8-0
27	97	96	98	94	91	91	91	91	93	91	93	91	91	91	93	96	95	95	96	99	96	95	97	96	94·1	<u>8-7</u>
28	97	98	98	98	97	97	97	97	96	97	95	97	94	90	95	95	87	88	88	82	82	81	84	89	92·7	7:5
29	89	91	96	94	96	96	94	96	98	98	100	100	98	98	96	95	98	96	89	91	91	87	87	87	94·4	6-8
30	88	90	90	93	96	97	98	96	97	96	93	91	88	86	87	91	91	94	93	92	92	93	90	96	92·3	8-1
31	94	96	92	94	96	96	93	98	96	93	93	93	93	96	97	98	98	99	98	96	96	96	94	93	95 • 4	7•7
Vapour	89•2 mb.	89-5 mb.	89-4	89•5	90·2	89.7	89•2 mb.	89•7	mb.	mb.	86.0 mb.	84.8 mb.	83.7 mb.	84.7 mb.	85•6 mb.	87•3 mb.	mb.	mb.	mb.	89-2 mb.	88.8 mb.	mb.	89-1 mb.	89•3	88+2 mb.	†5•8
Hour G. M. T.	5-6	5·6 2	5•6 3	5•5 4	5•5 5	5•5 6	5•5 7	-5•5 8	<u>5•</u> 5	10	5•3 11	5.9 Noon	13	6•0 14	5•9 15	16	17	18	19	20	5·3 21	5 · 8 22	5+8 23	24	#5•7	

209 ESKDALEMUIR (Louvred Hut) ht = 0.9 metres

210 ESKDALEMUIR (Louvred Hut) ht = 0.9 metres

+2·8 +1·4

+6 • 3

h. - 242.0 metres + 0.4 metres

+2-1

+6•1

+5 • 4

+3 • 7

+1•4

-0.7

-3•5

1935

1935

+1.9

+5 • 7

1035

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	. 24	Mean
Relative Humidity	.% 89∙6	\$ 8 9-7	,5 89•9	% 89•9	% 89•7	% 89•0	ಸ 87•3	≴ 85•1	≴ 82∙9	% 80•1	¹⁶ 77∙5	% 75•5	% 74•3	½ <u>74•1</u>	74∙9	∄ 76•3	ર્જ 7 7∙ 9	ま 80・3	్ల 83•4	ಶ್ 8 5 •8	% 87•2	% 88•2	88 • 8	్డ 89•3	% 83+6
Vapour Pressure (in Millibars)*	mb 8•1	mb 8•0	mb 7•9	mb 7-9	mb 8•0	mb 8•¢	mb 8•2	mb 8•4	mb 8•6	mb 8•7	mb 8•8	mb 8•9	8•3 mp	mb 9•9	mb 8•9	m b 8•9	mb 8•8	mb 8•7	mb 8•7	mb 8•5	mb 8•4	8•3 mb	mb 8•2	mb 8•1	mb 8•5

^{*} Computed from the mean temperature and the mean relative humidity.

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES

The departures for the mean of the day are adjusted for non-cyclic change t

Month	Mean	Hour 1	G.M.T. 2	. 3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
January February March	% 85•6 85•6 83•0	\$ +1.2 +0.9 +5.6	\$ +0.5 +1.8 +5.7	% +1.2 +1.3 +6.2	% +1·7 +1·2 +5·7	3 +0·3 +1·1 +5·9	% +0·1 +0·5 +6·7	% +0·7 +1·9 +6·6	% +1.2 +2.6 +4.7	% +1·4 +3·2 +1·1	% +0.6 +1.6 -3.2	% -0•3 +0•4 -6•8	% -1.2 -1.5 -9.3	え -2・4 -4・0 -10・9	.3·6 -5·0 -11·1	2.3 -6.0 -11.2	7 -1.5 -4.9 -8.2	% -0•7 -2•8 -6•4	5 +0•3 -1•4 -2•7	-0·1 +0·6 +0·9	% -0·1 +1·6 +2·7	% +0.7 +1.8 +3.6	3 +0·8 +1·7 +4·7	% +0·5 +2·2 +4·5	% +0•9 +1•0 +5•4
April May June	80·3 71·5 84·4	+8·7 +15·4 +8·3	+8·7 +14·9 +7·9	+9•2 +15•3 +8•0	+9 • 5 +15 • 5 +8 • 3	+9•3 +14•6 +7•9	+9·8 +11·5 +6·4	+6 •6 +5 • 7 +3 • 1	+2·7 -1·5 -0·4	-2·5 -6·8 -1·5	-7·7 -11·2 -3·5	-13-8	-16 • 6	-11·3 -17·6 -11·4		-13·1 -17·5 7·9	-11·9 -16·2 -8·9	-8·6 -13·6 -7·9	-6·2 -8·9 -5·3	+0.5 -1.4 -1.9	+4·0 +4·3 +2·1	+5 • 1 +8 • 2 +4 • 4	+7•4 +10•9 +6•8	+7•7 +12•8 +7•6	+7•9 +14•4 +7•7
July August September	79 ·6 84·5 84·9	+11·2 +8·5 +7·4	+11•6 +9•0 +7•7	+11•7 +8•9 +7•8	+10•3 +8•5 +8•1	+10 • 1 +9 • 3 +8 • 2	+6·5 +7·9 +7·3	+2•3 . +4•9 +6•4	-2·8 +1·6 +4·5	-5·2 -2·4 +0·6	-6·2 -6·2 -4·3			-11·1 -12·9 -12·6	-10.8 -11.9 -13.5	-11.6 -11.7 -11.8	-10·3 -10·4 -9·8	-10·7 -8·4 -7·5	-8•9 -4•5 -2•9	-2·2 -1·1 -0·4	+3·1 +3·8 +0·7	+6 •0 ° +6 •3 +3 •5	+8·1 +7·3 +4·9	+9•4 +6•9 +5•8	+11.0 +8.2 +6.7

-2.2

-6.2

†See page 23.

-9-3

-8•7

<u>-9·5</u>

-7.3

-5•7

-3•3

-0.2

+2.2

-8.1

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES

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

ZII ED	KUKUM	IOIN	t -	242.0	metres	1 0 9	i me cr.																		,,,
Hour G. M. T.	0 to 1	to 2	to 3	to 4	to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm 67•2	mm 61•5	mm 76·1	73•0	mm 60•8	mm 55•3	mm 42•6	mm 49•7	mm 68•0	mm 75•7	mm 69•5	mm 67•8	mm 66•0	10m 51•9	mm 62•0	mm 66•3	mm 50•1	mm 58•4	mm 66 • O	mm 71•1	mm 60•1	mm 67•8	mm 61•9	mm 74•3	mm 1523•1
Duration	58.4	47.7	54+1	57.2	56.0	52.9	43.8	50+6	53.4	42.8	48+1	51.5	45.5	39.4	42.7	43.Q	44.4	46.5	50.1	49.9	48.1	49.1	54.4	59.6	1186.4

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

212 ESKDALEMUIR

November

December

83.6

+6•0

+6 • 1

+6 • 3

Year

NOTES ON RAINFAL

1935

+0·6 +0·5

+3.6

+4.6

+5•1

Rainfall Duration.

There were 135 days on which no duration of rainfall was registered. There were 33 days on which the duration of rainfall was registered as 0-1 hour to 1-0 hour, 34 days with 1-1 to 2-0 hours, 80 days with 2-1 to 6-0 hours, 67 days with 6-1 to 12-0 hours, and 15 days with more than 12 hours. The day with the greatest duration was April 16th when the duration was 22-4 hours, the amount falling being 27.4 mm.

Notable falls of the Year. (a) Th

- (a) The greatest amount in a 60-minute period was 10.3 mm, which was recorded between 1h and 2h September 19th. Falls of 5 mm in one hour or less occurred on 19 days; on September 2 this amount fell in 10 minutes.
- (b) Details of the greatest continuous falls are as follows:

Da te	Amount	Duration
	raun.	hrs.
February 20	37	11.0
August 26	27	8•3
August 30	36	11.5
September 18-19	41	7.0
October 7-8	0.0	. 1-9

Wet Periods.

- (a) There were two "rain spells" (i.e. periodε of fifteen or more consecutive days on each of which 0-2 mm or more of rain fell), viz. September 26 October 11, and October 23 November 22.
- (b) There was one "wet spell" (i.e. period of fifteen or mure consecutive days on each of which 1.0 mm or more of rain fell), viz. October £3 November 6.

Dry Periods.

- (a) There were no periods of "absolute drought" (i.e. fifteen or more consecutive days to none of which is credited 0.2 mm of rain or more) or of "pertial drought" (i.e. twenty-nine or more consecutive days, the mean daily rainfall of which does not exceed 0.2 mm).
- (b) There was one "dry spell" (i.e. period of at least 15 consecutive days to none of which is credited 1 mm. of rain or more) viz. May 13 June 1.

Rate of Rainfall (Jardi Recorder).

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

RAINFALL

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

213. ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242.0 metres + 0.4 metres

JANUARY, 1935

Hour G.M.T. O-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 16 17 17-16 17-16 17 1	1-0	9-20 20-21 mm	mm •1	22-23 mm ·1	23-24 mm •3	0-24 mm 14.8 1.6	Dura- tion 0-24 hr 17-2 4-5	Max Rate
1	1.0	•1 •2	•1	•1	•3	14·8 1·6	17-2	mm/hr
2	1.0		:::	•	•••	1.6	11.5	
3	1.0			•••	1			3 2
4			1 1	•••	1	11.8	1.9	2
5						1	1 1	
			1					
1 6 1	1 1		1 1			ľ		l '
	1]	,	-2	•2	(*)	0•4	0.9	•••
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04 1-4 1-5 1-7 1-		1.4 2	•4		1.1+	11.6	10.4	12
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26 .1 .1	1]		•••	•••	•••	0-2	0•6	• • • •
27	1	••• •••	•••	•••	1	2::	:::	1
28	1	••• •••	•••	•1	•1	0.5	1.4	
[25 [-1]]]]]]]]]]]]]]]]	1)	••• •••	•••	•••	•••	0.1	0.5	
30 .1 .1	•••	••• •••	•••	•••	•••	0.3	1.0	• • • •
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31	1	•••	1]	•••				<u> </u>
Sum 2.8 1.5 2.6 2.4 2.1 1.5 2.5 2.8 2.9 3.1 7.0 5.3 6.9 2.5 3.3 2.9 2.6 5.4	5•7	1.6 1.7	3.2	4-4	5.2	81.9	83-0	
Sum 2.8 1.5 2.6 2.4 2.1 1.5 2.5 2.8 2.9 3.1 7.0 5.3 6.9 2.5 3.3 2.9 2.6 5.4	. 3-1	1-0	3.6	4-4	"	 	ا " " ا	1
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[†] Hour of occurrence of the maximum rate of the fall (5 mm/hr. or more).

214. ESKDALEMUIR: $H_r = 242.0$ metres + 0.4 metres

FEBRUARY, 1935

Day 1 2 3 4	mm •3 •2	mm •2 •6 ••	mm -8 -5 1-4 -1	mm •3 •1 ••4	mm •8	mm •5 (•••)	mm •3 •3 (•1)	mm •3 •2	•4 •3 •8	mm •3 •1 •4	mm •2 •3† •3	mm -1 -1 -1 -2	mm •3 •••	mm	mm -2 -2	mm	mm •2 •2	mm	mm }	mm •••	mm	mm •1 •1 •1 1•7	mm 1·1 ···	mm 1.0 .2 	mm 6•4 2•9 2•7 4•4	hr 11.0 4.4 5.9 3.6 7.2	mm/hr 3 8 1 4
6 7 8 9	•2	•••	•3	•4	•5	•4	·1 ··· ··· (·1)	•6	··· ··· ··· ···	•1	(*)	(·1) 	(···) (···)	·ż		•1	•••		•2		•••	•3	•5	•8	3.1	5•2 8•3	2
11 12 13 14 15	·2 ·3 1·1 ···	1.5 2.1	2.0 2.0 2.0	(···) 1·9 1·5 ·6†	(·1) •7 •3 •5	(···) •7 •3 ···	•1 •5 •5	•3 •7 •4	··· •2 4•2	(···) ··2 ···	(···) ::: ::: •i	(·1) i·i	(···) ::: i·i	•7	3-1	3-91	1-4	(•••)	•2	•1 •1	•2	•1 •5 ···	2.9	1•9 •6† 3•2	5.9 8.5 14.1 5.9 12.3	5.0 7.3 10.3 2.1 6.9	4 10 14 12 7
16 17 18 19 20	•4	•3	1.8	1.3	1.4	•9 •1 ••• 3•4	•8 ••• •5 5•0	1.0 .9 1.6 3.9	1·1 •7 •3 4·5 4·6	2·9 ·2 2·4 4·0 4·7	3.0 .1 3.6† 1.4 4.0†	1.4 .1 .9 1.7† 5.8	2.0 .2 .1 2.0	1.0 .3 .1 	2•6 2•0† (≡ i)	2 · 2 (· · i) · · i	•1 •3 •2 ···	2.0† .5 .3	1.0 .4 .5	2-4	1.5	1·1 •2	•9 1•9	 •9 1•1	27·3 5·8 15·3 16·9 37·8	15.6 5.9 10.3 6.8 14.1	25 8 14 23 12
21 22 23 24 25	• 7	•9	•2	•••	···· (*)	(·i)	•••	···· ···· (*)	···· ··· ·1 (*)	(*) •5 (*)	-8	-8	·1 ··· ·1 ···	·1 (·1) ·: (·1)	•2 ••• ••• (*)	··· ··· ···	(*)	•••	•••	•••	•••	•1	•••	1-3†	0.5 0.1 1.1 3.7 1.9	1.3 1.5 3.9 2.5	3 5 3
26 27 28	•3		:::		•••	•••	•4	i.i	(:::)	(``i)	•9	1.5	•7	·:i ·:i	•••	···	•••	•••	•••	•••	•••	•••	•1	•2 •1	3·5 2·2	3·4 2·5	 1 3
Sum	3.7	7•6	10•3	8.2	5.4	6•4	8•7	11.0	17.4	16•6	16.7	16.1	7•4	5•2	9-3	7•2	2•5	4.6	3•0	2•8	1.8	4.2	10.0	11.6	197•7	145•0	
Total Dura- tion	hr 6•4	hr 7•0	hr 9•7	hr 6•8	hr 5•8	hr 5•4	hr 6•2	hr 8•9	hr 8•8	hr 7•7	hr 8.0	hr 8•4	hr 6•5	hr 6•5	hr 5•3	hr 3•8	hr 3•4	hr 3•4	hr 4•4	hr 2•8	hr 1•6	hr 3•3	hr 5•9	hr 9•0	hr 145•0		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24	-	

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

RAINFALL

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

215. ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242.0 metres + 0.4 metres

MARCH, 1935

																									HAL!		
Hour G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm,	mm	mm	mm	mm	2722M	mm	mm	mm	mm	mm	70 23	mm	mm	mm	mm	hr	mm/hr
1	•••	•••	•••	()	(•1)	(≣;)	(•1)	•••	•1	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	0-3	0-6	
2 3	***	2	•3	·:i	•••	••••	•••	•2	•1	•••	•:1	-8	•4	•::	2.91	1.8	1.5	•••	•••	•••	•,••	•••	•••	•••	8•5	7-2	٠٠; ا
4	:::	:			• • • •		•••			• • • •					2-51	1-0	1-3			• • • •	• • • •	•3	•6	2-71	3•6	7•0 2•2	8
5	1.7+		•••			•••	•••	•••	•••	•••		1.7	2•3	•2	• • • •	•••							l		5.9	2.2	7
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13			•••	• • • •	:::		•••		• • • •	•••	• • • •		• • • •	::: [•••	• • • •	•••	•••	•••	••••	•••	• • •	•••	•••	•••	l l
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18	•••		•••					`'	`	`'						·i	•6	-4	•5	•5	·i	•1	• • • •	•4	2.7	6.6	3
19	•3	•3	-3	•1		•••	•••	•••	• • • •	•••			• • •	•••	•••			•••		•••		• • •	•••		1.0	3•3	1
20	• • •	•••	•••	• • •	•••	•5	•3	••••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	0.8	1.1	2
21	l					•1	•1	()	(•1)	()					(•1)	()	•2	•2				•1	•9	1.5	3•3	4-8	2
22	1.3	•3	-8	1.3	•6	•2	•1	`′l	•6†	`•1	1.0	•1			`	•••	·ĩ	•6	•••	•3	•5	1.9	•••	1.1	9•9	9.0	32
23	2.0	1.1	3-2+	•9	•6	•3	•3	•2	•••	• • •	•••	•••	•••		•••	•••	•1	·1		•1		•4	-8	•5		10-2	17
24	•3	•1	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•1	•7	•8-	1.3	1.2	•3	4•3	6•5	2
25	•2	•••	•••	•••		•••	•••	•••	••••	•1	•2	•3	•••	•••	•••	•••	•••	•1	1.71	•••	•••	•••	•••	•••	2•8	3•4	17
26					l l															-1		•1		•3	0•5	0•8	2
27	•••		•••	•••	•••								•••			•••	• • • • • • • • • • • • • • • • • • • •	•••			•••				0.3	0-3	l l
28	•••	•••	•••	•••	•••	•••	•••	•••			•••	•••	•••	•••	•••		•••		•••	•••	•••	•••					
29	:::	• • • •	•••	•••	•••	•••	•••	,···、	,···、	,·· <u>·</u> .	,···、	,···.	.1	, •4	-4	. •3	•3	• 5	-5	-2	•4	•9	1.8	1-9+		10-9	7
30	1.3	•3	•1	•1	•••	•••	•••	()	(•••)	(•1)	(•••)	()	(•••)	()	(•1)	(•••)	()	()	••••	•••	•••	•••	•••	•••	2-0	3.3	4
31	•••	•••	•••	•••	•••	•••	•••	•••	•••	•2	•••	•••	•••	•••	•;•	•••	•••	•••	•••	•••	•••	•••	•••	•••	0•2	8•0	1
Sum	7-1	2•3	4•?	2•6	1-4	1.7	1.1	0•4	1.0	0•5	1.3	2•9	2-8	0.7	3•5	2•2	2-8	1.9	2•8	1•9	1.8	5•1	5•3	7•7	65 • 5	76 • 1	
Total	hr	hr	hr	hr	hn	hn	hn	hm	hm	hm	hm	hm	1-m	-	hm	h	h	1	h	b				\			
Dura- tion	hr 5•2	hr 4•2	4.0	hr 3•8	hr 2.1	3.0	hr 2.8	hr 0•7	hr 1•4	hr 1•3	hr 1•4	hr 2•5	hr 2•2	1.8	hr 2•0	2.6	hr 4•1	hr 4•4	hr 2•9	hr 3•7	hr 3•2	hr 5•1	hr 5•0	hr <u>6•7</u>	hr 76•1		

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

216. ESKDALEMUIR: $H_r = 242.0$ metres + 0.4 metres

APRIL, 1935

				,	,		 					_												, 			
Day	mm	mm	mm	mm	mm	mm.	mm	mm	mm	mm	mm	1000n	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm.	mm.	mm	hr	mm/hr
1	•••	•••	•••	•••	•••	• • •	• • • •	•••	••••	•••	• • • •	• • • •	• • •	• • •	•••	•••	•21	•••	•••	•3	•••	•••	•••	•••	0•5	0.5	7
3	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	••••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•2	::i	•8	i·i	1.6	-2
ă	-2	•1	•••	:::		•3	· · · · · · · · · · · · · · · · · · ·	•••	••••	•••	•••	•••	•••	•••		•••	•••		•••	•••	•••				0.8	2.0	î
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7				•••	•••	•••	• • • •	•••	•••	• • •	•••	•1	•1	•5	-5	•6	1.2	3.5	•5	•••	5†	•••		• • • •	7•5	5•0	1.2
- 8	()	(-1)	(•••)	•1	•1	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	0.3	1.1	•••
9	:::	•••	•1	1.6	8•	•4	•••	•••	2-71	1.7	3.0	•••	•••	:::	:::	:::.	:::	1			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		1.2	11.5	5.1	40
10	1.5	•9	•8	2•3	2-9	8•	•1	•2	••••	1.2	•••	. • • •	•5	1.0	8.0	4-3†	2•4	•4	2•5	2.2	•4	•1	2•8	3•4	<u>38•1</u>	16.5	66
ıı	1.8	3-9	1.0	1.1	-6	•1	ł	-6	1.2	•••					1 -1	3-81	2.9	•7	-1						17•9	9-2	10
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1.4	•••	•••	•••		•••	•••	•4	•3	•2	• • •			2.11	1.2		()	(-1)		•••	•••				•••	4.3	4.3	5
15	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•7†	•6	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	1.3	1•6	5
16		•4	•6	•9	•9	1.0	3.3	١,,	1.0	1.4	3.6		۱.,	1.0	۱	3.0		•5	•7	1.7	1.3	2.2	2.5	1.5	27•4	22•4	3
17	i-4	1.8	•8	1.0	1 .4	1.4	1.1	1.1	1.0	1•4 •1	1.7	1.8 2.1	1.9	1.3	3.0	1.0	•5	1		1.,		2-2	1:1	•1	14.2	12.3	12
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19		•••																									
20	•4	•1	1.0	1.1	•7	•1			•1	1.4	•3	•••	3-21	•2	• • • •	•3	•••		-8	1.0	1.6	•7	•3		13•3	12.0	44
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22	•••	•••	•••	1.0	9	• 7		•••	··· <u>:</u>	•••	•••	•••	•••		• • • •	•••	•••	•1	•3	•5	•••	•••	•••	•••	0.9	1.6	3
23	•••	•••	•6	1.7	-	1 '	•5	•5	•3	•4	•5 •4†	•4	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	6 • 5 0 • 4	9•5 0•£	3 12
25		• • • •	• • • •		:::				:::	• • •		•••		• • • •	:::	:::							• • • • • • • • • • • • • • • • • • • •		0.4		***
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28	•••	(≡ŧ)	(≡;)	(≡;)	(≡ŧ)	(•1)	(≡;)	(≡ŧ)	(≡:)	• • •		•••	• • •	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	0.1	•••	•••
29	•••	•••	<i>:::</i> \		,	/::·	,	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••		:::	:::	•••
30	••••	•••	(== <u>\$</u>).	(≡ŧ)	(-T)	(≡;)	(≡;)	•••	•••	• • •	•••	•••	•••		•••	•••	•••	•2	•••	•1	•••	•••	•••	•••	0•4	1.5	•••
31																											
Sum	5•0	7•3	4•9	10•0	7•6	3-9	3•5	3•5	5•8	6•2	5-9	4•4	8•6	5•1	12.0	10-0	7•3	5•4	5•3	5-8	3•8	3.2	5•8	7-0	147•3	108•3	
Total	hr	hr	hr	hr	hr	hr	hr	hr	hr	hn	hn	hn	hr	hn	hn	hr	hn	hr	hr	hr	hr	hr	hr	hr	hr		
Dura- tion	4-2	4-6	6-0	7-9	7•3	6-0	4-6	5-5	5•3	hr 3•8	hr 3•2	hr 2•7	4.5	hr 3•9	hr 3•7	3.8	3.9	4-6	4-9	4.8	3.0	2-5	3.4		108-3		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-12	13_14	14-15	15-1A	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		
w.M.T.		- "	" -	" -		1	1			V- - -				-0-27											1		
											ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u> </u>	· · · · · ·	·	·	·							L			

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

RAINFALL

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

217. ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242.0 metres + 0.4 metres

MAY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day	mn	mm	· mm	mm	mm	mra	mro '	mm	mm	mm	mm	mm	mm	mm	mra	mro	7020	mm	mm	mm	rom	mm	mm	min	mon	hr	mm/hr
2	•••	•••	-2	•4	•5	•2	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •			•••		1.3	2-8	```2
3 4	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	:::	• • • •	•••	•••	• • • • • • • • • • • • • • • • • • • •	••••	•••	•••		• • •	•••	• • •	• • • •	• • •	
5	•••			•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••		•••	•••		•••	•••	•••	•••	•••	
6							•••			•••	•••		,	•••	•••				•••	•••			•••			•••	
7	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	• • •	
	•••	•••	•••	•••		•••	• • • •	•••	•••	•••	•••	•••		•••					:::	•••			•••		•••		l ::: l
10	•••	•••	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••			•••	•••	•••	• • • •	•••		•••	•••	•••	
11		•••	•••				•••			•••					• • •		- • • •			•••		•••		•••			
12	•••	•••	•••	•••	•••	• • •	•••	•••	•••	• • •	•••	•••	•••	•••	•••	• • • •	•••		:::	: ::	:-:	•••		•••		:::	ا ين ا
13 14	•••	•••	•2	•••	•••	•••	• • •	•2	•••	•••	•••	•••	•••	•••	•••	•••	•••	•1	1.5	1.5	1.6†	•7	•3	•1	5•8 0•4	5•5 0•4	8
15		•••	•••	• • • •	•••	•••	•••		•••	•••	1.6	2.5†	1.2	2•3	• 7	-6	•7	•9	·i	•••	•••	•••	•••	•••	10·6	7.7	6
16		•••					•••			•••				•••				• • • •		•••		•2	•7	4•3	5-2	1•4.	
17	5.6	•••	•••	•••	•••	• • •	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••		•••	•••	•3	•••	•••	•••	•••	5•9 0•2	1•3 0•3	3 3
18 19	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	, •••	• • • •	•••	•••	•2	• • • •	•••	• • • • • • • • • • • • • • • • • • • •		0.2	0.3	ا ا
20	••,•	•••	•••	•••		•••	•••			•••	•••	•••		•••		• • • • • • • • • • • • • • • • • • • •		•••	•••	•••	•••	•••				•••	
21							•••		•••	•••	•••		•••	•••					•••	•••		•••	•••	 		•••	
22	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
23	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••		•••	•••	•••	•••	:::		• • • •	:::	• • • •	:::
25	•••	•••	•••	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •		•••							
26	•••		•••	•••			•••		•••	•••	•••	•••		•••						•••							
27	•••	•••	•••	•••	•••	•••	• • •		•••	•••	•••	•••	•••		•••	•••	•••	•••	• • • •	•••		•••	•••	•••		•••	
28 29	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	'''
30	•••	•••	•••	•••		•••	•••	• • • •		•••	• • • •	•••		•••			:::			•••		• • • • • • • • • • • • • • • • • • • •		:::	:::	• • • •	:::
31						•••					•••															•••	l l
<u> </u>																 	<u> </u>					<u> </u>		-			\vdash
Sum	<u>5•6</u>	•••	0•4	0•4	0•5	0.5	•••	0.5	•••	•••	1.6	2•5	1.2	2•3	0-7	0-6	0.7	1.0	1-6	2-0	1.6	0+8	1.0	4-4	29•4	19-4	
Total Dura- tion	hr 1.0	hr	hr 0•5	hr 1•0	hr 1.0	hr 0•5	hr	hr 0•2	hr	hr	hr 0•6	hr 1•0	hr 1.0	hr 1•0	hr 1•0	hr 1.0	hr 1•0	hr 1-2	hr 1•1	hr 1.6	hr 1.0	hr 1•2	hr 1•1	hr 1•4	hr 19•4		

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

218. ESKDALEMUIR: Hr = 242.0 metres + 0.4 metres

JUNE, 1935

Day 1 2 3 4 5	mm (•••)	mm (•1)	mm 1-1	mm 1.1	mm •6	mm (···)	70m (•1)	mm1 .1 ()	mm • 3 (•1)	-91 (•••)	mm	mm	mm •••	mm 6.4†	mm ••• •2	•5 •7 •5	mm •6 •2	mm 1.5†	mm (•••) •2	mm (•1)	mm. • 7	mm 1.5	mm •2	mm	mm 4.5 1.3 11.4 1.1	hr 3.7 1.6 6.5 1.4	mm/hr 6 6 65 3
6 7 8 9 10	•3	•••	•••	•••	2•6	•1 •3 ••• •1	•5	•3	3•2 •3	1·3 2·2†	2-1	1.4	1.2	1.3	··· ·1 2•4	•7	•3	1.0	1·1 •6† ··· 1·9†	2-21	•5	•••	1.7	•2	5•3 12•4 7•3 •••	3•9 5•9 5•0 5•3	10 30 8
11 12 13 14 15	1•4 •9 •1 •1	•3 (•1)	···· (····) ··1	1.31	1.1	•1	1.2	1.6	1.6	1.2	-1 -2 1-0†	•••	•8	1.0	•5 •6	1•3 ••5	1.2	•••	•1 ••• •1	1.5	•9	•3 •6†	•4	•2 •1 •••	15·4 3·3 1·5 2·8	10.9 3.2 4.0 3.7	52 18 22 12
16 17 18 19 20	•8	•9	•4	•4	•4	1.0	•4	•1	•·· •1 •5	•••	•3	2.21	•1	•••	1.9†	•1	•••	•5 ••• •1	1.9†	2•6	•1 •6	• 7	1.3	•6	5.1 2.0 1.6 4.0 7.3	2.2 1.0 3.6 6.3 10.7	28 6 3 3 5
21 22 23 24 25	(:::) :::	('·i) ::: :::	(····) :::	···) ···· ···	•3	1-4	1.2	1.5†	(···) ::: :::	(·1)	(···) :::	·1	•2	·1	•••			•••	•••	•••	•••	•3	·3 ·1 ···	···)	5•6 0•1 0•8 •••	8·£ 1·1	16 3
26 27 28 29 30	1.7+	•7 ••• 1•9	1.0	1.1	1.4	•7	•5	•3 1•0 ••• 2•7	•6 1•7 •••	•9 •7 •••	1.6	•7 •3 •••••1	•3	1.21	•3	•••	•••	•••	()	(···)	·3 (·1) 	 (•••) 	1.0	•4	7•5 11•6 9•0	8.0 12.1 7.4	12 9 14
Sum	6 - 0	4-1	3•4	8•8	6-9	4-1	4•5	8•0	9•1	7-9	7•1	4-9	2•9	10•3	6•2	4-4	2•8	5-5	6•3	6 - 8	3•£	3•6	5•2	2•4	134•4	115•9	
Total Dura- tion	hr 4•9	hr 3•6	hr 4•1	hr 4•9	hr 6•3	hr 5•2	hr 5•2	hr 7•3	hr 7•5	hr 5•9	hr 5•5	hr 5•1	hr 3•5	hr 4•6	hr 4•5	hr 4•\$	hr 2•6	hr 3•7	hr 4•2	hr 4•3	hr 4•2	hr 3•6	hr 5•8	hr 4•5	hr 115•9		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15 - 16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

RAINFALL

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

219. ESKDALEMUIR: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 242.0 metres + 0.4 metres

JULY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Mex Rate
Day 1 2	mm	mm	mm 	mm •1	mm •1 •1	mm •3	mm 1•3	mm •3	mm •7	mm 1•0	mm •5	mm •1	mm (•••)	mm (•1)	mm (•••)	mm.	mm 2•0† 3•0†	mm •9 1•0	mm •5	mm •1	mm •2	mm '	mm	mm	mm 8•3 4•7	hr 11•3 4•1	mm/hr 9 48
3 4 5	•1 •5	•6 •5	•3	··· ·3 ·1	•2	•2	 ::	•3	•2	•••	•••	··· •2†	•••	•••	•4 •2	∵i	•8 •8	•9 •2	•3† •1	•6 •1	•3 •2	•4	•3	•5 •7	3•4 4•3 2•8	6•5 11•2 7•5	6 3 7
6 7 8 9	•••			•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••			
10 11 12 13	•••	•••	•••	•••	•••	•••	•2	•3	•6	•3	1.1	•8	1.5	•4	•5	•1	•••	•••	•••	•••	•••	•••	•••	•••	5•8	7•6	3
14 15	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
16 17 18 19 20	•••	(···)	··· (·1)	···· (····)	•2	•••	•••	•••	•••	•45	•1	•1	2.81	•9	1.3	4·1 1·3	• 5	2•0	1.3	•4	1·1 1·1†	1.0	•2	• • • • • • • • • • • • • • • • • • • •	8.0 0.6 10.6 7.5 0.3	1·1 1·3 3·0 5·1 0·7	47 5 69 21 1
21 22 23 24 25	•••	•••	•••	•••	•••	•••	•••	•••	(···)	() 	(:::) :::	(·1) 	(····)	(····)	•••	•••	•••	•••	•3	•1	•6†	•••	•••	•••	0·1 1·0	1.6	8
26 27 28 29 30	•6	•3	•7	•8	•2	(::: ₎	(·i) 	•••	•••	•2	1.7	•4	•4	•4	•5	•1	•••	•••	•••	•••	•4	•1	(····)	(•1) 	0·6 6·4	1.7 9.5 	2 4
31 Sum	1.2	1.4	1.5	1.3	1.0	0•5	1.7	0•9	1.5	1.9	3•4	1.7	4•7	1.8	2•9	6•0	6•3	5•0	2•6	1.3	3.9	8•7	0.8	2•2	64•4	 72•2	
Total Dura- tion	hr 2•3	hr 2•8	hr 3•3	hr 3•3	hr 3•6	hr 1•8	hr 1•9	hr 2•4	hr 2•5	hr 2•1	hr 3•4.	hr 3•3	hr 2•5	hr 2•1	hr 3•2	hr 3•5	hr 3•1	hr 4•1	hr 4•0	hr 3•3	hr 5•0	hr 4•0	hr 2•1	hr 2•6	hr 72•2		

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

220	. ES	SKDALE	MUIR:	Hr	= 242	?•O noe	tres	+ 0•4	lmetr	es														AUGU	ist, 1	L935	
Day 1 2 3 4 5	mm.	mm.	mm	mm 	mm •2	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mro	mm	mm	mm	mm	mm	mm	mm	mm	mm ••• ••• ••5	hr 2.5	mm/hr 1
6 ? 8 9 10	(a) 	(·i) 	(≡i)	(= i)	(≡i)	(≡ 1)	(≡ i) :::	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	(<u>a</u>) .1	(a) 	(<u>a</u>) 	(<u>a</u>) 1·1	0.1	3.0	
11 12 13 14 15	1.6	•4	1.7	1.3	•1	•••	•••	•4	•4	•3	•1	•2	1.3+	•5	•3	2.5	•6	•2	1.3	1.4	3.3	•8	1.3	•6	20•6	16 • 7	15
16 17 18 19 20	··i ··· (····)	 •2 •4 (•1)	··· 1·2 (····)	···· ·1 ·7 (····)	1.1 .6 .1	•2 •4 •1 •1	1•7 •1 ···	1.7 .2 	1.2	1.6	•6	•3	1.01	3•3†	•8	•2	•••	•••	•••	•••	····)	···· (····)	·1 (·1) (≡ į)	·1 (···) (= ;)	7•5 6•6 4•6 0•3 0•3	8.2 8.7 4.5 1.6 1.4	13 12
21 22 23 24 25	(≡ i)	(•1) 	(≡ i) 3•5†	(≡i) 	(≡i) 	•5	•••	•••	•••	•••			•••		•••	•••	•••	•••	•••	•5	•1	•••	1.0	•9	0•1 2•5 4•2	2.9	3 3 36
26 27 28 29 30	•3	•4	•3	•2	 () 1•2	 (•1) •2	2•6 ()	1.8	1·1 	•4 ••• 3•7	•5 1•2	·1 2·6†	6.1	 3•8	•5 ••• ••• 3•1	1.7 .2 2.8	1.9	5•6†	5•5 1•8	4•7 ••• 4•5	3.1	2•3 ••• •3 1•2	1•2 ••• •4 1•6	•3	33.0 0.3 0.2 1.1 43.1	13·3 0·9 0·4 2·9 17·7	11 1 1 3 58
31	-1	<u>`</u>	`	` '	(•••)	•5	•••	•••	•••	•••	•••		• • • •			•••	•••	•••	•••	•••	•••	•••	•••	•••	0•7	1•4	2
Sum Total	2•2	1.7	7•0	2•4	3•6	2•3	4•4	4•1	2•9	6•0	2•4	3•8	8•4	7•6	4-7	7•4	5•3	8.1		11.1	9•6	5•2	6•1	3•0	127-9	88+2	
Dura- tion	hr 4-0	hr 3-1	hr 4•9	hr 4.0	hr 5•6	hr 7•3	hr 2•5	hr 3•4	hr 3•6	3.0	hr 2•6	hr 3•3	hr 2•1	hr 2•3	hr 2•4	hr 3•7	hr 2•9	hr 2•4	hr 3•0	hr 3•7	hr 4•0	hr 4•6	hr 5•7	hr 4•1	hr 88•2		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-13	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

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

RAINFALL

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

221. ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242.0 metres + 0.4 metres

SEPTEMBER, 1935

																										•	,,,
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-1 9	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day 1 2 3 4 5	mm 1.0	mm 2-8	mm 10-0†	mm -2	mm •2	-6	mm	mm	1·3	mm 1.9 1.8	mm 1·1 ·7	1•1 •1	mm • 7	mm	mm • 7	mm •4 •9	mm •1	•••	•3	mm 1.9 2.9†	mm 1.5	mm •2	mm 2•7†	mm. 4.5	mm 11.9 21.1 8.8	hr 6•4 8•0 4•4	mm/hr 26 63 54
6 7 8 9 10	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
11 12 13 14 15	1·5 ·7	1.5	•5	··· ·5 ·1	··· ··1 ··4	8.01	··· ··· ·4 ·1	···	•2	··· ·2 ·5 1·5	•8 •7	 .8 1.9	i:i :::	() ::i	•••	1 (·1) ·1 3·8†	•7	(····) :::	3•7†	• 7	···· ··1 ···7	•••	•••	•••	0•3 9•0 12•6 9•8	1·1 5·3 5·5 5·6	20 60 113
16 17 18 19 20	··· •1 5•8	10·3†	2·8† •8 8·2	1.4† 3.8 .7 3.5	2 2 2 · 1 · 6 1 · 6 · · ·	•6 •7 •5	•8	•4 1•2 •7	•9 •1 •3	·2 ·1 1·1	1.0† •5	2.3	•1 •5 •1	•1	•3	•1	•••	•1 •1 •••	•3	•3 •2 •••	•7 1•0 •1 ···	1•4 1•1 2•5	1.0 1.3 3.4	•1 •7 5•2	6.6 14.9 17.8 35.3	8•4 7•7 12•6 9•2	9 14 33 40
21 22 23 24 25	•••	•••	•••	-2	•••		•2	•2	•••	•••	•••	•2	•••	•••	•••	•••	•5	•1	•••	•••	•••	•••	•••	•••	0•8 0•8	2•7 2•6	1 1
26 27 28 29 30	•9	•3	•••	•••	 •4 (■ •) •9	 •3 (•1) •6	••7 (≡ 1) •4	•2	1.0 1.1	1-7†	•9	•6	1.3	•••	•••	•1	•6	-9	1.0 () .8†	1•3 •8 •3	1.7 1.3†	•2 ••7	2•3 •6	2-5	6.2 1.3 7.1 10.9 8.7	7.6 1.5 6.5 5.3 6.5	3 2 6 13 50
	11•7	15•0	22•3	10•4	6•5	11•4	2•6	3•5	4-4	9-0	5•7	7•4	3•8	0•2	1•4	6•5	2•5	1•9	6•2	8•4	7•8	9•6	11.8	14-2	184•2	106-9	
Total Dura- tion	hr 5•0	hr 3•6	hr 3•6	hr 5•5	hr 4•9	hr 4•9	hr 3•9	hr 4•8	hr 5•0	hr 5•1	hr 5•0	hr 6•0	hr 3•8	hr 0•6	hr 2•0	hr 3•0	hr 3•8	hr 2•5	hr 4•7	hr 5•9	hr 6•1	hr 5•1	hr <u>6•3</u>	hr 5•8	hr 106•3		

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

222. ESKDALEMUIR: $H_r = 242.0$ metres + 0.4 metres

OCTOBER, 1935

Day	mm	mm	min.	mm	mm 2•5	mm 3•5†	mm 1.4	mm 2•2	mm 1•5	mm	mm	mm •1	mm	mm	mm	,mm	mm	mm	mm	mm	mm	mm	mm	mm	mm 11•7	hr 5•9	mm/hr 35
2	•4	1			2-5	3.91	1.4	2.2	1.5	•••			:::	-2	()	(·1)	()	()	-1	1.4	3.5†	•5	:::	•1	5.9	4.1	6
3	•5	1.3	•8	•3	1.5	•5	•1	•2	•••	•••	•••	•••	•••	•••	`	••••	••••		•••	•••		•••	•••	;;;	4·9 1·2	6.0	3
5	• 2		•6	2-8	2-2+	2.4	1.4	2-1	1-5	•9	•7	•3	•2	•••			• • • • • • • • • • • • • • • • • • • •	•••		•••			•1	1.1	15.3	1•1 10•8	5
6 7 8 9 10	1.8 .5	2•6 1•1 2•1	4•8 •••	5•9 ••• 2•9†	5.7	5-8†	••• ••5 ••2 1•3	•2	··· •1 2•7	2•5	·2 ·1 ·6	•3 •9 •9 3•1	•1 1•1† •7	(···) 1·0 ··· 3	(·1) ·3 ·2 ·9†	(···) ·5 1·3 ·6 ·3	•3 •5 1•9	•9	•4	•2 •5	 .i. .i. .i.	i·1	•2 •4 1•1	•1 •5 •5	0.6 0.4 30.3 6.7 18.4	0.6 1.7 7.9 9.4 9.4	2 2 38 14 18
12 13 14 15	•3	•••	•••	•••	•••	•••	•2	•2	•3	•4	•••	•3	•5	•4		•1 ••5	•3	•5	2.1	2·8† 2·5†	4·5 1·0	4.2	1.7	•2	16•7 0•3 8•7	7•8 0•5 11•9	10 2 9
16 17 18 19 20	1·3 ··7 ···	•7	·1 ··· ·1	•5 ••3	-6 1-4+	2.4	•5	•1	•4 •1 ••5	2.2	i:i ∵i	1.6 .5	4.71	2.7	1.2	3.2	•6	•1	1.3	3.8	·2 2·5	3.8+	-1	•••	3.7 13.2 17.5 10.4	4•7 6•8 7•0 7• 5	23 78 13
21 22 23 24 25	···· ··· ··· ··· ·· ·· · · · · · · · ·	•9	•8	•2 •7	•2 •5	5	·2	•1	···	•••	•5	•7 ••• •4	•7 ••• •1	2.0†	1.4	·1 ··· ·1 ···	•5	•9	•3	••• •7 •8	1.7	1·1 •5	••5	1·4 •4	5·4 6·8 8·6 2·0	4.6 6.9 16.3 4.7	7 3 3 2
26 27 28 29 30	··· ··· ·2 1·7	1.8	•1	····)	··· (·1) ···	•3 (•••) •7	··· (···) ·3 ·1	•1 •6 •2 2•9	•7 1•6 ••• 1•9	•3 1•0 •4 2•2	(···) •5 ··· •3 2•1	(·1) ·1 ·3 3·2	•1 •1 •7 2•4	1.5 .8 .3	1.0 .1 1.5†	1.3 1.3 .3	•9 1•7	1.6 1.9 	*6 2*2 *3 2*2†	•1 1•3 •4	•3	-6	•8	••• •1 3•4	3.8 9.6 9.0 11.6 21.6	4.5 12.1 5.9 7.9 12.5	4 2 3 15 · 22
31	1-4	•5	•••	•••	•••	•••	•••	•••	•••	•••	•••	*1	•3	•••	•••	-9	•1	•1	•••	2.14	-6	1.1	•3	•••	7•5	4.0	13
Sum	1174	11.1	7•5	13•7	16:3	17•0	8•1	9•8	12•8	10•9	6•6	12•9	12•2	9•8	8•1	10-8	7•9	6•6	10•1	16 • 6	15•9	13•5	6-2	8-1	263•7	189•8	
Total Dura- tion	hr 8•7	hr 7•1	hr 6•6	hr 7•3	hr 8•8	hr 9•1	hr 9•2	hr 8•3	hr 10•5	hr 6•2	hr 6•4	hr 9•5	hr 8•0	hr 6•2	hr 7•5	hr 7•4	hr 7•8	hr 7•2	hr 7•9	hr 9•4	hr 9•2	hr 7•5	hr 6•8	hr 7•2	hr 189•8		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-37	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

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

RAINFALL

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

223. ESKDALEMUIR: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242.0 metres + 0.4 metres

NOVEMBER. 193 NOVEMBER, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day 1 2 3 4 5	mm •3	mm 1.5†	mm	mm 2.2	mm •5 (•••) 1•4	mm (·1) ·1	mm •8	mm •8	mm •4	mm	mm	mm	•4	mm.	mm. 2.5	mm 1-5+	mm	mm2 1.0	mari	mm •6†	mm 1.9 1.2	mm •1 1•5 •• 2	mm • 2 • 1	mm •1	mm 6.5 3.0 3.3 7.3 2.2 1.5	hr 1.9 2.0 3.4 4.5 1.8	mm/hr 40 11 3 20 2
8 9 10		 (:::)	(•1)	(•••)	•3	•1	•••	•••	•2	•••	•••	•••	•6	••4 •1	•1	-2	•••	•••	•••		•••	•••	•••	•••	0.2 1.3 1.4	0.2 2.1 1.7	1 2 3
11 12 13 14 15	•7 2•0 •5	1.0 .6 .2	•3 •1 •2	•••	•6 •7 •2	•2 •3 ••1 •5	•3 ••• 1•9	1·3 1·4	2·7† 1·1	5•0 •7	•3	•••	•3	•3† ••• ••• 3•5†	•••	•••	•2	•3 •9 ••• 1•1	•2	•3	*8	•3	1.0 1.0 1.0	•3 •1	2.0 7.7 2.7 12.1 13.3	2.6 8.7 2.2 5.2 10.5	33 18
16 17 18 19 20	•4	•7	•1	•3	•5	•8	•4	•1	•2 ••1	1•7 •1	2•3	1.9 .5	•3 •8	·1 ···	1·3† 1·3 ··	1.5	1.4	•7	1.2	•2	·1 ···	•5	•6	1.2	1•3 15•3 2•7 0•3 3•8	0•4 13•£ 4•0 0•4 9•3	7 3 3 1 2
21 22 23 24 25	•••	•••	•••	•••		•••	•1	(···) ::: (≡i)	(···) •2 ··· (··1)	(···) :::	(···) :::	(···) ::: :::	(·1) 	(···) ::: :::	(···)	(···) :::	()	(···) 	(···) -6†	(·1) 	····)	()	(·1) ·1	(···) 	0.3 0.2 0.6 1.1	0•4 0•5 1•0	1 (6) 2
26 27 28 29 30	1•3† 2•1	•7 •6 1•9 •1	2·3 1·4 ·8 (···)	2.9 .2 1.1† .4 (.1)	•9 1•7 •1	1·4 ()	•7 ••s ••1)	 1.1 	•3 •1 2•8 ···	•3 1•8 •••	••• •1 •3	•4	•4	••• •4†	•1 	•1	1.0	•6 •1 •1 5•4†	•5 •1 6•0	•4 ••• ••• 5•3	•3	1.5	•4	2•3 2•3 •1 1•3	14.6 6.4 15.3 2.0 23.2	9.8 3.8 9.0 2.6 8.0	7 6 9 5 8
Sum	7•8	7•8	7•0	7•3	6•8	4•7	5•2	5•0	8•2	9•6	4.7	3•2	3•3	4•9	6•2	3•6	6•5	<u>10•4</u>	8•7	6•8	4•9	7•4	4•0	7•7	151•9	112•4	
Total Dura- tion	hr 7•7	hr 7•4	hr 5•5	hr 4•8	hr 5•6	hr 4•9	hr 3•9	hr 4•9	hr 4•5	hr 3•8	hr 3•9	hr 2•7	hr 3•9	hr 2•9	hr 3•3	hr 2•7	hr 4•3	hr 5•8	hr 4•4	hr 2•5	hr 4•7	hr 5•3	hr 6•2	hr 6•8	hr 112•4		

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

224. ESKDALEMUIR: $H_r = 242.0$ metres + 0.4 metres

DECEMBER, 1935

1	Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
3	1			ļ		l			Ι.								_		i									3
4	3			1	1							l						1 2 6										"i
8	4	••••	•••	•••	1	•••	•••	•••	•••		•••	•••		•••	•••		•••	• • • •	• • • •	•4			1.2	•1				
7	5	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•1	•1	•••	•••	•••	0•2	0•8	•••
8	-				-1	•1					• • •	•••																:::
9						Į.						1 -			i				l									(6) 5
11 () (- 1	- 1		i	l	1 .			1			İ	1 1					ł	1		1					1		
12 (···) (··	10	•••	•••	•••	•••	•••			•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •		
13	11							 					 		• • •		•••			(•••)	(•1)	()	(•••)	(•1)	(•••)	0•2		
14		` '		(•••)	(•1)	(•••)	(-1)	()	(• • •)	(•••)	(•1)	(•••)	(•••)	(•1)	(•••)	(•••)	(-1)	()	(•••)		•••	•••	•••	•••	•••			
15 -2 -1 -2 -6 1-1 -4 -1 1-0† 1-3 (**) (**) (**) (**) (**) (**) 1-3 -6 -2 -2 8-0 6-8		- 1			1 .	•••	ĺ	1	1			1	1 1			-5			i									1
17						1.1	1						(*)								1	l 1						12
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19	17			i		ł	l	i				l			•	1		ì	1		1	[
20				•••	•••	•••	1	•••	•••	•••	• • •	•••	•••	•••	•••	••••	•••	• • • •	• • • •	• • • •	•••	•••	• • •	•••	•••	•••		
21			1					1				ł			ŀ	1		ĺ	1		l l) 1		i l		•	1	
22								1					***								i						l	'''
23			1	1	1	1	1	l .	l			i '				ł i		ľ	_	_	,				1			•••
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26		•••	•••	•••	•••	•••	•••	•••	•••			1			•••	•3	1.1		I .	•3		•••	•••	•••	•••			l ···
27 1-6† ·7 ·9 ·1 (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···) (·1) (···)	ž5	•••	•••	•••	•••	•••	•••	•••	•••	•6	•9	1.4	1.0	•••	•••	•••	•••	•5	1.3	•••	•7	•••	•••	•••	•••	6•4	4.8	4
28 1-4 -1 (···) (-1) (=;) (=;) (=;) (-1) (=;)								ļ	•••		•••			•3	•4	•4	•4	•7	•••						•6			4
29 30 -5 -3 -8 2-0 1-3† -11 -1						1 2				ر <u>نـــن</u> ا			1					i	1	•2	(•••)	, ,	•1	_				12 4
30 -5 -3 -8 2-0 1-3t -11 -1		1		1	1	' '		1	1		' '		1		Ĭ.			ł	1				•••					
Sum 2.7 1.7 4.5 5.5 2.6 1.6 0.3 0.5 2.0 4.0 7.1 2.7 3.8 1.7 3.7 4.7 2.9 2.6 4.9 5.9 4.1 3.2 1.3 0.8 74.8 69.2 Total br br hr hr hr hr hr hr hr hr hr hr hr hr hr	30	•5	•3	•8	2•0	1.31	•1	1	•1		•••	•••			1	•••	•••	ł	•••	•••	• • • •	•••		•••			6•0	5
Total br br br br br br br br br br br br br	31	•••		•••							••••	•7	•7	•9	•3	1.31	•4		•••		•••		•••	•••	•••	4-3	4•7	7
Total br br hr hr hr hr hr hr hr hr hr hr hr hr hr	Sum	2•7	1.7	4.5	5.5	2.6	1.6	0.3	0-5	2.0	4.0	7.1	2.7	3.8	1.7	3.7	4.7	2.9	2.6	4.9	5.9	4-1	3•2	1.3	0.8	74.8	68-2	
Dure 3-2 2-3 3-2 3-8 2-5 2-2 0-7 1-6 2-0 2-4 3-6 2-7 2-2 2-9 3-8 4-2 3-8 2-1 4-0 5-5 3-5 3-1 2-7 1-2 69-2 Hour 0 1 1 6 0 0 0 4 4 5 5 6 0 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total			L					ļ.,				· ·				ļ		ļ					- ;				لـنــا
Hour 0.1 1.6 0.0 0.4 4.5 5.6 0.7 7.0 0.0 0.10 1.10 1.10 1.10 1.10 1.	Dura -																											
		3°%	2.3	3.5	3.8	5.0	5.5	0.7	1.6	2.0	2.4	3.6	2.7	2.5	5.3	3.8	4.2	3.8	5.1	4.0	5.5	3•5	3.1	2•7	1.2	69•2		
Martin I I I I I I I I I I I I I I I I I I I		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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		
	G.M.T.				.,				•	L	3-10			-~					1-1-10		20-20	~~~1	~=~~	~~~	~.,-2.4			

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

JANUARY, 1935

La T. T. T. T. T. T. T. T. T. T. T. T. T.	225.	ESKDA	LEMUI	R: h	ıs (l	neight	of r	ecord	er ab	ove gr	ound)	= 1.5	5 metr	es									JANUARY,	1935
	Hour	3-4	4-5	5-6	6-7	7-8.	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	for	of	recei	ved on sur	face
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6. ESKDALEMUIR: h _g = 1·5 metres FERRUARY, 195 FERRUARY, 195 FERRUARY, 195 FERRUARY, 195	.7		i		1	1	1					1	1.	i	f	1	1	1	1 1					C
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6. ESKDALEMUIR: h _s = 1·5 metres FEBRUARY, 195 FEBRUARY, 195 FEBRUARY, 195 FEBRUARY, 195		j				1.0	1	1	1.0	ĺ	1.0	1	1.0	İ				1		. "				
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6. ESKDALEMUIR: h _S = 1·5 metres FERUARY, 193 6. The stres FERUARY, 193 FERUARY,	4 5		į.	l .	1	l .	i	1					•	· .	1	1	•	1				1	1	
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6. ESKDALEMUIR: h _S = 1·5 metres FEBRUARY, 193 F	85	ı	l .	1	1	1		-							1	1	l	ł	1					Cle
6. ESKDALEMUIR: h _s = 1·5 metres FEBRUARY, 193 F	30		1	1	1		1	1	i	ſ	1		1	ı	1							1	1 -	
6. ESKDALEMUIR: h _S = 1·5 metres FEBRUARY, 195 The hr hr hr hr hr hr hr hr hr hr hr hr hr	31						•2	8	1.0	1.0	.9	.7	•5	•2						5+3	62			
6. ESKDALEMUIR: h _S = 1·5 metres FEBRUARY, 195 The hr hr hr hr hr hr hr hr hr hr hr hr hr	un.				<u> </u>		2.8	7.4	10-1	10.0	8.2	8.1	7.7	1.2						55 • 5		<u> </u>		
6. ESKDALEMUIR: h _S = 1·5 metres FEBRUARY, 193 hr hr hr hr hr hr hr h				 -	 		-	 		 							-	 	-					-
hr hr hr hr hr hr hr hr	en	<u> </u>				• • • • • • • • • • • • • • • • • • • •	-03	- 24	-33	32		-20	-20	-02	L					1.0		<u></u>		
hr hr hr hr hr hr hr hr																							•	
1	26. E	SKDAL	EMUIR	: h _s	= 1.	5 met	res															F	EBRUARY,	1935
1	Ŋ	hr	hr	hr	hr	hr	hr	hr ·	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	%	mw/cm ²		
3	ì				1	•••									•••	1	I	1	1. 1				•••	
4	3	ł			1		1	1		1			i	1	:::	1	ı						:::	
6	4					•••		•••	•••	•••		•2	•3		•••					0•5	6	•••	•••	
7	5						.5	***	• • • • • • • • • • • • • • • • • • • •	•••		•••								U•#	ž		•••	
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2 0.3 3	٥.					•••	•••	•••	•••	•••	***	•••	•••	•••	•••					•••	•••		•••	
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Day	hr	hr	hr	hr	hr	hr	hr '	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	j %	mm/cmc	1	
1						•••	··· <u>·</u>	•••	•••	•••		•••	•••	•••					•••	•::	•••	•••	•••
2					•••	•3	•7	-9	-8	•8	1.0	•5	•1	• • • •					5.1	59	•••	•••	•••
3	\				•••	•••	•••	•••	•••	•••	•••		•••	•••]	:::		•••	•••	
4					•••	•••	•••	•••	•••	•••	•2	•3		•••					0•5 0•2	6	•••	•••	•••
5					•••	•2	•••	•••	•••	•••	•••	•••	•••						0.5	2	•••	•••	•••
6				l	ł	-2	.7	-4	•2	-4	.9	•5	1 .			1			3-3	37			
7	==				• • • • • • • • • • • • • • • • • • • •	•3		-9	1.0	.7	•2	-6	•6				==	==	4.3	48		•••	
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12		·				•••	•••	•••	•1	•1	•••	•1	•••	•••					0•3	3		•••	
13					• • • •	•••	•••	•••	•3	• • • •	•2	-1	•••	• • • •					0.6	_6	•••	•••	•••
14					• • • •	•5	1.0	1.0	1.0	1.0	1.0	1.0	•2	•••					6•7	71	88	2-77	Clear
15					•••	•••	•••	•••	•••	•••	•••	•••	•••	•••					•••	•••	• • • •	•••	
16	l		1	1	1			1]	1		ļ	ļ									1	
17					•••	•••	•••	•••		• • • •	•••	•••	• • • •	•••					•••	,	•••	•••	••••
18	==	[==	==	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	• • • •				1	•••	•••	•••	•••	
19	==				:::	•••	•••	•••	•5	•5	••5	·:i	•5	•••					2.1	21 /		•••	:::
20	==				:::	:::																	
ł	1		1	1			***	•••	'''	***	1	***	'''	***									
21					l				•1			•2	•3						0-5	6			1
22									•3	•9	•3	•1		•1					1.7	17			
23					•1	•2	•5	-7	1.0	1.0	1.0	1.0	1.0	•4					6-9	68 🖟	90	2-43	Clear
24				•••						• • •		•1							0.1	1	•••	•••	•••
25				•••	•••			1.0	1.0	•9	-6	•7	-9	•4	•••				5•5	53	85	2.35	Fine Ci
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26 27				•••	•8	1.0	1.0	1.0	1.0	•9	•9	•8	-2	•••	•••				<u>7-6</u>	<u>73</u>	. 83	2-33	Clear
28 28				•••		•••	•••	• • • •		•••	•••	•••	••••		•••				•••	•••	•••	•••	•••
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1					1]	1				l	i		1				1					
	<u> </u>				_								<u> </u>										
Sum					0.3	2.7	3.9	5.9	7.4	7.2	6.8	6.1	3.8	0.9					45-6				
Mean	 		 	-	•03	•10	•14	 									 		1.63	17			
	<u> </u>		<u></u>	•••	•03	.10	.14	•21	<u>•26</u>	•26	•24	•22	•14	•03	•••				1.03	17			
	1]		1]						l								Rate near		
Hour	1	1		1	1_	l	ł				1	1	1	1	1				Total	Per cent	noon†	Sec Z	Sky
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	for	of		4D D4D76==	.037
1	ı	l	1	1		1	l	Ì			1		· ·		l		1		Day	Possible		AR RADIATI	
ł	1		١.	1	1		1				1	ŀ		l		l	1					ved on sur	
L	<u> </u>						L					1				1	1	•			berbengre	UARLE GO BO.	TWL DOWN

227. ESKDALEMUIR: h_s (height of recorder above ground) = 1.5 metres

MARCH, 1935

Hour	3-4	4-5	5-6	6_7	7-8	8-9	9_10	10-11	11_19	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20_21	Total for	Per cent	recei	AR RADIATI wed on sur ular to so	face
L. A. T.																			Day	Possible	Rate near noon†	Sec Z	Sky
Day 1	hr 	hr 	hr 	hr	hr	hr	hr	hr	hr 	hr	hr 	hr •1	hr •2	hr	hr	hr 	hr 	hr 	hr 0•3	% 3	∞/cm²	•••	•••
2 3 4		=				•6			•••	···	•••		•••	::i	•••				6-1	56	:::	•••	•••
5 6		 .		•••	•••	•••	-3	•1	•••	٠6	•7	1.0	•6	•1	•••				3·4 0·1	31		•••	•••
7 8		==		•••	•••	•3	•2	1.0	•6 1•0		•3		•••			==			2•0 4•2	18 38	77 64	2·08 2·05	Clear Z°
9 10		==		:::	•••			ïi	•••	∵i	∵i	:::	•*•		-		==		0·2 0·3	3	•••	•••	•••
11 12 13		 		•2	1.0 1.0	1.0 1.0	1.0	1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0					9•3 10•0 9•8	82 <u>87</u> 85	84 89 80	1.98 1.94 1.93	Clear Clear Z ^O
14 15				•••		•3	-8	1.0	1.0	1.0		1.0	1.0						7•4	64		•••	:::
16 17				•••				-8	•5	•4		·:i							1.7 0.1	14 1		•••	•••
18 19 20					•••		::	•••	•••	 		•••	•••	•••					3.2	27	•••	•••	•••
21 22														 								•••	
23 24			•••	•••	•5	•1 •5	·1 ·7	·2 ··8	•6 ••5	•5	•••			•••	•••				1·4 0·2 3·3	11 2 27	•••	•••	•••
25 26			•••	•1	1.0	1.0	1.0	•9	•5	•6	•6		•8	•••	•1				8•2	66		•••	
27 28 29			•••	•6	i:0	i:0	·9 ·8	1.0	1.0 .6	1.0 .8	1.0	1.0	1.0		•4	•••			8•2 6•9	65 54	81	1.67	Clear
30		==	•••	•••			:::		•••	•••	•••				:::				:::			•••	
31				•••	•••	•••	:	•••	•••	•••	•4		•1	•••	•••	•••			0•5	4	•••	•••	•••
Sum		,20	* ···	1.1	5•7	6.8	9.1	11.7	10-9	10.1	8.8	9-0	7.8	5•3	0-5	•••			86-8				
Mean		<u> </u>	•••	•04	•18	•22	•29	<u>•38</u>	•35	•33	•28	•29	•25	•17	•02	•••			2.80	24	<u> </u>		
228. I	ESKDAI	LEMUIF	R: h	s = 1·	5 met	tres	1	<u> </u>	<u> </u>		,	·	ı							. ·	1 ,	APRIL,	1935
Day 1 2	hr 	hr 	hr	hr •1 •2	hr •1 •7	hr •1 1•0	hr ••8	hr	hr	hr 	hr •1 •4	hr •5 •4	hr •7 •4	hr •5	hr •2 •4	hr	hr 	hr 	hr 2·3 5·3	% 18 41	mw/cm ²	•••	
3 4 5			:::	 1.0	1.0	.9 .8 1.0	1.0 1.0	.3 1.0 1.0	•3 •9 1•0	•7 •5 1•0	#8 1·0	1.0 9	·2 ·7 ·9	• 8	•••				5•0 6•7	38 51	93	1-56	Clear
6			•••	1.0	1.0	1.0	1.0	.9	•7	1.0	-8	•6	•6	1.0	•6	•••			11·1 10·2	<u>84</u> 76	94	1.53	Clear
7 8 9			•••	•••	i	•4	•5 •1	••• •4 •3	•8 •5	··· ·7 ·3	•••	 	-8	•4	•••	•••			4·1 1·6	30 12	• • • • • • • • • • • • • • • • • • • •	•••	
. 11			•••	•••			•9	••	•4	•2	•••	•••	•••	•••	•••	•••			2.6	19		•••	•••
12 13			•2	i.o	i.o	1.0 .1	1.0	.7	•6 •1	.8	•7	-8	•9	1.0	•9	•••			10·6 0·2	77		•••	•••
14 15			•••	:::	:::	:::		• • • •	•••	";i			•5	•5	•••				2•2	16	:::	•••	:::
16 17 18	 		•••	•••				 8 •3	··i	•••	•6	•••			•••	•••			0.9 1.8	 6 13		•••	•••
19 20		•••	•••	•••	1.0	1.0	-8	•5	•3	•2	•8	•7	·i	•2	•••	•••	•••		5•6 0•6	39 4	•••	•••	•••
21 22		•••	•3	1.0	1.0	-9	·8 ·1	•6 •1	·1	•5 •1	•5	1.0	-8	.2					7•7 0•3	53 2		•••	•••
23 24 25		•••	•••	•••	•••	•4	1.0	•••	•4	•5	•5		••5		1.0	··i	•••		5•6	38	:::	•••	•••
26		•••			-5	1.0	1.0	•9	•3		•••	•••				•••	•••		3.7	.25		•••	•••
27 28 29		•••	•••		•••	•••	·:: •:i	•••	•4	• • • 3	·3 ···	1.0	1.0 .1 .5	1.0 .4 .3	1.0	•4	•••		4.7 0.5 2.5	32 3 17		•••	•••
30		•••	•••	•••	•••	•••	•••	•6	•8	•2	•••	•••		•••	•••	•••	•••		1.6	11	•••	•••	•••
Sum		•••	0-5	5-2	7.6	10.0	10-8	9-1	7.7	7•2	7-4	10-2	8.7	7-6	4.7	0.7			97•4				
Mean		•••	•02	•17	-25	•33	<u>•36</u>	•30	•26	•24	•25	•34	-29	•25	-16	•02	•••		3.25	23			
						'													Total	Per cent	Rate near	Sec Z	Sky
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_90	20_91	for	of	L		<u> </u>

229. ESKDALEMUIR: h_s (height of record above ground) = 1.5 metres

MAY, 1935

229.		TIPERO		n _s (r			·		e grot													AR RADIATI	LON
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	perpendic	ular to so	
																			-		Rate near noont	Sec Z	Sky
Day 1 2 3 4	hr 	hr	hr 	hr •1 ···	hr •2 •2 •4	hr -8 1-0	hr .3 1.0	hr •2 •9 •7	hr •6 •7 1•0	hr •3 •1	hr •8 ••2 1•0	hr •7 ••• 1•0	hr •3 ••• 1•0	hr •2 •5	hr 	hr	hr	hr 	hr 3·4 0·7 3·1 10·0	% 22 5 20 65	=w/cm ²	•••	•••
5		••	•7	1.0	1.0	1.0	1.0	1.0	1•0 •6	1.0	1.0	1.0	1.0	•7	·6	•••	•••		12·0 9·1	78 59	44	1.30	FrCu
6 7 8 9 10		•••	•••	.9	•6	1.0 .7 1.0	1.0	1.0 1.0 1.0	1.0 1.0 .2 1.0	1.0 1.0 1.0 .8	1.0	1.0 1.0 .3	1.0 .7 .5	1.0 1.0 .5	1.0 1.0 .5	·8 ·6	•••	 	10.6 10.9 3.6 1.8	68 70 23	91 86 	1.29	Clear Fine Ci
11 12 13 14	 	•2	·4 ·9 ·-4	1·0 ·7 ·2 ·7	1.0 .3 .6 .8	1.0 .9 .7	1.0 1.0 1.0	1.0 1.0 .3	1.0 .9 1.0	1.0 .5 .2 1.0	1.0 .4 	1.0 .4 .2 1.0	1.0 .2 .8 1.0	1.0 .1 	1·0 1·0	•8 ••• 1•0	•3	 	13·2 7·5 4·0 12·8	83 47 25 80		•••	•••
15 16 17 18		·3 ··4	1.0	1.0 *1.0 1.0	-1 -8 1-0 -9	 1.0 1.0	··· 1·0 1·0	.7 1.0 1.0	 1.0 1.0	.9 .4 1.0	1.0	1.0	··· 1·0	·1 ·3 ·6	•••	···	•••		8.6 6.8 11.8	53 42 73		•••	•••
19 20 21	•••	•••	•2	1.0	1.0 1.0	·9 ·7 1·0	1.0	1.0 1.0	.7 1.0	1.0 1.0	1.0	1.0 1.0	1.0 1.0	1·0 1·0	1.0 1.0	•1 1•0	-4	•••	4.7 13.3 12.7	29 81 77	73 92	1·23 1·23	Clear
22 23 24 25	•••	•3 ‡ •1	1.0 ‡ .5	1.0 ‡ .4 	1.0	1.0	1.0	1.0 .7 .1 .5	1.0 .4 .9 1.0	.8 .5 1.0 1.0	1.0 .9 1.0 1.0	.8 .9 1.0 1.0	.6 .9 1.0	.8 1.0 1.0	1.0 1.0 1.0	•8 1•0 1•0	·1 ·4 ·2 ·6	•••	12·3 11·2 8·2 10·6	75 68 50 64		•••	
26 27 28 29 30	•••	•7	1.0	1.0	 •1 1•0 •2	.3 .7 1.0 1.0	1.0 1.0 1.0	1.0 1.0 .1 1.0	1.0 1.0 .5 1.0	1.0 1.0 .8 1.0	1.0 1.0 .9 1.0	1.0 1.0 1.0 1.0	1.0 1.0 .7 1.0	1.0 1.0 .1 1.0	1.0 1.0 .1 1.0	1.0 1.0 1.0 1.0	•5 •5 •5	•••	10·4 11·3 11·4 11·7 6·8	62 68 68 70 4 0	91 91	1.21	Clear
31			•••	•4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•6	•••	13.0	77		•••	
Sum	•••	2.0	8-2	12.9	15•1	20•6	21.1	20-7	22.9	22.6	23.1	22•5	20•9	18•9	16•5	14.5	5-2	•••	267•7				
Mean		•06	•26	•42	•49	•66	•68	-67	•74	•73	<u>•75</u>	.73	•67	•61	•53	•47	-17	•••	8•64	54			
230.	ESKD	ALEMU	IR:	h _s =	1•5 m	etres	5 								· .		r			 	·	JUNE	1935
Day 1 2 3 4 5	hr	hr •4	hr •5	hr 1.0	hr 1.0 .2 .2	hr 1.0 .3	hr 1.0	hr 1.0 .2 .7 	hr 1.0 .3 .9	h 1.0 .2 1.0	hr •8 •9	hr 1.0 	hr 1.0 .7 	hr 1.0 	hr 1.0 .2	hr •8	hr	hr	hr 13.5 1.2 6.1	% 80 7 36	mw/cm ²	•••	•••
6 •7 8 9	•••	•••	1.0	1.0	:: ::0		··· ··1 ···4	·3 ·6 ··4	•5 •9 ••	•5 •6 ••0	··· ·1 1·0	•5 •5 1•0	 .6 .9 1.0	•4 •5 1•0	 •3 1•0	•6			1.6 3.8 2.9 12.1	9 22 17 70		•••	
11 12 13 14	•••	•••	•2	•3	··· ·1 ··1	:1	•2	•7 •5 •2	•5 •1 •8 •6	 •5 1•0 •2	 1.0	•7 •8	•7 •6	•5 •4	1.0 .3	•9			2.2 3.9 7.3 3.1	13 23 42 18		•••	•••
15 16 17 18	•••	•••	•••	•2	·1 ·6 ···	·5	•2	•4	1.0	·3 ·2 ·1	·7 ·2	1.0	.9	·7 ·2 ··2	1.0 .1 .5	1.0 .1 1.0	·6	•••	8·0 4·3 0·3 2·1	46 25 2 12		•••	•••
19 20 21		•••						···	•••	•••			·i	•2	•4	•2		•••	0-1	1 5		•••	•••
22 23 24 25	•••	•••	•••	•••	•1	•5	·8 ·3 ·3 ·7	•7 •4 •8 •5	•4	.9 .2 	·7 ·6 ·9	·3 ·7 ·4	·6 ·7 ·2 ·3	•5 •8 •6 •7	•2 •2 •6 •9	·6 ·2	•3	•••	5.7 5.1 4.9 4.0	33 29 28 23	•••	•••	•••
26 27 28 29 30	•••	-8	1.0	1.0	··· ·2 1·0	···· ··6 1·0	 .9 1.0	1.0	···· ··· 1·0	 .9 1.0	1.0 1.0 1.0	··· •4 1•0 •3	·4 ··· ·4 1·0 ·1	·3 ··· ·1 1·0	•4 •5 1•0 •5	·2 ·2 1·0 ·3	•2	•••	1·3 6·9 15·0 1·3	7 40 87 8	:::	•••	
Sum	•••	1.2	2.7	4.5	5•3	6•0	7-2	10-1	10-4	10.6	9.7	9-3	11.3	10- 0	10-1	8•4	1.5	•••	118•3				<u> </u>
Mean		•04	•09	•15	•18	-20	•24	•34	•35	•35	•32	•31	<u>•38</u>	•33	•34	-28	•05	•••	3.94	23			
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible		Sec Z	Sky ION rface

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

231. ESKDALEMUIR: h_g (height of recorder above ground) = 1.5 metres

JULY, 1935

251.	ESKDA	DEECT.	K: n	3 \	eignt															_			
Hour	3-4	4-5	5-6	6-7	7-8	8-9	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	Per cent	recei	AR RADIATI ved on sur ular to so	face
L. A. T.		-5	0-0	02,															Day	Possible	Rate near noont	Sec Z	Sky
Day 1 2 3 4 5 5	hr	hr -6	hr •5	hr .7	hr .3 .6 .7 .1	hr .9 .9 .2 .1	hr •5 1•0 •5	hr3 .8 .5 .7	hr. .8 .9 1.0	hr •5 •9 •6	hr .8 .6	hr •6 •4 •6	hr •2 •6	hr 1.0	hr	hr 	hr	hr	hr 4.9 7.9 3.5 6.6	\$ 28 46 20 38	mw/cm ²	•••	•••
6 7 8 9 10	•••	•4 ••	1-0 -4 -4	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	.1 1.0 1.0 1.0	1.0 .9 1.0	1.0 1.0	.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	.8 1.0 .9 1.0 1.0	·5 ·2 ·4 ·4	•••	3.5 13.5 13.2 13.8 1.4	20 79 77 81 8	96 65	1·19 1·19	Clear
11 12 13 14 15	•••	.1 	1·0 	.9	.7 1.0 .1	1.0 1.0 .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 	1.0 1.0 1.0 	1.0 .9 1.0 	1.0 .9 1.0	1.0 .5 .9 	1.0 1.0 .4 	·5 ·2 ··	•2	•••	13·2 11·2 9·7 ··· 7·8	78 66 57 46	97 57 	1.20	Clear
16 17 18 19 20	•••	-8 -2	··· ·6 ···	··· ·2 ·8 ·3	•5	 •5 •1	··· ·3 ·2 ·2	 •8 •1 •3	··· ·4 ·3 ·1 ·7	··· ·1 ··6	 .9 .3 	1.0 .1 	1.0	1.0 .7 	•5 •4 •6	··i ···	•••	•••	6.5 5.6 1.2 6.5	39 33 7 39	•••	•••	•••
21 22 23 24 25	•••	•7	1·0 ··· 1·0 ·6	.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	1.0 1.0 1.0 1.0	.8 1.0 1.0	·3 ·4 1·0 ·1	·3 ·3 1·0 ·1	·3 ·1 ·5 1·0	·2 ··· 1·0	1.0 .2 .1 1.0	1·0 ··· ·9	1.0 	•1 ••5	•••	11.5 0.3 7.3 14.8 5.5	69 2 44 90 34		•••	•••
26 27 28 29 30			·1 1·0 1·0	1.0 1.0	1.0 1.0	1.0 1.0	·3 ··· ·4 1·0	1.0 1.0 1.0	.9 .3 .8 1.0	.8 .9 1.0	.9 .1 .9 1.0	1.0 1.0	.2 .3 1.0 1.0	 .8 .7 1.0	 .9 .7 1.0	 .2 .5	•••	 	5.6 0.2 2.9 11.3 14.6	34 1 18 70 91	 97	1:25	Clear
31		1-0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•2	•••		13-2	82	96	1.25	Clear
Sum		3-9	10-0	14-0	14-1	16-0	16-2	18-4	19-1	16.3	15-9	15-2	14.5	16.7	14-8	9-4	2.7	••••	217•2				
Mean	•••	•13	•32	•45	•45	•52	•52	- 59	<u>•62</u>	•53	•51	•49	•46	-54	•48	•30	•09	•••	7•01	42			
1	SSKDAI						h	.	h -	,	h-	h -	hr	hr	hr	hr	hr	hr	hr	8	mw/cm ²	AUGUST,	1935
Day 1 2 3 4 5	hr 	hr	hr •2	hr •3 1•0	hr •9 1•0 •1	hr 1.0 1.0 .8	hr •3 •3 •3	hr •1 •9	hr •4 •7 •9 •5	hr •8 •4 •9 •4	hr •2 1•0 1•0 •2 •1	hr •3 1•0 1•0	1.0	 .8 .8	•3 •9 •7	•1 •1 •8 •2			4·7 9·3 9·1 1·2 0·3	29 59 57 8 2	93	1.26	Clear
6 7 8 9		•2	•5	1.0	•7	•1	.8 .1 .4 .8	.8 .8 .9	·6 ·6 ·7 ·8 ·1	•5 •9 •8 •7 •6	1.0 .9 .9	.9 1.0 1.0 .6	1.0 .5 .9 .8	.9 .4 .9 .7	.9 .1	•8	•••	 	9·9 5·4 6·4 9·5 0·7	63 35 41 61 5	•••	•••	•••
11 12 13 14 15	1 1 1 1	•••	•••	•7 •2	 .5 .9 	.8 1.0	··· 1·0 ·4 ·1	 .9 1.0 .2	 •9 1•0 •5	•5 •9	·6 ·3	·2 ·2	··7 ·3	•5	•4	·:;	•••		7·9 6·8 1·1	52 45 7		•••	•••
[i .	, l		•••	•••	•••	•••	••2	•4	·i	•••		1.1	7		•••	•••
16 17 18 19 20		•••	•••	•••		•••	·i ·i	•3	 :1 	 .2 .1	• 9	 1.0 .1 1.0	1.0		•4								
17 18 19	 	•••	•••	•••		•••	·1 ·:i	•••	 .i	 .2 .1	•9	·2 1·0 ·1	1.0	·2 ··· ·9 ·1	•9	·1 ··· ·2	•••	· 	0.2 0.1 5.2 0.7	7 1 1 35 5		•••	•••
17 18 19 20 21 22 23 24 25 26 27 28 29 30	1111 1111	•••	•••	1.0 1.0	 .8 .3 1.0		.1 .9 .3 1.0 .7 	 .3 .5 .2 1.0	···· ··· ··· ··· ··· ··· ··· ··· ··· ·	 -2 -1 -2 1-0 -8 		.2 1.0 .1 1.0	1.0 6 5	.2 .9 .1 1.0	 .9 1.0 .7 .1	.2 .3			1·1 0·2 0·1 5·2 0·7 4·6 7·8 1·6 5·9 6·1 10·7 5·2 8·1	7 1 1 35 5 31 53 11 41 42 75 37 58			
17 18 19 20 21 22 23 24 25 26 27 28 29 30		:::::::::::::::::::::::::::::::::::::::	··· ··· ··· ··· ··· ··· ··· ··· ··· ··	1.0 1.0 1.0 	 .8 .3 1.0 1.0 	 1.0 1.0 	.1 .9 .3 1.0 .7 1.0 .5 1.0	 .3 .5 .2 1.0 .9 1.0 .7 1.0	 .6 4 .7 1.0 .8 .8	 ·2 ·1 ·2 1·0 ·8 1·0 ·8 	· · · · · · · · · · · · · · · · · · ·	.2 1-0 .1 1-0 .2 1-0 1-0	1.0 .6 .5 	.2 .9 .1 1.0 .5 .4 	 .9 1.0 	·1 ··2 ··3 ··· ··· ··· ··· ···			1·1 0·2 0·1 5·2 0·7 4·6 5·9 6·1 10·7 5·2 8·1	7 1 1 35 5 31 53 11 41 42 75 58 6		1-41	Clear
17 18 19 20 21 22 23 24 25 26 27 28 29 30				1.0 1.0 1.0 	 .8 .3 1.0 1.0	···· ··· ··· ··· ··· 1·0 ··· ··· 1·0 ··· 1·0	.1 .9 .3 1.0 .7 	 .3 .5 .2 1.0 .9 1.0 	···· ··· ··· ··· ··· ··· ··· ··· ··· ·	 ·2 ·1 ·2 1·0 ·8 1·0 ·8 	· · · · · · · · · · · · · · · · · · ·	.2 1-0 .1 1-0 .2 1-0 1-0	1.0 6 5 	.2 .9 .1 1.0 .5 	 .9 1.0 .7 .1 	·1 ··2 ··3 ··. ··. ··.			1·1 0·2 0·1 5·2 0·7 4·6 7·8 1·6 5·9 6·1 10·7 5·2 8·1	7 1 1 35 5 31 53 11 41 42 75 37 58		1-41	Clear

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

233. ESKDALEMUIR: hg (height of recorder above ground) = 1.5 metres

SEPTEMBER, 1935

SOLAR RADIATION
received on surface
perpendicular to solar beam

۱ "	/													15.10	10.10	10.10	30 30	10.00	oo es	Total.	Per cent	recei	AR RADIATI ved on sur ular to so	face
	OUT 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	50-51	for	of Possible	Rate near noont	Sec Z	Sky
D	47	hr	hr	hr	hr	hr	hr	hr	hr	pr	hr	hr	hr	hr	hr ·	hr	hr	hr	hr	hr 0-1	%	mw/cm²		•••
	2			•••] :::		•••		· · · ·		:::			•••	•••	•••	==		1.9	14		•••	•••
	3			:::	•••	7	-6	·1 ·5		•5 •6	·1 ·2	-1	•1	•1 •8	· 8 · 5	•5	•••			5·6 4·4	41 33		•••	•••
}	5								•3	•••	.4	•5	1.0	.7	-8	.3	•••			9-2	68			•••
. .	6 7				• 8	1.0	1.0	1.0	.2	·6 ·4	.9 .8	.7	·9 ·8 ·7	·8 ·7	1.0	•8	•••			8·4 6·8	63 51		•••	•••
1	8			•••		1.0	·1 ·1	·1 ·3	•6	·2 ·1		1.0	•••	•••	·:i	•••			=	0·5 0·1	4	:::		•••
	10			•••		•••		•••	•••			"		•6		•••	•••			2.3	18			•••
[]	11 12									•5 ••8	•5 ••6	•1	i	• • 7	••3	•••	• • •			5.1	39			•••
1	13 14					•2	-4	•4	1.0		2	·1 ·5	·1	·i	•••	•••	•••			1.7 1.1	13 9			•••
	15		-	•••	•••	•••		•1	.1	•4	.4	.1		.2	•••		•••			1.3	10			
1 1	16 17 18			•••		•••			•3		·3 ·1	1.0,	1.0	•4	•1	•••	•••			2·8 1·7	22 14	•••	•••	•••
1 1	19 20			•••			::7	1.0	1-0	1.0	1.0	1.0	1.0	•3	•9	• 3	•••			1·8 8·6	14 69	89	1.69	Clear
ŀ	21													•••		•••	,,,							
1 2	22 23					·:i	•3		1.0	i.o	::;	1.0		•2 •5	•4	•••	•••	==		0·2 7·0	2 57	90	1.75	Clear
1 2	24 25				::4	• • 5	1.0	1.0	1.0	1.0	1.0	1.0	•••		1.0	• • •				0·4 9·2	3 <u>77</u>	:::	:::	•••
	26														•••	•••				:::	• • • • • • • • • • • • • • • • • • • •	•••		•••
1 8	27 28				•••	•••	•2	•1							•••	•••				4.4	37	•••	:::	•••
	29 30				•••		-5	1·0 ·1	1.0	•7	∷;	:7		•••	.9	·i	7 7			3·2 4·5	27 39	90	1.87	Clear
1	1					1000					<u> </u>													
Su	-			•••	2.4	4-4	7-0	8•5	9.1	9-6	10-2	11.5	10.7	8.6	7-7	2.9	•••			92.3				
м	•en				-08	·15	• 23	-28	•30	• 32	•34	<u>•37</u>	-36	. 29	-26	•10	•••			3-08	24			
		<u> </u>	<u> </u>			<u> </u>																		
2	34. E	eskda	LEMUI	R: h	s = 1	•5 me	tres		-									·	· -		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		CTOBER, 1	935
De	y 1	hr	hr	L	l		hr	L-			₹.													l
	_ 1			hr	hr	hr.		hr •7	hr •6	hr.	hr •5	hr.	hr • 5	hr •8	hr •9	hr •1	hr	hr 	br 	hr. 4•9	% 42	mw/cm ²		
	2 3		=			ar 					•5 •3	·8 1·0		·8 ···	1.0					4·9 3·0	4.2 26		•••	• • • • • • • • • • • • • • • • • • • •
-					•••	•••	•••		•6	•••	•5		• • 5		•9	•1				4-9	4.2	:::	•••	•••
	3				•••		•••	·7 ···	·6 ···	•••	•5 •3 1•0 •2	-8 1.0 1.0	·5 ·3 1·0	·8 ·3 ·2 ·2	1.0	·1 ···				4.9 3.0 6.0 0.4 0.5	42 26 53 4	70	2.07	Clear
	3 4 5			=======================================	•••	•••	··· ·8 ··· ·1 ··4	·7 ··· ·8	·6 ·1 ·7 ··	•3	•5 •3 1•0 •2	1.0 1.0	•5 •3 1•0	·8 ·3 ·2 ·2	1.0	•1				4.9 3.0 6.0 0.4 0.5 1.8 3.9	42 26 53 4 16 35	70	2·07 2·05	Clear
	3 4 5 6 7				•••		.8	·7 ·8 ···	·6 ·1 ·7	•3	•5 •3 1•0 •2	-8 1-0 1-0 	·5 ·3 1·0 ···	·8 ·3 ·2 ·2 ·2	·9 1·0 ·2 ···	•1				4.9 3.0 6.0 0.4 0.5 1.8	42 26 53 4 4	70	2.07	Clear
	3 4 5 6 7 8 9 10						 .8 .1 .4 .2 .3	·7 ·8 · ·3 ·2	·6 ·1 ·7 · ·2 ·4 ·4		•5 ·3 1·0 ·2 ·1 ·9 ···	.8 1.0 1.0 	, ·5 ·3 1·0 ·4 ·7 ·1	·8 ·3 ·2 ·2 ·2	·9 1·0 ·2 ·1 ·	•1				4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2	48 26 53 4 16 35 9 11	70	2·07 2·05	Clear
1 1	3 4 5 6 7 8 9 10 11 12 13						··· ·8 ·1 ·2 ·3 ·8 ·8		·6 ·1 ·7 ·. ·2 ·4 ·5 ·8 ·.		 .3 1.0 .2 .1 .9 	.8 1.0 1.0 .2 .4 .6 	, ·53 1·04 .7	·8 ·3 ·2 ·2 ·8 ·6 ···	·9 1·0 ·2 ··· ·1 ··· ···	·1				3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.5	42 26 53 4 16 35 9 11 25 24 5	70	2.07	Clear
1 1	3 4 5 6 7 8 9 10					···· ··2 ··· ··4 ··1 ··3 ··4	··· ·8 ·· ·1 ·2 ·3 ·8 ·8	·7 ·8 · ·3 ·2 ·2	·6 ·1 ·7 ·. ·2 ·4 ·4	• • • • • • • • • • • • • • • • • • • •	•5 ·3 1·0 ·2 ·1 ·9 ·· ·3	.8 1.0 1.0 .2 .4 .6	 .3 1.0 .4 .7	·8 ·3 ·2 ·2 ·2 ·8 ·6 ···	·9 1·0 ·2 ··· ·1 ···	•1				3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2	42 26 53 4 16 35 9 11	70	2-07	Clear
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 5 6 7 8 9 10 11 12 13 14 15						 .8 .1 .4 .2 .3 .8 .8		·6 ·1 ·7 ·2 ·4 ·4 ·5 ·8 ·· ·8	 .3 .5 	 	.8 1.0 1.0 .2 .4 .6 	•5 •3 1•0 •4 •7 •1	·8 ·3 ·2 ·2 ·2 ·8 ·6 ···	•9 1•0 •2 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·	·1				4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.5	42 26 53 4 16 35 9 11 25 24 5	70 87 	2-07	Clear
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18						 .8 .1 .3 .8 .8 		·6 ·1 ·7 ·2 ·4 ·4 ·5 ·8 ···	 .3 .5 .6 .2	 .3 1.0 .2 .1 .9 .1 .1 .1 	.8 1.0 1.0 .2 .4 .6 .2 .1	5 .3 1.0 .4 .7 .1	-8 -3 -2 -2 -8 -6	•9 1•0 •2 •1 •1 ••• ••• ••• ••• ••• ••• •••	-1 			HIII BANCHIII.	4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.5 0.1 3.3	42 26 53 4 16 35 9 11 25 24 5 1	87	2-07	Clear
1 1 1 1 1 1 1 1 1	3 4 5 6 7 8 9 10 11 12 13 14 15								·6 ·1 ·7 ·2 ·4 ·4 ·5 ·8 ·· ·8	······································	 	.8 1.0 1.0 .2 .4 .6 		•8 •3 •2 •2 •8 •6 •••	·9 1·0 ·2 ·1 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	·1				4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.5 0.1	48 26 53 4 16 35 9 11 25 24 5 1	67	2-07	Clear
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 5 5 6 6 7 7 8 9 10 11 12 113 114 115 116 119 220 21							·7 ·· ·8 ·· ·3 ·2 ·2 ·3 ·· ·1 ·· ·2 1·0	·6 ·1 ·7 ·2 ·4 ·4 ·5 ·8 ··· ·8 ···	 	•5 •3 1-0 •2 •1 •9 •1 •1 •1 •6 •8	.8 1.0 1.0 .2 .4 .6 .7 		-8 -3 -2 -2 -8 -6 	-9 1-0 -21	-1			ни висингин	4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 2.7 2.6 0.5 0.1 3.3 	42 26 53 4 16 35 9 11 25 24 5 1 	87	2-07	Clear
	3 4 5 5 6 7 7 8 9 10 112 113 114 115 116 117 118 119 20 21 22 22 22 22 3							·783 .2 .2 .2 .31	.6 .1 .7 .2 .4 .4 .5 .8 	 	*5 *3 1-0 *2 *1 *9 *3 *1 *1 *1 *6 *3 *8	-8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		-8 -3 -2 -2 -2 -8 -61 1-0	·9 1·0 ·2 ·1 ··· ·1 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·	-1				4.9 3.0 6.0 0.4 0.5 1.8 1.0 1.2 2.7 2.6 0.1 3.3 1.8 7.5	42 26 53 4 16 35 9 11 25 24 5 1 	87	2.07	Clear
	3 4 5 5 6 7 8 9 10 111 12 13 14 15 16 17 18 12 12 2 2 2 2 2						 .8 .4 .2 .3 .8 .8 	·7 ·· ·8 ·· ·3 ·2 ·2 ·3 ·· ·1 ·· ·2 1·0	.6 .1 .7 .2 .4 .4 .5 .8 	 	·5 ·3 1-0 ·2 ·1 ·9 ·3 ·1 ·1 ·6 ·3 -8	-8 1.0 1.0 -2 -4 -62 -174 1.0		-8 -3 -2 -2 -8 -61 1-0	·9 ·1·0 ·2 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1					4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.5 0.1 3.3 1.8 7.5 	48 26 53 4 16 35 9 11 25 24 5 1 32 18 74	87	2-07	Clear
	3 4 5 6 7 8 9 10 1112 13 14 15 16 17 18 12 22 23 4 22 5 22 6 6 27							·783 .2 .2 .2 .312 1.0	.6 .1 .7 .2 .4 .4 .5 .8 .7 1.0	 	•5 •3 1-0 •2 •1 •9 •1 •1 •6 •3 •8	-8	•5 •3 1•0 ••• •4 •7 ••1 ••• •2 ••• 1•0	-8 -3 -2 -2 -8 -6	·9 1·0 ·2 ·1 · ·1 · · · · · · · ·					4.9 3.0 6.0 0.4 0.5 1.8 1.0 1.2 2.7 2.6 0.5 0.1 1.8 7.5 1.3 1.1	42 26 53 4 16 35 9 11 25 24 5 1 32 18 74 		2-05	Clear
	3 4 5 6 7 8 9 10 1112 113 114 115 16 117 118 119 22 22 32 22 4 22 5 22 6 7 22 8 22 9						 .8 .4 .2 .3 .8 .8 	.7 .8 .3 .2 .2 .2 .3 	.6 .1 .7 .2 .4 .4 .5 .8 .7 1.0	 	•5 •3 1-0 •2 •1 •9 •1 •1 •1 •6 •3 •8 •6	-8 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0	.5 .3 1.0 .4 .7 .1 	-8 -3 -2 -2 -8 -6 -6	.9 1.0 .2 					4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.65 0.1 1.8 7.5 1.1 1.1 1.1 1.2	42 26 53 4 16 35 9 11 25 24 5 1 32 18 74 11 25 11		2.07 2.05 	Clear
	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 22 22 22 22 23 24 5 26 29 30							·783 .2 .2 .2 .312 1.0	.6 .1 .72 .4 .4 .5 .87 1.027 .1	 	·5 ·3 1·0 ·2 ·1 ·9 ·3 ·1 ·1 ·1 ·6 ·8 ·6	-8 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0		-8 -3 -2 -2 -8 -61 1-0	.9 1-0 .21					4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 2.7 2.6 0.5 0.1 1.3 1.1 1.3 1.1	42 26 53 4 16 35 9 11 25 24 5 1 18 74 11 25 11	 70 87 	2-07	Clear
111111111111111111111111111111111111111	3 4 5 5 6 7 8 9 10 111 213 14 15 16 17 18 19 20 21 22 3 24 22 5 22 6 7 27 8 29 30 31							.783 .2 .2 .2 .312 1.0	.6 .1 .72 .4 .4 .5 .87 1.0	 	•5 •3 1-0 •2 •1 •9 •1 •1 •6 •3 •8 •6 •6 •2 •4	-8 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0	.5 .3 1.0 .7 .1 1.0	-8 -3 -2 -2 -8 -6 -6	.9 1.0 .21					4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 2.7 2.6 0.1 3.3 1.8 7.5 1.1 1.1 1.1	42 26 53 4 16 35 9 11 25 24 5 1 32 18 74 11 25 11		2.07 2.05 	Clear
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 22 22 22 22 23 24 5 26 29 30							·783 .2 .2 .2 .312 1.0	.6 .1 .72 .4 .4 .5 .87 1.027 .1	 	·5 ·3 1·0 ·2 ·1 ·9 ·3 ·1 ·1 ·1 ·6 ·8 ·6	-8 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0		-8 -3 -2 -2 -8 -61 1-0	.9 1-0 .21					4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 2.7 2.6 0.5 0.1 1.3 1.1 1.3 1.1	42 26 53 4 4 16 35 9 11 32 18 74 11 25 11 11		2.07	Clear
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 5 5 6 7 8 9 10 111 122 13 144 15 166 117 188 120 221 225 226 227 228 229 330 31					······································	 .8 .4 .2 .3 .8 .8 .8 	.7 .8 .3 .2 .2 .2 .3 	.6 .1 .7 .2 .4 .4 .5 .8 .7 1.0 .7 .1.0	 	·5 ·3 1-0 ·2 ·1 ·9 ·3 ·1 ·6 ·3 ·8 ·6 ·4 6-4 -21	-8 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0	.5 .3 1.0 .4 .7 .1 1.0 	-8 -3 -2 -2 -8 -6 11-0	-9 1-0 -2 -1	-1				4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.5 0.1 1.3 1.1 1.3 1.1 1.3 1.1 1.3 1.1 1.3 1.1 1.3 1.3	42 26 53 4 16 35 9 11 32 18 74 11 25 11 	70	2.07	Clear
I I I I I I I I I I I I I I I I I I I	3 4 5 5 6 7 8 9 10 11 11 12 13 14 15 16 11 7 18 19 20 21 22 22 23 24 5 26 29 30 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					······································	 .8 .4 .2 .3 .8 .8 .8 	.783 .2 .2 .2 .312 1.0 1.0 6.0 .19	.6 .1 .7 .2 .4 .4 .5 .8 .7 1.0 .7 .1.0	 	·5 ·3 1-0 ·2 ·1 ·9 ·3 ·1 ·1 ·1 ·1 ·6 ·3 ·8 ·6 ·6 ·2 ·4	-8 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0	.5 .3 1.0 .4 .7 .1 1.0 	-8 -3 -2 -2 -8 -6 11-0	-9 1-0 -2 -1	-1				4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.65 0.1 1.8 7.5 1.1 1.3 1.1 1.1 1.1 1.65	42 26 53 4 16 35 9 11 25 24 5 1 32 18 74 11 25 11 44	87	2-07 2-05 2-05	Clear
JI JI JI JI JI JI JI JI JI JI JI JI JI J	3 4 5 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 21 22 22 22 22 22 23 24 5 26 29 30 31					······································	 	.783 .2 .2 .2 .312 1.0 1.0 6.0 .19	.61 .72 .4 .4 .5 .87 1.0	 	·5 ·3 1-0 ·2 ·1 ·9 ·3 ·1 ·6 ·3 ·8 ·6 ·4 6-4 -21	-8 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0	.5 .3 1.0 .4 .7 .1 1.0 	-8 -3 -2 -2 -8 -6 11-0	-9 1-0 -2 -1	-1				4.9 3.0 6.0 0.4 0.5 1.8 3.9 1.0 1.2 2.7 2.6 0.1 3.3 1.8 7.5 1.1 1.3 2.4 1.0 4.1 51.2 1.65	42 26 53 4 16 35 9 11 25 24 5 1 18 74 11 25 11 25 11 44 16	87	2-07 2-05	Clear C

235. ESKDALEMUIR: h_s (height of recorder above ground) = 1.5 metres

NOVEMBER, 1935

Hour	3-4	4-5	5-6	6-7	7-8	8-9	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	Per cent	recei	AR RADIATI ved on sur ular to so	face
L. A. T.			0-0		7-0		0-20	20-22											Day	Possible	Rate near noon†	Sec Z	Sky
Day 1	hr.	hr.	hr.	hr.	hr.	hr.	hr. 1.0	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr. 2•3	% 25	mw/cm ²	•••	
2 3	=			==	•••	•9		•••			::-		•3					==	0.9	10 7	! :::	•••	
4 5		==		=		•6	.7	•••		•:3	•••	:::	:::	:::					0·1 1·6	1 18	:::	•••	
6						*-9	*-7	-4	.2	-6	•7	.7	.1						4.3	48		•••	
7 8						•••	·6 ·2	-8	·7	·7 1·0	·1 ·4	1	∵i		==	==			2·6 3·5	29 40	74	3.14	Clear
9 10	==	==			:::	":i	**8	• 5	•••	·:i	•••		•••	:::		==			1.8	21	•••	•••	•••
111							 .	.2		.1		.2							0•5	6		•••	
12 13						•••	• 2	1.0	1.0	1•0 •6	1.0					==			3·9 2·8	46 33	:::	•••	•••
14 15	==			==		•••				1.0	1.0	•5				==			2.6	31	.72	3-64	Clear
16] 	-1	-1								0-2	2			
17 18	==		==				:::		:::	•••		•6	:::						1.5	18		•••	
19 20	==	==	==	==		:::	.7		:::		•••	•••							0-8	. 10	:::	•••	
21		 '																	<u></u>			•••	
22 23						•••		1.0	i.o	i.o	1.0	1.0							0·1 5·9	1 75 5	:::	•••	
24 25						•••	:::	•••	:::	•5	·1 ···				'				0•4 0•5	5 6	:::	•••	•••
26						•••	•3	-8	1.0	•7	•••								2•8	36		•••	•••
27 28					==	•••		:::	•••		·i	•••	:::						0.3	4	:::	•••	•••
29 30				==			:::		:::	•1	•••	:::	:::						0.4		:::	:::	•••
													ł									i i	
Sun						2.8	6.2	6.3	6.0	8.7	5-6	4.2	0-6						40+4				
Mean						•09	.21	•21	•20	-29	•19	·14	•02						1.35	16			
236.	ESKDA	LEMUI	R: h	l _s = 1	.•5 nae	tres	L	İ					l	<u> </u>		L	l	L		L	D	ECEMBER,	1935
Day	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	mw/cm ²		T T
1 2						••5	•1		1.0	•:3	•3	•••		==					0·1 4·6	1 62	:::	•••	:::
3 4						•••	1.0	1.0	·9 ·7	1.0 .8	•4 •6	·:i] <u></u>					4·3 2·6	58 35	 62	4.63	Fine Ci
5						•••	•8	1.0	1.0	•8	•2	•5							4.3	59	69	4-69	Clear
6 7					==	•••		:::		•••	•••	•••	:::] ==	==		•••	:::	•••	:::
8 9				=		•••	•3	9	,	1.0	·1 ·7	•4	:::						0·1 4·0	1 56	:::	•••	
10	 .					*•1	*1•0	•3	•1	•1	1.0	•7	•••		 ·				3.3	46		•••	•••
11 12					==			9	·3	•••	•••	•••	:::						2.2	31	:::		:::
13 14						•••		:::	:::	•••	•••	•••	:::			==			:::	•••	:::	,	•••
15						•••	•••	•1	1.0	•9	•1	•••							2.1	30	• • • • • • • • • • • • • • • • • • • •	•••	
16 17					 	•••	•5 •5	•9 •8	1.0 .6	1.0	1•0 •2	·6 •4	:::						5•0 2.5	71 36	67	4.58	Clear
18 19						•••	•••	•••	•4	• 2	i.0	•6	:::						2.2	31	:::	•••	
20] ·	•3	•8	.9	1.0	.9	1.0	•4							5•3	76			
21 22						•3	1.0	1.0	1.0	1.0	·2 1·0	·1 ·6	:::						4·1 5·9	59 <u>84</u> 84	67	5.16	Clear
23 24						•••	*1.0	1.0	1.0	1.0	1.0	·6				=	=		5-9	•••	73	5.16	Clear
25						•••	•••	•••	•••	•••	•••	•••	•••						•••	•••		•••	
26 27						•••					•••	•••	:::							•••] :::	•••	:::
28 29						•••				•7	•3		:::						1.4	20			:::
30 31						•••	•••			***	•••	•••							•••	•••		•••	
Sum						1.6	9-8	11.0	12.0	10-6	9-1	5-8				 		 	59-9				
Mean			<u> </u>			-05	•32	•35	-39	-34	•29	-19	-					 	1.93	27			
Ammual Total	•••	7.3	24.0	48-3	64.7	-	116.9	132.6	132.0			116-7	92-1	79-0	56-8	36.3	9-4		1262-8				
Annual Total	.,.	•02	-07	•13	·18	•25	•32	•36	•36	•36	•34	•32	•25	-22	•16	•10	-03		3.46	28			
								=									-		Total	Per cent	Rate near	Sec Z	Sicy
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	for Day	of Possible	noon†	AR RADIATI	
		1 1					1			1	ļ		1	1	1	l l	i	1				ved on sur	
																						ular to so	

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

Ha (height of anemometer above M.S.L.) = Height of ground above 237. ESKDALEMUIR:

,,	1				<u> </u>	_				_	T				Γ,	- 8	8	9		10	10	11	11.	- 19
Hour G. M. T.	0	- 1	1	- 2	2	- 3	3 -	- 4	4	- 5	5	- 6	8 -	7										
Day 1 2 3 4 5	200 270 280 300 310	m/s 3·3 1·7 3·5 13·8 1·9	90 270 270 290 310	m/s 2·3 2·2 4·9 13·5 4·4	200 270 260 310 310	m/s 2·4 3·3 6·1 13·1 5·0	190 270 260 300 320	m/s 2·3 4·4 6·8 14·1 4·4	240 280 260 300 340	m/s 5·9 4·0 5·1 13·8 4·3	240 290 240 300 340	m/s 5·7 10·9 6·1 12·1 4·1	220 300 240 30 30 340	m/s 4·9 10·2 5·0 11·6 6·7	90 260 230 310 330	m/s 2·4 2·3 4·5 12·4 6·9	280 200 310 340	m/s 1·7 1·8 3·3 12·9 4·2	160 220 200 310 140	m/s 0·9 5·7 4·8 10·6 2·5	180 240 220 320 210	m/s 0-7 7-0 5-0 7-7 2-6	290 220 310 170	m/s 0.0 6.8 7.2 7.7 1.4
6 7 8 9 10	10 30 20 350 190	3·1 5·0 1·9 0·1 3·2	350 20 340 210	5.9 3.2 0.9 0.0 6.6	350 40 10 360 210	6.0 2.5 1.3 0.1 6.4	350 30 10 200	6·1 2·4 1·2 0·0 6·3	350 20 360 210	5·4 2·6 2·2 0·0 6·5	360 20 10 350 220	5.0 3.7 0.8 0.1 9.1	10 20 10 210	5.5 3.6 0.8 0.0 8.5	10 20 350 210	5.7 5.3 1.0 0.0 9.0	10 20 10 220	5.5 4.6 1.0 0.0 10.6	20 360 230	6.0 5.1 1.9 0.0 12.4	20 20 20 200 200	7.0 3.7 0.9 0.5 10.9	10 20 40 180 190	6-3 5-2 0-8 0-9 7-2
11 12 13 14 15	190 260 90 280 310	11.8 (8.6) 0.5 3.7 8.3	210 250 170 270 300	12·3 (8·6) 0·5 3·5 4·9	200 280 340 270 240	12·4 (11·0) 0·7 3·4 1·1	200 290 320 270 310	14.7 (15.2) 0.6 2.7 2.7	200 290 310 280 150	13.5 (15.6) 0.8 3.5 1.9	200 290 320 290 60	15.6 (11.4) 1.2 5.9 1.2	210 300 290 290 100	17·3 (11·6) (0·3 5·1 1·2	200 300 280 150	15.0 (14.8) 0.0 6.2 1.8	200 310 290 300	16·1 (15·8) 0·0 6·1 0·2	200 310 290	19•9 13•2 ••• 6•4 0•0	210 300 290	20-0 11-5 0-0 7-5 0-0	200 300 290	18•7 12•6 ••6 0•0
16 17 18 19 20	210 340 30 30 30	5.0 1.8 5.0 3.6 2.1	220 350 30 30 30	5•3 3•2 4•4 3•2 1•8	220 350 20 20 30	5·3 3·3 5·1 2·9 2·3	210 350 30 20 10	5.0 2.9 5.0 3.0 1.7	200 1.0 30 30 20	4.5 2.7 4.5 2.3 2.3	230 350 20 20 20	5.5 1.0 4.2 3.4 2.7	220 330 30 10 10	5.4 0.1 3.7 3.4 1.7	220 350 40 10 70	5·4 0·1 3·1 3·3 1·0	30 10 150	5.2 0.0 3.2 3.4 0.1	30 20 190	4-6 0-0 3-6 2-4 0-5	230 320 30 40	4.0 0.1 3.6 3.0 0.0	230 60 40 30 10	3.2 0.1 3.1 3.2 0.1
21 22 23 24 25	300 180 290 220 260	3·1 0·5 8·5 2·9 13·5	320 360 280 230 270	2•7 1•6 5•9 2•7 13•4	320 10 260 190 270	3.0 1.4 4.8 3.0 10.9	320 120 260 190 270	2•2 0•9 4•9 2•9 12•5	340 150 250 250 280	1.9 0.6 4.3 3.7 12.6	280 130 220 270 280	0·1 0·1 2·7 4·5 11·9	260 260 270	0.0 0.0 4.5 5.1 10.5	180 170 240 250 270	0.5 0.1 3.1 6.8 10.0	150 230 250 270	0-6 0-0 3-7 7-0 10-1	160 220 270 220 280	0-5 0-1 4-8 7-1 9-9	160 160 270 220 280	0·2 0·1 4·4 8·6 7·0	160 140 270 220 280	0·1 0·1 4·3 10·0 9·1
26 27 28 29 30	350 350 110 310 150	17.2 10.7 0.2 0.3 1.7	350 350 30 160 170	14.6 10.5 0.1 0.2 2.8	350 350 320 230	14·1 11·5 0·0 0·3 4·3	340 350 360 220	17.8 11.3 0.0 0.7 4.8	340 350 10 220	17.2 9.9 0.0 2.4 3.2	350 350 360 230	15.5 8.4 0.0 2.8 3.8	350 350 350 190	15.0 9.9 0.0 2.5 2.0	350 350 360 170	13·8 11·4 0·0 2·4 1·6	340 350 360 210	12.7 9.9 0.0 2.3 1.1	340 350 10 230	13·3 8·0 0·0 1·1 3·8	340 350 130 360 180	14.0 8.4 0.2 0.7 2.2	350 170 90 170	14·2 8·5 2·0 0·1 2·5
31	240	0•7	280	2•7	280	2:7	280	2•4	280	3.5	280	6•9	280	7•3	280	9•1	280	10•6	280	11-8	280	10•7	280	10-2
Mean		4.7		4•8		4•8		.5•2		5•2		5-4		5•3		5.1		5•0		5•2		4•9		4-9

258.	ESKDALEMUIR:	H_a	=. 235	metres	+	15	metres
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258. ESK	DALEMU	IR:	Ha =.	235 m	etre	+ 15	meti	es																
Day 1 2 3 4	250 250 300 250	m/s 7·7 12·7 1·2 0·0 3·1	0 260 250 20 360 220	m/s 9·5 12·6 0·4 0·2 2·9	250 260 180 10 230	m/s 9·1 11·5 0·3 1·8 2·5	0 240 270 160 10 280	m/s 10.0 10.3 0.8 1.5 4.2	0 240 280 160 70 280	m/s 9·3 10·1 1·0 0·3 5·0	0 230 280 220 170 270	m/s 9·4 10·0 3·8 0·1 5·2	240 280 210 90 260	m/s 10.0 10.8 3.9 0.1 5.3	240 280 220 30 250	m/s 9•7 12•2 5•0 0•2 5•5	250 280 210 30 260	m/s 10·2 11·7 5·1 0·3 5·8	250 280 230 300 250	m/s 10.8 12.5 5.0 0.1 5.3	6 260 290 230 320 260	m/s 12·4 15·0 4·4 0·1 6·0	270 280 220 160 260	m/s 14·8 12·0 2·7 0·5 4·9
6 7 8 9 10	10 330 350 330 310	7.9 0.2 0.2 0.1 1.7	10 290 10 350 200	7.5 0.1 0.2 0.1 2.3	10 370 300 200	8.5 0.2 0.1 0.0 2.5	10	9.5 0.0 0.0 0.8	20 360 340 160 150	9.8 2.2 0.2 0.2 0.3	20 10 340 140 160	11.3 1.3 0.6 0.1 0.3	20 350 130 150	10.8 0.0 0.2 0.4 1.5	10 360 160	11.9 0.0 0.0 0.2 1.7	10 360 160	9.5 0.0 0.0 0.2 1.0	20 110 140	7.9 0.0 0.0 0.1 1.4	10 220 150	6.7 0.0 0.0 0.1 1.8	20 110 140 210 220	6·3 0·1 0·1 1·1 1·5
11 12 13 14 15	220 220 210 270 240	5.0 13.2 8.6 10.7 9.2	200 210 210 210 220	3.9 14.1 7.8 10.0 10.0	210 220 200 260 220	4.7 13.8 8.2 10.1 10.1	260	4.6 14.9 10.2 10.9 12.3	240 230 230 260 230	3.6 16.8 10.5 10.9 12.7	260 230 230 260 230	2.7 13.8 10.6 10.7 13.3	ļ.	5.0 13.9 10.4 12.5 11.5		3.0 10.7 9.9 12.9 13.2	230 240 220 280 230	3·4 7·6 9·3 11·0 12·3	200 230 230 290 220	3.7 4.9 9.0 12.5 12.7	210 230 230 290 220	5·1 5·4 6·2 14·9 12·3	230 260 240 290 210	6.8 5.9 7.6 15.0 9.7
16 17 18 19 20	230 220 210	6.8 11.6 11.5 17.0 11.4	200 290 230 220 210	6.0 8.8 13.3 15.5 12.4	200 280 240 220 210	4.9 6.4 16.9 15.7 14.4	220 200	7.6 5.4 17.8 17.2 15.7	220 260 240 210 200	11.0 5.8 18.6 17.3 16.5	230 260 230 210 200	11.6 7.2 13.3 17.6 15.9	240 240 220 200 190	12.7 5.2 9.9 18.1 14.8	210 210 210 190	12.2 5.5 10.7 16.8 15.0	230 230 210 210 200	12.6 8.3 10.6 15.1 16.1	220 230 210 220 200 220	12.5 7.7 10.7 13.0 16.0	230	13.5 7.7 13.2 13.3 16.0	220 230 210 260 200	15.5 7.9 13.5 9.0 14.7
21 22 23 24 25		9.6 4.5 0.4 0.2 10.1	210 230 150 300 40	8.9 5.2 0.1 0.2 11.4	220 230 20 30	10.0 4.0 2.9 0.0 12.5	230 220 10 30	8.7 4.8 8.5 0.0 13.7	220 200 10 350 30	9.2 3.3 7.5 0.1 13.4	220 160 10 10 30	8.9 1.6 6.3 0.1 14.8	220 170 10 30 20	9·1 2·7 4·4 0·2 14·9	200 30 10	2.8 1.7 1.2 13.8	210 10 360 20	3·1 2·4 0·7 13·5	220 10 10 20 210	2·4 4·4 1·1 14·7	240 350 360 10	3.8 5.1 1.4 12.1	250 250 360 350 10	3.0 5.0 3.1 13.0
26 27 28	170 160	1•2 5•8 3•0	350 170 170	1•7 6•2 2•3	10 160 160	1.5 6.8 2.2	250 160 160	0•4 7•2 1•4	180 160 100	0·1 9·9 0·4	90 160 150	0-1 9-6 2-8	90 150 150	10.5	150 160	8-8	160	8.2	150 160	10·2 3·4	150 160	10-8	150 160	9-9
Mean		6.2		6-2		6•5		7.1		7•4		7•3		7•2		7•1		6•9		7•0		7•4		7-5
Hour G. M. T.	0 -	1	1 .	- 2	2 .	- 3	3	- 4	4	- 5	5	- 6	6	- 7,	7	- 8	8 -	. 9	9 .	- 10	10	. 11	11 .	12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

JANUARY, 1935

	4. T L																								
12 .	- 13	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 /8	•	m/s	•	m/s	•	m/s	.0	m/s	•	m/s	•	m/s	0.	m/s	۰	m/s	۰	m/s	۰	m/s	. 0	m/s	m/s	
	0.0		0.0		0.0	130	0.1	140	0.8	350	0-2	30	0.2	230	0.4	340	0.1	200	2.2	190	3•7	190	2.7	1.9	1
300	4.9	310	4-4	310	7-3	280	4-8	310	4-6	300	5•3	10	2-9	20	0.8	270	3.8	270	2.4	, 280	2.1	280	1.9	4.4	2
230	8-0	230	7-4	240	5•8	220	7-0	230	8-0	240	11.4	250	9-0	280	9-1	290	11.6	290	13.1	290	11.9	290	12.6	7•4	3
310	9.2	320	10-2	320	8-4	320	8.9	320	8.7	320	7•5	290	4.9	330	1.0	300	3.1	250	3•7	310	3.8	340	1.3	8.3	4
60	1.0	10	1•4	360	2.0	320	1.2	170	0.6	10	0•5	20	0.7	10	1.4	10	1.8	350	3.8	20	1.5	360	3-6	2•3	5
10	7-1	360	6-2	360	5•4	360	5-7	350	5•0	10	5-1	360	3•7	10	5•0	10	4.5	10	5•0	20	4-8	20	5.1	5•4	6
30	4-2	.40	3-3	50	3-1	40	3•3	40	2.5	30	1.8	40	2-9	50	2-7	40	3.0	50	2-6	360	0.7	30	0-8	3•2	7
350	0-5	190	1.2	220	1-0		0.0	320	0.1		0.0	350	0-2	340	0.1	340	0.1	340	0.3	340	0.3	360	0.2	<u>0.8</u>	8
170	1.8	200	2.5	210	2.2	200	0-4	210	0.8	1,90	0-6	210	0•5	160	0.6	190	1.7	190	3•2	180	0-7	190	2.4	0.8	9
200	8•3	210	9•4	220.	10-3	220	11.0	220	11.3	220	10-1	220	11.0	,210	11.3	210	10•6	200	9-9	200	11.8	190	11.3	8-3	10
230	16-0	240	11-3	230	6.7	230	10.0	220	10.5	240	10-1	260	9-3	270	9•6	250	9•3	250	7-4	250	8-7	260		12.8	11
300	9.3	270	1.8	290	3.5	300	8-3	40	2.4	200	1.2	40	0.5	120	0-5	150	0-4	160	2.1	20 0	.1•4	310	1.1	7•6	12
• • •	•••	190	0.9	190	2.5	200	2.2	210	2.7	210	3.6	200	3.1	230	3.3	220	4.6	280	2.8	220	0.8	260	2.5	1•ā	13
290	6.4	30 0	7.2	300	7-3	300	7.7	300	5.0	300	3.8	300	1.4	140	1.5	240	1.5	330	1.3	300	7.8	350	5.1	4•9	14
110	0.1		0.0	170	0.1	160	1.8	180	2.3	210	1.5	240	0.7	260	0.2	210	0.1	220	3•2	220	5•0	220	4.4	1.8	15
200	2-8	210	3-8	230	4.5	210	2.3	220	2.3	150	0.5	260	0.1	110	0-2	230	0.2	260	0.1	330	1.0	330	0.9	3•2	16
. 20	3-2	20	2-4	20	2.4	20	2.7	20	2.9	20	3-7	20	3.7	10	3.2	20	4-8	20	4.9	20	5-1	20	4.8	2.5	17
50	2.8	40	3.2	30	3.0	40	3-8	30	3.7	40	3-5	40	4.3	20	3-9	10	3.4	30	3-6	30	3.7	30	3.6	3-8	18
40	3.0	60	3.2	50	2.6	50	3.1	50	3.1	50	1.7	50	2.2	50	1.5	60	0.7	40	1.4	40	1.8	20	2.4	2.7	19
180	0.1	140	0.1	150	0.3		0.0	360	0.7	360	ō•i	350	1.2	350	2.3	360	1.5	10	0.2	10	0•3	360	0•7	1.0	20
170	0.2	160	0•5	300	1.3	300	1.2	240	1.0	180	0•3	350	0-2	20	0.1	190	0.1		0.0	360	0.1	230	0.1	0-3	21
30	0-2	290	3-9	300	4-8	290	4.9	290	5.0	290	4.7	290	3-7	290	5.2	290	6-7	290	9-0	300	6.0	290	7-2	2.8	22
290	6.9	300	8-0	300	12-2	290	13-6	300	13-4	310	13.7	300	12-2	290	9.8	280	7-9	340	2-3	130	3.3	270	3-6	6 • 8	23
220	8.2	220	5-8	240	7.7	250	8-9	250	10.0	220	9-3	230	12.6	250	14.8	250	16.9	250	15.0		14.4		13.4	8.4	24
	10.0		11.4	270	9-6	260	5-8	270	7.2	290	10.3	310	12-9	300	9-8	290	11.2	300	14.0		15.0			11-1	25
200		~.0	-			200	0.0	2.10	' ~	200	10-5	310	1	300	3.0	~~~	~	000			٠.				
340	12•5	340	11-1	340	10-6	350	9-7	340	9•9	350	9•9	340	10-9	340	11.2	340	10.2	340	10-5	340	10.5	350		12-8	26
350	9-7	350	8-6	350	6•3	350	5-0	350	5-0	.10	4•4	10	6 • 2	10	6-8	360	4.7	360	5•3	30	1.5	100	0-8	7-6	27
170	3•1	190	3•3	200	3•3	200	3-3	190	3.4	190	2•7	200	2-0	170	1.9	150	0.3	80	0.2		0.0	310	0.1	1.1	28
150	0.1	50	0-1	270	0-5	280	0-1	80	0.1	350	0.2	140	0-1	140	0.1	150	0.5	160	0.2	140	0.7	150	0.7	0.8	29
170	4-6	180	5•7	280	6•7	290	5-2	310	3•5	190	1-7	280	1.8	220	1.7	190	1.0	170	2•5	170	1.6	160	0.9	2.9	30
280	9•1	280	11.1	280	10-7	280	12•3	280	14•0	280	4 م14	280	12•2	280	12-2	280	8-8	280	8•2	270	9•6	270	7•0	8•7	31
	5•0		4.8		4.9		5•0		4.9		4•6		4•4		4.3.		4-4		4.6		4.5		4.5	-4-9	
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				m/s	0	m/s	0	mi∕s	• 0	ma√s	0	m/s	,0	m/s	0	m ∕s	0	m/s	0	m/s	0.50	m/s 1.2∙7	o 250	m/s 11•5	na√s 1.2•6	1 1
21 28				.4•9 .3•5		11·8	270 290	16·3 13·0	260 290	16·8 12·0	250 290	15•6 10• 5	250 3 00	15•2 10•0	250 290	15•0 9•1	250 290	14•7 10•0	250 300	12·9 9·7	250 3 0 0	6.2	70	1.1	10.8	Ž
23				0•3	50	0.3	180	0.1	190	0.4	220	0.3	230	0.4	250	1.4	170	0.2	180	0.3	230	0.3	360	0.1	1.6	3
18				4.2	230	4.9	210	4.0	210	3.7	250	3•3	280	3•4	290	4.3	280	3.3	280	3.1	280	3.0	270 10	3•7 6•2	2•1 3•1	5
23	0 1.7	7 14	80	1.0	140	0.4	180	1.0	170	2.3	160	2•6	130	2.0	210	0-7	200	0.5	280	0.1	360	0.1	10	0-2	3-1	
1 2	0 6-3	3 3	30	6•0	40	5•7	20	5-0	10	3•7	10	3.6	350	3•3	350	2-7		•••	140	0.1	200	0.1	50	0.2	6-0	6
26	0 1•5	5 28	BO .	2•8	290	2.3	300	1.7	290	1.1	360	0.7	60	0.2	220	0.1	330	0.5	210	0.3	270	0.1	360	0.1	0.7	7 8
15				0•9 4•7	170	1•2 5•0	170 190	1.7 5.5	160 200	0•4 5•0	160 210	0·1 4·2	200	2.2	190	0.0	40 140	0•1 1•2	40 70	0.1	90	1.0	320 290	4.9	0·3 1·7	9
23 27				1.0	190 190	0.8	190	2.4	190	2.5	230	3.3	240	4.6	230	5-3	240	7.7	230	7.8	220	5.1	220	4.9	2.7	10
			1										i '										07.0	14-2	7.7	п
26 25				9•0 6•1	210 230	6•8 3•3	210 250	8•3 3•2	200 260	10·0 3·0	200 240	9.7	210 220	12·1 2·6	210 210	12.2	210 200	13•9 0•6	210 190	13•2 1•5	210 180	14.0	210 190	14:6 4:3	7•3	12
24				5•5	230	4.0	240	5.0	220	4.3	200	2.7	190	2.1	180	2.7	210	3.3	240	7-9	230	9-1	240	8•3	7•1	13
29	0 13-6	28	30 1	ı̂•3	280	10-4	280	9•5	280	6•5	270	6.0	260	7•5	250	6•4	250	5-0	240	6.0	240	7.9	250	9•6	LO-1 LO-2	14 15
21	0 7-9	21	ro	7•1	220	7•5	.210	6.7	220	8-0	250	9•8	250	10.9	270	11-4	260	11.7	270	8•0	280	8•7	270	8-0	10-2	1.5
23	0 13-8	3 24	40 L	3•7	240	12.7	250	11.8	260	10-0	260	11•3	270	9-4	300	13-0	310	17-0	300	16.7	3 0 0	13•7		14•1	11.8	16
24	0 9-8	23	30	8•1	230	6.7	240	7•5	230	9•2	220	7•8	220	6•7	220	8•5	210	8.0	220	7.6	230	9.1	230 220	9•7 17•2	7•8 14•5	17 . 18
22 28				3•8 3•4	210 290	13·9 2·2	210 20	15•1 0•3	210 80	15•1 2•3	220 20	16·5 2·4	220 30	17•2 0•5	220 40	16.9	210 150	16·1 0·3	210 160	16·5 2·1	220 180	3.7	200	9.4	8.0	19
20				0.5		10.1		10.0	200	9.7	200	8.5	210	9-4	200	7.6	200	9.3	210	10-1	200	10.8	200	8-7	£2•3	20
1.		1	.					L I										۵,		0.0	940	5.0	230	5-1	9•5	21
24 25				4•0 8•5	240 270	13·6 6·8	240 270	11·3 7·1	240 260	10·0 5·7	230 260	7.9 5.3	220 250	8•3 6•6	220 240	6.5 5.1	230 240	7.1	240 250	6.6 3.2	240 180	0.3	250	1.4	4.2	22
ĩ				3.9	20	3.0	20	2.3	340	1.0	330	1.2	330	1.0	340	0.2	350	0.1	350	0•3	340	0.5	360	0.1	8:8	23
35				4.0	20	1.2	10	0.9	350	3.8	60	3•4	50	5.0	50	5•9	40	6.5	50	6•8 5•4	50 10	7·2 3·2	40 360	9∙3	2•7 10•0	24 25
1	0 10-8	' ¹	ro br	.0•6	10	9.2	10	7.1	10	6.6	10	5•8	360	5•6	350	7•3	350	7.2	3 6 0	3.4	10	3.2	300			~~
22	0 10-1	23	30	8•7	220	10.6	210	9-4	200	5-1	200	6.2	190	5•3	190	3.3	170	3-7	18C	3.5	190	3•5	190	3.0	4-0	26
15				8-1	150	6.5	150	5.1	140	3•5	130	8.0	140	3.1	140	2.6	150	2.2	140	2.3	150	3.1	160 330	3.4	6•4 2•3	27 28
1.5	0 3•8	1.5	50	3•8	140	3.9	140	2.5	120	2.2	130	2.8	180	0.5	80	0-1	10	0.4	20	0-2		0.0	330	• •	~ "	
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	- 7-3	,		7•1		6•5		6-2		5-9		5•6		5•5		5-4		5•6	Ī	5•4		5-2		5-8	6•5	
L						<u> </u>	.	L				<u> </u>	<u> </u>	1		L		<u> </u>			<u> </u>	1	 	L		
1	2 - 13	1 1	L3 - 1	1.4	14 -	15	15 -	16	16 -	. 17	17 -	. 18	18 .	19	19 -	- 20	20 -	21	21 .	. 22	22 .	- 23	23 -	. 24	Meen	Day
L																	L				L		<u> </u>			لبسيا

239. ESKDALEMUIR:

Ha (height of anemometer above M.S.L.) = Height of ground above

Hour G. M. T.	0	- 1	1	- 2	2	- 3	3	- 4	4	- 5	5	- 6	в	- 7	7	- 8	8	- 9	9 -	- 10	10	- 11	11	- 12
Day 1 2 3 4 5	330 50 160 320 250	m/s 0.3 2.6 3.1 0.7	50 180 290 240	m/s 0.0 1.4 2.0 5.2 5.2	60 180 290 230	m/s 0.0 2.1 1.9 5.0	40 190 280 230	m/s 0.0 1.2 1.2 1.9 3.8	0 180 170 150 240 230	m/s 0·1 0·2 0·8 0·3 4·4	180 10 160 270 240	m/s 0·3 0·4 1·4 0·4 4·9	180 20 160 210 250	m/s 0•4 0•9 3•6 1•7 5•0	170 20 160 230 240	m/s 1.0 0.8 3.8 2.1 6.5	0 160 20 150 260 240	m/s 1.4 1.6 3.3 2.6 7.8	160 50 150 270 240	m/s 2.5 1.7 4.3 2.5 8.2	160 60 150 270 240	m/s 3.0 2.4 5.3 1.8 8.0	50 80 180 260 250	m/s 2•7 1•6 4•9 3•5 6•7
6 7 8 9 10	210 350 350 100 60	0.5 0.1 0.6 4.8 7.3	150 340 360 100 70	0.5 0.1 1.0 4.4 8.5	150 350 100 60	1.2 0.0 1.7 4.6 7.6	160 350 100 50	0.5 0.0 0.8 4.4 7.3	10 350 100 60	0·1 0·0 0·5 3·5 7·8	340 80 60	0.0 0.0 1.0 3.7 8.7	350 360 60 50	0.2 0.0 1.1 2.6 10.2	170 10 80 60	0.2 0.0 0.8 4.8 9.6	150 10 100 60	0·3 0·0 0·1 6·2 9·2	30 90 50	1•3 0•0 0•6 7•6 9•4	190 160 90 90 60	4.0 1.1 2.2 7.5 10.5	180 170 130 90 60	2.7 1.8 4.0 6.5 10.3
11 12 13 14 15	60 20 50 10 60	6·4 4·0 2·6 4·3 2·3	40 20 70 10 50	2.8 3.6 3.7 4.9 2.0	50 100 70 10 40	8·4 2·3 2·1 4·6 1·7	70 360 70 30 50	10.0 1.8 2.5 4.1 2.7	70 10 70 30 60	10.2 4.2 2.5 3.7 1.6	70 20 40 40 30	8.8 5.0 2.3 4.0 0.4	70 10 40 40 360	8·3 4·7 2·2 4·3 0·8	60 360 50 30 10	10·5 2·3 2·3 5·0 0·3	60 20 50 40 360	10.9 2.5 4.9 4.8 0.2	70 50 60 40 30	8·4 5·0 6·0 4·6 0·1	70 60 60 30 170	10·7 3·9 6·6 5·6 1·5	70 50 70 50 180	9.5 4.3 5.5 6.1 2.3
16 17 18 19 20	360 360 340 190 200	1.3 2.0 0.1 5.7 4.4	360 360 350 200 210	0.5 1.9 0.2 6.9 7.3	360 360 210 210	1.3 2.4 0.0 7.5 6.8	360 10 190 210 210	2•3 2•9 0•1 6•4 9•3	360 10 230 220 210	2.0 1.8 0.2 6.6 8.2	10 10 180 210 210	2.0 2.1 0.4 5.8 7.5	360 10 190 200 220	3.6 2.0 0.3 5.0 7.8	10 10 200 210 240	2·1 3·2 0·2 5·3 6·4	20 20 190 210 240	1.6 3.1 0.5 6.0 6.4	20 30 180 220 240	1.8 1.9 2.7 5.0 5.8	40 40 200 220 250	2.2 2.4 5.5 4.2 6.3	60 30 210 220 250	2.2 1.6 7.8 3.4 6.9
21 22 23 24 25	180 200 230 270 220	2.2 5.6 10.8 6.1 7.3	190 200 230 280 220	1.2 7.0 8.3 6.2 7.2	220 210 230 300 230	3•4 7•7 9•0 7•0 6•8	230 210 250 300 210	4.6 7.1 8.2 6.7 6.0	230 230 260 300 200	5.7 5.5 10.3 9.3 5.2	230 220 260 300 210	3.8 5.1 10.1 9.1 5.0	220 220 260 310 220	4•9 7•5 9•9 5•8 6•8	220 210 260 300 210	5.5 7.2 8.6 5.0 7.7	210 220 260 280 200	5•9 7•0 8•0 4•5 7•1	210 230 260 280 200	6.0 9.2 9.6 6.9 8.7	220 220 260 260 220	6.6 9.4 9.4 6.6 14.1	210 200 250 260 230	5.8 10.6 7.9 5.0 15.2
26 27 28 29 30	270 280 140 310 210	15·1 7·3 0·3 6·2 5·6	270 270 100 330 210	12.8 6.3 0.2 3.7 4.8	270 280 240 100 230	14·4 6·0 0·4 1·5 5·4	270 280 360 170 240	14.2 7.5 0.2 0.8 5.8	270 280 280 200 250	15.0 2.6 0.1 2.3 6.0	270 290 360 300 250	14-8 2-8 0-1 3-0 6-3	270 300 280 60 250	13.9 5.4 0.3 0.8 5.6	270 290 90 180 240	15.0 6.7 0.1 0.6 5.2	270 290 120 20 270	15.7 1.7 0.2 1.8 7.6	260 290 170 50 260	14•2 2•9 1•0 6•0 3•9	260 290 280 50 270	13•3 6•4 2•9 6•5 5•5	260 310 270 50 260	12·8 7·1 4·2 4·3 5·0
31. Mean	190	4-6	200	4.5	190	3·8 4·2	220	4.1	240	7•4 4•1	210	4•8	230	4.2	220	4•4	220	4.5	230	5.0	240	5-9	250	8•6 5•8

240.	ESKDALEMUIR:	Ha	=	235	metres	+	15	metres	
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Day 1 2 3 4 5	280 350 10 290 310	m/s 5·2 8·1 6·9 8·0 10·5	270 350 350 310 310	m/s 7•2 9•5 7•5 6•7	280 350 350 310 320	m/s 6•4 9•6 8•0 6•2	280 350 360 310 310	m/s 6·8 9·5 8·8 6·0 7·3	280 350 360 310 310	m/s 7·3 7·9 8·2 9·5 8·5	280 350 360 360 300	m/s 6.6 8.6 6.9 6.2	290 360 360 10 300	m/s 5•4 8•2 5•8 4•5 9•5	280 360 360 350 320	m/s 5·1 8·3 7·7 5·2 11·8	290 10 10 340 330	m/s 9·8 10·3 7·8 6·6 13·3	290 10 10 320 330	m/s 11.5 10.7 7.2 7.0 12.8	290 360 360 330 350	m/s 9·8 7·7 7·8 8·9 13·5	300 360 350 310 340	m/s 5·3 7·2 6·7 8·8 11·4
6 7 8 9 10	300 360 210 60 160	10.7 3.1 6.5 3.0 5.2	310 . 360 210 40 160	7•8 3•1 5•1 2•6 6•7	320 360 220 80 190	5.6 3.2 5.9 3.8 10.9	320 10 210 100 190	3.9 2.4 6.4 5.7 12.0	320 360 230 90 190	5.8 2.7 5.1 3.8 15.0	310 350 270 70 200	8•4 2•8 4•3 1•2 18•9	300 360 280 220 200	8.0 2.2 2.5 0.5 16.7	320 30 280 210 200	7•4 2•2 2•8 2•9 17•2	330 50 270 210 200	8•7 3•3 4•2 5•2 18•4	330 100 290 220 200	7-8 4-4 4-0 8-9 18-3	350 100 300 260 200	5•3 5•0 4•7 6•5 18•1	340 110 290 240 200	4.9 5.5 4.0 6.4 18.2
11 12 13 14 15	230 290 350 120 360	16 · 2 5 · 0 0 · 7 3 · 0 1 · 6	240 310 350 120 360	13.7 7.3 0.8 3.4 0.9	240 300 340 110 360	10·1 8·4 0·8 2·9 1·1	250 50 340 80 10	9•9 2•1 1•3 2•4 0•5	260 320 330 70 350	11.0 3.2 0.7 3.5 0.2	250 360 350 90	9•8 1•5 0•8 5•0 0•0	230 350 360 100 320	8.0 3.3 1.9 4.4 0.1	250 350 360 90 180	11.3 1.2 1.8 4.8 0.2	250 10 10 100 160	11.0 2.5 0.4 4.7 1.9	250 20 100 110 160	12.8 2.8 1.3 5.5 3.6	250 40 160 110 190	13.0 2.9 1.4 5.6 5.8	250 20 150 120 200	15.0 1.8 2.7 5.3 7.3
16 17 18 19 20	360 240 10 150 20	0·1 7·1 3·8 0·5 0·5	230 360 300 300	0.0 7.2 3.0 0.7 0.6	80 230 10 30 50	0·1 7·2 2·5 2·5 0·9	40 230 10 40 40	0•4 7•3 3•2 3•8 0•7	40 230 10 40 20	0 • 4 6 • 5 2 • 8 4 • 8 0 • 6	70 220 10 20 10	1.3 5.8 1.8 2.5 1.2	30 220 10 30 20	0-6. 7-1 1-3 3-2 0-5	10 210 10 40 30	1•2 6•3 3•0 4•4 0•9	30 230 20 50 110	1.7 5.4 4.3 5.2 2.2	20 220 40 60 120	2 • 2 2 • 4 3 • 4 4 • 2 3 • 7	30 210 40 70 150	1.7 2.7 4.5 2.1 2.2	360 250 50 70 150	1.0 2.8 3.9 1.3 4.0
21 22 23 24 25	110 340 10 30 350	3·1 1·2 1·0 0·6 1·4	80 350 360 360 340	0.7 1.7 0.8 0.8 2.2	10 10 340 30 350	1.2 1.9 0.3 1.1 1.7	30 10 20 80	0-7 1-4 0-0 0-2 0-8	40 10 360 110	0.3 2.5 0.0 1.7 0.3	100 10 360 180	0•1 3•0 0•0 0•7 0•9	1604 10 300 30 10	1•4 2•5 0•1 1•8 4•6	150 30 40 10	4.0 2.2 0.0 1.7 5.1	150 40 10 80 20	5.0 2.5 0.1 0.7 5.7	140 80 20 50 20	5.8 3.4 1.6 0.6 6.1	140 70 40 120 30	7.5 4.2 1.7 0.8 6.5	150 60 30 100 30	7·2 4·1 4·7 0·2 6·3
26 27 28 29 30	10 20 310 160	3.0 5.0 0.6 0.2 0.0	30 330 160	3.5 2.9 0.1 0.7 0.0	10 30 170	5•3 3•5 0•0 0•8 0•0	20 30 190	6•1 3•8 0•0 1•1 0•0	20 30 50 200 340	5•7 3•2 0•1 1•4 0•2	20 30 200 320	6.4 4.1 0.0 1.2 0.2	200 200 10	6.8 3.9 0.0 0.8 0.1	20 20 240 90	6.9 3.1 0.0 2.0 0.1	20 30 150 230 100	6•7 2•7 0•4 3•5 0•4	40 40 190 250 100	6.0 2.7 1.2 2.9 0.3	30 40 190 210 110	5.9 3.0 1.9 3.4 0.8	50 40 200 180 130	6.7 2.5 2.5 3.0 1.2
Mean		4.1		3•8		3•3		3•8		4.1		4.0		3•9		4•4		5•1		5•5		5•5		5•4
Hour G. M. T.	0 -	- 1	1 -	- 2	2 -	- 3	3 -	- 4	4	- 5	5 -	- 6	6	- 7	. 7	- 8	8	- 9	9 .	- 10	. 10	- 11	11	- 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + ha (height of anemometer above ground) = 235 metres + 15 metres

MARCH, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	22	22 .	- 23	R 3	- 24	Meen	Da;
•	m √s	•	m/s	•	m√s	•	m/s	•	m ∕s	0	m/s	0	m/s	•	m/s	•	m/s	•	ma√s	0	m/s	30	m/s	W/s	
150	3.0	150	4.0	130	2.9	80	4.5	100	3·3 2·7	100	3.1	70	3.1	70	0.5	30 190	0.9	40	1.7	170	2.1	150	2.0	1.8	
50 160	0·1 5·6	150	2.0	160 170	2•3 5•5	160 190	7.2	160 220	6.5	170 290	11.2	170 300	11.4	330	6-8	320	6.7	300	5.5	300	5.2	320	4.3	4.9	l
240	4.8	160 220	5.3	220	5.1	190	5-8	190	6.3	190	5.0	210	5.0	180	2-8	180	3.7	200	7.2	210	11.0	210	10.2	4.2	
290	7.3	280	6.1	280	6.7	270	7•3	290	5.5	280	4.9	290	3•3	220	1.4	220	3.1	270	2.5	270	0.7	250	0.1	5•0	
190	2.9	200	3.5	210	3-8	210	3•3	260	1.6	130	0.2	200	2.1	210	0.3	140	0.6	160	1.3	180	0.3	200	0.1	1.3	
170	2.0	210	1.5	210	2.1	180	1.2	160	8•0		0.0	320	0.2	320	0.2	330	0.3	360	0.5	340	0.1	340	0.5	0.5	
130	5•5	130	5•6	120	4.8	100	4.3	100	4.5	100	4.9	100	4.7	110	5•4	100	6.1	110	5.0	100	3.5	100	5.0	3-1	l
90	7•5	70	7•9	80	8.2	60	7-7	60	7•9	50	7.0	60	7.5	40	4.9	50	5.4	40	4.8	60	5-9	70	6.2	5•9	l,
60	10-8	70	10.8	60	10-1	70	10-8	70	9•2	80	9-0	70	9-8	60	9•2	60	9-1	60	9•8	50	9•8	60	8.9	9•3] 1
70	10-0	. 80	11.2	70	10-0	70	9-5	70	7-9	50	4.2	20	3•3	360	3.5	80	4.5	10	4.0	10	3•4	10	3•3	7•5] 1
60	4.3	70	5-2	80	4-9	90	4-4	90	4•4	70	5•3	20	1.0	30	2•3	50	1.2	50	3.0	40	2.8	40	2.6	3•5	1 3
60	4-3	70	5-0	80	5-2	80	4-7	80	4-4	40	1.8	40	1.9	30	3.2	30	3.8	20	4.3	10	3•5	10	3•7	3.7	
40	5-8	40	6.0	30	6.4	40	6-9	30	7•6	40	5-8	50	5.0	40	4.2	30	3.7	60	2.9	50	2.3	50	2.6	4.8 1.1	
190	3-2	190	2•5	200	1.9	200	0.1		0.0	340	0-3	320	1.4	350	0.1	360	0.1	340	0.1	360	0•5	350	1.1	1.1	1
60	2-0	150	3-7	140	3.2	120	3-1	120	2.0	80	0-7	- 30	1.2	20	0-8	10	1.6	360	1.8	10	1.3	20	0-6	1.9	1
40	1.3	80	1.7	110	0.2	150	0-9	150	1.1	80	0-9	40	0-5	40	0.6	150	0.1	40	0.7	40	0.3	40	0.3	1.5	1
200	8-9	210	8-4	210	8-7	210	6-8	220	4-1	220	3•5	230	2.5	200	3-1	210	3.5	200	2.2	170	3•5	170	2-4	3.1	ן ו
180	3-6	170	4.9	180	6.6	190	6.7	230	7-7	230	6.7	230	6.3	230	3.7	200	3.0	210	3.0	210	2-8	190	0.6	5.1	
250	6•8	260	5•3	260	6•4	260	6-5	260	5•5	270	6-0	260	3•7	220	2-4	1.80	1.2	230	2•2	210	4.0	220	3.2	5•7	l '
210	6-4	210	6.2	220	6-4	210	7-1	200	6-9	200	5-9	200	5-6	210	7-4	210	5-7	210	6.6	210	6-7	210	5-6	5•5	[8
200	11.6	200	13.0	210	12.7	210	12.5	210	10-8	210	9.9	220	9-4	220	9•0	220	9-6	220	8-7	210	8-5	220	9-2	8-9	8
250	7•3	230	7-7	220	5•7	220	4-2	230	2-7	260	2.3	260	2.6	260	4-2	260	3-9	240	4-8	240	5-9	240	4.3	6-9	1 5
260	5•0	260	4.9	260	4.9	250	6.0	240	5•8	220	5•9	230	8.7	220	5•9	200	5.2	200	5.4	220	6.7	210	5.0	6.1	
240	15•5	240	15.5	240	15-4	240	15•8	240	14.9	230	12.6	260	10.8	260	12•7	270	13-0	270	12-7	270	15.1	270	14.7	11.1	°
260	10•8	260	12.0	260	12-8	270	13-4	270	13•1	260	11.7	270	10.0	270	10-1	260	11.8	270	11.9	280	9-4	280	9.0	12-8	1 3
300	6.0	300	6.7	290	5•8	290	5.0	290	5•5	300	5-0	300	4.0	270	1.8	180	0.6	190	0.6	70	0.7	190	0.4	2-3	1 2
280	4.0	280	5•3	290	5-4	290	5-1	260	6-4	290	3.1	310	4.3	270	2.1	90	1.1	220	1.5 0.1	290 170	2.6	300 190	5.5 1.2	2.3	
60 260	3.3	80	2.9	100	1.3	170	2.3	170	1.9	170	0.5	190	0.3	200 240	1.4	200 240	2.0	220 230	3.1	220	4.0	200	4.7	5.1	1 3
200	6•3	260	7-2	260	6.6	250	5•1	250	3•7	220	3.2	240	4.7	240	4-2	240	3-1	الدي	3-1	250	3-0	~~~		-	
260	7•3	270	7•0	280	7•5	280	8-0	280	6-7	290	7•3	270	3-1	290	7•5	300	8•4	290	7•5	300	9•9	290	5-8	6•6	
		<u> </u>						ļ				<u> </u>		-											H
	5-9		6.3		6.1		6.1		5•5		4-8		4.4		3.9		4.0		4.0		4.3		4.0	4.7	ı

																						A	PRIL,	1935	
310 360 350 310 290	m/s 5·9 7·0 6·9 8·9 11·9	320 10 340 330 300	m/s 6.5 8.4 6.5 7.3 12.0	9 330 350 320 340 310	m/s 8•3 9•2 6•0 10•0	9 350 350 300 320 290	m/s 9.6 7.8 6.6 9.5	350 360 290 320 300	m/s 9.5 6.4 7.2 8.3 11.1	350 360 290 320 290	m/s 9•9 6•9 6•9 7•6 12•7	360 360 290 330 310	m/s 7·2 4·9 5·2 9·3 12·0	350 .360 290 330 310	m/s 5.6 5.0 6.6 8.5 10.2	350 360 280 320 290	m/s 6·6 5·0 9·0 8·7 10·5	350 360 280 310 290	m/s 7·1 6·5 6·8 9·8 9·7	350 360 270 310 300	m/s 8·2 7·0 7·2 11·0 7·5	350 360 290 310 300	m/s 9·3 6·3 8·3 11·4 10·8	m/s 7·5 7·8 7·2 8·1 10·4	1 2 3 4 5
10 120 300 240 200	5.7 6.3 4.3 9.1 18.0	10 120 300 230 200	4.5 6.5 4.3 9.7 16.6	40 120 310 220 240	3.3 5.8 2.5 10.1 11.4	40 110 350 210 240	3.7 3.5 1.8 10.1 10.1	70 340 20 200 230	3.5 1.5 1.9 8.1 12.4	70 340 50 200 220	4.3 1.5 2.2 6.1 12.3	80 350 60 220 210	3-6 1-7 1-9 8-2 13-1	10 190 60 210 220	0.7 2.7 3.6 8.2 13.5	360 200 60 200 210	1.0 6.1 3.5 9.8 13.8	350 190 50 200 200	1.8 6.0 3.7 11.5 15.8	350 200 60 210 200	0.9 5.5 4.3 10.5 16.2	360 210 50 180 210	2.0 5.1 4.2 6.2 17.5	5.0 3.3 3.9 6.3 14.4	6 7 8 9 10
250 20 160 130 200	14·9 3·0 4·6 3·8 7·8	250 10 160 100 200	15·1 3·3 3·5 3·1 8·5	250 350 190 110 210	17.0 2.8 3.6 5.1 8.3	250 360 190 90 210	15.5 3.5 0.9 3.6 8.0	270 10 150 80 210	11·3 3·7 1·1 4·8 7·2	270 20 110 60 210	10·0 3·5 3·7 5·0 5·3	270 60 90 50 220	10·1 3·1 3·8 4·9 3·6	270 30 90 60 210	9.8 0.4 4.3 2.6 1.8	280 360 130 40 200	8•9 1•2 3•0 0•9 0•6	280 350 130 30 40	9.5 1.9 4.7 0.3 0.1	280 10 120 20 320	6.8 1.8 4.9 0.9 0.1	280 350 110 350 330	4.0 0.2 5.1 1.2 0.4	11.4 2.9 2.1 3.8 3.1	11 12 13 14 15
100 160 60 50 140	0·4 0·9 1·5 1·8 5·3	180 150 40 90 60	0.5 1.4 4.2 2.4 0.7	270 170 20 110 80	3.7 1.3 4.3 2.5 3.3	280 30 60 140 100	4·3 0·5 3·2 4·1 7·4	270 40 120 150 70	4•4 1•3 2•8 4•2 6•6	260 40 150 140 60	4·3 0·8 1·5 4·4 6·3	260 10 20 140 90	6·1 1·9 0·2 2·8 8·1	260 350 40 150 80	5.6 2.0 0.3 2.5 8.7	250 10 60 130 80	6.7 1.5 2.2 0.9 7.3	250 10 50 140 70	7·3 1·4 1·3 0·6 6·8	240 10 30 80 70	8·1 2·3 1·1 1·0 5·7	240 10 40 30 80	7.6 2.8 1.8 0.4 4.2	2.3 3.6 2.6 2.6 3.7	16 17 18 19 20
140 60 60 20 30	6.5 4.7 5.6 2.7 7.4	90 60 70 30	5·1 4·1 4·8 3·2 6·2	150 120 70 60 40	3.5 4.5 3.8 3.9 7.2	160 270 70 70 30	6.0 2.4 5.3 4.7 6.7	140 360 60 70 30	6.0 2.9 4.4 4.0 7.2	110 50 50 70 30	9•6 1•5 3•0 4•5 6•6	110 30 40 60 30	8.5 1.3 1.6 2.5 6.5	100 310 60 60 30 ·	5.0 0.8 1.8 0.8 6.7	120 360 50 10 20	6.5 0.5 0.3 1.2 4.1	120 360 50 340 20	4.9 0.7 2.2 2.0 3.3	180 320 40 350 20	0.5 0.8 1.8 1.7 5.2	90 320 50 350 30	0·7 1·1 2·1 1·8 4·7	4.2 2.3 1.9 1.8 4.7	21 22 23 24 25
40 50 250 140 180	5•4 3•5 2•4 1•5 3•1	40 60 260 90 200	5.6 4.2 2.7 0.8 3.2	30 60 260 10 200	5.5 5.0 3.2 2.5 1.6	30 60 290 10 150	5•5 5•4 1•8 2•9 2•1	30 50 320 360 120	5•7 5•2 2•0 2•7 2•3	30 50 360 340 90	5.0 5.7 1.6 1.4 0.1	40 50 250 210 100	5.0 4.5 1.2 1.5 0.2	40 40 340 170 60	4.2 3.1 0.6 1.1 0.6	30 50 350 280 80	5•7 2•4 0•2 0•1 2•2	20 30 340 60	4·3 1·7 0·6 0·0 1·7	20 20 340 340 60	5·3 1·7 0·5 0·6 1·0	20 130 70	6•3 0•4 0•0 0•0 1•4	5.5 3.5 1.0 1.5 0.9	26 27 28 29 30
	<u>5•7</u>		5•5		5•6		5•5		5•3		5•1		4.8	·	4.3		4.3		4.5		4-4		4.2	4.7	
12 .	- 13	13	- 1 4	14	- 1 5	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Moon	Day

31

Mean

3.2

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

50 4.9

5•8

5•9

241. ESKD	ALEMUIR:										· .	Ha	(heig	ht of	anem	omete	r abo	ve M.	s.L.)	= He	ight (of gr	ound	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 1 2 3 4	90 1 0 350 0 340 0	1/s 1·2 0·0 0·3 0·5 1·8	80 350 340 360	m/s 0.5 0.0 0.8 1.3 2.9	350 350 360	m/s 0·2 0·0 1·0 0·7 4·2	120 120 340 340 360	m/s 0·3 0·0 1·3 1·0 2·1	340 350 360	m/s 0.8 0.0 0.7 1.2 2.5	9 140 340 350 350	m/s 1.8 0.0 0.7 0.9 1.5	140 190 360 30 380	m/s 3·8 0·4 0·2 0·4 0·8	0 140 180 10 140 120	m/s 4·5 2·9 0·1 0·2 0·1	0 130 170 60 130 150	m/s 4.9 2.6 0.1 3.0 0.8	150 170 130 140 170	m/s 3·2 2·4 1·2 2·7 2·0	160 220 160 150 190	m/8 3·4 3·7 2·8 3·4 3·2	160 230 170 170 200	#/8 4·0 4·0 2·4 4·7 4·2
6 7 8 9 10	350 1 10 2 60 0	0.0 1.2 2.0 0.8 5.0	360 350 90 20	0.0 1.4 1.3 0.9 4.8	350 250 350 350 30	0.0 1.0 0.7 4.2 4.9	10 350 350 350 30	0.0 0.6 1.6 4.5 4.5	350 10 30 10 30	0·1 1·0 2·7 4·7 4·9	340 20 30 30 30	0•1 2•4 2•3 4•9 5•8	20 20 30 30 30	0•3 3•9 2•5 5•0 5•5	10 30 30 40 30	2·1 5·2 2·6 5·0 5·4	60 30 10 30 50	4.0 5.0 1.2 5.6 4.5	60 50 70 40 50	4.0 5.1 0.8 6.6 5.5	70 60 130 60 50	5·3 6·1 1·3 7·3 5·8	70 60 80 60 50	5·1 5·7 2·4 7·5 6·1
11 12 13 14 15	30 3 350 2 30 6	5•6 3•7 2•0 5•0	20 30 350 20 350	4.6 4.0 3.6 5.9 0.7	20 20 360 20 130	6•1 3•5 3•6 6•0 0•2	20 30 10 20	8·1 4·4 0·8 5·9 0·0	20 30 90 20	7•7 3•8 0•2 6•5 0•0	20 20 150 20	4.6 4.8 0.1 6.8 0.0	20 30 50 20	4.5 7.2 0.5 6.3 0.0	20 30 320 20 170	5·7 7·2 2·2 7·2 1·4	20 30 310 20 220	5·2 7·3 3·4 8·1 7·0	80 30 300 20 230	4·1 8·1 5·8 9·4 7·4	60 30 280 20 240	5-0 7-9 5-6 9-9 7-6	70 30 270 20 230	4·8 7·1 5·1 10·5 7·5
16 17 18 19 20	10 4 350 6	0•0 1•9 5•3 0•0 1•2	20 20 350 20 10	10.1 4.0 6.8 0.1 0.4	10 10 350 	7•3 3•1 5•2 0•0 0•9	360 10 360 360 10	7•2 3•9 2•8 0•2 0•6	360 10 230 360 60	6.8 5.5 1.8 0.3 2.5	350 10 360 360 50	8•8 6•5 4•0 0•3 4•0	350 10 350 170 50	9•2 5•8 6•0 0•2 4•9	350 10 380 140 60	8·7 7·5 6·5 4·3 7·1	360 10 360 140 60	8·3 8·1 6·0 5·2 7·3	350 10 360 150 60	8•4 6•5 5•2 5•2 8•4	360 10 350 130 60	7-8 6-2 4-6 5-0 8-5	360 10 350 160 60	7•5 6•1 4•5 5•0 9•0
21 22 23 24 25	350 0 40 3 30 4	2•8 0•5 3•8 1•0	20 360 40 30 20	3•2 0•6 4•8 3•0 5•2	20 350 40 20 30	4.8 1.2 4.3 1.9 5.5	20 350 30 20 30	5•8 0•9 4•9 4•5 5•7	30 360 30 20 30	5•5 0•9 5•6 5•8 6•8	30 40 20 40	6•3 0•0 5•8 5•3 7•5	30 50 40 20 40	6-5 0-1 6-0 5-5 7-4	30 80 50 30 30	6•3 2•1 8•2 5•7 6•7	40 80 60 40 30	5-9 2-9 9-0 5-8 6-9	60 70 50 40 40	5•0 3•7 7•9 6•9 7•6	70 70 50 30 40	4-6 5-0 7-5 6-7 8-7	80 70 50 40 50	4.2 5.4 6.9 8.1 8.6
26 27 28 29 30	30 5 10 2 20 4	7•0 5•9 2•9 1•0	20 30 10 20 20	7•6 5•7 2•5 3•3 4•9	30 30 360 10 20	5•7 5•7 1•6 4•5 4•8	40 20 10 20 20	5•7 5•6 1•0 3•5 4•7	40 20 10 10 30	5.0 4.8 1.5 3.6 4.4	40 30 20 20 20	5.8 5.2 2.2 3.9 5.2	40 30 40 10 20	5•9 5•2 3•9 4•8 5•5	40 30 50 30 20	6•4 5•8 5•6 5•6 5•3	40 40 60 40 30	6.3 6.7 5.2 5.5 5.4	40 40 50 50 30	6·3 6·0 5·7 6·0 4·9	50 50 60 50 40	7.0 7.2 6.5 5.2 4.8	60 60 80 60 40	7·2 6·5 6·8 5·9 5·0

30 5.6

242. ESKD	A LEM UI	R: F	i _a = :	235 me	tres	+ 15	metre	es																
Day 1 2 3 4 5	360 10 360 360 360	m/s 2·8 5·0 1·6 3·6 2·6	0 360 350 10 20 40	m/s 3·2 5·8 0·5 2·9 2·8	350 350 360 360 50 20	m/s 3·5 6·5 1·4 4·0 2·0	360 350 350 60 30	m/s 4·9 7·2 0·7 4·5 2·5	0 10 350 340 70 10	m/s 4•7 6•2 0•8 4•3 1•3	20 10 10 70 20	m/s 4·7 3·3 1·0 3·6 1·2	30 40 120 70 20	m/8 4•7 5•1 0•2 3•9 1•5	50 50 190 80 40	m/8 4·8 5·6 2·6 4·3 2·1	50 50 190 90 60	**************************************	50 40 230 80 60	m/s 3.2.3 5.3.3 3.3 1.9	50 60 220 80 20	m/s 2.8 5.2 3.8 3.4 3.0	50 80 210 60 30	m/s 3·8 4·0 6·4 3·7 3·1
6 7 8 9	300 210 230 150 360	0-1, 11-3 11-1 0-8 1-2	330 200 230 260 360	0.9 11.2 12.9 0.4 2.1	350 200 230 340 30	0•3 7•6 14•8 0•1 1•3	160 200 220 350 360	0·1 4·8 14·8 0·4 1·1	180 220 20 20 120	0.0 3.8 14.9 0.2 1.1	180 230 50 110	0.0 6.5 13.3 0.1 0.6	140 190 220 110 70	0•1 8•2 12•4 0•3 2•5	170 200 220 170 120	1.4 10.1 11.9 3.7 5.4	210 200 220 200 110	5•1 10•0 12•7 6•5 5•4	200 180 230 190 110	6•4 8•1 10•2 7•8 5•2	200 200 270 200 110	5.9 11.6 7.7 8.5 6.1	210 200 260 210 100	8·3 14·2 8·1 9·5 6·0
11 12 13 14 15	200 220 180 350 330	6.5 9.8 6.9 1.3 0.2	220 220 180 350 360	4.9 10.1 5.9 1.1 0.5	210 230 200 260 360	2.8 9.5 5.7 0.9 0.2	180 230 200 330	2·3 9·5 7·1 0·8 0·0	190 230 190 340 180	3·2 6·6 5·2 1·1 0·3	180 230 200 40 180	4.9 7.1 5.7 0.5 1.2	180 220 200 160 200	5•8 8•5 4•9 3•8 3•6	170 230 190 160 220	5•6 9•5 4•0 4•9	170 220 190 170 220	7•3 7•4 2•8 4•8 4•5	190 220 210 160 230	6.5 7.8 5.4 4.8 6.5	190 230 240 170 240	8.7 8.2 8.1 5.1 4.7	170 220 220 200 260	10.0 8.4 8.6 6.3 5.9
16 17 18 19 20	170 30 340 180	0.0 0.7 1.5 1.3 2.6	190 80 30 340 160	0.3 1.1 1.5 1.3 5.9	190 320 30 340 190	0.2 1.0 2.3 0.7 5.5	170 40 40 10 190	0.4 1.5 2.0 0.7 5.1	180 40 50 360 190	1.2 0.8 2.6 0.2 6.0	190 230 40 70 200	1.7 0.1 3.3 0.1 7.2	190 160 40 80 200	2•1 0•2 3•7 0•1 8•9	190 160 50 160 200	2·1 0·4 4·8 0·7 9·5	230 80 50 170 200	2:9 2:8 5:8 2:0 9:4	220 70 50 160 200	3·9 4·2 6·5 3·3 9·0	230 70 40 180 190	5-8 4-3 7-2 3-5 8-4	210 60 40 160 200	6·1 4·0 7·1 4·0 8·4
21 22 23 24 *	210 210 340 10 20	6.1 2.7 0.7 3.0 5.8	190 200 360 10 20	6•0 0•6 0•7 2•9 5•0	190 80 360 10	6•6 0•2 0•9 2•0 4•8	190° 350 20 20 350	5•7 0•8 1•0 1•8 4•9	200 350 360 30 10	8.0 0.4 2.5 0.8 5.3	190 150 340 20 10	8 • 2 0 • 8 3 • 5 1 • 0 5 • 0	190 170 350 40 10	4.6 4.8 3.1 0.9 5.4	190 200 20 50 20	7•8 7•2 1•9 2•8 6•0	200 190 20 50 40	12.0 5.6 1.2 3.4 4.5	21.0 200 30 40 30	12.6 7.0 0.3 3.0 4:9	210 190 150 50 40	13·4 7·4 0·5 4·0 4·5	200 170 160 50 20	13-0 5-4 2-2 5-8 4-4
26 27 28 29 30	30 210 200 210 280	2.6 8.1 3.3 5.4 0.2	10 190 210 200 170	2.5 7.4 5.0 4.3 0.7	30 200 230 190 170	1.8 8.7 7.2 3.5 0.6	200 230 180 190	2.4 7.5 6.3 3.3 1.5	20 200 230 120 200	2•3 8•6 5•0 1•8 2•8	50 200 220 190 220	2.9 8.6 4.5 2.8 2.2	50 210 260 190 180	3•1 8•3 5•1 4•6 1•5	360 210 270 200	0•4 8•4 5•0 5•2 0•0	20 210 260 200 20	1.0 9.2 5.4 5.7 0.2	50 210 260 210 320	1•4 9•6 5•6 8•1 0•3	80 210 280 210 10	2-2 9-8 6-3 8-2 0-6	30 210 240 210 280	1.3 8.2 7.4 9.1 1.0
Mean		3•6		3•7		3•6		3•5		3•5		3.5		4-1		4.7		5•2	***	5•5		6-0		8-5
Hour G. M. T.	0	-1	1	- 2	2	- 3	3 -	- 4	4	- 5	5	- 6	6	- 7.	7 .	- 8	8	- 9	. 9	- 10	10 .	- 11	11	- 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

2.8 6.5 7.8 9.0 0.7

6.7

12 - 13

220

230

250

210

130

6.5 6.5

9•3 0•5

6.7

13 - 14

220

250

250

210

80

3-4

5-3

5-5

9.2

0.5

6.3

14 - 15

4•6 5•8

8•2

0.8

6-0

15 - 16

220

280

220

210

130

220 270

200

210

110

4-9 5-5 9-2

7•5 1•7

6.1

210 260

200

210

140

5•8 5•5 7•8

6•7 2•7

6.0

17'- 18

M.S.L. + ha (height of anemometer above ground) = 235 metres + 15 metres

MAY, 1935

JUNE, 1935

_				_				F																	
12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20 -	- 21	21 -	- 22	22 -	23	23 -	- 24	Mean	Day
0 160 210 160 140 210	m/s 4·8 3·9 1·6 5·0	0 160 210 170 150 230	m/s 3·9 4·3 1·8 4·9 4·9	170 210 110 130 240	m/s 4·8 4·1 3·0 4·8 4·3	190 200 100 110 230	m/s 4·5 1·7 2·1 5·9 5·0	90 110 240	m/s 4·1 2·1 3·3 6·5 5·1	0 210 190 80 110 240	m/s 4·0 2·7 3·2 5·2 4·2	220 200 60 100 260	m/s 2·2 1·7 3·0 2·6 3·5	240 210 80 20 300	m/ε 0·5 0·1 3·8 1·3 1·7	340 350 10 320	m/s 0.0 1.4 0.8 1.7 1.2	350 330 220 10 355	m/s 0·1 0·8 1·0 2·4 1·3	350 340 330 360 350	m/s 0·1 0·2 1·5 2·6 0·5	350 330 360	m/s 0.0 0.7 0.5 1.8	m/s 2·4 1·7 1·5 2·7 2·6	1 2 3 4 5
60 60 90 60 40	4·9 5·9 3·3 8·6 6·0	60 70 90 60 40	3.9 5.8 2.7 8.8 6.5	60 60 70 50 40	4.5 6.0 3.7 5.9 6.2	60 70 70 60 50	5.0 5.3 5.0 5.8 6.3	60 70 70 50 50	4.9 5.5 5.1 6.3 6.4	60 70 70 50 40	4·2 5·4 4·9 5·2 6·2	40 60 70 50 40	3·2 5·1 4·5 4·5 6·4	360 50 70 40 30	1.9 4.2 3.3 4.9 7.0	360 30 100 30 20	2.6 2.8 0.4 5.6 3.2	10 20 290 30 10	1.9 4.0 1.2 4.9 2.8	360 20 350 10 20	1.8 2.4 1.5 4.3 3.7	350 10 360 20 20	2·3 3·0 1·5 4·5 3·7	2.6 3.9 3.4 5.3 5.3	6 7 8 9 10
70 30 290 20 20	4.9 6.4 5.5 11.7 8.9	50 30 290 20 230	4.9 6.8 7.3 12.3 6.4	60 30 290 20 20	5.0 6.0 8.6 12.1 5.3	70 40 290 20 230	5·1 5·7 12·7 11·3 4·1	70 40 290 30 270	6.5 5.5 14.4 9.5 1.8	60 50 290 30 330	8.2 5.6 11.2 7.9 1.7	60 50 290 30 10	7.2 4.3 9.5 6.6 10.1	50 40 290 30 10	4.3 3.7 10.3 4.8 9.1	30 30 20 10 10	4.5 3.5 8.5 3.8 9.0	30 20 20 350 10	3·3 3·0 7·3 3·3 10·9		3.5 2.5 6.8 3.4 12.2	40 340 30 340 20	4.6 1.5 7.5 1.7 10.6	5•3 5•1 5•9 7•4 5•2	11 12 13 14 15
350 360 350 140 60	7-6 6-8 4-8 3-7 9-5	360 360 340 130 60	8.0 5.0 4.8 5.0 10.0	350 360 . 360 120 60	6•7 5•2 5•2 4•6 9•7	320 360 360 90 50	6.0 6.6 5.5 5.4 8.1	300 10 350 70 50	7•5 8•£ 4•9 7•5 7•8	290 10 310 50 50	8·1 7·6 8·0 9·7 8·5	280 10 310 50 50	7•8 6•8 7•6 8•4 7•3	280 360 310 50 30	7•5 4•7 8•1 6•9 5•1	270 350 320 40 40	6 • 2 5 • 0 2 • 0 2 • 5 4 • 9	250 350 350 10 30	6.0 7.5 0.5 2.1 6.4	250 350 350 10 30	7.0 8.8 0.8 1.7 6.1	240 350 340 20 30	6·1 9·5 0·6 1·4 5·0	7.7 6.2 4.7 3.5 6.0	16 17 18 19 20
70 70 60 50 40	4.7 6.9 7.7 8.7 9.1	60 60 60 40 40	4.8 6.7 7.0 8.4 9.9	70 60 50 50 60	5•2 6•4 7•6 7•6 8•8	60 60 50 50	4.7 6.5 7.3 6.6 8.3	70 70 50 60 60	4.5 6.7 7.3 7.9 7.9	70 70 50 40 50	4·1 6·1 8·0 7·7 7·1	60 60 50 40 40	3.6 5.0 7.5 7.4 7.0	360 40 30 40 40	1.5 4.1 4.7 5.8 5.1	10 50 20 30 20	1.2 3.2 3.5 6.2 4.8	360 40 20 30 20	1.2 3.2 1.8 6.2 6.4	360 30 10 30 20	1.5 4.5 4.2 5.6 6.3	360 30 20 20 10	0.7 4.9 4.1 6.4 5.5	4.1 3.6 6.1 6.2 7.1	21 22 23 24 25
50 100 50 30	7.0 6.1 7.3 5.5 5.6	50 60 110 60 30	7•2 6•4 8•0 6•0	40 60 110 60 40	6.6 7.8 6.6 5.6	50 60 110 60 50	7.0 6.9 7.5 6.8 8.3	50 60 110 60 60	6·1 8·2 7·0 6·9 7·1	30 80 80 60 50	6·4 7·7 5·5 7·4 6·0	30 70 60 60 50	6.0 6.3 7.4 6.8 4.6	30 50 60 20 40	4.0 5.6 5.2 3.5 4.5	20 20 40 360 20	5·1 3·1 3·6 4·9 5·1	20 360 350 10	5·7 4·2 3·1 3·7 5·0	30 30 360 20 10	7·3 4·3 3·9 2·8 5·0	30 30 30 20 20	5.9 1.9 3.4 3.0 3.2	6•3 5•7 4•8 5•0 5•2	26 27 28 29 30
50	4-0	50	4•3	60	4.2	60	5•1	60	5•1	60	6.1	6Ó	6•4	50	3•7	330	2•6	360	2•3	20	4•6	10	4•8	4-7	31
	6•2		6.2		6-2	-	6•2		6-4		6•3		5•8		4•5		3•6		3•7		3•9		3 -6	4•7	

70 70 190 60 50	3·8 4·6 7·5 4·8 3·2	80 100 210 80 40	11/s 4·9 4·2 7·8 5·0 3·4	60 110 210 50 20	5.9 5.1 6.0 4.7 3.7	60 100 200 60 130	m/s 6.6 4.9 4.8 5.0 2.3	60 90 230 50	m/s 7·2 4·7 3·9 5·5 0·4	60 70 200 50 350	m/s 7·1 3·2 3·0 5·2 0·8	50 40 50 50 50	m/s 5•4 2•9 5•8 5•0 2•4	60 30	m/s 3•6 4•5 3•9 3•5 1•1	340 30 10 40 350	m/s 3•5 2•4 1•5 2•7 0•4	330 30 350 40 340	m/s 3.8 2.1 1.2 2.1 0.2	340 10 360 50 360	m/s 5.0 1.8 2.5 1.8 0.2	360 360 10 50 340	m/s 4.8 1.8 3.4 2.6 0.2	m/s 4.5 4.5 3.2 3.9 1.8	1 2 3 4 5	
210	10·4	210	10.0	220	9·2	200	6.7	160	5.5	150	6·1	150	5•6	160	6.9	190	9•5	200	12·2	200	11-4	210	11.5	5.6	6	
200	13·7	200	13.2	200	12·5	200	12.5	200	12.2	200	11·1	210	9•4	210	5.8	210	6•3	220	8·5	240	9-9	240	12.8	.9.8	7	
270	7·2	270	7.4	270	7·3	270	9.0	270	7.0	270	6·7	270	6•5	270	5.3	260	5•0	260	4·5	190	1-5	160	0.9	8.9	8	
200	10·8	200	10.3	200	9·6	210	10.1	210	9.2	210	8·2	210	6•2	210	5.0	180	1•6	310	0·6	340	1-4	330	1.6	4.7	9	
90	6·6	90	9.0	80	7·0	80	5.4	60	3.3	60	3·9	50	3•2	50	3.5	20	2•0	360	1·6	10	0-8	40	0.5	3.5	10	
190	8.6	180	6·1	160	6.0	170	7.5	190	11.2	200	12·1	200	11·3	210	11-8	210	11.8	210	11.8	220	11.7	220	10.2	7•9	11	
210	9.5	210	9·9	210	10.5	210	10.1	210	10.4	200	9·0	200	7·3	190	7-0	200	8.2	190	7.2	190	6.5	180	6.6	8•5	12	
220	11.2	220	10·6	220	8.7	210	9.9	210	10.0	200	9·8	200	8·8	200	6-0	200	3.8	220	1.8	200	2.3	60	0.8	6•4	13	
190	7.0	210	7·0	210	5.1	200	7.3	190	8.2	190	.8·0	190	7·8	200	6-8	220	5.9	210	3.0	210	1.3	330	1.0	4•3	14	
260	3.7	200	4·0	210	4.6	220	5.3	210	7.1	210	7·4	220	6·3	200	4-2	190	2.2	290	0.5	350	0.6	40	0.1	3•3	15	
220	6·7	210	5•2	210	6.0	220	4.5	230	3•7	220	4·4	180	2.6	330	0-7	170	0.6	270	0·3	110	0.2	160	0.5	2.6	16	
70	4·2	70	3•9	140	3.0	130	3.1	160	3•2	150	3·2	160	2.8	180	2-5	120	1.7	80	0·7	10	1.0	30	1.0	2.1	17	
40	6·9	50	6•5	50	6.7	50	6.2	50	6•1	50	4·9	60	4.6	50	2-5	30	1.4	350	2·5	360	1.9	350	1.9	4.2	18	
170	4·7	180	5•1	170	5.0	220	4.8	210	3•1	160	1·0	160	2.7	150	3-1	170	4.0	160	3·7	160	3.5	170	3.1	2.6	19	
200	9·7	210	7•3	200	6.7	200	6.5	190	7•1	200	7·9	210	7.4	200	5-8	210	5.7	210	5·1	210	4.3	220	5.1	6.9	20	
210	11.6	200	9·4	200	8-8	200	10.0	200	9•6	200	8.5	210	8.0	210	8•5	200	7•0	200	6.5	200	5•1	210	3-8	8•3	21	
170	6.1	160	6·6 •	180	7-0	200	5.6	220	4•8	210	5.8	210	3.9	220	3•1	220	2•2	170	1.6	250	0•2	350	0-8	3•8	22	
190	2.9	240	4·4	240	3-4	230	0.9	280	1•2	310	3.3	20	3.1	30	2•5	20	3•3	360	3.5	10	3•5	50	3-8	2•3	23	
60	6.2	60,	6·0	60	5-7	60	3.8	60	3•7	60	5.4	60	5.1	50	4•6	50	3•6	10	2.8	20	4•5	20	4-3	3•6	24	
20	3.6	30	5•4	50	6-3	30	5.0	40	4•8	50	5.0	50	6.2	40	4•8	50	3•2	20	2.8	20	2•1	20	1-8	4•6	25	

5•5 5•2 7•0

5•4 2•7

5.5

210 260

200

210

160

200 240 210

210

170

3•5 4•6 5•6

4.0

4.6

19 - 20

180 230

210

190 220

1.9 4.5 3.5

1.0

3.7

20 - 21

190 210 180

160 330

5·1 3·8 1·8

1.2

3.4

21 - 22

200 200 190

40

340

4-8 4-0 0-2 0-3

3•4

22 - 23

8·4 3·7 4·1 0·1

3-4

23 - 24

210

210 210 10

3.5 6.8 5.6 5.£ 1.1

4-8

Day

243. ESKDALEMUIR:

Ha (height of anemometer above M.S.L.) = Height of ground above

	5.4.5.5																							
Hour G. M. T.	0	- 1	1	- 2	2	- 3	3	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	- 9	9	- 10	10 -	. 11	11	- 1 2
Day	۰	m/s	•	m/s	•	m√s	۰	m/s	•	10/s	•	m/s	0	m/s	•	m/s		m/s	•	m/s	•	m/s	0	m/s
i	360	2.0	20	2.0	20	2•8	10	3-2	10	2.8	30	1•4	90	0.7	150	0•3	140	1.1	170	0-2	180	0.1	120	0.1
2	360	2.4	10	0.8	20	0.1		0.0	360	0.1	150	0.3	240	1.9	230	2.3	240	3-0	200	2.8	230	3•7	230	7.0
3	250	2.8	270	4.0	300 260	3•1 9•2	280 260	2.4	280 270	3•4 12•6	280 270	3•2 13•1	260 260	2.5 12.3	260 270	2.3	250 270	3.9	240 270	5•2 9•2	230 270	6•2 9•7	220 270	10.3
4 5	240 260	8•5 10•0	250 260	9.2	260	10-0	260	10.0	260	9.9	260	9.4	260	8.8	270	9.4	270	8-2	270	9.0	270	8.5	270	7.9
	200	10-0	, 200	10-3	200	10-0	200	100	200		~00	0 1	200		~,~	J 2		. ~ ~	~	"	2.0			
6	270	5-0	250	3•3	250	2.8	230	3.5	180	3•3	190	3•2	190	2.8	220	2.7	300	2.1	300	4.3	290	4.7	290	4.9
7	350	0-2	350	0.7	360	0-3	360	0.2	360	0.2	320	0.2	. 30	0.1	60	0.5	140	0.7	120	0.9	140	1.1	160	1.3
8	360	0.1	340	0.6	340	0.6	340	0.5	340	0.1		0.0		0.0	140	0.3	150	1.0	170	2.5	190	4.1	180	4.7
9	10	0.1	20	0.1	360	0.1	360	0.1	350	0.1	360	0.1		0.0	150	0.2	140	0-9	200	3.8	200	4.8	210	5•7 8•2
10	140	0.4		0.0		0.0	160	0-8	170	1.1	180	2•3	210	5•3	190	5•1	200	7•4	210	7•2	210	8.1	210	8.5
11	320	0•4	350	0.1	280	0.2	180	0.1	10	0.1		0.0		0.0	140	0.2	160	0-2	180	1.2	230	1.3	210	1.0
12	10	2.2	20	1.2	10	2.2	40	0.3	20	1.3	10	1.5	20	1.5	20	1.5	330	0.7	160	0.2	150	2-1	160	3.3
13	360	0.2		0.0	330	0.5	310	0.3		0.0		0.0	140	0.3	210	4•6	200	5•4	2 0 0	6.2	210	6.5	,200	7•4
14	350	0.2	360	-0•3	360	0.1	340	0•6	340	0.5	360	0.4	360	0.4	20	1•4	50	0.9	30	2.4	50	3•5	60	3•5
15	30	1.0	330	0.8	330	8•0	350	0.2		0.0		0.0	140	0.4	150	1.4	170	2.3	210	3∙€	240	4.7	220	5•0
,,	050		240	, ,	040			ا م م	030	2-0	200		220	5-0	270	2-0	940	2.0	230	4.5	230	6•8	220	7.0
16 17	270 270	1.6 1.1	240	1.9	240 300	3•6 0•6	260 290	3.2	210 270	3.0 1.4	200 270	3•5 2•2	260	5•2 2•6	210 260	3•0 2•7	240 250	3.8	250	4.5	240	4.4	250	4.4
18	250	3.2	250	3.1	240	3-0	210	2.6	190	2.6	230	2.5	240	3-6	250	3.6	240	5.1	240	5.6	230	7-6	230	7-1
19	210	1.6	180	2.1	210	1.1	170	1.1	230	3.1	130	0-6	160	1.1	190	2.1	220	4.4	210	4.8	200	5•0	200	5•4
. 20	210	6-6	210	5•7	230	5•6	240	6.2	230	5•4	220	4-4	220	5•0	240	5•8	240	5-1	280	6.2	290	6-2	290	7•3
									4													ا . ند ا		
21	290	5•6	300	5•0	300	3-8	290	4.6	290	5•Q	290	6•8	290	7•8	280	6.6	290	7.0	280	7-2	290	6•4 7•4	280 210	6•3 5•5
22	300	0.2	300	0.0	10	0•2 2•1	60	0.1	900	0•0 4•0	220	0•0 5•6	180 210	2•3 6•8	200 210	4•2 6•9	210 210	4•9 8•4	210 200	6•7 7•5	200	8-7	210	10-0
23 24	190 280	1.7	190 300	1.2 3.2	160 350	2.0	160 20	1.6	200	1.9	50	1.6	30	2.3	20	3.1	20	2-2	30	2-4	40	1.3	150	1.1
25	50	0.6	300	0.0	170	0.2	130	0.4	150	0.4		0.0	130	1.5	180	1.5	240	2.2	250	5.0	250	5•5	270	4.8
	- 00	• •		4																1			ŀ	
26	190	1.7	180	2.6	230	0-7	260	1.7	280	1.6	280	1.7	3 0 0	2.2	270	2•6	270	2.9	260	2.6	270	4.4	270	4.9
27	220	8•5	220	6.9	220	8.1	210	6.0	230	7•3	220	6•5	230	7•5	230	9•9	220	9.2	220	9.1	220	9•3	240	9.5
28	190	3.1	250	4.0	260	3-8	240	5•5	270	5-2	270	3.2	270	4.4	270	5•4	260	5.6	260	5•8	260 340	6•0 3•3	270 340	6•3 3•5
29 30	280 260	5•7 1•7	300	5.6 2.2	320 20	3.2	320 270	3•9 0•8	320 170	4.5 0.8	310 170	4•5 0•5	320 80	3•8 0•4	340 180	3.2	340 180	1.5	330 140	3.9 1.6	290	1.9	310	2.7
30	200	1.	350	2.5	دن	0-9	210	0.0	1/0	0-8	1/0	0-3	80	0-4	100	0-1	100	- 3	140		~~~	• •		~ '
31	330	1.5	340	1.2	350	1.1	360	0-7	360	0.6	360	0.3		0-0	130	0-7	170	1.8	210	2.4	190	3.0	200	3•0
																				l. :				
	 	 		 														 						
Mean		2.6		2.6		2.4		2-4		2-7		2•5	,>-	3•0		3-4		3•9		4.5		5•0		5•4
				l				L				L								1	لـــــا		L	

244. ESKI	ALEMU	IIR:	H _a =	235 n	etres	+ 15	metr	es					1								•			
Day 1 2 3 4 5	20 240 350 310 200	m/s 0·1 0·5 0·7 4·0 2·8	9 310 360 350 80 200	m/s 0·1 1·1 0·9 1·6 3·8	10 330 40 200	m/s 0.0 3.0 0.2 1.4 4.2	0 10 360 350 280 210	m/s 0·1 3·5 0·1 1·4 3·4	360 150 230	m/s 0.0 2.9 0.0 1.4 4.0	10 340 190 240	m/s 0.0 3.4 0.1 2.6 3.8	40 210 250	m/s 0.0 3.7 0.0 3.0 4.0	50 230 240	m/s 0.0 5.6 0.0 3.7	0 130 50 140 230 230	m/s 0•4 5•7 0•7 5•6 3•9	50 130 230 230	m/s 2.6 5.2 1.5 5.0 3.4	50 220 240 220	m/s 2·1 5·0 2·1 5·0 5·0	0 130 60 290 250 220	m/s 0.8 4.5 2.5 4.7 5.8
6 7 8 9 10	190 360 170 290 220	1.9 0.1 1.6 0.8 3.2	210 320 170 300 210	1.5 0.1 2.0 3.0 3.5	270 340 130 310 220	0•7 0•1 0•8 4•2 5•6	210 160 310 210	1.2 0.0 0.7 5.8 4.5	230 340 100 320 220	1.8 0.1 0.2 2.4 7.5	150 160 90 40 220	0•7 0•1 0•3 0•9 7•6	200 170 180 170 210	2.5 0.6 1.8 1.3 8.3	240 90 200 320 210	2•7 0•3 4•0 5•5 7•5	270 230 220 330 210	3•4 4•6 4•9 2•0 7•7	250 220 220 300 210	3•8 5•3 5•5 4•3 8•5	250 230 220 280 210	5•2 5•6 5•8 4•5 9•3	250 220 230 280 210	5•4 7•0 6•2 4•5 12•3
11 12 13 14 15	200 310 350 260 260	6•3 1•5 1•2 2•6 1•5	210 90 340 210 240	7•4 0•2 0•4 2•1 1•3	210 20 200 250	8 • 2 0 • 3 0 • 0 2 • 2 2 • 4	220 40 300 190 240	8•6 1•3 0•1 3•3 2•5	220 360 310 250 240	8.8 4.5 0.1 2.0 2.5	210 20 270 250	8•6 4•2 0•0 3•3 2•0	210 10 140 270 250	8•7 2•8 0•1 3•0 2•6	210 10 190 270 260	8.5 4.4 1.6 4.3 3.0	210 20 250 270 250	9•5 3•8 3•2 3•9 3•7	220 20 290 300 240	10·8 4·1 3·7 4·2 3·6	220 10 280 290 240	10-1 3-9 4-3 3-8 5-3	230 20 290 270 250	9.0 3.5 5.2 4.2 4.5
16 17 18 19 20	170 90 220 210	0.0 1.5 0.1 2.3 4.7	90 180 200 210	0·1 2·4 0·0 1·5 4·7	290 190 330 200 190	0·1 2·7 0·2 2·1 3·8	180 210 210	0.0 2.2 0.0 2.2 5.0	140 170 210 210	0.2 1.6 0.0 2.5 4.8	170 190 210 210	0.0 1.3 1.1 3.2 4.8	160 200 190 230 220	0·1 2·9 1·2 4·2 5·8	140 190 180 230 210	1.2 3.7 1.9 4.1 5.6	150 200 190 220 210	1.2 4.7 2.7 3.7 6.7	190 200 180 230 200	2.5 4.5 2.8 3.7 7.8	210 190 190 230 200	2•4 5•0 3•8 6•2 8•0	210 190 210 240 210	3·2 5·0 4·7 6·1 6·5
21 22 23 24 25	170 170 170 20 30	0.4 0.2 2.8 3.2	50 340 50 360 20	0·1 1·3 0·4 2·4 3·7	330 340 350 10 20	0.6 0.7 0.7 3.0 3.4	300 360 350 10 10	0.7 0.5 0.6 2.8 4.5	340 350 360 10 10	0.2 1.2 0.3 3.2 3.4	220 360 10 10	0.4 0.8 0.2 2.0 3.3	170 10 10 10	2.8 0.8 0.0 1.8 3.4	160 10 10 10	5·3 1·4 0·0 2·8 3·3	190 10 120 20 10	6.8 0.9 0.5 2.7 2.7	190 160 160 10 20	7.5 1.1 1.1 3.2 3.3	180 150 280 20 10	6-8 1-6 1-2 2-6 3-3	180 170 190 40 40	8.7 1.8 1.4 1.8 4.7
26 27 28 29 30	200 350 360 260 190	3•3 1•0 0•3 3•3 3•2	210 300 360 230 180	4.8 2.2 0.1 3.0 3.3	210 330 350 230 200	5•7 2•5 0•2 4•4 4•4	190 120 350 200 180	4.3 0.9 0.8 2.8 3.4	200 280 360 180 180	6.6 2.2 2.0 1.6 4.0	190 260 10 150 210	6.5 1.5 1.6 0.8 3.0	200 260 10 190 230	9•7 2•4 1•8 2•5 5•5	210 280 10 240 230	8•0 5•0 1•8 5•2 6•3	220 280 10 230 240	9.8 6.3 2.4 5.8 5.8	220 270 30 220 230	9•9 5•2 3•1 6•3 5•3	230 270 30 220 220	7•1 4•9 3•0 6•8 6•9	240 260 30 210 210	4.0 4.8 4.1 6.9 8.7
31 Mean	240	5•7 <u>2•0</u>	230	2.1	240	4•0 2•3	230	3•2 2•3	240	3•6 2•4	230	4•6 2•3	250	2•9	210	2•7 3•6	240	3•0 4•2	230	3•3 4•6	210	5•2 4•9	210	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

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

JULY, 1935

12 .	- 13	13 .	. 14	14	- 15	15 -	- 16	16 .	- 17	17 -	18	18 -	- 19	19 .	- 20	20 .	- 21	21 -	. 22	22 -	23	23 -	24	Mesn	Day
0 10 230 210 270 270	m/s 0.2 8.2 7.5 11.0	60 230 200 270 270	m/s 0·1 8·6 9·2 8·8 9·9	0 140 230 230 250 270	m/s 3.0 8.9 10.2 8.5 9.7	0 160 240 220 260 270	m/s 3·3 8·1 9·9 6·4 9·9	280 230 210 250 270	1.2 8.2 8.3 6.7 10.3	360 240 200 260 290	m/s 0.5 6.3 8.6 8.3 9.4	230 200 270 290	m/s 0·8 7·1 8·5 8·1 6·4	350 250 200 270 300	m/s 0·3 3·4 8·3 8·6 5·9	0 10 270 210 260 300	m/s 0-4 3-8 9-0 8-0 11-0	350 270 220 250 290	m/s 1.8 2.9 8.5 7.9 7.0	360 270 220 250 300	m/s 2·4 4·5 8·2 8·1 3·5	0 10 260 240 260 270	m/s 1.5 2.8 8.7 8.6 3.5	m/s 1·3 4·1 6·3 9·5	1 2 3 4 5
290 140 190 210 200	5-1 1-4 4-4 6-0 7-0	290 180 210 200 190	4.8 1.8 5.0 6.5 6.8	300 210 210 220 200	4.0 1.2 4.5 5.5 5.8	290 200 210 210 200	4.5 1.8 4.5 6.0 5.0	290 170 220 210 300	5.0 2.2 3.8 7.6 4.4	290 160 220 220 310	5-9 1-9 3-1 7-5 4-3	290 190 230 220 310	5.8 0.7 2.9 5.8 2.9	280 270 240 200 310	4·4 0·1 2·8 2·5 2·2	340 40 360 170 340	2.9 1.0 0.4 0.3 0.5	320 300 340 160 30	1•4 0•7 0•3 0•5 0•3	140 330 340 30	0.8 1.5 0.3 0.0 0.1	160 360 350 320	0-3 0-2 0-2 0-0 0-1	3.6 0.9 1.9 2.7 3.6	6 7 8 9 10
160 160 220 60 210	1.2 3.5 8.3 4.6 5.9	170 170 210 60 210	1•3 3•3 7•2 5•0 6•7	220 160 210 50 210	1.5 3.5 7.0 4.8 6.8	200 150 210 40 270	1.6 3.0 6.5 4.6 6.0	190 170 200 40 270	1.0 3.3 6.6 4.5 5.1	190 210 200 20 270	1.8 4.1 5.1 4.1 4.3	180 200 210 20 270	1·3 2·9 2·8 3·7 2·6	90 170 210 30 290	2.0 3.2 2.8 3.3 2.9	40 170 240 40 290	1.6 1.7 2.6 2.6	10 150 320 30 290	3·1 0·7 0·9 2·0 3·1	360 340 50 290	3.2 0.0 0.9 1.3 2.3	10 340 30 290	1.8 0.8 0.0 1.0 2.3	1.1 2.0 3.4 2.3 2.9	11 12 13 14 15
21.0 290 230 200 290	5•6 4•8 7•1 8•1 9•6	230 290 240 190 290	6-6 5-9 5-6 6-6 10-0	220 290 230 180 290	6 • 4 6 • 8 5 • 0 5 • 9 9 • 7	210 290 240 170 290	6.4 7.0 4.3 4.8 10.6	210 290 280 140 290	5-9 7-1 4-7 4-0 9-8	210 280 290 140 300	6.0 5.5 5.0 5.3 11.0	210 280 290 140 300	6.0 4.4 4.8 6.0 10.6	200 280 280 150 290	5.9 3.1 3.2 6.0 11.4	210 270 280 170 290	6.9 2.7 2.6 5.3 10.0	250 270 270 200 300	3•8 3•3 2•7 5•9 7•5	260 270 260 200 300	2.2 4.3 1.8 6.1 5.6	280 240 280 200 300	1.5 3.6 1.9 6.1 6.9	4.6 3.7 4.1 4.3 7.6	16 17 18 19 20
290 200 210 160 250	6.4 5.9 9.0 1.4 5.5	290 200 210 250 270	6.5 5.7 9.7 1.6 5.0	270 210 220 310 270	6.0 5.9 8.7 2.9 4.9	280 210 220 310 270	6.0 7.0 8.4 3.1 7.2	290 200 240 320 270	5.9 6.8 5.4 2.7 6.0	290 210 220 300 270	6.0 6.8 6.3 3.6 2.7	290 200 220 290 260	3·2 5·3 5·0 3·5 2·6	280 200 220 290 270	1.6° 3.6 4.2 2.4 3.3	290 190 240 330 260	2·3 3·0 2·8 2·2 2·1	200 150 210 330 270	1.5 1.7 0.8 1.9 3.0	280 170 170 140 270	0.5 1.7 1.4 0.4 2.2	170 190 150 330 250	0-5 2-8 0-7 0-8 3:2	4-9 3-7 5-3 2-1 2-9	21 22 23 24 25
250 240 270 340 310	5.2 9.9 6.6 4.4 2.6	250 250 260 340 310	5.0 10.0 6.2 4.8 2.4	230 260 270 340 290	7·1 9·2 6·9 4·6 2·7	230 260 250 340 300	7·1 8·0 4·8 4·9 2·3	230 270 280 330 290	7•3 6•8 3•8 4•9 3•3	220 280 290 310 300	6.9 7.7 4.5 4.8 3.2	230 270 280 320 300	6.8 6.6 5.1 4.0 2.1	220 280 290 310 320	6·1 5·5 5·2 4·6 2·2	210 270 300 320 10	6·3 6·3 7·7 4·5 2·4	220 270 50 310 360	6.8 8.1 3.2 4.0 2.8	220 270 170 350 360	5.8 6.9 2.7 4.0 2.3	220 260 250 70 310	6.2 6.0 3.2 1.0 0.8	4.4 7.9 4.9 4.2 1.9	26 27 28 29 30
190	2-9	200	3•2	190	3•5 <u>5•8</u>	210	3•8 5•7	220	3•2 5•3	230	2.8	270	2·3 4·5	310	3-9	330	3.7	330	0•8 3•2	340	2.8	350	2.5	1•8 3•9	31
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AUGUST, 1935

l °	12/ 8	l °	194/S	l °	m/s	°	124/5		ma/s	•	m/s	٥	nnys	°	m/s	. "	104/8	l °	nn/s	ľ	m/s	ů	nn/s	nn/8	
1.5	- 1	200	0-9	150	0-7	170	0•5	290	3•1	330	1.7	320	3•3	320	3.2	340	2•5	350	1-6	60	1-7	30	0•6	1.1	1
7		70	3•5	80	4.8	70	4.9	80	3•8	60	4.0	60	3•3	360	1.2	40	0.2	360	0-8	360	0-8	340	1.0	3-2	2
30		310	4-4	310	5•0	300	6.4	290	7-6	290	7•8	290	6-8	290	4.6	280	2.6	270	1.6	280	2.6	280	2.4	2•6	3
25		250	5.0	240	5•7	250	5-9	250	6.1	230	5•5	220	5•0	220	4•4	210	4.3	200	4.5	200	3.7	210	3•3	4.1	4
22	0 5-8	220	6-6	230	6.0	230	5 •5	240	4.9	270	3-0	270	2•2	270	2.2	290	0-7		0-0	190	1.0	210	2•5	3•7	5
1	i		1 .	į.					i l		ŀ														
21		220	6.1	260	3•6	240	5.1	230	5•5	250	5•3	290	3.8	,320	1.2	350	0-7	60	0.2		0.0	10	0.1	2.8	6
22		210	6•5	210	7.0	200	7•5	210	6.4	220	5.1	230	4.4	240	2.5	180	0-8	140	0.8	150	0-7	150	1.4	3•0	7
24		230	6.8	230	6.8	220	7•2	510	6•5	210	5.1	220	4 • C	230	2.8	270	1.5	290	1.4	300	2.3	350	0-7	3•5	8
27		270	5•0	280	5.2	270	5•0	270	4.0	270	3.8	240	6.0	230	5•9	230	4.8	220	3•5	230	3•2	230	4.8	4.0	9
21	0 13.3	210	11.5	200	11.6	200	10.3	210	11.0	210	10.9	200	10.5	200	8•6	200	8-4	210	10.0	210	8.5	200	6.7	8-6	10
١	_		١.,			i														ŀ			l .		l I
25		270	3.5	270	2.0	270	1.7	260	1.8	250	2.9	240	1.7	220	0.8	280	1.8	350	1.3	350	1.2	350	1.4	5•5	11
2		30	3.4	30	2.8	30	3.3	20	3.9	40	3•9	50	4.8	20	2.5	20	1.6	360	3•1	360	1.6	350	1.7	3•0	12
30		280	6-0	280	4.6	270	4.3	260	3•3	260	4.0	260	2•3	260	2.6	240	1.8	270	2•6	280	4.7	270	5-1	2•8	13
28		270	4.5	270	3.8	270	4.0	270	4.0	270	3•3	270	3•4	270	2.7	280	2-2	260	2•3	280	3•0	270	2•3	3•3	14
26	0 3-6	260	4.0	250	4.5	240	4.3	250	4•3	240	3•8	220	3•7	220	3•3	250	3.2	350	0•6	30	0.1	340	0.1	2•9	15
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22		220	5.0	210	5•4	210	4.7	210	4-9	210	4.5	210	3•5	200	3•0	200	3.2	200	2.0	200	2.2	190	1.3	2•3	16
17		200	5•1	200	4.9	200	5•4	210	4.8	200	4.7	220	4.5	220	3•0	200	1.5	200	1.2	210	2.2	200	0.2	3•3	17
22		230	5•0	220	5-1	210	5•0	210	3•8	220	3•8	220	3•2	200	1.8	230	1.7	230	2•3	220	2.7	220	2.0	2•5	18
23		230	7-Q	230	7•2	220	7.0	230	6•8	220	6.0	220	5•5	230	4•9	210	4•6	210	4•3	210	4.3	220	3•5	4.6	19
22	6.5	220	7•7	210	6•9	200	6-0	210	4-9	220	5•0	200	3•0	230	0-9	250	0•3	190	0.9	210	2.2	200	2.0	4.8	20
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16			11-5	220	9•5	250	6•8	250	4.2	230	3•5	210	3•2	280	2•7	220	1.2	340	1.3	340	1.2	320	1.5	4.1	21
21		200 270	2-7	230 360	3.0	220	4•8 2•2	210 90	3•3	210	2•3	210	3•4	210	2.5	200	2•3	170	1.5	360	0.1	320	0.7	1.7	22
4		60	0-4		0-1	70 70			3.0	120	2•2	80	1.4	40	1.9	20	2.7	10	2.6	10	1.5	10	2•3	1.2	23
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ľ	4-4	30,	3-7	40	2.9	40	2.7	40	2.0	50	1.5	50	1.2	360	0•5	350	0•4		0.0	170	0.5	190	2-8	2•7	25
23	3-0	250	1.5	230	2•3	180	1-5	130	1.0	20	1.5	30	3•2	20	4.9	360	4-8	360	3-8	10	3-7	10	2•3	4.7	26
24		250	5-8	230	4-8	210	7-1	200	5-9	210	5•4	230	3.1	270	1.6	340	1.8	360	0.7	20	0.4	60	0-1	3-4	27
4		30	4.5	360	3-0	310	1.5	170	0.4	240	2.3	270	2.5	260	1.8	280	2.4	250	0-7	260	2.0	260	3-4	2.1	28
21		220	6.8	200	7.5	210	7.0	200	6.8	200	5.7	210	4.5	180	2.2	190	2.2	180	2-7	180	3.2	190	2.9	4.5	29
22		220	7-2	220	8-0	230	7-3	210	7.9	210	6.8	210	6.0	210	6.1	210	6.1	190	5.9	200	5.3	220	5-3	5.8	30
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Ha (height of anemometer above M.S.L.) = Height of ground above

1 210 3-0 210 3-6 220 3-9 200 2-5 200 2-2 140 0-3 270 0-7 170 0-8 140 2-2 180 3-2 170 4-3 180 1 2 150 2-2 150 2-2 150 3-8 170 1-2 170 4-0 180 5-7 180 4-9 170 3-6 150 5-1 170 7-7 200 10-6 210 1 2 1 100 1-1 2 130 0-1 180 0-5 140 0-2 20 0-3 3 0-0 180 0-3 180 0-9 220 3-9 240 4-9 250 5-3 250 1 2 10 1-3 200 0-5 120 0-9 220 2-3 180 0-7 250 0-4 10 0-2 170 0-6 220 1-0 280 0-6 120 1-3 200 0-5 120 0-9 220 2-3 180 0-7 250 0-4 10 0-2 170 0-6 220 1-0 280 0-6 130 3-2 280 1-0 280 1-0 280 0-6 130 3-2 280 1-0 280 1-0 280 0-8 280 1-0 280 0-8 280 1-0 280 0-6 310 3-2 280 1-0 280 0-8 280 1-0 280 0-8 280 1-0 280 0-8 380 1-2 330 0-8 3 0-0 350 0-4 40 0-5 60 0-1 170 0-1 20 0-8 60 2-7 70 1-8 150 1-8 350 1-1 350 1-0 350 2-8 330 1-2 350 1-1 350 1-1 350 1-0 350 2-8 330 1-2 350 1-1 350 1-0 350 2-8 330 1-2 350 1-1 350 1-0 350 2-8 360 1-2 360 0-4 280 0-1 170 0-1 20 0-8 60 2-7 70 1-8 150 1-1 350 1-0 350 2-8 360 1-3 360 0-4 280 0-1 170 0-1 20 0-8 60 2-7 70 1-8 150 1-1 350 1-0 350 2-8 360 1-3 360 0-4 280 0-1 170 0-1 20 0-8 60 0-7 150 3-0 150 3-8 150 1-1 150 1-1 350 2-8 360 1-2 360 0-4 280 0-1 1-0 0-0 200 1-7 220 1-0 250 0-1 150 3-8 150 1-1 150 2-9 60 4-0 60 4-3 80 1-2 350 1-1 350 2-8 360 1-2 360 0-4 280 0-1 1-0 0-0 200 1-7 220 1-0 250 0-1 150 3-8 150 1-1 150 2-9 60 4-0 60 4-3 80 1-2 150 1-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 150 2-1 15												_								_					
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\$\frac{4}{5}\$ \frac{170}{5}\$ \frac{1}{210}\$ \frac{1}{320}\$ \frac{1}{0}\$ \frac{1}{200}\$ \frac{1}{0}\$: :					11·3 8·9
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7 240 0-3 330 0-8 0-0 350 0-4 40 0-5 80 0-1 170 0-1 20 0-8 80 2.7 70 1.8 100 8 350 1-1 350 1-1 350 1-2 350 1-1 350 1-2 350 1-1 350 1-2 350 1-1 350 1-2 350 1-1 350 1-2 350 1-1 350 1-2 350		90	0.8	350	0.5	340	0.6		0.0	360	0-1	30	0-1		0.0	110	0-1	250	0.3	340	2.3	350	2.2	310	1.7
8 350 1-1 350 1-0 350 2-5 350 1-2 350 1-2 350 1-3 350 2-7 380 0-7 380 1-4 100 2-0 130 3-0 150 3-6 150 3-6 150 80 10 80 0-8 10 1-1 380 2-8 380 1-2 380 0-4 280 0-1 0-0 200 1-7 220 1-0 250 0-1 190 2-1 190 11 190								1									1								1.4
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14 210 12-4 210 13-1 210 13-2 200 5-3 210 6-9 200 9-2 190 9-0 170 6-7 180 5-7 180 6-8 180 7-0 180 8-8 200 11-1 180 220 18-1 180 220 18-1 180 220 18-1 180 220 18-1 180 220 18-1 180 220 18-1 180 220 18-1 180 22-1 190 0-5 90 1-2 10 1-7 350 2-6 340 2-5 280 3-2 280 5-2 280 11-2 280 12-1 280 10-9 280 180 180 2-6 340 2-5 280 3-2 280 5-2 280 11-2 280 12-1 280 10-9 280 180 190 170 7-0 180 8-4 190 11-7 210 13-9 220 15-1 230 15-0 240 11-0 220 12-4 230 11-6 220 12-0 220 12-1 230 13-0 240 240		190	8-8	210	11.2	220	9-4	240	6-6	230	3•5	190	3-1	190	5-1	220	7-6	220	8-4	230					10-0
16		210	12.4	210	13-1	210	13-2	200	12-9	190	12-9	200	12-8	230	9-8	220	7-0								14.3
17	15	220	7-8	200	5.6	200	5•3	210	6.9	200	9.2	190	9-0	170	6.7	160	5•7	160	6.6	160	7-0	180	8.8	200	11-8
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22	ยา	230	3.4	40	1.0	160	0.8	90	0.7	350	0.8	360	0.2	350	0-1	330	0-2	190	0.1	190	0-1	100	0-1	160	1.5
23							1										7				6.2	10	5-0	`360	5.1
24	23								1											290	8-6	290	10.2	290	9-6
25																	0-4	360	0.7	70	2.2	80	3-2	80	4.2
26					4.0		3-8		3.5		1.8	300	1.7		1.0	20	1.0	350	2.8	340	5-1	340	5•0	340	4.5
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29 230 3·4 240 3·1 250 3·2 250 2·5 190 1·2 180 1·2 180 0·7 160 0·6 220 4·5 280 6·3 220 6·6 210 3·2 250 2·5 250 3·2 220 2·5 190 2·2 190 3·1 210 3·2 220 4·5 260 5·0 260 3·8 260 4·4 250																									6.1
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2	90	0.2	10	0.3	50	0.1	10	0-1	140	0.1	30	0-1		0.0		0-0	130	0.1	
3	100	5.3	70	4.9	60	3.9	50	3-6	50	3-3	10	1.4	20	0-7	140	0-3	160	0.7	1
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	31	240	7•7	230	7•1	230	10-4	230	10•0	240	7-4	240	6-6	230	6•7	220	8•2	230	10-2	220	11.0	220	9•4	220	9•8
	27 28 29 30	280 290 250 260	5.0 14.1 5.0 7.8	270 290 270 250	3•9 11•7 8•2 6•7	260 290 270 240	4·2 9·0 8·6 6·4	260 300 260 220	4·8 5·7 6·5 7·7	250 320 260 230	4·2 3·4 8·5 9·2	230 350 250 220	4.7 2.2 7.8 9.4	220 300 270 190	5•7 4•1 6•8 7•3	210 290 260 200	7·2 3·5 6·9 7·1	210 230 240 210	5•3 1•2 6•3 9•9	250 250 240 210	7.6 2.2 5.7 13.6	270 270 270 210	11.9 2.9 7.4 14.2	270 260 260 220	11.4 1.8 8.0 16.0
	21 22 23 24 25	190 170 180	2•2 5•0 0•3	200 170 190	2•1 4•1 0•4	210 180 190	0.6 1.7 1.8	230 180 200	0.2 1.8 1.3	210 180 230	0·3 1·6 0·1 2·4	200 180 190	0.9 1.3 0.0	190 170 210	1.2 0.8 0.0	200	1•7 2•2 0•0 5•0	180	2•3 2•2 0•0 3•6	160 190 	3.8 1.2 0.0	190 160 200	1·3 0·3 5·8	190 160 220	1.0 1.3
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	16 17 18 19 20	230 190 280 240 340	11.1 2.1 10.0 17.2 11.5	230 220 290 230 350	10.6 4.5 11.2 16.6 12.5	230 230 300 240 350	9·4 5·8 11·0 18·2 11·0	240 230 290 240 350	7•8 9•7 8•5 18•9 10•6	270 230 220 250 350	3.9 15.5 1.3 17.2 11.2	260 220 200 250 350	3.5 12.1 0.4 18.4 8.7	250 220 200 260 350	2•5 11•0 0•5 17•5 4•4	240 210 270 270 340	4·1 11·3 1·8 18·1 6·1	270 210 230 270 340	5•5 12•2 2•3 18•0 7•5	280 220 220 270 340	5•0 12•5 4•6 17•9 7•6	270 220 210 270 350	4.9 12.3 6.2 17.0 7.9	260 220 220 270 350	4.8 12.7 9.0 16.2 7.5
	11 12 13 14 15	240 180 240 240 230	7•2 2•0 10•6 12•1 6•8	250 180 250 250 210	5.8 1.9 9.9 12.5 4.9	230 190 230 240 230	7·3 1·6 7·1 11·0 4·8	240 250 230 240 220	6.8 2.1 7.4 10.1 5.0	240 200 240 240 220	7.0 0.4 7.9 7.8 6.6	250 160 240 230 220	7•3 0•8 8•8 6•3 5•7	250 210 220 220 210	7·2 0·2 5·4 6·2 4·1	240 210 230 220 200	8.0 0.5 5.1 6.3 3.2	240 210 220 200 200	9•5 3•3 7•4 5•4 7•5	250 240 210 190 180	6•7 6•0 9•7 5•1 5•2	250 230 210 220 210	8•4 7•7 9•9 7•3 8•9	260 220 210 220 220	7·1 8·2 9·3 7·0 10·2
	6 7 8 9 10	310 360 210 220 260	3·4 1·3 10·1 5·6 1·4	290 10 200 230 270	3·1 0·1 11·5 6·3 1·5	290 340 180 230 280	3·7 0·2 11·3 6·7 2·8	290 190 190 210 280	3.2 0.2 13.6 4.8 3.6	300 340 190 230 280	5.7 0.1 12.8 6.7 3.7	60 200 230 270	1.6 0.0 6.7 5.5 1.9	140 180 190 230 260	0.8 0.2 5.7 6.0 4.8	350 150 220 230 250	1.9 0.2 5.3 5.1 7.9	150 150 250 220 260	1.2 0.1 4.9 4.5 7.3	350 180 250 190 250	2.8 2.2 4.5 3.8 4.7	360 190 250 210 260	3.5 3.7 3.8 7.3 6.8	360 200 230 220 250	4.0 5.9 3.7 9.9 8.0
	4 5	350 20	0·8 4·5	350 20	0·5 2·7	340 10	0.6 2.0	340 10	1.2 2.8	350 10	1.8 3.3	360 10	1·3 3·7	30	1•2 3•2	230	0•5 4•0	280 360	0•8 4•2	20 10	2•1 6•2	60 20	4•0 8•2	10 20	3•0 6•4

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + h_a (height of anemometer above ground) = 235 metres + 15 metres

SEPTEMBER, 1935

					<u> </u>																				
12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
9 190 230 230 260 240	10.0 8.0 5.0 2.7	210, 240 230 260 280	m/s 4·2 9·0 8·1 5·2 3·2	0 180 240 230 260 300	m/s 2•6 7•9 8•0 5•1 4•2	0 150 250 230 270 310	m/s 2•7 10•5 7•8 6•5 5•0	250 250 230 270 340	m/s 2·1 10·2 7·6 5·2 3·0	70 250 240 270 350	n/s 1.9 7.1 6.8 4.1 1.0	30 230 230 260 310	m/s 2•0 5•8 5•5 3•3 2•0	240 240 260 350	m/s 1.7 6.1 4.2 3.1 3.2	90 240 240 250 360	m/s 1.3 6.6 3.3 2.1 2.5	220 210 260 20	m/s 4.0 4.7 3.1 1.3 0.5	230 240 250 20	m/s 5•3 3•5 1•9 2•5	0 140 220 210 180 20	m/s 4·1 1·8 1·3 0·4 0·6	m/s 2·9 6·1 4·9 2·8 1·8	1 2 3 4 5
280 50 140 100 180	1.8 2.5 3.1 3.2 3.2	290 70 160 100 190	2.5 3.1 3.0 3.0	290 50 160 100 200	3.0 3.4 1.9 2.5 3.6	290 70 150 90 200	3•9 4•2 2•1 3•6 4•8	280 70 180 90 200	2.5 5.0 1.6 2.4 5.1	280 70 150 90 190	2.8 4.3 1.3 1.6 3.8	280 60 320 340 210	2·1 2·7 0·7 0·4 3·6	310 350 10 10 200	1.2 1.8 1.6 0.7 1.5	350 340 360 360 190	0.6 2.4 3.3 3.0 0.4	50 350 360 360	0.5 1.9 3.8 2.6 0.0	110 360 360 10	0.5 1.8 3.4 1.2 0.0	180 360 360 10 170	0.4 1.2 3.3 1.7 0.1	1.3 1.8 2.2 3.0 1.9	6 7 8 9
220 160 220 230 200	3.7 2.8 10.8 12.6 13.8	200 160 210 230 210	2.5 2.5 12.0 15.0	150 180 210 230 200	0.5 2.5 11.4 14.5 12.0	190 200 210 220 210	0.8 2.8 11.9 13.6 9.7	170 190 210 230 220	0.2 2.9 11.8 13.3 7.2	340 160 210 230 220	0.2 1.2 10.9 12.3 6.2	10 180 200 230 220	0.6 3.6 11.2 10.5 4.9	20 190 220 230 190	1.1 5.8 11.0 10.7 3.0	340 190 210 230 200	1.7 5.0 10.9 12.7 3.8	340 200 210 230 230	1.2 4.7 12.3 11.3 5.8	350 190 200 230 220	1.5 5.2 10.0 11.1 6.4	360 180 200 200 230	1.6 7.6 11.1 5.3 7.0	1.6 3.2 9.6 12.1 7.6	11 12 13 14 15
230 280 250 240 250	10-2 9-3 9-0 14-8 8-9	230 270 260 250 260	9•4 10•8 8•2 14•3 10•0	210 270 250 250 250	10.0 11.0 8.9 13.0 12.3	210 270 240 250 260	9·4 11·5 8·7 11·2 10·2	200 270 220 250 270	7•7 10•1 4•8 10•7 9•5	180 260 210 250 260	5•2 10•0 5•5 10•0 7•6	170 260 220 240 260	3•5 10•0 8•1 10•9 6•2	150 260 210 240 260	2•7 10•1 5•4 6•9 4•8	110 250 200 240 210	5•0 10•7 6•7 10•0 2•7	90 250 200 250 180	6.0 9.2 7.9 7.2 1.9	110 250 190 240 180	10.0 9.0 8.0 7.7 1.5	140 250 170 250 230	6 · 2 8 · 0 6 · 3 7 · 2 2 · 1	7•8 7•6 8•0 11•2 7•7	16 17 18 19 20
190 360 280 70 320	2•3 5•9 8•5 4•6 3•3	180 350 270 80 300	2·1 5·0 7·2 6·5 4·9	160 350 270 80 320	2•7 5•2 8•4 6•6 3•3	160 340 290 70 330	3.5 5.1 8.1 6.8 2.6	170 320 280 40 320	1.7 3.6 6.0 6.4 2.5	150 280 270 40 350	0•8 1•8 3•6 7•3 1•9	80 290 260 30 360	0.9 5.8 3.5 7.5 0.7	110 290 260 30 300	1.8 5.8 1.8 8.9 0.3	70 300 220 20 340	2·3 6·5 2·0 6·6 0·2	80 300 200 20 340	2•8 6•3 2•5 5•5 0•6	310 240 10 340	3·3 4·2 2·8 2·8 1·2	30 310 360 350	3.5 5.3 0.0 2.7 0.1	1.5 5.3 6.2 3.5 2.5	21 22 23 24 25
180 220 210 210 240	2•3 8•1 10•8 8•2 7•4	170 210 200 200 240	3•8 7•6 7•9 8•3 6•7	170 210 290 200 230	4•8 8•2 7•7 8•9 7•7	170 210 290 210 260	5•0 6•7 5•5 9•3 5•0	180 220 280 200 240	4.9 6.6 4.4 8.2 4.1	180 200 270 200 230	4•9 3•9 3•5 7•4 3•9	180 210 260 200 210	4•8 5•1 4•3 8•2 1•9	190 200 270 210 180	4.5 2.8 3.5 8.3 0.1	180 200 220 200 230	3.5 2.5 1.8 6.8 3.0	190 200 190 200 200	6.0 4.2 2.1 10.1 3.2	180 200 230 180 190	5•7 4•0 2•1 8•5 2•6	190 190 210 170 190	5.9 3.2 1.5 6.8 2.9	2.5 4.4 3.6 5.8 3.9	26 27 28 29 30
	<u>6-8</u>		6•7		6•7		6•6		5•7		4•8		4-7		4-1	****	4•3		4•4		4•3		3•6	4•3	

							,															OCT	OBER,	1935	
10 160 180 30 10	m/s 6.8 5.4 1.1 4.2 6.6	10 160 200 40 10	m/s 6·5 6·3 2·3 5·0 7·2	0 10 150 200 60 360	m/s 5-9 5-8 2-5 5-7 7-0	10 150 230 60 10	m/s 5·8 7·1 2·7 4·2 6·0	360 140 250 40 10	m/s 4.0 6.4 1.8 2.8 3.9	0 350 140 240 30 360	m/s 3•4 5•2 2•2 4•9 2•2	350 140 140 20 340	m/s 3·4 6·0 0·4 4·7 2·7	90 20 350	m/s 1·2 6·2 0·1 4·1 2·0	0 10 110 20 20 80	m/s 0·3 6·3 0·2 3·7 0·5	110 10 20 360	m/s 0.0 6.8 0.1 5.1 0.8	350 120 350 20 340	m/s 0·4 7·5 0·4 5·1 2·5	0 10 110 10 20 330	m/s 0·4 7·2 0·2 5·0 3·4	m/s 3·6 3·6 1·8 3·0 4·0	1 2 3 4 5
360 210 230 220 250	5·1 5·8 6·7 9·3 7·5	10 220 230 220 230	5•2 7•2 7•3 7•6 10•0	10 220 230 210 240	5•1 8•1 6•2 6•9 11•2	10 230 240 200 220	4•3 8•9 6•0 8•5 9•8	10 220 240 210 250	3•5 7•6 6•6 6•7 10•4	20 210 240 200 280	2.5 6.8 5.2 4.2 11.1	360 200 230 200 270	3•2 4•7 4•3 3•1 5•6	20 200 220 200 240	2.0 5.7 4.1 2.9 6.9	50 200 230 200 230	1.2 5.8 6.2 3.0 7.2	360 200 230 190 240	1.9 8.0 5.3 3.3 7.3	350 210 230 180 230	1.7 9.1 4.6 1.7 5.9	350 210 230 210 230	1.5 10.0 4.5 1.8 7.2	3.0 4.2 6.7 5.5 6.4	6 7 8 9 10
260 220 210 220 220	6.8 9.0 10.1 8.1 10.1	250 230 200 220 220	8.0 9.2 10.9 8.3 10.6	250 240 200 220 220	7.0 9.5 10.3 10.1 11.8	260 230 200 230 220	5•4 8•7 12•2 8•0 11•3	250 230 200 230 220	6.7 7.8 13.3 7.2 12.0	250 230 200 220 230	5•7 6•3 12•9 5•8 13•3	250 230 200 210 220	3.6 6.8 15.1 5.6 12.7	250 240 200 210 230	2.0 7.5 15.8 5.3 10.5	210 250 200 210 230	2.4 8.8 15.0 3.4 10.3	220 240 210 220 230	3.2 8.8 13.0 5.8 9.8	240 240 230 230 220	3.0 7.2 14.9 7.1 10.2	210 250 240 220 230	2.0 8.6 14.0 6.9 9.9	6.0 5.5 10.7 7.4 8.6	11 12 13 14 15
260 250 220 270 340	4.8 10.8 10.8 15.8 7.4 6.5	260 270 200 270 340	4.8 5.6 11.4 16.2 8.6	260 250 200 270 350	4.6 6.4 10.8 12.8 8.9	260 250 210 280 350	5.2 7.9 15.0 13.8 8.3	250 260 210 290 340	5.0 8.6 15.2 15.0 6.2	250 270 200 300 350	6.0 8.7 15.0 14.6 3.8	240 270 210 310 180	6.2 9.0 17.9 14.1 0.6	240 260 210 310 310	4.9 6.6 17.3 12.6 1.3	230 270 210 310 300	4.2 8.8 19.1 8.5 3.5	240 270 260 340 290	6.0 7.4 15.3 10.9 2.5	250 270 240 330 160	6.2 9.5 11.0 10.0 0.4	200 260 240 330 310	2.6 9.0 13.7 10.7 2.1	5.6 9.2 10.0 15.3 6.7	16 17 18 19 20
180 160 170 170	2.8 5.2 1.5 1.3	180 170 170 180	4.4 5.2 1.4 1.4	160 170 190 210	3·1 5·0 0·8 1·9	170 160 170 230	2·2 3·1 1·2 1·7	160 160 170 210	1.5 3.0 1.2 0.6	170 170 170 210	0.8 3.4 1.5 0.2	180 170 170 170	0.2 4.1 1.0 0.2 8.3	190 160 180 160	0.5 5.0 1.3 0.2	190 170 170	0·7 5·1 1·8 0·0	200 160 170 180	0.2 6.2 2.0 0.1 6.1	180 180 180 180	1.6 5.5 2.0 0.2 7.6	170 170 190 240	2·1 5·0 2·2 1·0	1.3 3.4 1.8 0.6	22 23 24 25 26
270 260 280 240 220	12·1 2·2 11·5 12·1	270 270 270 240 230	11.7 2.9 9.5 10.2 9.8	270 220 280 240 230	11.6 3.1 10.9 10.7	270 210 280 240 230	11.9 3.4 7.2 10.4 7.6	270 190 280 240 210	12.4 2.2 8.9 8.3 4.1	270 210 270 220 200	11.2 2.2 8.4 7.7	270 180 260 250 220	12.2 1.3 7.2 9.8	270 210 250 250 250	11.9 4.6 6.6 7.5	270 230 260 230 230	11.7 4.5 7.2 9.2 6.3	280 250 260 240 230	11.6 4.5 6.8 10.0	290 260 250 240 230	11·2 4·2 9·2 7·7	290 250 260 230	12•3 4•5 6•3 8•8	9·1 4·2 7·7 9·5	27 28 29 30
	7•2		<u>7•5</u>		7-2		7•1		6•8		6-2		5•9		5•7		5•7		5•8		5•8		5•9	, 5•9	
12	12 - 13 13 - 14		14	- 15	1.5 .	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22 -	- 23	23 -	- 24	Nean	Day	

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

247. ESKDALEMUIR:

Ha (height of anemometer above M.S.L.) = Height of ground above

24/. ESAD	ALLEMO											a												
Hour G. M. T.	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 1 2 3 4 5	230 160 200 140 350	m/s 8.5 0.7 3.8 4.9 1.3	230 180 290 170 350	m/s 5·8 2·0 1·0 4·2 0·7	220 170 350 180 350	m/s 4·7 4·0 0·8 4·8 0·8	90 170 320 160 350	m/s 2.0 5.5 0.7 4.0 1.0	170 170 340 150 350	m/s 1·4 5·4 1·2 3·2 0·9	0 170 170 10 140 340	m/s 2•4 5•2 1•5 1•6	0 180 160 20 120 350	m/s 1.4 6.2 1.0 1.4 2.1	0 180 170 20 130 360	m/s 2•2 4•3 2•2 1•0 1•9	0 180 160 130 260 360	m/s 2.7 4.2 5.4 0.5 1.1	0 170 170 130 110 10	m/s 3•4 5•3 5•0 0•3	0 180 160 130 130 350	m/s 3.8 6.0 7.9 2.2 1.5	170 160 120 140 100	m/s 4·9 6·0 9·5 2·0 0·5
6 7 8 9 10	240 200 10 110 350	0.2 1.2 3.3 0.4 0.8	170 230 10 130 350	0.5 0.2 2.3 1.2 1.8	250 290 10 60 360	0.7 0.1 2.7 1.4 2.5	150 180 10 90 10	0·1 0·1 2·9 2·4 2·9	220 90 10 90 50	0.2 0.1 3.1 3.8 2.6	170 10 360 80 70	0.7 0.1 2.5 5.0 1.7	350 360 90 350	0·1 0·1 2·5 4·0 1·2	320 10 10 100 360	0•2 0•3 2•3 3•8 0•3	220 10 360 110 10	0·3 0·7 2·3 6·0 1·3	40 10 360 120 360	0.4 0.5 2.1 5.5 2.1	300 10 360 110 350	0.2 0.3 3.0 5.0 0.6	260 80 350 120 350	0.8 2.0 4.4 6.4 1.3
11 12 13 14 15	360 140 160 190 340	0·3 7·0 0·1 2·2 0·4	230 140 160 190 350	0.2 9.4 0.2 1.8 0.5	160 140 180 200 340	0.2 10.1 1.3 3.3 0.1	170 150 180 210 10	1·3 9·2 2·4 3·0 0·1	190 170 180 190 170	0.9 8.2 1.5 3.5 0.7	170 180 200 170 160	0.5 13.0 0.7 6.1 2.3	190 180 170 130	0.0 11.2 1.0 6.3 2.3	180 210 160 160 90	1.3 10.8 0.4 6.4 3.0	190 220 170 170 260	3.2 11.4 0.7 8.2 0.1	220 220 70 180 170	5.6 9.9 0.3 3.5 0.3	220 220 350 210 180	5•3 9•7 1•4 5•4 3•0	220 230 340 230 190	5.2 9.2 1.5 6.3 6.8
16 17 18 19 20	170 10 20 350 110	3.5 1.8 4.4 0.4 8.0	190 10 30 320 120	4.2 1.9 4.8 0.7 7.5	190 360 20 350 120	2.6 4.5 4.8 0.8 7.6	200 360 20 20 20 120	0•4 4•8 5•3 0•4 7•8	170 350 20 10 120	1.9 4.2 5.7 0:1 8.2	160 360 10 70 110	4.9 3.2 5.5 0.1 7.4	170 350 10 350 110	5.0 3.0 5.8 1.3 5.2	170 10 10 30 100	5•1 3•8 5•9 1•5 4•7	170 10 10 360 100	4 · 8 4 · 2 6 · 2 2 · 8 5 · 2	170 10 360 10 80	4.5 6.0 6.3 2.5 6.4	170 20 360 30 80	5.0 6.5 6.7 1.3 7.3	170 20 360 10 80	5.0 5.9 7.0 1.7 7.9
21 22 23 24 25	70 50 40 10 270	6.7 3.2 1.3 0.2 0.1	70 60 10 30	7·3 2·9 1·0 0·0 0·1	50 50 10 70	6•6 2•5 0•5 0•0 0•2	60 50 20 80	7•2 2•9 0•9 0•0 0•6	70 50 360 160	6.9 2.7 0.7 0.0 1.5	50 50 330 150	5.6 3.5 1.9 0.0 1.4	50 50 350 60 220	5•8 3•0 1•6 0•1 3•5	50 50 340 110 230	6•4 2•3 1•8 0•2 3•6	50 50 20 140 230	6•4 3•5 0•3 0•4 5•0	50 50 40 190 230	6.5 5.0 0.5 0.3 6.1	50 60 30 170 230	5.9 5.2 3.7 0.7 5.6	70 40 150 230	5.8 3.7 3.3 1.5 5.7
26 27 28 29 30	220 260 200 220 220 220	14•7 8•0 10•4 3•7 11•3	230 260 210 210 230	15.0 7.5 11.2 3.2 10.8	220 250 220 240 220	15•2 7•5 11•3 5•3 8•8	220 260 220 230 220	15•0 6•1 10•4 6•2 10•0	220 250 220 230 220	13•6 5•8 7•5 6•5 9•6	230 260 230 230 230 230	13-8 5-5 6-8 7-2 9-0	250 200 220 240 230	10.0 2.7 8.7 11.2 9.1	260 170 220 230 220	7•2 3•1 8•9 11•1 8•9	250 190 230 230 210	8.5 3.6 9.8 12.3 9.6	240 220 250 230 220	8•1 5•9 8•1 11•3 8•9	240 230 260 240 220	9-9 7-8 7-7 10-5 9-3	240 240 270 250 220	7•1 9•9 9•2 10•5
Mean		3•8		3•7		3•9		3•9		3•7		4•0		3•9		3•8		4-4		4•4		4•9		5•4

248. ESKD	ALEMU:	IR:	Ha =	235 m	etres	+ 15	metr	es											·					
Day 1 2 3 4 5	260 290 280 300 340	m/s 7·6 6·3 10·9 7·0 0·1	260 280 290 300 320	m/s 7·4 6·6 12·6 7·4 2·1	0 270 280 290 300 360	m/s 6·2 7·4 12·1 8·2 1·4	280 290 280 310 350	m/s 6•3 8•9 7•1 7•5 0•6	0 270 290 270 300 330	m/s 8·1 8·1 8·2 7·4 0·2	270 280 270 300	m/s 9•9 8•1 5•6 7•6 0•0	270 290 280 300	m/s 8·4 9·4 5·4 7·5 0·0	260 290 280 310 310	m/s 9.0 9.9 6.6 8.0 0.1	250 290 280 290	m/s 9•7 9•5 7•2 5•9	250 290 280 290	m/s 8·3 8·8 7·7 2·7 0·0	250 290 280 280 330	m/s 6·9 9·6 6·9 1·3 0·2	240 290 280 270 230	m/s 7·5 10·1 7·3 1·7 0·7
6 7 8 9 10	210 270 250 20 10	4•2 0•1 3•2 3•5 3•8	220 350 230 10 30	3·2 0·2 2·6 4·5 4·3	240 240 10 20	2•1 0•0 2•0 5•4 2•3	240 240 10 10	3•7 0•0 2•9 3•2 3•7	260 160 70 30	4·3 0·0 2·3 0·9 3·9	250 200 10 50	1.5 0.0 3.9 2.4 2.2	130 180 350 70	0.9 0.0 1.8 5.0 1.9	180 180 360 60	0.8 0.0 2.1 3.2 1.2	330 150 170 350 50	0•8 0•2 2•4 2•6 1•4	320 150 200 10 20	0•3 1•0 3•3 4•0 1•9	320 160 220 10 20	0-7 1-8 4-2 5-5 2-1	310 150 220 10 50	1.4 1.4 3.1 7.0 2.5
11 12 13 14 15	50 70 60 180 180	1.5 2.9 1.8 1.0 2.3	20 40 60 180 180	4.0 1.8 1.8 1.2 2.6	20 50 60 180 180	3.2 2.4 1.5 2.0 2.2	10 60 60 190 140	2 • 2 2 • 6 2 • 0 2 • 6 0 • 7	360 50 70 210 200	1•4 2•7 1•9 2•6 1•7	10 60 50 200 180	4.0 2.8 2.2 3.3 1.4	40 60 30 180 190	5·1 2·5 2·0 5·1 4·1	10 60 40 180 220	3.2 3.3 2.3 5.9 7.5	30 60 40 180 230	5.5 2.7 1.4 6.7 9.6	20 60 30 180 290	5.0 3.2 1.2 7.5 10.0	40 70 40 180 280	8.5 3.0 1.3 6.9 6.8	30 70 50 180 260	6•3 2•2 1•6 6•5 4•2
16 17 18 19 20	320 350 340 160	6•4 6•0 1•6 0•2	350 360 10 360 30	6•6 3•5 3•7 3•0 0•3	(330) 360 40 20 140	(6.0) 5.7 1.2 1.9 0.4	(300) 10 360 10 160	(5.0) 4.8 1.6 1.6 0.6	(340) 10 100 20 230	(5.0) 5.0 1.0 1.4 1.6	(360) 20 170 360 150	(3.0) 6.3 0.8 2.9 2.8	(360) 20 150 350 150	(3·0) 7·0 0·2 2·9 2·4	(360) 10 100 360 160	(2.0) 3.5 0.2 2.0 2.3	(360) 350 330 350 160	(4.0) 2.8 0.2 0.9 0.9	360 360 310 10 280	5.0 3.9 0.8 1.5 1.2	360 10 210 40 360	3.2 3.9 0.3 0.9 1.1	360 360 160 40 350	3.9 5.2 1.1 0.2 2.3
21 22 23 24 25	350 270 140 360 60	1·1 2·1 0·7 2·5 3·0	140 250 90 10 30	1.4 3.5 0.7 1.8 2.3	150 270 170 350 30	1.6 3.7 0.5 2.5 2.3	170 300 130 40 20	0.6 5.0 0.2 2.1 4.0	170 290 230 10 20	0·4 5·0 0·1 1·7 3·5	190 260 100 40	0•3 3•4 0•0 2•2 4•0	180 290 90 50	0.2 1.5 0.0 6.9 4.5	110 310 320 80 60	0.2 4.3 0.1 6.0 4.4	130 310 90 60	0·1 6·0 0·0 6·3 4·6	350 90 60	0.0 2.8 0.0 6.9 3.5	60 100 80	0.0 1.1 0.0 8.9 6.3	140 140 100 80	0•1 0•6 0•0 12•3 6•2
26 27 28 29 30	150 180 200 150 100	2·1 6·9 3·6 0·3 5·6	140 180 190 180 110	2.9 8.1 3.2 0.6 5.0	160 180 190 160 130	2.5 9.7 3.0 0.6 5.1	90 190 200 160 170	0.4 11.2 3.8 0.4 2.8	20 190 190 150 200	1.7 11.0 3.2 0.2 1.9	40 180 180 160 190	3.5 11.3 1.2 0.5 2.9	90 180 170 180 200	2•7 9•0 0•1 0•4 6•8	130 180 170 120 200	6.3 7.1 0.5 0.3 9.4	110 180 160 200	6•0 5•3 0•4 0•0 7•5	110 170 340 180 190	4.8 4.6 0.1 0.5 4.0	110 170 330 210 170	5•6 4•4 0•5 0•5 0•9	120 160 350 160	8•3 2•3 0•9 0•0 2•5
31	350	1•3	340	1•3	350	0•8	350	0•6	360	0•1	360	0•4	340	0•2	50	0•4		0•0	50	0•1	150	2•9	130	3-9
Mean		3•2		3•6		3•4		3•2		3•1		3•2		3•4		3•6		3•6		3•4		3•4		3•7
Annual Mean		4.0		3•9		3•9		4•0		4•0		4•0		4.1		4•4		4.8		5•1	•••	5• 5		5•7
Hour G. M. T.	0 -	. 1	1.	- 2	2 .	- 3	3 -	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	- 9	9	- 10	10	- 11	11	- 12

^{*} Values interpolated Anemometer head frozen.

18 - 19

8-0

1.0

2.1

0.2

210

190

130

260

150

19 - 20

5•0

7•0

1.1

8•0

0-1

210

190

130

360

250

350

20 - 21

2.8

7-0

6•3

1•8 3•4

0.3

210

200

140

330

270

350

21 - 22

1.8

6•6

1.5 1.6

0-1

180

190

130

340

270

330

22 - 23

6•1

1·1 1·3

0.1

200

190

130

350

270

340

Day

1 2

3 4 5

M.S.L. + ha (height of anemometer above ground) = 235 metres + 15 metres

15 - 16

7-3

0.5

3•2

3.6

190

190

130

80

160

190

16 - 17

2.5

6-6

7-0

1.0

4.2

2.3

200

190

120

170

200

20

17 - 18

5•5

9•8

0.8

2.8

Q•7

200

180

120

40

190

170

12 - 13

9-5

8-2

2.7

1-3

2-2

180

180

130

120

170

190

13 - 14

180

180

140

110

160

180

6-1

9-2

8•5

2•5 3•4

14 - 15

9-2

8-1

1.5

2-9

200

180

130

130

150

NOVEMBER, 1935

m/s 2•9

3•6

1.5

0.4

0.0

Mear

m/s

3.6

2.0

1.7

23 - 24

210

200

130

350

250

190 80 10 110 40	2.2 3.5 3.0 5.9 1.7	180 60 20 110 60	3.6 4.0 2.5 4.9 3.5	180 60 360 120 40	3.9 3.5 0.6 4.8 2.3	190 60 140 20	3.6 3.4 0.0 2.1 2.2	200 30 220 350 20	2•3 1•7 0•1 0•4 1•4	330 320 350	Q•7 1•0 0•0 1•7 2•2	360 330 360	0.2 0.7 0.0 1.0 2.4	350 40 330 10	0·1 2·5 0·0 0·4 1·7	350 20 10	0•3 1•8 0•0 0•0 2•5	330 30 350 360 360	0·1 1·3 0·1 0·2 2·1	340 40 10 350 10	0·1 1·7 0·1 0·5 0·8	20 350 350 360	0.0 2.7 0.4 0.6 0.6	0.9 1.4 1.7 2.8 1.8	6 7 8 9 10
200 230 330 240 200	5.1 8.6 1.5 6.9 5.1	210 240 350 240 200	4.6 7.2 0.4 7.0 5.3	210 220 10 220 190	3·3 6·1 0·2 5·0 2·9	190 200 3 6 0 190 190	2.8 3.2 0.4 2.5 5.3	190 190 340 200 190	4•3 2•2 0•6 2•0 4•1	210 210 340 190 190	4.7 2.8 1.0 2.1 3.3	170 200 350 190 210	1.0 3.6 0.1 1.9 3.6	180 230 20 210	1.5 4.8 0.0 0.2 4.7	150 200 340 210	4.8 2.5 0.0 0.2 5.2	150 180 60 210	5·1 1·7 0·0 0·1 0·7	160 180 100 180	4·1 0·5 0·0 0·1 2·2	140 170 190 360 190	6.0 0.1 0.5 0.1 2.2	3.0 6.8 0.7 3.5 2.7	11 12 13 14 15
180 20 350 100 80	5•7 5•5 6•6 0•9 6•3	170 20 350 80 70	5·1 5·3 7·2 2·0 5·7	190 20 340 70 60	4.0 5.5 6.6 3.5 5.9	180 20 350 70 70	3·2 5·5 3·7 3·6 5·3	190 30 340 70 60	0.4 6.2 3.3 4.1	190 20 10 80 70	0·3 7·3 1·8 3·3 8·4	90 20 230 90 70	0·1 6·3 0·4 4·6 7·7	90 30 350 110 70	0·3 4·9 0·8 4·3 7·6	330 30 10 90 70	0.5 4.8 0.3 4.7 8.1	10 20 10 100 70	0.2 4.5 1.0 2.8 7.9	350 20 100 110 70	0.8 4.8 0.9 4.9 7.7	360 20 270 120 70	1.6 4.5 0.2 6.8 7.7	2·9 4·8 4·2 2·5 7·0	16 17 18 19 20
40 60 20 140 230	4·4 4·1 2·3 2·4 6·3	40 50 30 170 230	4·3 4·4 2·6 2·3 8·7	50 60 20 170 230	3·5 3·3 2·1 2·0 10·0	60 50 10 150 230	3·3 2·1 1·0 2·2 9·8	50 70 10 220 220	4·3 2·5 1·4 1·4 9·7	50 60 360 220 220	4.8 1.7 0.6 1.3 10.3	50 70 360 150 230	4.5 2.3 0.8 1.5 12.1	60 50 340 150 200	4·2 1·7 0·1 1·0 7·5	60 70 10 150 210	4.0 1.6 0.1 0.7 10.3	60 40 160 210	3.0 2.6 0.0 0.2 9.9	60 10 10 120 210	3.5 0.4 0.1 0.1 11.0	60 30 10 280 220	2.9 1.8 0.1 0.1 13.8	5.2 2.9 1.2 0.8 6.4	21 22 23 24 25
240 220 270 250 220	11-2 6-3 8-1 10-0 9-2	230 240 270 230 220	9•9 6•7 9•3 10•1 8•8	220 230 280 240 210	11.0 5.4 11.0 7.2 7.1	230 210 280 230 200	11.9 6.2 10.7 8.9 6.9	230 220 270 230 190	11.2 7.0 9.9 9.1 7.6	220 220 280 230 190	10.6 6.3 8.9 9.5 6.4	230 220 280 220 70	10·1 6·9 10·5 6·4 1·2	230 220 270 210 330	11.0 7.6 6.9 6.5 1.8	230 210 260 220 310	10.9 6.8 6.4 8.2 4.2	240 200 250 230 280	9•1 5•6 4•9 10•6 6•5	240 200 210 220 260	8.5 7.6 2.4 11.0 6.7	240 200 250 220 250	8.5 3.6 10.9 7.4	11·1 6·3 8·5 8·6 7·9	26 27 28 29 30
	5•3	-	<u>5•5</u>		4•9		4•5		4-1		4.1		3•6		3• 3		3•7:		3•2		3•2		3•4	4.1	
									3			·					L					DECE	ŒER,	1935	·
240 290 280 230 260	m/s 6·4 10·0 7·6 2·1 3·5	260 290 300 220 200	m/s 10·3 10·5 8·7 3·2 3·3	250 290 290 290 200 170	m/s 9·9 12·6 7·3 1·3 2·3	250 290 290 290 210 180	m/s 9·1 12·4 8·2 2·1 1·0	250 290 290 290 200 250	m/s 7·2 13·4 7·4 1·6 1·0	300 290 290 290	m/s 8·4 14·6 10·1 0·0 2·1	90 290 290 290 270 200	m/s 11.6 14.9 7.9 0.4 1.7	310 290 280 350 170	m/s 11.5 16.4 5.6 0.1 1.7	290 290 290 290 270 220	m/s 12.9 15.8 3.3 0.2 3.4	300 290 320 160 220	m/s 12.0 15.4 1.2 0.2 2.0	90 290 90 90 330 220	m/s 10·7 13·3 0·8 0·1 2·9	290 290 280 250	m/s 7·6 13·4 1·4 0·0 2·6	m/s 8·9 11·1 7·0 3·5 1·4	1 2 3 4 5
170 210 20 40	0.0 0.8 3.0 7.1 5.0	10 180 220 20 40	0·1 0·2 2·8 6·2 4·7	190 200 20 20 50	0.0 1.4 2.8 7.2 3.9	190 230 20 40	0.0 1.8 1.5 7.4 5.4	290 190 280 20 30	0·1 1·4 2·6 6·8 6·0	190 320 20 40	0.0 2.8 4.2 6.5 6.3	180 310 20 30	0.0 3.5 6.8 6.3 7.4	210 320 20 40	0.0 4.8 4.0 6.2 6.3	200 360 20 50	0.0 2.1 1.5 4.5 5.0	300 200 360 20 50	0·1 1·1 3·4 2·9 3·0	350 230 50 10 350	0·1 2·5 1·2 3·5 1·5	360 270 20 10 30	0·1 4·2 4·4 3·1 2·8	1.0 1.3 3.0 4.8 3.7	6 7 8 9 10
50 80 60 180 240	5•9 3•2 1•5 7•8 7• 1	50 70 60 180 220	5•1 2•7 1•6 7•7 6•9	50 50 50 170 220	4.8 2.6 1.8 7.1 8.5	50 70 40 180 220	4.5 3.5 1.2 7.2 10.1	40 60 350 180 230	4.6 3.3 1.3 7.2 11.8	50 50 30 180 230	4·1 3·7 0·2 7·0 11·2	40 60 10 180 220	4.4 3.2 0.3 6.9 11.0	50 60 290 180 230	4.5 2.1 0.1 6.9 9.5	60 60 300 180 230	4.0 2.7 0.5 6.8 8.1	60 60 360 180 190	2.9 2.7 0.2 5.6 5.6	50 70 180 220	3•4 1•6 0•0 3•3 7•3	80 60 160 170 280	4.2 1.8 0.7 2.2 3.2	4.3 2.7 1.3 5.3 6.4	11 12 13 14 15
270 10 330 350 310	1.9 5.5 0.5 0.8 4.2	290 10 340 350 320	2.8 5.3 0.3 0.4 4.9	300 10 330 320	3•3 3•6 0•2 0•0 5•3	340 360 350	0.8 6.0 0.0 0.0 2.4	350 350 340	2·2 0·0 0·1 3·1	350 320 40 330	5.0 0.1 0.1 4.8	360 320 180 340	3•7 0•1 0•1 4•9	30 360 230 340	2•4 0•6 0•4 5•8	360 10 200 10	4·1 1·3 0·3 2·2	350 350 170 210	4.6 2.4 0.1 0.6	340 340 10 20 300	1.6 4.3 2.2 0.2 1.2	360 350 350 170 240	2.3 4.5 2.6 0.5 0.9	2.9 4.3 1.1 1.0 2.3	16 17 18 19 20
170 240 100 90	0·3 1·9 0·0 11·4 2·1	180 270 110 120	1.5 3.8 0.0 12.6 1.9	270 320 350 110 150	3.7 8.8 0.2 11.1 2.4	220 320 320 110 160	2.9 6.7 0.2 12.1 4.7	150 320 350 110 160	1.9 8.3 0.5 13.9 5.6	130 320 360 120 170	0.6 6.1 0.6 11.1 5.0	190 270 350 130 170	1.8 2.5 1.1 8.6 4.9	240 360 360 130 170	2.9 3.5 1.8 4.9 4.3	250 220 360 140 160	3.5 3.0 1.6 3.6 4.4	260 50 350 150 160	2·3 4·7 3·1 2·3 2·6	220 250 360 20 160	2.5 2.8 2.5 2.2	200 340 360 40 150	1.2 1.9 2.3 2.9 2.8	1·3 3·9 0·7 6·5 3·8	21 22 23 24 25
100 170 100 150	5.8 2.1 1.7 0.0 2.7	100 160 160	3·1 2·0 1·2 0·0 2·6	50 170 140 140 140	1.4 0.3 0.7 0.2 2.5	90 290 170 170 90	0.6 0.1 0.2 1.5 0.9	150 190 170 70	0.4 0.0 0.3 0.4 2.7	190 190 230 80 60	1.4 0.8 2.4 0.3 4.3	190 190 310 80 70	2·1 1·2 2·9 0·1 2·2	190 210 290 160 10	2·2 2·3 2·2 0·6 0·7	190 220 280 160 10	0·3 4·0 1·9 0·4 2·0	190 220 270 140 3 6 0	3.0 4.9 1.5 2.6 2.6	180 220 260 130 360	4•4 4•3 0•5 3•8 3•0	170 220 140 120 360	5·1 5·0 0·1 4·6 2·0	3.2 4.9 1.5 0.8 3.4	26 27 28 29 30
120	3•6	120	3•0	170	3•5	190	4.7	200	5•8	190	6•0	210	5•8	210	6.2	200	4.1	190	2•7	200	6•9	200	5•2	2.9	31
***	3•7		3•9		3•9		3•8		3-9		4•2		4.2		3-9		3•5		3•2		3•1		3.1	3•6	
19	5•9 - 13	1.2	<u>5-9</u> - 14	14	5•8 - 15	15	5•6	16	5•4	10	5•1		4.8	30	4.2		4.1		4.0		3•9		3•8	4.7	5 . –
	- 10	13	- 14	14	- 10	113	- 16	. 10	- 17	17	- 18	18	- 19	19	- 20	20	- 21	51	- 22	22	- 23	23	- 24	Mean	Day

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

	Jŧ	ın.	F	eb.	М	ar.	A	pr.	M	ау	Ju	ne	Ju	ly	Au	g.	Se	pt.	Óc	t.	No	v.	De	c.
Day	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in a Gust	Time of Gust	Max. in s 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
1 2 3 4 5	12 21	h m 4 55 6 25 21 40 0 25 7 40		h m 14 50 10 5 8 35 22 10 10 20	m/s 8 6 21 18 16	h m 15 30 23 40 17 55 23 55 15 40	21 18 19 19	h m 3 55 8 10 20 35 23 50 17 50	m/s 11 8 7 12 9	h m 14 50 13 15 19 20 13 50 12 50	11 14 11	h m 13 55 3 30 11 25 13 25 15 5	m/s 7 15 17 24 22	h m 15 5 13 5 14 35 5 5 6 25	m/s 7 11 13 12 10	h m 20 10 11 5 17 10 12 0 13 30	m/s 10 20 15 13	h m 22 45 15 40 11 25 15 25 15 20	m/s 14 13 11 10 14	h m 13 25 15 15 0 5 14 55 13 50	m/s 17 19 18 11	h m 0 20 12 30 11 45 1 5 18 25	27 26 14	h m 13 10 20 55 2 5 6 20 12 55
6 7 8 9 10	10 5 6	12 15 9 30 4 40 23 30 23 10	3 13	7 30 13 30 12 25 23 50 21 20	6 5 12 15 20	14 35 14 15 20 40 18 10 14 0	21 12 12 20 30	0 10 21 0 5 15 9 55 9 10	9 11 9 14 13	11 15 14 0 15 15 13 40 19 25	20 25 22 17 18	21 40 13 15 2 20 12 25 24 0	12 5 9 11 13	0 35 15 55 13 30 17 55 11 40	11 13 13 13 20	12 55 14 50 13 20 15 45 13 0	9 10 8 9	15 35 16 35 11 20 9 35 16 20	13 17 24 18 22	4 55 23 45 3 50 11 15 17 30	10 9 7 11 7	14 35 19 50 11 15 11 20 13 50	11 15 14	5 10 23 35 18 55 12 35 19 20
11 12 13 14 15	*(23) 8	10 35 8 10 20 50 22 40 0 5	26 22 26	22 25 4 15 24 0 7 30 10 0	18 10 11 13 7	10 25 9 0 1 10 11 10 3 20	33 15 9 11 14	12 20 2 10 23 5 8 40 12 10	14 15 24 21 25	3 35 10 15 15 50 10 45 22 25	20 17 17 15 12	17 40 1 0 12 10 16 35 16 50	6 8 13 9 12	18 55 13 10 12 45 16 5 15 5	17 11 12 10 10	9 10 17 40 12 25 12 0 11 50	8 13 20 23 21	99 30 23 45 21 10 10 5 12 20	17 17 26 23 21	7 40 20 45 19 30 1 35 18 0	15 21 5 15 13	13 5 5 35 6 25 8 45 16 5	8 5	10 55 12 50 4 40 12 10 9 55
16 17 18 19 20	11 9 9 8 6	1 20 21 45 0 30 0 40 2 5	28 22 29 28 28	20 50 0 10 3 35 5 45 5 10	8 5 15 15	13 15 7 10 13 45 16 20 3 45	15 14 10 10 18	23 5 0 45 10 40 4 30 15 35	21 16 15 14 17	0 5 23 10 19 25 17 30 12 45		12 10 9 30 10 55 13 10 9 15	12 15 14 12 21	10 40 15 25 12 15 12 15 17 25	9 11 10 13 13	15 5 13 15 14 30 12 5 9 30	19 26 18 28 23	10 55 16 50 12 5 12 5 14 20	24	0 55 4 40 21 0 8 0 1 20	11 14 14 13 18	12 15 10 10 8 50 23 50 23 5	13 11 6	1 30 5 45 0 40 1 20 19 10
21 22 23 24 25	22 28	4 15 21 35 15 15 19 50 23 20	25 19 16 17 25	13 15 13 30 3 35 23 35 4 30	13 20 22 16 25	10 40 31 20 4 25 5 5 22 10	. 9	16 55 14 50 15 35 14 50 16 45	12 13 15 16 16	5 15 15 30 8 0 13 15 12 40	9 10	10 15 14 10 23 10 14 20 0 35	17 12 18 9 15	7 50 10 5 14 20 1 45 15 55	9	13 25 15 5 16 15 4 20 11 45	8 13 19 14 10	15 40 21 25 15 15 19 0 9 30	15 10 11 9	13 35 0 50 21 10 0 30 2 0	16 10 7 6 23	0 55 8 55 10 35 14 50 23 50	15 5 24	14 35 21 50 21 45 13 10 11 0
26 27 28 29 30	5	3 40 1 55 13 45 5 45 14 40	16 21 9 -	14 20 10 25 10 30	29 21 12 12 15	0 10 0 5 14 25 9 10 8 55	7 8	6 45 17 15 14 35 11 25 12 50	15 13 14 12 13	14 40 16 50 13 40 14 30 15 40	15 14	23 25 5 20 16 30 12 30 4 50	13 19 20 13 8	15 35 13 40 20 40 0 15 12 30	17 14 9 13 14	8 50 13 10 13 15 11 20 13 50	11 14 20 17 16	23 55 12 0 11 30 21 30 13 10	23 27 24 28 26	16 5 12 10 0 15 16 0 11 25	25 19 28 22 19	2 25 1 5 18 50 8 5 0 5	18 7 9	10 50 2 40 0 15 23 30 6 55
31	27	17 35	-	-	19	2 0 1 0	-	, -	11	9 20	-	-	8	13 40	12	13 20	-	-	22	13 15	•	-	12	19 15

* Values interpolated: anemometer head frozen.

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

250. ESKDALEMUIR: h = 235 metres + 15 metres

1935

					DISTR	IBUTION (OF WIND S	SPEED				E	XTREME VE	OCITIES	3		,
Feb Mar Apr May June July Sept Cot Kov		More than 1	7-1 m/s. 10-8 to 17-1 m/s.			5.5 to 10.7 m/s.		Less than 1.6 m/s.	No Record	Hig	hest Hou	Highest Gust					
Month		Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer from N	Speed	Hour Ended	Speed	Date			
Jan.	•••	•••	11,25,26	hr 7	12	hr 89	hr 152	hr 291	hr 205	hr -	210	m/s 20	đay hr 11 11	m/s. 32	day 25	h. 23	m. 20
Feb.		•••	18,19	8	15	139	196	173	156	-	240	19	18 5	33	2	10	5
Mar.	•••	•••	-	-	8	48	240	302	154	-	240	16	25 16	29	26	0	10
Apr.	•••	•••	10	. 8	6	41	214	287	170	-	200	19	10 6	33	11	12	20
May	•••	•••	-	-	3	9	295	323	117		290	14	13 17	25	15	22	25
June	•••	•••	-	_	7	37	238	305	140	-	22 0	15	8 5	25	7	13	15
July	•••	•••	-	-	3	9	221	320	194	-	27 0	13	4 6	24	4	5	5
lug.	•••	, • • •	•		3	9	134	418	183	-	210	13	10 13	20	21	13	25
Sept.	•••	•••	-	-	8.	59	209	296	156	-	220	15	19 5	28	19	12	5
Oct.	•••	•••	18,19	12	15	83	277	247	125	-	210	19	18 21	39	19	8	0
Nov.	•••	•••		-	6	31	203	275	· 211	-	220	15	26 3	28	28	18	5 0
Dec.	•••	•••	-	- , .	6	31	147	33 0	236	-	290	16	2 20	.27	2	20	55
													T	+	Oct.		
Year			8	35	92	585	2526	3567	2047	-	210	20	Jan. 11 11	39	19	8	0

251. ESKDALEMUIR

1935

	J	n.	F	eb.	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	30 cm	122cm	30cm	122cm	30cm	122cm
	°A	°A	°A	°A	0 ▲	°A	°A.	°A	OA.	°A	°A	O.	°A ·	•▲	•▲	OA.	°A	°A	•▲	۰A	°A	٥A	°A	°A
1	79-5	80-7	76 • 7	79-4	76 - 1	79-0	79-6	79-3	81.6	79-9	84.2	81.7	88.1	83-3	88-1	85.1	87.0	85.7	84.0	84.5	80-5	82.8	78 • 5	81.1
2	79-8	80-7	77.4	79-4	76 - 3	79.0	79-0	79-2	81.8	79-9	84.0	81.7	87-6	83-4	88.5	85.1	87.1	85.7	83.5	84-6	80-2	82.8	78-2	81-1
3	80.0	.80-7	77-3	79-3	76 - 6	78-9	78-5	79-4	81.9	80-1	83.8	81.7	88·0 88·0	83·8 83·9	88-4	85·1 85·2	86 - 9	85·7	83·3 83·2	84.5	80-1	82.9	77.8	81.6 81.0
4	80-0	80.7	77.2	79.3	76 - 9	78-9	78-1	79-4	82·5 83·0	80-1	84.1	81.8	87.8	84.0	88-3	85-2	86 - 5	85.7	83.2	84-4	80·6 80·8	82·8 82·6	77.3	80-8
, 5	79-3	80.7	77-3	79-2	76 - 9	78-9	78-1	19.4	l ∞3.∪	80.5	****	01.0	0,.0	04.0	00-3	00-2	00.3	03-7	03.5	04.4	00.0	02.0	111.3	80-8
6	78-5	80-7	77-0	79-2	76-9	78-8	78-0	79-4	83-7	80-3	84.0	81.8	87.4	83-9	88 • 4	85-2	86 • 3	85-7	83-2	84-3	80-6	82.6	77-0	80-8
. 7	78-6	80-7	76 • 8	79-2	77-2	78-7	78-1	79-4	84-0	80-8	84.3	81.9	87.1	84-0	88-5	85-2	86 - 0	85-6	83.1	84 - 2	80.0	82.5	76・8	80-9
8	77-6	80-7	76 • 4	79-2	77-8	78-7	78-0	79-4	84-1	80-5	84.3	82.0	87-8	84.1	88 • 7	85.1	85 - 7	85.5	83.2	84.2	79.9	82.3	76 - 7	80-9
9.	77-1	80-6	76 • 2	79.2	77.7	78-8	78-3	79-3	83.3	80-6	83.8	82.1	88 • 4	84.1	88-9	85-3	85.5	85-5	83-0	84-1	80-0	82.6	76 • 6	80-8
10	76-9	80-5	76 • 3	79-1	77-3	78-8	78-9	79-2	83-8	80-7	84-0	82.1	88•6	84-1	88-9	85-2	85-4	85-4	82-7	84-1	79-6	82-4	76-6	80-6
11	77.2	80-4	76 • 8	79-0	76 - 9	78-8	79-0	79-3	83-6	80-9	84.0	82.1	88 • 2	84.2	88-4	85-2	85 • 4	85-4	82.3	84-1	79-6	82-3	76-7	80-€
12	77.5	80-3	77-3	79-0	77-0	78-8	79-0	79-3	83-8	81.1	84.0	82-1	88-8	84.3	88-3	85-4	85 - 7	85-4	82.0	84-1	79•7	82-2	76-3	80-3
. 13	77-1	80-2	77-7	79-0	77-1	78-8	79・1	79-4	83-4	81.1	84-0	82.1	89 • 4	84-4	88-0	85.4	85-8	85-3	81-9	84-1	79-6	82-2	76-8	80-2
14	76 - 9	80-2	77-9	79-0	77-2	78-8	78-8	79-4	82.7	81.1	84.2	82-1	89-8	84.6	88.0	85-4	86.0	85.3	82.4	83.8	79-2	82.1	76 - 7	80-1
15	77-2	80-1	77-8	79-1	77-4	78-8	78-6	79-4	82.0	81.1	84.4	82.3	89 • 2	84-7	87-8	85-4	86-0	85-3	82-6	83-8	79-0	82-1	76 - 7	80-1
16	77-7	80-1	78-2	79-1	77-4	78-8	78-9	79-2	81.3	81-1	84.9	82.3	89 - 2	84-7	87-6	85-4	85-8	85-2	83-0	83 - 7	79-0	82-1	76-6	80-1
17	77-8	80-0	78 • 4		77-5	78-8	78 - 7	79-3	81.3	81.2	85-0	82.2	88.8	84-7	87-7	85-4	85.7	85.1	83-0	83.7	78-8	81.9	76 • 5	80-1
. 18	77-7	79-9	78-4	79-1	78-1	78-8	78-8	79-3	81.3	81.2	85.0	82-4	88-2	84.7	88-1	85.5	85-3	85-2	82-8	83-6	79-0	81-9	76 - 3	80-0
19	77-8	79.9	78-9	79-2	78-6	78-8	79-3	89-4	81.5	81.1	84.4	82.5	88.0	84-9	88-6 88-7	85.5	85-2	85·1 85·1	82·7	83·6 83·7	79·1 79·0	81.7	76 · 4 76 · 2	79-9
20	77-7	79-9	79-0	79-2	79-0	78-8	80-0	79-4	81-6	81-1	84-6	82.5	87•8	84.7	00.1	85.5	85-2	09.1	02.0	03.1	19.0	01.1	/6.2	19.
21	77-6	79-9	79-0	79-2	79-3	78-9	80.3	79-4	81.8	81-1	84-8	82-6	87-5	84.8	88-9	85-7	85-0	85-1	81.0	83-6	79-3	81.7	76-0	79-9
22	77-5	79-9	78-6	79-2	79-2	78-9	80-6	79-3	82 • 4	81.1	85.0	82.7	87.2	84.7	88-6	85-6	84-7	85-0	80-3	83 - 5	79-3	81.6	75-9	79-8
23	77.4	79-8	78-0	79-3	79-4	79-0	80-6	79-4	82.7	81.1	86 - 2	82.6	87 • 5	84.9	88 - 7	85.7	84.5	85-0	79-9	83-5	79.2	81.6	75-7	79-1
24	77-7	79-8	77.7	79-2	79-4	79-0	80-9	79-6	82-6	81.1	87-4	82.7	88-1	85.1	88-2	85-6	84.2	85-0	80-1	83.2	78.6	81.5	75-6	79-7
25	78-1	79-8	77-1	79-2	79-7	79-0	81-0	79-7	82-8	81.2	88.0	82-8	88-5	85•0	88 • 9	85-6	83-9	84.9	80-4	83-2	78-0	81.5	75-6	79-6
26	78-0	79-9	76-6	79-1	79.7	79-0	80-7	79-8	83-0	81-1	88-2	82-9	88 • 5	85-0	88-7	85.7	83 - 7	84-9	80•5	83-1	78-0	81-4	75-5	79-
27	77-2	80-0	76.3	79-1	79-6	79-1	80-9	79.9	83-2	81.2	88 • 4	83-0	88-3	85-1	88•3	85.7	83-6	84-8	80-9	83-1	79-2	81.4	75.5	79-4
28	76 - 8	79-7	76 - 2	79-1	79-4	79-1	81-0	79-8	83-7	81.2	87-3	83.1	88 • 1	85-1	87.7	85.8	84.1	84.8	81.6	83-0	78.6	81.3	75.5	79-2
29	76 • 6	79-7	-	-	79-5	79-2	81.0	79-9	83-1	81.3	87-6	83-2	87.7	85.1	87-5	85.8	84.2	84.8	82-0	82.9	78-9	81.3	75.4	79-2
3 0	76 - 3	79-5	-		79-4	79-3	81-4	79-9	83-1	81.3	88-0	83-3	87-4	85.1	87.4	85-7	84-2	84 - 7	81.7	82.8	78-8	81.2	75-5	79-1
31	76 - 4	79.5	-	-	79-5	79-3	-	-	84-0	81•4	-	-	87-7	85-1	87• 0	85 • 7	-	-	81•2	82.8	-	-	75-8	79-2
Mean	77-8	80-2	77-4	79-2	78-1	78-9	79-4	79-5	82-7	80-9	85•2	82-3	88-2	84.5	88•3	85-4	85 • 4	85-3	82-2	83-7	79-4	82-0	76 - 5	80-2
,	<u> </u>		The	initia	1 2 00	3 00 +1	he res	dings i	a omi+	ted, i.	27	5.0 deg	rees e	bsolute	is m	itten 7	5.0.		L		Ve	ar	81.7	81.9

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

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1935

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	° <u>A</u>	°A	°A	°A	· · · · A	°A	°A	° <u>A</u>	°A	°A	· · · · · · · · · · · · · · · · · · ·	°A
i	76 - 2	75-1	74-0	75-0	77-8	73-2	83-1	75-8	82-4	72-4	71-2	71.8
2	81-0	77-3	73-3	72-1	74-9	72-8	94.7	77-3	83-8	68-0	70-5	71.2
3	79-2	67-3	74-0	70-8	75-1	78-9	79-9	74-8	78-7	79.0	71-1	72-9
4	76 - 4	73-8	69-9	71.0	73-3	75-2	84-8	77-0	75-0	71-2	78-8	72-0
5	71-5	72.9	72-6	69-9	75-6	80-0	85.2	85-6	75-2	79-5	70-7	65-2
6	68-0	72-2	71-4	70-5	77-0	76.0	81.2	81.6	72-0	73-6	66 • 5	70-3
7	69-8	65-2	75-2	67-6	78-2	81.3	74.2	77-0	71-6	75-1	72•0	62.5
8	67-8	68-1	69-0	74-4	71-1	79-9	79-2	81-9	69-9	78-2	72-0	72-2
9	64-8	71-0	72-0	74-3	72-8	68-9	77-0	77-4	76.0	73.3	74-3	71-0
10	70-8	70-7	72-8	79-0	77-8	78-2	77-8	83-5	74.0	73-2	68-3	72-4
11	77-2	76-3	72-8	76 - 4	76 - 7	82-0	74-9	86 - 5	78-1	75-2	75-1	69-0
12	69-8	78-0	68-8	71-7	75-1	79-2	80-4	80-0	79-3	71.0	75-8	75-0
13	62-9	72-9	_70∙1	67-6	66-8	80-3	84-9	72-0	79.0	79-0	71-1	73-7
14	72-1	74-9	70-2	74.7	71-3	-	78-1	83-1	83-6	80-9	72-0	72 - 7
15	75-6	74-4	72-5	70-8	63-3	75.0	82.1	80-4	81.8	79-8	69-5	72-0
16	77.3	79-9	70-0	74-8	69-7	75-5	82-0	75-5	79-8	82.2	72-2	68-6
17	69-0	74.7	76 • 1	75-2	(71.0)	76 • 2	81.0	87-0	78-6	74.2	70-2	61.2
18	76 • 4	78-8	76 • 6	74.2	70-8	78-1	78 • 7	85-4	80+9	70•6	77-0	63-0
.19	75- 0	79-8	79-8	75-7	7 0•0	70-7	75-9	84 - 8	82-1	77・4	72-3	66 - 2
20	73 - 7	77-0	75-4	78-0	68-8	84.1	83-6	87-0	82-2	71.0	74.0	61.3
21	71-6	76 - 9	74-2	78-4	75-1	83-5	79-8	82-1	71-2	64-8 68-2	77-5	61.1
22	69-0	69-9	77-8	73-7	71.0	85-5	75-0	73- 0	80-6		72-2	65-0
23	74.7	68-6	76.0	76 - 7	7 6 • 7	85-9	83-4	73-1	77-5	69-6	70-8	60-0
24	76 • 8	61-9	75-2	77-0	72-3	86 - 1	80-0	82-2	70-4	77-8	62·7 68·1	60·0 73·0
25	73- 0	72-4	79-0	69.7	78-1	86 • 0	75-3	86 • 3	72-0	76.0	68-1	73•0
26	69•0	60-8	77-9	75 - 5	76 - 6	84 - 2	82-4	79-8	69·0 79·4	75.6	76 • 2	76 • 0
27	69-0	70-1	75.8	76 • 1	76 - 3	85-4	86 • 4	76 - 6	79.4	78-0	74.0	75-9
28	61-8	73-0	68-3	72.9	74.2	83-2	81.3	70.2	83-0	79-6	77-9	76 • 5
29	72.1	-	75.7	74.3	77-0	01.5	76 • 6	75-9	72-0 76-6	81-3	75-6	72-0
30	66-1	•	76 • 5	72-0	76 - 9	81-5	71.7	78-0	70.6	73-2	72-8	70 - 5
31	74 • 2		78-6	-	74-0	-	71-9	82-2	-	72 • 7		70-8
lean	72.0	72-6	73-9	73-7	73-7	79-5	79-7	79-8	77-2	74-9	72-4	69-8

Notes. - (1) The initial 2 or 3 of the readings is omitted, i.e., 275-0 is written 75-0.

(2) The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.

(3) Annual Mean 274-7.

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		Cloud Forms					orma			. 1	/isib	ility				P	recip	oitat	ion.		Remarks on the Weather of the Day.
Day	7h	13h	18h	72	96	134	15 b 1	8b 21	71	92	13	15h	1 81 -21	h 7	7h	9h	13b	15h	1 8 h	21h	1
1	Frnb: Nbst	8t	Frnb: Mbst	10 10	10	10	10 1	0 10 3 4 0 2 1 1 7 5	Ī	F	h	I	ŢŢ	T	- 1	•		•°	•°	d _o	$c \oplus m_0$, odm_0 $a : od$, $o \oplus {}^{\circ} p : c \oplus {}^{\circ}$, cd_0m_0 n .
2	St: Stou: Most	Steu	Stcu St	10		10	911	0 2	17	h	7	7	l l G k	1:					d,	:::	c, idm _a a : cm _a , cd p : cd, b w.
3	Stou: Ast:Cist Stou	Frst: Steu Freu: Steu	Steu	3	i	ĭ	il	ĭlī	k	ī	13	3	jį	١.		- 1		ļ			bc, bq a: b p and n.
5	Steu: Acu	Frst: Cist: Ci	Steu	ĭ	8	7	7	7 5	1	-		k	j I	1		•••	•••				be $a : bc p : bc = n$.
6	Cu: Steu	Cu: Steu	Steu	1	2	9	8	2 9 3 1 2 0 0 10 0 10	k	k	1	1	k k	1						г .	b, c $a : \operatorname{cp} \bullet^0$, b $p : \operatorname{p} \bullet^0$, p $\bigstar^0 n$.
7	Sten	Frst: Steu	Stcu	1	1 1	9	8	3 1	1:	1	17	‡	취	1.		:::	••••	•••			b, cp $\ a$: c, bc $\ p$: bc $\ n$. bL, cm, a: bcm, bL $\ m$,
8	Frst: Acu	Frst: Ci	Frst St	120	امدا	36	12/1	2 10	1:	G	10	å	: ;	1:			•••			•	ol_m _a $a : om_a p : ol_m_a, o o m_a n$.
9 10	St Frnb	St Frnb: Nbst	Frst	10	10	10	10 1	0 10	Ī	3	Ī	Ĭ	i	1				d _o			$\operatorname{ci} \bullet^{\operatorname{o}} \operatorname{m}_{\operatorname{o}} a : \operatorname{c} \bullet \operatorname{m}_{\operatorname{o}}, \operatorname{d}_{\operatorname{o}} p : \operatorname{cm}_{\operatorname{o}} n.$
11	St: Steu	Frnb: Nbst	Frnb	10	10	10	9 1	0 10 2 5 0 10 5 5 0 10	k	į	3	k	h F				● °		*	i *	$cq \longrightarrow a : cq \longrightarrow n, 0 p : i \longrightarrow n, i \times m, n.$
12	Steu	Cu: Ci	Ou: C1	3	1	3	4	2 5	l k	1	<u> } </u>	k	k j	1.					••	d _o	\mathbb{R} 11 cms. c\(\dagger early, bc \(\alpha \) i bc, b \(\rho \): b, bc \(n \). \mathbb{R} bc: \(\dagger, \(\dagger^0 m_0 \(\rho \): c\(\dagger^0, \(\dagger^0 m_0 \(\rho \): c\(\dagger^0, \(\dagger^0 m_0 \(n \):
13	Cī	Mbst	Frnb: Mbst Steu	1 5	15	10	76 l T	0170	1:	13	1	G	חום	1			* °	*		- Co	c a : c, b c p : b c c n.
14 15	St: Steu Steu	Steu Steu	St.	7	9	9	4 1	0 10	k	ī	31	ī	k j h h l l C D							:::	bc, ca; bc, oFe p : oFe, fe m.
	}											- 1	1	1	- 1	1	đ,				c , od_0m_0 a : od_0m_0 , cm_0 p : of e n .
16	Stcu	St Sten	St: Stou Stou	140	اءً ا	10	1012	9 9	12	12	12	† [GD	1			α,				$b \sqcup c a : c \not b and n.$
17 18	Ci Stea	St. Steu	Steu	120		10	10 1	0 10	13	lî	G k k k	I k j I	j j k k				d.				c. cda a: cdac p: c, ida n.
19	St: Stou	St: Stou	St: Stou	10	9	10	10 1	0 10	13	k	k	3	1 1				d₀ d₀	d,	d,	d.	cid, a, p and n.
20	Stou	St: Steu	St: Steu	10	10	10	10 1	8 9 0 9 0 10 0 10 9	j		1 1		- 1		- 1	- 1					c, cm ₀ a: cm ₀ p and n.
21	St: Steu	Ci	Steu: Ci	9	10	6	4	5 6 1 7 9 9 0 10 4 0	1	1	k	k.	k k	1.	 ●°]	cm, be a: be p and n.
22	Stou	Steu	8t	10	9	10	röl	1 7	13	13	K.	£	E J	ŀ	ا ٠٠٠		•••	ļ		:::	$c \sqsubseteq i$, $c : a : c$, $b : p : b$, $b : n$. $c p \bigoplus 0$, $c : a : b : c : c : p : c : c : n$.
23	Steu Frnb: Ast	Frst: Acu: Cist Frst	Steu: Acu: Ast Frnb	130	120	10	داده	0 10	12	1	5	7		li	•	T.	ď		d	•	$c \bullet \circ$, d, $d_0 a : cd$, $d_0 m_0 p : cd m_0$, $\bullet = n$.
24 25	Cu: Steu	Sten	Cu: Stou	ĕ	7	e l	io	4 0	ĥ	ĭ	3	á l	īļi	D.	×۰	*•		*			\bullet early, ci \star a: ci \star , bc p : bc, b n .
																Į		ı			bcp **a : bc, p **p : bn.
26 27	Cu: Steu Steu	Steu: Ci Cu: Ci	Sten	1	3	7	7	0 0 2 0 0 10 1 0 9 4	1:	1	2	I k I j	k j k g g j i k k	1.	þ			ν π		:::	R 3 cms. ba, p and n.
28	Acu: Ast	Stou: Ast	St	7	10	10	10 1	0 10	k	k	Ξĺ	Ξl	GG	L				d.			bc, $c *^0 a : c *^0$, $od_n m_n p : od_n m_n$, $om_n n$.
29	Steu	Steu	C1	8	9	1	1	1 0	j	k	1	1	j I	١.			·				$i \bullet^{\circ}$ early, c, $ba : bp : b$, $b \sqsubseteq m_{\circ}n$.
30	St	St	Steu	10	10	10	9	9 4	7	E	C	1	k k	4	d,	••					odomo, oFa: oF, cp: c, bcn.
31	Steu	Cu: Stou	Cu: Stou	4	3	7	5	5 4	k	-	k	k :	k k	Ŀ			··· I	●°	P●º		p⊕ ⁰ early, bcya: bcp⊕ ⁰ p: bcp⊕ ⁰ , bcn.
Mean			,																		
Cloud Am'nt.				6-8	7-4	8-0 7	• 46	46-1	ŀ	1	1	- 1	-1	1		- 1		1	1		

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FEBRUARY, 1935

1												_						<u> </u>		
1 2 3 4 5	Frnb: Nbst Frst: Steu Steu: Acu: Ast Cu: Steu Frst: Etcu	Steu Cu: Steu: Ci Frst: Steu Frst: Steu Frnb: Rbst	St: Steu Cu: Steu: Acu Frst: St Cu: Steu Frst: Ast: Acu	. 1			1 1	- 1	h I 1 1 j h j k	1	1 1 1 1	- 1				 p * d₀ 	 d₀ *	d. •°	d₀ ••° ···	$c \oplus^{0} m_{0} = a : c = p : cid_{0} = n.$ $p \oplus^{0}, p \neq q = a : bcq, p \oplus^{0} p : bc, b n.$ $c \oplus^{0}, d_{0}m_{0} a : cid_{0}, \oplus^{0}m_{0} p : ci \oplus^{0}m_{0} n.$ $cm_{0}, c : a : bc, ci \oplus^{0} p : ci \oplus^{0}, b = n.$ $p \oplus^{0}, +, \neq a : c + m_{0} p : cp + n.$
6 7 8 9 10	Frnb Acu: Ci Steu: Acu Steu Frnb: Ast	Frst: Steu Acu: Ast: Cicu Acu~ Steu Steu: Ast	Steu Acu: Ci Ast: Acu Steu: Ci Frnb: Nost						h l h h h I h h		j k j I	i	k j I	i ≭ •°	*°	d ₀	 •°	 		$ci \not\models^0$, $p \not\models^0 a : p \not\models$, $p \not\models$, $bc \not p : bc n$. $bi \downarrow$, $ci \mapsto \not\models^0 a : bc$, $bi \models^1 bi \downarrow$, $ci \mid n$. $ci \not\models^0$,
11 12 13 14 15	St: Steu Frnb: Nbst Frst: Steu: Nbst Cu: Steu St: Steu	Frst Steu Steu: Acu: Ast Cu: Steu St	Frnb: Wbst Steu: Ci Frst: Steu Cu: Steu Frnb: Kbst	B 1		•	, ,		h k h I j l I I		n k	k I 1	1	 • • •	 ••	 d	 •	•° d₀	 id ₀	c, $\operatorname{id}_0 f a : \operatorname{cm}_0$, $\operatorname{c} \bigoplus^0 p : \operatorname{ci} \bigoplus^0 n$. cd, $\operatorname{p} \bigoplus^0 a : \operatorname{cp} \bigoplus^0 p : \operatorname{cp} \bigoplus^0 n$. c $\bigoplus^0 \operatorname{m}_0$, c a : c, $\operatorname{cd}_0 \operatorname{m}_0$, $p : \operatorname{cd}_0 \operatorname{m}_0$, $i \bigoplus^0 n$. c \bigoplus , $\operatorname{bc} a : \operatorname{bc} p : \operatorname{bcp} \bigoplus^0$, c n . c \bigoplus^0 , $\operatorname{odm}_0 a : \operatorname{odm}_0$, c \bigoplus^0 , $\operatorname{cd}_0 n : \operatorname{cd}_0 n$.
16 17 18 19 20	Frnb Frst: Steu Steu Frnb: Nbst Frnb: Kbst	Frnb: Nbst Frnb: Stcu St Stcu Frnb: Nbst	Frnb Frnb St St: Steu: Ast St: Steu	10 9 10 10 10	10 1 10 1 10 1 10 1	0 10 0 10 0 10 8 7 0 10	10 10 10 10	1010	i h k I k h h h	i h i i	h J D I	G k	g	• •°	••••	• d₀	•	• d	•	$\begin{array}{lll} \mathbf{c} \oplus \mathbf{m}_0 \ a : \stackrel{\bullet}{\bigoplus}_0, \ \mathbf{i} \oplus^{\mathbf{a}}_{\mathbf{p}} \ \mathbf{j} : \mathbf{c} \oplus_{\mathbf{m}_0} \ \mathbf{h} . & \mathbf{m}_n. \\ \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{m}_0} \ a : \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{m}_0} \ \mathbf{p} : \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{m}_0} \ \mathbf{m}_0. \\ \mathbf{c} \oplus_{\mathbf{m}_0} \ \mathbf{d}_0 = \mathbf{m}_0 \ \mathbf{m}_0, \ \mathbf{o} \in_{\mathbf{m}_0} \ \mathbf{p} : \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{m}_0} \ \mathbf{n}. \\ \mathbf{c} \oplus^{\mathbf{a}}_{\mathbf{n}_0} \ \mathbf{m}_0 = \mathbf{m}_0 \ \mathbf{m}_0 \ \mathbf{p} : \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{m}_0} \ \mathbf{n}. \\ \mathbf{c} \oplus^{\mathbf{a}}_{\mathbf{n}_0} = \mathbf{m}_0 = \mathbf{m}_0 : \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{n}_0} \ \mathbf{p} : \mathbf{c} \otimes^{\mathbf{m}_0}_{\mathbf{n}_0} \ \mathbf{n}. \end{array}$
21 22 23 24 25	Frnb: Steu Frst: Ast: Cist Cu: Acu: Ci Steu St: Steu	Frst: Stou Cu: Stou: Ci Cu: Ci St Cu: Stou: Ci	Frst: Acu: Cist Cu: Acu: Ci Ci Stcu Cu: Stcu	10 10 8 10 10		7 8 5 4 0 9	10 9 1 7	8 2 0 10 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; 1 1	k 1 1 1	k	ž 1		 *	●° i X			p● ⁰	c, ci \oplus a : p \oplus a : bcy ϕ : cp \oplus a . c p \bigstar \ast bc a : bcy \oplus \ast cq ϕ : c, b n . $\textcircled{\#} 2$ cm. c, bcy a : bcy, b ϕ : b, b n . c d. \ast \ast \ast \ast \ast \ast \ast \ast \ast \ast
26 27 28	Mancu: Ast Frnb: Nbst	Freu: Ci Frnb: Nbst Frnb: Acu: Ast	Stou: Ast Prst: Stou Stou: Aou: Ast	0 10 10	1011	7 7 0 10 9 10	9 10	910	k k k G I I	k h j	i i	I :	il	 i ●	 ∀°	d₀ ₩°	 		d ₀	b, bcy a : bcy, $c p$: $c n$. cy, $c \underset{\bullet}{*} e m_{\bullet} a$: $ci \underset{\bullet}{*} e m_{\bullet} p$: $cm_{\bullet} n$. $ci \underset{\bullet}{\bullet} e$, $id_{\bullet} m_{\bullet} a$: cid_{\bullet} , $p \underset{\bullet}{\bullet} e m_{\bullet} p$: c , $od_{\bullet} m_{\bullet} n$.
Mean Cloud Am'nt.				8•7	8-6 8-	284	7-87	7-3				\downarrow	1							
Day	7h	134	18h	Ш	ᅶ		Ш	215	7h 9i	13b	15h 1	8h 2	1b	7h		13h		Ļ	21h	Remarks on the Weather of the Day.
		Cloud Forms			Cloud (All	Form				Visit	oility				I	recip	itatio	on.		

_		Cloud Forms				ud A					Vi	isi bi	lity					Prec	ipitat	ion.		Remarks on the Weather of the Day.
Day	7h	1 3h	1 8 b	71	90	13p	154	18h	31P	7b	94	35	154	8h2	14	7h	9h	13h	15h	18h	21h	1
1 2 3 4 5	Fog Frst: Stou Frst: Ast: Acu Stou: Acu: Ci	Cu: Stou Frst: Stou Frst: Ast Cu: Stou Cu: Stou: Ci	St: Steu Prst: Cu: Steu Frst: Steu Frst: Steu: Ci Steu: Acu: Ci	10				6						I j l k	I I k		 •° 	 •°	P ● °		1	ofe, $c \ a : cp \bullet^0 \ p : c \ n$. $c \ a, \ p \ and \ n$. $cp \blacktriangle^0$, $i \bullet^0 m_0 \ a : ci \bullet$, $\bullet \ p : c$, $b \ n$. $bc \sqcup$, $bc \ a : bc \ p : bc$, $c \ n$. $c \blacktriangle$, $\bigstar \ a : cp \bullet^0$, $bc \ p : bc$, n .
6 7 8 9	Stou: Ast:Aeu Stou Stou St: Stou St: Stou	Frst:Stou Cu: Stou Cu: Stou Stou Cu: Stou	Frst: Stou Stou Stou St: Stou St: Stou	9 10 9	9 9 9 9	10 9 6 9	9 10 9 9	9 9	9 5 9 9	k L k	k I b k	j I k	j I k	I J I k	I j i k k						 p ▲º	c $a: c$, $cm_0 p: cm_0 n$. cm_0 , $ca: cy, cp: c$, $bc n$. c , $bcm_0 a: bc$, $cz_0 p: cm_0 n$. $c a and p: c$, $cp \blacktriangle^0 n$. c a, p and n.
11 12 13 14 15	Stou Frst St St Frnb: Nbst	Frou: Ci Frou Frou: Stou Stou: Ast: Acu	Steu: Ci Steu	9 1 4 9 10	1 2 7 9	0 1 1 9	10	9	10	I	j	1	i	j h	G ,	* °						c, by a : by, b p : b n . but, by a : by, b p : b, but n . bc, bz ₀ a : bz ₀ p : bz ₀ , bm ₀ n . cut, b a : b, bc p : bc, c n . cwt, b a : b, bc p : bc, c n .
16 17 18 19 20	Ast: Acu: Cist Frst: Stou: Ast Fog Frst: Ast St	Freu: Cist Fret: Steu Steu: Ast:Aeu Cu: Steu: Cist Cu: Steu: Ci	Steu: Ast Frst: Steu St Frst: Ast: Cist Steu: Cieu: Ci																d 	 d ₀	d,	cl_m ₀ , cz ₀ \oplus a:cyz ₀ p:cz ₀ , c \oplus ⁰ m ₀ n. ci \oplus ⁰ m ₀ a: bc, cm ₀ p: cm ₀ n. oF, c a: cid, d ₀ m ₀ p: od ₀ m ₀ n. c, cz ₀ \oplus a:cz ₀ , c p: c n. om ₀ , cy a: cy, bcy p: cy, c \coprod n.
21 22 23 24 25	St Nbst Cu: Ast: Ci Cu: Steu:Ci St: Steu	Frst: Steu Cu: Steu Steu: Ast Cu: Steu: C1 St	St Frnb: Ast: Acu Stou: Ast Stou: Mbst: Ast St: Cu: Stou					10 10 10 10 9										 d ₀	 d ₀	id₀ p●	P●	od ₀ m ₀ , c a : od ₀ , F, odf p : odf, od ₀ F n . oi \bullet ⁰ , p \bullet ² \triangle a : cp \bullet , i \bullet ⁰ p : ci \bullet m ₀ n . cp \bullet , c a : ci \bullet ⁰ , id ₀ p : cid ₀ , p \bullet n . bc, c a : c \bullet ⁰ p : c, c \bullet ⁰ m ₀ n . c, odm ₀ a : cid ₀ , p \bullet p : p \bullet , bc. b n .
26 27 28 29 30	Steu Cu: Steu Cu: Steu St: Ast: Acu St: Ast: Acu	Cu: Stou Cu: Stou: Ci Cu: Stou: Cist Frnb: Stou Frst: Stou: Ast	Cu: Steu Ci Steu: Ast: Cist Frab: Host Steu: Ast																•••		 •°	bc μ , $p \spadesuit 0$, bcy a : bcy, $p \spadesuit p$: bcp $\spadesuit n$. bcp $\spadesuit 0$, bcy a : by, bc p : bc, b n . bL1, $c \bigoplus a : c \bigoplus c p : c$, bc n . ci $\spadesuit 0$, $\spadesuit 0$ $a : c \spadesuit 0$, $p : c \spadesuit 0$, n . cid $\spadesuit 0$, $\spadesuit 0$ $a : c \spadesuit 0$, $\spadesuit 0$, cid $\spadesuit 0$, \bullet
31	Pret: Stou: Ast	Frst: Stou: Ast	Cu: Cicu: Ci	10	10	10	9	9	5	h	b :	1	1	• •	1	d _o	···	••				cid_{0} , $\operatorname{i} lackbox{0}^{0}\operatorname{m}_{0} a : \operatorname{c} lackbox{0}^{0}$, $\operatorname{p} lackbox{0}^{0} p : \operatorname{bcq} n$.
Mean Cloud Am'nt.				в • 3	7-8	7-9	7-6	7-97	.4	1										2.		

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1 2 3 4 5	Steu: Ci Cumb: Steu: Anci Steu: Steu: Acu Cu: Steu	Stou Cu: Stou: Ci Cus Stou: Ci Cusb: Cu: Ci Cu: Frou	Cumb: Acu: Anci Cumb: Stou: Anci Stou: Cist Cu: Stou Cu: Ast: Acu	9 7 1 9 1	3 2 1	8 3	- 1	3		- 1	- 1	j 1	- 1		P*	6° ∙	 . p	 *	P•°			c, cp \bullet^0 a : cp \bullet \triangle q p : cp \bullet \triangle , b n . cp \bigstar^0 , bey a : beyjp p : bey, b n . b \sqcup , bey a : cy, c p : bc, cq n . cm ₀ , p \bigstar^0 p a : cp \bigstar^0 p p : bey, b n . b \sqcup , bey a : p \bigstar^0 , bey p : bey, bc n .
6 7 8 9 10	Cu St: Ast St: Steu St Frab	Cu St: Ast Cu: Steu Frnb: Cu: Steu Frst: St	Cu Frnb: Nbst Cu: Steu St: Ast Frnb					10 10 10		- 1	- 1	- 1		i i i k			. i	 •				b, bey a : bey p : bey, b n . c \square , $i \oplus^{0} m_{0} a$: $c \oplus$, $\not m$
11 12 13 14 15	Frnb: Gu Frou Stou: Aou: Ci Frnb: Hbst Stou	Cumb: Stou: Ast Cu Cu: Ast: Acu Frnb: Mbst Stou	Frab: Nbst Steu Steu: Cist St: Steu Cu: Steu: Ci											k l l i j k		ë	· P		ě٥			cp $lackbox{\bullet}$, p $\not\models$ $a: c \bullet^0$, $lackbox{\bullet}$ $p: c \bullet$, bc n . b, bcy $a: b$ cy, by $p: b$ y, b n . bc $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
16 17 18 19 20	Frmb: Hbst Frmb: Hbst Steu Frst: St St:Steu	Frab Cumb: Acu: Ast Cumb: Stou Cu: Stou Cumb: Frab: Cu												I I I I I I I I I I I I I I I I I I I		•	. :	:: '	•°			$c igoplus_0$, $\bigstar m_0$ $a : c \bigstar$, $\bigstar^0 m_0$ $p : c \spadesuit^0$, $\bigoplus m_0$ n . $c igoplus_0$, $p \spadesuit A \top a : c \spadesuit$, $\bigstar p : c$, be n . $c p \spadesuit^0 a : c p \spadesuit^0 p : c \spadesuit^0$, $c n$. $c m_0$, be $a : c$, $c y p : c z_0$, $c m_0$ n . $c \spadesuit$, $i \spadesuit^3 m_0$ $a : c p \spadesuit p : c \spadesuit m_0$ n .
21 22 23 24 25	St: Steu St: Steu Frnb: Nbst Steu: Ast: Acu St: Steu	Cu: Sten Frab: Cunb: C1 Frst: Ast Cu: Stou Cu: Stou	Cumb: Acu: Ci Cumb: Cu: Ast Stou: Acu: Ast Cu: Stou: Ci Stou: Acu					8 10 10 1 4 7						i j i k k k k	1.	•		• °		•		b, bey $a: p \bullet^0$, bey $p: c \leq p \bullet$, be n . $cm_0, c T p \bullet^0 a: cp \bullet R$, $i \bullet p: c \bullet$, $cm_0 n$. $c \bullet$, $e \bullet^0 a: ci \bullet^0$, $c p: c n$. $c \bullet \bullet$, be $a: be p: be$, $b n$. $ci \bullet^0$, $c a: c$, be $p: be n$.
26 27 28 29 30	Steu St Fog St Fog	Stou Stou St: Stou Cu: Stou Cu: Stou	Steu Preu: C1 Cu: Steu Cu: Steu Fret: Steu	9 10 10 10	3 10 10 9 10	9 9 10 9	10 2 9 7	10 1 8 9 10	0 9 2 4 9	E b D	k 1 E h	k j	k j k j k j	k k h i j		: ::				 •°		c, bc a : c p and n . o, c a : bc, b p : bc, c n . ofe, om, c a : cm ₀ , bc p : bc, bm ₀ n . om n , bc a : bcy, cyz ₀ p : cyz ₀ , bc n . oFe, bc a : cp n 0m ₀ p : c n 0, cm ₀ n .
Mean Cloud Am'nt.				8-1	7-4	8-5	9-1 1	7-76	.7													
Day	7b	134	184	72	94	134	154	85-2	13.	7h	94	3 	5 b] {	Bh 21	71	91	13	3h 1	15h	18h	21h	Remarks on the Weather of the Day.
		Cloud Forms					ormi ormi				Vi	isıbil	ity			-	Pre	cipi	tatio	n.		Remarks on the weather of the Day.

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25/4	EGADADEACIA								-					_							
		Cloud Forms.					moun			V	/isib	ility	•			P	recip	itati	on.		Remarks on the Weather of the Day.
Day.	7h	13h	18h	7h	9b j	3h J	5h 18i	216	7h	9h	13h	15h	1842	1 h	7h	9h	13h	15h	18h	21 h	1
1 2 3 4 5	Cu: Stou: Acu St Stou Stou: Acu: C1 Acu	Cu: Steu Cu: Ast: Acu Cu: Steu:Acu Cu: Ci Ci	Steu Steu: Ast: Acu Steu: Ast: Acu Ci Acu: Ci	9 10 9 9	10 8 4	9	6 3 9 9 4 9		j								 p ●° 				c, $a:c$, by $p:b$, bcm ₀ n . of early, cp $ \bullet ^{o}$ m ₀ $a:p \bullet ^{o}$ m ₀ , cz ₀ $p:c$, bm ₀ $a:c$, bcy $a:c$, c, $p:c$ n . c, bcy $a:b$ cyz ₀ $p:c$ yz ₀ n . b, by $a:b$ cy $p:b$ cy, c n .
6 7 8 9 10	Ci St: Acu: Ci St: Stcu St St	Cu: Steu Cu Freu: Acu:Cist Steu Cu: Steu: Acu	Cu: Steu:Ci Acu: Cicu Steu St: Steu	3 8 9 10 10	2 10 10	1 2 8 7	1 (4 4 4 8 7 9 9		j I k I				j m l k								bc, bcyz ₀ a : bcyz ₀ , p : bc, c n . cm ₀ , b a : b, by p : b, b.a. n . bc, by $\bigoplus a$: by \bigoplus , bc p : bc, b.a. n . o, c a : c, be p : bc, c n . om ₀ , id ₀ , bc a : bc, c p : c, bc n .
11 12 13 14 15	Freu Freu: Cu Steu Cunb: Frnb Cist: Ci	Freu: Steu: Acu Cu: Steu Cu: Steu: Ci Cu: Steu Frnb: Nbst	Steu: Acu Frst: Cu: Steu Frnb: Ast Freu Frnb: Nbst	1 7 9 7 9	3 3 3	5 9 3 10	2 2 9 8 8 10 3 1	9 9 10 1 8	m m j 1	m m l m	n k l	n k l	m 1 m	m m k	 •••° •*•	:::	 *	 	 •° 	•	b, bey a : bey, by p : by, c n . bep \bullet , bey a : bey, c p : cp \bullet 0, c n . be, c a : cy, c \bullet 0 p : c \bullet 0, \bullet 0, c n . bep \star 0, p \star \star 0 \star 2: bey, by \star 2: by, b \star 2. cL., \bullet 0, \star 4, \star 7, \star 7, \star 8, \star 8, \star 9, c \star 9.
16 17 18 19 20	Cu: Steu Frst: Ci Cu: Steu Cu: Acu: Ci Cu: Steu: Ci	Cu: Steu Cu: Steu Cu: Freu: Ci Cu: Steu: Ci Cu: Ci	Cu: Steu: Ci Steu: Ci Cu: Steu: Ci Steu: Ci Cu	4 1 4 9 5	8 1 2 7 8	4 9 5 8 4		10 10 9 6 2						k I L	*°		 			p ●° p ●° 	$p * 0$, bey $a : bey$, $cy p : cy$, $p \bullet 0$ n . $\exists \exists cm. b, c a : p * 0, p \bullet 0$, $cp : cp \bullet 0$ n . by, bey $a : bey$, $p \bullet 0$, $p : bc$, $cp \bullet n$. c, bey a : cy, be p : bc n. bc, c a : bey, $by p : by$, $b n$.
21 22 23 24 25	Cu: Steu: Ci Acu Steu: Acu St: Steu Steu	Cu Ston: Acu Stou Stou Cu: Ci	Cu: C1 Cu: Steu Steu: C1 Cu C1	3 7 10 10	9 10	7		3 1 10 4						n L							bc, bcy a: bcy, by p: by, bc n. b, bcy a: bcy, bc p: bc n. bc, cy a: cy, by p: by, b n. c, bc a: bc, b p: b, c n. c, by a: by p: by, bc n.
26 27 28 29 30	Steu Frst: Steu Frst St St	Freu Freu Cu: Ast: Acu Freu St	C1 Cu: Stcu Ast: Acu St	10 10 1 9 10	7 1 4 10	1 2 1 9	- 1	8 2 9 10 9						1	dº	d ₀	::\ ::\ ::: :::				c, b a : b, by p : by, bc, c n . cd ₀ , b a : b, by p : by, b n . b, c, by a : by, bc p : bc, b, cm ₀ n . cm ₀ , bc, b a : b p : b, cm ₀ n . cm ₀ , od ₀ a : c, b p : b, c n .
31	St	Freu: Ci		9	1	1	3 0	1	ķ	1	1	1	1 1	4		<u> </u>		•••			c. by a: by, bcy p: by, b <u>W</u> n.
Mean Cloud Am'nt.				7• 0	5-6	5 -1 5	04-6	8-2											,		

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1 2 3 4 5	Cu: Steu: Ci St: Steu St: Steu Frnb: Wbst St: Steu	Cu Steu: Ast Cu: Steu: Ci Cunb: Cu: Ast Cunb: Cu	Cu Frnb: Nbst Cu: Stcu: Ci Frnb: Nbst Cu: Stcu: Acu	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$,
6 7 8 9 10	St Cu: Frmb Frmb Stcu: Ci Stcu: Ast: Acu	Cunb: Cu: Cist Cu: Steu: Ci Frnb:Nbst Cu: Steu Frnb: Nbst	Frnb: Nbst Cu: Frnb Cu: Stcu: Ci Cu: Acu: Ci Frnb: Nbst	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
11 12 13 14 15	Cu: Steu Cu: Ast: Acu Frnb: Cu Cu: Acu: Ci Cu: Acu: Ci	Frnb: Nbst Cu: Stcu Cu: Stcu Cu: Stcu Cu: Stcu Cunb: Stcu:Ci	Frst: Steu Cu: Steu Cu: Steu Cu: Steu Cu: Steu: Ci	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
16 17 18 19 20	Cu: Steu Steu: Acu Frnb: Nbst Steu: Ci Nbst	Cunb: Ast: Ci Cu: Stcu Frnb: Nbst Cu: Stcu: Ci St	Frnb: Ast: Ci Cu: Steu: Acu Cu: Acu: Cicu Frnb: Ast Cu: Steu: Ci	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$. •
21 22 23 24 25	Frnb:Nbst St St St St St: Steu: Ast St	St Cu: Stcu Cu Cist St	Fog Cu: Steu Cunb:Cist Cu: Cist Cu: Steu:Cieu	10 10 10 10 10 10 10 10 1 1 F E C C C C O O O O O O O O O O O O O O O	
26 27 28 29 30	St St: Stcu Cu: Acu St	Fog St Cu: Stcu Cu St: Stcu: Acu	Cu: Steu Cu: Ast:Aeu Cu: Steu: Ci Cu: Ci Cu: Ci		
Mean Cloud Am'nt.				90 9-1 9-5 8-4 7-4 8-1	
Day	7h	13h	18h	7h 9h 3h 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) Precipitation.	

AUGUST, 1935

Remarks on the Weather of the Day.

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7h

Day

18h

Cloud Forms

Cloud Amount (All Forms)

		Cloud Forms					Ame	ount ns)			٧	/isib	ility	,				Prec	ipita	ion.		Remarks on the Weather of the Day,
Day	7h	13h	18h	7h	96	13h	15b	18h	214	7h	9h	13h	15h	18b	214	7h	9h	13h	155	18h	21h	•
1 2 3 4 5	Frnb: Nbst- St: Stcu Cu: Acu: Ci Cu: Stcu Frnb: Nbst	Frmb: Nbst Cu: Steu Cu: Acu: Ci Steu: Ast: Acu Cu:Steu: Ci	Frnb: Mbst Cu: Frnb Frnb: Mbst St: Stcu Cu: Stcu	10 9 7 9 10	5 8 8	10 9 9 9	10 6 9 10 7	10 9 10 10	10 6 10 10 6	h 1 1	h 1 1 k	I k l k l	I k 1 j	j I I I	I k G I	•°		 P●		•••	d	co, \bullet^{0} m ₀ $a : c \bullet^{0}$, \bullet m ₀ $p : c \bullet$, d_{0} m ₀ n . cp \bullet^{0} , bc $a : bc$, co, $i \bullet^{2} p : cp \bullet$, bc n . bc, c $a : c \bullet$, \bullet^{0} m ₀ $p : c \bullet^{0}$, d_{0} m ₀ n . c, cp \bullet^{0} $a : cp \bullet^{0}$, $i \bullet^{0}$ $p : ci \bullet^{0}$ m ₀ n . ci \bullet^{0} m ₀ , p \bullet^{0} $a : cp \bullet$, bc $p : p \bullet^{0}$, bc n .
6 7 8 9	Stcu:Ast: Acu Frcu: Ci St	Cu:Ast: Acu Frou:Stou Cu Cu; Ci St: Stou	Stou:Ast:Acu Gu: Stou C1 Stou		2 0 1 10	6 4 6 10	8 2 2 10			k k j h						 d		 d				c a : c, bc p : bc, b n . b.a., bcy a : bcy, by p : by, b n . b.a., bcy a : bcy, by p : by, bc n . b.a., bc a : bc, by p : bcy, bc n . odm _e a : cd, d ₀ m _e p : c, b n .
11 12 13 14 15	Ci Ci St: Stcu St: Stcu: Ast St: Stcu: Acu	Cu:Stou: Ci Frou Cu: Ci St: Stou: Ast Cu: Ci	Cu: Stcu Cunb: Acu Cu:Stcu:Ci St: Stcu Ast: Acu: Ci	6 1 9 10 9	6 9 10 7			1 5 10 7										1				be, bey a : bey, by p : by, b n . b.a., b a : b, by p : by, cm ₀ n . cm ₀ , bc a : bey, be p : bc, bc.a. n . ci \bullet 0, c a : cp \bullet 0 p : c, cm ₀ n . c, be a : bc, bey p : bey, be n .
16 17 18 19 20	Steu Cu: Steu: Ci Steu: Acu: Ci St: Steu Steu	Steu Cu: Steu: Acu Cunb: Frnb: Ci Cu: Ast: Acu Cu: Steu: Ci	St: Stou Gu: Stou Gu: Stou Frab Gu: Stou		9			5 10 6							I k h			p⊕ p⊕	d₀ •••		 P●	c $a : \operatorname{cid}_0 p : \operatorname{cid}_0$, $i \bigoplus^3 n$, bc, $\operatorname{cp} \bigoplus^n p \bigoplus^n a : \operatorname{bcp} \bigoplus^n p : \operatorname{bc} n$, bc, $\operatorname{cp} \bigoplus^n p \bigoplus^n a : \operatorname{cp} \bigoplus^n p p : \operatorname{bc} p : \operatorname{bc}, \operatorname{p} \bigoplus^n n$, c $a : \operatorname{ce}^n p p : \operatorname{ce}^n p p : \operatorname{bc}, \operatorname{p} p p : \operatorname{bc}, \operatorname{p} p p p : \operatorname{bc}, \operatorname{p} p p p : \operatorname{bc}, \operatorname{p} p p p p p : \operatorname{bc}, \operatorname{p} p p p p p : \operatorname{bc}, \operatorname{p} p p p p p p p p p p p p p p p p p p $
21 22 23 24 25	Cu St: Acu St: Acu Stcu: Ci Ci	Cu: Steu: Ci St Cu: Steu: Acu Cu: Ci Cu: Steu	Cu: Acu: Ci St: Stcu:Ci St:Stcu Cu: Ci Cu:Stcu: Acu	4 9 8 3 4	10 7 4			4 8 10 4 9							j I 1		d ₀	d ₀		 d₀		be, bey, a : bey p : bey, b n . c, od ₀ , id ₂ m ₀ a : id ₂ m ₀ , c p : be, c n . cm ₀ , be, c a : c, cid ₂ p : cd ₀ , cp $ \blacksquare$ m ₀ n . be, bey a : bey p : bey, be n . be, c a : c p and n .
26 27 28 29 30	Cu: Acu: Ci St: Stcu St: Stcu Frcu: Acu	Cu: Stou: Ci Frnb: Nbst St: Stou Stou Cu	St: Ston St: Ston St: Ston: Ci Cu: Ston: Ci Ston: Ci	9 10 8 1 0	10 8 3	9 10 9 7	8 10 9 6	10 9 7 5	10 5 5 7 1	1 1 1 m	1 1 1 m	1 G 1 k	1 G 1 1	h 1 1 m	G k 1 1		•	•	•		:::	c a : c, $\operatorname{cid}_{0}\mathbf{m}_{0} p$: $\operatorname{cid}\mathbf{m}_{0} n$. c \odot , \bigodot \bullet \circ $\mathbf{m}_{0} a$: c \bigodot \circ , i \bigodot \circ \bullet \circ \circ \circ c \circ \circ c \circ
31 Mean		Ci	Ci: Cist					3		1	1	1	1	1	1	•••			 		۳	b.a., by a : by, bcy p : bcy, bc n .
Cloud Am'nt.			 	6-4	6-5	7-2	7-0	6-2	5-6						1			<u> </u>				

				_	_	-	_		_	-	,	,	-	_	_	-						
1 2 3 4 5	Acu: Cist Freu: Ci Steu: Acu St St	Cu: Acu: Cicu Cu: Stcu: Ci Cu: Ci Cu: Stcu Frcu: Stcu: Ast	Cu: Acu: Ci Cu: Stou Cu: Stou:Acu Stou: Ast Stou		1 2 2	10								j j 1 1 1 k k j		d ₀			 •°			c.a., bey $a : bcy$, $c \not p : c$, bc n . b.a., bc $a : bc \not p : bc$, b n . c.a., bcy $a : bcy$, bc $\not p : bc$, b.a. n . cd ₀ , c $a : c$, ci $ \bigcirc ^0 \not p : c n$. c, ci $ \bigcirc ^0 \not a : ci \bigcirc ^0$, c $\not p : c$, bc, c n .
6 7 8 9 10	St: Stcu Fog St Stcu: Cist St. Stcu	Cu: Stou Stou Cu: Acu: Ci Cu: Stou:Ci Stou: Acu:Ci	Gu: Stou Stou Gu: Stou: Ci Gu: Acu: Ci St:Stou	1010	2 2 2 10 10 2 2	9 9 9 8 8 8 8		5 9 9 9						k k j I j I 1 k j I							 d ₀	b., bc, c a : c, bc p : bc, b. n . oFe, cm _e a : cm _e , bc p : c, cm _e n . om _e , c a : c, bc p : c, cm _e n . c., b, c a : c p : c n . c a and p : c, cd ₀ m _e n .
11 12 13 14 15	St Cu: Acu: Ci Cu: Stcu Stcu: Ci St: Stcu	Cu: Frnb Cu: Stcu Cu: Stcu: Ci Stcu Stcu	Frnb: Nbst Cu: Stcu Stcu Stcu Stcu: C1	9 10	9 2	9 9 9 10										•	•°		•			om ₀ , $c \oplus$, $i \oplus a : ci \oplus$, $e \oplus n$, $e \oplus n$, bc, bey $e : c \oplus n$ bc, be $e \oplus n$. c.e., $e \oplus a : c \oplus n$, $e \oplus a : c \oplus n$, c.e., $e \oplus a : c \oplus n$, c.e., $e \oplus a : c \oplus n$, be $e \oplus a : c \oplus n$, c.e., $e \oplus a : c \oplus n$, be $e \oplus a : c \oplus n$.
16 17 18 19 20	Frnb: Nbet St Frst St Fog	St: Stou: Ast Cu: Stou Cunb:Frab:Ci Cu: Stou: Acu St	St:Frst Frst Cu: Stcu: Ci St Cu	10 10 10 10				9 9 3 10 1						I Ch h		d d d	ď,		d ₀		 d	c \bigoplus , \bigoplus om ₀ , c a : cid ₀ m ₀ p : cd ₀ , of, F n . od, f, d ₀ m ₀ a : cd ₀ , \bigoplus , cid ₀ m ₀ p : cm ₀ n . cd ₀ m ₀ , p \bigoplus a : c, b e p : bc, b, cm ₀ n . od ₀ m ₀ , c a : c, cm ₀ p : om ₀ , oFd n . of, id ₀ m ₀ a : o, bc, b p : b, om n .
21 22 23 24 25	Acu Steu: Ci Cist: Ci St: Acu: Ci St	Cu: Stou St Stou Stou: Ci St	Gu:Acu: Ci Acu: Cicu St: Stcu: Ast Stcu St: Stcu	8	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 10 10 4 10	9 10 9 5 9	6 6 10 8 8	1 3 10 10	j j k I I	j k G	j k j I	1 1	1 1 1 1 1 1 1 1 1 1					p ●° :• •::		•••	cm_0 , $bc a : bc$, $c p : c$, $cm_0 n$.
26 27 28 29 30	Frnb St: Stcu: Acu St: Stcu: Ci Frst: Ast:Cist St: Stcu	St: Steu: Ast Cu: Steu Cunb: Steu: Ci Cunb:Cu: Steu Frnb	Nbst Cu: Steu Cu: Acu: Cist Cu: Acu: Ci Frnb: Nbst	10 1 1 9	10 10 10 10 10 10 10 10 10 10 10 10 10 1	9 1 7 8 7 9 8	10 3 9 6 10	10 4 9 7 10	10 10 9 10	h k j j	I k j h	j k k l	I k l I	h h h h h h h h h h		•	:::	•3	 P●º	•••	 p●'	o \spadesuit , \bigoplus 0 m ₀ , c a : c \bigoplus 0 , \bigoplus 2 m ₀ p : o \bigoplus 2 m ₀ n . b, bcy a : by, $p \bigoplus$ 0 , bc p : bc, bc n . b \triangle , $p \bigoplus$ 0 , bcy a : bcy, cp \bigoplus 0 p : c n . c \bigoplus , c p a : c p p : bc, c $p \bigoplus$ p : c p : c p :
31	St: Stcu	Cu: Steu	Cu: Stcu	9	10	9	9	9	9	زا	j	1	1	k l			<u> </u>	•••			<u> </u>	c ● early, c a, p and n.
Mean Cloud Am'nt,				7.	7 7-	5 8-4	8-0	7-7							ľ							:

9h | 13h | 15h | 18h | 21h

Visibility

7h 9h

13h 15h 18h 21h

Precipitation.

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		Cloud Forms					mou			-	Visit	oility	,				Preci	pitat	ion.		Remarks on the Weather of the Day.
Day	7h	13h	18h	7≥	9b j	3h 1	5 h 11	8h 211	71	h ge	135	15h	184	21h	7h	9h	13h	15h	18h	211	
1 2 3 4 5	St: Steu Frst St: Steu C1 Cu: Steu	Cu: Stcu: Ast St: Stcu Cu: Stcu Cu: Stcu: Ci Cumb: Stcu	Frnb: Ast Frst: Ast: Acu Cu: Stcu: Ci Cu: Stcu:Ci Cu: Stcu:Acu	10 9 9 5 8	9 10 8 8 8	10 9 9 9	10 1 8 8 5	0 10 0 4 8 7 5 2 5 4	I k j E k	- 1	1	1	1 1	k		•	d	 ₽●°		:::	cm ₀ , i \bullet \circ \circ : c \bullet \circ , \bullet m ₀ \circ : c \bullet \circ , \bullet m ₀ \circ . ci \bullet \circ , \bullet , dm ₀ \circ : cd, i \bullet m ₀ \circ : ci \bullet \circ , bc \circ . cp \bullet : cp \bullet \circ : cp \bullet :
6 7 8 9 10	Steu: Ci Cu: Steu: Ci Steu: Acu: Ci Ast: Acu: Ci St	Cu Cu: Steu Cu: Steu: Acu Cu: Steu:Cist St: Steu: Ast	Cu: Stou Cu: Stou: Ci Stou: Ci St: Stou Cu: Stou: Acu	5 6 3 9 10	5	6	2 7 10 1	9 6	k m k I	h	t	j	k m I I	k k j I							bc.a., bcy a : bcy, bc p : bc, ba n . bc.a., bcy a : by, b p : b, ba n . bl, bcy a : bcy, bcz p : bcz ₀ , bcz ₀ , cc. c \oplus , c a : c, cm ₀ p : cm ₀ , b n . od ₀ m ₀ , cm ₀ a : cp \oplus ⁰ p : cm ₀ , bcm ₀ a .
11 12 13 14 15	St: Steu Ast: Acu Frst St: Steu Frnb: Steu	Cu: Steu: Acu Steu: Ast Steu Frnb: Cu: Steu Frnb: Steu:Cist	Steu: Acu:Ci St: Steu Frst: Steu Frst:Steu: Ci Steu: Acu: Ci	10 9 10	10 : 9 9 10	10 1 8 9	10 1 7 9	t t		h h I j I	1		k	j k	•••	 p● 		•°	p⊕ ⁰		cp \bigoplus , bc a : c, bc p : c n . cm ₀ , cz ₀ , a : cz ₀ , \bigoplus , cm ₀ p : cm ₀ n . cp \bigoplus , c a : cp \bigoplus p : c \bigoplus , \bigoplus \bigoplus q n . R \bigoplus early, ci \bigoplus a : cp \bigoplus p : bcp \bigoplus p , bc n . c \bigoplus p : p
16 17 18 19 20	Frst: Steu Frnb: Cunb: Ci Frst: Acu Frst: Steu Frst: Steu	Frst: Stou Cu: Stou: Ci Cu: Stou: Ci Cu: Stou Cu:Stou: Ci	Frst: Nbst: Ast Cu: Stcu: Ci Frst: Ast: Cist Cu: Stcu Cu: Stcu	9	9 10 10 10 9	9 9 9 9 5	10 1 9 8 5	0 10 9 8 9 10 9 9 1 1	I k j k	j j j k	j k j	j k j	j k j k	I k j k	P • 6			١		P.	cp \bigoplus ⁰ a : cp \bigoplus ⁰ , p \bigoplus p : c \bigoplus ⁰ m ₀ n . bcp \bigoplus ⁰ , c \bigoplus ⁰ a : cp \bigoplus ⁰ , bc p : cp \bigoplus ⁰ , p \bigoplus n . ci \bigoplus ⁰ , p \bigoplus ⁰ a : cp \bigoplus p : c \bigoplus ⁰ n . c \bigoplus ⁰ , \bigoplus , p \bigoplus ⁰ a : cp \bigoplus , p \bigoplus ⁰ p : c n . cp \bigoplus ⁰ , bc a : bcp \bigoplus ⁰ , bcy p : b n .
21 22 23 24 25	Steu St: Frst: Ast Steu Steu: Aeu: Ci Steu	Stou: Ast Stou Cu: Stou: Ci Frst: Stou:Ast Cu: Stou	St: Stcu: Ast Frst: Cu: Ci Frcu: Ast: Acu St: Stcu: Ast Cu: Stcu: Ci	7 10 5 8 4	10 1 10 1 8 8 8	10 1	0 1 6 0 1 5	0 9 9 1 8 2 0 5 4 1	k G k k	k h k k	k j k j	k k k j	k k j	k k k j	d ₀			 	•••		be_i, c $a : \operatorname{cp} \bullet^{o} p : c n$. $\operatorname{cd}_{am_{o}}$, c $a : \operatorname{cd}_{o}$, bc $p : c$, bc, b n . c, bc $a : \operatorname{bcp} \bullet^{o}$, c $p : c$, b $p : c o$, bc, ci $o o o o o o o o o o o o o o o o o o o$
26 27 28 29 30	Ast: Acu: Ci Frst: Stcu Frst: Ast Ci Frst: Ast: Acu	St: Stcu Cu: Acu: Ci Frnb Cu:Stcu: Cist Cunb: Acu: Ci	Frnb: Nbst Stcu: Acu: Ci Frst: Nbst St: Stcu: Acu Cunb:Frnb:Ci	9 10 10 4 9	10 1 10 1 7 8	10 1 7 10 1 9	0 1 7 0 9 5	0 10 8 9 9 10 9 10 2 2	k j I D j	k j h k	j h k	j 1 k 1	g 1 1 1	f I 1 h 1	 •° •°	 •°	 •° 			d _o	c. \downarrow , cp \spadesuit ⁰ a : ci \spadesuit ⁰ , \spadesuit m_{\bullet} p : c \spadesuit , \spadesuit m_{\bullet} n . c, be a : be, cp \spadesuit p : c, cd ₀ m_{\bullet} n . c \spadesuit ⁰ , \spadesuit m_{\bullet} a : c \spadesuit ⁰ , \spadesuit , i \spadesuit 0 p : c \spadesuit ⁰ 0 , c n . befe, c a : cp \spadesuit ⁰ p : c \spadesuit m , be p : cp \spadesuit ² \bullet a , b n .
Mesta Cloud Am'nt.				8•0	8-6 8	-58	07-	66.0													

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1 2 3 4 5	Frnb: Nbst St: Stcu Frnb C1 Frnb: Nbst	Cunb: Cu: Ci Frnb: Nbst Cu: Stcu: Ci Cu: Stcu:Ci Frnb: Nbst	Cu: Stcu: Ci Frnb: Nbst Stcu: Ci Stcu: Acu Stcu: Ci	10 10 10 10 10 10 1 10) 8 L 3	10 1 8 4	0 10	0 I 0 j 3 j 3 j	j j h I	k I k j	k Q k j k	k k l h k j h k k	•	•	•°	 •° 		••	•	co, po, bc a : bcp \bullet ° p : b, b a n . cp \bullet °, \bullet °m $_0$ a : co \bullet °m $_0$ p : c \bullet °, \bullet m $_0$ n . ci \bullet °, c a : c, bc p : bc a n . bLJ, bc a : bc, cm $_0$ p : c, bc, cm $_0$ n . co, \bullet °m $_0$ a : ci \bullet °m $_0$ p : c, bc n .
6 7 8 9 10	Steu: Cieu:Ci Steu Frst Cunb: Acu: Ci Frst: Steu: Ci	Steu Cu: Frnb: Steu Cunb: Cu: Ci Frst:Frnb: Cu Cu: Frnb:Steu	Steu: Acu:Ci Steu: Ci Cunb: Steu: Ci Frmb: Ast Frst:Steu: Cist	3 1	و اد	9 8 6 10 1	7 9 10 7 10 9 9	1	1		j k l	j k k n l I j k k	1::		**		••			bc.a., $cp \oplus^0 a : cp \oplus^0$, bc $p : bc$, c n . c.a., $i \oplus^0 a : c$, bc $p : cn$. cp. \oplus^0 , $p \oplus^1$, bc $a : bcp \oplus^1$, $p \oplus A \bigcirc p : c \bigcirc b$, b.a., $p \oplus^0$, c $a : c \oplus^0 m_0 p : c \oplus^0 m_0$, c n . bc., $c \oplus^1$, $a : bc$, $cp \oplus p : cp \oplus$, c n .
11 12 13 14 15	Frst: Cu: Steu Steu St: Steu Frst: Steu: Ci Frst: Ast:Nbst	Frnb: Steu: Cu Steu Cu: Steu Steu Frnb: Nbst	Cu: Steu: Acu Steu: Ast: Acu Frnb: Nbst Frst: Steu Frst: Nbst	9 1 10 9 10 10	9 9 9 9 10	9 10 10 1 9 10 1	7 2 9 3 0 10 9 10	e j e l e k e k	j k j j I	k	j	k k j k G G I I h h	:		• •	:::	•••	 • •	•	bc, cp \bullet a : cp \bullet , p \star , bc p : bcp \bullet 0, b n . bL, cp \bullet 0 a : cp \bullet 0 p : c n . ci \bullet 0 a : ci \bullet 0, \bullet 2 \bullet 2 \bullet 2 \bullet 2 \bullet 3 \bullet 4. ci \bullet 0 \bullet 2 ci \bullet 5, cm \bullet 6. ca : c, cm \bullet 7 bc, cm \bullet 8. c \bullet 0 m \bullet 8 \bullet 8 : c \bullet 0 m \bullet 9 : c \bullet 0, i \bullet 9 \bullet 8.
16 17 18 19 20	Frst: Steu Frnb Cu: Acu: Ci Frnb Frst: Acu: Ci	Steu Frnb: Nbst Frst: Steu:Ast Steu Cu: Steu	Steu Frst: Steu St St: Steu: Aeu Frst	10 10 5 10 9 5	9 10 10 9 4	10 10 1	6 1 0 10 9 4	k j l l l l l k	j l I k	k I j j	1 k G j	j j j k G G j j 1 1	1		•°	p ● º •	••		•	cp♠° a : cp♠°, bc p : bc, cp♠° n . ci♠, i♠³ m_0 a : c♠ m_0 , p♠ p : bcp♠°, b n . bc⊔, id, a : c♠ m_0 p : c♠, i♠³ m_0 n . co m_0 p , p♠° a : c m p : p♠°, bc n . bc⊔, bc m p : bc m p : b m
21 22 23 24 25	Frst: Steu:Acu Ast: Acu Frst: Acu St St	Frnb: Nost Frst: Ast: Acu Cu: Stcu: Acu St Cu: Stcu	Steu Steu: Ast: Acu Nbst St Steu	7 10 7 7 10 10	10 9 7 9 10 10 4	9 10 10 10 5	9 8 0 10	k B D J D I D	h h	Ĭ	I	j k j j G G J j	id		 d _o	••	• .: .: d• .:	:: •d• ::		cl.j, \bigstar^0 , \bigstar^0 $a: c \oplus^0 m_0$, $p \oplus^0 p: c$, bl.i. n . bc, cl.i. $a: c p$ and n . bc.i.j, $cz_a a: cz_b$, $o \oplus^0 m_b p: o \oplus^0 m_0 n$. oid, m_b , $dm_b a: od_b m_b p: od_b$, $dm_0 n$. o \oplus^0 , $cm_0 a: bem_0$, bc $p: cn$.
25 27 28 29 30	Frst St Frst: Acu: Ci St: Stcu:Ast St: Frst	St Frst: Ast Stcu: Ast: Acu Frst: Stcu Frmb: Nbst	St: Steu Frst: Ast St Cu: Steu St: Steu	3 10 10 10	7 9 0 8 0 10	10 1 10 1 7 10	0 10 4 5 9 8	o m	G 1 h	j m 1	j l k	j j j j l k k k	i	: [:	d d d₀	d₀ d₀ 	•	: •• • : :	•°	od m_b , of, d_bm_b $a: od_b$, d , $c p: cid_b$ n . o \spadesuit , od, $a: od_b$, $c \spadesuit^am_b$ $p: ci\spadesuit^am_b q n.bc, c a: c, \spadesuit^a, o \spadesuit p: o \spadesuit, c \spadesuit^a, o \bulleti \spadesuit early, cd_b, p \spadesuit a: cp \spadesuit^a, p \not m q p: p \not m^a, p \not m n.ci \spadesuit, \bullet^a a: c \spadesuit, i \spadesuit^a p: p \spadesuit \not m, o m$
Mean Cloud Am'nt.	Cu: Steu	Cunb: Acu: Ci	Steu.	7-7 8-	5 8-3	++	+	0 k	k	5	1	3 3	ŀ					···F		. b∟., p●°▲ a : p★▲, p★°▲° p : p●▲ n.
Day	7h	13h Cloud Forms	18h	CI	oud	Amou Forms	nt	b 7h		13h Vistbi		8 21	71			13h cipit			21b	Remarks on the Weather of the Day.

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_		Cloud Forms					Amo Porm				Vis	ibilit	y				Prec	ipitat	tion.		Remarks on the Weather of the Day.
Day	7h	13h	187	72	96	13Þ	15h	18h 2	51P .	7ь (9 b 13	Jh 151	185	21h	7ь	9h	13h	15h	18h	21h	Nematics of the Weather of the Day.
1	Frnb: Cu: Stou	Cu: Steu: Ci	Cu: Steu	9		9	9	3	1	3	, ,	I	k	k	₽●						$cp \bullet$, $p \bullet^0 a : cp \bullet$, $p \bullet^1 \triangle^2 p : bc, b \bowtie n$.
2	Stou: Acu	Steu: Ast	Steu	1	9	9	7	4 1	10	k 1	į į	k	k	1	•		1	• • • • •	•••	•	$b \sqsubseteq i$, $ci \bullet^0 a : c$, $bc p : cp \bullet^1 q$, $c \bullet n$.
3	Steu: Ast: Acu	Stou	Steu: Ast: Acu	8	9	7	7	9]	LO 📗	1 1:	ij	15	11	j	ا ۰۰۰	••••			••	•	c, bc a : bc, $c \oplus {}^0 p$: $c \oplus {}^0$, $\oplus n$.
4	St: Stcu: Ast	Stou: Ast	Steu: Acu	10	9	10	10	5	5	1 i	: 1	1	j	h		I			•••		$c, i \bullet^0 a : c, bcm_0 p : b, bcm_0 n.$
5	Stou: Ci	Stou: Acu	Frst: Steu	1	1	9	9	10	LO 5 9	I 1	1 I	j 1 I	G	j					•••		b, $p \bullet 0$, $c a : c \bullet 0 m_0 p : cm_0 c n$.
6	Cu: Steu	Cu: Steu	Cu: Steu	1	2		.4	1	9 7 10 4	3 3	ı j	; ; ; I	; ; ; ;	j							b, $\operatorname{cp} \bullet^0 a$: bc, $\operatorname{cp} \bullet^0 p$: $\operatorname{cp} \bullet$, bc n .
7	Frst: Stcu	Cu: Steu: Ci	Acu: Cist: Ci	9		5	5	6	7	1	1 1	15	1	j			• • •		•••	• • • •	c, bc a: bc, bc a p: bc, c n.
8	Frst: Steu:Ast	Cu: Stcu	Cu: Stcu	10	8 10	5	7	9 3	LO 1	k	c j	j.	I	I			•••		•••	•••	$c \sqsubseteq i$, \bigoplus^0 , $bc \ a : bc$, $c \ p : c$, $cm_0 \ n$.
9	Fret: St	Frst: Ast	Steu	10	10	10	10	2	4	h 1	ı þ	13	11	F.			●°		•••		$ci \bullet^0$, $\bullet^0 m_0 a : c \bullet^0 m_0$, \bullet , $b p : b$, $bcm in$.
10	Stou	Cu: Steu: Ci	Frst: Steu: Acu	10	3	8	10	9	9 1	b i	j	I	I	h	• • •	···		••••		•••	cm_0 , bc, $ca: c \bullet^0$, $i \bullet^0 m_0 p: bc, cm_0 n$.
u.	St	Cu: Frnb	Steu		10	9		9]	LO	G C	; ;	j	1	G					••		om, $cp \bullet^0 a : p \bullet^0 q$, $\bullet^0 p : ci \bullet^0$, $cm_0 n$.
2	Frnb	Cu: Steu	Frnb: Cu: Steu	10	9	5.	5	9 3	LO 🕽 :	I 1	LÍ	1	11	1	•]		1	*▲	*	$c \oplus ^{0}$, bc $a : p \oplus ^{0}$, $p \not\leftarrow \triangle p : cp \not\leftarrow \triangle$, $i \not\sim n$.
3	Frst: Cu: Steu	Cu: Stou: Ci	St: Steu	9		7	5 9	9 1	LO I	1 1	L j	k	j	Ĭ			[,		**	\Re c, bc a: c, bc p: c, c $\not\approx$ ⁰ n.
4	St: Steu	Frst: Acu: C1	Steu	9	10	.1	4	4	9	1	ı j	k	k	3						₽●	$\{X \mid Ckq \oplus^{a}, \oplus, b \mid a : b, bc \mid p : cp \oplus n.$
.5	Frnb: Nbst	Frnb: Steu	Frst: Steu	10	10	9	9	6	1	I I	ı İ	k k j	j	j	•	•	●°	•°	•••	•••	$c \bullet$, $i \bullet m_0 a : c \bullet$, $i \bullet 2$, $p \bullet p : c$, $b n$.
в	Frst:Stcu	Frat: Steu	Frst: Steu	9	9	9	9	9	4	I		j	I	I							cm_0 , $ca: cp \bullet p: cm_0$, $bcm_0 n$.
17	Frst:Stcu	Frnb: Nbst	Frnb: Nbst	10	10	10	10	10 3	9	h 1	ık	I	I	I		●°	•°		•	●°	$c \sqsubseteq i$, \bigoplus , \bigoplus $^{0}m_{0}$ $a : c \bigoplus$ 0 , \bigoplus m_{0} $p : c \bigoplus$, \bigoplus $^{0}m_{0}$ n .
8	Frnb	Frnb: Stcu	Steu	10	9	9	4	7	9	I I	c I	15	13	j l	••		••				c, $c \oplus {}^{0}m_{0} a : c \oplus {}^{0}m_{0}$, bc $p : bc, c n$.
19	Steu	Frst: Stou	St: Steu	1	0	9	9	4	4 1	h li	Ι	j I	I	I					•••		$b = f$, $cm_0 a : cm_0$, $bcm_0 p : bcm_0 n$.
20	Frnb: Nbst	Frnb: Steu	St: Stou	10	10	10	10	10]	4	I :	ĮI	I	j	3	••		•°	●°	•••	●°	$c \bullet^{0}$, $i \bullet^{0} m_{0} a : c \bullet^{0} m_{0} p : ci \bullet n$.
1	Frst: Stcu	Frnb: Stcu: Ast	St: Steu				10	10 1	10 1	kc .) j	j	j k	j		••		••	●0	••	ci ● a, p and n.
22	Frst: Stcu	Frnb: Steu	Frst: Stcu	9		9		9 3	LO 📗	j 1	k k	k	k	k]	р	• • •	P●°	•••		$cp \bullet^{\circ} a \text{ and } p : ci \bullet^{\circ} n.$
3	Steu: Acu	Cu		8		1			0	k 1	k k	k	k			ī					c = 1, $b = a : b$, $b = 1 p : b = 1 n$.
24	Steu	Steu	Steu	8	9	9			7 1	k [1 1	k	1	1							cl, c a : c, bc p : bc, cp \oplus n .
5	Fog	Ast: Acu: Cist	Stou	10	9	8	8	6	9	C	k	j	1	j			•••		•••		oFe, c a: c, bc p: bc, c n.
6	Stcu	Cu: Steu	Frnb	10	9	5	9	9	8 1	k I	1 1	k	1	3	·]]	P●°	•	•	$cp *, p \bullet a : bc, p \bullet, \bullet p : c \bullet, i \bullet n.$
27	Steu: Ci	Frst: Stcu	Frst: Steu	9		10	9	10 1	LO 1	k :	i j	j	i j k	1		, j	•	I	•••		$cp \bullet^0$, $i \bullet^0 a : ci \bullet^0 p : cm_0$, $p \bullet^0 n$.
28	Frnb	Cu: Frnb	Frnb: Stcu		10		9	5	7	I 1	[]	k	11	1	••		●°	1	• •		$c \oplus , i \oplus^0 a : cp \oplus^0, bc p : bcp \oplus^0 n.$
29	Frst:Stcu: Cist	Stcu: Ci	Steu	10		6	5	5	6	1 :	l Ik	k	k	j]]			$ci \bullet^0$, $p \bullet^0 a$: $bcp \bullet q p$: $bc n$.
30 J	Frst: Steu	Frst: Ast	Frnb: Nbst	9	9	9	10	10	8	k	ն 1	j	1	3		:		•••	• 2	●°	$cp \bigoplus^{0} a : cp \bigoplus^{0}, \bigoplus^{2} p : c \bigoplus^{2}, \mathcal{H}, \bigoplus^{0} n.$
				-	Н	Н		\dashv	+	+	+	+	+	\dashv	\dashv		-				
fean			· ·	8-3	7.7	7.7	7.7	6-9 ₇	. 5		1										
loud m'nt.		•		ľ				٦,	1	- 1	ı					. 1	1			ļ.	
ant.				l		. ,		- 1.		_ 1	_ i	1				1	1			L	<u> </u>

264.	ESKDALEMUIR																				DECEMBER, 1935
1 2 3 4 5	Frst: Steu Frst: Steu Steu Ast St	Frst: Cu:Stcu Frnb: Cunb: Ci Cu: Stcu:Ci Cunb: Stcu: Ci Cur Stcu	Frst: Cumb: Ci Steu: Ci Steu: Ast: Acu Frst: Ci Steu	2 1 3 9 1	7	9 7 4 4 2	8	5 8 3	2	k j j i k j	F I k k k k k j	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	j	F		*	P *	p ● '	•	1 .	\mathbb{R} 5 cms. bc, i \bigstar , p \bigstar a: cp \bigstar q, \star a p: ci \star a, p \star a. \mathbb{R} , b, cp \star a: cp \star q p: bc \star , bq n. \mathbb{R} , cp \star b ca; p \bullet , ci \bullet p: ci \bullet p, ci \bullet p, bc n. c, bc a: bc p: bc \to p, p \star a, p \star a. b a: bcm ₀ , p \star p: ci \star a, bcm ₀ n.
6 7 8 9	Frst: Steu St St Steu Steu	Fog Fog Frnb Steu Steu	Steu Frnb Steu: Ci Steu Steu	3 10 10 8 9	10 9 4	21	13 8 6	1 10 7 5 1	0 10 8 5 9	E I	C C C C C C C C C C C C C C C C C C C	[m [k	j F 1	h F 1 K j	 		 P ★ ,	l ▲	•	•	bcm, of a : ofe, b ϕ : b, blim, n . of i , \forall , of a : of, i , \bigoplus , \bigoplus , $m \neq$: o \bigoplus , n . idm ₀ , $p \neq 0$, $p \neq a$: p p ; bc p : cp $p \neq n$. c, bci \bigoplus a : bcp \bigoplus p : cp \bigoplus p : cp \bigoplus n . c, blim, a : c, b p : b, c n .
11 12 13 14 15	Steu St: Frst Steu Steu Frst	Steu St: Steu St: Steu Nbst Steu: Ci	St: Steu St: Steu St: Steu Nbst St: Steu	5 10 10 10 9	3 10 10 9 10	9 10 10 10 2	9 10 9 10 9	10 10 10 10	10 10 10 10	j j j G	k j k j	j j L 1 F j k		j	d. 		*	d₀ 	d _o		bc_i, c a : c, cd ₀ m ₀ p : id ₀ , cd ₀ m ₀ n . cd ₀ m ₀ , id ₀ a : cid ₀ m ₀ p : id ₀ , cm ₀ n . c, cid ₀ a : cid ₀ p : ci \bigoplus c, cm, c, cid ₀ a : cx \bigoplus m ₀ p : and n . \boxtimes 3 cms. cx, p*q a : bc, cp* \bigcap p: cp*q n .
16 17 18 19 20	Steu: Acu: Ci Frst Steu: Cist: Ci Cist Steu	Cunb: Stcu:Ci Stcu: Ci Ast: Cist Stcu Stcu	Steu Steu Cist Steu Steu	4 2 5 9 1	7 8	1 6 9 3	9	1 9 1 1	1 2 6 4 0	1 1	l k	k j k 1	:]]] m	j j h h	::: ::: :::						器 4 cms. bc, b a: b p: bc, b n. 器, b, bc a: bc, b p: b n. 器, bcu (D, c a: c p and n. 器, cu(D, bc a: bc, bu p: bcu n. 器, bu, b a: b, bu p: bu n.
21 22 23 24 25	St: Steu Frst: Steu St:Steu	Frou: Ci Ci Frst: Ast St: Stou: Ast	Frmb: Nbst St: Ast St: Frst	0 0 10 10	1 1 10	0 1 10 10	0 1 10	10	0	j k I	k k k k l l l l	k k k l k k I I I I	. j	j j I I	 			 **			
26 27 28 29 30	St:Steu Frst: Steu Fog St: Steu Frnb	Frnb St: Stcu Stcu: Acu: Ci Fog Frst: Ast	Frst: Frnb:Ast St: Steu Cu: Acu: Ci Frst: Steu St: Steu: Ast	9 10 10 9	10	10 10 7 10 10	9	7	10 8 9 10 9	I	I I	E I	[I	h k I						 	ci \bigoplus , idm ₀ a : ci \bigoplus 0, idm ₀ p : cid ₀ , \bigoplus m ₀ n . c, $p \bigoplus$ 0, cm ₀ a : c, cm ₀ p : ci \bigoplus 0 m ₀ n . of e, bc a : bc, c p : c n . of e, of a : of, bcm ₀ p : bcm ₀ n . ci \bigoplus 0 m ₀ a : cm ₀ p and n .
31.	St	Frmb: Nbst	St	10	10	10	10	10	9	h	G]	I h	F	G	<u></u>	<u> </u>			d,	<u> </u>	om, $c \oplus {}^{0}m_{0} a : c \oplus {}^{0}, \oplus, d_{0}m_{0} p : cd_{0}m_{0}, cm_{0} n.$
Mean Cloud Am'nt.	,		· -	6 -6	6-5	6-8	6-6	6-4	8-4											_	
-			Č.	7.7	7-6	7-8	7-6	7-0	6-8												
Day	7h	13h	18 h .c	715	9h	13h	15h	18h	21p	7h	9h 1:	3h i 5	5h 18	h21b	7ы	9h	131	15h	18b	21h	Remarks on the Weather of the Day.
	,	Cloud Forms					Amo				Vis	sıbili	ity				Prec	ipitati	on.	. :	

265. ESKDALEMUIR

Month		JANUARY	Factor 6.00	{		FEBRUARY	Factor 6-09			MARCH Fac	tor 6-15	
our 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	√/m	v/m 95	∀/m 95	v/m 155	V/m 31 0
1 2	215 5	10 185	85 160	355 21 0	Z- -35	5	105 200	50 205	125	165	150	190
3	165	165	200	135	165	-40	90	545	Z ±	Z ±.	Z ±	205
4	55	115	195 490	505 515	Z- -95	265 170	500 Z+	405 2+	175 140	165 130	180 Z-	335 225
5	445	280	450	313								
6	190	165	285	95	100 24 0	Z+ 295	190 335	260 580	130 275	225 160	175 145	405 245
7 8	125 215	105 245	90 285	205 260	465	470	650	600	280	375	135	155
9	85	215	375	Z-	345	540	595	910	105	85	85 100	65 125
10	235	85	- 5	125	400	-185	-115	225	75	75	100	
11	40	90	45	Z±	100	150	105	75	75	105	1 75 190	325 385
12 13	Z+ 145	550 410	505 920	825 315	-30 Z-	105 115	145 115	310 420	245 115	180 160	345	495
14	95	80	125	485	Z-	Z ±	215	0	280	175	270	280
15	300	205	375	615	70	150	Z-	125	85	95	145	310
16	375	195	295	840	-20	-315	Z-	160	235	385	245	265
17	465	275	110	300	85	5	Z ± 75	145 Z-	205 85	145 185	205 95	19 5 70
18 19	115 120	75 125	160 150	95 400	80 13 0	40 Z-	230	285	115	195	300	360
20	95	200	300	175	Z-	Z-	145	160	195	170	150	750
21	180	155	215	24 0	2-	100	155	160	525	200	145	185
22	145	185	130	165	195	290	155	200	Z-	Z ±	115	85
23 24	80 145	145 80	175 150	200 40	175 245	185 Z	270 470	400 395	Z- 150	70 105	85 135	20 5
25	Z-	Z ±	Z ±	335	Z+	60	210	345	40	35	65	155
26	355	210	Z ±	345	265	320	180	385	85	90	105	85
26 27	355 125	160	230	295	275	Z ±	165	320	75	135	195	255
28	155	240	840	500	355	-255	-45	440	170	175	235	260 110
29 3 0	325 27 0	175 495	355 25 5	845 340					145 225	70 105	Z- 230	45
ì			1						65	65	120	185
31 (a)	-5 5	160	155	250	03.6	102	943	324	161	149	167	229
(b)	188 182	193 181	273 259	345 327	217 220	181 156	241	406	163	156	172	248
		L				L		L		177	(b)	105
Mean	(A)	250	(b) :	237		(a) 241	()) 249	(8,	, 111	(6)	100
Month		APRIL	Factor 6.17		•	MAY	Factor 6.17			JUNE F	actor 6.08	
our 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/n	v/m	v/m	V/m	V/B	v/m	V/20	∀/ 2	V/E	V/m	v/m	V/E
ì	75	75	110	245	150	55	160	260	230	115	165	125
2 3	145 135	165 215	195 150	29 0 210	75 180	240 230	215 120	270 235	40 65	65 Z-	200 145	120 295
4	135 125	205	175	235	320	165	175	355	-140	195	Z-	135
5	130	140	205	185	335	155	155	140	220	95	Z ±	95
6	145	125	130	525	135	140	100	165	100	155	145	145
7	345	155	Z-	525 Z ±±	180	355 105	180	160	155	2+	355	10 5 180
8	(60) (-80)	225 Z ±	175 175	385 26 0	130 390	105 265	135 90	270 195	65 165	130 230	2- 175	115
10	(-95)		Z ±	Z-	180	175	120	200	185	140	Z -	270
11	Z	Z ±	25	195	115	140	140	115	185	170	Z	-115
12	140	125	105	135 225	65	140 120	100	115 90	18 5 70	Z- Z ±	Z- 165	140
11 12 13 14	95	60	90	165	95	175	185	Z-	145	Z ±	150	205 190
15	185 255	85 115	195 155	225 310	Z ± 100	150 125	140 Z-	180 100	110 140	155 275	Z+ 165	250
			1			1	1			130		•
17	Z- Z-	Z- (-260)	Z ± Z ±	Z- 75	105 80	150 375	140 115	110	310 190	130 85	-170 Z-	Z- 270
18	115	-100	105	160	185	235	115	190	285	140	90	165
16 17 18 19 20	165 -105	115 Z-	115 25	285 2-	195 165	235 130 135	130 105	240 175	175 125	115 45	90 42 0	330 335
			1				105			1		i
21 22 23 24 25	415 355	210 520	Z ± 125	255 35	100 75	115 105	150 130	80 205	165 355	180 405	175 150	205 205
23		Z-	110	175	100	110	110	110	115	130	165	230
24 25	50 225	65 20	85 85	385 185	135 115	65 150	150 155	85 160	Z+ 660	430 520	115 190	380 485
	-	1	(l	1					}
26 27 28	110 85	105 155	145 110	105	100	140 150	165 155	160 215	300 165	60 65	90 155	105 115
28	135	150	160	110 205	185 405	115	120	215	170	180	135	455
~~	315 145	295	115	140	31.5	160	150	190	80	270	260	460
29	145	295	115	195	260	185	(130)	165	Z-	(Z ±)	205	385
29 30		1										
29 30 31	,				135	140	150	315				
29 30 31 (a)	172	165	127	219	170	163	1.39	182	184	179	177	232
29 30 31	,	165 150	127 135	219 229					184 204	179 184	177 173	232 240

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.

265. BSKDALEMUIR

Month		JULY	Factor 5-95			AUGUST	Factor 5.96		s	eptember :	Factor 5.98	
iour 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 1 2 3 4 5	v/m 55 40 105 60 -5	v/m -140 485 120 105 130	v/m 210 110 155 15	v/m 150 155 150 80 165	v/m 210 115 220 206 120	v/m 300 110 190 145	v/m 145 205 200 135 50	v/m 220 125 470 120 275	v/m 225 2+ 275 395 220	v/m 140 -35 230 165 (115)	v/m 175 -5 Z- 90	v/m 2- 150 140 275 225
6 7 8 9 10	140 260 400 165 265	105 185 150 140 165	135 125 140 145 140	365 235 165 260 360	200 350 140 140 195	100 295 215 130	155 190 150 110 40	280 285 180 205 80	360 180 290 100 140	290 310 115 95 65	120 165 170 140 140	395 315 350 200 235
11 12 13 14 15	160 155 75 120 75	110 65 155 140 150	135 120 215 190 180	105 130 480 285 230	140 125 200 65 165	100 270 275 160 150	85 125 145 180 140	-340 215 190 205 200	120 115 165 90 165	245 250 240 160 -165	140 125 115 30 155	185 420 Z+ 90 Z±
16 17 18 19 20	125 80 125 300 135	155 100 150 140 100	5 155 2± 145 135	45 265 Z+ 165 225	50 375 120 275 240	110 465 215 355 325	180 170 230 130	510 270 375 285 155	120 Z- Z- Z- 70	135 Z- 65 50 85	Z+ 145 180 Z± 140	45 Z- 130 130 250
21 22 23 24 25	165 180 450 170 190	130 135 195 100 190	145 140 155 140 190	380 230 90 420 225	435 115 345 85 (275)	275 150 120 395 470	120 95 75 180 150	225 170 85 305 185	185 50 165 115 405	225 160 125 110 330	235 165 155 330 175	10 370 405 285 595
26 27 28 29 30	100 55 70 100 265	115 100 40 200 245	150 Z- 60 160 165	40 130 100 125 205	395 85 180 85 120	-25 155 195 200 -110	115 110 2+ 150 2-	Z- 420 275 250 Z-	230 385 130 400 165	285 500 120 355 Z-	95 235 95 140 -155	165 400 435 -55 Z±
31	210	290	265	165	340	225	140	310	_	-	-	•
(a) (b)	159 158	152 144	140 140	204 207	197 192	217 214	139 140	245 225	202 207	191 205	151 151	258 277
Mean	(a)	164	(b)	162	(a)	197	(b)	193	(a)	201	(b)	210
Month	. (CTOBER F	actor 5.91		1	NOVEMBER F	actor 5.78		D	ECEMBER Fa	ctor 5.68	
our 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	20-211
Day 1 2 3 4 5 5	v/m 130 105 Z- 225 Z-	v/m -75 260 175 315 Z-	v/m 95 Z- 170 260 40	v/m 375 Z± 300 150 470	√/m 150 295 275 Z± 135	v/m Z- 215 295 90 300	v/m 2± 230 185 215 180	v/m 410 2± 2- 505 165	v/m Z 1 130 150 160 115	v/m Z± (200) 140 90 215	v/m Zt 245 180 315 525	v/m 295 170 295 Z± Z-
6 7 8 9 10	215 75 Z- 220 -10	95 140 Z- 150 Z-	-125 205 Z- -85 Z+	110 170 220 170 2-	430 75 165 195 480	250 225 -115 Z- 270	90 275 180 35 Z±	Z- 515 385 460 415	205 375 260 195 220	515 325 235 210 365	505 210 70 270 330	495 Z- Z- 145 295
11 12 13 14 15	205 115 45 125 150	Z+ 160 110 190 140	150 85 80 170 100	125 150 2- 530 2-	165 -225 Z+ 370 Z-	345 100 195 Z- Z-	225 190 245 155 2-	345 2± 255 2- 360	150 45 75 185 25	110 140 105 205 Z-	180 135 100 85 130	135 340 260 120 140
16 17 18 19 20	95 265 110 2 1 150	135 -10 225 2 1 135	170 Z- 120 10 160	Z- -320 315 520	320 465 100 165 Z-	-305 Z- -85 485 75	Z± Z- 25 175 -115	455 95 285 530 55	315 235 260 115 270	275 185 250 145 230	370 385 350 215 460	565 515 400 600 605
21 22 23 24 25	180 330 135 -20 85	220 250 265 155 50	Z- 170 275 60 250	185 280 -90 -435 285	40 150 180 165 835	35 -60 145 190 510	40 5 160 480 240	20 315 240 770 150	315 280 125 195 820	405 230 225 435 2-	445 155 380 2+ 130	630 230 275 85 490
26 27 28 39 30	490 • 100 90 65 10	195 140 135 70 Z-	25 -125 135 2- -45	110 105 -250 Z± 120	Z- 65 5 Z- 95	65 230 Z± 75 105	70 (Z-) 155 105 130	65 190 85 300 Z-	165 Z- Z- 180 Z-	240 210 325 475 200	Z- 415 240 270 300	110 540 200 390 435
31	100	150	Z-	Z±	-	-	- 305	-	390	135	Z- 274	350 337
(a) (b)	153 161	168 158	137 105	247 116	231 198	210 180	165 180	307 338	221 192	244 245	281	359
Mean	(a)	176	(b)	135	(a)	228	(b)	224	· (a)	269	(ъ)	269
					•			(a) eans. (b)	188	184	177	261

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.

* Oa Days Only

1935

MONTH AND SEASON	Hour 0 to	G.M.T. 1 to 2	g 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 Changet	No.of Days Used	Mean Values
Jan. Feb. Mar.	√/m +9 +16 -14	v/m -5 -43 -25	v/m -57 -19 -29	√/m -95 -105 -51	v/m -93 -77 -67	v/m -67 -65 -66	√/m -61 -32 -47	√/m -67 -22 -25	▼/m -67 +13 -25	v/m -37 +55 -37	v/m -31 +26 -54	v/m +11 -25 -33	v/m -34 -17 -21	v/m -21 -53 -5	v/m -31 -20 -3	v/m +16 -21 +26	v/m +67 +66 +23	-7	√/m +103 -4 +100	v/m +127 +68 +93	v/m +126 +71 +87	√/m +66 +64 +63		v/m -3 +47 +21	√/m -29 +81 +4	13 4 10	273 342 209
Apr. May June	+19 +53 +57	-5 +18 +93	+11 +24 +58	+57 +19 +47	+61 +14 +29	+67 +23 +20	+45 +8 +6	+21 -13 +10	+4 -23 +32	-9 <u>-44</u> -41	-23 -38 -74	-63 -38 -107	-71 -40 -112	<u>-75</u> -38 -127	-63 -33 <u>-128</u>	-51 -30 -114	-50 -34 -71	-64 -34 -51	-18 -20 -20	+61 +9 +13	+53 +39 +104	+37 +55 <u>+154</u>	+30 +53 <u>+154</u>	+7 +74 +55	+71 -7 -21	7 17 4	189 173 272
July Aug. Sept.	+38 +11 -8	+18 +5 +8	+3 +18 +4	-21 +5 -6	-19 +6 -20	-25 +8 +5	-13 +30 +40	-24 +13 +38	-26 +31 -5	-20 +26 -35	<u>-33</u> +30 -53	-25 -23 -55	-24 -45 -69	-26 -55 -66	-23 -52 <u>-69</u>	-20 -45 -64	-18 -42 -52	-13 -35 -16	+16 -24 +78	+37 +21 +87	+60 +47 +107	+63 +39 +96	+43 +35 +11	+49 +23 +3	+27 +8 +21	15 14 9	179 199 212
Oct. Nov. Dec.	-28 <u>-76</u> -33	-49 -56 -70	+11 -30 -111	-59 -68 -112	-61 +13 -136	<u>-69</u> -58 -128	-58 -5 -104	-68 -39 -67	-11 -50 -87	-2 +51 -47	-12 -94 -19	-60 -18 -6	-64 -25 +12	-87 -29 +55	-37 -20 +5	+5 +49 +1	+14 +7 +78	+35	+14	+67	+76	+54 +104 +115	-6 +96 +82	-59 +63 +8	-227 +61 -20	1 1 10	229 184 312
Year	+4	-9	-10	-32	-29	-31	-16	-20	-18	-12	-33	-37	-43	-44	-30	-21	+1	+13	+50	+80	<u>+86</u>	+76	+53	+24	-	-	231
Winter	-21	-43	-54	<u>-95</u>	-73	-85	-51	-49	-48	+5	-29	-9	-16	-12	-17	+11	+59	+62	+67	+103	+100	+87	+73	+29	•	-	278
Equinox	-8	-18	-1	-15	-22	-16	-5	-9	-9	-21	-35	-53	-56	<u>-58</u>	-43	-21	-16	+11	+96	+118	+95	+63	+17	-7	-	, -	210
Summer	+40	+33	+28	+13	+7	+7	+8	-3	+3	-20	-34	-48	-55	<u>-61</u>	-59	-52	-41	-33	-12	+20	+63	<u>+77</u>	+71	+50	•	•	206

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* la and 2a Days Only.

1935

MONTH AND SEASON	Hour 0 to 1	G.M.T. 1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 23 23	23 to 24	Non Cyclic Changet	No.of Days Used	Mean Values
Jan. Feb. Mar.	√/m -43 - -33	v/m -61 -39	√/m -79 - -46	√/m -76 -77	v/m -95 - -26	√/m -99 -30	v/m -99 - -35	√/m -89 - -20	▼/m -77 - +1	√/m -36 - -10	v/m +17 -33	v/m -7 - -3	v/m +10 -29	v/m +59 - -27	v/m +93 - -25	v/m +64 -13	√/m +125 - +14	-	√/≊ +115 +107	-	√/m +76 - +95	√/≖ +70 +30	v/m -36 - -16	-59 -	v/m +78 - +17	4 0 6	221
Apr. May June	+13 +26 -22	-36 +4 -25	-34 +5 -33	-50 -19 -28	-43 -10 -28	-41 -24 -30	-77 -34 -25	-77 +1 -17	-47 +4 -37	-30 -4 -8	-34 -30 +5	-20 -26 -3	+3 -24 -4	+17 -10 +15	+3 -6 +56	+16 +4 +58	+54 +10 +4	+39 +11 -19	+49 +24 -32	+20	+44 +5 +53	+57 +38 +72	+81 +34 +48	+14.	-74 -21 -11	5 7 5	133 141 180
July Aug. Sept.	+24 +31 +34	+14 -24 +5	-19 -16 -4	-11 -25 -23	-14 -39 -45	-21 -43 -33	-5 -19 -4	-38 -9 +59	<u>-50</u> +3 0	-24 -37 -3	-18 <u>-45</u> -39	-15 -26 -40	-6 -31 -20	-37 -31 -26	+1 -37 -15	-10 -10 -29	-23 -18 -59	-6	+35 +28 -3		+49 +76 +82	+55 +136 +53	+31 +72 +60	+19 +47 +42	-72 -63 -31	10 9 8	147 168 199
Oct. Nov. Dec.	-58 +69 -33	<u>-76</u> +27 -80	-26 +7 <u>-92</u>	-14 -81 -91	-15 -55 -80	-9 -157 -61	+1 -61 -61	-10 -68 0	+15 -131 +28	0 -52 +27	+15 -33 -4	+20 -1 -21	+18 -5 -12	+41 -4 +25	+17 -38 +28	+17 -24 +40	+17 0 +33	+83	+50 +111 +5	+106	-17 +129 +68	-11 +79 +71	-10 +109 +55		-54 -266 -54	10 4 7	151 183 239
Year	+1	-24	-28	-41	-37	-44	-35	-22	-24	-15	-17	-12	-8	+2	+6	+11	+13	+26	+41	+59	+55	+54	+36	+6	-	•	162
Winter	-2	-29	-41	-62	-57	<u>-74</u>	-55	-39	-45	-15	-5	-7	-2	+20	+21	+25	+39	<u>+71</u>	+58	+58	+69	+55	+32	-10	-	-	161
Equinox	-11	-37	-27	-41	-32	-28	-29	-12	-8	-11	-23	-11	-7	+1	-5	-2	+7	+9	+51	+95	+51	+32	+29	+3	-	-	167
Summer	+15	-8	-16	-21	-23	<u>-29</u>	-21	-16	-20	-18	-22	-17	-16	-16	+3	+11	-7	-1	+14	+25	+46	<u>+75</u>	+46	+21	-	-	159

[†] see page 23 * Note. For explanation of Oa and 2a Days, see page 168

268. E	r		,	<u> </u>	T		Γ		I		r	
MONTH	JANU		FEBR	Duration	MAR	CH Duration	AP	RIL Duration	×	Duration	J 0	NE Duration
Day	Character	Duration of Negative Pot.Grad.	Character	of Negative Pot.Grad.	Character	of	Character	of Negative Pot.Grad.	Character	of Negative Pot.Grad.	Character	of Negative Pot.Grad.
1 2 3 4 5	2b 1b 1b 1a 0a	Hours 4.5 2.9 0.2 0.1	2b 2c 2b 2b 2b	Hours 9-4 3-4 3-6 3-6 3-1	1b 1a 2c 1b	Hours 1-5 0-4 6-3 2-0 2-2	1b 0a 1b 1b	Hours 0.3 1.2 1.0 0.1	On 1b On On	Hours	1a 1b 1b 2c 1b	Hours 0·5 2·2 1·5 7·1 2·1
6 7 8 9	1b 1a 0a 1b 2b	0-4 0-4 2-7 4-1	lc On On On 2b	2-3 8-5	On. On. On. On. On.	•••	0a 2c 0a 2c 2c	5-9 6-4 13-7	On On On In	0.1 0.1	1b 1c 2b 1a 2c	2.7 2.6 4.0 0.1 5.5
11 12 13 14 15	2c 1b Ob On On	6-7 0-3	1b 2b 2c 1b 2c	2.6 3.1 6.9 2.0 6.4	0a 0a 0a 0a 1b	2-9	2c Oa la lb lb	9·3 ··· 0·3 0·5 1·2	0a 1a 1b 1b 2c	0·1 2·3 1·0 8·3	2c 2c 2c 1c 1b	9·7 3·9 4·3 2·8 2·3
16 17 18 19 20	On On La On On	0.1	2c 2c 2b 2b 2c	14·3 3·6 5·9 4·9 11·3	la 2b la Oa la	1·1 3·4 0·5 	2c 2c 1b 0a 2c	20-5 13-0 2-5 9-5	lb lb lb Oa Oa	1-1 2-0 0-5	2c 1b 1b 0a 1a	3·8 1·1 2·7 ···
21 22 23 24 25	On. On. On. 2b 2c	4-0 4-7	1b Om 1b 1c 1b	1.0 1.3 2.7 0.7	1b 2c 2c 1b 1b	1.2 8.6 8.5 2.9 1.3	1b 2b 2c 1b 1a	0.7 3.8 0.6 1.2	la On On la la	0-1 0-5 0-1	1b 1b 1b 0a	0·7 1·0 0·8
26 27 28 29 30	lb Oa la Oa Oa	0.2	0a. 2c 2b	3•4 6•0	1b la 0a 2c lb	0.8 0.2 10.4 1.7	la la Oa Oa Oa	0.2 0.3	la On On On On	0-1	lb la Oa la 2b	1.7 0.4 0.1 3.6
3 1	1b	1-1			la	0-5			On	•••		
Total No. of		33-3		110-0		56 - 5		92-2		17•7		67-5
Days Used		31		28		31		29		31		30
Mean		1.1	,	3-9		1.8		3-2		0-6		2-2
	JU	LY	AUGU	ST	SEPTE	MBER	OCTO	BER	MOVE	MBER	DECE	MBER
	ŀ											
	Character	Duration of Negative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Megative Pot.Grad.	Character	Duration of Negative Pot.Grad.	Character	Duration of Hegative Pot.Grad.	Character	Duration of Negative Pot.Grad.
1 2 3 4 5	Character la lb la la lb	of Negative	Character Oa. Oa. Oa. Ia. Ia.	of Negative	Character 2b 2b 2c 1a 0a	of Negative	Character 2c 2b 2c 1a 2c	of Negative	Character le lb lb lb lb	of Negative	Character 1c Oa 1a 1b 1b	of Negative
2 3 4	la 1b la 1a	of Negative Pot.Grad. Hours 3-1 1-5 0-4 0-6	On On On In	of Hegative Pot.Grad. Hours 0-1	2b 2b 2c 1a	of Hegative Pot.Grad. Hours 3.2 4.3 5.1 0.1	2c 2b 2c 1a	of Regative Pot.Grad. Hours 5-5 , 5-2 4-6 1-4	1c 1b 1b 1b	of Hegative Pot.Grad. Hours 2-3 1-6 2-4 3-7	le Oa la lb	of Negative Pot.Grad. Hours 2-5 0-3 2-5
2 3 4 5 6 7 8 9	la 1b la la 1b Oa Oa Oa	Hegative Pot.Grad. Hours 3-1 1-5 0-4 0-6 2-1	On On On In In On	of Hegative Pot.Grad. Hours 0-1 0-1	2b 2b 2c 1a Oa Oa Oa	of Negative Pot.Grad. Hours 3.2 4.3 5.1 0.1	2c 2b 2c 1a 2c 2b 1a 2c	of Negative Pot.Grad. Hours 5-5 , 5-2 4-6 1-4 15-5 4-0 0-6 9-6 6-5	1c 1b 1b 1b 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Negative Pot.Grad. Hours 2-3 1-6 2-4 3-7 2-7 2-5 1-9 1-3 3-5	lc Oa la lb lb lb la 2c 2c la	Of Negative Pot.Grad. Hours 2.5 0.3 2.5 1-1 0.1 5.0 5.2 0.2
2 3 4 5 6 7 8 9 10 11 12 13 14	1a 1b 1a 1a 1b 0a 0a 0a 0a 1a 0a 1a	Of Hegative Pot.Grad. Hours 3-1 1-5 0-4 0-6 2-1 0-1 0-1	On On On In In On In On In On In On In On In On In On In On In On In On In In On In In On In In In On In In In On In In In In On In In In In In In In In In In In In In	of Hegative Pot.Grad. Hours 0-1 0-1 0-1	2b 2b 2c 1a Oa Oa Oa Oa Oa Oa Oa	of Regative Pot.Grad. Hours 3-2 4-3 5-1 0-1 0-6	2c 2b 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot.Grad. Hours 5-5, 5-2 4-6 1-4 15-5 4-0 0-6 9-6 6-5 7-8 6-0 0-3 4-5 0-2	1c 1b 1b 1b 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Regative Pot.Grad. Hours 2.3 1.6 2.4 3.7 2.7 2.5 1.9 1.3 3.5 3.2 3.0 7.3 2.0 4.1	lc Oa la lb lb lb la 2c la la la Oa la la la	Of Negative Pot.Grad. Hours 2-5 0-3 2-5 1-1 0-1 5-0 5-2 0-2 0-1 0-1 0-3 1-7
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1a 1b 1a 1a 1b 0a 0a 0a 1a 0a 0a 1a 0a 0a 1b 0a 2c 1b	Of Hegative Pot.Grad. Hours 3-1 1-5 0-4 0-6 2-1 0-1 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-4 0-5 0-6 0-7 0	On On On On In On In On In On In On In On In On In On In On In On In On In On In In On In In On In In In On In In In On In In In On In In In On In In In On In In In On In In In On In In In In On In In In In In In In In In In In In In	Of Negative Pot.Grad. Hours 0-1 0-1 0-4 4-0 0-9 0-3 0-6	2b 2b 2c 1a Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa	of Negative Pot.Grad. Hours 3:2 4:3 5:1 0:1 0:6 2:4 3:5 4:6 5:8 7:2 7:5 6:7	2c 2b 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot.Grad. Hours 5-5, 5-2 4-6 1-4 15-5 4-0 0-6 9-6 6-5 7-8 6-0 0-3 4-5 0-2 2-5 0-8 8-1 5-8	1c 1b 1b 1b 1b 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Regative Pot.Grad. Hours 2-3 1-6 2-4 3-7 2-7 2-5 1-9 1-3 3-5 3-2 3-0 7-3 2-0 4-1 10-7 1-9 11-9 6-7 0-6	lc Oa la la la Ca la la la Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca	Of Negative Pot.Grad. Hours 2-5 0-S 2-5 1-1 0-1 5-0 5-2 0-2 0-1 0-1 0-3 1-7 3-6
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	1a 1b 1a 1a 1b 0a 0a 0a 1a 0a 0a 1a 0a 1b 0a 1b 0a 2c 1b 0a 0a	of Negative Pot.Grad. Hours 3-1 1-5 0-4 2-1 0-1 1-8 3-4 2-5 0-1 0-3	On On On On In On In On In On In On In On In On In On In On In On In On In On In On On In On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In On On On In In In In In In In In In In In In In	of Negative Pot.Grad. Hours 0-1 0-1 0-4 4-0 0-3 0-9 0-3 0-6 0-1	2b 2c 2c 1a Oa Oa Oa Oa 1a Oa 2c 2c 2c 2c 2c 2c 0a	of Negative Pot.Grad. Hours 3.2 4.3 5.1 0.1 0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	2c 2b 2c 1a 2c 2c 2c 2c 2c 1a 1b 1b 2b 2c 2c 1a 2b 1a 1b 2c 2c 1a 2b 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 1a 2b 2c 2c 2c 1a 2b 2c 2c 2c 1a 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot.Grad. Hours 5-5, 5-2, 4-6, 1-4, 15-5, 4-0, 0-6, 6-5, 7-8, 6-0, 0-3, 4-5, 0-2, 2-5, 0-8, 8-1, 5-8, 4-2, 0-1, 4-3,, 2-5, 5-0, 1-4, 3,, 2-5, 3-5, 3-5, 3-5, 3-5, 3-5, 3-5, 3-5, 3	1c 1b 1b 1b 1b 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Regative Pot.Grad. Hours 2-3 1-6 2-4 3-7 2-7 2-5 1-9 1-3 3-5 3-2 3-0 7-3 2-0 4-1 10-7 1-9 11-9 6-7 0-6 9-4 0-7 2-1 0-6 0-9 8-5 5-1 2-5 6-3	lc Oa la la la 2c la la la la la la la la la la la la la	Of Negative Pot.Grad. Hours 2-5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22 23 24 25 27 28 29	1a 1b 1a 1a 1b 0a 0a 0a 0a 1a 0a 1a 0a 1a 1b 0a 1a 1b 0a 1b 0a 1a 1a 1b 0a	of Negative Pot.Grad. Hours 3-1 1-5 0-6 2-1 0-1 0-1 0-3 1-8 0-3 1-8 0-1	On On On On In In On On In In On On In In In On On In In In On On In In In In In In In In In In In In In	of Negative Pot.Grad. Bours 0-1 0-1 0-4 4-0 0-3 0-9 0-3 0-6 0-1 0-3	2b 2b 2c 1a 0a 0a 0a 0a 1a 0a 2c 2c 2c 2c 2c 0a 1a 1a 1a 1a 1a 2b	of Negative Pot.Grad. Hours 3.2 4.3 5.1 0.1 0.6 2.4 3.5 4.6 5.8 7.2 7.5 6.7 0.1 0.2 0.1 2.1 0.2 0.1 1.9 4.7	2c 2b 2c 1a 2c 2c 2c 2c 1a 1b 1b 2c 2c 1a 2c 1a 2b 1a 1b 2c 2c 1a 2b 1a 2b 2c 2c 1a 2b 2c 2c 1a 2c 2c 2c 1a 2c 2c 2c 1a 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot.Grad. Hours 5-5, 5-2, 4-6 1-4 15-5 4-0 0-6 9-6 6-5 7-8 6-0 0-3 4-5 0-2 2-5 0-8 8-1 5-8 4-2 0-1 4-3	1c 1b 1b 1b 1c 1b 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Negative Pot.Grad. Hours 2-3 1-6 2-4 3-7 2-7 2-5 1-9 1-3 3-5 3-2 3-0 7-3 2-0 4-1 10-7 1-9 6-7 0-6 9-4 0-7 2-1 0-6 0-9 8-5 5-1 2-5	lc Oa la la la 2c la la la la la la la la la la la la la	Of Negative Pot.Grad. Hours 2-5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	la 1b 1a 1a 1a 1b 0a 0a 0a 0a 1a 0a 1b 0a 1a 0a 1b 0a 1a 1b 0a 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Negative Pot.Grad. Hours 3-1 1-5 0-4 0-6 2-1 0-1 0-1 0-1 0-1 0-3 0-3 1-6 0-1 0-3 0-3 1-6 0-1 0-1 0-1 0-1 0-3 0-3 1-6 0-1 0-1 0-1 0-1 0-1 0-3 0-3 1-6 0-1 0-3 0-3 1-6 0-1 0-1 0-1 0-1 0-1 0-1 0-3 0-3 1-6 0-1 0-2 0-2 0-3 0	On On On On In On In On On In On On In On On In On On In On On On In On On In On In On In On In On In In In In In In In In In In In In In	of Negative Pot.Grad. Bours 0-1 0-1 0-1 0-4 4-0 0-3 0-6 0-1 0-3 0-6 0-1 0-1 0-1 0-1 0-2 0-3 0-6 0-1 0-1 0-3 0-8 0-9 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1	2b 2b 2c 1a 0a 0a 0a 0a 1a 0a 2c 2c 2c 2c 2c 0a 1a 1a 1a 1a 1a 2b	of Negative Pot.Grad. Hours 3.2 4.3 5.1 0.1 0.6 2.4 3.5 4.6 5.8 7.2 7.5 6.7 0.1 0.2 0.1 2.1 0.2 0.1 1.9 4.7	2c 2b 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot. Grad. Hours 5-5, 5-2, 4-6, 15-5, 5-2, 4-6, 15-5, 5-6, 5-7-8, 6-0, 3-4-5, 0-2, 2-5, 5-6, 2-1, 5-8, 4-2, 0-1, 4-3, 3-8, 11-7, 1-7	1c 1b 1b 1b 1c 1b 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c 1c	of Regative Pot.Grad. Hours 2-3 1-6 2-4 3-7 2-7 2-5 1-9 1-3 3-5 3-2 3-0 7-3 2-0 4-1 10-7 1-9 11-9 6-7 0-6 9-4 0-7 2-1 0-6 0-9 8-5 5-1 2-5 6-3	lc Oa la la la 2c la la la la 2b Oa Oa Oa Oa Oa lb 2c lb lb la 2b la 2b	of Negative Pot.Grad. Houra 2.5 2.5 1-1 0-1 5.0 5.2 0-2 0-1 0-1 0-3 1.7 3.6 0-1 5.9 6.0 2.3 1.0 0-4 4.8 3-1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Total	1a 1b 1a 1a 1b 0a 0a 0a 0a 1a 0a 0a 1a 0a 1a 1b 0a 2c 1b 0a 1a 1a 1a 1a 1b 1a 0a 0a 0a	Of Negative Pot.Grad. Hours 3-1 1-5 0-4 0-6 2-1 0-1 0-4 0-1 0-4 0-4 0-3 0-3 1-8 0-1 0-3 0-3 1-8 0-1 0-1 0-1 0-1 0-1 0-2 0-3 1-8 0-1 0-1 0-1 0-1 0-1 0-2 0-3 1-8 0-1 0-1 0-1 0-1 0-1 0-1 0-2 0-3 1-8 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-2 0-3 1-8 0-1 0	Oa Oa Oa Oa Ia Ia Ib Oa Oa Ia Ia Ib Oa Oa Ia Ia Ib Oa Oa Ia Ia Ib Oa Oa Ia Ia Ib Oa Oa Ia Ia Ib Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Ia Oa Oa Oa Ia Oa Oa Oa Oa Ia Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa Oa	of Negative Pot.Grad. Hours 0-1 0-1 0-4 4-0 0-3 0-6 0-1 0-3 0-9 12-8	2b 2b 2c 1a 0a 0a 0a 1a 0a 1b 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot.Grad. Hours 3-2 4-3 5-1 0-1 0-6 2-4 3-5 4-6 5-8 7-2 7-5 6-7 0-1 0-2 0-1 2-1 1-9 4-7 11-1	2c 2b 2c 1a 2c 2c 2c 1a 2b 1a 1b 1b 2b 2c 2c 1a 2a 1a 1a 2a 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot. Grad. Hours 5-5, 5-2, 4-6, 1-4, 15-5 4-0, 0-6, 9-6, 6-5, 7-8 6-0, 0-3, 4-5, 0-2, 2-5 0-8, 8-1, 8-4, 2, 0-1 4-3, 1-7, 3-5, 8-1, 7-7, 3-5	1c 1b 1b 1b 1b 1b 1b 1b 1c 2c 2c 2c 2c 1b 2c 2c 2c 1b 2c 2c 2b 1c 2c 2c 2b 1c 2c 2c 2c 1b 2c 2c 2c 1c 2c 2c 2c 1c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c 2c	of Negative Pot.Grad. Hours 2-3 1-6 2-4 3-7 2-7 2-5 1-9 1-3 3-5 3-2 3-0 7-3 2-0 4-1 10-7 1-9 11-9 6-7 0-6 9-4 0-7 2-1 5-1 2-5 6-3	lc Oa la la la la Ca la la la Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca	Of Negative Pot.Grad. Hours 2-5

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252 TERRES

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

269.	eskdai	LEMUIE	R (H)			_			16	,000	γ (•1	6 c.u	.s.un	(t) +								JAN	UARY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	Y	7	7	7	7	7	7	Y	Y	7	7	Y	Y	7	Y	Y	y	7	7	7	Y	7	7	7	Y
1	526	530	528	528	539	535	540	537	498	513	531	522	522	523	523	523	526	531	531	522	513	530	528	522	526
2	523	522	528	542	535	528	532	535	529	508	509	522	522	526	522	517	526	526	522	531	523	526	528	527	525
3	529	540	530	528	526	531	526	531	520	522	522	501	514	529	532	528	523	526	530	527	534	527	521	535	526
4	553	511	521	525	529	530	527	533	532	523	516	508	516	521	514	516	516	521	502	516	530	525	525	531	523
5	526	525	526	534	535	540	539	533	525	518	519	521	521	530	530	531	530	530	531	531	521	532	525	530	529
6 Q	530	530	531	534	531	534	534	535	530	528	525	526	526	530	530	530	530	530	531	531	532	531	530	531	530
7 Q	530	529	530	534	539	539	544	543	538	537	533	530	533	534	537	535	534	534	534	534	534	533	529	530	534
8 Q	533	534	534	538	541	543	548	547	544	539	539	537	535	532	532	537	538	541	538	533	532	532	533	542	537
9 Q	542	534	537	538	542	546	546	546	544	539	529	528	528	537	538	541	542	542	541	540	538	532	526	533	<u>538</u>
10 Q	532	532	532	532	537	540	541	541	540	540	539	538	537	536	532	532	536	538	536	536	539	535	524	532	536
11	528	543	518	522	528	532	532	533	535	538	536	532	523	522	523	535	536	536	532	532	528	528	528	519	530
12	527	528	528	528	532	531	531	531	532	532	533	532	533	539	535	533	532	534	527	532	528	527	541	525	531
13	513	523	528	528	535	540	531	532	532	531	531	527	523	522	532	532	531	530	528	527	531	526	532	531	529
14	528	531	529	531	532	532	532	532	532	528	532	536	532	536	536	536	537	538	540	537	537	536	534	554	535
15	514	523	523	532	541	543	542	538	537	537	527	525	517	524	533	533	510	519	519	528	528	532	524	537	529
16	529	529	529	529	533	538	540	539	537	533	523	524	528	535	537	534	534	542	541	537	537	529	531	529	533
17 D	523	508	510	519	533	537	533	509	524	523	528	484	486	504	519	520	522	529	530	529	524	520	532	510	519
18	512	511	520	520	524	538	532	535	532	524	515	515	519	516	522	533	529	529	532	522	537	520	523	537	525
19	538	520	523	524	528	532	529	523	528	527	523	523	533	532	528	529	533	533	528	528	532	529	524	530	528
20	525	520	537	525	529	537	519	537	529	527	519	519	524	524	528	533	533	534	533	529	524	529	528	532	528
21	528	525	524	528	532	533	534	541	533	538	529	528	524	528	529	529	532	534	526	499	502	501	489	501	524
22	516	501	518	510	514	518	524	523	520	521	523	515	524	528	529	519	519	530	531	529	524	525	512	497	519
23 D	496	508	523	528	529	533	531	536	525	533	530	528	507	503	519	519	528	523	524	515	539	529	515	520	523
24 D	523	521	528	528	528	533	532	531	531	533	514	519	521	527	527	516	497	514	523	539	515	523	533	515	524
25	523	527	525	519	524	528	528	526	523	528	520	521	523	529	525	517	518	520	523	541	531	527	523	550	526
26	518	526	524	522	527	532	528	531	530	530	518	513	517	523	528	518	533	532	535	536	536	532	546	528	528
27 D	531	531	530	531	532	536	539	541	540	538	535	527	531	531	545	559	556	556	542	500	472	489	471	476	527
28 D	459	493	489	497	512	520	503	520	510	507	504	503	517	530	536	534	534	532	531	530	530	526	529	524	515
29	524	522	521	525	526	526	535	534	526	522	517	515	516	522	529	534	534	534	534	533	534	531	531	529	527
30	529	529	531	533	535	538	538	534	524	524	512	515	497	510	512	523	524	528	525	526	525	525	531	529	525
31 Mean	529 524	519	532 525	530 527	534	533	535	534	511	508	524 524	524 521	519	522 526	524	521 529	521 529	524 531	525 530	529 528	528 527	529 526	529 525	533 526	526 528

10 c plassionic 20/6/3.

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

270. E	ESKDAL	emuif	(D)									13	° +										JAN	JARY,	1935
Hour G. M. T.	0-1	1-2	·2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3	55.0 53.4 53.7	55·4 54·4 55·4	54·7 60·3 54·6	55.9 54.8 54.1	54.7 53.5 53.6	55·1 53·4 53·6 53·8	55·5 53·2 53·7	55·5 53·6 54·5	58·4 53·5 54·5	62·5 54·5 53·4	58·5 55·4 55·5	57·6 56·3 56·2	57·1 57·4 56·3	57·0 57·3 56·6	56 · 3 56 · 2 56 · 4	55·5 55·1 55·5	54·5 55·1	54.6 54.5 54.5	54·5 53·4 54·4	53-8 48-5 53-6	49·5 51·3 47·8	51.0 53.3 50.5		53·7 53·5 51·9	55-3 54-4 54-0
5 6 Q 7 Q	47·1 53·6 53·7 53·7	49.5 53.9 54.6 53.8	53-6 55-4 54-8 54-5	53.9 54.5 54.6 54.9	54·1 53·7 54·7 54·8	53.6 54.6 54.7	56 • 7 54 • 5 54 • 0 54 • 5	55.5 54.2 53.8 54.7	56·3 53·6 53·4 53·7	55.6 53.1 53.5 53.7	56 · 6 54 · 5 53 · 6 54 · 3	56·4 55·5	55-9 55-9 54-6 55-6	57·6 56·5	55·8 55·6 54·8	55·2 54·5 54·6	54-2	50·6 53·7 54·5	50·9 53·6 54·1 54·3	53-8	53.0 49.5 53.6 53.5	51.7 50.7 53.4 52.5	51.5 52.7 52.7 52.7	53·8 53·5 52·8 53·3	53·9 53·9 54·1 54·3
8 Q 9 Q 10 Q	53·6 53·5 53·7	53·8 54·0 53·8	54·8 54·7 54·4	55•6 54•7	55·7 54·8	55•7 54•8	55·1 54·7 54·8	54·5 54·7	53·7 54·1 53·8	53·7 53·9 54·2	54.6 54.7 54.8	54·9 54·7 55·0 55·2	56 · 0 55 · 6 56 · 6	55 · 9 56 · 5 55 · 9 56 · 5	55.7 56.0 55.8 56.9	55 • 5 55 • 8 55 • 8 57 • 5	55•6 55•2	54·5 55·5 55·0 56·4	54·8 54·9 56·8	54·5 54·8	53·1 54·4	52·7 53·8 53·7	51-0 52-0	53·8 52·8 50·3	54·8 54·8 54·8
11 12 13 14 15	53.8 51.6 51.9 53.2 50.0	51.8 52.8 54.0 53.9 51.5	47.8 53.5 53.7 43.2 51.8	51.7 53.4 53.0 43.6 55.1	53·1 53·3 54·2 53·0 54·9	52·9 53·7 54·0 52·6 53·3	53.8 53.7 53.8 53.8 54.1	53-8 53-8 54-4 53-7 55-1	54·1 53·9 53·9 53·3 54·3	54·5 54·3 54·0 53·2 53·7	55-8 54-9 54-3 55-0 55-7	56.9 54.9 55.1 55.3 55.9	57·1 55·0 57·0 56·6 57·1	57 • 9 56 • 8 58 • 9 55 • 9 56 • 9	57-0 55-5 56-2 55-5 57-0			54·8 54·9 55·2 54·7 52·1	54-6 52-8 54-2 54-6 53-7		53·8 53·1 54·5 54·0 52·7		53.0 49.3 53.9 53.2 52.2	52·1 47·2 53·3 49·2 53·4	54-2 53-5 54-4 54-0 54-0
16 17 D 18 19 20	53-4 44-1 45-0 49-4 52-0	54·1 51·0 52·9 52·2 53·1	54·4 42·1 56·1 54·3 53·1	54.6 50.7 49.9 53.5 52.3	54·4 50·0 51·2 53·5 53·0	54·3 51·9 51·1 52·9 52·2	53-9	54.0 57.3 53.1 53.1 52.4	61.1	53-2 59-1 53-1 54-3 53-1	54·1 57·2 55·6 56·0 53·7	55·3 56·8 56·0 55·7 54·6	56 • 4 56 • 9 56 • 7 55 • 4 55 • 3	60•4 57•9	56 · 2 56 · 0 55 · 2 56 · 5 55 · 9	55•4 58•9 55•5 55•8 55•0	54-9	54·7 55·0 50·9 55·0 54·1	55·1 54·2 54·1 55·1 54·2	54·1 53·9 54·3	53·1 53·3 46·2 51·1 52·2	51·8 52·4	53-6 38-3 53-1 52-8 52-9	48.9 49.1 51.9 52.4 53.8	54-2 53-3 53-0 54-0 53-7
21 22 23 D 24 D 25	53.9 50.4 43.1 52.1 52.3	52.9 43.1 46.6 51.9 53.1	53.9 47.0 51.7 52.1 54.2	53·4 50·5 53·7 51·0 52·9	53·2 51·9 50·2 51·0 53·1	53.0 52.1 54.2 52.5 53.1	52-2 54-7 51-3 54-0 53-0	52·2 53·9 53·0 53·7 53·1	52.9 54.0 55.1 53.9 54.0	55.5 54.6 57.0 54.7 56.0	54·1 55·1 55·9 54·7 55·1	57·2 55·3 58·2 55·4 56·9	56·1 57·0 59·0 56·2 56·3	56·1 56·1 61·5	55·3 56·0 57·9 57·1 57·1	54·4 56·0 58·2 57·3 56·0	54·7 57·0 55·2 53·1	54·7 55·4 57·0 55·2 55·5	55-3 55-7 56-7 49-0 54-2	52·1 55·4 53·1 50·2	51.9 53.3 53.3 52.6 51.3	50·3 51·0 43·6 49·4 53·6	47·1 48·4 49·6 50·2 51·4	49-8 47-6 53-1 48-1 49-1	53-4 53-0 53-7 53-1 53-9
26 27 D 28 D 29 30	48.0 53.0 45.3 53.2 53.3	57·3 53·1 44·2 55·1 53·3	52·4 53·1 37·3 53·0 54·0	53·1 53·5 38·1 52·5 54·1	52-2 54-0 40-7 53-1 54-1	52-6 54-1 45-0 53-1 54-1	52-6 53-7 48-3 53-2 53-9	53·7 53·3 48·8 53·2 54·1	53-0 53-4 50-4 53-2 56-8	54·1 54·0 52·4 53·5 56·4	55-1 54-1 54-8 54-2 57-0	57-0 54-6 55-7 54-9 59-2	58-0 56-2 58-1 56-1 59-6	57·0 56·3 59·0 56·4 59·0	56 • 2 56 • 4 57 • 0 55 • 6 56 • 7	54·2 58·1 55·5 54·5 55·7	54·8 54·3	54·9 56·6 54·4 54·2 53·6	54-9 59-2 54-9 54-1 53-4	•46•1 54•9 53•7	54·0 37·4 53·0 53·5 52·7	53·8 53·4	51.0 33.3 53.3 53.2 52.6	52·1 43·2 54·1 53·3 53·3	54·0 51·9 <u>51·0</u> 53·9 54·8
31 Waara	53-9	53-2		51.3	52-7	53-4		52-8			59-3				55-1						53-3	53.3		54-0	54-5
Mean	51.4	52-6	52-8	52-9	52-9	53-2	53-6	53-8	54-3	54-8	55-3	56-0	56 • 6	<u>57·1</u>	56-2	55-8	54-9	54.5	54-4	53-2	52-0	51.8	50-9	51.6	53-9

271. ESKDALEMUIR. (V)

44,000 y (.44 C.G.S.unit) +

JANUARY, 1935

4

							<u> </u>																		
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 5	Y 882 875 876 848 874	977 874 870 859 876	Y 875 864 869 866 874	978 876 857 873 870 871	Y 874 860 874 870 871	9 874 868 876 870 870	Y 874 871 876 869 871	Y 875 872 876 867 872	Y 882 876 880 869 875	Y 877 879 879 870 877	Y 877 884 879 871 878	Y 877 881 880 876 876	Y 878 881 880 681 878	Y 878 880 877 881 881	Y 879 883 880 888 888	9 879 887 880 889 883	9 878 883 880 888 888	9 879 883 880 886 880	979 883 880 889 878	Y 882 884 880 889 878	988 882 881 882 882	9 883 881 879 882 879	9 879 881 880 882 877	978 880 874 874 876	Y 878 877 877 876 877
6 Q	877	875	875	875	875	875	875	875	876	875	876	876	876	879	881	879	879	877	876	876	876	876	877	877	876
7 Q	876	876	876	875	874	873	873	872	872	871	871	870	871	874	877	877	876	877	878	877	874	874	875	874	874
8 Q	874	873	872	872	870	871	871	870	869	867	868	868	870	871	875	875	875	874	875	876	876	876	875	872	872
9 Q	866	869	871	871	872	872	872	871	871	871	871	872	874	876	877	878	877	877	875	875	875	877	878	877	874
10 Q	874	874	874	874	873	871	871	870	870	867	867	867	867	870	871	874	874	874	876	878	876	875	879	877	872
11	875	857	868	871	871	871	871	871	869	870	871	868	867	868	875	875	875	875	874	873	874	873	872	873	871
12	872	871	870	870	869	869	869	869	869	868	872	872	870	871	873	874	874	876	878	877	877	877	870	862	872
13	868	870	872	874	871	870	871	871	874	874	877	877	872	873	876	876	876	876	877	879	877	878	875	875	874
14	874	874	874	872	871	872	872	872	872	872	872	871	870	871	872	872	873	872	872	872	872	873	872	865	872
16	872	872	872	869	869	868	868	869	870	873	873	873	873	876	876	879	884	884	881	880	880	880	879	874	875
16	872	872	873	873	872	870	870	870	871	872	870	870	867	870	873	874	874	873	872	874	874	877	878	882	873
17 D	879	857	818	852	860	863	863	866	860	862	867	877	889	886	893	893	897	887	882	879	880	881	882	860	872
18	857	868	859	861	867	866	869	869	871	872	874	873	873	877	885	884	880	883	878	879	880	878	878	875	873
19	867	870	872	873	874	873	873	874	873	874	877	878	875	876	881	881	878	878	878	878	878	877	878	879	876
20	879	879	872	873	874	872	873	872	875	875	875	872	871	874	878	877	875	875	875	875	879	877	878	876	875
. 21	877	877	877	876	876	875	872	869	870	871	875	877	878	881	883	882	881	880	880	893	895	884	891	891	880
22	883	881	878	880	881	880	873	873	874	876	876	880	880	884	884	885	887	884	882	882	884	887	885	880	881
23 D	869	868	862	870	870	859	866	866	868	866	865	866	871	878	881	886	886	885	885	897	881	870	874	876	874
24 D	878	877	874	873	873	871	870	870	870	871	874	875	874	875	881	888	898	895	891	883	885	886	867	871	878
25	875	870	857	867	871	875	875	874	872	871	871	872	872	873	880	884	887	887	887	880	877	876	877	871	875
26	869	857	858	866	872	873	873	872	872	872	873	876	876	876	879	884	883	881	880	880	878	879	874	877	87 <u>4</u>
27 D	877	877	877	877	877	876	875	874	873	873	873	873	873	874	875	871	869	869	878	908	924	887	881	870	878
28 D	867	870	840	845	841	836	846	851	859	871	874	875	878	883	883	882	881	881	880	881	881	881	881	881	<u>869</u>
29	882	880	878	879	879	879	876	876	876	877	879	878	876	878	879	879	879	879	879	879	879	879	879	879	878
30	878	876	876	876	875	875	875	876	877	875	875	875	880	884	887	886	884	883	863	882	882	882	879	876	879
31	873	871	865	867	869	870 870	872 871	872	874 872	873 872	875 874	872 874	874 875	876 876	880	880	880 880	880	879 879	877	877	877	877	876	874
Mean	873	872	868	870	9/1	870	9/T	971	572	872	0/4	0/4	9/0	010	000	000	880	800	018	991	881	018	010	010	010

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

272. ESKDALEMUIR

JANUARY, 1935

272.		ULLDA	LEMUIR																	JANUARY,	1977
									T	errestri	al Magne	tic Elem	ents.					· w.v.,no.m. u		Magnetic	Temperature
Day			Horiz	ontal Fo	rce					De	clinatio	n.			Ver	tical Fo	orce		HR _H +VR _v	Character of Day	in Magnet
		Max:	imum)000 γ+		imum 000 γ	+	Range		Maxi 13	o + mum	Mini 13	o + man	Range	Maxi 44,0	.mum 100 γ +		imum ,000 y +	Range	$10,000 \gamma^2$	(0-2)	House 200 +
1 2 3 4 5	h 21 3 23 0 5	m 56 59 45 7 33	Y 545 553 566 571 544	γ 489 490 485 490 511	h 8 10 11 1 20	m 49 1 47 4 27	Y 76 63 81 81 33	h 9 2 13 6 13	m 10 26 40 33 2	66 · 8 63 · 8 57 · 4 58 · 4 56 · 7	47·1 47·5 46·4 43·9 45·7	h m 20 19 19 23 20 36 1 8 20 42	16·3 11·0 14·5	h m 20 46 15 28 20 9 19 0 20 45	891 888 884 892 884	971 856 860 847 871	h m 4 9 4 4 24 0 0 40 6 0	Y 20 32 24 45 13	210 248 243 341 112	1 1 1 1 1	0A 84·2 84·3 84·4 84·2 84·1
6 Q 7 Q 8 Q 9 Q 10 Q	23 6 23 0 20	8 35 42 8 38	537 547 560 561 542	523 525 524 522 518	9 22 13 22 22	2 40 28 50 42	14 22 36 39 24	2 13 13 13 13	10 12 53 23 42	55 • 7 56 • 6 57 • 7 56 • 2 57 • 9	51.8 51.7 50.2 50.9 49.7	22 19 21 37 22 18 22 40 23 22	7·5 5·3	14 30 17 11 21 42 22 50 22 42	882 878 877 880 880	876 870 866 864 866	10 20 9 30 24 0 0 12 12 30	6 8 11 16 14	44 72 108 130 98	0 0 0	84·2 84·2 84·2 84·2 84·1
11 12 13 14 15	1 22 4 23 9	12 52 55 16 4	557 564 545 573 549	510 509 505 514 497	23	48 48 15 0 40	47 55 40 59 52	1 14 13 12 12	0 2 2 48 48	61.0 57.1 57.5 57.2 58.1	45.2 43.9 45.9 45.8 45.7	2 18 22 48 0 1 23 48 0 4	13·2 11·6	0 2 18 26 19 10 0 25 16 52	876 880 881 875 888	856 859 865 864 868	1 28 23 28 0 1 23 32 7 35	20 21 16 11 20	168 185 133 151 176	1 1 0 0	84·1 83·9 83·9 83·7 83·9
16 17 D 18 19 20	23 0 23 0 2	34 17 54 1 37	556 555 565 555 547	519 473 501 517 510	11 12 0 11 6	19 8 42 0 30	37 82 64 38 37	13 1 13 14 21	30 38 32 26 29	57.2 63.1 58.5 57.5 57.2	39.2 35.1 41.8 47.0 50.9	23 54 22 22 20 18 0 16 7 47	16·7 10·5	23 20 16 4 14 30 14 30 1 20	885 902 889 882 880	866 804 853 866 870	12 35 2 14 0 10 0 42 12 40	19 <u>98</u> 36 16 10	146 571 263 135 106	0 1 1 0 0	84 • 0 84 • 0 84 • 0 84 • 0 84 • 0
21 22 23 D 24 D 25	21 21 20 19 23	4 55 19 3 39	551 537 565 571 568	473 487 488 483 513	21 1 0 16 0	14 43 30 24 1	78 50 77 88 55	21 12 13 13 1	10 18 2 6 56	61.0 57.9 63.2 61.2 59.1	46.1 41.0 40.0 39.0 47.1	22 15 1 29 0 22 18 52 19 52	16·9 23·2 22·2	20 7 16 0 19 18 16 47 18 40	898 888 900 901 867	868 870 858 864 856	7 38 6 40 5 38 22 42 2 12	30 18 42 37 31	264 164 311 311 227	1 1 1 1	84•0 83•9 83•8 83•8 83•8
26 27 D 28 D 29 30	22 14 13 1 6	18 56 16 38 46	573 580 544 540 542	504 447 424 511 487	20 0 11 12	45 20 53 42 37	69 133 120 29 55	1 18 13 1 12	16 22 19 44 47	60·3 62·1 61·3 60·5 61·1	45·3 25·2 35·2 52·1 50·2	0 20 22 16 2 43 0 57 21 12	36.9 26.1 8.4 10.9	16 0 19 56 13 24 1 0 14 5	888 943 885 883 888	853 866 833 875 875	1 40 23 35 5 48 12 48 11 3	35 77 52 8 13	267 565 433 84 149	1 1 0 1	83 • 7 83 • 6 83 • 6 83 • 6 83 • 6
31 Mean		41	551 555	482	8	50	69 58	9	24	63·3 59·4	50·3 45·1	3 36	13-0	15 31	881	862	2 30	19	199	1 0.05	83•5
No. of								 					+					26	213	0-65	84•0
ays Used			31	31			31			31	31		31		31	31		31	31	31	31

[§] For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334.

254 105/02/3/435/0224

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

273.	eskda	LEMUI	R (H	.)	•	•	Γ.			16,	000 y	(•16	C.G.	S.uni	t) +				Ĺ				FEB	RUARY	, 1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Meen
Day 1 D 2 D 3 4 Q 5	Y 533 476 515 518 518	Y 532 492 515 522 527	Y 531 496 516 524 528	7 534 505 521 524 529	Y 533 556 524 526 533	Y 535 520 528 530 537	Y 535 538 532 532 537	7 534 523 535 533 537	7 522 525 519 529 533	γ 508 514 506 521 525	y 498 499 500 523 523	Y 496 495 495 516 521	γ 507 502 484 521 524	Y 520 506 495 528	7 526 527 518 525 528	7 516 498 517 526 528	7 501 516 512 529 523	7 485 519 519 530 528	7 474 501 518 528 533	Y 474 487 521 526 533	Y 486 501 514 528 532	Y 475 505 511 525 528	Y 465 511 518 527 534	7 473 513 521 529 523	7 508 509 51.5 526 529
6 7 8 9	534 527 515 527 532	528 528 524 538 535	529 528 532 524 529	529 529 531 526 531	531 531 533 533 529	542 537 535 538 532	544 538 532 538 537	537 539 529 535 540	532 535 527 527 536	519 532 522 530 520	510 527 521 522 525	511 528 517 523 527	516 532 519 527 531	523 529 532 524 532	532 528 537 532 536	531 532 529 536 542	529 537 525 536 509	533 542 537 538 533	532 542 540 536 535	531 540 541 533 536	531 533 538 539 536	528 527 538 532 536	531 527 538 528 533	527 523 541 531 536	529 532 531 531 532
11 Q 12 13 D 14 D 15	534 536 535 491 539	535 536 532 509 526	532 523 536 533 526	531 523 531 514 517	531 528 531 528 514	530 531 531 495 526	534 528 538 520 530	536 528 539 504 528	537 532 534 504 524	533 528 533 504 517	529 523 532 500 514	523 528 533 487 508	526 527 505 495 513	527 528 518 509 518	531 533 522 514 517	532 533 518 524 514	533 540 537 522 491	536 536 532 518 512	537 535 518 526 513	541 533 495 527 508	537 536 536 541 509	534 536 477 531 514	534 536 473 531 522	536 537 549 528 523	533 531 524 515 518
16 17 18 19 Q 20	524 537 530 526 534	526 527 528 526 532	525 518 549 529 532	526 514 527 532 535	527 524 536 532 535	532 528 534 530 533	535 530 544 532 537	526 534 544 533 540	526 521 530 531 539	526 511 518 525 534	518 510 509 522 531	509 512 517 517 526	503 517 527 524 526	509 523 530 526 526	524 522 532 522 531	523 527 533 526 522	522 530 527 531 522	522 529 532 534 531	530 531 530 526 536	526 535 550 525 541	532 540 523 540 521	532 540 510 539 514	535 530 522 535 526	528 528 546 535 522	524 526 530 529 530
21 22 23 24 25	518 531 529 531 512	535 527 530 528 528	524 513 536 526 528	523 521 530 527 522	530 529 539 531 527	531 535 532 532 532 527	535 536 530 532 528	540 534 531 535 525	535 526 535 529 519	521 519 529 524 524	518 509 522 508 517	484 511 518 499 523	525 519 517 512 530	531 523 530 521 532	519 523 533 530 533	523 526 534 519 534	518 527 535 526 533	517 530 531 517 538	522 531 531 512 540	531 538 521 496 543	545 531 517 499 545	540 530 514 494 544	516 531 550 508 543	517 532 528 509 539	525 526 529 519 530
26 D 27 Q 28 Q	535 525 530	536 526 530	536 525 530	531 529 530	516 526 532	539 526 534	544 533 535	538 533 535	535 525 533	521 521 525	521 516 517	507 516 513	496 520 513	508 523 523	516 522 534	517 526 534	489 525 530	508 528 530	516 530 532	525 531 534	525 532 534	517 531 534	520 530 539	526 530 534	522 526 - 530
Mean	525	527	527	526	530	531	534	53 3	529	522	517	<u>513</u>	516	522	527	526	523	527	526	526	528	523	525	527	525

15/5/2/935/02/2 /36/813

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

FERRUARY, 1935

274 B	SKUAL	EMUIR	(D)									13	+										FEBR	UARY,	±977
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Heen .
Day 1 D 2 D 3 4 Q 5 6 7 8 9	, 54-1 38-1 54-7 52-8 53-3 52-5 52-6 49-5 49-5 52-6	54-6 36-2 54-6 53-3 54-4 53-3 53-4 51-6 51-4 53-8	55-0 38-2 54-3 56-1 53-7 53-2 53-2 53-9 50-1 52-4	54.2 46.0 54.3 53.4 53.1 52.4 53.2 52.1 52.0	54·1 55·3 54·2 53·5 53·3 52·5 52·8 52·8 52·4 52·3	53-1	53·2 52·2 52·6 52·3 52·4		52·5 53·4			54.5 55.1 55.3 55.8 56.2 55.6	55·2 57·2 56·2 57·1 57·3 57·6	56 -4 57 • 3 57 • 5	57-4 55-4 58-7 57-9		57-4 54-5 54-3 56-3 54-2 56-0 55-2 54-7	60-5 58-2 53-9 53-5 54-4 53-6 55-2 54-7 54-5 56-3	51.9 53.8 53.6 53.9 54.6 53.6 55.0	53·2 53·5 53·3 53·3 54·2 53·8 54·8		49-6 51-4	50+6 52+4 49+5 52+3 49+6 50+8 52+0	51.5 52.3 51.3 50.6 52.0 50.4	54-6 53-9 54-2 53-8 54-0 53-4 54-0 53-8 53-7 54-2
11 Q 12 13 D 14 D 15	52-3 49-1 52-0 38-6 52-3	52-8 49-3 51-3 52-2 56-2	53-1 51-4 53-0 47-1 52-0	51·7 51·3 43·3			51·5 50·5 50·2	52-1	51-4	52·1 53·1 53·1 54·4 50·5	53·2 54·1 53·0 55·7 52·6	56 · 3 58 · 3 56 · 5	57·0 59·2 57·2			55·7 60·1 53·2	55 · 2 54 · 2 52 · 3	54.0 56.1 58.1 51.2 54.3	55-9 56-2 52-2	54-6 49-2 50-1	50-5	51.4	40·2 52·0	51-6 51-3 36-2 51-9 52-2	53·4 53·3 51·8 <u>51·7</u> 52·7
16 17 18 19 Q 20	54-0 49-3 50-3 52-2 52-6	53-4 50-4 51-4 52-2 53-2	53-2 54-3 53-3 53-5 53-2	51·1 54·9	52.7 55.1 51.1 53.2 52.3	52-3 53-5 51-5 52-5 51-5	52·3 51·3 52·5	51·5 52·3	52·1 51·2 51·3	51.0 52.3 52.4 51.2 50.4	53·3 53·2	54-1 54-1	56 • 1 55 • 6 55 • 5	59 · 2 57 · 5 56 · 5 57 · 3 55 · 3	57-2 57-7 56-8	55-4 56-3 57-5 55-3 58-4	54·9 57·0 55·3	52.5 54.2 55.3 54.5 55.3	51·4 52·9 51·8	52-8 42-5	50·7 47·4 53·2	49·1 50·2 52·6	51·4 50·2 52·3	51·1 51·3 52·6	53-2 53-1 52-4 53-5 51-9
21 22 23 24 25	52-3 52-3 51-2 48-1 49-3	52-5 49-1 52-1 47-3 50-4	47-9 49-8 51-9 50-2 44-9	51·3 55·5 52·1 51·8 46·2	51.3 51.4 51.5 51.9 46.5	50-6 52-5 52-4 52-2 48-2	53·1 54·2 51·9	52·4 52·8 51·4		51.9	53·3 53·8	54·3 55·3 55·3	54·9 57·2 58·3	58-5 56-3 58-2 59-5 60-3	56 · 2 59 · 1 60 · 8	55·6 56·4 59·3	54·6 56·1 59·3	50-3 54-3 54-3 55-4 55-5	51·4 53·2 50·5	50·5 53·4 53·3	51·1 53·1 50·4 54·3	52-2 51-5 49-3 53-3	52·2 45·4 48·1 52·4	51-6 46-4 47-9 52-1	52·7 52·9 53·2 52·9 53·1
26 D 27 Q 28 Q	51·2 52·5 52·1	49-4 52-3 52-2	45·1 52·4 52·1	44.3 51.5 52.1	49-3 52-4 52-4	50-9 52-4 52-3	50-6 52-2 52-2	51•4 52•2 51•4	52·2 52·1 50·3	52-8 52-3 50-1		54-5	56 - 2	59-2 56-4 57-0	55-7		54-0	50-6 53-4 52-9	53-3	52-7	52-2	51-6	51-9	51-8	52-5 53-1 52-7
Mean	50-7	51-6	51-4	51-7	52-3	52-4	52-5	52-3	52-6	52-8	54-3	55-9	57-2	57-6	<u>57•7</u>	56 • 7	55-3	54-5	53-2	52-3	51-4	50-4	50-1	50-0	53-2

,																				,					
275.	BSKDAI	EMUIF	t. (V))				,		44,	000 Y	(+44	C.G.	S.uni	t) +								FEBR	JARY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 D 3 4 Q 5	Y 876 849 886 883 879	Y 874 836 886 880 876	Y 873 823 886 877 875	9 873 816 886 877 877	Y 873 782 884 879 878	973 810 884 879 876	Y 873 829 883 879 876	Y 873 844 882 878 876	9 877 855 882 877 876	9 877 860 882 876 876	Y. 888 866 880 879 876	984 873 883 880 876	984 881 897 881 876	903 881 877	989 889 895 883 883	997 903 895 882 884	914 908 894 879 881	940 911 891 879 883	960 939 891 879 881	953 964 889 880 880	931 935 889 879 880	917 913 890 880 880	900 887 882 880	875 890 883 879 876	873 888 879 878
6 7 8 9	872 877 883 874 879	872 877 881 871 878	872 877 877 874 878	874 878 879 874 879	877 877 880 875 879	874 877 878 876 878	871 877 877 875 876	873 877 877 876 875	873 876 877 875 875	873 874 878 874 877	878 874 876 875 876	879 873 875 878 879	878 873 875 879 878	877 876 875 879 879	881 879 878 882 877	883 878 883 883 880	881 880 887 883 888	881 879 883 883 887	881 878 882 883 884	881 878 880 883 883	881 881 880 883 882	880 884 881 883 880	878 881 878 883 880	878 882 875 882 879	877 878 879 878 879
11 Q 12 13 D 14 D 15	877 874 878 831 869	876 884 875 835 863	876 867 872 805 871	876 871 869 821 874	877 872 871 831 874	877 873 872 839 872	876 875 872 858 870	876 875 872 867 874	876 875 868 868 877	876 872 866 872 880	873 868 870 876 877	873 965 870 881 878	875 868 880 884 881	878 871 882 899 881	875 875 886 899 885	875 879 899 903 892	876 880 902 906 900	878 880 891 899 900	877 880 899 892 900	877 881 913 892 900	877 880 888 885 896	878 880 880 882 882	878 880 858 682 883	876 880 820 882 882 882	874 877 <u>870</u> 882
16 17 18 19 Q 20	880 871 879 872 879	877 864 878 875 879	879 870 864 875 879	880 872 863 874 878	878 870 867 874 877	877 872 870 875 876	877 878 871 875 875	877 878 871 875 875	878 881 875 878 876	878 882 878 876 876	877 879 877 874 872	877 879 876 872 875	878 878 872 872 877	877 879 874 874 877	882 882 878 879 878	889 886 882 882 883	898 886 886 882 887	897 886 882 882 885	900 886 884 884 890	896 882 887 881 884	885 882 879 878 884	881 879 882 878 887	879 878 882 880 887	879 871 879 880	878 876 877 880
21 22 23 24 25	869 867 877 872 892	851 864 876 872 876	861 868 872 875 862	868 864 875 876 865	873 864 874 876 862	873 868 873 876 861	871 871 870 876 862	870 872 871 875 882	869 875 872 874 885	871 874 873 874 863	868 876 871 872 864	869 875 867 871 862	871 873 867 868 864	873 872 870 873 866	879 876 873 880 871	883 882 877 894 879	894 883 883 905 880	902 883 883 915 880	891 883 883 921 877	887 880 886 920 877	863 879 891 918 877	877 883 893 913 877	876 877 883 902 877	879 876 871 899 877	875 874 878 887 871
26 D 27 Q 28 Q	877 876 878	874 877 878	871 878 877	870 878 877	869 878 875	863 878 875	861 878 874	865 878 875	869 881 877	873 879 877	872 877 871	872 874 871	877 874 870	888 875 870	892 878 871	899 880 877	895 881 881	923 881 881	907 881 880	895 881 879	892 881 878	892 879 878	888 878 877	881 878 875	862 878 876
Mean	874	871	869	870	869	871	872	873	874	875	874	875	876	878	881	886	889	891	892	891	888	885	882	877	878

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

276. ESKDALEMUIR

FEBRUARY, 1935

276.			RMUIK														1		,		
				•					T	errestri	al Magne	tic Eler	ents							Magnetic	Temperature
			Horize	ontal For	rce					De	clinatio	n			Ver	tical Fo	rce		HR _H +VR _v	Character	in Magnet
Day		Maxi 16,0	.mim)00 y +		imum OOO γ t		Range		Maxi 13	mum o +		1mum 30 +	Range	Maxi 44,0	.mum)00 γ +		imum 000 γ +	Range	10,000 γ²	of Day (0-2)	House 200 +
1 D 2 D 3 4 Q 5	h 5 4 7 7 5	50 15 28 12 33	7 544 570 538 537 540	Y 452 457 464 514 518	22 0 13 11	m 33 1 6 22 35	Y 92 113 74 23 22	h 16 18 11 14 14	30 11 58 14 21	66 · 7 66 · 1 62 · 4 56 · 4 58 · 4	37·3 33·1 48·0 51·8 45·3	h m 23 33 0 34 18 54 0 3	33·0 14·4 4·6	h m 18 28 19 36 13 3 14 20 15 0	964 972 906 885 884	986 777 879 875 875	h m 24 0 4 18 10 40 2 50 11 24	98 195 27 10 9	597 1082 243 83 76	2 2 1 0	°A 83·5 83·5 83·5 83·5 83·4
6 7 8 9 10	6 18 23 20 15	48 36 48 44 33	547 547 563 550 550	508 513 509 518 494	11 23 (15 0 16	12 10 45 58 30 32	41 34 44 32 56	13 14 15 12 15	12 41 16 52 44	57·2 59·9 59·1 59·7 59·2	50-2 47-4 47-4 48-4 51-0	23 10 22 0 0 12 0 18 23 2	12·5 11·7 11·3	15 22 21 43 16 10 19 45 16 50	884 888 889 886 891	869 873 874 870 875	6 50 12 1 11 12 2 0 1 30	15 15 15 16 16	131 123 140 120 164	0 1 1 0 1	83•5 83•3 83•3 83•3 83•3
11 Q 12 13 D 14 D 15	19 0 23 23 0	38 58 8 58 16	541 559 637 554 567	522 518 453 473 485	11 0 21 11 16	15 28 36 43 29	19 41 184 81 82	13 13 20 13 1	42 27 8 23 14	56 · 2 57 · 6 67 · 2 61 · 3 59 · 2	48.5 47.4 28.4 34.3 43.4	24 (0 58 23 2 0 12 19 36	10·2 38·8 27·0	22 10 16 3 19 38 13 50 16 38	879 882 917 910 903	872 863 809 800 862	11 9 1 30 23 20 2 40 1 30	7 19 108 110 41	62 149 787 628 319	0 0 2 1 1	83•3 83•3 83•3 83•3 83•3
16 17 18 19 Q 20	18 0 2 21 19	34 48 34 15 13	569 563 574 540 562	486 507 503 515 508	18 9 20 11 21	18 53 52 2 31	83 56 71 25 54	14 13 14 14 14	30 12 40 0 30	60·3 58·2 58·3 57·5 59·4	40-6 46-4 39-3 49-2 44-1	18 26 20 58 19 23 18 41 23 33	11.8 19.0 8.3	18 22 16 45 19 14 18 40 18 38	909 887 890 886 891	875 863 859 870 872	24 0 1 10 2 50 0 1 10 48	34 24 31 16 19	294 200 256 113 174	1 1 0 1	83-3 83-2 83-2 83-1 83-1
21 22 23 24 25	20 19 22 1 14	29 44 39 3 22	554 545 590 540 553	462 503 503 480 507	11 3 19 19	37 2 40 4 12	92 42 87 60 46	14 13 14 14 13	4 44 0 44 21	60·4 57·4 59·4 62·1 61·4	44.2 47.8 40.2 45.5 42.7	2 24 1 10 22 33 1 20 2 26	9.6 19.2 16.6	17 18 17 0 21 16 18 30 0 4	903 884 894 925 896	849 857 865 867 857	1 28 4 0 11 55 12 38 2 1	54 27 29 58 39	394 190 274 359 251	1 1 1 1	83-1 83-1 83-1 83-1 83-1
26 D 27 Q 28 Q	6 7 22	9 40 52	553 535 549	481 512 507	16 11 12	41 4 15	92 23 42	15 12 13	15 58 28	61·2 57·2 57·3	43-2 51-2 49-5	2 42 20 57 9 22	6-0	16 54 17 40 16 40	933 882 882	860 873 869	6 38 12 18 12 50	73 9 13	480 78 127	1 0 0	83-0 83-0 83-0
Mean			556	495			61	••		59•9	44-5		15-4		900	86 0		40	281	0-79	83•3
lo. of Days Used			28	28			28	•		28	28		28		28	28		26	28	28	28

For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323 - 334.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

		•		Me	an va	lues	for p	eriod	s of	sixty	minu	ites e	nding	at t	ne no	urs o	f Gre	enwic	n wea	n Tim	e				
277.	eskda	LEMUI	R (H)						16,	000 y	· (•16	C.G.	s.uni	t) +								M	ARCH,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 Q 5	Y 534 529 530 526 535	7 532 530 536 530 538	7 531 529 528 525 539	7 533 533 530 530 530 538	7 534 536 528 529 539	7 539 544 531 530 539	Y 539 545 534 532 537	7 539 540 535 531 536	7 535 535 526 534 530	7 507 517 521 528 519	γ 514 528 517 521 509	7 506 525 516 516 513	Y 490 522 519 525 521	7 507 500 529 529 530	Y 516 525 538 533 535	7 535 522 520 530 533	γ 532 516 523 532 539	7 531 516 521 530 539	γ 516 533 526 534 540	Υ 522 533 542 535 536	7 535 531 512 536 536	7 535 533 528 535 529	7 534 534 539 537 566	γ 530 531 528 536 531	γ 526 529 527 530 534
6 7 8 9 10 Q	535 528 513 524 528	535 528 516 522 530	533 526 526 523 527	532 529 525 534 529	530 530 529 526 521	534 534 528 526 530	535 535 525 526 531	540 537 525 526 534	530 534 527 525 529	521 529 524 523 523	512 515 515 521 521	511 516 517 520 522	517 517 520 529 518	529 525 525 533 525	533 534 534 534 539	532 537 539 517 539	535 534 539 534 530	527 543 536 535 530	527 539 543 534 538	524 534 529 538 525	525 531 535 535 517	521 534 525 535 524	525 539 521 530 523	525 517 526 531 523	528 530 527 528 528
11 12 13 D 14 D 15 D	523 533 554 532 518	522 530 505 527 517	528 530 521 532 503	529 532 526 536 523	525 533 516 525 504	534 535 538 531 507	531 535 537 508 509	530 539 540 511 506	522 537 534 508 497	517 533 525 479 491	521 526 523 503 503	533 520 499 490 494	538 521 507 496 494	525 529 527 513 512	520 532 530 527 536	517 538 538 510 526	522 537 511 554 520	515 536 511 526 525	529 539 503 497 533	539 543 523 531 530	537 545 533 532 519	536 549 536 531 546	536 548 534 513 522	534 538 532 527 534	528 535 525 518 515
16 D 17 18 19 20	535 533 531 544 520	530 535 515 514 522	506 524 520 522 521	512 523 524 527 527	509 507 524 530 526	520 520 527 532 530	516 516 526 525 528	515 517 522 516 520	513 516 518 506 515	506 503 512 497 509	508 495 513 500 504	504 503 515 499 512	511 515 516 508 524	512 527 520 519 515	524 531 525 523 529	530 536 528 526 531	510 533 532 530 528	533 524 524 529 529	521 530 526 539 534	524 535 532 518 527	542 523 529 530 540	526 544 523 523 522	524 538 528 516 520	540 554 526 517 544	520 524 523 520 524
21 22 23 24 25	525 505 530 537 525	523 496 529 540 527	524 534 528 528 528 524	527 526 533 550 526	526 529 533 546 528	537 531 533 550 531	533 530 535 538 532	537 518 532 532 519	533 518 522 519 523	525 512 508 506 515	523 507 496 502 505	515 506 495 510 495	514 510 506 511 505	524 520 523 516 517	525 529 531 526 513	533 533 535 538 527	537 532 536 530 531	522 533 534 534 536	535 533 537 527 540	521 533 540 537 540	523 534 536 531 538	523 526 527 515 539	538 530 549 518 528	517 529 536 526 533	527 523 528 528 525
26 27 Q 28 Q 29 Q 30 D	525 521 537 537 542 532	529 528 534 533 543	524 531 533 533 542 531	528 527 535 537 540	532 528 536 537 540	532 542 537 536 541	537 538 537 536 541	536 530 533 533 537	527 522 525 525 525 531	516 516 515 517 522 507	513 513 501 511 512	510 508 511 511 514	517 513 522 515 536	520 521 531 522 559	527 536 534 532 548	524 532 536 537 519	528 533 531 534 548	532 535 528 533 542	527 538 532 533 543	534 538 534 536 533	535 537 534 536 537	530 543 537 543 532	531 541 540 542 526	529 541 534 542 523 535	527 530 530 531 535
31 Mean	530	527	527	530	528	532	531	529	524	514	511	<u>510</u>	515	522	530	529	531	530	531	532	532	532	532	531	527

10 /0 /8/1935/031/0_/188/13

			٠.	Me	an val	Lues	or pe	eriods	s of	MAGN: sixty	minu	tes e	nding	at t	he ho	urs o	f Gre	enwic	м еа	n Tim	е				g vind de la companya de la companya de la companya de la companya de la companya de la companya de la company La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co
278.	ESKDAI	EMULI	R. (D))								13	۰ +										X	ARCH,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 Q 5	52·2 51·4 52·5 51·3 52·4	52·3 52·2 52·4 56·0 52·6	52-0 51-9 55-4 53-5 53-0	52.0 52.2 53.3 53.2 52.6	52·2 52·2 51·5 52·2 52·5	51.5 52.2 51.2 51.6 51.9	51.2 52.3 51.3 51.3 51.5	51·4 52·3 51·0 50·9 51·3	51·1 53·0 50·6 50·8 50·4	52-3 53-6 51-0 50-6 50-4	55.5 55.0 53.6 52.5 52.4	55-8	63·2 59·3 57·4 56·3 57·6	63·2 59·1 57·3 57·4 59·3	61.7 58.2 57.2 56.6 58.5	58.6 57.3 53.3 55.9 56.8	56·3 55·6 53·0 54·5 55·5	54·4 56·1 52·6 53·5 54·6	53·4 54·1 47·7 52·5 53·4	51·3 53·2 46·4 52·4 51·4	53·2 52·6 49·6 51·8 52·3	53-2 51-6 50-6 51-8 47-5	53·3 51·5 51·5 52·0 45·3	51.7 51.9 49.6 52.3 47.4	54·4 54·0 52·3 53·1 52·7
6 7 8 9 10 Q	50·3 49·8 45·0 49·2 48·2	50-4 50-6 47-6 47-5 48-3	49.5 52.3 46.5 49.6 49.3	49·4 52·3 47·5 49·5 50·4	50-4 52-3 48-4 50-3 51-5	50•4 52•2 49•4 51•0 51•6	48·7 50·8	50·3 51·3 49·5 50·6 51·3	49-3 50-9 49-2 50-3 50-5		51.6 52.4 52.3 52.3 51.8		57·3 57·3 56·2 57·6 57·4	58.0 57.5 56.4 59.4 58.4	58·3 57·3 56·4 60·0 58·3	56 • 9 56 • 7 56 • 6 57 • 3 57 • 5	55-2 55-4 55-1 53-7 56-5	53-9 55-4 54-4 53-3 54-4	54·3 54·5 54·3 53·0 53·5	50·4 54·4 55·6 52·4 54·3	49-0 53-6 54-4 52-4 52-5	50-2 52-5 53-8 52-4 52-0	48-6 46-8 49-8 50-5 50-6	48-7 43-2 49-6 49-5 50-5	52-0 52-7 51-7 52-4 52-8
11 12 13 D 14 D 15 D	48.2 50.8 39.6 51.9 54.5	47-6 51-4 44-7 51-6 48-9	51-0 51-8 47-2 51-4 48-0	51.2 51.9 51.2 49.0 48.0	50-6 52-0 51-3 48-4 49-4	51.2 52.2 50.3 47.7 48.5	48-0	49•4 51•5 50•3 57•6 58•5	51-0 50-5 53-3 54-3 54-2		55·3 52·3 55·4 56·4 54·4	55-9 54-5 57-9 57-4 56-0	60-1 56-2 60-2 59-3 59-4	60·4 56·5 61·7 65·9 60·3	61.2 55.8 60.5 59.8 55.5	60·1 54·8 59·9 63·8 55·6	58.5 53.7 60.2 50.4 55.3		53.7 53.8 38.5 50.5 48.4	53-4 53-5 50-1 50-8 46-7	53·1 53·3 53·8 49·2 47·8	52-7 53-3 53-3 49-1 52-9	52-4 52-6 53-0 47-1 52-7	51-4	53-5 52-8 52-5 53-0 52-5
16 D 17 18 19 20	52-2 52-9 51-1 51-4 48-2	51.2 51.2 47.1 46.2 51.8	47-6 50-4 49-9 50-1 51-2	50-0 50-5 50-1 50-6 50-4	50·5 51·2 50·4 50·7 49·8	50•6 49•6	51.4 51.2 50.5 50.4 47.7	50-1 51-4 50-1 48-6 47-6	51·1 50·4 49·7 48·5 47·2	51·4 51·1 51·4 50·4 49·1	53·8 53·5 53·4 54·1 52·4	56 • 5 55 • 4 54 • 8 56 • 5 55 • 3	60·3 56·5 56·1 59·2 58·2	59·2 59·1 55·7 58·5 56·6	57·3 56·1 55·6 57·1 57·3	54.6 54.9 54.0 54.8 55.7	49-4 54-2 50-9 53-3 55-6	45·1 52·4 52·4 52·4 52·4 54·4	49-9 51-4 53-2 52-2 44-4	50·1 52·4 52·3 50·2 51·0	47-9 51-1 52-7 50-1 47-3	48-8 45-4 51-3 48-2 48-1	51.5 48.8 52.8 47.3 47.9	56 • 2 53 • 4 52 • 2 49 • 5 44 • 2	51·9 52·4 52·0 51·7 50·8
21 22 23 24 25	47-9 42-3 51-0 48-3 47-0	49.6 50.2 51.0 47.2 47.5	50-4 52-9 53-0 49-3 47-6	48.7 48.3 51.7 48.3 49.5	49.6 48.5 50.8 48.1 50.1	50.7 47.6 50.5 49.5 50.7	50•1 50•7	51.6 48.1 49.0 49.4 51.1	50.5 47.7 47.9 48.3 50.8	50·5 48·2 48·4 48·9 49·7	53·2 51·1 50·4 52·3 53·3	57·3 54·0 53·7 56·5 56·7	58-4 56-1 57-1 60-0 58-6	60.0 56.4 58.4 62.4 59.7	61.0 55.4 57.8 62.6 59.8	59.6 53.8 56.5 63.2 57.1	58·3 52·9 54·5 60·0 55·7		48-7 52-6 51-7 53-6 53-1	52.8 52.2 51.8 52.9 52.6	52·2 51·4 51·2 44·7 52·4	50·4 51·0 48·7 43·9 50·7	46.2 47.9 51.3 47.1 50.2	49·2 46·7 51·1	52·1 <u>50·7</u> 52·0 52·1 52·5
26 27 Q 28 Q 29 Q 30 D	50·5 48·7 51·6 50·7 51·7	48-6 50-0 51-2 49-7 51-5	49-6 50-7 51-2 50-2 51-4	50·1 49·4 50·6 50·2 51·4	50.7 50.5 50.5 50.0 51.2		48•7 50•6	49·4 47·7 49·1 48·5 49·1	49.6 47.6 47.9 48.2 48.6	49·3 49·4 49·2 49·2 50·1	53·0 50·6 52·3 52·4 53·0	54.0 54.0 56.7 55.2 55.8	56·3 56·6 58·4 57·6 59·4	58-2 56-8 57-6 57-3 64-0 58-1	58-9 56-7 55-8 56-0 64-0	58-6 55-0 54-7 54-1 56-8	57.0 53.5 53.7 52.2 56.2		54.2 52.8 52.8 52.1 53.6	53.5 52.6 53.2 52.0 51.8	51·4 51·2 53·5 51·9 50·2 51·0	49·2 51·1 53·1 52·1 42·0	47.5 52.2 51.6 52.1 44.6	52·0 49·3	52-2 51-7 52-5 51-9 52-6 52-5
Mean	49-8		50-6	50-5		50-5	L	50-5	50-1				58-1		58-2		54-8		51.7		51.3	\	49-9		52-4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323 - 334.

(• 44 C.G.S.unit) MARCH, 1935 44,000 279. ESKDALEMUIR (V) Hour 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Mean 10-11 11-12 6-7 7-8 8-9 9-10 0-1 1-2 2-3 3-4 4-5 5-6 G. M. T. Day 875 874 **867** 877 874 4 Q 5 7 867 867 10 Q 13 D 14 D 15 D 863 934 16. D 18 857 866 871 AAA 20 മമറ 22 23 24 25 844 866 27 Q 28 Q 29 Q 30 D Mean

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

			1				Te	rrestria	1 Magnet	ic Elemen	ts							Voor eti e	Thomas and to
			Hori	zontal 1	force			De	clinatio	n			Ver	tical Fo	rce		HR _H +VR _v	Magnetic Character of Day	Temperatur in Magnet
)ay		Maxi 16,0			Lmum 000 γ +	Range		imum 3° +		imum 3° +	Range		imum OOO y+		imum 000 γ +	Range	10,000 γ ² 8	(0-2)	House 200 +
1 2 3 4 Q 5	h 15 6 19 1 22	m 43 20 29 36 9	Y 545 549 593 541 599	Y 466 484 492 509 508	h m 12 8 12 30 18 38 12 9 10 36	γ· 79 65 101 <u>32</u> 91	h m 12 45 12 26 2 43 1 19 13 1	67-4 61-0 59-3 59-0 59-8	49·4 50·1 36·8 49·3 43·4	h m 19 24 21 50 19 26 0 1 21 41	18.0 10.9 22.5 9.7 16.4	h m 19 10 16 44 18 49 17 0 21 39	903 907 907 884 887	966 871 863 865 860	h m 9 53 8 20 3 8 1 43 22 32	Y 37 36 44 19 27	296 269 365 138 271	1 1 1 0	% 83-0 83-0 83-0 83-0 83-0
6 7 8 9	7 22 18 21 15	47/ 33 2	544 549 548 543 544	507 507 507 511 511	11 22 24 0 0 1 11 0 9 53	37 42 41 32 33	14 0 13 14 19 7 14 5 13 25	58.5 58.3 57.9 61.3 59.5	47-9 42-1 44-4 46-9 47-4	19 55 23 14 0 48 1 34 1 5	10.6 16.2 13.5 14.4 12.1	19 38 19 3 21 50 0 52 20 45	889 882 890 885 893	866 862 866 860 867	12 28 12 40 10 30 12 45 11 42	23 20 24 25 26	164 159 176 165 171	0 1 0 0	83•0 83•0 83•0 82•9 82•9
11 12 13 D 14 D 15 D	19 21 1	50 19	552 557 574 611 584	507 517 465 448 466	16 40 11 52 18 14 9 22 9 15	45 40 109 163 118	14 56 13 43 16 10 13 38 13 40	63·3 57·0 68·4 71·7 66·2	47.2 40.8 30.7 22.6 39.8	1 28 24 0 18 32 17 6 17 37	16·1 16·2 37·7 49·1 26·4	17 32 24 0 17 42 17 3 17 36	899 880 975 988 906	861 866 848 845 805	12 30 11 50 4 35 21 42 1 44	38 <u>14</u> 127 <u>143</u> 101	245 129 750 911 648	1 0 1 2	82-9 82-9 82-9 82-8
16 D 17 18 19 20	30.00	36 5 37	561 580 565 560 560	465 489 508 489 503	16 50 10 17 12 30 11 5 10 22	96 91 57 71 57	13 6 13 52 20 7 12 22 12 45	61.6 60.2 58.7 59.8 61.0	36 · 9 37 · 2 45 · 3 43 · 2 40 · 2	16 55 21 14 1 20 1 18 23 13	24.7 23.0 13.4 16.6 20.8	17 6 20 59 18 5 20 11 18 7	913 887 899 897 907	853 842 834 859 864	2 6 24 0 0 58 0 50 24 0	60 45 65 38 43	427 352 386 288 287	1 1 1 1	82.8 82.8 82.8 82.8
21 22 23 24 25	18 20 22 3 21	17 39 5	577 541 568 572 546	496 485 492 494 490	15 14 1 31 11 35 10 52 11 34	81 56 76 78 56	14 56 13 15 13 3 15 33 13 40	64·3 56·6 58·7 64·5 61·8	37-2 39-1 45-4 39-5 45-7	17 57 0 1 23 54 20 46 2 14	27·1 17·5 13·3 25·0 16·1	17 38 16 24 17 19 18 17 15 18	939 883 884 898 885	858 839 858 821 861	11 27 2 4 23 20 3 26 10 40	81 44 26 77 24	498 290 242 475 200	1 1 1 1	82.8 82.8 82.8 82.7 82.8
26 6 27 () 28 () 29 () 30 ()	20 21 2 2 21 13	18 37 14	549 549 545 551 592	506 501 500 508 486	11 51 11 54 10 27 11 18 12 13	43 48 45 43 106	14 23 12 44 12 26 12 57 14 40	59.5 57.5 59.1 58.2 68.5	46 47 46 • 4 47 • 7 47 • 7 40 • 2	22 52 8 19 8 32 7 52 21 15	12.8 11.1 11.4 10.5 28.3	16 14 15 40 18 12 7 30 15 3	893 883 885 876 902	861 861 857 857 856	10 40 11 46 11 47 12 0 12 20	32 22 28 19 46	215 178 200 156 382	0 0 0 0 1	82·9 82·8 82·8 82·7 82·7
81 lear	6	50	545	490	10 0	55	13 9	59-3	48-0	7 28	11.3	16 9	892	859	11 5 0	33	239	1	82-8
L	_		561	494		67		61.2	42.7		18.5		900	855		45	312	0.74	82.9
o. cf ys Usid			31	31		31		31	31		31		31	31		31	31	31	

our

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

16,000 y (.16 C.G.S.unit) +

APRIL, 1935

281.	ESKDAI	LEMUII	R (H)						16	,000	λ (.Τ	5 C.G	.s.un	1t) +									AFRIL	1900
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-16	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 Q 3 4 5	7 534 533 537 537 537	y 535 532 537 542 537	y 533 532 540 537 536	Y 533 533 540 532 534	γ 532 534 540 536 534	Y 532 535 541 536 541	γ 528 533 540 536 536	γ 523 528 531 531 527	γ 510 516 517 521 513	7 503 502 507 510 499	γ 496 494 504 506 491	Y 497 496 506 504 499	7 505 503 510 512 510	γ 511 511 525 518 526	Y 518 523 536 531 536	y 523 529 541 528 540	7 528 532 536 542 542	γ 532 536 540 539 546	Y 537 539 542 549 548	γ 536 539 545 540 546	Y 534 537 545 540 543	533 536 545 540 541	γ 537 536 553 544 545	7 533 536 542 539 544	Y 524 526 533 531 531
6 Q 7 Q 8 9 D 10 D	536 545 541 548 530	533 545 541 541 531	537 542 536 549 536	540 544 541 541 536	541 545 545 556 536	541 546 558 542 536	540 549 556 523 536	532 547 547 489 533	522 536 531 491 523	512 519 495 499 512	505 500 501 480 489	502 494 494 477 508	509 496 518 482 536	517 513 527 499 518	523 530 532 510 533	536 542 536 511 505	541 547 558 526 563	545 548 556 536 560	546 546 556 537 541	546 547 556 536 560	545 549 554 532 513	545 547 552 531 508	545 546 558 528 509	545 545 554 527 514	533 536 539 520 528
11 D 12 D 13 D 14 15	517 501 518 517 527	494 513 537 519 525	531 518 490 518 518	527 500 548 522 524	512 513 513 518 518	518 506 522 518 529	519 495 523 522 531	497 518 516 518 528	467 481 496 505 515	467 468 497 494 499	391 477 494 496 494	440 481 467 500 499	467 485 485 502 504	518 489 503 502 513	500 513 536 509 522	522 536 550 522 524	522 542 550 528 540	536 546 554 536 541	555 536 550 538 549	531 554 527 532 542	527 531 536 531 536	532 523 546 531 536	545 522 536 531 540	560 518 528 531 537	508 518 522 518 525
16 17 18 19 20	533 517 531 527 541	531 532 531 527 528	531 522 532 527 524	531 531 531 531 528	532 519 546 531 531	532 523 524 531 531	523 527 509 527 531	531 526 520 522 525	530 517 513 514 512	514 511 504 504 499	508 505 505 494 486	490 505 493 498 494	501 509 494 495 506	507 518 511 515 519	518 526 518 521 531	542 536 522 537 536	535 531 536 547 531	531 542 532 541 537	526 543 540 536 541	531 536 545 538 541	531 534 544 549 536	534 533 531 537 531	532 536 523 531 533	550 531 545 531 532	526 525 524 525 525
21 22 23 24 25	531 529 532 529 531	536 531 532 526 531	531 531 540 530 530	527 528 542 526 536	532 531 545 527 536	532 527 540 528 531	528 525 541 524 525	523 519 538 519 527	513 508 527 511 518	499 499 509 504 510	496 497 494 499 501	499 499 497 501 499	505 505 504 507 507	514 519 503 519 518	531 533 527 533 536	536 542 536 538 540	536 543 538 552 545	542 539 541 549 545	540 536 545 544 542	541 546 541 539	534 537 531 543 537	532 540 531 534 541	530 538 514 531 544	528 536 526 531 542	526 526 528 527 530
26 27 Q 28 Q 29 30	540 536 538 545 547	536 537 536 541 543	536 531 534 541 542	533 532 535 541 542	532 531 531 540 542	531 531 534 536 542	534 527 532 531 540	533 527 531 531 536	524 522 524 529 527	511 515 521 524 509	500 513 517 522 509	504 509 518 523 520	514 516 525 527 527	522 522 532 531 540	528 529 539 536 541	532 535 538 536 541	543 537 537 539 550	546 543 542 545 554	550 545 546 546 546	548 543 546 550 554	545 542 549 547 554	545 541 547 547 550	541 541 545 549 554	539 542 544 55 0 554	532 531 535 538 <u>540</u>
Mean	532	532	531	533	53 3	532	530	526	514	504	495	497	506	516	527	533	540	543	<u>543</u>	543	539	537	537	538	527

10/0/2/2/1935/04/0-/02/13

MAGNETIC DECLINATION (WEST)

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

APRIL, 1935 13° + 282. ESKDALEMUIR (D) Hour 16-17 17-18 18-19 19-20 20-21 21-22 22-23 4-5 5-6 7-8 9-10 10-11 0-1 1-2 2-3 3-4 Day 51·0 51·7 47-8 57.3 51.0 51.5 51.1 50.9 50-4 49-2 49-8 53•4 52•7 51.5 51.5 51.3 51.8 58·3 57·5 56 • 0 54 • 8 52·5 52·3 51.7 51.5 51.3 50-6 49-3 49.0 56 • 5 57-6 54.2 51.9 51.5 51.4 51.5 2 Q 51.6 51.6 52.2 53-2 52-0 51.5 51.5 51.4 50.7 50.4 48-6 46 - 5 45.6 47.3 50.0 54.4 57.4 56 . 3 47.2 51.6 51.2 51.3 49.0 46.3 53-3 49-3 49-3 49.5 50-1 51.6 51.4 51-3 49.2 48-7 48.2 46 • 5 46 • 4 46.8 49.5 53-3 56.3 57-9 57.7 55.7 53.7 52.7 52.3 51.8 51.6 51.5 52.0 49-4 50-6 50.2 49-7 50.4 51.8 53-0 52 - 4 51.8 51.5 51.4 50.3 49-1 50 - 4 50-3 50 - 4 49.2 50.4 50.7 51.6 50·7 47·5 46 • 6 47 • 5 46·5 47·7 58-3 61-1 58•2 60•5 56 · 4 57 · 7 52-4 49.8 51.0 50-8 50.0 48-2 48-4 51.9 55 - 7 54 - 4 52.8 52.1 50.5 49.5 51.3 54.1 57-1 53.9 51.8 58.9 48.3 48.0 49-6 49.3 49.3 47.3 50.2 50-7 52.5 50.8 50.6 50.6 43.2 49-9 54-1 48.0 55.5 52.6 44.1 50-2 50.1 49.7 48-4 46 • 6 45-9 46.2 49-4 52.8 60-2 63-2 67-6 65.4 61.6 62.5 44-4 45-6 10 D 50.4 47-6 50-1 59 4 59•8 57-0 51.9 46 - 1 49.5 51-6 45.5 42.6 50-3 50-2 46.5 51.7 48.7 47.1 44-8 45.3 52.4 49.7 52-6 49•2 55•1 49·1 48·7 50•6 48•2 55·7 56·1 57-3 61-0 58.5 48-9 52-6 46 - 7 53.6 49-0 50.2 52.8 58.6 59 • 4 52.5 49.1 47-8 49.6 53-2 59-5 57-3 53.8 48-8 51.2 50•4 53-5 51.2 49-1 52.5 58 - 2 13 D 14 52.4 52.6 49·2 50·3 49·1 46·9 49-8 49-2 48.0 48-0 51.9 57.3 52-4 50.0 49.3 48-1 48 - 4 50-6 50.1 48.7 55.5 56 - 5 53-6 48.5 46 -6 55-6 15 49.8 51.4 51.3 49.5 52.6 51.2 51.1 50-5 49-1 48-6 53.0 50.5 47-1 47.6 53 - 7 55.3 55 - 4 51.3 50-6 50.7 50.5 50-4 49-8 49-5 50 - 4 51.5 55.5 53.9 53.6 52.5 52.6 51.4 52·4 53·5 50·5 49·5 46 • 4 48-6 49.5 57.5 57.5 57.3 53-8 51.6 50•7 50-6 50.6 53 -0 49-5 48.3 48-1 46 - 5 50-5 55.3 50.5 17 50 5 52.2 50-6 50-5 49-4 49.5 46 • 5 49 • 5 47·4 48·4 45·6 47·4 44·9 46·6 46.1 49-5 55-4 57·4 57·5 57•4 56•7 55·5 54·7 54·6 54·5 51.2 46.6 45.9 52-8 54.6 19 49.3 49.5 49.9 49.8 48.4 49.7 53-3 49.7 45-8 50.7 50-5 50.5 50-₽ 49.6 20 48-4 46 • 3 46 • 3 48 - 7 50-E) 46 • 6 56 - 4 51.3 21 50-2 50-8 49-4 47-6 47.7 46.0 46 - 7 48-5 51.3 53-6 56 • 4 56 • 4 55-5 54-0 47·5 47·9 47·3 57·4 56·1 52·4 51·4 51·6 50·7 51·3 51·4 49-1 47-8 47-0 45-4 45.5 50.5 53-4 56.3 55-9 49.8 49-2 50.5 50.7 50-6 22 23 49-4 49-8 43-6 50•€ 49.5 44-3 47-5 55·4 52·8 57-7 54.3 52.7 50-7 50.8 51.0 50.8 50.4 49.4 46 - 4 46.3 52.3 55.3 46-6 46.6 53-4 48-50-4 47.5 47-4 56 • 0 56 • 4 55-3 49-8 53-3 50-0 48.8 51.3 48-4 50.6 45.3 46.3 50.7 57-6 50.6 50.7 50 • 7 50.7 54-3 53-7 53-9 48-3 46·7 45·7 50-8 50-8 48-0 47-3 48-4 50-4 26 49-7 48.5 49.5 51-3 55-6 50-5 50•4 50-2 53·4 52·1 52·9 51·9 50·1 50·9 48-6 48-7 47·3 47·7 46 • 0 47 • 8 46·9 48·9 50-3 54·1 55·3 51.5 50.7 50-1 27 Q 49.5 48-1 48-6 48-1 46 - 3 48.5 52-6 54-1 53-5 51.4 51.4 53-6 51.4 47.5 54.6 28 Q 49.7 48.5 47-4 50-1 52.5 54.5 49.9 49-9 56 · 0 58 · 7 51.8 51-4 50.9 50 - 7 50.6 51.4 51.9 53.5 50.7 50.0 50 - 7 52.0 48-7 51.9 51.6 50.0 49-7 49.5 49.3 47-6 46.8 47-3 49.8 52.9 59.6 60.1 55.9 52.8 49-8 50-2 50-4 49-6 47-4 47-1 48.3 50-7 53.7 56 • 6 57.4 55.7 54.0 52.7 51.5 50.9

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323 - 334.

	283.	ESKDA	LEMUI	R (V	n)						44,	,000 y	(•44	C.G.	.S.uni	t) +								A	PRIL,	1935
	Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
	Day 1 2 Q 3 4 5	9 875 875 874 872 867	97 874 875 874 869 868	97 874 875 872 866 871	97 874 874 872 868 871	Y 873 873 871 867 871	Y 875 873 871 868 870	Y 878 875 874 871 868	9 880 877 875 874 875	9 880 876 873 874 874	97 878 874 871 871 870	97 875 870 867 865 864	964 862 860 860	965 861 864 860 861	964 861 865 864 864	97 870 868 867 868 868	972 872 871 868 875 871	875 874 871 875 871	97 875 875 871 879 871	Y 876 874 871 877 871	978 878 874 871 877 871	97 875 875 871 875 871	97 875 874 871 873 873	875 873 871 868 869	875 873 871 866 867	874 872 870 870 869
	6 Q	867	968	868	871	871	871	871	872	871	871	868	866	861	864	869	868	869	870	870	870	870	870	871	871	869
	7 Q	872	872	872	872	870	869	871	871	870	870	868	864	859	858	862	866	870	873	873	872	872	871	869	868	869
	8	868	866	869	868	866	863	860	861	865	866	860	854	851	857	868	868	872	873	872	871	869	869	869	866	865
	9 D	866	869	860	826	806	813	820	839	842	846	854	860	872	877	889	899	901	893	887	882	878	876	976	876	<u>863</u>
	10 D	874	873	872	872	872	873	875	876	872	867	863	858	854	862	869	888	884	920	946	929	932	899	847	843	880
	11 D	847	805	813	831	849	847	851	860	866	862	870	876	877	885	903	932	904	909	903	899	884	837	823	823	865
	12 D	838	846	846	850	847	844	847	857	866	868	866	862	865	880	887	883	909	900	894	888	880	877	855	833	966
	13 D	846	817	804	809	839	846	855	863	868	868	869	869	871	873	887	900	903	903	898	886	885	861	848	857	864
	14	862	860	863	869	872	872	874	875	872	872	869	865	865	867	876	883	881	884	885	884	883	877	876	874	873
	15	873	873	871	862	866	863	866	870	872	874	870	865	865	868	872	873	876	8 7 5	875	8 7 5	875	875	874	874	871
	16	875	875	875	875	874	873	872	868	865	864	862	864	860	861	867	873	885	898	896	889	886	882	874	853	874
	17	853	854	856	853	858	860	864	864	864	861	861	860	859	859	862	871	884	887	890	888	883	880	879	876	868
	18	875	874	872	868	846	857	866	868	868	868	867	862	859	857	860	865	871	879	879	879	879	876	875	859	863
	19	858	866	871	871	871	872	875	876	872	868	871	868	864	865	873	880	885	887	886	882	877	873	872	871	873
	20	860	856	866	870	871	872	875	875	872	868	865	862	857	858	864	868	875	875	875	875	875	875	875	875	869
	21	873	866	865	868	868	865	865	865	864	865	864	861	861	864	871	873	875	878	879	878	879	876	876	875	870
	22	875	875	875	875	875	875	875	872	867	864	861	857	856	860	868	875	880	883	887	886	880	878	875	874	873
	23	874	873	873	873	873	875	875	875	871	866	861	857	858	865	868	871	873	879	879	879	882	883	872	862	872
	24	849	861	863	867	873	875	875	874	871	869	868	865	864	865	868	871	875	878	879	879	876	876	877	871	871
	25	873	873	873	865	861	866	867	865	864	863	861	856	849	852	861	870	871	875	877	876	874	872	871	871	867
	26	871	871	871	872	874	873	869	868	866	862	860	855	850	855	863	868	874	876	876	876	875	874	871	868	86 8
	27 Q	868	865	868	870	872	873	873	873	871	868	865	864	860	860	864	869	872	872	873	873	873	872	872	871	86 9
	28 Q	871	871	871	868	871	871	871	868	865	864	859	857	857	861	865	867	865	868	871	872	871	871	871	871	86 7
	29	870	870	869	869	869	871	871	865	858	860	861	860	858	856	858	864	864	866	869	870	870	870	870	869	86 6
	30	867	867	867	867	867	867	867	867	863	861	855	843	841	847	857	863	866	872	874	870	870	870	868	867	86 4
1														l		1	1			ļ						

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

284	•	ESKD.	ALEMUIR	1			MAGNET	IC CHAP	RACTER	FIGURES:	TEMPE	RATURE I	N MAGNE	ST HOUS	5			APRIL,	1935
							Te	rrestria	al Magnet	ic Elemen	ıts		.,					Magnetic	Temperatur
Day			Hor	izontal	Force			De	clinatio	ממ			Vert	ical For	ce		$\frac{HR_H+VR_V}{g}$	Character of Day	in Magnet House
			imum 000 γ +		imum 000 γ +	Range	Maxi	mum • +		imum 3° +	Range	Maxi 44,0	mum 00 γ +		imum 000 γ+	Range	10,000 γ ² ³	(0-2)	200 +
1 2 Q 3 4 5	h 17 20 15 18 22	m 53 26 5 20 23	7 541 543 549 551 553	γ 492 491 503 500 485	h m 11 38 11 6 10 24 11 24 10 20	Υ 49 52 46 51 68	h m 13 30 13 50 13 38 14 35 14 10	57.5 59.1 57.9 59.4 58.4	47.0 45.5 45.4 45.2 45.6	h m 8 15 8 41 8 30 22 15 7 47	10·5 13·6 12·5 14·2 12·8	h m 8 10 8 35 7 26 17 35 7 35	Ý 882 878 876 879 875	γ 864 860 861 859 860	h m 13 0 13 0 12 0 12 3 12 0	18	162 167 143 174 179	0 0 0 1 0	∘A 82•7 82•7 82•7 82•6 82•6
6 Q 7 Q 8 9 D 10 D	19 20 16 3 16	6 27 21 14 58	549 553 581 574 609	500 491 487 472 467	11 15 11 55 11 18 11 58 10 53	49 62 94 102 142	13 25 13 50 13 37 13 32 14 59	58-4 58-5 62-2 62-6 69-6	473 46·4 46·6 41·1 34·5	8 0 9 14 23 0 3 33 20 31	11·1 12·1 15·6 21·5 35·1	8 5 17 46 17 10 15 59 18 34	873 874 875 903 963	861 857 850 805 835	12 40 13 3 12 23 4 48 23 35	12 17 25 98 128	135 178 267 608 809	0 0 1 1 2	82•5 82•6 82•5 82•5 82•6
11 D 12 D 13 D 14 15	21 16 16 21 17	9 53 59 3 50	605 623 609 549 559	362 449 462 486 490	10 38 9 17 11 49 9 38 10 43	243 174 147 63 69	14 21 14 26 13 30 12 23 13 25	65·4 61·3 61·8 57·9 57·0	34.8 38.0 43.5 46.2 45.4	22 33 16 46 16 43 7 21 8 24	30.6 23.3 18.3 11.7 11.6	15 14 16 40 16 42 18 30 16 20	943 922 913 887 875	788 823 794 858 860	1 55 23 4 2 35 1 30 5 ₀ 42	155 99 119 29 15	1097 732 777 234 181	2 2 1 1	82-6 82-6 82-7 82-7 82-7
16 17 18 19 20	22 18 4 20 0	50 16 40	569 550 566 555 566	477 501 476 490 482	11 20 11 56 11 53 12 0 10 52	92 49 90 65 84	15 37 13 39 14 17 14 4 13 41	56.3 58.4 58.3 57.9 57.6	42.6 43.5 39.5 45.5 45.6	23 26 0 10 20 42 20 42 8 45	13.7 14.9 18.8 12.4 12.0	17 55 18 15 20 40 17 20 22 55	900 892 882 888 876	852 852 845 853 853	24 0 0 1 4 29 0 1 0 55	48 40 37 35 23	368 261 315 264 242	1 1 1 1	82•7 82•7 82•7 82•7 82•7
21 22 23 24 25	16 19 16 16	52 20 10 14 8	567 551 554 562 557	495 491 489 495 498	10 15 10 34 10 40 10 38 11 26	72 60 65 67 59	12 55 13 28 12 22 13 10 12 56	56 • 6 57 • 7 58 • 5 56 • 8 58 • 5	45·4 44·6 42·5 46·4 44·5	7 4 8 5 22 3 8 4 4 30	11.2 13.1 16.0 10.4 14.0	18 0 18 40 21 4 18 10 18 10	880 888 886 880 877	860 856 853 848 849	12 0 12 36 24 0 0 22 12 50	20 32 33 32 28	209 243 255 255 223	0 0 1 1	82•7 82•7 82•7 82•7 82•7
26 27 Q 28 Q 29 30	18 18 20 23 17	22	554 547 550 555 564	500 503 514 519 504	10 55 11 43 11 12 10 45 10 40	54 44 36 36 60	14 18 14 0 13 45 14 4 13 41	56 • 5 59 • 5 55 • 4 56 • 5 60 • 7	46 • 4 45 • 4 46 • 9 47 • 7 46 • 6	7 21 7 59 6 59 7 7 7 38	10·1 14·1 <u>8·5</u> 8·8 14·1	18 15 18 56 19 42 5 40 18 5	877 875 873 871 876	850 859 856 856 840	12 24 13 18 12 30 13 40 12 10	27 16 17 15 36	210 145 135 126 261	0 0 0 0 1	82•7 82•7 82•7 82•7 82•7
Mean	-		564	486		78		59•1	44-2		14-9		888	847	·	41	312	0-7 0	82•7
ys Used			30	30		30		3 0	30		30		30	30		30	30	3 0	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

285. ESKDALEMUIR (H)

260

16,000 y (.16 C.G.S.unit) +

MAY, 1935

285. E	SORDAL	,EMU11	((E)												·				,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					· · · · · · · · · · · · · · · · · · ·
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	7	Y	Y	7	Y	Y	Y	y	Y	Y	7	7	7	Y	Y	7	7	7	γ	7	7	7	7	9	7
1 D	550	549	547	548	546	539	537	533	524	515	510	510	521	573	541	529	524	532	546	574	558	555	541	500	537
2 D	492	509	496	519	518	515	510	509	501	503	510	511	520	522	532	532	537	540	540	540	539	537	537	537	<u>521</u>
- 3	538	538	532	531	532	530	533	529	524	516	511	508	499	530	533	533	537	534	533	535	534	533	529	530	528
4	532	530	528	526	524	524	522	515	507	502	508	509	512	521	533	539	538	534	536	538	538	538	538	533	528
5	539	534	533	533	533	533	528	524	516	509	508	507	508	522	532	538	543	548	539	543	544	540	540	540	531
6 Q	544	544	539	537	536	535	534	529	524	512	502	505	513	521	529	534	539	543	546	545	543	544	545	545	533
7	553	546	545	545	546	544	543	539	534	529	513	507	511	525	538	537	545	551	551	552	550	545	544	542	539
8 Q	543	542	541	539	538	537	535	532	521	513	506	502	504	513	524	536	545	549	550	552	549	546	545	542	533
9 Q	540	540	540	540	540	- 538	535	530	521	511	506	508	513	521	526	535	540	550	549	549	546	545	545	542	534
10 D	543	541	541	540	542	544	548	550	545	534	521	518	533	526	537	549	603	568	547	567	554	510	522	531	<u>542</u>
11	535	514	526	518	517	521	530	525	522	519	512	494	500	517	525	531	544	555	550	555	547	546	552	538	529
12 D	526	544	543	548	531	519	503	507	498	492	497	508	517	527	539	528	544	549	545	546	548	573	527	530	529
13	537	532	537	526	525	523	542	535	524	512	508	517	525	534	540	546	544	545	538	545	545	549	548	545	534
14	542	541	542	544	540	539	528	530	525	514	506	509	512	522	534	536	535	541	540	536	538	536	535	535	532
15	535	533	531	530	531	530	524	519	519	515	513	517	525	523	534	531	544	546	549	562	542	539	542	531	532
16	545	551	543	537	536	534	503	523	501	487	497	496	519	524	510	523	546	553	550	548	547	542	540	539	529
17	544	531	533	535	537	534	528	522	516	510	505	507	514	517	530	540	548	551	547	545	541	540	536	535	531
18	535	535	535	533	536	535	530	525	518	509	504	509	520	528	540	546	549	558	547	545	556	539	525	524	533
19	532	534	530	531	536	534	528	524	511	500	500	509	522	526	532	538	548	542	547	548	541	547	545	540	531
20 D	539	544	535	535	545	544	494	466	496	511	507	504	518	525	529	543	549	546	547	535	536	538	531	530	527
21 22 23 24 Q 25 Q	525 521 530 531 531	527 525 529 530 536	528 514 527 527 527 531	531 529 526 528 534	529 528 526 530 537	526 522 526 528 541	528 517 520 530 541	523 521 512 530 536	508 517 508 523 531	497 512 510 514 520	485 509 513 512 509	489 517 513 514 506	492 520 512 517 510	504 519 514 526 522	521 512 519 542 537	522 531 538 544 539	533 531 546 553 550	549 538 552 558 559	549 547 558 555 563	547 553 552 549 560	540 545 543 544 555	533 539 537 540 551	536 532 526 537 551	532 531 523 532 547	523 526 527 533 537
26	546	545	536	537	546	541	538	528	520	515	515	512	504	515	513	526	541	551	556	551	549	548	545	545	534
27	541	541	541	541	541	542	541	539	533	526	530	528	523	536	532	539	551	553	563	559	557	551	546	541	541
28	537	537	540	541	541	541	541	537	533	532	525	524	526	526	528	533	541	546	554	554	555	554	550	551	539
29	548	547	544	546	548	548	545	538	527	520	526	519	524	533	537	531	537	552	568	559	552	551	548	547	541
30	544	543	542	543	546	543	539	531	517	511	512	515	516	542	522	534	543	560	569	559	553	551	552	554	539
31 Mean	543 537	537 536	538 534	540 535	544 536	548 534	547 530	534 526	521 519	510	505 509	505	514	532 525	548	536	562 545	562 549	551 549	555 <u>550</u>	548 546	546 543	546 540	537	533

10/0/2/030/05/0_ 10/0/

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

286. I	eskdai	EM UIF	. (D)								13	+											MAY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 D 3 4 5	50·4 35·2 50·4 50·3 51·5	50·1 35·0 50·5 50·1 50·0	49·9 32·6 50·0 49·8 49·7	49.6 45.3 49.7 49.6 49.5	48-6 46-7 48-7 48-6 48-6	47.6 44.9 47.5 47.5	46.2 43.2 47.0 46.5 46.7	45.5 43.4 46.8 46.2 46.4	45 • 4 44 • 9 46 • 6 46 • 6 46 • 6	46.6 47.8 47.2 47.6 48.7	50·4 51·4 50·8 50·4 51·4	54·5 53·9 54·7 53·0 53·7	58·4 55·8 56·5 54·6 55·5	61.7 56.2 56.2 55.3 56.5	60-9 55-4 55-4 54-0 54-9	60·7 53·4 54·0 52·7 53·8	51·8 52·9	54.5 50.8 51.6 51.0 52.0	52.8 49.6 51.0 50.4 51.7	49·4 50·9 50·4 51·6	49.7 49.8 50.8 50.1 51.2	50-6 51-1 50-7 49-5 50-8	49·7 50·7	26 · 7 51 · 2 50 · 1 49 · 6 50 · 6	50-8 47-9 50-8 50-2 50-9
6 Q 7 8 Q 9 Q 10 D	51.5 50.4 50.6 50.3 49.7	50-6 49-9 50-5 49-9 49-4	50.5 49.8 50.2 49.7 49.3	50·3 49·6 49·7 49·5 48·8	49.0 48.6 48.5 48.7 48.7	48·4 46·7 47·6 47·8 48·2	47.6 46.7 47.3 47.6 46.6	46 • 7 46 • 6 45 • 4 47 • 7 45 • 3	46.1 46.0 45.0 47.7 45.8	47.7 46.0 45.7 48.2 47.6	50.5 48.6 47.8 49.7 48.6	52.6 52.1 51.5 51.8 51.0	54.6 55.0 54.7 53.9 54.6	56·3 56·3 55·6 54·7 55·3	55.7 55.7 55.5 54.8 54.9	54.5 54.9 54.5 53.8 54.8	53.0 53.1 53.1 53.3 56.6	52·1 52·6 52·6 52·4 57·7	51.5 51.5 51.9 51.6 52.1	50.9 51.5 51.7 50.8 52.3	50-8 51-6 51-6 50-8 45-9	50.8 50.9 51.5 51.3 43.6	50.8 50.9 51.5 50.9 46.6	50·8 50·7 50·8 50·6 42·8	50-7 50-6 50-7 49-8
12 D 13 14 15	45-1 49-5 48-1 49-5	45.9 48.6 52.6 49.7	46 · 9 51 · 0 52 · 0 49 · 5	45.6 46.9 49.6 49.4 47.6	44.8 45.2 48.0 48.6 47.7	46 · 3 46 · 0 46 · 6 47 · 4 47 · 6	47.3 45.7 46.6 45.8	48·1 45·4 45·6 44·9	48.5 45.8 44.9 45.8	49·9 47·0 46·5	53·1 51·1 48·5 50·8	55.3 53.2 51.2 53.5	56 · 5 55 · 8 53 · 4 55 · 8	56 · 5 56 · 4 54 · 4 55 · 6	55·4 55·2 54·1 54·6	53.6 54.5 53.6 53.5	53·3 53·9 52·7	52·3 53·4 51·5 52·0 51·5	51·2 51·6 50·1 51·5	50·8 51·4 49·0 50·6	50-6 50-9 49-8 49-4 49-7	45.8 50.6 49.6 49.1 49.4	45.8 49.6 49.5 47.8	47.5 49.0 49.5 47.1	49-8 50-3 49-9 50-1
17 18 19 20 D	48.0 49.7 39.4 48.5	48-6 49-6 42-4 45-6	48.9 49.5 45.5 45.5	48-7 48-5 48-0 59-6	47.6 47.9 47.0 49.7	45.9 45.9 44.6 47.4	44.4 44.3 43.4 51.6	44·3 44·2 43·4 58·9	44.5 44.8 43.6 55.0 42.9	46.5 46.2 45.6 48.4	50-0 47-6 48-9 51-8	53·2 50·5 52·9 55·2 49·5	55.5 53.7 55.6 58.0	55.8 55.4 56.6 58.1	54.8 54.7 55.7 57.9	54.2 53.1 54.0 54.4	52.0 51.2 53.5 54.3	50.6 49.9 51.5 53.5	49-6 49-5 50-6 52-4 49-6	49.6 49.8 50.0 50.5	49.6 44.4 47.8 49.6	49.6 40.9 49.6 47.6	49.7 42.1 45.0 45.8	49·7 39·9 48·4 45·4	49.6 48.1 48.5 51.9
22 23 24 Q 25 Q	44.6 48.8 49.2 49.5	46.0 49.2 48.5 49.1	48.5 47.7 48.5 46.9	50·8 47·8 47·8 47·4	45.8 47.6 47.7 46.0	44.9 47.6 47.8 44.8	45.7 47.0 47.7 44.6	45.6 46.2 46.7 44.5	46.5 46.6 44.5 45.5	46.6 47.8 48.8 45.6	47.7 50.6 52.1 47.7	50.0 52.7 54.5 50.5	53·5 54·5 57·4 53·6	53.9 54.7 57.0 55.4 56.8	53·7 54·2 55·5 55·2	53·0 53·5 53·6 53·2 53·5	51.6 53.4 51.7 52.0 52.5	50.6 53.1 51.0 51.6	49·9 51·5 50·8 50·8	49.6 51.6 50.6 50.5	47.7 50.8 50.6 50.5	47-6 50-8 50-6 50-6	48.7 48.8 50.6 49.9	49.5 48.5 49.5 50.4	48-8 50-2 50-6 49-4 50-1
27 28 29 30	50·1 49·6 49·4 49·6	49.7 49.5 49.5 49.2 48.7	49.5 49.2 48.8 48.6	48.6 49.0 48.6 47.5	46.9 47.6 47.9 46.1 50.5	46 · 4 45 · 6 47 · 5 44 · 6	45.8 44.9 46.7 44.2 47.6	45.2 44.6 46.2 44.6 45.8	46.5 45.2 45.4 46.5 45.7	48.6 46.5 47.7 48.4	51.4 48.6 51.8 51.1 49.6	51.5 51.6 54.5 53.7	53.6 53.4 56.6 56.4 54.7	56 · 4 53 · 6 56 · 7 55 · 4 56 · 1	55.7 53.8 54.9 55.2 55.7	53·7 53·5 53·5 53·1 54·5	52.7 52.6 52.0 50.8	50.6 51.4 51.2 49.7 51.7	51.0 51.2 50.8 50.0	50.7 50.8 50.6 50.5	50·5 50·7 49·6 50·2 49·6	49.6 50.6 50.6 49.7 50.0	49.9 50.5 50.8 50.8	49.6 49.7 50.5 48.6 50.3	50·2 49·7 50·5 49·8
Mean	48-2	48-3	48-2	48-8	47.7	46 • 7	46•5	46.2	<u>46·1</u>	47-3	50-1	52.9	55-2	<u>56-0</u>	55-4	54-1	53-0	52•0	50.9	50•6	49-8	49-4	49-1	47-9	50.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

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

MAY, 1935 44,000 y (.44 C.G.S.unit) 287. ESKDALEMUIR (V) 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Hour 10-11 11-12 12-13 13-14 14-15 15-16 16-17 Mean 1-2 2-3 4-5 6-7 7-8 8-9 9-10 0-1 G. M. T. Day 1 D 5 871 0 8i1 873 6 Q 7 8 Q 8.73 10 D 865 870 12 D 865 20 D 872 -882 23 24 Q 25 Q

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

288 ESKDALEMITE

27

30

Mean

MAY, 1935

200.	POL	ZDAU	EMUIR																	1955
								Te	restria	l Magneti	c Elemen	s							Magnetic	Temperatur
			Horiz	ontal Fo	rce				De	clination	1			Ver	tical For	rce		HR _H +VR _v	Character of Day	in Magnet House
Day			imum 000 γ +		mum. γ 000,	+	Range		lmum 30 +		nimum L3° +	Range	Max1 44,0)000 γ + Punnu		nimum ,000 γ+	Range	10,000 γ²	(0-2)	200 +
1 D 2 D 3 4	h 15 18 16 15	m 49 24 57 47 37	9 615 551 548 550 550	γ 448 464 483 501 503	h 14 0 12 8 10	m 54. 6 32 58 58	Y 169 87 65 49 47	h m 13 32 13 18 12 24 13 37 13 12	65·3 56·7 57·7 55·5 56·7	17·3 27·3 46·3 46·8 46·0	h m 23 23 2 10 8 32 7 12 8 4	48-0 29-4 11-4 9-7 10-7	h m 17 37 17 26 17 30 17 0 5 30	902 880 881 881 877	7777 774 862 858 862	h m 24 0 0 12 11 20 11 15 13 10	Y 125 106 19 23 15	840 620 192 184 145	2 2 1 0	82.7 82.8 82.8 82.9 83.0
6 Q 7 8 Q 9 Q 10 D	0 0 19 17 17	50 9 3 50 24	550 558 553 559 616	498 506 501 503 503	10 11 11 10 20	27 32 55 43 20	52 52 52 56 113	13 42 13 30 14 26 14 20 17 25	56 • 7 56 • 4 55 • 8 55 • 1 59 • 8	45.8 45.8 44.8 47.0 39.6	8 38 6 57 8 58 6 33 20 48	10.9 10.6 11.0 8.1 20.2	16 40 18 55 18 1 19 20 20 45	881 878 877 877 907	865 855 851 854 848	12 10 13 18 11 45 12 10 12 15	16 23 26 23 59	158 189 203 195 451	0 0 0 0	83·0 83·1 83·1 83·1 83·1
11 12 D 13 14 15	19 21 22 18 19	15 28 33 8 11	571 631 564 544 579	480 490 502 499 512	11 9 10 10 10	24 46 34 49 33	91 141 62 45 67	14 14 12 4 13 21 1 30 13 14	56 • 9 57 • 6 56 • 8 54 • 6 56 • 6	36·8 37·6 44·3 44·6 44·7	1 0 21 26 4 45 8 21 8 4	20·1 20·0 12·5 10·0 11·9	18 30 17 20 18 29 18 20 20 38	889 880 877 880 883	847 837 851 855 857	11 14 2 23 11 31 10 34 11 40	42 43 26 25 28	339 426 219 186 228	1 1 0 1	83·1 83·1 83·1 83·1 83·1
16 17 18 19 20 D	1 17 20 18 18	52 42 46 24 14	563 554 573 553 556	471 503 502 495 448	9 11 10 9 7	39 3 28 44 17	92 51 71 58 108	6 50 13 36 13 13 13 50 3 38	61-1 56-2 55-6 56-7 65-5	43·6 43·6 36·6 36·6 42·7	2 38 6 51 24 0 0 1 1 59	17.5 12.6 19.0 20.1 22.8	18 20 5 50 20 38 18 0 15 21	880 884 893 900	846 857 849 845 781	12 36 11 41 12 20 2 0 4 4	34 23 35 48 119	305 183 274 312 712	1 0 1 1	83·1 83·1 83·1 83·1 83·1
21 22 23 24 Q 25 Q	19 20 18 17 18	2 47 40 10 18	564 562 559 558 566	483 503 506 509 504	10 2 8 10 10	52 37 36 52 48	81 59 53 49 62	14 13 13 49 13 9 12 30 14 4	55·5 54·8 54·9 57·7 56·5	41.5 43.6 45.5 45.8 44.3	23 28 0 48 7 40 8 18 8 20	14.0 11.2 9.4 11.9 12.2	20 20 20 36 18 20 17 50 4 49	890 885 884 881 878	857 856 853 855 858	24 0 0 14 11 20 12 20 14 0	33 29 31 26 20	282 232 226 198 187	1 1 0 0	83·1 83·2 83·3 83·3 83·3
26 27 28 29 30	18 18 20 18 22	54 30 34 28 58	564 567 557 577 583	500 520 517 515 496	12 12 13 11 12	15 54 43 40 24	64 47 40 62 87	12 40 14 0 14 24 13 10 12 40	57-7 56-7 54-5 57-5 57-1	44·3 44·5 43·7 44·4 43·5	7 59 7 50 6 22 7 8 6 28	13·4 12·2 10·8 13·1 13·6	18 30 17 38 17 26 19 49 16 20	884 882 878 878 884	858 860 861 848 854	11 36 13 10 13 15 12 0 11 12	26 22 17 30 30	227 177 147 237 279	0 0 0 1 1	83-4 83-4 83-5 83-5 83-5
31 Mean	16	50	568	498		23	70	13 30	56 - 7	45-5	8 24	11.8	19 15	885	846	11 49	39	290	0.65	83-1
Mean O. of			567	496			71		57-2	42-1	**	15.1		884	846		37	285	0.09	
nys Used			31	31			31		31	31		31		31	31		31	31	31	31

[§] For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323-334.

16/6/2 hoss/2016_ 188/613

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

JUNE, 1935 16,000 y (.16 C.G.S.unit) + 289. ESKDALEMUIR (H)

=																									
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	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 2 Q 3 4	7 540 541 545 546 547	γ 538 541 545 551 552	γ 540 542 544 552 547	γ 538 542 543 561 546	γ 539 542 542 556 543	7 534 537 542 557 546	7 533 534 539 548 547	Y 527 526 532 540 537	y 514 513 522 529 521	Y 502 505 507 525 511	7 501 501 506 518 505	7 506 500 513 513 510	7 511 507 520 520 516	9 520 510 527 542 532	γ 536 520 539 549 525	7 537 532 542 557 566	7 544 541 548 549 561	7 545 551 553 551 553	y 552 551 556 578 563	γ 550 555 557 561 562	Y 548 550 556 566 561	Y 547 548 551 551 558	7 545 545 551 551 556	7 542 543 550 547 552	Y 533 532 539 <u>547</u> 542
6 7 D 8 D 9 D 10 D	551 546 498 558 539	548 541 510 534 531	546 544 478 533 525	542 551 520 538 520	540 551 521 539 512	537 550 518 541 517	538 537 509 543 512	538 520 493 539 509	531 528 470 529 489	519 525 456 525 480	502 520 478 500 494	492 520 489 499 506	506 538 505 538 527	520 522 497 521 511	533 529 524 566 553	548 540 516 575 539	551 592 539 552 572	556 579 533 587 559	556 565 561 571 585	567 555 551 545 575	552 533 549 538 547	553 478 542 526 534	548 506 543 517 534	546 473 556 516 539	538 535 <u>515</u> 539 530
11 12 13 14 15 Q	538 525 529 520 530	532 526 520 529 530	531 526 530 523 529	526 526 521 527 529	517 524 526 530 529	513 518 520 523 526	507 510 516 517 517	500 505 512 511 508	497 506 507 508 504	493 507 502 504 503	495 512 503 516 504	505 517 525 520 512	526 524 527 523 522	541 525 541 534 529	541 . 535 543 534 535	541 535 548 541 536	589 552 546 539 537	587 539 544 538 541	577 553 552 539 548	575 560 548 538 544	542 552 543 533 540	537 534 539 535 539	534 538 535 534 535	536 539 529 533 531	533 529 529 527 527
16 Q 17 18 D 19 20	530 549 532 506 542	530 548 544 506 532	531 542 534 539 520	535 545 531 522 513	531 544 517 520 524	527 540 527 512 536	522 532 522 505 524	522 525 510 496 520	519 513 499 492 505	515 512 495 481 496	512 520 481 485 493	517 526 483 463 494	529 536 496 493 497	535 546 510 492 508	537 550 558 520 525	544 552 602 533 538	549 545 608 551 540	550 573 611 551 552	548 578 610 547 550	558 576 583 546 553	553 568 525 543 542	549 545 502 547 538	545 525 487 542 543	545 538 485 546 530	535 543 531 518 526
21 22 23 24 25 Q	521 530 545 539 540	535 529 546 537 536	537 530 545 535 537	535 532 544 535 540	537 533 544 540 540	538 534 539 540 536	531 533 535 535 535 533	524 523 530 528 527	511 510 516 512 518	501 497 502 504 509	493 484 494 506 504	495 485 494 513 501	499 494 499 521 512	518 500 515 525 522	530 517 534 535 535	553 533 546 543 540	553 542 541 548 549	571 549 548 548 552	550 553 548 548 553	546 555 549 550 559	542 549 549 553 554	536 545 546 551 549	538 544 548 545 542	534 548 541 540 541	530 527 533 535 535
26 27 28 29 30	541 563 546 532 545	541 554 547 542 548	537 537 545 537 543	539 542 546 536 531	540 542 541 532 532	537 539 534 532 529	532 532 532 527 526	526 526 524 519 518	512 516 521 509 512	512 510 518 509 512	511 508 518 508 519	515 522 511 512 531	529 536 524 532 533	525 543 528 541 529	524 544 537 546 536	530 551 533 547 546	537 545 541 559 546	546 546 544 555 552	553 559 569 550 550	559 562 559 550 559	559 555 556 559 557	558 554 558 554 547	558 550 537 547 539	558 547 533 544 541	537 541 538 537 537
Mean	537	537	535	535	534	533	528	521	511	505	<u>503</u>	506	518	524	536	545	552	555	<u>559</u>	557	549	542	539	537	533

MAGNETIC DECLINATION (WEST)

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

290 •	ESKDA	LEMUI	R									13	0 +										J	UNE,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14		15-16						ļ	 _		Mean
Day	′	'	,	1	′				,		′	,			l'.	′_		, ,	'.			· ′ .	ا ، ، ' ا		
1 Q	49.5	50-1	50-2	50-6	47-9	45.7	44.0	42-4	42-6	44-7	48-2	51.9		55.3	55.2	53-5	51.5	49-8	49·9 49·7	49-6	49-6	49.6	49-6	50-1	49·4 49·7
5 6	50-2	49-9	49·7 50·0	49-7	47-5	45.6	44-7	43·7 43·9	43-8 43-8	44.6	48.8	51.9	55·9 54·7	56 • 5 55 • 8	55·8 55·7	54.6	53·0 53·7	51·5 52·3		50.6	48·6 50·6	48·8 50·0	49.7	49.7	49-7
3	50·1 49·5	49.6	49-7	50-3	50.5	46.6	44-7	42.9	42.9	44.8	49.7		56.6	59.0	58-9	57.6	55.0	52.7	51.6	49-3	47-0	46.6	49-6	49-5	50.3
5	48-8	48-9		47.6	46.7	45.7	43-0	41.8		44.3	48.4		55-9	57.6	56-0		53-6	52.9	52-8	52-6	51-8	50.7	50.0		49.9
6	48-9	48-9	48-6	47-8	46-6		42-7	41.9		47-5	50-0		55-6	57-8	58-6		55-3	53-8	51.7	50-9	49-6		47-7	48-8	50-0
7 D	47-9	47-8	48-9	48-6	46 • 8		44.1	43.7		47-9			58•7		60-6		57-6	56-1		47-8	45.7		40.7		49-7
8 D	25.7	33-0	32-8	40-9	42.3		41.0	41.2	44-7	49.6	50.1		55•3		58-6	59.2		56 • 6	55-1	52-9	51.9		48-3	47.5	47·8 49·6
9 D 10 D	45·9 44·4	43•6 44•3	45·3 45·2	45•4 45•6	44.0	43.7	42·3 45·6	42·3 47·8	43·1 46·7	43·0 48·8	46 • 5 50 • 7	52·5 51·8			57•9 54•9	55 · 7 54 · 7		60·3 54·7	55•7 50•7	47·3 50·3	50•7 51•6	49•7 51•0	50•0 50•6	53·1 50·6	49.9
11	49-9	49-0	47-8	45-3	47-5	44-8	44-9	44-9	46-7	48-6	50-9	53-1	54-9	55-5	55•5	54-6		56-1		52-1	500	50-6	49-8	47.9	50-2
12	48-4	48-7	48-6	47.8	46 - 7	45-3	44.7	44.7	44-7	49.3	51.9		55-8		53-3	52-6	52-4	49.7	50-7	50-7	46 - 8	48-6	49-9	51.5	49-8
13	43-6	45-6	46 • 6	45-8	46-9	44-3							56 • 1		55-7	53-6			49.7	50-3	50-7	50-9	48-6	48-5	49-6
14	51.0	47-7	48-5	48.1	46 • 3								53-1		53-1	53-6		51.7		50-5	49.7	49.4	48.7	47-9	49.5
15 Q	47-8	47-8	47-5	46-9	46.1	44.7	43.7	44.0	44.0	44-7	47.6	50-8	53•0	54.1	54-6	53-8	52-6	51-5	50•7	50-5	49-8	49.7	48•6	48-8	48-9
16 Q	47-8	47-7	47-7	47-6	46-1	44.5	43-7	43-1	43-8	45-9	49-9		55•6	54.8	53-7	52-7	52-2	51-6	50-8	50-7	50•0	48.7	48-8	49•5	49-2
17	48-9	47-9		47-6	45.6	44-2		43-7	45-6	48-7	51.7		55•7		55 • 5	54-8		52-6		49-9		45.7	45.2	47-7	49-2
18 D	47-5	46-9	1	45.5	37-8	43-6		40.8		45-6			54.6			61.9				55-7	41.5		42-5	41.0	48-9
19 20	39·7 46·8	40.0	44·6 44·6	41·6 48·7	43·7 49·8	42-8	41·7 46·8	41·7 45·7	41·7 46·6	44·0 47·8	48·9 48·7	53·8 51·2	58·9 54·1	60·6 54·9	59·7 54·4	57·9 53·3	57·1 51·2	55·9 51·2	51·5 50·1	50-8 49-1	50-8 50-7	50·0 50·7	49·6 50·7	49·9 47·7	49·0 49·5
21	48-6	46-7	48-0	47-9	46-8	46 - 3	44-8	43-8	43.7	44.7	47.3	49-7	52-7	54-9	54-8	56 - 9	55-8	52-8	48-9	49-6	50+3	49-8	50-5	49-9	49•4
22	49.8	49-6		48-8	47-8	44-0		41.9		45-2	48.8		56 • 0		56 - 9	56 - 1		51.5		49-8	49.7	49.7	49-6	49-6	49.7
23	48-8	49-5	48-9	48-3	45-9	43-5	42-8	43-0	43.5	44.7	48-5	51.6	55-6	56 • 6	55-6	53-3		48-6	48.5	49-3	49-6	49-6	50-5	48-6	49-0
24	48-6	48-7	48-8	48-8	45-9		44-1	43-5		45-3			54-8		56 • 1	53•7		49-8		49-3	49-8		50-7	49•9	49-3
25 Q	48-8	48-6	47-9	47•3	45-8	44-7	43-6	42-8	43-7	46•8	49.5	52-5	55-6	56 • 5	55-6	52-9	50-5	49-6	49-6	49-1	49-3	49-7	49•3	49-6	49-1
26	47.7	48-0	46 • 9	46-6	45-7	44.3		44-1		48-1		52-6		54.7	55-6		51.8	50-0		48-9	49.3			50-1	49-1
27	50-7	47-7	43.7	43-8	43-0	42.4		44-6		48-6	51-6		54.0	55.1	55.0	54.3		50-4		50-5	49-9	49-8	49-8	49.5	49.1
28	48-9	49-1		47-7	45-6	43-6				48.2	50.9	54.1	57-6	57.5	56 • 5	53.9		48.7		48-6	49-8		49.7	49-0	49-5
29 30	51·5 49·7	51.6 51.7	45•7 48•1	44·9 48·6	42.9	42·6 43·3		41·7 43·7			49.1		54·6 55·7		54.7	53·0 52·9		48•8 50•7		49.1	50.8	47.9	48•8 49•6	49•9 48•9	48•5 49•3
30	49.7	21.1	40.1	40.0	44.9	40.0	40.0	*0"1	4.5•∪	#(*0	50•9	53•7	55.7	56•3	94.9	56.9	91.0	50-7	*5.1	#0°/	#0.8	40.0	****	40.3	45.2
Mean	47.5	47.5	47-1	47-1	45-9	44-6	43-6	43-4	44.4	46 • 5	49-5	52-5	55•4	56 • 4	56 - 1	55-1	53-6	52-4	50-7	50•0	49.3	49-2	48-9	48-7	49-4

2/B/1935/063/0_ BB 440 TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

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

JUNE, 1935 291. ESKDALEMUIR (V) 44,000 Y (*44 C.G.S.unit) 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 Mean Hour G. M. T. 7-8 9-10 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 Day 1 873 866 868 7 D 870 868 8 D 9 D 10.D 871 14 15 Q 86.3 16 Q 18 D 843 875 879 **R77** 25 Q 27 877 859 848 854 866

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

8<u>55</u>

Mean

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292.	I	SKD	LEMUIR					MAUNEI	IC CHAP	INCIEM .	LIGUKES:	1 Page 12	ARIOND I	M MACKI	SI HOUD	D			JUNE	, 1935
								Te	rrestria	l Magnet	ic Elemen	ts								Temperature
Day	L		Hori	zontal F	orce			· .	De	clinatio	a			Ver	tical Fo	rce		HR_H+VR_V	Character of Day	House
223			ximum ,000 γ+		imum 000 γ+	F	Range	Maxi 13	io + Tuntu		imum 3° +	Range	Maxi 44,0	mum 00 γ+		imum 000 γ+	Range	10,000 γ ² ⁹	(0-2)	200 +
1 Q 2 Q 3 4 5	h 18 19 19 18 16	22 46 45	7 559 558 561 591 602	Y 496 500 503 505 501	10 5 9 5 12 4	10 52 58 10	Y 63 58 58 86 101	h m 14 9 12 59 13 49 13 48 13 30	55.5 56.7 56.6 60.6 58.2	41.8 43.6 42.7 42.3 41.6	h m 17 58 7 32 7 9 8 0 7 0	13.7 13.1 13.9 18.3 16.6	h m 5 10) 16 33) 18 10 17 10 19 38 17 19	Y 877 877 877 884 889	946 855 850 850 849	h m 11 40 11 51 11 29 12 17 12 3	Y 31 22 27 34 40	243 195 217 295 347	0 0 0 1 1	**************************************
6 7 D 8 D 9 D 10 D	19 22 18 18 18	29 9 57	574 626 575 633 624	480 432 414 466 458	15 3 2 3 11	8	94 194 161 167 166	14 4 14 6 15 50 17 26 13 4	59·1 63·1 60·7 61·9 58·1	41-6 25-6 17-8 36-7 40-6	7 10 22 24 0 36 9 6 6 49	17.5 37.5 42.9 25.2 17.5	18 55 19 26 14 58 16 22 16 30	876 934 888 912 924	837 753 739 815 815	12 4 22 14 2 38 23 46 0 1	39 181 149 97 109	330 1133 935 712 763	1 2 2 1 1	83•6 83•6 83•6 83•6 83•6
11 12 13 14 15 Q	16 19 18 15 18	20 46 10	671 580 563 547 549	478 498 493 496 502	7 3 9 4 9 4	18 31 18 11 10	193 82 70 51 <u>47</u>	16 56 12 59 13 19 15 0 14 4	59·9 56·8 57·6 54·5 54·7	43-2 43-6 41-8 43-8 43-6	3 12 7 32 0 11 6 11 6 22	16.7 13.2 15.8 10.7 11.1	18 32 19 5 19 0 19 3 17 20	905 885 886 876 874	865 855 855 850 859	0 36 23 45 0 5 1 6 12 22	40 30 31 26 15	498 270 259 201 145	1 1 1 0	83-6 83-6 83-7 83-8 83-9
16 Q 17 18 D 19 20	19 20 19 21 18	48 22 16	563 587 671 570 589	510 508 451 454 488	9 4 19 3 11 3		53 79 <u>220</u> 116 101	12 32 12 36 19 42 13 22 13 10	56 · 2 56 · 0 71 · 7 61 · 6 55 · 1	42.7 42.8 35.6 37.5 43.5	7 54 6 6 4 30 0 23 1 59	13.5 13.2 36.1 24.1 11.6	21 20 20 36 17 0 18 32 19 33	876 885 977 914 894	845 848 837 839 858	12 16 11 20 4 4 2 18 13 0	31 37 140 75 36	226 295 992 528 329	0 1 2 1	84.0 84.1 84.1 84.1 84.1
21 22 23 24 25 Q	17 19 15 16 19	22 35 44	587 557 558 557 567	489 480 489 498 499	10 3 11 4 9 4	i3 i2 i8 i5	98 77 69 59 68	15 39 13 35 13 37 13 49 13 35	58-0 57-6 56-7 56-9 56-6	43·3 41·7 41·8 42·6 42·6	7 41 7 4 5 43 17 52 7 19	14.7 15.9 14.9 14.3 14.0	18 38 17 29 16 54 19 23 20 26	913 885 881 876 872	851 861 854 852 847	12 22 13 10 11 59 11 33 12 38	62 24 27 24 25	440 235 235 205 224	1 0 0 0 0	84·1 84·2 84·2 84·2 84·3
26 27 28 29 30	19 18 18 19	32 26 49	563 572 586 570 578	504 504 506 502 505	10 2 11 1 9 3	38 22 .0 33 3	59 68 80 68 73	14 35 13 28 12 55 12 20 12 50	55-7 55-6 58-6 55-0 57-8	42.9 41.6 42.5 40.7 41.8	6 16 5 34 5 59 7 14 5 48	12.8 14.0 16.1 14.3 16.0	5 29 17 0 20 4 18 20 19 32	872 886 893 891 883	856 852 854 843 853	11 42 1 42 24 0 2 10 11 32	16 34 39 48 30	169 265 307 328 255	0 1 1 1	84-3 84-4 84-5 84-5 84-6
Mean			583	487		-	96		58-1	40-5		17•6		892	841		51	386	0-77	83-9
No. of Days Used			30	30		-	30		30	30		30		30	30		30	30	30	30

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

16,000 y (.16 C.G.S. unit) +

JULY, 1935

293.	ESKDA	PEWAT	R (H)		1	ſ			10,	7 000	(10	C.G.S		•, •		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							, ,	
Hour G. M. T.	0-1	1-2'	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 5 Q	y 543 552 538 542 538	Y 542 540 535 540 535	7 540 541 538 539 538	7 538 535 543 543 540	y 538 533 543 540 540	7 538 546 540 535 540	7 534 538 534 530 536	Y 526 529 5 25 52 0 52 6	γ 514 515 515 510 513	9 506 507 506 507 503	502 503 502 502 507 496	7 500 514 504 508 499	γ 506 528 518 521 509	7 524 537 531 521 528	7 540 534 541 535 550	7 548 561 545 546 560	7 542 561 556 538 555	7 551 556 546 545 557	y 551 547 556 543 551	7 557 551 561 554 545	7 551 542 556 553 545	7 551 547 553 547 545	7 552 539 550 543 542	7 553 542 550 548 543	9 535 537 537 534 535
6 Q 7 8 D 9 D 10	541 549 552 5 52 523	540 546 552 553 524	541 547 549 546 528	539 546 558 543 526	540 545 558 535 523	539 541 556 527 521	536 540 527 521 518	532 541 464 519 510	522 527 469 514 502	513 516 484 510 500	509 509 494 508 496	509 518 497 501 502	512 521 528 507 512	522 522 523 514 517	533 532 545 529 530	538 545 519 532 533	537 545 517 548 533	541 547 529 534 543	556 552 533 533 548	550 555 546 542 554	558 558 551 543 549	554 577 546 542 543	552 553 546 542 543	551 545 546 542 537	536 <u>541</u> 529 531 526
11 12 13 14 15	537 539 538 547 539	538 539 536 535 539	537 538 534 530 536	538 535 533 530 536	538 539 529 535 536	534 520 526 533 530	524 518 521 521 521 521	514 515 520 508 512	492 511 515 503 511	476 507 515 513 513	496 508 511 516 517	520 511 512 528 525	529 520 515 530 544	534 533 538 535 539	556 534 548 561 550	542 544 541 562 561	537 548 543 554 571	550 552 545 568 562	551 547 555 563 549	553 558 556 551 540	552 556 549 557 539	549 544 554 553 535	544 540 548 548 533	542 538 548 559 533	533 533 535 539 536
16 17 Q 18 Q 19 20	535 540 545 546 534	532 540 535 552 537	527 537 537 565 532	528 535 537 545 532	530 531 540 536 528	522 527 540 536 532	519 526 540 537 528	514 523 536 532 527	504 513 526 531 523	506 507 515 523 514	499 513 512 525 511	503 522 505 514 497	516 527 505 519 509	536 545 515 527 518	545 552 536 546 540	554 552 532 558 546	553 548 539 549 555	544 544 541 542 550	540 546 545 542 558	541 547 550 552 555	544 549 556 546 550	542 541 551 542 549	541 541 548 538 552	541 540 546 537 550	530 535 535 539 534
21 22 D 23 24 D 25 D	546 542 510 539 535	546 547 527 534 534	546 551 533 538 534	546 558 533 537 544	546 556 527 537 511	546 562 535 543 467	541 560 534 548 513	532 533 528 548 486	526 498 511 520 503	515 508 497 503 503	501 501 491 512 470	498 491 501 509 449	508 497 505 500 480	508 496 511 511 502	517 524 522 517 524	535 538 517 533 547	532 569 521 523 525	542 561 529 534 555	566- 549 538 539 549	567 552 540 549 535	560 552 544 558 549	553 557 544 548 535	551 565 542 566 531	546 522 542 525 540	536 537 524 532 518
26 27 28 29 30 Q	530 535 525 542 531	534 531 525 534 536	532 535 528 534 530	529 531 528 532 531	531 534 527 520 532	531 526 524 520 525	529 529 521 529 530	525 528 521 529 526	522 517 516 525 518	517 507 516 522 507	518 498 505 518 499	519 502 519 516 501	518 502 527 517 509	520 515 528 518 522 527	520 524 534 516 540 529	525 538 536 530 540	536 534 540 531 536	543 535 539 543 540	544 538 545 539 539	549 541 538 554 540 559	552 547 539 541 540	540 541 539 530 540 553	537 543 535 530 539 552	538 525 539 533 539	531 527 529 529 529 533
31 Mean	535 539	533 538	530 538	530 537	532 535	535 532	534 530	527 522	517	508	<u>505</u>	506	514	523	536	542	542	546	548	550	<u>550</u>	547	545	541	533

19/2/2/201/01/1./B13.

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

294.	ESKDA	L em ui	IR (1	D)								13°	+	٠										JULY,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 5 Q	49·3 46·7 48·0 48·6 48·3	48.6 46.5 48.8 48.1 47.8	49.6 45.5 47.6 47.8 47.6	49·3 46·5 46·5 47·3 47·1	47.0 49.6 45.0 44.8 46.4	44.7 44.8 43.9 42.8 45.0	43.8 42.5 42.8 41.9 43.9	43.8 43.6 42.8 42.7 43.8	45.5 43.7 43.7 43.3 43.9	48.8 45.7 46.6 44.3 44.7	53.0 49.0 49.9 49.5 46.8	57·3 53·0 53·1 52·9 48·9	59·7 55·9 55·5 55·7 53·0	60-1 56-5 55-1 56-5 56-6	58·9 55·2 54·1 55·6 57·6	57·1 53·5 53·6 53·6 56·7	52•7 50•9	51.7 50.5 49.5	49.8 49.8 49.6 49.0 50.5	48.0 49.1 48.8	49.5 48.7 48.9 49.1 49.6	48.9 49.3 49.6 49.5 49.6	49·1 48·5 49·7 48·8 48·7	48•5 48•7	50-8 49-0 49-0 48-7 49-2
6 Q 7 8 D 9 D 10	48.6 47.9 46.0 48.6 44.6	48.6 47.7 46.5 47.6 46.0	48-6 47-7 44-5 46-7 46-4	47.8 47.5 44.4 46.4 45.5	46·3 47·5 42·5 43·2 45·4	44·3 45·7 43·1 42·2 44·6	42.9 44.5 43.8 41.5 43.8	42-1 43-4 46-1 41-8 44-4	42.7	41.8 44.5 55.0 44.9 46.7	45-0 48-0 53-7 47-8 50-4	48.0 51.5 57.1 52.6 53.2	54.7	55.8 56.8 60.0 57.2 54.8	56.8 56.9 61.0 56.6 54.6	55.6 56.2 58.1 54.9 52.9	54-3	52·1 54·8		50-2 50-7	48.8 50.2 50.5 50.2 47.9	47.8 50.6 49.4 49.8 48.7	44-0	44·2 48·9 44·9 47·7	48-5 49-2 <u>51-2</u> 48-6 48-5
11 12 13 14 15	47.6 48.3 48.4 49.1 44.9	47.5 47.7 47.7 46.9 45.9	46·7 47·2 47·1 45·6 45·6	46.5 46.0 46.9 44.6 44.8	45·2 43·5 45·6 44·6 44·4	43.7 40.4 44.6 43.5 43.1	42·1 41·1 44·6 41·6 43·2	42.5 42.0 44.5 41.6 42.4		48.5 46.0 45.9 46.6 46.5	52-1 49-6 48-6 48-4 49-6	55.2 51.5 52.5 52.0 51.7		55.9 53.6 55.8 56.7 56.7	56 · 6 53 · 2 56 · 5 55 · 9 57 · 5	54.9 52.1 55.1 53.5 55.0	51·7 51·4		49-5 48-6 49-1 49-6 50-5	47·5 48·9 48·5 48·7	48-8	49-6 47-6 47-5 48-9 48-7	48·1 48·5	1	49-3 47-8 49-0 48-3 48-8
16 17 Q 18 Q 19 20	48-6 47-6 46-9 47-6 44-6	48.2 47.8 45.8 48.5 44.6	45·9 47·2 44·6 49·4 44·6	45-0 45-7 44-7 40-9 44-7	44·9 44·5 44·4 41·2 44·4	43·1 43·2 43·1 42·5 42·8	42.5 43.2 43.3 43.9 42.6	40·9 43·1 42·7 43·6 42·5	43.6 43.0 42.6 43.1 41.1	43.6 45.6 43.5 46.9 42.5	47-9 49-6 45-0 50-5 46-5	52-6 54-4 49-5 54-5 49-8	54.6 57.6 53.1 57.7 53.8	54.6 58.1 55.5 58.7 54.6	54·5 56·4 55·6 59·6 54·7	53-5 53-7 54-1 56-6 52-2	51·4 52·1 51·8	49-6 48-7 48-7	48.0 48.7 47.6 47.3 49.4	48·5 47·5 47·7	48·5 47·6 47·6	47-7 47-7 46-2 47-0 47-7	48·4 47·4 47·5	47·7 48·6 47·7 46·7 47·2	47·9 48·8 47·5 48·7 47·3
21 22 D 23 24 D 25 D	47·3 48·1 40·9 46·7 44·5	47.5 47.7 44.6 47.9 40.9	46.8 45.6 46.5 48.1 42.4	46.5 46.5 45.5 47.7 46.0	45.7 46.4 47.0 47.8 50.6	45-2 49-6 44-8 48-0 54-6	44.5 44.6 42.6 45.6 52.8	44.6 43.7 42.6 45.2 54.6	43.8 44.8 43.7 45.2 54.9	45.6 46.1 44.7 45.8 51.4	49·4 46·5 47·9 48·4 49·7	53.7 50.6 51.5 50.0 51.4	56 · 5 53 · 9 53 · 7 53 · 5 52 · 7	57·1 55·5 54·6 53·7 54·6	55·4 54·5 54·5 50·9 50·4	54.8 51.6 52.1 52.8 51.9	52·5 51·4 52·7	51.7 49.6 50.8 51.7 53.5	47-9 50-5 49-7	48·8 49·8 47·1	48.5 49.7 49.5 49.4 44.6	48-6 50-5 49-5 46-9 47-7	44.6 48.4 40.8	48·9 42·8 47·7 42·5 45·7	49·4 48·4 48·1 48·3 49·7
26 27 28 29 30 Q	46 · 6 47 · 4 46 · 8 48 · 3 47 · 0	45.6 47.6 47.5 47.8 47.1		48.6 47.7 46.8 45.8 44.6	46.6 44.4 45.9 47.0 44.8	45 · 4 43 · 5 45 · 8 48 · 6 46 · 3	44-4 43-6 45-6 48-8 45-6	44.4 43.4 44.8 46.8 44.8	44.5 44.4 45.4 47.3 46.0	45·7 47·8 46·8	46 · 6 44 · 7 46 · 8 47 · 8 47 · 9	48.5 47.5 49.8 48.0 49.8	51.6	50.6 51.0 53.2 53.0 52.2	49.8 50.6 53.1 51.6 51.7	48-9 50-4 52-7 49-8 50-9	48.5 51.4 48.7 49.8	47·7 49·8 48·2 48·8	48-4 48-8 48-8 48-7	48.5 48.5 48.6 48.6	48.6 46.7 46.8 48.3	47·7 46·9 46·8 47·0 48·3	45.5 47.6 48.2 48.0	48·6 47·8 48·3	47-5 47-1 48-2 48-4 47-9
31 Mean	47-8	48.1	47.4	46.1		44.8		43·6 43·8	43.7		48-5		51.9	52·7 55·4	51.5	49·8 53·5	49.7	49·6 50·3			48-6	49.7			48-8

10 / 0 /B/1935/073/0-/BB/440

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

295. ESKDALEMUIR (V)

44,000 y (.44 C.G.S.unit) +

JULY, 1935

													_			_									
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5–6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 5 Q	Ý 871 869 869 868 868	Y 871 867 867 868 870	Y 871 864 869 871 871	9 871 867 872 872 872	Y 873 865 873 874 874	963 874 863 874 875 875	Y 872 867 872 875 873	Y 871 870 870 873 871	Y 868 874 867 866 868	962 875 863 863 864	943 870 857 858 860	Y 845 860 857 853 856	Y 848 851 860 852 863	952 852 862 862 857 859	960 862 865 863 864	969 869 870 868 869	97 876 876 877 875 874	97 877 881 877 876 876	97 881 874 875 879	974 880 870 875 879	972 876 872 871 875	971 873 871 871 872	970 870 870 869 871 872	970 870 868 868 872	9667 869 869 868 868
6 Q	871	871	872	874	874	875	874	874	872	868	859	855	859	861	861	861	874	876	878	878	874	873	870	870	870
7	869	869	869	870	870	869	870	869	867	861	850	844	843	853	858	863	871	876	877	877	874	868	868	869	866
8 D	869	869	871	870	872	873	874	877	859	852	855	869	885	893	888	890	896	896	901	898	891	884	877	876	8 7 9
9 D	873	872	876	877	880	881	879	877	871	869	868	861	859	861	870	878	882	876	876	875	872	872	871	864	873
10	861	864	863	868	873	875	878	878	875	868	867	865	856	863	867	871	880	882	881	882	878	877	874	874	872
11	874	874	874	874	874	875	877	876	872	869	866	862	861	859	863	879	889	889	883	877	874	874	874	874	873
12	874	874	874	874	874	873	870	867	866	866	862	856	857	857	858	866	872	875	876	874	877	876	873	873	869
13	873	873	873	873	873	873	874	874	870	861	859	861	862	866	871	878	875	876	876	873	875	873	872	872	871
14	865	965	868	871	872	872	872	869	864	859	857	853	853	857	862	872	872	872	872	872	872	872	872	863	867
15	864	967	868	868	870	871	871	871	866	860	859	857	858	867	875	886	890	897	893	886	879	876	875	874	873
16	871	868	870	871	871	871	871	869	867	869	867	863	863	867	871	878	887	886	879	874	872	872	871	871	872
17 Q	870	870	870	871	873	873	870	868	862	858	852	855	859	865	870	875	878	878	874	871	871	873	871	870	869
18 Q	867	868	868	869	870	870	870	868	864	863	861	858	856	859	866	876	877	878	877	873	869	869	869	869	868
19	869	866	857	852	857	852	851	854	853	847	846	853	863	867	874	884	893	895	891	883	880	877	874	872	867
20	870	866	864	865	869	870	873	872	862	862	858	860	864	863	864	866	869	895	874	871	869	869	868	868	867
21	868	868	868	868	869	871	871	871	864	862	851	844	844	851	863	869	874	877	874	877	877	874	870	869	866
22 D	869	868	867	867	867	862	862	866	867	866	866	855	855	860	863	871	880	896	893	883	877	873	865	847	869
23	840	853	862	863	865	862	865	865	865	866	865	856	857	861	866	871	873	873	872	873	873	873	873	872	865
24 D	868	867	865	865	865	865	868	864	865	869	866	858	858	865	874	877	884	882	890	893	884	879	848	839	869
25 D	850	796	839	845	818	812	822	836	838	849	860	864	868	884	896	903	906	899	910	906	901	888	878	865	864
26	856	856	860	870	874	875	875	875	874	872	867	868	874	878	875	876	877	876	875	875	875	8 75	875	875	872
27	874	873	868	858	859	865	968	872	874	874	870	863	859	861	868	868	874	874	870	869	870	873	870	870	869
28	870	871	873	873	870	871	870	871	870	869	869	863	862	869	871	872	874	873	874	877	878	876	873	872	871
29	867	968	869	871	869	865	961	858	857	859	855	852	851	858	868	873	880	877	875	877	883	880	877	874	868
30 Q	873	966	866	869	869	869	867	871	872	869	873	870	866	863	870	874	876	876	877	875	873	872	872	871	871
31	872	872	872	871	871	871	871	870	866	860	853	854	853 858	859	864	868	871	874 880	872	871 878	868	868 874	868	868 869	867

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

JULY, 1935

296.	ES	SKDAI	LEMUIR						- \	, ,											3001	, 1935
									Te	errestri	al Magne	tic El	emen	ts							Magnetic	Temperature
			Horizon	ntal For	се					De	clinatio	n				Ver	tical Fo	orce		HR _H +VR _V	Character of day	
Day		Maxi	.m/m .m/m		imum 000 y	+	Range	M	axin		Mini 13	mum o +		Range	Maxi 44,0	.mum 000 γ +	Mini: 44,00	ωτω ωτω	Range	10,000 γ²	(0-2)	House 200 +
1 2 3 4 5 Q	h 22 15 19 19	m 14 55 44 28 47	Y 559 570 563 561 566	Y 493 498 524 498 493	h 10 10 10 11 10	m 50 55 50 14 39	Y: 66 72 39 63 73	12 13 12 13	m 54 5 50 47 20	60·7 57·6 55·7 56·6 57·9	43.6 41.8 42.6 41.3 43.6	6 6 7 6	m 34 19 0 11 48	17·1 15·8 13·1 15·3 14·3	h m 18 4 17 24 17 33 18 3 19 15	Y 878 881 879 878 880	Y 843 851 856 850 852	h m 10 59 13 9 10 30 12 23 12 30	Y 35 30 23 28 28	266 254 172 230 246	0 1 0 0	°A 84-6 84-7 84-7 84-7
6 Q 7 8 D 9 D 10	19 21 12 23 19	50 14 54 3 10	564 614 565 565 558	508 508 449 493 497	10 10 7 11 11	18 24 48 13 25	56 108 116 72 61	13 13 13	10 55 54 24 54	58·1 57·5 63·6 57·6 55·2	40·8 40·3 40·5 38·6 42·7	22 4 6	23 48 36 59 52	17.3 17.2 23.1 19.0 12.5	18 53 19 11 18 40 16 23 17 32	880 877 901 883 883	855 841 851 858 855	11 40 12 15 9 30 12 58 12 30	25 , 36 50 25 28	204 337 415 231 227	0 1 1 0	84.9 84.9 85.1 85.1 85.1
11 12 13 14 15	14 19 19 15 16	18 29 41 37 33	565 561 562 630 586	488 501 506 498 508	10 10 12 8 8	22 19 29 18 18	77 60 56 132 78	13 13 13	19 15 57 53 58	57.5 54.1 56.8 57.5 58.4	41.5 39.6 43.5 40.6 40.6	5 6 7	55 32 12 18 36	16.0 14.5 13.3 16.9 17.8	16 42 21 5 15 41 15 32 17 40	890 877 880 876 898	859 853 858 850 855	13 30 11 17 10 22 11 59 12 10	31 24 22 26 43	266 202 190 335 322	1 0 0 1 1	85·1 85·1 85·2 85·3 85·3
16 17 Q 18 Q 19 20	16 15 20 3 18	34 18 42 3 18	566 557 563 577 564	498 504 499 505 495	10 9 12 11 11	50 50 5 58 42	68 53 64 72 69	13 14	55 9 24 22 3	54·9 58·5 56·5 60·5 55·6	39•7 42•5 42•3 38•6 40•8	6 8 3	22 10 6 21 45	15-2 16-0 14-2 21-9 14-8	16 54 16 30 16 45 17 20 17 59	890 678 878 896 876	862 851 855 845 857	11 50 11 0 12 12 9 52 11 5	28 27 23 51 19	238 208 207 348 199	0 0 0 1 0	85-3 85-3 85-4 85-4 85-4
21 22 D 23 24 D 25 D	19 16 21 20 1	12 46 3 39 6	582 580 549 629 575	494 486 484 483 438	11 12 10 12 5	3 10 40 42 35 48	88 94 65 <u>146</u> 137	12 13 13 7	19 45 26 43 50	57·5 56·5 55·7 55·5 58·2	43·5 40·4 39·4 33·7 35·9	22	7 32 19 34 37	14.0 16.1 16.3 21.8 22.3	20 12 18 0 16 6 19 9 18 58	878 897 875 896 913	844 834 831 811 773	12 22 24 0 0 5 22 53 1 25	34 63 44 85 140	302 433 305 618 855	1 1 1 2	85•4 85•5 85•5 85•6 85•7
26 27 28 29 30 Q 31	20 22 21 19 17	12 6 0 12 14	566 561 553 566 548	513 497 501 508 498	11 10 10 14 10	10 22 36 11 39	53 64 52 58 50	13 14 13 13	1 40 38 30 22 24	50.7 51.5 53.8 53.8 52.7	43.5 41.7 43.8 44.8 43.8	8 20 3 4	53 51 55 43 7	7.2 9.8 10.0 9.0 8.9	13 40 21 49 20 6 20 10 16 48	879 874 878 884 877	852 855 858 850 861	0 5 3 32 12 10 12 0 12 30	27 19 20 34 16	208 191 176 249 155	1 0 1 0	85·7 85·7 85·7 85·7 85·9
Mean	18	18	574 571	487 495	11	14	87 76		32	52·8 56·4	42.9	7	23	9-9	17 33	883	852 848	11 0	24 36	252 285	0.58	85-3
No.of Days Used	 		31	31			31			31	31			31		31	31		31	31	31	31

8- 154

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

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

297. ESKDALEMUIR (H) 16,000 Y (·16 C.G.S.unit) + AUGUST, 1935

																							_	_	
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 Q 4 5	Y 550 546 535 542 544	Y 542 542 535 541 539	Y 528 537 537 540 540	7 532 533 536 540 541	Y 535 532 536 541 544	7 532 529 537 536 542	7 527 521 540 531 537	Ý 519 513 536 526 526	y 510 499 530 521 513	Υ 505 485 514 516 505	γ 505 484 503 516 505	Y 508 496 503 517 516	Y 524 508 513 514 521	γ 528 514 525 517 530	522 520 537 527 527 534	Y 534 534 540 535 545	7 549 533 536 538 537	7 551 536 540 545 540	7 537 541 544 554 558	7 544 537 549 564 558	γ 541 541 548 558 548	7 537 541 545 550 551	7 545 537 545 547 551	549 540 543 545 546	7 531 525 534 <u>536</u> 536
6 7 8 9 10	536 542 536 545 536	545 534 537 537 537	537 523 534 538 538	536 531 532 532 531	534 534 532 529 537	531 528 533 532 537	528 521 528 528 528 533	518 511 523 520 527	512 499 513 517 522	507 493 506 514 519	508 499 511 513 515	513 514 514 518 519	526 522 527 522 523	536 526 518 528 525	535 536 513 530 531	527 545 527 532 538	536 539 538 532 542	552 544 547 541 548	558 545 550 550 544	557 545 547 547 547	558 543 546 546 548	549 537 548 546 545	540 537 546 545 542	533 538 541 545 532	534 529 531 533 534
11 12 Q 13 14 Q 15	533 538 534 533 541	536 537 533 534 538	536 532 532 533 534	537 533 534 537 533	536 536 532 531 529	530 532 524 529 528	520 527 520 522 523	515 515 513 516 515	512 514 500 514 507	512 512 495 515 502	515 514 500 520 505	527 518 506 519 523	537 520 523 522 535	533 522 521 528 551	538 526 528 537 569	542 531 527 543 548	537 538 532 542 537	536 543 536 537 543	541 547 543 538 548	546 549 550 544 551	544 546 550 544 547	541 538 540 543 549	538 537 532 542 537	538 536 543 541 538	533 531 527 532 535
16 17 Q 18 Q 19 D 20 D	539 535 539 546 528	541 537 538 547 529	538 534 538 546 534	538 533 538 544 534	529 528 537 545 546	533 524 534 548 533	532 520 534 546 538	528 516 528 534 528	527 509 519 520 506	518 501 505 511 501	522 505 501 507 496	514 511 505 502 493	533 520 515 502 512	533 529 523 517 507	538 534 528 512 522	537 540 539 529 527	538 539 542 540 525	547 538 548 543 542	551 539 545 539 547	555 546 542 548 542	546 547 546 548 541	534 547 546 544 538	534 547 545 534 534	534 542 545 533 528	535 530 533 533 527
21 D 22 23 24 25	512 529 536 532 558	519 524 530 529 545	520 529 530 430 537	529 530 523 532 538	518 530 521 534 542	524 530 525 535 544	521 525 530 534 546	509 519 521 522 534	488 507 479 511 521	495 487 494 499 511	503 493 507 497 507	506 502 507 503 503	519 502 498 521 505	518 521 517 525 508	527 533 523 525 513	527 547 534 525 523	515 546 528 534 531	542 549 532 534 532	554 538 542 540 535	556 547 543 537 540	548 553 532 540 540	547 529 531 529 542	552 531 529 537 541	551 542 540 548 542	525 527 <u>523</u> 527 531
26 27 D 28 D 29 30	541 539 546 534 549	541 536 544 532 536	539 536 540 530 540	535 532 535 531 532	529 530 537 526 543	524 527 541 525 538	524 521 513 525 539	519 513 517 517 525	510 508 512 504 499	508 505 511 495 493	508 507 507 493 491	507 520 513 501 498	515 531 518 512 504	523 541 530 518 514	535 544 540 530 530	531 544 540 530 527	540 549 565 536 535	542 564 557 540 540	534 580 541 542 539	540 546 539 548 540	541 567 541 550 544	540 559 535 545 540	537 558 533 542 541	540 565 535 545 544	529 538 533 527 528
31 Mean	54 0 53 9	542 537	541 535	541 534	545 534	542 532	533 529	516 521	512 510	506 505	507 505	515 510	520 518	52 5	53 0	535 535	536 538	544 543	545 545	544 547	544 546	541 542	542 541	536 541	533 531

10/0/18/935/08/01/18/18/3

MAGNETIC DECLINATION (WEST)

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

298. ESKDALEMUIR (D) AUGUST, 1935 Hour 1-2 2-3 8-9 9-10 10-11 11-12 6-7 | 12-13 | 13-14 | 14-15 | 15-16 16-17 17-18 18-19 19-20 20-21 M. T Day 1 49·3 48·7 47-3 47.7 55-8 51.7 48-9 49-0 48·9 47·5 50.0 52.2 53.5 50-3 48-6 49-5 47.6 46 - 8 46.5 46 - 0 44.9 42.9 42.5 41-7 41.7 44-6 48.2 51.9 54.5 54.3 51-6 49-9 48-4 47-5 47-8 48-8 48-5 47.5 47-8 48-8 47-8 47.0 45-6 45.3 48.3 44.8 44.5 52.9 55.5 49-7 48-7 48-7 48.6 47.9 48-4 44.6 44.9 46 . 8 49.5 54.3 51.4 48-4 47.9 48-6 46 • 4 44·5 42·7 48.2 47.6 49-5 5 44-7 43.7 47.4 47-9 45.6 42.0 41.9 42.5 43-4 46 • 6 49-6 53-9 54.6 53-8 52-7 50-2 48-7 49.8 49-6 45.4 48.9 46.4 43.7 47.3 43.7 45-6 45.9 45.4 45.3 43.5 43-4 43.6 44-5 46 • 6 49-1 54.5 52.6 50-7 50-5 50.8 51.2 49.7 48.0 48-6 48-3 45-2 45-4 43.7 42.6 41.7 42.4 45.0 52.4 53.2 47-4 50.8 43.5 46 • 5 48.6 50-7 51.9 50-5 48.5 47-6 47.6 48-4 48.4 47.6 47.8 46 • 2 48.5 47.9 45-5 44.8 43.6 43-4 44.5 46.9 49.6 51.7 53-6 49-6 48-7 48-6 47-9 46 • 4 45.8 45.7 44.6 45.4 42.5 40-2 43-1 43-9 46 • 4 48-4 51.5 53 - 7 53.7 53-4 51-9 50.5 49-6 48-9 48-6 48-6 47-7 45.6 46.2 45-8 43.5 43.5 42.9 10 44.2 44.6 46.5 52.5 52.6 51.8 48-4 48.5 47-9 47-5 44.1 49.6 50.7 49.6 48.6 47-9 51.5 44.8 43-0 45-8 45-8 45-8 42.5 42.7 47.2 44.8 46 • 6 48-5 50.5 52.5 52.3 50-6 49-5 47-3 47.3 48.0 12 13 14 15 43-4 43·5 42·5 42·9 47.5 46•8 45.9 45.5 43-6 47-0 45-6 48-4 49-2 50.9 52.3 51•4 48-8 47.6 47.5 47.3 52·5 52·7 55-4 46.9 46.2 45.8 46 • 4 45.4 43.9 43.4 42.8 46 • 6 48.6 54.9 55.5 52.6 50-5 48.7 48.3 48-4 47.5 45.2 47-8 Q 47-7 47.6 43.5 45.9 49.6 54.5 53-9 52.7 51.1 48.5 46 - 6 46.5 46 • 4 45.6 45.5 44-9 43.8 43-6 42•1 43-1 56 • 7 56 • 6 56 • 0 52-8 48-6 47.8 50-1 54.1 50-1 48-1 16 17 45.9 47.6 45.5 44.0 41.4 40-2 48-6 53-8 50-6 43.5 47·5 47·6 46.6 44.6 43.4 43·6 43·2 44·6 42·4 45·9 44·3 54·9 55·3 54·8 53·7 52·7 51·3 50·3 49·4 48.3 48.0 47·6 47·3 46·5 46·6 46.7 45.7 43.0 48-8 52.4 56 . 2 47.7 47-2 47-9 18 19 20 46 • 5 47.9 47-4 47-8 55-8 46 - 4 48-3 52.0 D 46.0 46.3 45.6 45.4 45.0 44.0 40.5 57.5 48-6 45-4 47•2 41.7 41.6 43-4 42.7 42.5 45.5 42.5 48.7 48-4 50.4 51.6 53.3 54-5 53.2 51.3 49-6 47.7 48-6 48-3 46.3 44-4 47-2 21 D 43.2 39.6 44-0 47-4 43-6 42.8 45.3 46 • 4 47.3 49-4 51-3 52-7 53-8 54-1 55-8 51 - 4 50-7 48-3 46 • 7 47-7 48-0 48.0 48-2 44.9 43 · F 47-4 22 43.9 44.1 43.8 43.6 43.8 44.5 46-1 48.9 46.3 46 • 4 45-1 45.2 46 - 5 48.2 52.2 56 • 4 53.6 51.6 49.3 48-8 54.6 23 24 43·8 44·6 43-5 46 - 4 48.6 41.4 45.3 45.2 43.7 45.7 48-0 48-3 50-3 52.2 52.5 **46 • 3** 46.1 46 • 0 43.7 45-1 46 46 - 9 46 - 2 43.4 42.4 44.0 44.6 42-1 42-4 43-9 48.7 51.5 52.3 51.2 49-6 47-3 46.2 46 .6 47.0 46.8 45.2 48-1 46.3 25 47.7 38-1 37.0 39.0 40.9 45.0 52.1 45-3 47.7 50-8 51.3 49.0 46 - 9 45-1 45-9 46 • 5 42-9 43-6 47.5 45-1 46 - 5 47.7 47.0 46 • 9 45.1 47.3 52-1 52.2 50-9 48-2 47.5 49.8 48.5 48.0 27 43-3 42-7 46.9 46.5 48 - 2 45.9 44.8 41.9 42-1 42.7 45-2 51-1 52.1 51.1 49.3 47-2 49.6 52-4 46 • 9 49-3 48.5 47-1 48-1 28 43-0 44.7 45.3 43.9 42.7 44-9 44.2 46 • 4 44 • 8 49·4 47·7 46 . 2 46•4 47•1 45.2 48.5 50.7 51.5 51.2 50.2 49-1 48-6 42.9 42.9 45.5 46 • 4 46 - 4 29 30 46.7 43.1 46 • 5 53.7 53-0 46.8 48-2 51.9 43.6 50.3 44.3 46.3 44.6 44-4 44.6 42.5 41.8 41.2 41-6 43.8 54.7 53-6 46 - 5 45.7 45.6 46.3 46 - 6 46 - 3 46-0 46.3 46.5 31 46 • 5 46.7 46.5 47.6 48.1 45.2 42.9 41.5 41.2 42.9 46 • 2 46 • 2 45-9 45-3 46-0 46 • 9 47-1 45.7 49-1 52-2 54.1 54-1 52.2 50-2 48-0 46-2 45-9 45-3 Mean 45.2 44.3 43-4 42.7 42-9 44.1 46.0 48-6 51-3 47.6 47.2 46 • 7 47-3 53-6 54-0 52-7

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10 / 0 / B / 1935 / 083 0 / 88 / 440.

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

AUGUST, 1935 44,000 y (.44 C.G.S.unit) 299. ESKDALEMUIR (V) 18-19 19-20 20-21 21-22 22-23 25-24 Hour 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 5-6 2-3 3-4 4-5 0-1 1-2 G. M. T. Day 1 as o 8<u>8</u>5 **74** 867 7 13 14 15 Q Q 17 18 19 QQD D 24 25 0 859 28 D D <u>855</u> Mean

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

300. ESKDALEMUIR

AUGUST, 1935

				•						Terrestr	ial Magn	etic	Eleme	nts								Magnetic	Temperature
Day			Horizon	tal For	се					Dec	lination						Vert	tical Fo	rce		HR _H +VR _v	Character	in
		Maxim	num 00 7 +	Minia 16,00		+	Range		Maxi		Mini 13°			Range		Maxim	num O Y +	Mini 44,0	mum 00 γ + .	Range	10,000 γ ²	of day (0-2)	Magnet House 200 +
1 2 3 Q 4 5	h 17 21 19 19	m 6 3 38 33 0	Y 569 545 552 575 575	Y 497 480 500 505 500	h 11 10 11 12 11	m 10 0 32 41	Y 72 65 52 70 75	h 12 13 13 13 13	m 35 45 30 0	56·4 55·7 55·6 54·0 54·8	42.2 40.7 43.7 42.6 41.5	h 1 7 7 7	m 20 50 15 34 52	14.2 15.0 11.9 11.4 13.3	h 17 5 16 5 20	m 55 5 32 13 31	Y 887 878 878 875 877	Υ 856 846 863 848 841	h m 2 0 11 33 11 10 11 20 11 54	7 31 32 15 27 36	258 251 153 237 286	1 1 0 0	85.9 86.0 86.0 86.0 86.1
6 7 8 9 10	19 0 22 19 17	15 19 25 10 50	568 554 554 564 556	504 490 503 504 505	10 9 14 10 9	51 29 44 18 52	64 64 51 60 51	13 13 12 12 12	23 22 28 39 40	55.5 53.6 53.8 54.6 52.9	42.0 40.5 42.5 39.7 41.7	6 7 6 6	50 4 32 32 32 12	13.5 13.1 11.3 14.9 11.2	15 16 4 19 18	18 51 50 58 45	885 882 872 873 876	845 843 849 850 854	10 33 0 32 11 40 11 39 13 29	40 39 23 23 22	286 281 183 202 187	1 1 0 0 0	86 • 2 86 • 2 86 • 2 86 • 3
11 12 Q 13 14 Q 15	16 19 20 17 14	31 43 13 2 44	551 552 559 547 584	509 509 491 511 499	8 9 9 9	56 23 42 12 25	42 43 68 <u>36</u> 85	12 13 12 12 12	15 42 58 43 45	52.7 52.7 56.5 54.7 57.7	41.6 42.3 41.6 42.6 41.6	6 7 7 8 6	25 4 8 0 38	11.1 10.4 14.9 12.1 16.1	17 15 22 7 15	50 35 3 10 45	872 871 874 872 877	855 856 844 859 851	11 50 11 53 12 8 11 0 10 13	17 15 30 13 26	145 143 247 117 131	0 0 0 0	86•3 86•3 86•4 86•4 86•4
16 17 Q 18 Q 19 D 20 D	19 22 18 21 4	16 30 0 58 16	565 552 551 556 556	501 501 497 475 487	11 9 10 12 13	3 20 5 18 43	64 51 54 81 69	13 13 13 12 12	33 43 54 46 3	54 · 7 56 · 6 56 · 4 59 · 4 55 · 5	37·4 42·6 42·3 39·2 40·3	20 6 8 22 7	32 18 10 22 15	17·3 14·0 14·1 20·2 15·2	17 17 17 18 19	3 30 58 50 15	879 873 876 888 887	848 845 852 842 850	10 29 12 42 13 10 12 46 2 10	31 28 24 46 37	245 210 197 341 280	1 0 0 1 1	86 · 5 86 · 5 86 · 5 86 · 5 86 · 5
21 D 22 23 24 25	23 20 23 23 0	2 30 57 50 58	576 572 553 557 572	483 480 <u>466</u> 492 499	8 .9 .8 10 11	22 25 28 57 37	93 92 87 65 73	13 12 12 13 13	28 26 46 40 11	55 · 2 57 · 8 53 · 4 53 · 5 52 · 4	37·7 39·2 39·9 41·5 35·3	1 0 2 7 3	22 47 38 54 18	17.5 18.6 13.5 12.0 17.1	16 17 20 17 17	52 26 36 49 30	891 894 882 885 877	838 839 <u>836</u> 856 837	0 30 0 33 1 58 0 20 4 5	53 55 46 29 40	390 403 351 237 300	1 1 1 1	86 • 5 86 • 6 86 • 6 86 • 6 86 • 6
26 27 D 28 D 29 30	17 18 16 20 0	5 47 47 32 17	551 616 575 553 558	500 481 502 490 485	10 19 10 10	12 8 16 0 2	51 135 73 63 73	13 18 11 14 13	20 46 42 0	52·7 54·0 53·2 54·5 55·3	42·3 41·2 40·4 40·5 40·3	7 23 18 7 8	26 46 33 2 15	10.4 12.8 12.8 14.0 15.0	18 7 18 16 16	39 0 39 29 27	876 874 <u>898</u> 875 888	853 850 854 853 852	11 42 11 50 10 48 11 28 11 48	23 24 .44 22 36	187 331 318 203 282	0 1 1 0 1	86 · 7 86 · 7 86 · 7 86 · 7 86 · 7
31	16	11	554	502	9	50	52	13	2	54.7	40-6	7	52	14.1	15	37	882	858	4 50	24	194	11	86 • 8
Mean No.of			562	495		_==_	67			54.9	40-9	<u> </u>	<u></u>	14.0			880	849		31	244	0-58	86 • 4
Days Used			31	31			31			31	31			31			31	31		31	31	31	31

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

301. H	eskdal	EM UIR	(H)		٠					16,	,000 Y	(•16	C.G.u	nit)	+							-	SEPT	EMBER	1, 1935
Hour, G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mesn
Day 1 2 Q 3 4 5	7 563 536 539 539 539	Y 535 535 537 533 534	y 516 535 535 537 528	539 533 532 533 531	Y 539 531 539 532 534	Y 527 530 528 531 531	y 530 525 531 525 527	y 523 521 531 516 518	y 517 512 515 507 513	Y 512 506 501 499 500	y 504 502 505 496 493	9 508 507 513 494 500	7 516 521 522 510 513	7 521 530 536 522 531	9 530 531 537 542 532	7 535 536 531 545 541	7 543 537 536 542 541	7 546 539 536 541 537	Y 545 541 545 544 537	7 545 543 548 542 540	7 544 544 549 550 551	7 544 543 537 547 535	7 543 541 540 534 531	7 540 541 541 531 531	Y 532 530 532 529 528
6 7 8 Q 9	527 541 554 542 531	530 541 531 541 530	528 537 526 532 521	530 541 532 531 525	530 538 531 531 528	531 536 528 531 532	528 531 532 531 524	517 522 524 522 522	510 513 509 521 508	495 502 498 518 503	487 494 491 517 499	499 491 495 521 518	510 501 513 522 511	524 516 521 527 522	527 518 529 531 534	517 526 536 541 531	528 518 536 546 545	531 531 537 551 558	536 545 538 554 547	538 545 540 547 524	536 542 540 533 531	541 541 538 522 545	539 542 540 522 541	533 545 540 532 528	524 527 527 <u>532</u> 527
11 D 12 D 13 Q 14 15	547 460 515 519 527	528 487 513 522 533	549 470 516 522 525	570 496 515 523 525	531 513 514 522 526	545 503 515 519 524	536 492 509 513 520	518 484 505 505 510	522 489 499 496 500	523 487 495 495 491	529 486 490 495 492	532 494 499 499 502	554 504 508 514 509	533 511 517 525 517	512 519 526 531 541	536 524 527 532 537	578 522 522 528 532	570 529 522 530 522	550 524 527 537 528	504 523 528 537 531	531 538 528 536 520	584 522 527 540 523	526 524 522 522 546	459 518 522 513 505	536 505 515 520 520
16 17 18 D 19 20	516 504 528 518 496	529 514 530 521 519	525 527 515 528 518	524 527 532 503 516	528 529 548 544 523	523 534 541 519 518	516 538 533 510 519	497 501 496 511 519	495 501 483 506 510	498 494 468 487 500	501 493 458 473 496	504 490 469 481 500	505 502 474 493 511	509 505 506 504 522	518 527 491 503 527	520 502 513 510 527	525 529 515 511 523	521 538 519 523 522	542 520 520 532 528	532 509 526 528 529	529 506 527 518 530	523 519 523 498 531	517 523 547 492 529	503 531 519 482 533	517 515 512 508 519
21 Q 22 Q 23 D 24 25 D	532 527 532 451 538	528 528 534 451 523	527 528 535 514 512	524 527 535 509 510	528 528 537 501 519	524 528 544 509 505	523 528 550 513 509	520 520 534 509 483	511 509 510 504 416	505 500 497 497 429	500 497 494 500 453	505 501 488 500 468	514 509 482 502 492	514 513 520 508 498	514 519 498 522 522	515 520 561 533 491	519 525 546 538 514	520 531 532 528 519	523 537 492 529 502	528 538 471 516 510	531 534 459 523 514	528 533 440 531 537	528 529 437 523 515	529 532 454 524 502	520 523 508 510 499
26 27 28 29 30	506 527 526 527 525	515 526 519 542 524	514 518 519 521 523	511 518 523 520 527	532 528 520 528 533	488 532 521 531 532	499 527 515 528 530	497 498 509 518 528	494 469 497 518 501	489 477 498 500 486	482 483 489 486 479	475 492 492 482 487	483 500 486 498 505	490 509 485 498 492	510 507 491 512 515	529 510 497 515 516	510 508 510 523 510	511 514 615 525 512	518 522 522 532 504	519 519 528 526 505	528 520 528 524 510	519 524 527 523 512	519 528 532 522 474	525 523 529 521 510	507 512 512 517 510
Mean	524	524	523	525	529	525	523	513	502	495	492	497	506	514	521	525	529	53 0	<u>531</u>	527	528	529	524	520	519

10/5/clean co./1/38/013.

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

302. ESKDALEMUIR (D)

13° +

SEPTEMBER, 1935

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Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 Q 3 4 5	52.8 45.8 45.4 45.7 45.0	44·1 45·6 45·8 45·9 45·4	42.2 45.5 45.6 45.5 44.3	51.9 45.5 46.0 45.2 46.5	41.4 45.0 44.2 44.9 39.6	40·5 44·3 42·9 44·2 40·3	39·7 43·4 42·9 43·0 49·7	40.0 43.4 42.4 42.1 40.5	41.4 43.7 42.6 42.3 41.4	44·1 45·4 44·3 44·5 43·6	47·5 47·4 47·5 48·5 47·6	50·4 49·4 51·3 51·7 50·0		52.6 52.7 55.7 53.8 53.2	51·3 52·7 55·3 53·4 52·2	49·8 51·3 52·5 52·2 50·5	49·0 49·5 49·7 49·2 49·4	48·4 48·4 47·8 49·2 48·3	47·9 47·6 47·0 47·4 47·6	47·4 47·3 47·2 42·6 48·4	47·3 46·4 47·3 44·6 45·7	46.5 46.3 45.6 46.3 42.9	46·4 46·3 46·4 39·4 42·5	46·3 45·5 46·4 43·5 43·3	46.7 47.1 47.3 46.6 45.9
6 7 8 Q 9	44.7 46.7 46.2 46.1 45.6	44.5 46.0 45.1 44.2 45.0	44·3 45·1 44·3 44·3 46·5	45.0 46.6 43.4 43.5 46.6	44.5 41.3 42.7 43.3 44.3	44.0 40.5 43.5 45.3 43.3	42·4 40·4 43·6 45·5 42·4	42·4 40·8 43·4 45·0 42·4	42.5 42.5 45.3 46.2 43.1	45·3 44·6 45·5 46·6 46·4	48-3 49-4 47-6 47-6 48-6	53·5 52·7 50·5 49·9 52·7	50.9	56·2 54·6 51·4 51·3 53·0	55·4 51·7 49·5 50·4 51·5	52.6 49.2 47.5 49.5 48.3	48-4 46-6 46-4 48-4 47-5		46·3 47·3 47·3 48·4 47·4	46.5 47.3 47.5 47.4 41.5	47·2 47·2 45·2	46 · 2 46 · 9 47 · 1 39 · 6 46 · 4	46 · 2 46 · 4 47 · 0 44 · 1 42 · 5	46 • 4 44 • 6	47·3 46·8 46·5 46·5 46·5
11 D 12 D 13 Q 14 15	40·3 52·5 44·4 44·8 47·3	38-2 43-7 43-7 45-0 44-6	39·4 34·6 44·1 45·5 44·5	39·2 32·3 43·3 44·5 44·7	38·5 51·6 42·5 44·4 44·7	42·3 53·9 43·3 43·5 44·6	42.7 38.4 43.0 43.3 43.5	47.0 37.4 42.5 42.5 43.7	46.2 39.7 43.0 43.5 45.7	45.6 42.2 44.1 45.5 47.7	49.0 46.4 45.7 48.3 51.4	52.2 49.0 48.3 49.5 54.8	49·5 50·5	61.6 50.0 51.4 54.0 54.5		55·3 47·7 50·0 50·2 50·6	52.2 45.8 46.4 47.5 49.3	44·7 46·0 47·3	36.0 45.4 46.3 47.3 49.3	41.7 45.4 46.4 47.3 47.3	41.3 42.3 46.3 45.5 45.3	43.6 44.0 45.5 40.9 43.8	34·3 44·5 45·3 41·4 40·6	44 • 4 45 • 4 43 • 3 37 • 3	45·4 44·8 45·8 46·3 47·3
16 17 18 D 19 20	44.7 45.5 47.5 40.1 39.8	44-9 43-8 40-8 40-6 42-3	45.5 35.8 42.5 36.7 41.5	47.5 39.5 42.5 45.9 43.6	42.4 42.0 45.0 45.3 42.5	42·1 48·3 44·4 46·7 42·5	51-6	43.6 48.6 49.0 51.4 42.4	47.5 50.5 51.6 47.5 42.5	48.6 51.3 51.4 49.5 44.6	52.5 51.8 52.7 50.5 45.9	53·6 54·6 54·8 52·3 48·5	55·1 55·4 55·0 51·4 50·4	56.0 55.2 55.6 51.8 50.7	54.0 56.4 51.4 49.7 49.7	51.6 52.6 49.8 48.4 47.7	50·7 47·8 48·5 47·5 46·4	49.5 46.6 47.4 46.9 46.2	47·4 45·0 46·8 46·0 46·7	46.0 42.3 46.6 42.4 47.1	42.4 42.8 46.0 45.8 46.6	44.8 42.3 42.7 39.2 46.7	39·5 44·9 40·0 36·7 46·5	36 · 6 44 · 6 40 · 5 34 · 7 46 · 6	47-0 47-2 47-5 45-8 45-4
21 Q 22 Q 23 D 24 25 D	45.6 44.7 46.4 29.5 44.7	44.8 45.7 46.3 38.3 40.5	45.0 45.3 44.8 41.8 35.3	44.5 45.4 42.3 47.2	44.5 44.3 45.7 49.3	44.5 44.4 42.8 43.3 45.3	44.5 43.5 42.0 41.3 45.7	43·6 43·4 42·0 40·6 49·7	42.7 43.4 43.7 39.7 46.8	43·4 44·4 45·0 41·4 57·3	45.7 47.4 47.6 44.9 54.2	48.0 49.5 52.7 48.2 57.3	50.5 51.2 55.0 50.3 59.0	50·5 51·3 57·4 50·7 53·8	49·8 50·5 52·5 53·3 52·5	49·1 49·1 53·4 53·3 46·3	47.6 47.5 47.3 51.4 44.4	47·4 46·4 48·5 51·9 43·3	47.0 46.5 46.6 51.3 43.3	46 · 4 46 · 4 41 · 4 49 · 4 44 · 8	46·3 45·4 39·9 47·1 44·7	45.8 44.6 37.2 47.3 42.2	45.6 45.6 33.6 46.0 41.4	39•3	46 • 2 48 • 3 45 • 4 45 • 6 47 • 0
26 27 28 29 30	47·3 44·4 42·4 44·0 45·4	44.7 44.7 42.5 42.7 45.4	44.4 44.4 43.5 39.5 45.5	52.7 47.2 43.3 41.5 46.6	46.6 47.3 43.6 43.1 47.5	49.2 46.3 42.5 43.2 49.7	48.5 46.7 44.6 43.3 48.4	40.0 48.0 44.3 44.3 49.4	40.0 47.5 46.6 44.4 49.4	42.6 52.4 48.5 45.5 49.3	45·3 52·5 47·7 48·4 53·4	48.5 52.4 50.3 49.5 55.3	50·5 51·3 54·4 52·2 57·3	52.7 50.6 52.6 52.0 56.3	49.7 49.5 52.7 50.4 57.4	48.8 48.6 51.3 47.7 54.5	46.5 45.9 49.5 47.6 46.3	46.7 45.7 46.8 46.4 49.0	44-6	45.3 42.5 45.5 44.7 39.6	43.2 44.0 45.4 43.7 41.2	44·1 44·1 45·3 39·0 37·2	45·3 42·4 44·4 40·4 34·2	45·3 43·2 43·0 45·3 45·3	46 • 4 46 • 9 46 • 5 <u>45 • 2</u> <u>47 • 7</u>
Mean	44-8	43-8	42-9	44-6	44-2	44-4	43-7	43-9	44-4	46 • 4	48-7	51.4	53-3	<u>53-5</u>	52.1	50-3	48• 0	47-6	46 - 2	45-4	45• 0	43-8	42-7	43.3	46 • 4

10 /8 /1936 093 /0 /8 B/440.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT
Mean values for periods of sixty minutes ending at the hours of Greenwich Mean Time 44,000 y (.44 C.G.S.unit) +

SEPTEMBER, 1935 303. ESKDALEMUIR (V) Hour 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 6-7 8-9 0-1 1-2 2-3 3-4 4-5 5-6 G. M. T Day 866 Q 86.5 12 13 14 Q D 23 24 Q 878 D 0 28 Mean

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

PCKDALEMITE

SEPTEMBER, 1935

304.			EMUIR						Cannast n	le? Mem	etic Elem	m+c	·			·			SEPTEMBER	<u> </u>
Day		Maxim 16,00		ntal For Mini 16,0		+	Range	Maxi:	Dec	clination	i Lmum	Range	Maxi:		Minis		Range	$\frac{\mathrm{HR_{H}} + \mathrm{VR_{v}}}{10,000\gamma^{2}} \S$	Magnetic Character of day (0-2)	Temperatur in Magnet House 200 +
1 2 Q 3 4 5	h 0 19 18 19 20	13 56 46 2 30	7 589 548 553 583 560	Y 503 498 495 486 490	h 11 11 9 11 10	m 58 50 49 30 30	Y 86 50 58 97 70	h m 0 7 14 0 13 41 12 46 13 28	58·9 53·5 56·8 54·6 54·3	38·3 42·5 41·5 36·2 39·0	h m 7 19 7 18 7 6 22 46 7 51	20·6 11·0 15·3 18·4 15·3	h m 18 0 5 20 17 5 19 52 17 42	9 866 869 871 882 879	Y 823 852 843 851 851	h m 0 30 12 0 12 30 11 12 4 5	Y 43 17 28 31 28	335 159 222 304 242	1 0 0 1	°A 86 • 8 86 • 8 86 • 8 86 • 8
6 7 8 Q 9	21 23 0 18 17	52 59 7 33 54	550 560 571 563 568	481 488 490 499 472	10 11 10 22 10	32 40 25 0	69 72 81 64 96	12 20 12 51 15 52 13 30 13 3	57.0 57.3 52.7 51.5 55.3	41-8 40-2 42-3 39-3 37-3	8 11 4 42 7 20 21 40 19 12	15·2 17·1 10·4 12·2 18·0	16 3 16 58 16 44 20 52 19 12	876 887 871 876 898	849 848 852 852 841	12 20 12 20 1 9 11 55 24 0	27 39 19 24 57	235 294 219 214 414	0 1 0 1 1	86 • 8 86 • 8 86 • 8 86 • 8 86 • 7
11 D 12:D 13 Q 14 15	20 20 21 20 22	58 12 47 56 32	675 551 531 568 574	431 422 486 492 487	23 0 10 9	12 30 39 56 10	244 129 45 76 87	13 37 5 17 14 37 13 13 12 49	66-3 59-3 51-6 54-4 57-6	23·1 28·4 41·8 39·3 33·6	20 52 3 23 4 4 21 22 23 12	43·2 30·9 9·8 15·1 24·0	18 8 17 0 16 57 16 5 15 56	956 879 878 875 914	731 862 853 838	23 50 3 6 12 48 12 41 22 49	146 <u>348</u> 16 22 76	1059 878 146 224 485	2 2 0 1 1	86 • 7 86 • 7 86 • 8 86 • 9
16 17 18 D 19 20	18 14 22 4 23	3 34 10 25 28	552 552 578 550 537	487 479 446 465 483	23 15 10 10 10	56 13 5 20 9	65 73 132 85 54	13 14 14 41 13 50 12 58 13 33	57-4 58-4 58-4 52-6 51-3	35-6 32-6 33-6 32-5 37-6	23 34 2 22 22 0 23 3 0 1	21.8 25.8 24.8 20.1 13.7	17 9 15 38 14 30 20 0 6 32	886 907 922 886 875	841 811 815 840 856	4 0 1 30 1 15 4 18 1 18	45 96 107 46 19	309 551 698 347 174	1 1 1 0	86 • 9 86 • 9 86 • 9 86 • 9
21 Q 22 Q 23 D 24 25 D	23 19 15 16 17	54 43 29 46 49	541 546 641 558 572	496 496 425 429 368	10 10 22 1 9	15 32 43 42 4	45 50 216 129 204	12 42 13 0 13 20 16 19 9 28	51.1 51.4 66.4 54.3 62.8	42-4 43-3 29-6 27-9 29-3	8 52 8 4 22 14 0 40 2 25	8·7 8·1 36·8 26·4 33·5	17 9 20 58 18 47 19 39 17 33	883 876 964 929 941	858 849 851 811 807	12 30 12 20 11 9 2 12 4 22	25 27 113 118 134	186 204 863 743 939	0 2 2 2	86 • 9 86 • 9 86 • 9 86 • 8 86 • 7
26 27 28 29 30	14 24 0 1 15	55 0 4 20 17	548 553 560 569 558	459 464 477 478 450	12 8 12 11 15	6 33 14 18 48	89 89 83 91 106	3 14 12 3 12 41 13 10 14 29	54-6 53-6 55-3 52-5 59-4	37-7 41-4 40-3 34-5 31-6	8 8 19 14 0 48 22 4 22 16	16·9 12·2 15·0 18·0 27·8	15 3 16 48 15 28 16 32 18 48	915 900 907 891 934	816 861 855 959 814	4 4 5 40 0 4 22 30 23 26	99 39 52 33 120	592 322 370 298 714	1 1 1 2	86 • 7 86 • 7 86 • 7 86 • 7 86 • 7
Mean	-	-	565	471			94		56-0	36-5		19-5		897	837		60	425	0-93	86 • 8
io. of Days Used			3 0	30			3 0		30	30		30		30	30		30	30	30	30

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

305. E	SKDALI	MUIR	(H)				Ī				16,0	90 Y	(•16	C.G.S	.unit) +			<u> </u>				oc	TOBER	, 1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day	Y	Y	7	Y	7	Y	Y	Y	7	7	7	Y	Y	Y	7	7	7	Y	7	Y	γ	7	7	7	y
1	525	531	526	523	525	504	515	496	500	502	504	499	499	504	515	522	530	536	538	546	543	525	528	533	520
2	528	527	524	523	527	527	528	520	513	501	492	494	504	518	523	526	531	539	543	529	540	537	555	524	524
3 Q	521	524	524	522	522	523	523	523	517	507	498	499	509	515	520	523	523	526	533	533	530	527	528	529	521
4	523	527	527	528	531	532	535	532	524	514	504	496	501	510	521	524	537	533	541	532	532	531	533	534	525
5 Q	531	536	528	530	528	528	527	522	514	504	495	495	500	509	522	528	531	535	535	535	533	532	531	530	523
6 Q	529	530	530	530	532	532	531	527	515	504	496	496	504	514	524	528	533	535	541	541	542	541	541	541	527
7	545	520	526	527	531	534	534	530	522	512	504	476	504	521	524	528	529	532	532	535	534	529	524	526	524
8	524	522	524	526	527	530	530	525	513	503	499	501	505	516	518	527	531	529	535	530	535	534	545	527	523
9 Q	519	526	525	523	523	526	524	521	511	503	498	487	503	508	523	522	531	526	530	530	531	529	529	530	520
10	528	524	526	531	526	522	526	525	514	506	500	500	508	505	509	513	503	503	526	518	526	540	523	522	518
11 D	525	522	521	524	526	529	531	531	526	517	508	512	523	522	513	512	509	509	532	498	503	504	508	512	517
12	529	531	515	518	521	522	522	520	513	508	501	502	504	512	519	526	526	531	531	531	531	531	533	534	521
13 Q	534	527	534	528	523	527	531	530	521	513	503	494	498	509	520	522	528	535	536	540	533	535	535	536	525
14	535	541	540	545	544	564	550	527	516	502	488	479	494	506	512	521	521	526	528	526	519	523	525	530	523
15	528	532	545	519	524	530	529	529	517	498	486	476	482	510	513	504	526	515	516	530	503	498	519	529	515
16	531	525	526	541	513	534	542	523	507	492	485	489	507	513	501	507	511	517	515	517	518	525	525	526	516
17	529	518	521	517	527	533	521	523	507	485	471	465	481	496	516	506	523	516	525	525	518	513	520	530	512
18	530	525	527	525	531	520	513	515	523	512	503	497	510	516	520	525	525	517	502	512	522	523	522	528	518
19	535	520	521	526	530	532	534	527	514	502	492	482	488	501	511	519	521	523	522	524	524	521	528	539	518
20 D	524	515	520	524	525	532	534	525	520	520	502	485	497	506	505	494	481	488	482	492	473	464	511	511	505
21 D	512	511	506	506	510	516	498	515	482	474	470	475	475	501	507	508	501	507	506	490	502	504	532	471	499
22	507	518	503	507	510	519	520	512	503	491	482	482	473	487	511	502	508	511	512	519	542	524	520	520	507
23	520	518	518	519	520	523	520	516	508	497	489	492	498	505	514	518	522	523	528	525	528	530	528	529	516
24 D	534	527	521	523	528	528	525	493	475	477	469	460	449	473	522	518	473	492	496	496	504	503	504	500	500
25	499	499	504	505	509	504	504	501	495	482	472	476	482	492	503	516	519	526	527	524	499	494	494	511	502
26	504	508	510	510	515	515	515	511	503	492	484	482	486	495	499	509	519	524	522	523	522	522	522	517	509
27 D	517	518	519	522	532	528	533	522	533	522	498	504	490	487	495	504	508	517	518	500	477	472	508	491	509
28	496	534	516	505	508	504	503	494	499	488	478	477	484	498	509	513	515	481	485	505	512	518	516	512	502
29	512	508	509	517	516	517	519	517	511	485	486	495	492	492	494	502	502	503	507	503	517	518	517	517	507
30	517	514	513	522	530	518	517	498	497	487	490	494	492	484	508	490	489	491	507	505	517	517	513	516	505
31 Mean	523	523 522	521 522	523 522	521 524	524 <u>525</u>	522 524	494 518	491 51 0	490 5 00	494	498 489	485	503 504	495 512	513 515	526 517	524	527 *522	535 521	531 521	527 519	529 524	522 522	514 515

10/0/8/1935/101/18/613

MAGNETIC DECLINATION (WEST)

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

130 + OCTOBER, 1935 306. ESKDALEMUIR (D) 4-5 5-6 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 Hour 2-3 6-7 0-1 1-2 G. M. T Day 46 • 6 43-3 43.0 43-4 43-5 43-6 45-3 47-6 43.9 45-6 Q 43-5 44·4 43·3 44.5 44-6 44-4 44.5 44-4 44-4 43.5 42.9 43·7 41·8 45.6 48·4 46·5 50.8 51-4 49.8 48-3 46.5 46 - 5 46 - 7 46 - 4 46 - 4 45.9 45-6 45-4 46.0 47-9 45.9 45-8 42.8 49-4 50-8 50.4 49.5 48-4 43-4 45-2 45-6 45-5 43-4 44-5 6 53·5 47·6 44·3 44·4 42·4 42·5 51·6 51·3 49·1 46·7 46·0 45·1 45·3 42·7 38-4 39.5 44-1 44-0 42.7 43-8 41.4 41.9 50.9 52.5 47-6 45-7 37-4 45-3 44·5 46·4 43-7 44-4 44-2 43-4 49.5 50.7 48-4 46-0 44.8 45-1 8 45-5 41.5 42-6 45.5 41.8 46 - 1 40.7 10 43-9 43.5 43-1 41.8 41.7 42.5 42-5 41-6 41.5 41.7 43-6 50-4 50.8 50.6 40.1 47-4 43-5 41-6 43-5 39-7 44.5 43-9 43-4 43-6 43-6 43-5 42-4 43-7 43·6 43·7 38-7 43-5 42·7 41·6 44.8 47.5 46.8 48·8 47·8 46 • 6 46 • 8 45·7 46·3 12 40-6 42.4 43.5 42.6 42-4 49-3 49.7 50-1 46.9 46 - 3 45.4 45.3 45-2 45-2 45-0 41.1 48-7 49-8 46.7 46.6 45-4 45-1 44.6 44.0 49-3 14 15 45-1 45-0 45.6 47-5 44-6 42.1 42-6 48.5 50-8 51.5 50.7 49•6 47.6 47-5 40-5 45-7 41-2 46 - 6 44.5 49-1 40.7 44.8 44.1 42-0 40-8 42.4 46 - 5 49-4 51.4 52.3 54-5 48.1 49.5 48-3 41.7 34.3 35.1 38-1 43-3 44.7 45-8 46 - 4 49-5 47-7 44·5 42·4 48-3 50-8 45·4 48·1 41.3 43·3 41·9 45-8 45.6 45.5 46 - 5 43-4 50.6 51.4 46 - 7 42-6 45·3 42·7 44·2 51·6 43-4 45.4 52.5 47-7 39-8 42-6 17 44.5 44-5 45-4 52.7 54 • 4 49.3 43.6 40-4 42-4 42.6 43.3 46 - 6 45-6 48-5 50-8 43-7 42-7 46·4 44·1 45-8 49-4 50-4 50-4 49-5 47-6 42-5 44.6 46 • 6 42.8 43-9 19 43.5 44-4 43-4 43.1 41-5 41.7 45.6 48-6 51.6 50.4 48.5 38.6 42-0 42.6 43-5 42-6 44 - 8 20 41.1 59.1 51.6 41-7 45-3 43.7 45-4 47-9 37-5 21 D 44.6 44.5 44-8 46 - 5 44-8 44·4 43·7 48-5 49.6 48-7 52.7 50.9 49.3 36 - 7 32-5 29-3 37-7 39 - 4 35-3 39 - 5 43·4 45·6 49·7 44·5 44·6 45·7 45-3 40-4 58-0 42-8 43-7 48-6 47-5 45-8 43·7 46·6 44·3 45·4 44·5 47·9 45-5 43-1 47.7 50-6 52.3 43-6 43-7 50.5 43-4 44.5 23 24 43.7 48.5 50·6 52·9 48·3 56·5 44.5 40-6 41.5 50-1 49.5 45-4 43.5 44-5 45-4 45.6 45-9 43-9 D 52-8 49-9 47-4 44.5 45-4 53-5 49-3 46 . 8 49.5 50-7 58-4 43-6 43-4 48-4 43-4 25 42.4 42.5 43.7 43-1 40-1 40-6 42-8 41.6 47-6 47-7 46 • 4 45-5 43-9 42-6 44-3 41.5 43-3 48-5 42·3 41·8 48·3 47·6 57·7 51·0 50·6 45·5 44·1 39·6 45-0 36-5 42·3 36·7 43-8 40-1 41.8 40.5 56 · 5 52 · 0 55·7 49·3 45·5 43·6 40·4 42·6 38-5 43-6 35-9 45·5 43·7 27 D 42-6 40-4 52.7 57-8 52-7 32-5 41.4 46-0 28 40-8 41·4 43·5 51-6 41-0 39.5 44-5 49-1 51.1 45-3 46-7 42-6 48-7 50-5 51.6 51.6 30 44.0 44-6 45-6 44-5 41.9 43.7 50.5 47-7 45-7 52.9 47-2 43-1 44.9 43-4 43-9 43-7 43-4 31 45-1 45-6 46 - 5 44-6 45-3 50.6 52.5 52-7 52.5 52-6 48-7 46-8 45-5 45-2 43-8 43-4 38-9 40-48-1 52-3 50-5 51.5 54.3 53-6 50.5 43.5 44-0 44-0 44.1 44-5 44.5 45-4

Q denotes an "International Quiet Day", while D denotes a disturbed day, used for the computation of Tables 323-334.

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44,000 Y (*44 C.G.S.unit) + OCTOBER, 1935 307. ESKDALEMUIR (V)

507.	JULUAL	TOWN I.E.	(()								,	. , -	1 0.0												-222
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7`	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 Q 4 5 Q	Y 862 881 867 879 876	9 870 881 870 877 875	Y 873 880 874 876 873	Y 876 879 874 876 872	Y 874 878 874 875 873	Y 874 878 874 875 875	Y 867 878 874 875 876	Y 868 879 874 876 877	Y 865 879 875 879	9 868 879 874 879 876	970 877 867 867 875 869	968 859 871 866	Υ 870 863 860 864 863	γ 870 863 866 864 861	9 872 867 872 867 865	9 875 871 876 872 872	979 879 876 877 877 876	Y 878 875 877 879 876	Y 878 877 876 878 876	9 876 880 876 880 876	878 877 877 883 876	90 875 878 880 876	9 886 868 878 877 876	9 881 860 878 876 876	Y 874 875 873 875 873
6 Q 7 8 9 Q 10	876 870 877 870 875	875 873 878 868 874	874 873 877 867 871	874 873 877 870 863	874 873 875 873 861	875 873 874 873 867	876 874 874 873 870	877 877 875 877 872	877 876 874 877 874	876 870 873 875 874	871 868 870 869 873	865 868 866 869 868	865 868 866 870 867	865 869 869 871 868	865 872 873 870 878	872 876 877 872 889	873 877 878 876 903	872 877 877 877 909	872 877 878 876 893	873 878 877 876 887	873 880 874 876 882	874 885 877 878 879	874 878 872 878 878	8 75 877 869 8 76 8 7 9	873 874 874 873 877
11 D 12 13 Q 1 15	879 865 877 876 875	879 852 879 874 867	879 867 873 874 840	877 872 872 872 872 854	875 875 874 865 860	875 875 875 852 859	872 875 874 857 867	872 872 876 865 876	872 868 876 870 881	869 868 876 874 880	866 865 873 873 873	861 864 870 869 874	860 865 872 865 874	867 870 872 866 874	879 874 876 873 886	913 878 880 878 898	907 779 879 884 892	918 876 875 880 895	907 875 873 880 898	899 875 873 881 893	902 875 875 885 882	902 876 875 874 878	892 876 876 874 875	887 876 876 874 874	884 871 875 872 876
16 17 18 19 20 D	872 875 858 869 863	873 875 838 872 865	876 876 831 875 870	869 876 857 875 873	866 875 864 876 874	851 875 865 876 876	856 876 867 876 876	860 876 868 879 880	864 879 867 880 880	872 876 865 876 872	871 875 864 876 869	868 875 868 876 873	869 875 872 876 896	874 877 875 879 914	893 884 879 880 932	905 901 883 883 959	901 905 886 882 953	897 898 890 881 948	894 894 899 883 941	887 890 898 885 924	883 887 887 880 882	882 884 884 879 871	878 862 883 867 872	879 857 879 863 866	877 880 872 877 893
21 D 22 23 24 D 25	871 870 880 874 894	874 878 879 874 893	881 866 874 875 886	884 849 869 878 886	885 860 874 878 887	881 862 878 880 887	877 876 883 880 890	881 880 889 876 890	885 885 893 878 890	889 883 893 879 890	888 889 885 881 887	897 893 881 890 883	908 897 878 925 886	907 897 881 924 887	903 897 886 946 891	902 907 886 997 890	919 910 886 952 886	919 903 884 919 886	918 900 883 913 886	909 896 885 912 893	899 883 885 901 918	879 877 882 897 908	847 878 882 895 868	847 880 881 894 865	890 884 882 <u>901</u> 889
26 27 D 28 29 30	871 888 883 893 889	879 887 873 892 885	882 882 876 887 876	882 878 874 882 868	884 877 877 884 869	886 880 881 885 872	886 878 888 885 864	886 877 889 886 869	887 870 889 889 876	886 869 889 890 881	882 869 889 887 886	883 869 891 889 890	887 875 889 894 898	889 889 889 898 910	891 903 892 904 920	892 919 897 914 936	891 938 902 915 943	888 945 923 908 934 896	888 936 930 904 913	888 973 912 905 907	888 966 904 899 899	889 935 901 896 895	889 900 892 894 892 887	888 887 894 893 891	886 900 893 895 894
Mean	876	875	873	873	874	874	874	877	878	877	875	875	878	881	887	896	897	895	893	892	889	885	879	877	881

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

-								Ter	restrial	. Magneti	c Element	8		·]	Magnetic Character	Temperatur
Day			Hori	zontal F	orce				De	clinatio	n			Verti	cal Ford	e		$HR_{H} + VR_{v_{e}}$	of day	House
-u,			Lmum 000 γ +		imum DOO Y	+	Range	Maxi 13°			imum +	Range	Maxi 44,0	00 λ + 1 num	Mini 44,0	.mum)00 γ +	Range	10,000ys	(0-2)	200 +
1 2 3 4 5 Q	h 20 22 19 18 17	# 47 32 8 40 41	9 563 578 536 542 537	Υ 482 490 495 491 488	7 10 10 11	m 26 56 34 20 39	Y 81 88 41 51 49	h m 8 31 13 29 13 0 13 16 14 9	52.5 51.4 51.8 52.4 51.6	42-0 35-5 39-2 40-4 41-2	h m 0 3 23 30 0 1 20 0 8 39	10.5 15.9 12.6 12.0 10.4	h m 21 39 19 18 22 0 19 52 8 12	93 882 879 884 877	Y 847 856 857 864 861	h m 0 1 23 27 12 8 13 16 13 30 12 8	Y 46 26 22 20 16	336 262 249 169 153	1 1 0 0 0	% 86 • 7 86 • 7 86 • 6 86 • 6 86 • 6
6 Q 7 8 9 Q 10	23 0 22 21 21	40 26 11 5 50	548 573 558 535 572	495 455 495 479 490	11 11 11	26 10 14 21	118 63 56 82	14 10 11 49 13 12 14 4 13 32	54.6 53.5 50.6 53.1	41.4 33.6 39.5 40.8 31.5	9 18 0 54 22 40 8 53 17 58	9.3 21.0 14.0 9.8 21.6	7 54 21 8 18 4 21 50 17 50	879 889 881 878 910	864 866 865 865 858	12 8 11 50 12 16 2 4 3 48	15 23 16 13 52	154 296 176 150 364	1 1 0 1	86 • 6 86 • 6 86 • 5 86 • 5
11 D 12 13 Q 14 15	18 1 19 5 1	30 14 4 42 52	577 550 545 576 562	476 498 485 475 470	11 12 11	15 10 10 6 16	101 52 60 101 92	16 19 14 55 12 59 13 56 13 58	55-5 50-6 50-4 53-3 57-4	28-4 37-4 40-1 37-8 30-5	18 24 1 25 9 15 21 28 19 30	27·1 13·2 10·3 15·5 26·9	17 30 16 17 1 46 20 40 15 40	924 879 879 888 901	859 849 869 850 839	12 24 1 30 11 44 5 33 2 18	65 30 10 38 62	459 221 148 331 430	1 1 0 1 1	86 • 5 86 • 5 86 • 4 86 • 4 86 • 3
16 17 18 19 20 D	17 18 1 22 14	50 52 42 58 18	551 550 546 566 547	475 455 493 474 443	11	0 58 14 23 0	76 95 53 92 104	5 4 13 8 1 38 12 44 14 32	55.7 55.5 57.4 53.5 65.4	34·3 37·6 41·4 33·4 23·5	18 34 20 58 3 54 19 33 20 22	21-4 17-9 16-0 20-1 41-9	15 10 16 55 18 58 19 32 15 14	905 906 903 887 968	848 856 815 861 861	5 20 23 24 1 52 23 50 0 1	57 50 88 26 107	381 382 482 269 648	1 1 1 2	86 · 3 86 · 3 86 · 3 86 · 2 86 · 1
21 D 22 23 24 D 25	22 20 21 14 23	42 32 10 48 32	574 572 537 590 544	431 463 486 <u>405</u> 467	12 10 11	18 41 31 43 10	143 109 51 185 77	13 12 12 53 13 32 15 32 19 22	54-5 53-5 50-9 66-3 50-2	14-4 36-4 40-0 42-9 24-2	18 12 20 30 8 52 23 24 23 32	40-1 17-1 10-9 23-4 26-0	17 56 16 42 8 51 15 4 20 55	930 912 895 1019 920	828 843 867 873 849	22 59 3 12 3 12 1 50 22 58	102 69 28 146 71	710 490 210 958 446	2 1 1 2	86 • 2 86 • 0 86 • 0 86 • 0 86 • 0
26 27 D 28 29 30	22 22 1 15 4	36 6 44 55 25	527 563 546 525 535	480 455 458 478 476	20 10 9 13	58 23 58 56 38	47 108 88 47 59	13. 8 18 42 13 33 13 51 15 2	48-8 60-6 53-1 52-6 55-7	31.4 26.7 33.5 39.3 41.5	0 1 22 40 1 40 15 47 4 46	17-4 33-9 19-6 13-3 14-2	15 20 19 35 18 23 16 12 16 28	893 983 934 920 945	867 867 870 881 862	0 1 9 18 1 18 3 40 6 48	26 116 64 39 83	186 699 428 253 470	0 2 1 1	86 • 0 86 • 0 86 • 0 86 • 0 85 • 9
31 Mean	19	20	565 555	453 473	12	18	112 82	12 6	58·4 54·2	38 • 3	22 30	20.1	14 49	931 909	868 857	6 30	63 51	468 367	0.90	85-9 86-3
o.of ys Used			31	31			31		31	31		31		31	31		31	31	31	31

[§] For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323 - 334.

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

309. ESKDALEMUIR (H)

16,000 γ (·16 C.G.S.unit) +

NOVEMBER, 1935

C SW T. O-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-33 13-14 14-15 15-16 16-17 17-18 8-19 19-20 20-21 21-22 22-23 23-24 Mean Day 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	309 · E	SKDAL.	DMOTU	(H)								,	·	10 0						Щ.						, -,,,,
Sis Sis		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7- 8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
\$\frac{5}{2}\$ \$\	1 2 3 4 Q	515 520 524 519	513 525 519	514 510 523 519	514 510 506 519	521 509 519	528 515 520	529 529 513 525	527 517 523	527 519 512 523	505 501 507	510 496 501	510 493 493 497	511 501 500 498	504 506 504	516 514 513	510 514 518	528 502 523	530 519 524 526	511 524 528	528 514 528 528	501 537 528	527 537 524 528	516 529 528	527 506 536 526	515 515 518
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22 522 521 522 523 522 522 522 522 522 522 522 522	17 Q 18 19	512 524 519	509 524 515	509 524 519	510 525 521	513 524 520	515 520 528	520 523 533	521 522 521	524 519 507	517 512 509	507 506 494	506 506 482	509 508 489	510 515 493	515 519 502	519 523 505	523 515 518	527 520 514	517 530 523	518 529 523	528 530 522	529 537 522	527 524 518	527 532 523	517 521 513 515
27 D 521 522 522 522 522 526 527 527 533 527 525 523 522 528 529 539 542 544 540 540 534 526 528 527 527 531 532 531 532 531 538 532 538 533 527 522 516 517 517 510 507 512 508 507 515 513 521 521 522 522 518 529 539 542 544 540 540 534 526 526 528 529 530 527 527 531 536 536 536 536 536 536 536 538 531 520 520 521 526 528 507 539 542 542 527 511 494 501 515 516 516 519 521 516 529 511 506 506 506 525 512 518	22 23 24	522 526 528	521 522 527	522 521 527	523 522 527	522 5 2 6 527	522 526 527	520 518 528	520 522 531	516 522 529	513 513 524	508 508 522	501 504 526	509 507 524	516 511 526	513 513 527	508 512 530	519 518 531	513 520 533	521 522 531	517 523 523	519 524 526	520 526 528	522 526 527	532 527 527	517 519 527
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	Mean	519	519	519	519	521	524	<u>525</u>	524	520	511	504	502	504	510	514	515	517	519	522	519	520	522	523	522	517

10/0/10/10/11/0/68/813.

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

310. ESKDALEMUIR (D)

13° +

NOVEMBER, 1935

310. E	SKDAL	EMUIR	(D)									1	3° +										NO	/EMBER	, 1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 2 3 4 Q 5 D	43-6 42-5 46-5 42-5 42-5 43-2	, 44·4 42·7 42·2 43·8 44·6	, 44·2 43·4 41·3 44·4 44·7	, 43·5 44·5 42·2 44·2 44·4	44·4 44·5 42·3 43·5 43·3	, 45·1 44·4 40·7 43·3 43·0	, 44.6 41.8 43.2 42.5 42.5	44.5 42.4 42.0 42.2 42.5	44.7 42.4 40.7 41.6 42.3	42.8 41.4 42.2	43·5 43·5	47·2 46·6 46·3	49·8 48·0 48·3	48-6 48-8	49.7 48.4 48.3 48.3 49.0	47·5 47·5 46·6	44·4 46·3	46.6 48.6 43.3 45.4 43.5	47-0 45-3	38·4 45·4 45·2	44.8 39.3 43.4 44.4 40.4	42·3 43·7	43.5	37·3 40·4	45-6 43-9 43-8 44-5 43-0
6 7 8 9 10 Q	37·3 43·6 44·6 45·0 43·9	42·3 43·6 46·3 45·3 44·1	45-4 44-4 46-2 45-0 43-6	52·9 44·4 44·2 44·5 43 7	46 · 3 43 · 6 43 · 5 44 · 3 43 · 4	42·4 43·3 43·2 43·5 43·3	43-7 42-5 42-4 43-3 42-6	46 · 5 42 · 3 42 · 2 42 · 6 42 · 5	41·4 42·3	42·7 42·1 43·3	46·5 43·5 45·2	47-6 46-5 47-4	48·4 48·5 48·2	48·3 48·4 48·5	47·2 47·6 47·5	45·6 45·4 46·5 45·8	44-6 44-6 45-5 45-6	44·7 44·4 46·7 45·2 45·6	43.6 45.2 44.4 45.3	41.8 44.7 44.6 45.1	41·5 41·3 44·4	41.7 43.9 43.8	42-3 44-3 40-7 43-4	42-3 44-6 42-4 43-7	45-2 44-1 44-6 44-7 44-5
11 12 D 13 D 14 D 15	44.2 40.6 25.5 .40.4 43.2	44.2 44.2 39.3 45.3 42.1	44.2 43.4 43.4 44.6 42.2	44.0 42.4 43.2 46.4 43.9	43.5 49.9 44.3 45.1 43.3	44·6 46·4 45·6 42·9	42.5 46.1 47.8 42.1	43.2 45.2 44.3 47.6 42.2	45.5 41.7 45.5 42.0	43·5 42·6 44·5 42·2	46 · 2 43 · 2 43 · 4 43 · 3	49·5 44·4 45·9 45·2	49·4 47·3 46·6 46·9	49·9 47·3 46·4 47·4	52·2 47·1 46·2 47·4	47.6 43.1 46.8 48.9	47-3 42-5 43-2 45-9	46-4 47-9 40-4 41-4 44-9	44.7 43.1 45.7 44.2	44.3 44.6 38.2 44.0	42·4 42·5 46·8 43·5	40-7 3843 40-3 43-4	39·5 33·2 40·4 43·3	26 · 7 37 · 4 40 · 5 43 · 4	44-2 44-6 42-1 43-9 44-0
16 17 Q 18 19 20	43.6 40.3 43.9 41.4 44.3	43.6 41.5 44.0 42.3 44.3	43-8 43-2 44-3 42-4 43-5	43·9 44·6 43·4	44.2 42.5 44.0 44.3 44.3	42-8	42·7 43·5 43·9	42·7 45·1 43·5	43.3 42.6 44.9 44.2	43·3 45·3 45·3	43·5 44·4 46·3 46·5	45·0 45·7 49·1 48·3	46.2 47.9 49.6 47.1	46·3 47·9 49·5 46·7	47-3 48-4 47-8	45-6 47-4 47-0 48-9	44·6 47·4 45·2 42·3	46.2 44.3 41.5 44.5 42.3	43·3 45·2 43·6 44·6	44.5 45.1 44.2 43.1	43·1 44·3 44·3 43·4 42·3	44·1 44·3 36·1 37·5	43·4 41·7 39·7 40·4	44.2 32.1 42.3 43.4	44-6 43-8 44-0 44-4 44-2
21 22 23 24 25 Q	44.0 43.2 41.8 43.4 42.7	44·4 43·2 43·4 43·5 43·2	44·3 43·2 44·1 43·4 42·6	43·3 44·1 43·2 43·3	44·2 43·3 43·4 43·5 43·2			42·4 43·2 43·3 42·3 43·2	42.5 42.5 43.1	48.3 43.3 43.1	44·9 44·2 44·3	46 · 2 46 · 2 46 · 2	47·1 48·3 47·6	47·2 48·6 47·0 46·4	46-4 47-4 46-1 46-3		45-3 43-9 45-3 45-5	42.2 43.1 44.3 45.3 45.3	41·3 44·2 46·2 44·3	43·5 43·3 45·6 44·2	43·3 43·3 44·3 43·3	43·2 43·3 43·4 43·1	42·4 43·3 43·2 42·2	41.5 43.4 43.4 41.6	44-2 43-9 44-3 44-4 43-9
26 Q 27 D 28 29 30	42·3 42·4 42·2 43·4 44·3	43·1 42·4 42·4 43·5 43·8	41.5 43.2 43.2 44.5 43.2	44-5	42·3 43·5 43·5 44·5 42·5	42.5 43.4 43.2 44.4 41.8	43·2 43·5 43·9	42.9 42.4 43.8 44.2 43.3	42.5 43.6 43.9	42·4 43·3 44·3	43·5 43·3 45·4	45·7 44·2 46·1	47·2 45·8 46·4	46.6 46.0 48.1	48·2 46·5 47·7	48-4 46-5 46-3	48-2 46-3 45-4	44.2 46.4 47.0 45.3 43.1	47-9 44-1 45-0	34·3 44·2 45·4	42·2 42·4	43.6 41.3 33.2	43·2 42·3 43·2	41.7 43.2 42.4 44.3 42.6	43-6 44-1 43-9 44-4 43-9
Mean	42.3	43-4	43-7	44-1	43-9	43.5	43-4	43-4	43-0	43-3	44-5	46 - 5	47-8	48-1	47.5	46 • 6	45-1	44.7	44-2	43-6	42.8	41.5	41-4	41.4	44-1

10 |0 |B|1935 |113 |0 |BB |440

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

NOVEMBER, 1935 44,000 y (.44 C.G.S.unit) 311. ESKDALEMUIR (V) 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 Mean 7-8 8-9 9-10 10-11 5-6 6-7 1-2 2-3 3-4 4-5 G. M. T. Day γ 884 884 ลลัด 889 889 882 887 879 Q **5** 883 RAR RRR Q 12 891 D 14 15 D D Q 25 Q 893 29 Mean

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

NOVEMBER, 1935

									Te	rrestri	l Magne	tic Elem	ents		. ,				Magnetic	Temperatur
Day			Horiz	ontal Fo	rce					Dec	clinatio	n			Ver	tical Force		HR _H +VR _{ve}	Character of Day	in Magnet House
		Max1 16,0	mεm 00 γ +	Mini 16,0	Lamuan 2000 y		Range		Maxis 13º		Min 13º	imum +	Range	Maxi: 44,00	00 γ + mm	Minimum 44,000 γ +	Range	10,000γ² ⁸	(0-2)	200 +
1 2 3 4 Q 5 D	h 8 21 20 22 22	0 23 3 12 51	7 538 575 551 532 581	Y 501 479 474 493 444	h 12 20 16 11 18	18 26 36 24 21	Y 37 96 77 39 137	h 12 12 0 12 13	m 55 39 30 41 31	51.5 53.2 54.4 50.9 53.5	41.5 31.6 37.4 40.4 24.5	h m 0 1 21 20 22 38 0 1 18 36	10.0 21.6 17.0 10.5 29.0	h m 15 25 18 30 16 48 16 0 17 55	Y 891 906 903 867 923	Y h m 872 9 10 870 21 52 847 1 1 877 0 6 846 23 47	Y 19 36 56 10 77	146 320 378 109 572	0 1 0	% 85-9 85-9 85-7 85-7
6 7 8 9 10 Q	5 18 20 20 17	52 28 45 20 38	536 537 539 541 538	473 489 486 490 504	10 12 10 10	13 13 44 35 18	63 48 53 51 34	3 11 13 11 13	20 58 2 33 20	54·8 49·5 50·5 50·2 47·5	34·5 39·2 39·3 40·2 42·2	0 3 20 0 20 32 23 0 6 24	20·3 10·3 11·2 10·0 <u>5·3</u>	15 28 20 20 16 22 23 18 0 30	891 896 902 895 894	840 3 55 881 10 38 877 2 33 882 9 55 877 10 24	51 15 25 13 17	333 146 199 138 132	1 0 0 0	85•6 85•6 85•6 85•6 85•5
11 12 D 13 D 14 D 15	16 5 21 18 1	20 13 58 17 48	535 557 <u>584</u> 558 525	498 447 450 463 486	12 12 0 19 11	23 17 26 31 32	37 110 134 95 39	12 14 14 18 13	54 57 20 54 12	50·3 56·5 50·2 54·2 48·2	33·2 18·4 21·5 30·4 41·0	23 24 23 50 0 1 19 38 2 8	17·1 38·1 28·7 23·8 7·2	21 3 16 48 16 31 16 38 9 43	900 <u>965</u> 931 926 896	872 24 0 853 5 19 869 2 8 876 0 20 883 2 0	28 112 62 50 13	191 685 499 382 118	1 1 1 0	85.5 85.5 85.5 85.4 85.4
16 17 Q 18 19 20	22 21 23 6 21	32 47 24 30 24	530 532 551 539 546	496 502 502 478 477	10 11 11 11 16	39 33 0 10 44	34 30 49 61 69	13 12 14 11 14	27 6 27 46 58	49.2 47.4 49.3 50.4 50.5	39.0 39.5 28.0 32.2 31.7	23 0 0 34 23 23 21 46 16 56	10.2 7.9 21.3 18.2 18.8	20 22 0 1 17 45 16 0 16 52	910 900 903 903 915	889 12 33 887 10 58 886 12 30 877 3 32 885 6 15	21 13 17 26 30	146 108 153 218 249	0 0 1 1	85-4 85-3 85-3 85-2 85-2
21 22 23 24 25 Q	6 23 0 17 0	27 45 1 54 6	538 552 534 540 538	492 499 500 518 516	11 11 10 9 23	50 40 52 28 59	46 53 34 22 20	13 13 13 12 12	53 5 18 37 39	48·3 47·4 49·2 49·2 48·2	40.2 39.1 40.2 41.3 41.2	17 10 23 34 0 10 7 25 23 8	8·1 8·3 9·0 7·9 7·0	15 0 15 20 16 10 20 10 23 30	904 902 898 895 894	878 6 28 882 24 0 881 0 10 886 7 44 885 8 19	26 20 17 9 9	191 177 132 76 67	0 0 0 0	85-2 85-1 85-1 84-9 84-9
26 Q 27 D 28 29 30	20 15 7 21 6	34 8 58 36 24	537 542 529 549 566	507 448 497 494 471	10 19 18 20 11	53 28 6 54 7	30 94 32 55 95	13 18 17 14 12	39 14 20 20 18	47·2 53·2 47·9 48·4 50·6	41.2 30.2 41.2 28.3 31.0	2 40 19 42 21 38 21 28 21 30	6.0 23.0 6.7 20.1 19.6	21 40 19 32 18 16 20 58 20 39	897 971 907 915 913	885 11 30 883 9 5 880 12 20 881 9 10 874 6 27	12 88 27 34 39	99 550 170 244 330	0 1 0 1	84-9 84-9 84-9 85-0 84-9
Mean			545	486			59			50-4	35-3		15-0		908	875	32	242	0-47	85•3
o. of ys Used			30	30			30			30	30		30		30	30	30	30	30	30

313. E	SKDALI	emuir	(H)							16,0)00 Y	(.10	C.G.	s.uni	t) +								DECE	TREK,	1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 3 4 Q 5 Q	7 514 525 509 513 519	Y 514 507 500 509 518	γ 511 496 509 518 519	y 511 523 509 513 520	Y 503 522 505 513 520	γ 516 525 510 514 519	Y 514 523 512 515 520	Y 511 516 512 513 518	γ 511 507 509 510 514	7 506 492 504 509 514	7 502 499 500 509 514	γ 509 498 500 509 518	Y 509 467 506 513 524	7 508 508 505 519 526	7 508 515 513 520 525	7 520 519 486 522 525	501 517 487 519 529	Y 519 518 497 523 527	Y 518 522 519 524 528	7 524 522 509 527 531	7 517 523 524 526 526	7 534 521 515 524 514	7 524 507 521 523 523	503 504 518 520 526	7 513 511 507 517 522
6 Q 7 8 9 10	523 520 523 521 510	522 520 523 521 517	521 518 523 522 526	522 523 521 522 526	522 525 522 527 531	523 526 526 532 536	522 526 533 531 535	521 522 530 531 534	515 522 526 529 530	513 518 522 525 525	511 515 521 512 515	508 499 518 505 506	510 499 520 508 507	519 504 526 514 516	519 517 529 519 522	519 518 530 522 526	525 524 531 527 525	526 526 518 528 512	526 523 526 525 525	524 523 527 516 523	525 526 541 517 522	526 528 525 509 516	523 524 523 517 522	520 517 526 522 524	520 519 525 521 522
11 12 13 14 D	526 517 518 520 505	525 524 521 519 497	521 521 525 518 496	525 525 529 519 526	529 526 538 521 508	532 526 535 521 510	534 527 526 521 515	534 526 518 521 514	522 527 518 522 487	513 525 512 519 473	507 520 506 497 474	498 516 504 487 475	511 517 491 501 478	512 522 500 499 483	516 521 512 499 487	517 509 515 507 501	521 494 512 488 505	526 516 519 504 495	529 521 521 488 501	529 506 523 492 520	528 521 524 507 518	508 520 521 500 519	514 511 520 506 517	520 517 519 516 515	521 519 518 508 <u>501</u>
16 17 18 19 20	525 511 517 518 535	524 513 514 511 520	513 514 518 513 520	529 515 522 517 521	519 515 524 521 523	532 520 531 522 528	520 522 531 520 526	505 521 528 517 522	519 514 514 512 519	502 499 508 511 516	473 499 508 504 516	487 496 507 503 513	497 494 506 502 513	500 512 502 516 512	487 513 512 515 514	490 514 512 512 503	510 514 515 517 511	506 509 518 518 512	510 522 512 513 516	510 524 518 518 515	509 522 518 512 527	543 521 513 520 516	514 524 520 516 526	511 527 528 518 522	510 514 516 514 519
21 22 Q 23 Q 24 25	521 526 521 524 501	521 526 522 524 509	520 524 524 527 516	521 525 525 528 517	524 525 525 529 522	524 526 527 532 527	524 526 526 532 532	525 525 527 528 537	517 524 525 530 532	511 516 524 528 531	520 516 .522 528 521	516 517 515 523 520	515 519 511 525 525	513 520 511 526 518	512 522 512 522 512	519 520 519 523 521	522 522 525 524 531	527 527 528 528 527	528 527 530 530 514	524 529 530 533 500	516 526 529 537 496	515 523 525 542 491	516 521 523 526 496	521 522 524 508 501	520 523 523 527 517
26 D 27 D 26 D 29 30	496 472 485 501 512	496 488 523 506 515	498 505 500 505 515	510 504 501 505 518	508 511 505 514 518	518 523 511 514 514	529 527 508 510 512	533 513 514 509 508	534 506 521 505 509	528 510 521 505 510	525 502 482 504 499	517 494 489 505 501	525 509 515 510 511	518 516 522 512 514	516 509 519 509 514	520 523 525 517 515	501 516 521 516 520	516 518 524 520 525	512 510 519 524 505	504 496 523 524 524	498 494 521 523 523	508 492 511 521 520	488 505 515 523 519	478 487 516 513 515	511 505 512 512 514
31 Mean	518 514	515 515	516 515	518 519	518 520	518 523	518 523	513 521	511	505 513	500 507	499 505	507	515	523 514	524	525 516	517	518	521 519	523 520	529 518	520 517	519 515	516 516

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MAGNETIC DECLINATION (WEST)

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

DECEMBER, 1935

314. E	SKDAL	EMUIR	(1)))								15	, +										DECE	MBER,	1927
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	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 2 3 4 Q 5 Q 6 Q 7 8	43·3 43·5 42·5 41·2 43·1 43·2 42·7 43·8 41·6		42·3 42·3 42·3	39·7 42·1 42·2 42·3 42·2 42·3	42·4 42·0 42·4	42.5 43.1 42.3 42.5 41.8 43.1	42·2 42·3	43.2 43.3 42.3 42.2 42.9 42.0	43.2 43.5 43.2 42.2 42.2 41.2	45.6 43.2 44.3 44.1 43.3 42.2 41.0	44.2 46.1 45.3 44.3 45.1 42.5	45·3 47·3 46·2 47·2 46·3 44·1	48·3 46·4 47·2 46·3 47·2 48·4 47·2	48.7 46.1 46.2 45.4	45.5 45.3 45.2 45.9 46.4 46.2	45.5 39.0 45.4 44.8 45.1 44.4 45.1	43.2 45.4 44.8 44.8 44.2 44.8	45.2 45.6 45.9 44.9	44.5 44.7 42.1 43.5	43·3 44·5 44·3 45·2 42·2 43·2	43.2 44.2 45.3 44.0 39.5 38.9	43.9 41.5 41.4 37.1 42.3	42·4 43·5 43·5 42·0 41·4 41·1	42.2 43.3 43.3 42.2 40.3 41.5	43.7 44.2 43.1 44.3 43.9 43.8 43.1 43.1
10 11 12 13 14 D 15	37-0 43-2 39-6 42-3 42-2 38-3	42.2 44.0 40.5 43.4 42.3 39.7	43.6 41.3 45.0 42.3 46.4	43·4 43·6 42·5 43·8 43·1 37·5	43-6 43-2 42-4 42-2	44·1 42·4 43·1 43·2 42·2 43·3	43.2 42.3 43.1 46.1 42.2 52.0	43·1 42·2 43·1 49·1 42·2 51·3	42·4 43·2 46·8 42·1 51·2	42.8 42.3 43.3 46.3 43.1 47.6	43-0 44-1 44-1 45-1 45-4 47-1	44.2 45.1 45.2 46.4 47.2 46.3	46-2 47-2 47-5 45-4 47-0 47-0	47-6 48-1 48-4 47-9 47-6 47-3	46·3 47·9 49·5 45·9 47·3 43·7	46·1 47·0 49·5 45·8 41·4 43·4	45·4 45·9 48·0 45·5 46·1 44·7	41.6 44.1 45.1 41.4 45.8 41.8	43·2 43·7 44·1 44·1 41·0 39·0	43·2 42·5 43·3 38·3 43·1	42.8 41.3 42.9 39.3 42.3	41.3 40.2 41.2 42.2 39.1 40.2	42·1 30·5 39·2 42·1 28·3 40·5	42·4 38·6 41·4 42·1 40·1 42·2	43-3 43-2 43-7 44-5 42-4 44-1
16 17 18 19 20	42.2 41.1 42.3 37.2 45.2	43.3 42.4 42.2 40.6 43.1 43.1	42.5 43.3 42.9 42.5 43.2	42·3 43·1 43·1 42·6	42·4 43·4 43·2 42·8	44-0 44-2	43·2 44·2 43·6 42·2	43.5 44.2 42.5 42.1 42.3	43·2 43·1 42·1 42·2 42·1	44·1 43·1 43·0 43·2	44·2 44·2 43·7 43·4		44.2 46.0 47.1 46.5	45·2 47·0 46·5	45·4 46·1 45·9 46·2	45·3 45·3 44·6	44·3 42·4 44·9 45·1	40·3 43·5 43·4 44·1 44·2	43·4 43·1 43·0	43-2 35-6 42-5 42-5	40·3 41·1 41·4	42·3 41·6 40·7 41·6	41·1 40·2 42·2 41·8	42.4 40.2 36.7 42.4 43.0	43-6 43-2 42-9 43-2 43-5
22 Q 23 Q 24 25 26 D 27 D	42·4 35·6 39·2	34-1	43.2 42.8 43.2 43.3 36.4 37.4	42·4 43·4 44·2 39·0	42-6 43-6 40-4	42·4 43·1 40·5	42·2 43·2 42·5 46·4	42·4 42·6 44·2	42.6 42.5 46.2	42.1	42·4 42·8 44·2 44·8	47·2 48·2	44·3 44·3 48·3	48-4	45-4	44·7 45·5 54·9	47.1	45·1 43·7 44·2 44·1 48·2 50·5	44.5 43.3 43.3 48.8 46.5 50.5	43·2 43·2 47·9	43.0 42.9 38.3	43·1 42·9 42·5 41·7	42-4 42-9 41-4 40-4	42.5 42.5 34.1 39.7	43·4 43·1 42·8 43·6
28 D 29 30	38·3 36·3 43·3	39·1 42·6 42·6	32.6 41.6 41.5	35.2 41.5 41.5	37-4 41-7 41-6	38·9 42·3 42·2	39·5 42·2 41·3	42.2 42.3 41.5	41.0 42.3 41.3	42.6 43.2 44.0	46.7 45.1 44.5	45·5 46·3	45.3 46.3 45.1	45·9 45·8 44·6	44.5 44.1 43.9	44.6 44.5 43.8	45·1 45·2 44·2	45·2 42·5 44·0	38·4 43·5 38·4	44·3 40·3	42.5 42.2 42.3	39·2 40·4 41·6 42·3 43·4		39·4 36·4 40·3 42·6 42·4	43.5 41.6 42.5 42.8 42.6
Mean	41-0	41-8	42-2	41.8	42-1	42-5	43-3	43-4	43-2	43-6	44-4	45-9	46 • 6	<u>46-8</u>	45-9	45-2	45.1	44-3	43-4	43-2	42.2	41.1	40-0	40-2	43-3

315.	ESKDA	Lemui	R (V)						44,0	γ 00	(•44	c.g.s	. uni	t) +								DEC	EMBER	, 1935
Hour G. M. T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Day 1 D 2 3 4 Q 5 Q	9 894 886 868 893 894	Y 894 884 875 893 894	94 883 888 889 894	992 878 891 890 894	Y 893 883 891 893 894	Υ 889 886 890 894 894	9 881 890 892 894 894	Y 871 890 893 896 894	Y 878 891 893 894 893	986 893 893 893 893	889 891 894 893 893	92 891 894 892 894	893 903 895 893 894	900 901 896 894 895	Y 905 899 896 892 896	903 899 912 892 894	909 899 915 893 893	913 899 911 893 893	γ 905 898 909 894 893	901 898 905 895 893	901 895 897 895 895	98 898 894 897 895 900	91 895 895 895 896	γ 893 891 894 895 895	Y 894 892 895 893 894
6 Q 7 8 9 10	895 897 892 893 887	894 896 885 893 883	894 896 888 890 883	892 895 889 890 885	891 893 889 889 886	891 892 890 888 886	891 892 889 888 886	891 893 890 888 886	891 893 892 888 887	891 895 893 889 888	891 893 893 891 890	892 895 893 894 891	894 896 890 892 887	895 899 890 894 889	896 899 892 894 891	895 900 893 894 894	896 900 893 894 895	895 899 896 894 902	895 900 895 895 899	896 900 894 900 896	898 900 893 906 898	898 898 893 909 899	897 895 893 903 895	898 895 893 896 895	894 896 892 894 891
11 12 13 14 D 15	893 893 895 897 891	893 889 892 897 880	895 889 889 897 872	893 888 891 897 875	892 888 890 895 887	892 888 889 895 890	891 889 889 894 881	891 890 886 894 883	892 889 886 894 893	892 888 889 893 901	892 888 893 893 907	895 888 893 896 913	894 888 897 897 918	896 891 897 901 917	902 895 900 909 924	902 901 901 920 921	902 911 905 923 915	899 911 909 925 916	896 907 904 948 920	998 901 937 907	904 900 921 903	900 901 898 914 902	903 903 897 912 899	893 898 897 891 899	895 895 895 <u>906</u> 901
16 17 18 19 20	894 895 889 884 885	884 891 893 885 889	891 889 893 889 893	888 889 894 890 893	891 892 894 892 893	891 895 892 892 893	892 896 891 894 894	892 897 892 896 897	888 900 893 897 898	890 900 895 897 898	900 901 897 900 898	903 900 900 899 898	903 903 899 899 897	910 901 902 898 897	920 900 904 897 898	929 901 905 898 902	915 901 907 898 901	916 902 904 898 901	914 900 905 901 901	909 900 909 900 901	908 900 903 903 900	900 898 903 901 898	890 898 900 900 898	890 894 897 896	897 898 896 897
21 22 Q 23 Q 24 25	894 894 893 890 898	894 890 893 890 897	894 890 891 889 890	893 890 890 886 889	893 890 890 886 887	893 890 890 886 886	893 890 890 886 885	894 891 890 886 881	897 891 890 885 882 871	896 893 889 885 882 877	894 893 891 886 882	891 894 890 886 879	891 891 890 886 882	893 890 890 887 886	895 890 891 888 886	896 891 890 889 890	893 890 887 890	893 890 887 890	893 890 886 896	893 890 885 913	894 890 884 924	894 890 884 921	894 892 889 913	893 892 900 909	892 891 887 893
26 D 27 D 28 D 29 30	908 891 927 891 889	908 897 910 891 890	901 895 891 886 890	891 889 882 890 890	878 880 893 890	880 884 892 890	874 886 892 890	872 882 890 888	875 880 889 886 887	876 879 888 886 886	885 881 889 887	891 881 889 886	891 884 888 886	895 885 892 887	900 892 893 889	899 892 896 890	899 892 896 891	906 892 896 694 898	920 901 897 902 896	935 895 894 895	941 895 891 891	947 898 890 890 891	932 897 891 890 889	925 890 889 889	900 891 891 890
Mean	893	891	890	889	889	890	889	888	889	890	892	893	893	895	897	899	900	901	902	. 902	901	900	898	895	894

887 at 0-lh. Jan. 1st 1936.

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

316. ESKDALEMUIR

DECEMBER, 1935

310	· ·	BOK	DALEMUI	Α						 													DECEMBER	
									Ter	restrial	Magneti	c Klei	ment	8	_							ł	Magnetic Character	Temperature in Magnet
Day			Horisc	ntal Fo	rce					De	clination	۵ .					Ve:	rtical F	orce			HR _H +VR _V	of Day	House
		Maxi 16,0	30 γ +	Mini 16,0			Range		faxir 130		Mini: 13°	#U##		Range		Maxi. 44,0	100 γ +	Mini 44,0	mum 00 γ +		Range	10,000 ₇ ª *	(0-2)	200 +
1 D 2 3 4 Q 5 Q	h 21 21 20 2 16	m 35 58 33 23 23	Υ 555 531 541 531 536	Y 450 446 473 505 505	h 16 12 15 11 21	43 22 24 6 14	Y 105 85 68 26 31	12 12	47 33 40 4 43	52-2 50-6 48-4 49-2 46-6	32·5 30·3 33·5 40·4 39·8	h 21 23 0 0 21	26 6 1 15 27	19-7 20-3 14-9 8-8 6-8	h 16 12 16 7 21	53 54 0 35 30	γ 923 907 919 896 902	970 875 861 889 890	h m 7 1 3 1 0 4 2 3 9 4	0 3 9	Y 53 32 58 7 12	411 281 363 74 99	1 1 0 0	°A 84-9 84-9 84-8 84-7 84-5
6 Q 7 8 9 10	22 20 20 17 6	2 42 32 12 10	532 545 553 532 539	507 493 510 498 498	10 11 0 11 17	42 50 18 34 28	25 52 43 34 41	13 14	59 24 20 46 24	48·2 51·3 47·9 47·6 48·3	39·9 34·2 37·3 28·6 30·1	21 20 23 0	43 3 30 40 1	8·3 17·1 10·6 19·0 18·2	21 16 17 21 17	48 4 40 25 44	899 903 897 911 904	891 892 884 887 882	6 1 3 9 1		8 11 13 24 22	77 135 125 164 162	0 1 1 1	84·5 84·4 84·4 84·4
11 12 13 14 D 15	7 6 5 23 3	10 5 18 3 29	538 530 543 578 545	494 492 479 465 464	11 16 12 22 11	28 45 48 25 33	44 38 64 113 81	14 14 8 14 7	31 40 4 20 0	48·3 50·3 50·1 49·8 54·1	27·3 37·3 39·0 20·2 33·1	17 22	28 10 14 40 12	21-0 13-0 11-1 29-6 21-0	21 16 17 18 14	55 47 13 37 50	905 915 913 <u>966</u> 926	891 885 885 890 870	12 2 8 1 23 3	0	14 30 28 76 56	131 198 232 527 379	1 1 1 1	84-4 84-4 84-4 84-3
16 17 18 19 20	21 22 23 0	43 52 40 1 9	589 554 539 535 549	445 474 493 493 498	14 11 19 12 15	58 55 0 20 49	144 80 46 42 51	13 12 13 12 12	2 7 32 44 59	51·7 47·8 47·2 48·2 47·3	28·4 38·3 33·2 33·3 40·1	0	28 4 23 15 53	23·3 9·5 14·0 14·9 7·2	15 12 19 20 15	4 14 15 50 52	934 904 912 904 904	882 888 886 881 884		0 0 5	52 16 26 23 20	471 204 193 172 169	1 1 0 0	84·4 84·3 84·3 84·3 84·3
21 22 Q 23 Q 24 25	24 0 20 21 7	26 34	534 539 532 556 546	506 516 510 501 479	9 10 11 23 20	26 33 0 43 0	28 23 22 55 67	12 14 13	22 32 52 53 38	47-0 45-5 45-2 45-2 53-7	38.2 38.4 41.8 32.5 33.1	24 0 8 23 0	0 1 24 28 1	8-8 7-1 3-4 12-7 20-6	22 21 0 23 20	9 40 1 50 42	898 896 894 902 931	890 889 888 882 879	11 5 3 9 1 21 3 11 4	0 0 5	8 7 <u>6</u> 20 52	82 69 65 181 344	0 0 0 1 1	84-2 83-9 83-8 83-7 83-7
26 D 27 D 28 D 29 30	6 5 1 19 1	44	547 542 557 550 532	466 457 451 490 486	24 0 11 0 18	0 13 53 34 22	81 85 106 60 46	15 18 11 12 1	30 0 23 40 50	56-2 54-3 55-3 47-6 48-0	29.0 31.1 29.2 30.3 34.0	1 2	14 12 9 48 33	27-2 23-2 26-1 17-3 14-0	20 21 0 14 18	4 36 1 18 39	924 950 932 900 905	867 872 876 885 885	10 2 3 9 2	5 0 2	57 78 56 15 20	390 490 426 166 166	1 1 1 1	83·7 83·7 83·6 83·6
31 Mean	21		542 544	492 485	10	0	50 59		32	46·6 49·3	35-4 33-9		35	11-2	17	40	899 912	884 883	12	4	15 30	150 229	0.74	83·5 84·2
No.of Days Used	••		31.	31			31			31	31			31			31	31		\dashv	31	31	31	31

[§] For explanation see page 181. Q denotes an "International Quiet Day", while D denotes a disturbed day used for the computation of Tables 323 - 334.

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

				,												r						Γ		
	Hour 0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
MONTH AND SEASON							•																	
	31	.7 ESI	CDALEM	UIR						NOR	TH CO	APONEN'	r (ALL	DAYS)		· · · · · · · · · · · · · · · · · · ·							19	35
January February	Y -0.8 +2.1	Y -2.6 +3.7	Υ -0•9 +3•6	+0·7 +2·3	Y +4.6 +5.7	γ +7•0 +6•2	Υ +5•6 +9•6	Y +6•4 +8•5	Y +0•7 +3•9	Y -1.5 -3.0	-4·7 -9·8	-8·5 -15·1	γ -8•9 -13•3	-5·3 -8·3	-1·6 -3·9	-0·9 -3·6	+0-1 -4-3	+2·8 -0·3	+1·5 +0·8	+1·5 +1·8	γ +1⋅6 +4⋅5	+1·0 +0·7	+0·8 +2·9	+1·5 +5·6
March April	+5•9 +6•5	+2-8 +5-9	+2·1 +4·6 +3·6	+5·2 +7·4 +3·8	+3•2 +8•0 +5•4	+7·8 +7·7 +5·1	+6·5 +5·3 +1·2	+4·3 +2·8 -2·6	-0·1 -8·0 -9·1	-10·2 -19·5 -16·6	-15·7 -30·5 -23·0	-19·7 -32·5 -25·7	-18·2 -27·6 -23·2	-11·8 -18·7 -13·9	-3·8 -8·2 -8·2	-2·4 +0·2 -1·4	+1·4 +8·7 +9·5	+2.6 +12.8 +13.5	+5.0 +14.8 +15.3	+5·9 +14·8 +16·6	+6·6 +12·1 +13·5	+7·1 +10·9 +11·1	+8·3 +10·8 +8·3	+7·3 +11·5 +6·3
May June July	+6·0 +6·1 +7·7	+5•4 +5•9 +6•9	+4·1 +7·2	+4•7 +7•6	+5·2 +6·1 +6·7	+5•0 +4•0 +6•2	+1·3 +3·0 +3·0	-5·4 -5·1 -4·9	-15·7 -14·6 -16·3	-24·4 -21·1 -24·0	-29·4 -27·3 -26·3	-29·6 -29·5 -24·7	-21·7 -24·3 -19·5	-17·4 -17·1 -14·1	-4·7 -4·5 -6·4	+4·6 +3·3 +0·4	+13·7 +5·4 +4·7	+18·1 +10·5 +11·2	+23.5 +13.5 +13.9	+22·2 +16·2 +14·9	+15.5 +16.4 +15.3	+8.5 +13.6 +11.0	+5·8 +12·5 +10·3	+4.2 +9.8 +11.0
August September October	+8·7 +6·5 +9·8	+7•3 +7•9 +8•9	+6·1 +7·9 +8·1	+5·8 +8·0 +8·5	+11·7 +10·1	+8·2 +10·9	+6·8 +10·2	-3·4 +3·9	-14·7 -2·4 +3·9	-23·3 -12·3 -4·9	-28·9 -23·0 -13·5	-27·1 -29·0 -17·9	-20·5 -26·1 -16·8	-12·8 -17·6 -11·8	-5·1 -9·4 -6·7	+1·6 -4·3 -5·4	+7·7 -0·5 -1·5	+9·9 +3·1 +1·3	+11·7 +7·5 +4·6	+9·5 +6·9 +2·1	+11·1 +8·0 +4·7	+12·6 +7·2 +8·0	+9.8 +12.1 +6.9	+4 · 8 +9 · 6 +8 · 2
November December	+3.3	+2·2 +0·9	+2.3	+1.7	+4•1	+7·7 +7·9	+6+8	+7·1 +4·3	+1.5	-3-6	-10-0	-13-7	-11-8	-7•5	-5.2	-2.5	-2.2	+1•3	+2-4	+2.9	+4-8	+4-7	+4.6	+2•8
Year	+5•2	+4-6	+4-1	+5•0	+6・3	+7•0	+5•7	+1-3	-5-9	-13-7	-20-2	<u>-22-8</u>	-19-3	-13•0	-5.7	-0-9	+3.5	+7•3	+9-5	+9-6	+9•5	+8•0	+7•9	+6•9
Winter	+1-4	+1•0	+1•4	+2•3	+4-8	+7•1	<u>+7·6</u>	+6+6	+2•5	-3•2	-9•5	<u>-13·9</u>	-12-7	-8-2	-4-4	-3-0	-2-0	+1.2	+2•3	+2·1	+3.9	+3•6	+4•6	+4-5
Equinox	+7•1	+6・4	+5•7	+7•3	+8•2	+8•7	+7•1	+1•9	-6•3	-16.3	-24-5	<u>-27-1</u>	-23-1	-15-2	-6-6	-1.2	+4-3	+7•1	+9•8	+9-2	+9•4	+9-5	<u>+10-3</u>	+8-3
Summer	+7•2	+6•4	+5•2	+5•5	+5•9	+5•1	+2•2	-4•5	-13-9	-21.5	-26•5	-27-4	-22-1	-15-6	-5-9	+1.7	+8-1	+13-3	+16.5	+17-4	+15•2	+11-1	+9•2	+7•8
													*											
318 E	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y 12:12:1 -7:3 -8:3 -7:0 -3:4 -1:3 +0:13 -1:1:2 -11:2 -8:3 -8:3 -8:3 -8:0 -7:3 -7:3 -7:									WES	T COM	PONENT	(ALL	DAYS)									19	35
January	12·2 -7·0 -4·4 -4·6 -3·4 -1·3				γ +0•3	Υ +1•3 -2•3	Y +2•2 -2•2	Y +4·5 -2·5	Υ +5·1 +3·1	Υ +8∙3 +9∙4		Y +14.7 +19.9	+11·1 +21·4	Υ +9•3 +16•5	Υ +5·1 +9·3	γ +4∙0 +6∙7	γ +2·9 +0·5	γ -2-6 -3-8	Y -8·9 -7·9	γ -10•0 -13•6	Y -14·5 -14·5	Y -10-9 -14-2		
February March April	-11·2 -5·5	-11·2 -3·9	-8·3 -2·9	-8·3 -6·1	-8•0 -10•5	-7·3 -9·8	-7·9 -11·9	-8·1 -18·0 -19·7	-11.5 -22.2 -21.3	-10·6 -19·2 -17·5	-0·6 -10·2 -5·2	+10·7 +4·4 +7·7		+29·8 +27·9 +26·3	+27·9 +28·6 +24·5	+21·1 +22·1 +20·0	+12·3 +15·9 +16·9	+2.5 +10.6 +13.2	-1·9 +4·9 +8·2	-0·8 +2·2 +7·1	-4·0 -2·6 +2·4	-8·1 -4·2 -0·1	-10·0 -4·7 -2·6	-10·5 -5·1 -8·7
May June July	-7·9 -5·5	-8·2 -6·1	-10·2 `-7·8	-10·2 -10·7	-15·9 -13·8	-22·6 -18·2	-17·4 -28·3 -22·7	-31·0 -25·0 -23·2	-28·5 -23·7	-20•5 -18•0	-6·9 -7-2	+8·2 +7·9	+24·5 +22·7	+30.3	+32·2 +30·0	+29·5 +25·0 +16·8	+24·2 +18·1 +8·9		+12·2 +7·4	+8·5 +5·1 +5·5	+3·3 +4·1 +2·8	+1.0 +2.5 +1.7	-1·1 -0·9 -1·0	-2·2 -3·9 -1·5
August September October	-3·3 -6·7 -7·0	-5·3 -11·4 -5·2	-8·7 -15·8 -5·2	-9·2 -7·3 -4·6	-13·6 -8·3 -4·4	-18·1 -8·3 -2·0	-22·1 -12·1 -2·2	-13·8 -5·3	-20•4 -13•6 -11•8	-12·7 -6·2 -14·0	-0·4 +4·1 -4·5	+13·5 +17·8 +8·5	+28·8 +1 9· 9	+29·3 +31·7 +26·0	+24 · 8 +26 · 8 +27 · 6	+19·8 +18·5	+9·9 +11·1	+8·4 +1·8	+2·1 -1·8	-2·5 -3·3	-4·1 -8·6	-9·5 -12·1	-15·9 -11·2	-13·8 -10·5
November December	-8·2 -11·1	-3·0 -7·5	-1·6 -5·5	+0·1 -6·2	+0-1 -4-9	-1·5 -1·9	-1·4 +1·7	-2·1 +1·7	-4·6 -0·1	-5·3 +0·7	-1·3 +2·9	+7•2 +9•3	+13.8	+16·5 +15·3	+15.1	+10.9	+4·5 +8·3	+2·8 +5·2	+1·6 +1·1	-2·4 +0·3	-5·6 -4·2	-11·3 -9·8	-11·4 -15·3	-12-9 -14-6
Year	-8•2	-6•9	-7-4	-6-6	-8•0	-9•1	-10-4	-12-1	<u>-13·1</u>	-10-1	-1.7	+9•4	+20•1	+24•8	+23•5	+18•2	+12•1	+7•6	+3•5	+1•1	-2-7	-6-1	-8•5	-9•1
Winter	-10•9	-6.2	-5•2	-4-4	-2-9	-1-9	-0•2	-0-4	-1.2	-0•7	+2•7	+8•6	+13.7	<u>+16•6</u>	+14-8	+11-5	+6+8	+4.7	+1•5	-2•1	-6•6	-11-2	<u>-14·0</u>	-13-2
Equinox	-7-6	-7•9	-8•1	-6•6	-7•8	-6.9	-8•5	-11•3	-14-8	-12-5	-2•8	+10•4	+23•2	+28 • 8	+27•8	+20•3	+12-3	+5-9	+0•8	-1•1	-4.8	-8.5	-10•5	-10-0
Summer	-6.1	-6.7	-8•8	-8•8	-13-4	-18•6	-22•6	-24.7	-23-5	-17-2	-4.9	+9・3	+23•4	+28 • 8	+27•9	+22-9	+17-0	+12•3	+8•1	+6-6	+3•2	+1.3	-1•4	-4*1
		ν.								VERTIC	SAT. CO	MPONEN	T (AL.).	DAYS)										
319 E	SKDALE								. 1				Υ Υ	γ	· ·			Y	Υ	γ	Y	Y	193 Y	Υ
January February	-2·0 -4·4	-3·7 -7·6	7 -7·1 -9·4 -7·0	-4·9 -8·3	-4·3 -9·0	-4·8 -7·9	-4·2 -6·9	-4·3 -5·6	-3·1 -4·3	-2·8 -3·9	-1·5 -4·4 -7·3	-1·1 -3·9 -8·7	-0·3 -2·4 -7·9	+1·4 0·0 -4·0	+4·6 +2·8 +3·8	+5·3 +7·6 +10·6	+5·4 +10·8 +15·8	+4.6 +12.5 +16.6	+4.5 +13.4 +14.4	+5·7 +13·0 +10·0	+5·9 +9·1 +7·0	+3·7 +6·9 +4·1	+2·8 +3·2 +1·2	+0·2 -1·3 -1·0
March April May	-4·9 -3·0 -2·2	-7·1 -5·2 -3·4	-5·0 -3·0	-7·1 -5·3 -2·3	-5·6 -4·9 -1·0	-5·4 -4·0 +1·3	-4·5 -2·1 +0·9	-4·1 -0·5 -0·4	-4·3 -1·2 -3·1	-4·6 -2·6 -6·6	-4·7 -10·0	-7·7 -12·5	-9·2 -11·3	-6·1 -7·4	+0•4	+6 · 2 +3 · 7	+9•2 +6•9	+12·3 +9·7 +14·9	+12.9 +10.8 +16.8	+10.9 +9.9 +14.5	+9·0 +9·2 +10·1	+4·3 +7·0 +6·2	-0•4 +4•3 +0•5	-3·3 +0·6 -2·4
June July August	-6·3 -1·9 -3·2	-6·5 -3·6 -3·2	-6·6 -1·9 -2·5	-4·9 -0·9 -1·5	-1·1 -0·7 +0·1	+0·4 -0·9 +1·2	+1·3 -0·4 +1·1	+0·5 -0·3 +0·7	-1·9 -3·3 -2·9	-5·0 -5·5 -5·9	-9·1 -9·0 -9·2	-12·9 -11·5 -12·1	-13·7 -10·9 -10·2	-9·4 -6·3 -5·5	-3·2 -1·2 +1·1	+5·4 +4·7 +5·5	+12·4 +9·9 +8·9	+11·0 +9·4	+10·8 +8·1	+8•9 +6•8	+6·7 +5·6	+4·9 +4·1	+1·8 +3·0	-0•4 +0•6
September October November	-10·3 -5·0 -3·9	-12·4 -6·1 -4·4	-9·0 -7·6 -4·2	-11·8 -7·9 -4·6	-13·3 -7·0 -4·7	-9·2 -7·2 -4·7	-5·3 -6·5 -5·2	-2·9 -4·6 -4·8	-3·7 -3·4 -4·0	-4·6 -3·9 -3·2	-5·0 -5·7 -3·4	-7·7 -6·4 -2·8	-7·4 -3·3 -1·8	-1·7 -0·4 -0·3	+6-6 +6-2 +3-3	+14.6 +14.8 +6.3	+18·5 +15·4 +9·3	+17·4 +14·0 +9·5	+17·0 +11·6 +7·3	+16·5 +10·3 +7·6	+12·4 +6·9 +6·1	+6·0 +3·5 +4·0		-4·4 -5·2 -2·0
December	-1.8	-3-3	-4-1	-5-1	-5-3	-5•0	-5-6	<u>-6-0</u>	-5•3	-4-4	-2.9	-1•8	-1-1	+0-6	+2•8	+4-6	+5•4	+6・4	+7.7	+7.3	+6.7	+5•9		+0.7
Year	-4-1	-5-5	-5•6	-5•4	-4.7	-3•9	-3•1	-2•7	-3•4	-4•4	-6•0	<u>-7·4</u>	-6•6	-3•3	+2•2	+7•4	+10.7	+11.5		+10-1	+7•9	+5•1	+1.5	-1.5
Winter	-3•0	-4-7	<u>-6·2</u>	-5•7	-5-8	-5-6	-5-5	-5-2	-4•2	-3•6	-3.1	-2•4	-1-4	+0•4	+3•4	+5•9	+7•7	+8•3		+8-4	+6•9	+5•1		-0.6
Equinox	-5-8	-7•7	-7•1	<u>-8•0</u>	-7•7	-6•5	-4.6	-3•0	-3-1	-3-9	-5•7	-7•6	-6•9	-3·1	+4•3	+11.5	+14.7	+15.1	+14.0	+11.9	+3•8	+4•5		-3.5
Summer	-3-4	-4.2	-3-5	-2-4	-0•7	+0•5	+0•7	+0•1	-2-8	-5•7	-9•3	-12-3	-11.5	-7-1	-1.1	+4.8	+9•5	+11-3	+11-6	+10-0	+7•9	+5•5	+2•4	-0.4

DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE (ALL DAYS)

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

MONTH AND DECLINATION (measured positive towards the West) (ALL DAYS)			- 1											
AND AND AND AND AND AND AND AND AND AND														
SEASON DECLINATION (measured positive condition one most, (into since most, (into si		1935	ı											
320 ESKDALEMUIR	, ,	T, T,												
January -2-43 -1-29 -1-05 -0-96 -0-92 -0-62 -0-22 -0-06 +C-41 +0-99 +1-46 +2-11 +2-71 +3-23 +2-32 +1-92 +1-02 +0-67 +0-51 -0-60 - February -2-55 -1-65 -1-86 -1-53 -0-95 -0-84 -0-75 -0-89 -0-64 -0-36 +1-12 +2-65 +3-96 +4-42 +4-52 +3-50 +2-99 +1-37 +0-06 -0-85 -1-67 +0-63 +0-6	1·87 -2·08 1·81 -2·78 1·13 -1·99	-3·08 <u>-3·</u>	15											
April -1-44 -1-07 -0-82 -1-60 -2-51 -2-36 -2-66 -3-78 -4-08 -2-91 -0-54 +2-50 +5-42 +6-56 +6-18 +4-46 +2-78 +1-51 +0-25 -0-29 -1-60 -1-73 -1-66 -1-73 -1-73 -1-66 -1-73 -1-73 -1-66 -1-73	1·12 -1·39 0·18 -0·57	-1·49 -1·6 -0·93 -2·0	-06											
June -1.90 -1.95 -2.26 -2.29 -3.47 -4.81 -5.79 -5.99 -4.97 -2.92 +0.07 +3.12 +0.03 +6.99 +6.73 +4.80 +3.08 +3.08 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +0.82 +1.03 +1.03 +0.82 +1.03	0·11 -0·21 0·02 -0·16 0·19 -0·20		27											
August -1-68 -2-69 -3-59 -1-88 -2-27 -2-09 -2-78 -2-61 -2-01 -0-10 +2-27 +4-95 +6-84 +7-04 +5-67 +3-91 +1-62 +1-20 -0-17 -0-98 -1-20 -1-50 -1-50 -1-50 -1-55 -1-39 -0-94 -0-96 -1-26 -2-27 -2-21 +0-23 +3-16 +5-32 +6-13 +6-09 +3-94 +2-26 +0-22 -0-73 -1-00 -1-50	1·39 -2·55 2·13 -2·80 1·37 -2·68	-2.86 -2.6	60											
1 1 1 1 1	1.08 -2.21													
Year -1-92 -1-63 -1-69 -1-58 -1-93 -2-18 -2-39 -2-51 -2-36 -1-36 +0-66 +3-03 +5-02 +5-65 +5-03 +3-72 +2-26 +1-18 +0-23 -0-25 -1-36 +0-66 +3-05 +5-02 +5-65	1-03 -1-63	-2-13 -2-1	17											
Winter -2.27 -1.30 -1.12 -1.01 -0.82 -0.73 -0.42 -0.40 -0.36 +0.03 +1.02 +2.42 +3.40 +3.76 +3.21 +2.47 +1.47 +0.88 +0.19 -0.53 -0.53	1-53 -2-44	<u>-3-03</u> -2-8	-89											
Equinox -1.59 -1.91 -1.91 -1.69 -1.99 -1.81 -2.08 -2.37 -2.67 -1.71 +0.65 +3.44 +5.83 +6.58 +5.94 +4.17 +2.27 +0.83 -0.32 -0.68 -1.91	1-44 -2-18	-2-62 -2-4	43											
Summer -1.59 -1.67 -2.03 -2.05 -3.00 -4.00 -4.67 -4.05 -2.40 +0.32 +3.25 +5.83 +6.59 +5.92 +4.53 +3.03 +1.83 +0.81 +0.46 -1.59	0-11 -0-29	-0-74 -1-2	21											
INCLINATION (ALL DAYS) 1935														
321 ESKDALEMUIR 1935 muary +0.20 +0.19 -0.02 -0.11 -0.35 -0.55 -0.47 -0.55 -0.47 -0.55 -0.47 +0.15 -0.04 +0.17 +0.40 +0.40 +0.14 +0.04 +0.04 +0.04 +0.04 +0.04 +0.09 +0.18 +0.18 +0.25 +0.09 +0.18 +0.18 +0.12 -0.18 +														
521 ESKDALEMUIR 1925														
January 40-20 40-19 -0-02 -0-11 -0-03 -0-53 -0-55 -0-55 -0-0-17 -0-05 -0-03 +0-18 -0-055 +0-23 -0-02 +0-18 +0-40 +0-21 +0-26 +0-27 +0-25 +0-23 -0-02 +0-18 +0-40 +0-21 +0-26 +0-27 +0-25 +0-23 -0-02 +0-18 +0-20 +0-21 +0-21 +0-20 +0-20 +0-21 +0-20 +	-0-24	4 -0-35 -0-	·16 ·33 ·75											
April -0.41 -0.45 -0.38 -0.51 -0.47 -0.44 -0.21 +0.09 +0.85 +1.52 +2.01 +1.88 +1.25 +0.62 +0.09 -0.66	0.70 -0.55 0.82 -0.42	5 -0·40 -0· 2 -0·35 -0·	·24 ·29											
July -0-46 -0-44 -0-39 -0-34 -0-19 +0-01 +0-18 +0-73 +1-25 +1-53 +1-68 +1-52 +0-95 +0-50 -0-22 -0-50 -0-40 -0-60 -0-74 -0-92 -0-50 -0-40 -0-60 -0-74 -0-92 -0-50 -0-40 -0-60 -0-74 -0-92 -0-50 -0-40 -0-60 -0-74 -0-92 -0-50 -0-40 -0-60 -0-74 -0-92 -0-50 -0-40 -0-60 -0-74 -0-92 -0-60 -	0.97 -0.80 0.91 -0.64 0.36 -0.53	4 -0-58 -0-	-58 -67 -21											
September -0.57 -0.64 -0.48 -0.69 -0.98 -0.98 -0.98 -0.083 -0.38 +1.09 +1.51 +1.21 +1.29 +0.69 +0.28 +0.06 -0.23 +0.32 +	0.36 -0.53 0.21 -0.19 0.06 -0.25	9 -0-67 -0-	· 58 · 38											
	0.00	+0+03 +0+	0.07											
Year -0.31 -0.32 -0.28 -0.36 -0.40 -0.41 -0.28 +0.04 +0.52 +0.95 +1.19 +1.16 +0.77 +0.38 +0.05 -0.05 -0.15 -0.32 -0.40	-0•30													
Winter +0-01 -0-08 -0-16 -0-22 -0-41 -0-57 -0-62 -0-55 -0-24 +0-13 +0-50 +0-71 +0-57 +0-28 +0-13 +0-16 +0-20 +0-05 +0-03 +0-10 +0-10	-02 +0-07	7 +0.01 -0.	-09											
Equinox -0-48 -0-48 -0-48 -0-43 -0-57 -0-60 -0-60 -0-44 -0-01 +0-57 +1-17 +1-50 +1-41 +0-97 +0-46 +0-09 +0-03 -0-11 -0-19 -0-31 -0-29 -0-31 -0-29 -0-31 -0-29 -0-31 -0-29 -0-31 -0-29 -0-31 -0-31 -0-29 -0-31	-0-37	7 -0.51 -0.	-47											
Summer -0.46 -0.41 -0.29 -0.27 -0.19 -0.02 +0.24 +0.70 +1.21 +1.54 +1.57 +1.33 +0.81 +0.38 -0.08 -0.36 -0.36 -0.56 -0.79 -0.92 -1.00 -0.00	-0-61	1 -0.52 -0-	-45											
			-											
HORIZONTAL FORCE (ALL DAYS) 1935														
January -3.7 -4.2 -2.2 -0.4 +3.6 +6.5 +5.5 +6.5 +1.2 -0.4 -3.1 -6.5 -0.5	y y 0.6 -1.4 2.5 -2.6													
March +3.0 0.0 0.0 +3.1 +1.2 +5.8 +4.4 +2.2 -2.9 -12.4 -15.4 -16.6 -12.0 -4.3 +3.0 +2.7 +4.3 +3.1 +4.4 +5.6 +1.2 +1.2 +1.2 +1.2 +1.2 +1.2 +1.2 +1.2	+5·0 +9·6	+5·7 +4· +9·4 +10·	•6											
May +4.0 +3.5 +1.5 +2.5 +2.8 +1.2 -3.0 -7.2 -13.9 -20.3 -23.6 -23.1 -17.7 -7.2 -2.1 +3.4 +12.3 +16.3 +16.8 +17.8 +	3-7 +10-8 5-8 +8-5 3-9 +13-8	+5•4 +3•	-5											
July +6·1 +5·2 +5·1 +4·8 +2·6 -0·5 -2·5 -10·9 -19·8 -24·8 -28·2 -26·8 -18·2 -9·6 +2·8 +9·2 +9·6 +12·9 +14·9	5.5 +11.1 6.8 +10.0	+9.7 +10. +5.7 +1.	·3 ·4											
October +7.8 +7.4 +6.6 +7.2 +8.7 +10.1 +9.4 +2.5 -5.2 -15.3 -23.4 -26.1 -20.6 -10.9 -2.5 +0.2 +2.2 +3.4 +6.9 +5.9 +1.5 +1.5 +1.5 +1.5 +1.5 +1.5 +1.5 +1.5	5·7 +4·1 5·2 +5·1 3·7 +2·2		٠9											
December -1-6 -0-9 -0-8 +3-1 +3-7 +7-2 +7-0 +4-6 +1-4 -3-3 -9-0 -11-1 -8-2 -3-6 -2-2 -0-1 -0-1 +2-5 +2-6 +2-9 -7-1 +2-5 +2-6 +2-9 -7-1 +2-5 +2-9 -7-1														
lear +3.1 +2.8 +2.2 +3.3 +4.2 +4.6 +3.0 -1.0 -8.9 -15.7 -20.0 -13.8 -13.8 -13.8	3-6 +6-3													
#Inter -1-2 -0-5 +0-1 +1-2 +4-0 +6-5 +7-3 +6-3 +2-1 -3-3 -0-6 -11-2 -3-1 -4-0 -3 +2-1 -3-3 -0-6	2-2 +0-8													
Equinox 15-1 14-3 13-6 15-5 16-1 16-7 14-9 -0-9 -9-7 -18-6 1-24-5 1-25-5 1-16-5 17-5 17-5 16-5 17-5 17-5 17-5 17-5 17-5 17-5 17-5 17	+7-2													
Summer +5.5 +4.6 +3.0 +3.2 +2.5 +0.5 -3.3 -10.3 -19.1 -25.0 -26.9 -24.4 -15.9 -8.3 +0.9 +7.1 +11.9 +15.9 +18.0 +18.5 +18	5-5 +11-1	+8-6 +6-	•6											

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE INTERNATIONAL QUIET DAYS

Departures from mean of the day adjusted for non-cyclic changet

<u> </u>	Hour	G.M.T.	Γ	Ī		Ī					Г	T	<u> </u>	T		1	T .	<u> </u>		<u> </u>				
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
MONTH AND																								
SEASON									• •		,													
	32	3 ESK	DALEMU	IR					N	ORTH C	OMPONE	NT (QU	IET DA	YS)									19	35
January	-0-7	-2·6	-2·5	γ -0•5	+2·2	Y +4 • 7	+6•7	+7·2	+4·8	+1·9	-2·0	-3·7	-4·7	-3·1	-3·0	γ -1·8	-0·1	γ +0·9	+0·2	-0·1	γ +0-5	-1·0	-3·8	γ +0•5
February March April	0.0 +3.7 +7.3	+0.9 +3.8 +6.4	-0·1 +2·5 +4·9	+1.5 +4.4 +6.7	+1·7 +4·7 +6·3	+2·4 +7·4 +7·7	+5·5 +7·8 +7·6	+6·6 +6·1 +5·9	+4·3 +1·6 -2·4	-1·7 -6·6 -13·1	-6·9 -16·0 -23·1	-12·7 -18·8 -28·4	-10-6 -16-5 -26-3	-7·9 -10·1 -19·4	-5·1 -0·3 -9·5	-2·2 +1·0 -1·1	-0.5 -0.2 +2.8	+1.8 -0.1 +7.7	+1.5 +4.1 +10.1	+3·9 +2·4 +10·4	+5•0 +1•6 +10•9	+3·8 +5·9 +9·7	+4·5 +6·4 +9·5	+4·4 +5·2 +9·5
May June	+6·3 +6·0	+7·2 +4·7	+5•0 +5•7	+5•0 +6•5	+6·5 +7·9 +7·2	+6-6 +5-5 +5-9	+6·1 +2·5 +5·8	+3·2 -2·4 +1·3	-3·9 -11·1 -8·7	-15·2 -20·0 -19·3	-25·0 -26·4 -25·3	-28·2 -27·7 -27·8	-27·2 -22·3 -27·0	-19·5 -16·3 -15·8	-8·6 -6·7 -0·6	-1·3 -0·2 +3·0	+7·5 +7·4 +3·6	+14·2 +12·3 +7·7	+15.6 +15.5 +11.5	+14·3 +18·4 +10·8	+10-6 +14-7 +13-9	+8·2 +12·1 +11·2	+7·7 +8·1 +9·1	+4·9 +5·7 +8·0
July August Septembe	+7·4 +6·3 +10·3	+5·7 +6·5 +5·1	+6 • 1 +5 • 8 +4 • 8	+6·3 +7·0 +5·2	+6 · 2 +5 · 9	+4-3 +4-5	+2·2 +3·4	-3·9 -1·5	-9·5 -11·6	-18·9 -20·0	-23·0 -26·7	<u>-23·8</u> -24·2	-20·3 -15·3	-14·3 -9·8	-6·2 -4·3	+2·3 +0·2	+5·3 +3·4	+8·5 +6·1	+10.0	+12.6	+13·0 +12·2	+10·9 +11·2	+10·5 +9·5	+8-8 +10-4
October November December	+6·8 +1·1 +1·3	+8·0/ -1·3 -0·3	+8•3 +0•9 +1•4	+7·0 +0·9 +1·7	+5·7 +2·2 +1·7	+6·9 +4·0 +2·5	+7·2 +5·9 +2·3	+5·5 +4·2 +1·7	-2·5 +3·9 -1·9	-12·1 -4·7 -5·1	-23·1 -11·9 -6·9	-29·7 -14·7 -9·5	-24·3 -13·3 -8·1	-17·4 -10·0 -4·3	-6·7 -5·2 -3·2	-2·2 -1·4 -1·4	+3·7 +2·5 +1·7	+5·9 +6·0 +3·7	+9·4 +4·6 +4·8	+10·3 +5·3 +6·3	+8-5 +6-3 +4-7	+8·2 +5·8 +2·3	+8·0 +4·8 +2·4	+8·5 +4·2 +2·2
Year	+4.6	+3•7	+3-6	+4•3	+4-9	+5•2	+5•3	+2-8	-3-0	-11-2	-18-1	-20-8	-18-1	-12-3	-4-9	-0.5	+3-1	+6 • 2	+8•0	+8-8	+8-4	+7•3	+6•3	+6-0
Winter	+0+4	-0-8	0-0	+0+9	+2-0	+3•4	<u>+5·1</u>	+5-0	+2.8	-2-4	-6-9	-10-2	-9-2	-8-4	-4-1	-1.7	+0-8	+3-1	+2.7	+3-9	+4-1	+2.7	+1•9	+2-9
						-								ļ.	-5-2	-0-6	+2.5	+4-9	+8-2	+8-7	+8-3	+6-8	+8•3	+6-4
Equinox	+7.0	+5•8	+5•2	+5-9	+5.7	+6-6	+6 • 5	+4.0	-3•7	-12.9	-22.3	-25.3	-20-6	-14-1					+13-1		+13-0	+10-6	+8-9	+6-9
Summer	+6 • 5	+6•0	+5•7	+6 • 2	+7.0	+5.5	+4.1	-0•4	-8•3	-18-3	-24-9	-26-9	-24-3	-16-5	-5-5	+0-9	+5•9	+10-7	+13-1	+14-0	713-0	710-6	10-9	10.5
									lato c	ST. COM	DONESS M	(OUTE	T DAYS	8)								•		
324	ESKDAL	EMUIR							W.E.S.	or. COW	CNENT	(Ant	T DAIS	,,		,		T	,		· · · · ·	,	19	3 5
January	-5·0	-3·7	γ -0·4	+1·7	γ +2•3	γ +2∙7	γ +2·0	γ +0·8	Υ -2·7	-8·0	-1·0	γ +0•8	γ +4·9	+7·0	+6·2	+6·5 +7·7	+3·7 +3·8	+4·1 +2·3	+3·0 -0·9	-0•7 +0•4	-2·3	-5·9 -3·4	γ -12-5 -4-8	-8·4 -5·6
February March April	-4·6 -7·7 -1·8	-3·5 -3·2 -2·6	+0·7 -4·1 -2·7	-1·0 -5·0 -3·7	-1·4 -4·2 -4·7	-2·2 -4·1 -7·0	-2·0 -7·0 -11·6	-3·5 -11·7 -18·6	-7·0 -15·6 -22·7	-8·1 -13·3 -22·4	-2·5 -6·0 -15·7	+2:1	+9.7 +19.8 +12.7	+13·3 +22·4 +22·9	+11·4 +20·7 +22·9	+14-4	+7·1 +14·2	+2.6	+1·0 +7·1	+1-2	-2·8 +2·5	-2·8 +1·8	-4·5 0·0	-6·2 -1·2
May June	+0.5	-1·8 -0·7 -3·2	-5·1 -1·7 -7·7	-6·2 -2·3 -10·2	-10·6 -10·7 -13·4	-14·1 -19·3 -18·3	-15·8 -25·6 -21·3	-20·3 -30·5 -24·7	-23·1 -30·8 -27·3	-19·8 -24·3 -24·1	-10·6 -8·8 -13·7	+1.6 +7.5 +1.8	+15.0 +22.5 +19.3	+21.6 +26.5 +32.0	+22·0 +26·6 +35·7	+16·8 +20·9 +29·5	+12.5 +15.1 +20.4	+10-8 +10-5 +10-4	+8·1 +7·9 +5·9	+5·6 +6·8 +3·7	+4·5 +4·3 +4·2	+4·4 +2·9 +0·2	+3·2 +1·3 +0·7	+0·9 +2·5 +1·7
July August Septembe		-1·8 -5·5	-5·5 -6·4	-8·7 -9·1	-13·3 -11·0	-15-8 -10-6	-19·4 -12·9	-21·8 -15·8	-20-2 -16-5	-15·3 -13·8	-2·6 -4·7	+11·0 +7·7	+24·4 +20·1	+31·1 +22·7	+26·3 +20·7	+16·8 +15·0	+7·9 +6·2	+2-3	+0·9 +5·0	+4-1 +4-9	+2·9 +2·6	+1.1	-0·7 +0·1	-1·7 -0·3
October November December	-3·3 -5·5 -5·6	-1·2 -2·5 -3·5	-5·3 -2·5 -2·9	-7·0 -2·1 -5·3	-6·5 -3·1 -5·3	-5·7 -2·7 -4·9	-7·5 -4·3 -5·1	-12·4 -4·0 -5·5	-18·8 -5·0 -5·7	-19·4 -5·7 -3·3	-9·9 -2·9 +1·2	+0·6 +4·3 +7·4	+13·4 +10·7 +9·5	+19·3 +12·2 +9·0	+19·9 +11·1 +7·1	+13·0 +7·9 +5·2	+7·4 +5·5 +5·2	+6·5 +4·6 +6·5	+6·9 +1·3 +4·4	+5·9 +1·9 +3·8	+4·1 -0·9 +2·2	+0·7 -4·4 -5·4	-0·1 -6·6 -4·3	-0·5 -7·4 -4·9
Year	-3-3	-2-8	-3-6	-4.9	-6-8	-8-5	-10-8	-14-0	-16.3	-14-4	-6-4	+4-2	+15-2	+20-0	+19-2	+14-4	+9-1	+6 - 2	+4-4	+3.5	+1.7	-0-9	-2•3	-2-6
Winter	-5-2	-3.3	-1-2	-1.7	-1.8	-1.8	-2.3	-3.0	-5-1	-5-0	-1.3	+3-6	+8+7	+10-4	+8-9	+6.9	+4-6	+4-4	+1.9	+1-3	-0-5	-4-7	<u>-7·1</u>	-6-6
Equinox	-3-8	-3.1	-4-6	-6-2	-6-6	-6-8	-9.7	-14-6	-18-4	-17-2	-9-1	.+3•5	+16.5	+21.9	+21-1	+15-3	+8•7	+5•8	+5-0	+4-2	+1-6	-0-1	-1-1	-2-0
Summer	-0-8	-1.9	-5-0	-6.8	-12.0	-16-9		-24.3	-25.4	-20-9	-8-9	+5•4	+20-3	+27.8	+27.6	+21.0	+13-5	+8•5	+5.7	+5•0	+3.9	+2-2	+1•1	+0-9
CHAMMET.	1 -0-0				,	1 "	<u> </u>			L V	<u>,</u>	L	· · · · ·	<u>. ——— </u>					· · · · · ·	•	•	·,	· · · · · · · · · · · · · · · · · · ·	1
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325	eskdale	ette				-			VERTI	CAL C	OMPONE	NT (Ç	UIET I	AYS)						,			19	35
	Υ	Y	γ	Y -0-5	γ -1·0	Y -1-4	-1.5	γ -2·2	γ -2·2	-3·7	-3·2	-3·2	-2·3	+0+2	+2·4	+2·7	+2·4	+2·0	+2·1	Y +2-6	Y +1.6	+1·7	+3•0	+1.6
January February March	-0·5 -0·4 +0·5	-0·4 -0·5 -1·7	-0.2 -1.1 -1.3	-1·1 -1·4	-1·0 -1·3	-0·8 -1·3	-1·5 -1·1 -0·6	-1·1 +0·7	+0·3 +0·2	-0·6 -1·2	-2·6 -5·4	-3·4 -9·7	-2·9 -9·5	-1·8 -6·2	-0·1 -2·7	+2·0 +2·9	+2·5 +6·3	+3·0 +6·6	+3·1 +5·9	+2·4 +5·3	+1·4 +5·5	+1·6 +4·2	+1.9	+0·3 +1·3
April May June	+1·5 +2·0 +2·3	+1·0 +1·2 +2·4	+1.6 +2.1 +2.1	+1.8 +2.9 +2.4	+2·1 +4·7 +3·3	+2·1 +4·0 +4·1	+3·0 +2·0 +3·2	+2·9 +0·4 +2·5	+1·3 -2·2 0·0	+0·1 -4·1 -3·1	-3·4 -7·1 -8·2	-6·4 -12·0 -15·1	<u>-9·7</u> <u>-13·6</u> <u>-15·3</u>	-8.6 -10.5 -10.4	-3·8 -5·6 -6·5	-1·2 -0·5 -1·0	+0°5 +4•0 +4•9	+2·1 +6·0 +5·3	+2·8 +6·4 +5·8	+2.7 +6.1 +5.5	+2·7 +4·4 +4·8	+2·1 +3·6 +4·3	+1.6 +2.8 +3.6	+1·2 +3·0 +3·1
July August	+0·4 +1·2	-0 ¹ 5 +1•4	-0·2 +1·5	+1·5 +2·1	+2·5 +2·9	+2·9 +3·1	+1·4 +2·4	+1·0 +1·6	-1·9 -1·4	-5•0 -2•6	-8·4 -5·5	-10·5 -9·9	-10·8 -10·5	-7·9 -7·9	-3·1 -1·2	+1.8 +2.8 +0.1	+6-6 +5-0 +3-6	+7·5 +5·4 +4·6	+7·8 +3·5 +3·0	+6·1 +2·1 +3·1	+3·2 +1·9 +3·1	+2·7 +0·9 +2·7	+1+6 +0+6 +2+1	+1·3 ·+0·6 +1·1
Septembe October November	-0.2 +1.5 +1.0	-0.2 +1.6 +1.0	+1·4 +0·1 +1·4	+1.6 +0.3 +0.3	+2·1 +1·4 +0·2	+3·7 +2·0 -0·4	+4·1 +2·1 -1·5	+3·8 +3·6 -2·0	+2·0 +3·5 -2·9	-2·0 +2·5 -2·7	-5·2 -3·3 <u>-3·5</u>	-9·6 -7·4 -2·4	-11·9 -7·4 -1·6	-9·3 -6·5 -1·3	-3·7 -4·2 +0·6	+0·6 +1·6	+2.2	+1·3 +1·1	+0•4 +0•8	+0•4 +1•0	+0.8	+1·6 +1·9	+1·6 +2·2	+1·3 +2·2
December	+1.0	0-0	-1.2	-1.6	-1.2	-0-9	-1.0	-0-4	-1.0	-1.2	-0-6	-0-4	-0•4	0.0	+0.5	-0-4	+0-2	+0-1	+0*2	+0•6	+1•6	+2-6	+2•0	+1-8
Year	+0+9	+0-4	+0•5	+0-7	+1.2	+1.4	+1•0	+0-9	-0•4	-2•0	-4-7	-7-5	<u>-8+0</u>	-5•9	-2-3	+0•9	+3-3	+3.7	+3•5	+3•2	+2.7	+2•5	+2•2	+1-6
Winter	+0+3	0-0	-0-3	-0-7	-0•7	-0-9	-1.3	-1-4	-1.5	-2.1	-2-5	-2.3	-1.8	-0.7	+0+8	+1.5	+1-6	+1•5	+1.5	+1•7	+1.5	+1-9	<u>+2-3</u>	+1.5
Equinox	+0+8	+0-2	+0-5	+0-6	+1.3	+1.6	+2-1	+2.7	+1.7	-0.1	-4-3	-8-3	<u>-9-6</u>	-7-7	-3-6	+0-6	+3•1	+3.7	+3•0	+2-9	+3•0	+2-7	+2•1	+1-2
Summer	+1-5	+1-1	+1+4	+2 • 2	+3•3	+3•5	+2•3	+1.4	-1-4	-3•7	-7•3	-11-9	-12-5	-9-2	-4-1	+0+8	+5•1	+6-1	+5•9	+4-9	+3-6	+2-9	+2•1	+2•0

DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE - (INTERNATIONAL QUIET DAYS)

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

	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
MONTH								L	<u> </u>	L	L	L		<u> </u>		L		L	L		J			
AND SEASON					. •									•				1 ·						
						1	DECLIN.	ATION	(meası	red p	ositiv	e towa	rds th	e West	OUI) (QUI	ET DAY	rs)						19	35
	720	5 ESK	DALEMU	IR	ş /		•	, .		,		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		12.50	+1.39	, ,	+0-76	+0-77	+0-59	-0-14	-0-49	-1-13	-2.34	-1.73
January February March	-0.98 -0.93 -1.74	-0-62 -0-75 -0-83	+0.04 +0.14 -0.95	+0·36 -0·27 -1·22	+0.36 -0.37 -1.09	+0·32 -0·57 -1·19	+0.08 -0.67 -1.80	-0.20 -1.03 -2.67	-0.78 -1.63 -3.23	-0.70 -1.54 -2.36	-0·10 -0·16 -0·41	+0.35 +1.06 +2.73	+1 · 22 +2 · 48 +4 · 82	+1.56 +3.08 +5.03	+2·55 +4·19	+1.68 +2.86	+0·79 +1·45	+0-37 +0-53	-0·25 0·00 +0·92	-0·11 +0·13 +0·43	-0·44 -0·65 -0·03	-0-87 -0-86	-1·19 -1·23 -0·48	-1·37 -1·51 -0·78
April May June	-0·73 -0·22 -0·39	-0-84 -0-72 -0-38	-0·79 -1·28 -0·62	-1.08 -1.50 -0.79	-1·27 -2·46 -2·55	-1·79 -3·17 -4·18	-2·71 -3·49 -5·30	-4·04 -4·25 -6·04	-4·46 -4·47 -5·67	-3·87 -3·25 -3·91	-2·03 -0·90 -0·46	+0.77 +1.72 +2.88	+3.88 +4.38 +5.65	+5·59 +6·34 +6·17	+5·10 +4·87 +5·70	+3-85 +3-45 +4-22	+2·72 +2·15 +2·67	+1.70 +1.47 +1.51	+0·85 +0·83	+0-42	+0.38 +0.14	+0-48	+0·26 -0·15	-0.06
July August	-0.66 -0.68 -1.01	-0.93 -0.69 -1.37	-1.86 -1.40 -1.52	-2·37 -2·11 -2·10	-3-07 -3-00 -2-52	-3·99 -3·40 -2·37	-4.58 -4.02 -2.77	-5·06 -4·21 -3·11	-5.07 -3.61 -2.75	-3-90 -2-16 -1-81	-1.51 +0.62 +0.38	+1.74 +3.40 +2.76	+5 · 24 +5 · 93 +4 · 82	+7·24 +6·96 +5·08	+7.23 +5.61 +4.39	+5.81 +3.28 +3.01	+3.94 +1.33 +1.09	+1.71 +0.05 +0.50	+0.62 -0.31 +0.54	+0.21 +0.20 +0.40	+0·15 -0·08 -0·08	-0.51 -0.31 -0.54	-0·32 -0·65 -0·45	-0-79
September October November	-1·00 -1·17	-0-64 -0-43	-1·49 -0·54	-1·76 -0·48	-1·60 -0·73	-1-50 -0-75	-1·88 -1·15	-2·78 -1·01	-3.67 -1.21 -1.05	-3·32 -0·91 -0·41	-0.84 +0.01 +0.59	+1.59 +1.59 +1.66	+3.91 +2.82 +2.33	+4.77 +2.98 +2.03	+4.35 +2.50 +1.58	+2.73 +1.66 +1.12	+1-30 +0-99 +0-97	+1.01 +0.64 +1.13	+0.93 +0.04 +0.66	+0.68 +0.11 +0.46	+0-40		-0·41 -1·58 -0·98	-0.58 -1.70 -1.09
	-1-20	-0-70	-0-65	-1.16	-1.16	-1-11	-1-14	-1.19					+3.96		+4.12	+2.92	+1-68	+0-95	+0-45	+0-27	-0-08	-0-54	-0-79	-0-83
Year	-0-89	-0-74	-0-91	-1.21	-1-62	-1-97	-2-45	-2-97	-3:13	-2-35	-0-40	+1.88		+4.65					+0-26	+0.08				
Winter	-1•07	-0-63	-0-25	-0-39	-0-47	-0-53	-0.72	-0-86	-1-17	-0-89	+0-09	+1.24	+2.21	+2-41	+2•01	+1-47	+0+88	+0.73					-0-64	
Equinox	-1.12	-0-92	-1-19	-1.54	-1-62	-1-71	-2-29	-3-15	<u>-3·53</u>	-2-84	-0.73	+1.96	+4-36	+5.12	+4•51	+3-11	+1-64	+0-93	+0-60		-0-09			
Summer	-0•49	-0-68	-1-29	-1.69	-2-77	-3-69	-4·35	<u>-4-89</u>	-4.71	-3.31	-0.56	+2-43	+5•30	+6-43	+5•85	+4-19	+2 - 52	+1-19	+0.50	+0.32	+0-15	-0-09	-0-22	-0.17
									I	nclina'	TION (QUIET	DAYS)											
327 E	SKDALI	MUIR																					19	35
January	, +0·11	+0.22	+0.16	0-00	-0·21	-0·38	-0·50	-0.54	-0·32 -0·16	-0-16 +0-22	+0-07 +0-43	+0·15 +0·72	+0·17 +0·17	+0-09 +0-25	+0·15 +0·15	+0-08 +0-06	+0·01 +0·03	-0-07 -0-07	0.00	+0.08		-0-15	-0.17	-0-18
February March April	+0.06 -0.10 -0.41	-0·01 -0·24 -0·35	-0.03 -0.13 -0.23	-0·10 -0·24 -0·33	-0·11 -0·27 -0·28	-0·14 -0·45 -0·34	-0·35 -0·41 -0·23	-0·41 -0·19 -0·02	+0·15 +0·56	+0.62 +1.22	+1.68	+0.84 +1.75	+0.53 +1.27 +1.20	+0-14 +0-68	-0.38 +0.15 +0.08	-0.22 -0.28 -0.20	+0.08 -0.40 -0.59	+0.13 -0.61 -0.96	-0·14 -0·70 -0·99	-0.04 -0.69 -0.87	+0.07 -0.69 -0.66	-0-62		-0.23 -0.57 -0.26
May June July	-0·37 -0·33 -0·45	-0·41 -0·23 -0·33	-0·19 -0·29 -0·28	-0·15 -0·33 -0·21	-0·14 -0·28 -0·19	+0·10 +0·05 -0·01	-0.09 +0.33 0.00	+0.06 +0.71 +0.33	+0.59 +1.22 +0.96	+1.21 +1.63 +1.52	+1.63 +1.66 +1.67	+1.52 +1.31 +1.53	+0.72 +1.18	+0.67 +0.38 +0.33	-0·16 -0·60	-0·35 -0·63	-0.60 -0.43	-0·84 -0·49	-0·99 -0·65	-1·17 -0·62	-0·91 -0·90	-0·73 -0·67	-0•47 -0•56	-0·34
August September	-0·35 -0·63	-0·36 -0·25	-0·25 -0·17	-0·26 -0·15	-0·12 -0·15	+0.05 -0.03 -0.31	+0.23 +0.09 -0.30	+0-65 +0-44 -0-07	+0.92 +1.07 +0.55	+1·41 +1·45 +1·17	+1·41 +1·70 +1·59	+1·13 +1·22 +1·75	·+0·67 ·+0·39 ·+1·12	+0.25 +0.05 +0.66	-0.05 -0.14 +0.01	-0·36 -0·25 -0·05	-0.35 -0.23 -0.31	-0•46 -0•36 -0•46	-0.58 -0.63 -0.71	-0.83 -0.76 -0.76	-0.85 -0.76	-0.51	-0• 57 -0• 4 7	-0.68
	-0-36 +0-05 +0-03	-0-45 +0-15 +0-08	-0·45 +0·02 -0·07	-0.33 -0.03 -0.07	-0.23 -0.08 -0.08	-0.23 -0.10	-0·35 -0·09	-0·26 -0·03	-0.25 +0.19	+0·33 +0·36	+0.74	+0·84 +0·50	+0 •66 +0 •37	+0·43 +0·13	+0-18 +0-10	+0·01 0·00	-0·21 -0·19	-0·44 -0·34	-0·30 -0·38		-0·36 -0·31			
Year	-0-23	-0-18	-0.16	-0-18	-0-18	-0-16	-0-14	+0+07	+0-45	+0-92	+1-17	+1.10	+0•73	+0-34	-0•04	-0-18	-0-27	-0-42	-0.51	-0-56	-0-51	-0-41	-0-32	-0-3
Winter	+0-07	+0-11	~ -+0+01	-0.05	-0-12	-0-22	-0-33	-0-31	-0-14	+0-19	+0-41	40-55	+0•42	+0-23	+0-14	+0-04	-0-09	-0-24	-0-17	-0-23	-0-22	-0-05	+0+04	-0-04
Equinox	-0-37	-0-32	-0-25	-0.26	-0.23	-0-28	-0-21	+0-04	+0-57	+1-12	+1.50	+1.39	+0•85	+0+33	-0-09	-0-18	-0-23	-0-32	-0-54	<u>-0-56</u>	-0-50	-0.51	-0-47	-0-48
Summer	-0-38	-0-34	-0-26	-0.24	-0-18	0.00	+0-12	+0•45	+0-92	+1-44	+1-59	+1.37	+0 • 95	+0-43	-0.19	-0-38	-0-49	-0-65	-0-80	-0-87	-0-82	-0-66	-0-55	-0-4
		L		<u></u>		<u></u>		<u> </u>							,									
													70 DAY	·a\										
328 E	SKDAL	EMUIR							HOR.	IZONTA	L FORC	R (COT	ET DAY	.s) ·									19	35
	γ -1·9	γ -3-4	Υ -2·5	Y -0-1	Y +2·7	γ +5•2	+7•0	+7·2	+4·0	+1·1	-2·2	-3·4	-3·4	-1·3	-1·4	-0-2	+0·8	+1·9	+0.5	-0·3	-0-1	-2·4	-6·7 +3·2	-1·5 +2·9
January February March	-1·1 +1·8	0.0 +2.9	+0·1 +1·5	+1·2 +3·1	+1·3 +3·6	+1 · 8 +6 · 2 +5 · 8	+4·9 +5·9	+5·6 +3·1	+2·5 -2·2 -7·8	-3·6 -9·6 -18·1	-7·3 -17·0 -26·2	-11.8 -16.1 -28.3	-8·0 -11·3 -22·5	-4·5 -4·4 -13·4	-2·2 +4·6 -3·7	-0·3 +4·4 +3·4	+0·4 +1·5 +6·1	+2·3 +0·5 +9·9	+1.2 +4.2 +11.5	+3·9 +2·6 +11·2	+4·6 +0·9 +11·2	+2·9 +5·1 +9·9	+5·1 +9·2	+3.6
April May June	+6·7 +6·2 +5·7	+5·6 +6·6 +4·4	+4·1 +3·6 +5·1	+5·6 +3·4 +5·8	+5·0 +3·8 +5·1	+3·0 +0·7	+4.6 +2.1 -3.7	+1·3 -1·7 -9·6	-9·3 -18·1	-19·5 -25·2	-26 · 8 -27 · 7	-27·0 -25·1	-22·8 -16·3	-13·8 -9·5	-3·1 -0·1	+2·7 +4·8	+10·3 +10·8	+16 · 4 +14 · 5	+17.1	+15·2 +19·5	+11·4 +15·3 +14·5	+9.0 +12.4 +10.9	+8·2 +8·2 +9·0	+6·0 +6·1 +8·2
July August	+6·8 +5·7	+4•8 +5•9	+4·1 +4·3	+3·7 +4·7 +2·9	+3·8 +2·8 +3·1	+1·3 +0·4 +1·8	+0·5 -2·5 +0·2		-15·0 -14·1 -15·2	-24·5 -22·0 -22·4	-27·9 -23·0 -27·1	-26·6 -20·5 -21·7	-21·6 -13·9 -10·1	-7·7 -6·5 -4·1	+7·9 +0·3 +0·8	+10·0 +6·3 +3·8	+8·4 +7·0 +4·8	+10•0 +8•8 +6•9	+12·6 +9·9 +10·3	+11·4 +13·2 +12·5	+13·3 +12·5	+10.8	+10·0 +9·2	+8-1
September October November	+9·4 +5·8 -0·3	+3·6 +7·5 -1·9	+3-1 +6-8 +0-3	+5·1 +0·4	+4·0 +1·4	+5•3 +3•2	+5·2 +4·7	+2·4 +3·1	-6·9 +2·6	-16-4 -5-9	-24·8 -12·2	-28·7 -13·2	-20·4 -10·4 -5·6	-12·3 -6·8 -2·0	-1·7 -2·4 -1·4	+1.0 +0.5 -0.1	+5·4 +3·7 +2·9	+7·3 +6·9 +5·1	+10·8 +4·8 +5·7	+11·4 +5·6 +7·0	+9·2 +5·9 +5·1	+8·1 +4·6 +1·0	+7·8 +3·1 +1·3	+8·1 +2·3 +1·0
December	-0-1	-1.1	+0•7	+0-4	+0+4	+1.2	+1.0		-3.2	-5.7	-6-4	<u>-7-5</u>					+5•2	+7.5	+8+8	+9-4	+8-6	+6.9	+5•6	+5.2
Year	+3.7	+2•9	+2.6	+3•0	+3·1	+3•0	+2.5		-6-8	-14-3	-19-1	-19-2	-13-9	-7-2	-0-2	+3.0	l		+3-1	+4.1	+3.9	+1.5	+0+2	+1.2
Winter	-0-9	-1.6	-0-3	+0-5	+1.5	+2-9	+4-4	+4-1	+1.5	-3•5	-7-0	-9-0	-6•9	-3.7	-1.9	0.0	+1.9	+4-1				+8.5	+7•3	+7•7
Equinox	+5•9	+4•9	+3-9	+4-2	+3-9	+4.8	+4-0	+0-4	-8•0	-16-6	<u>-23-8</u>	-23-7	-16-1	-8-5	0.0	+3-1	+4.5	+6-1	+9-2	+9-4	+8-5	10.0		
	1		}	1.				l	1	ļ	1)	}		1		+14-1	+14-8	+13-6	+10-8	+8-9	+6.9

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

	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
MONIMA	0-1	1-2			1-0	0-0				L				<u> </u>	<u> </u>	l	İ		İ		<u> </u>	l	<u> </u>	
MONTH AND SEASON																								
									NO	RTH CO	MPONEN	T (DIS	TURBEI	DAYS)									
	329	ESKI	DALEMU!	CR		- V	•	· v	Υ	γ	· ·	· v	- -	Ιγ	· · ·	·γ	- γ	ΙΥ	ΓΥ	γ	T Y	ΙΥ	Ý	35 Y
January February	-9·3 +2·8	-6·2 +6·3	+0·4 +13·8	+2·5 +10·8	+8·7 +16·1	+10·9 +6·6	+6·2 +17·4	+4-8	+1·7 +5·2	+1.8	-2·6 -9·3	-13·2 -17·9	-14·1 -21·7 -21·8	-9·8 -10·5 -8·9	+2·7 -2·4 +2·7	+2·5 -6·6 -3·7	+3·1 -5·6 +4·8	+5·8 -5·0 +11·1	+6·1 -9·3 +3·5	+2.5 -10.4 +10.4	-1·9 +8·5 +15·1	+1.5 -4.1 +17.6	+3·9 -5·9 +7·1	-8·1 +12·8 +11·4
March April May	+12·6 +5·9 +1·3	+2·0 +5·6 +9·4	-0.8 +4.7 +5.2	+5.0 +13.8 +5.1	-3·4 +11·7 +6·1	+6·1 +7·6 +3·2	+0.5 +1.6 -10.1	-3·0 -5·2 -16·6	-6·8 -23·5 -16·2	-19·1 -27·6 -17·9	-15·5 -51·6 -23·1	-26·9 -46·9 -25·1	-34·9 -16·7	-21·6 -5·2	-9·4 -3·2	+0-3	+20·2 +14·9	+27·2 +12·1	+28·3 +12·9	+28 · 2 +20 · 6	+16.4	+17-6 +15-3 +15-5	+1:5-8	+18·3 +5·2 -7·2
June July	+7·7 +22·7	+5.5	-3·7 +22·9	+3·8 +25·8 +5·3	+1.9 +17.1 +7.1	+4.0 +6.8 +7.2	+0.6 +11.3 +0.6	-9·9 -13·1 -6·3	-22·7 -24·2 -21·5	-31·0 -25·0 -25·6	-34·5 -30·5 -29·0	-33·0 -42·0 -29·0	-16·8 -33·2 -21·9	-26·7 -28·2 -15·8	+5.5 -8.8 -7.5	+14·5 -2·5 +0·7	+33·4 -0·5 +5·4	+35·1 +7·1 +16·9	+44·1 +6·8 +19·8	+31.5 +11.9 +14.7	+11·9 +17·1 +18·1	-8·5 +11·7 +13·8	-5.5 +18.9 +13.9	+5·1 +14·2
August September October	+5·7 -2·3 +9·3	+6·7 +3·2 +6·1	+6·3 +2·9 +6·1	+13·7 +8·6	+10•4 +14•2	+9·5 +17·3	+9•7 +15•1	-11·7 +6·8	-29·8 +0·1	-35·2 -4·2	-33·0 -18·1	-29·8 -23·0	-20·0 -26·6	-8·5 -17·1 -12·1	-7·5 -8·5 -3·2	+10-8 -5-5 -5-6	+24·8 -13·7 -8·1	+24·5 +3·4 -10·4	+14·4 +9·0 -0·5	+4·5 -3·3 -7·2	+13·5 -0·7 +5·7	+22·7 -1·5 +5·4	+16 · 2 +21 · 4 +20 · 6	-3·1 +4·8 +15·5
November December	+1.3	+2.0	+4.6 +2.9	+4.1	+4.1	+12·4 +10·3	+8•5 +8•7	+8·1 +7·5	+5•8	-0·2 +5·7	-11-0	-19·9 -15·8	-19·9 -3·3	-3.4	-4-4	+3.9	-9-1	+0.8	-3.2	-4.2	-1.6	+2.6	+4-3	-4-6
Year	+4•3	+5•7	+5•4	+8•6	+8•1	+8•5	+5•8	-2-3	-10-3	-15-1	-22.5	-26-9	-20-9	-14-0	-3.7	+0-6	+5•8	+10-7	+11-0	+8-3	+10-0	+7•7	+9-7	+5•3
Winter	-3-0	+1.5	+5•4	+5•6	+8•0	+10•1	+10-2	+7•6	+5•3	+1•4	-9-4	-16.7	-14-8	-8-9	-1.8	-1.5	-4.9	-2.3	-1.8	-4.9	+2.7	+1.3	+5-7	+3-9
Equinox	+6-3	+4•3	+3•2	+10-3	+8•2	+10-1	+6•7	-3•3	-15-0	-21.5	-29-5	<u>-31·7</u>	-25-8	-14-1	-5•7	+0•5	+9-0	+16-6	+13-8	+10-0	+11.0	+13-5	+15-1	+7•8
Summer	+9-3	+11-1	+7•7	+10-1	+8•1	+5•3	+0.7	-11-4	-21-2	-24-9	-29-2	<u>-32·2</u>	-22-1	-19-0	-3-5	+3•0	+13·3	+17-7	+20-9	+19-7	+3.6 • 2	+8-1	+8-3	+4-3
												/===		D.1770)										
 330 E	WEST COMPONENT (DISTURBED DAYS) WEST COMPONENT (DISTURBED DAYS) WEST COMPONENT (DISTURBED DAYS)															935								
January		-14·7	-23·7	γ -12•9	-12·7	-0·7	+1.3	Υ +5•5	γ +12•3	γ +15•3	γ +13-4	γ +14·5	+19·6	+29·2	+21·3	+24·5	+11·8	Y +15-1	+10·7	-5·9	-15 [°] 9	-23 ^Y 7	-39·7	-20°2
February March	-31·4 -4·7	-18·9 -9·7	-22·3 -13·1	-22·4 -8·1	-2·8 -9·3	+0.3	+4·3 -8·8	+3·2 +4·2	+9.3	+6.5 -0.1	+12•4 +7•2	+21·5 +14·5	+27·3 +30·3	+29·7 +45·5	+34.7	+26 · 6 +25 · 7	+16·5 +8·4	+12.7	+9·5 -23·1	-7·8 -13·3	-16·1 -13·3	-15-6	-29·5 -15·9	-29·7 -1·6 -14·6
April May June	-24.7	-25-2	-27-7	-2.9	-12·7 -28·0	-17-1	-19-6	-14.5	-15-8	-15-1	-1-2	+13-1	+28·7 +31·2	+36·4 +37·1	+33·9 +48·6	+27·4 +49·5	+29·0 +50·6	+23·2 +50·1	+13·1 +34·4	+13·8 +17·5	+2·5 +0·5	-4·5 -6·4	-9·0 -12·6	-31·2 -15·0
July August September	-14-8	-14-6	-11-7	-9-5	-14-7	-17-1	-18-9	-21.7	-15-6	-8-3	+4.0	+16-1	+27-1	+29-1	+22-5	+16.0	+11.8	+10.9	+9.7	+6.3	+4-4	+1.6	-6.4	-16·1 -6·2 -21·7
October November	-10·2 -26·2	-9·4 -2·4	-11-1	-7-7	-8-3	-7-1	-4.8	+3-0	-7-8	-9-0	-1.6	+12-6	+28-8	+40.3	+52-8									-17·1 -27·1 -23·5
December	-23-7	-23-3																			-7.9	-13-1	-18-7	-18-7
Year	-19-0	-16 • 7	-18-3	-12-9	-11-1	-8-2	-9•0	-7.2	-7-1	-4.1	+2•1	+14.1	+26 • 9	+33.7	+32-2	+27.5	+19•0	+12-8	+4.6	-0-9				
Winter	-26 • 4	-14.8	-17-4	-13-9	-5•4	-0-3	+4•1	+5•0	+6•6	+6•1	+8+2	+16-3		+25.9	+24-4	+22•6	+11.2	+12-1	+6-8	-5.7	-11-4		<u>-28·7</u>	-25-1
Equinox	-9-4	-14.5	-15-9	-13.7	-10-8	-7-5	-8-9	-1.4	-9•7	-5•4	+2.0	+16 • 1	+31.9	+42.5	+39•5	+30•8	+16.6	+0.9	-9•3	-7•4	-15•6	-15.9	<u>-18·4</u>	-13-8
Summer	-21-2	-21.0	-21.6	-11·1	-17-3	-16-8	<u>-22-3</u>	-22-2	-13-1	-13-1	-3.8	+9-9	+27.2	+32-7	+32•6	+29-1	+29•0	+25-4	+16-5	+10-3	+3·1	-1.3	-8-9	-17-1
									VE	RTICAL	COMPO	nent (DISTUF	RBED DA	AYS)									
331 E	SKDALE	MUIR		1		1		Т		Γ	·	r <u>-</u>	ı	T	· · · · · ·					····			19	35
January February	-2·0 -16·0	-6·0 -19·6	-21·5 -29·6	-12·0 -28·3	-11·1 -33·5	-14·2 -27·3	-11.0 -20.2	-9·4 -14·7	-8·3 -11·5	-5·9 -9·5	-3·8 -6·3	-1·0 -3·3	+2·9 +2·0	+5·3 +3·0	γ +9·8 +11·6	+10+5 +20+6	+12·8 +25·3	+10·1 +33·1	+10·1 +39·6	+16.7 +43.5	+17·3 +26·3	+8·4 +16·7	Y +4·5 +4·3	-0·7 -10·7
March April May	-13·4 -13·8 -15·0	-18·7 -26·1 -15·1	-18·8 -29·0 -14·3	-19·5 -30·3 -16·9	-18·9 -25·3 -18·0	-15·5 -23·3 -6·1	-12·3 -13·1 -1·0	-14·6 -8·7 -1·7	-14·3 -4·9 -2·9	-10·2 -5·3 -5·3	-10·7 -3·2 -9·0	-9·4 -2·5 -10·1	-5·4 +0·4 -8·7	+0.5 +8.0 -3.8	+21.8 +19.6 +7.2	+30·1 +33·2 +13·0	+41.6 +32.9 +15.9	+44·2 +37·8 +20·8	+34·0 +38·6 +21·9	+16·1 +29·7 +18·8	+5·7 +24·8 +17·8	-4·0 +3·1 +13·4	-3·3 -17·1 + ·1	-5·0 -20·5 -7·0
June July	-25·0 -8·6	-23·5 -19·7 -7·7	-27·2 -10·1 -7·1	-27-5 -8-6 -6-0	-12·3 -12·7 -4·2	-8·4 -14·2 -2·0	-4·9 -11·4 -2·1	-4·4 -8·0 -1·5	-7·4 -11·7 -2·5	-8·9 -10·4	-10·5 -8·0 -7·4	-13·1 -9·3 -9·4	-12·9 -5·3 -10·7	-4·0 +2·6 -5·3	+9·8 +8·6 +2·5	+30 · 2 +14 · 5 +7 · 2	+41.6 +20.6 +11.4	+40.6 +21.1 +13.2	+40·9 +25·7 +14·7	+31·7 +23·1 +13·7	+18·9 +17·4 +9·9	+7·3 +11·9 +7·6	-14·0 +0·9 +4·0	-17·0 -8·4 -3·4
August September October	-10·7 -29·2 -17·7	-37·6 -17·0	-25·3 -15·4	-37·4 -14·9	-39·5 -15·1	-33·8 -14·6	-21·2 -16·4	-10·1 -15·9	-9·5 -16·1	-4·2 -4·9 -17·6	+2·3 -18·6	-4·0 -15·3	-0• 6 -0• 5	+10·6 +6·8	+24·0 +19·2	+33·5 +44·5	+40·5 +40·3	+43·1 +36·2	+47·3 +29·4	+37·5 +29·7	+25·6 +16·3	+8·0 +3·0	-7·1 -12·6	-12·2 -17·7
November December	-13·8 +3·8	-14·3 +1·6	-13·4 -3·4	-10·1 -8·7	-11.1	-13.2	-11·1 -17·0	-9·9 -20·5	-8•6 -18•0	-7·1 -15·3	-7·0 -11·6	-6·3 -7·5	-5·0 -6·4	-2·1 -1·4	+5·0 +3·8	+15.9	+31·5 +10·7	+31·8 +13·3	+23·3 +21·4	+23·3 +21·7	+10•4	+6·9 +18·7	-3·6 +11·8	-11·5 +2·5
Year	-13-5	-17-0	-17-9	-18-4	-17-8	-15•5	-12-2	-9-9	-9-7	-8-7	-7-8	-7-6	-4-2	+2-1	+11•8	+21•6	+27•1	+28•8	+28-9	+25•5	+17•5	+8•4	-2·2	-9•3
Winter	-7.0	-9•6	-17-0	-14-9	-17-0	-16-9	-14-8	-13-6	-11.7	-9•5	-7.2	-4-5	-1•6	+2-5	+7•3	+13-2	+20-1	+22•1	+23•6	+26 • 3	+18•5	+12•7	+4•3	-5-1
Equinox	-13-5	-24.9	-22-1	<u>-25·5</u>	-24-7	-21.8	-17-0	-12-3	-11-2	-9-5	-7•5	-7•8	-1.5	+6-5	+21-1	+35•3	+38-8	+40-3	+37•3	+28•3	+18•1	+2•5	-10-0	-13-9
Summer	-14-8	-16-5	-14-7	-14.7	-11-8	-7.7	-4.9	-3•9	-6.1	-7-2	-8.7	-10-5	-9•4	-2•6	+7•0	+16 • 2	+22•4	+23-9	+25-8	+21.8	+16•0	+10•1	-0•7	-8-9
											† Se	e page	23								-			

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

	House	G.M.T		T		 		T	7	T			ľ		1	1		1	1		T			
	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
MONTH AND SEASON								,				_		.	/ D= ===	nnne -	AVG\							
	332	eski	ALEMU:	IR		DEC	LINATI	ON (me	easure	d posi	tive t	owards	s the 1	West)	(DISTU	RBED D	AYS)						19	35
•	,	,	,	,		,,,,	, or	+0-88	+2-39	+2.99	+2-84	+3-59	+4-66	+6 - 38	+4-16	+4-82	+2 • 22	+2 • 76	+1.86	-1-31	-3-12	-4-86	, -8·21	, -3·68
March April May June July August September October	-4·45 -6·47 -1·58 -3·23 -5·06 -7·40 -3·24 -3·27 -1·56 -2·52 -5·35 -4·44	-2.65 -4.12 -2.05 -2.45 -5.56 -6.51 -3.82 -3.29 -5.79 -2.21 -0.59 -4.91	-4.81 -5.18 -2.60 -0.14 -5.86 -6.02 -4.43 -2.67 -8.21 -2.54 +0.13 -5.27	-2-73 -5-06 -1-88 -3-14 -0-84 -4-35 -3-61 -2-19 -6-05 -1-99 +0-23 -4-76	-2-99 -1-37 -1-72 -4-74 -2-87 -5-75 -3-65 -3-33 -1-47 -2-39 +1-53 -3-10	-0-69 -0-28 -2-51 -1-93 -3-61 -4-97 -2-18 -3-81 -1-32 -2-29 +0-92 -2-18	-0.05 +0.01 -1.81 -1.37 -3.45 -6.88 -3.96 -3.85 -3.58 -1.71 +0.78 +0.59	+0-14 +0-19 -2-46 -2-11 -6-20 -3-26 -1-72 +0-27 +0-76 +0-76	+1.61 +0.09 -2.38 -2.38 -4.22 -1.72 -2.08 -0.98 -1.57 -0.12 +0.42	+1·40 +0·94 -1·24 -2·16 -2·30 -0·77 -0·40 +1·87 -1·61 -0·62 +0·91	+2.97 +2.23 +0.99 +0.90 -0.27 -0.13 +2.24 +3.71 +0.58 +0.22 +2.29	+5-22 +4-27 +4-25 +3-90 +2-78 +3-07 +4-70 +7-09 +3-69 +2-98 +4-74	+6-59 +7-19 +7-76 +6-63 +7-13 +6-04 +6-57 +8-83 +7-14 +4-48 +4-58	+6·51 +9·62 +6·62 +7·61 +8·81 +7·06 +6·67 +9·88 +8·98 +4·90 +4·91	+7·13 +6·73 +9·23 +7·01 +9·53 +5·60 +4·91 +5·98 +11·08 +5·04 +3·75	+5·70 +5·37 +6·23 +5·57 +9·27 +4·85 +3·19 +5·02 +8·14 +3·70 +4·34	+3-60 +1-45 +2-65 +5-12 +8-56 +4-95 +2-12 +2-32 +5-23 +0-24 +3-96	+2.80 -4.80 +1.62 +4.08 +8.37 +3.15 +1.36 +2.53 -1.92 +0.47 +4.18	+2·39 -4·84 -1·50 +2·00 +4·76 +1·41 +0·98 -1·39 -2·56 -0·45 +2·05	-1.05 -3.20 -2.91 +1.76 +1.97 +0.18 +0.53 -0.87 -0.97 -3.01 +1.76	-3.67 -3.40 -4.13 -0.37 -0.50 +0.20 -0.02 -1.85 -5.40 -2.13 -0.80	-6·59 -4·03 -2·87 -1·67 -0·87 +0·26 -0·36 -2·60 -6·05 -3·25 -3·45	-5.66 -3.56 -3.00 -2.09 -2.27 -2.49 -1.98 -5.62 -5.69 -4.61 -5.81	-6.64 -0.90 -3.86 -6.55 -2.67 -3.51 -1.96 -4.22 -3.69 -6.25
Year	-4•05	-3-66	-3-97	-3-03	-2-65	-2•07	-2·11	-1.33	-0-91	-0.08	+1.55	+4-19	+6・47	+7.50	+6 • 68	+5-52	+3•54	+2•05	+0+39	-0-59	-2.10	-3-03	<u>-4·25</u>	-4.04
Winter	-5-18	-3:07	-3•78	-3-08	-1-48	-0•55	+0•33	+0•63	+1-07	+1-17	+2+08	+4-13	+5•07	+5-67	+5•02	+4•64	+2•51	+2•55	+1•46	-0-90	-2-43	-4.54	-6-07	-5-27
Equinox	-2-22	-3-13	-3·37	-3-27	-2.58	-2.01	-2•12	-0.73	-1-21	-0-01	+1.88	+4-83	+7•73	+9-27	+8•25	+6 • 19	+2•91	-0-64	-2.57	-1.99	-3-69	-3-89	<u>-4·47</u>	-3-17
Summer	-4-74	<u>-4·79</u>	-4-75	-2•75	-3-90	-3•65	-4•53	-3.91	-2.60	-1-41	+0-69	+3•61	+6 • 59	+7-54	+6 • 76	+5•72	+5•19	+4-24	+2•29	+1-11	-0-17	-0•66	-2•21	-3-67
333 ESI	KDALEN	IUIR					,	,	 	INCL	JINATIO	ON (DIS	STURBE	D DAYS)	T .		,	I - ,		· .		19	935
February March April May June July August September October November	+0-95 -0-07 -1-07 -0-49 -0-56 -1-51 -0-40 -0-44 -0-88 0-00 +0-91	+0·50 -0·59 -0·44 -0·84 -0·58 -0·45 -1·76 -0·39 -0·68 -0·67 -0·45	-0·18 -1·28 -0·21 -1·04 -0·25 +0·06 -1·48 -0·40 -0·19 -0·60 +0·14	-0·25 -1·06 -0·68 -1·46 -0·71 -0·60 -1·70 -0·34 -1·39 -0·81 -0·56 -0·19	-0.64 -1.84 -0.10 -1.06 -0.64 +0.02 -1.20 -0.32 -1.58 -1.16 -0.67 -0.29	-1-05 -1-11 -0-60 -0-94 -0-08 -0-09 -0-65 -0-24 -1-39 -1-37 -1-28 -0-85	-0·70 -1·70 -0·20 -0·45 +0·96 +0·38 -0·74 +0·21 -0·91 -1·31 -0·92 -1·06	-0.63 -1.08 -0.24 +0.35 +1.28 +1.06 +0.97 +0.73 +0.70 -0.89 -0.86 -1.68	-0.53 -0.77 +0.11 +1.70 +1.24 +1.73 +1.52 +1.60 +1.94 -0.28 -0.60 -1.05	-0·51 -0·21 +1·90 +1·29 +2·09 +1·54 +1·70 +2·19 -0·02 -0·12 -0·84	-0·14 +0·26 +0·63 +3·41 +1·31 +2·15 +1·95 +1·65 +2·06 +0·75 +0·57 +0·27	+0.60 +0.74 +1.30 +2.85 +1.11 +1.78 +2.44 +1.40 +0.93 +0.99 +0.53	+0.68 +1.03 +0.80 +1.81 +0.42 +0.28 +1.69 +0.73 +0.66 +1.26 +0.90 -0.29	+0-30 +0-40 -0-13 +1-00 -0-34 +1-05 +1-45 +0-44 +0-06 +0-64 +0-40 -0-19	-0·30 +0·11 -0·18 +0·40 -0·15 -0·90 +0·37 +0·19 +0·63 +0·17 -0·06 +0·10	-0.30 +0.50 +0.58 +0.30 -0.08 -1.00 +0.13 -0.13 -0.32 +0.44 -0.48	-0.07 +0.73 +0.57 -0.80 -1.04 -1.95 +0.14 -0.26 -0.91 +1.54 +1.32 +0.58	-0-37 +0-94 +0-70 -1-07 -0-65 -2-11 -0-22 -0-96 -0-83 +0-82 +1-48 -0-06	-0·32 +1·44 +0·99 -0·51 -2·42 +0·05 -1·09 +0·29 +0·30 +0·63 +0·59	+0·55 +1·69 -0·07 -0·98 -1·10 -1·55 -0·27 +0·68 +1·05 +1·32 +0·68	+0.81 +0.35 -0.63 -0.19 -0.76 -0.31 -0.78 -1.01 -0.18 +0.89 +0.04 +0.67	+0·49 +1·22 -1·00 -0·76 -0·61 +0·85 -0·54 -0·74 -1·17 +0·66 +0·05 +0·55	+0·50 +0·97 -0·29 -1·27 +0·22 -1·09 -0·71 -0·84 -1·35 +1·14 +0·46	+0.84 -0.62 -0.83 -1.47 -0.01 +0.29 -0.28 -0.90 +0.25 -0.48 -0.86 +0.74
Year	-0-31	-0-52	-0-50	-0-81	-0-79	<u>-0·81</u>	-0-53	+0•03	+0•55	+0-83	+1-23	+1-34	+0-83	+0 • 42	+0-02	+0-05	-0-02	-0-19	-0-07	+0•10	0•09	-0-08	-0-38	-0-28
Winter	+ó• 4 5	-0-07	-0-49	-0.51	-0-86	-1-07	<u>-1·09</u>	-0-91	-0-74	-0-42	+0-24	+0•72	+0-57	+0•23	-0-10	+0•06	+0-63	+0•50	+0•57	+1-07	+0-46	+0-58	+0-19	+0-02
Equinox	-0-72	-0-66	-0-50	-1-08	-0-98	-1-07	-0•71	-0-01	+0+86	+1 • 26	+1.71	+1.62	+1-13	+0-39	+0-25	+0•34	+0•10	-0•10	+0-16	+0•16	-0-03	-0.57	-0-94	-0-63
Summer -	-0-63	-0-80	-0-52	-0•84	-0-54	-0-27	+0-20	+1-01	+1•52	+1.67	+1.76	+1.68	+0•77	+0•65	-0-12	-0-27	-0.78	-0-98	-0-98	-0-92	-0.72	-0-26	-0-41	-0-23
334 ES	KDALE	I UIR							HORIZO	NTAL 1	FORCE	(DISTU	RBED D	AYS)									19	35
February March April May June July August September October November	Y -14-8 -4-8 +11-1 +2-2 -4-6 -0-8 +19-5 +2-0 -4-2 +6-6 -5-0 -12-2	9.5 +1.6 -0.4 +2.9 +3.1 -2.0 +19.0 +3.6 +3.7 +1.4 -1.7	Y -5·3 +8·1 -3·9 +4·7 -1·6 -10·9 +18·3 -6·7 +3·3 +4·9 -3·3	Y-0.7 +5.1 +2.9 +10.5 +4.3 -1.2.3 +2.3 +6.9 +6.5 +4.5 -0.7	Y +5·4 +15·0 -5·5 +6·4 +2·9 -4·8 +13·3 +3·4 +9·0 +11·8 +6·0 -0·2 +5·2	Y +10.4 +6.5 +3.3 +5.5 -1.0 -1.8 +4.4 +2.9 +15.1 +13.9 +8.0	Y +6·3 +17·9 -1·6 0·0 -14·5 -7·5 +6·9 +3·9 +5·8 +13·5 +9·7 +9·7	Y +6·0 +10·7 -1·9 -8·3 -19·6 -17·5 -17·3 -14·1 +7·3 +9·2 +8·6	Y +4·6 +7·3 -6·9 -27·0 -19·5 -28·4 -27·0 -24·6 -31·9 -1·8 +5·8 +9·0	+5·4 -0·3 -18·6 -29·9 -21·0 -34·7 -26·8 -34·0 -6·2 -0·9 +7·0	+0-7 -6-1 -13-3 -52-0 -22-7 -35-9 -31-6 -18-0 -11-1 -8-3	-9·3 -12·2 -22·7 -43·3 -21·2 -30·6 -24·3 -22·3 -19·3 -17·0 -10·7	Y -9·0 -14·5 -13·9 -26·8 -9·4 -8·9 -27·0 -14·8 -10·1 -18·9 -15·2 +2·0 -13·9	Y -2·5 -3·1 +2·2 -12·0 +3·7 -17·1 -20·7 -8·4 +3·0 -7·0 +6·7 +2·3	Y +7.7 +6.0 +10.7 +1.2 +5.0 +17.0 -2.4 -1.9 -0.6 +4.4 +2.7 -0.1	+8·3 0·0 +2·5 +7·7 +5·9 +25·9 +3·2 +4·5 +17·1 +4·0 -1·4 +9·1	Y +5·8 -1·5 +6·7 +23·9 +21·4 +44·5 +8·1 +28·3 -7·9 -8·0 -4·6	Y +9·2 -1·8 +5·8 +29·9 +17·3 +46·1 +11·0 +19·0 +28·2 +1·2 -10·2 +5·8	Y +8·5 -6·8 -2·1 +27·4 +15·0 +8·7 +21·6 +13·2 +6·2 -1·0 -0·9	Y +1.0 -12.0 +6.9 +23.3 +34.8 +12.5 +15.8 +3.6 -4.6 -11.0 -2.2	7 -5-6 +4-4 +11-5 +12-0 +17-7 +11-7 +11-7 +11-7 -7-1 +3-3 -2-6	Y -4·2 -12·0 +13·4 +12·4 +14·0 -9·8 +12·4 +13·8 +20·3 -8·7 +1·7 -1·4	Y -5-7 -12-8 +3-1 +12-7 +3-3 -8-4 +16-5 +12-0 +10-0 +15-3 +15-8 -2-5	v -12.7 +5.3 +10.7 +14.3 -2.4 -10.6 +1.1 +12.3 -8.2 +0.6 +8.6 -10.1
Winter	-9-2	-2.1	+1-1	+2.1	+6 • 5	+9•7	+10-9	+8•6	+6 • 7	+2.8	-6.2	-12-3	-9•2	-2.5	+4-1	+4•0	-2·1	+0•7	-0-1	-6-1	-0.1	-4•0	-1-3	-2•2
Equinox	+3•9	+0•7	-0.7	+6•7	+5•4	+8+0	+4-4	-4.3	-16.9	-22-2	<u>-28+2</u>	-26 • 9	-17•4	-3.5	+3•9	+7•8	+12.7	+16·3	+11.2	+7•9	+7•0	+9•3	+10•3	+4•3
Summer	+4•0	+5•8	+2•3	+7.1	+3•7	+1-1	-4-7	-16・4	-24-9	-27·3	-29-3	-28-9	-15•0	-10-6	+4•4	+9-9	+19-8	+23-3	+24.2	+21-6	+16.5	+7•6	+5•9	+0•1

† See page 23

Winter

Equinox

335. ESKDALEMUIR

SEASON January	N	W	V	N	W	V												
January						¥ .	N	W	٧	D	I	H	D	I	н	D	I	H
January		1 T	Υ	Υ	Y	Y	Y	Y	Y	,	,	Y	,	•	Y	,	,	
	15.9	29-2	13-0	11.9	19.5	6.7	25-0	68-9	38 - 8	6.20	0.95	12.8	3-90	1.06	13-9	14-59	2.00	25-
February	24-7	35.9	22.8	19.3	21.4	6.5	39.1	68-4	77-0	7-67	1.51	21.4	4.71	1.13	17-4	13-77	3.73	32-4
March	28-0	41.3	25-3	26 • 6	38.0	16.3	44.5	68-6	63.7	9-16	1.42	22-4	8-26	1.46	23.2	14-46	2.37	36 • 1
April	47-3	50-8	22.1	39•3	45.6	12-7	79.9	64-0	68-9	10-64	2 - 76	47-5	10-05	2-45	39.8	13-97	4-88	81-9
May	42.3	47-6	23-3	43.8	45.1	20.0	45-7	67-6	39-9	9-85	2.29	41.4	9-81	2.62	44-1	14-16	2.41	46-0
June	53.1	63-2	30-5	46-1	57.4	21.1	78-6	85-3	69-1	12.98	3-14	56-0	12.21	2.83	47-2	16-93	4-57	86-9
July	45.9	55-0	22.5	41.7	63-0	18-6	67-8	47.3	45-4	11.59	2.65	45-1	12.31	2.57	42-4	11-49	4-20	61.8
August	41-6	52.5	21-5	36 - 8	51.3	15-9	48-8	50-8	25 • 4	11.21	2-54	42-2	11-19	2.26	36-3	10-73	2-79	48-8
September	41.5	47.6	31-8	38.9	39-2	16.0	60-0	86-8	86-8	10-73	2.67	39.0	8-19	2.46	39-6	18-09	3-77	62-3
October	41-1	41.8	23-3	40-0	39-3	11.0	48-0	83-1	63-1	8-99	2-46	36-2	8-44	2.51	40.1	17-13	2-63	34-6
November	26-8	29-4	14.7	21.0	19.6	5.7	40-5	51.3	46.1	6.94	1-64	23-6	4-66	1.28	20-1	11.29	2.74	32-6
December	21.6	30-6	13-7	15-8	15.2	4.2	26 - 1	51.2	42-2	6.77	1.31	18-3	3-53	0.96	14.5	10.72	1.99	21.9
Year	32-4	37-9	18•9	29-6	36-3	11.7	37-9	52.7	47.3	8-16	1-60	30-1	7 - 78	1.73	28-6	11.75	2-15	36-1

43.3

65-8

42-3

6.79

9.25

11.36

1.33

2.10

2-57

18-7

34.2

45-4

3-93

8-65

11.32

0.88

2.06

2-46

MEAN VALUES OF HRH+ VRy*
(Unit 10,00072)

13-4

33.2

41.1

11-74

13.74

12-33

2-16

2.79

2.74

23-2

44.5

53.5

NON-CYCLIC CHANGE+

336 ESKDALEMUIR

21-5

37-4

30-6

43-6

53.5

14.6

23.1

23-9

15.3

34.1

40-9

17.5

40-3

53-2

4.8

13.3

18-6

1935

26-9

48.3

53-1

54.6

60-9

55.0

337	ESK	DAL	EMU	IR

1935

1935

LONGETT .	A	ll Days	3	Qu	Let Day	78	Dist	irbed l	Days
MONTH	H	D	٧.	H	D	٧	H	D	V
January February March April May June	Y +0.2 0.0 0.0 +0.6 -0.4 +0.1	-0.02 -0.08 -0.01 -0.03 -0.02 -0.03	9 -0.2 -0.1 0.0 -0.3 +0.2 -0.1	+2·2 +3·8 +2·7 +5·3	-0-03	-0·7 +1·3 +0·4 -0·9	Y +0·4 -6·6 -4·8 -5·7 -6·9 -9·4	+0.09 +1.94 +0.14 -1.62	+2·0 -2·7 -1·3 +2·5
July August September October November December	+0.2 +0.1 -1.1 0.0 -0.2 +0.2	-0.07 +0.09 -0.19 -0.07 +0.03 -0.04	-0.2 -0.5 -0.1 +1.2 +0.4 -0.2	+3·2 -0·6 +4·3 +4·2	+0.09 +0.06 +0.06 +0.33 +1.15 +0.29	0·6 +2·6 +3·4	+9·9 -2·1 -27·7 -20·2 -6·1 +0·4	-0·75 -3·78 -2·75 -0·46	-3·2 -1·7 +1·2
Year 1935	-	-	-	-	-	,-	-	•	, -

t	See	page	23
×	See	page	181

HRH	VR.	Sum	Mean Character Figure
96	117	213	0-65
97	180	278	0-79
l iii	201	312	0-74
129	183	312	0-70
117	168	285	0-65
158	228	386	0.77
125	160	285	0-58
106	138	244	0-58
156	269	425	0-93
138	229	367	0-90
97	145	242	0-47
98	131	229	0-74
!	and the second		
119	179	298	0.71

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

338 ESKDALEMUIR

wrater 1964

MONTH	Horiz	ontal	Force	Declin	ation	(West)	Vert	ical	Force	North Component	West Component		nation rth)	Total Force
MONTH	a 1	g 6,000	γ4 ^d -59	8.	q 13°+	đ	a 4	4.000	yyd -Kgy	all days-Sy	all days	all	days	all days
	Y	γ	γ /	,	,	,	v	٧	v /	v /	Ý	•	,	•
January	527	535	521	53-9	54.5	52.6	875	874	874	16044	3970	69	46.9	47822
February	525	529	516	53-2	53-3	52.9	879	877	879	16042	3966	69	47-1	47824
March	527	530	523	52-4	52.4	52.5	875	874	875	16045	3963	69	46-9	47822
April	527	532	518	51.2	51.2	52.0	869	869	867	16047	3957	69	46 • 7	47816
May	533	534	531	50-0	50.5	50-1	870	871	865	16053	3953	69	46 • 4	47819
June	533	532	530	49-4	49.3	49-2	869	868	868	16054	3950	69	46.3	47819
July	533	540	529	48-6	48-4	49.2	869	869	871	16055	3947	69	46.3	47818
August	531	532	531	47-4	47.8	47-1	867	867	867	16054	3940	- 69	46 • 7	47815
September	519	523	512	46 • 4	46 • 4	46-0	'868	867	867	16044	3933	69	47-3	47814
October	515	523	506	45-4	45.5	45-4	881	873	893	16041	3927	69	47-6	47823
November	517	521	510	44-1	44.1	43-6	889	888	892	16045	3922	69	47-9	47832
December	516	521	510	43-3	43-7	42-9	895	893	897	16045	3918	69	48-1	47836
Year	525	529	520	48-8	48-9	48-6	875	874	876	16047	3945	69	47-0	47822

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE Values of \mathbf{a}_n , \mathbf{b}_n in the series Σ (\mathbf{a}_n cos 15nt° + \mathbf{b}_n sin 15nt°), t being reckoned in hours from midnight G.M.T.

Longitude of Eskdalemuir Observatory, 3° 12'W

339 ESKDALEMUIR

1935

			Nor	th Comp	onent						Wes	t Comp	onent						Vert	ical C	ompone	at		
Month and Season.	a 1	bl	a 2	b ₂	*3	b ₃	a4 .	b ₄	41	ъ	a ₂	b ₂	a 3	ъз	a4	b ₄	a ₁	b ₁	a ₂	ъž	a ₃	b3	a4	b ₄
Ţ	, Y _	Υ.	Υ	Y	Y	Υ	Y	Y	Y -10•4	Y	* Y	γ.	Y.	Υ.	Y +0*2	Y	Y -0-5	Υ -5•5	-0·6	-0·7	+0*2	-0-8	-0-4	-0-
Jan.	+2·5 +6·1	+1-3	-4·3 -4·6	-0.8	+1-4	-1·4 -1·5	+0.1	-0·3 +1·6	-10.4	-1·3 -4·3	-0.8	+3-1	-0-7	+0.3	+0.5	+1.4	-0.5	-10-0	-3.1	-2.0	+0.4	+0-3	-0-1	-0-
Feb. Mar.	+9·6	-0.3	-0.6	-1.1	+3.0	-2.2	-0-6	+0.6	-12-4	-9-0	+3.1	+8.3	-2.1	-5.1	0.0	+2.2	+0.6	-0-9	-5.7	-0.2	+2.3	+0-8	-0.3	-1.
	+16-2	-4.6	-11.2	+1.1	+3.7	-1.9	-0.1	+0.7	-6-7		+3.0	+11-4	-1.8	-4.3	+1.1	+2.2	+1.2	-6.7	-5.5	-1.9	+1.3	+1.4	-0-7	+0•
	+13-6	-6.0	-9-3	+0.4	+1-5	-0-4	+0.1	+0.7	-7-2		+2.9	+8.7	-3-8	-2.7	+0-4	+0.9	+4-4	-5-3	-6.1	-1.3	+1.2	-0.7	-0-5	-0-
	+14.7	1	-12.0	+3.0	+1.1	-0.1	+1.1	+1-6	-7.9	-22.7	+5-3	+11-2	-3.1	-2-5	+0+5	-0-3	+3-1	-7.1	-9.0	-2.3	+1.4	+0.7	-0-1	-0-
	+16.5	-6.5	-8.7	+1.9	+1.5	-2.2	-1.0	+0-6	-7.2		+5-6	+9-6	-2.8	-3.8	-0-2	+1.0	+3.5	-5-3	-6-0	-0-3	+1.5	+0-4	-0-6	-0-
	+15-6	-6.1	-7-8	+2-3	+0.5	-2.2	+1.3	+1.0	-7-6	-15-1	+8.3	+6-9	-4.4	-2.9	+0.7	+1.4	+3.1	-4-5	-5-7	+0.1	+2.0	-0.9	-0.7	-0-
	+14-9	-4.3	-9.2	+4.0	+1.0	-3.2	+0.2	+0.5	-14-6	-10-0	+4.3	+8+2	-3-9	-2.8	+2-0	+1-4	-1.7	-12.7	-6-6	-2-0	+1-9	+0.7	-1.5	0-0
	+15-0	+1.2	-8-2	10.2	+3-6	-1.9	-0.6	+0-8	-10-3	-6.1	+1.7	+10-3	1-1	-4.9	+1.3	+3.0	-1.6	-9-7	-4.6	+0.6	+1-8	+0.8	-1.3	-0-
Nov.	+8.5	+1.5	-5.4	-2.5	+3-4	-2.1	-0.4	+0-4	-8-1	-2.4	-0.2	+6.5	-2-2	-1.3	+0.3	+2.3	-0.2	-6-7	-2.4	-0-1	+0-1	+0-4	-0-6	-0-
Dec.	+5-9	+1.5	-4.8	-1.1	+1.3	-1.8	-0-6		-10-6	-2.7	-1.4	+3.3	-1.3	-0-4	+0.6	+2.3	+0-8	-6-6	-0.8	-0.7	-0.3	-0-3	-0-1	-0-
200.						-20	-0.0																	
Year	+11•6	-2-4	-7-7	+0•6	+2•1	-1.7	-0-1	+0•7	-9-6	-10•1	+2-6	+7-8	-2•3	-2.7	+0•6	+1-6	+1•0	-7•5	-4-7	-0-9	+1•1	+0-3	-0-6	-0-4
	45.77	امديا	4.7		40.0	1.0	0-4	٠. ٣	-10-4	-2-7	-0.7	+4-8	-1.2	-0-7	+0+4	+1.9	0.0	-7•2	-1.7	-0-9	+0•1	-0.1	-0-3	-0-
Winter Equipox	+5•7 +13•9	+1.8	-4·7 -8·6	-1·4 +1·2	+2·2 +2·8	-1·7 -2·3	-0.4		-11.0	-9.7	+3.0	+9.5	-2.2	-4.3	+1.1	+2.2	-0-4		-5-6	-0-9	+1.8	+0-9	-1.0	-0-
	+15-1	-7.0	-9.5	+1.9	+1.2	-1.2	+0-4	+1.0		-18-0	+5.5	+9.1	-3-5	-3.0	+0-4	+0.8	+3.5	-5.6	-6.7	-0-9	+1.5	-0.1	-0.5	-0-4
· Comment	120-12	-1-0		12.0		-1 ~	15-4	12-0		-10-0			-00											
Year	+10-1	-1.9	-7.0	+0•1	+2•4	-1-4	-0-6	+0-9	-4.2	-10-4	+2.9	+7.1	-2.3	-3.1	+0.7	+1.7	+3-1	-1.0	-0.3	-0-4	+1.4	+0.2	-0.5	-0-
Winter	+3-8	+0-3	-4-1	-1.5	+1.7	-0.7	-0-3	+0.5	-4-4	-3-4	-0.3	+3-7	-1.7	-0-8	+0.4	+1-4	+1-2	-1.6	-0-4	+0-1	+0-4	-0-3	-0-2	-0•
Equinox	+12-3	-1.5	-7.5	+0-5	+3.2	-2.1	-0-8	+1.3	-4-0	-11-0	+2.8	+7.7	-2-5	-4-6	+1.2	+2.1	+3-2	-0-4	-3-5	-1-2	+1.9	+0.5	-0-8	-0-
Summer	+14-2	-4-8	-9-4	+1.1	+2 • 2	-1.4	-0-7	+0.9	-4-1	-16-6	+6•3	+10-0	-2.8	-4-1	+0-5	+1.6	+5-0	-1.2	-5-0	-0-1	+1•8	+0+5	-0-4	-0-
Winter Equinox	+12-8 +5-3 +15-9 +17-0	1	-8·8 -4·9 -10·6 -10·9	+2·4 -0·6 +2·8 +5·1	+1.8 +2.7 +2.4 +3.2	-1·9 -2·4 -3·4 +0·3	-0·4 -2·5 +0·6 +0·6	-0·4 -1·0	-18·9 -21·8 -19·9 -15·0	-11·5 -3·8 -8·7	+0·2 -4·1 +5·3 -0·5	+8·4 +5·3 +11·5 +8·2	-1·2 -0·5 +0·7 -3·8	-3·4 -0·8 -6·7 -2·8	+0·5 +1·1 +0·5 +0·1	+1·7 +2·7 +2·8 -0·3	-3·8 -0·5 -9·0 -1·8	-19·4 -27·5	-11-0	-1·6 -2·6 +0·6 -2·8	+1·0 -0·8 +2·6 +1·1	+1·3 +1·0 +2·7 +0·1	-0·7 -0·2 -0·9 +1·0	+0•

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE Values of c_n , α_n in the series $\Sigma c_n \sin{(15n.T^o + \alpha_n)}$, T being Mean Local Time, reckoned in hours from midnight

ZAO PERDALPATITO

1036

																								
Month			Nort	h Comp	onent				1		Wes	st Comp	onent						Vert	ical C	ompone	nt		
and Season.	ુ	α ₁	c ⁵	α2	6 3	α ₃	c4	α4	c ₁	α1	c ₂	a 2	c ₃	α 3	c ₄	α4	c ₁	α 1	c ₂	α ₂	c ₃	α3	c ₄	α
	Y	0	Y	0	Υ	0	Ý	•	Υ	•	T	0		• 1		0		0		• 1		0		
ľán.	2-8	66	4.4	266	2-0	143	0.3	176	10-5	266	γ 3⋅3	351	Υ 0•7	303	γ 1•4	23	γ 5-6	188	Q-9	224	Υ 0•9	175	0-5	2
eb.	6-8	67	4.7	262	3-0	130	1.7	350	13.2	254	6.4	4	1-8	208	1.7	29	10-0	184	3-7	243	0.5	59	0.3	2
lar.	9.6	95	0-9	270	3.8	136	0-8	331	15.3	237	8-9	27	5.5	212	2-2	13	1.1	180	5.7	274	2-4	79	1.2	2
pr.	16.9	109	11.3	282	4.2	127	0.7	367	15-1	209	11.8	ži	4.6	213	2.5	38	6.8	173	5.9	257	ĩ·9	53	0-7	2
lay	14-8	117	9.3	298	1.6	113	0.7	24	17.3	208	9.2	25	4.7	243	1.0	37	6-9	143	6.2	264	1.4	130	0-5	2
June	17-5	126	12.4	291	1.1	104	1.9	47	24.0	202	12.3	32	3-9	241	0-6	132	7.7	160	9.3	262	1.6	71	0.6	2
July	17.7	115	8-9	289	2.7	154	1.2	315	19.8	205	11.1	37	4.7	226	1.0	2	6-4	150	6-0	273	1.5	85	0-7	2
Aug.	16.7	115	8.1	293	. 2•3	176	1.7	66	16-9	210	10-8	57	5•3	246	1.6	40	5.5	148	5.7	277	2.1	123	0.8	2
Sept.	15.5	109	10.0	300	3-4	172	0.5	32	17•7	239	9•3	34	4-8	243	2-4	67	12-8	191	6.9	259	2.0	81	1.5	2
Oct.	15.1	89	8-2	278	4-1	128	1.0	339	11.9	243	10-4	16	5-0	202	3.2	36	9-9	192	4.6	283	1.9	76	1.3	2
Nov.	8.7	83	5.9	252	4.0	132	0.5	328	8-4	256	6.5	5	2.5	250	2.3	20	6.7	185	2-4	273	0-4	30	0-8	. 2
Dec.	6.1	79	4.9	263	2-2	155	0.7	302	10-9	259	3.6	344	1.4	263	2.4	26	6•6	176	1.1	236	0-4	242	0-3	2
•	NF /			_					1		İ			ŀ										
	ļ ·]	274 316					1			j]										
Year .	11.8	105	7.7	318	2-7	140	0.7	7	14-0	227	8.2	· 25	3•5	230	1-7	33	7-5	175	4-8	265	1.2	87	0-7	2
				,																				
Winter	6-0	76	5-0	260	2-8	138	0-6	331	10-8	259	4.9	359	1.4	248	1.9	25	7-2	183	1.9	249	0-1	137	0-5	2
quinox	14.1	148	8-7	284	3.7	139	0.7	350	14.7	232	10.0	24	4.8	217	2.5	39	9.7	185	5.7	267	2.0	73	1.0	2
Summer	16-6	118	9-6	288	1-7	145	1.1	34	19.5	208	10.6	38	4.6	239	0-9	37	6-6	151	6.8	268	1.5	103	0-6	2
							L				I	لــــــل				1					·····	L		
	125 2						****														a			
Year	10.3	104	7-0	277	2-8	129	1.1	341	11.5	205	7-7	29	3-9	226	1.9	36	3.3	111	3.0	268	1-4	90	0-6	2
Vinter	3.8	89	4-4	256	1.9	121	0-6	339	5-6	236	3.7	1	1.9	253	1.5	28	2.0	147	0-4	293	0.5	140	0-3	2
Equinox	12-4	100 111	7·5 9·5	280 283	3-9	132	1.5	343	11.7	203	8.1	26	5-2	219	, 2.5	44	3.2	100	3.7	258	1.9	84	1.0	2
Summer	14.9		9.9	283	2-6	131	1.1	337	11.1	197	11.8	39	4-9	224	1.7	28	5-2	107	5.0	275	1.9	83	0-8	2
	120.0	305																		T		. <u></u> T		
ear inter	13·2 7·1	107 51	9·1 4·9	346 224	2.6	145	0.5	257	22-1	242	8-4	8	3.6	209	1.8	30	21.3	193	8.8	266	1.6	47	0-7	2
duinox	16.9	112	11.0	291	3.7	141	2.5	273	22-1	263	6.7	329	0-9	223	2-9	34	19-4	185	5.1	246	1.3	332	0-5	3
gumer Quinox	19-1	121	12.0	301	4·2 4·3	154 57	1.1	163 55	21.7	250 217	12.7	31	6·7 4·7	184	2·9 0·3	22 167	28-9	201	11.1	279	3·7 1·1	55 94	0•9 1•0	34
		-		***	T-0	51		90	40°'	GL(1 0.K	3	4.1	243	0.3	10/	16-2	190	10.7	YOT.	7.7	248	7-0	0

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Lat	Latitude Longitude			L			1935			L			1934						1933		
							lina- ion		lina-	Hori- sontal Intensity	Vertical Intensity		clina- tion		clina- tion	Hori- sontal Intensity	Vertical Intensity		olina- tion		clina- tion	Hori- sontal Intensity	Vertical Intensity
			N						N						N ,				,		H ,		
Godhavn, Greenland		69	, 15	53	30W	56	, 13•8W	81	34.2	8193	7 55284	56	/ 30∙4₩	81	33.7	08209	55330	.56	48 • 2W	81	33.6	08219	55389
la		67	22	26	39E	3	23-3E	76	17-9	12050	49329	3	12·7E	76	15.1	12081	4931.2	3	3-8E	76	11-6	12111	49284
la .:	•••	60	8	1	11W	13	9•5W	72	49-9	14446	46758	13	21·9W	72	48 • 4	14463	46744	13	34 • OW	72	44.6	14477	46605
	•••	59	41	30	29E	4	38•4E	72	2-2	15370	47404	4	30•5E	71	58 • 6	15405	47348	4	24-1E	71	55 • 7	15433	47299
	•••	5 9	21	17	50E	2	11·4W	71	41.6	15405	46562	2	20-8W	71	39 • 5	15432	46548	2	30.6W	71	36 • 5	15459 15450	46494 55118
	•••	57 56	3	135 61	20W 4E	30 12	2.8E 51.5E	74 72	20•1 17•8	15450 16210	55093 50781	30 12	5•6E 50•4B	74	20.5	15454 16248	55129 50727	30 12	8 • 515 50 • OE	74 72	20·5 11·3	16279	50676
a	:::	55	44 51	12	27E	5	8.8M	69	29.6	16804	44927	1 5	19.38	69	26 - 9	16824	44875	5	29·6W	69	25.0	16839	44838
Denmark	•••	00	01		215	ľ	0 0	-				ľ	10 011	"						"			
		55	5 0	48	51E	9	15•4E	70	53.9	16804	48523	9	13.2E	70	51-6	16844	48505	9	11.3E	70	47-8	16870	48434
Eskdalemuir, Scotland		55	19	3	12W	13	48 - 8W	69	47.0	16525	44875	14	0.6M	69	45.9	16536	44859	14	12.1W	69	45.2	16558	44890
	•••	54	37	113	21W	26	8 • 2E	77	53•6	12732	59358	26	15.3E	77	53.5	12736	59367	26	21•9E	77	54.0	12736	59411
	•••	54	36	18	48E	2	25 · 2W	v.a.a		17530	* 4 4 0 3 3	2	35·5W	*68	25 • 2	17553	*44384	١.,٠	16·5W	*68	49-0	17169	*44296
, , ,		53 52	51 28	104	28W 2E	12	53.2W 4.2W	*68 71	50•7 24•2	17148 19008	*44311 56492	13	4.9W 1.0E	*68 71	49·0 23·1	17163 19013	*44279 56447	13	5.1E	71	16-0	19013	56409
l = .*.' =	•••	52	7 7	21	15E	ľ	4.54	71	24.5	18000	30492	١ ٠	TOE	1 1-	£3-1	19013	30441	ľĭ	31.9W	67	9.3	18420	43724
		52 52	6	5	11E	8	31·9W	67	5-4	18244	43169	8	43-OW	67	3.7	18254	43132	1 8	53·1W	67	3.0	18258	43115
l		52	4	12	41E	4	54.977	66	49•4	18477	43159	5	5 • 2W	66	46 - 9	18491	43106	5	15·1W		••	•••	
Valentia, Cahirciveen, Ireland		51	56	10	1.5W	*16	32 · 7W	* 67	57.4	*17804	*43969	*16	43·7W	*67	57.5	*17812	*43993	*16	54.5W	*67	57-9	*17811	*44005
Bochum, Germany		51	29	7	14E					Ì		7	52•4W		••	•••	•••	8	2.8W		••	••••	
	•••	51	11	0	23W	11	30·3W	66	40•9	18527	42981	11	41·1W	66	39•7	18533	42955	111	51.7W	66	39 • 4	18532	42942
	•••	50	48	4	21E	١.,				10040	43.000	9	18.3W		****	19643	41629	10	28 • 9W 27 • 4W	64	44.2	19639	41615
	•••	48 48	49 12	12	1E 14E	10	6.7W	64 63	45·4 38·1	19642 20486	41658 41333	10	17•5W 25•8W		44·3 34·4	20501	41252	3	35·1W	63	32.7	20507	41213
la. £ 2 a 11. aa		47	53	16	112	2	32.7W	03	30.1	20400	41333	2	42.5W	03	34.4	20301	31202	2	51.3W	٠.	J		
		47	15	1	34W	۱ũ	13.5W	63	42.8	20245	40989	lıĩ	22-9W	63	43.1	20245	40995	ıī	33 · 4W	63	44-4	20250	41045
l '		43	47	79	16W	7	37-4W	74	48 • 9	15391	56708	7	37-8W	74	47-9	15423	56762	7	37•7W	74	47-4	15453	56836
	•••	41	50	44	42E	l						4	26 • 5E	58	40.9	24574	40388	4	25 • 4E	58	37-1	24576	40291
	•••	40	49	0	30E	9	37•3W	57	22-6	23466	36659	_ 9	45.5W	57	22.7	23456	36646	_9	54·3\	57	23-0	23436	36622
	•••	40	12	8	25W	*13	14.8W	*57	31.4	*23269	*36553	13	22.1W	*57	41.2	*23230	*36720	*13 7	28 • 8W 6 • 2W	*57 71	45·8 12·8	*23235 18432	*36849 54186
	•••	38 37	44	76 25	50W 39W	1 7	6 • 4W	71	15-9	18346	54090 39690	7 18	6 • 9W 8 • OW	71 *59	14·1 32·5	18385 *23394	54116 *39782	18	12.5W	*59	35.3	*23374	*39822
	•••	36	46 28	8	39M 12W	18	1.9W	* 59 *53	28·3 11·2	*23405 25258	*33747	12	1.9W	*53	15-6	*25190	*33748	12	8.1W	*53	21.1	25148	*33806
l		36	14	140	11E	5	49.5W	49	30.9	29719	34822	5	47.1W	49	29.5	29720	34788	5	45 • 5W	49	28 - 7	29723	34775
ا سه د ۱ مست		36	4	120	19E	4	36 · 4W	52	5-5	30921	39707	4	34·9W	52	5.1	30920	39696	4	34-1W	52	5.2	30901	39675
l = ~ i		32	15	110	50W	13	52.2E	59	40 • 4	26259	44889	13	52•4E	59	39.8	26294	44933	13	52•2 E	59	39-8	26319	44972
	•••	31	19	121	2E		••		• • _		-::-	٠.	••		• • • •	•••		3	35 · 4W	45	23.7	33329	33791
	•••	31	6	121	11E	3	24·3W	45	31.5	33267	33881	3	24.6W	45	30-9	33254	33858	3	24·7W	45 45	30 • 7 38 • 2	33257 33056	33857 33798
	•••	30	19	78	3E	٥	56 • 7E	45	39•3	33140	33894	1	O.OE	45	39•0	33087	33847	1	2•8E	40	30.2	33000	33790
India. Helwan, Egypt		29	52	31	21E	٥	9-21	41	53-9	30258	27147	٥	5.OE	41	50-2	30223	27057	۱۵	0-6E	41	49.3	30180	27004
` ````` \		22	27	114	3E	ŏ	41.5W	30	31.0	37584	22153	١ŏ	42.3W	30	31.5	37557	22145	١ŏ	43.0W	30	32-4	37546	22151
		21	19	158	4W	10	9 · 7E	39	10.0	28534	23244	10	7 · 7E	39	12-2	28544	23283	10	6.0E	39	16.3	28543	23339
l = . '		19	45	99	11W	9	37.5E	47	9.0	31007	33425	9	36 • 1E	47	7•3	31017	33403	9	33.8E	47	5.2	31047	33395
	•••	18	38	72	52E	•	17.7W	25	29.5	37524	17892	0	16 · 2W	25	29•9	37462	17867	0	14.5W	25	30.4	37408	17848
	•••	18	23	66	7W	5	24·1W	52	46 • 4	27297	35927	5	19•7W	52	43.5	27322	35898 *10851	* O	13.0W 29.3E	52 *15	38·1 48·8	27350 *38276	35817 *10841
Antipolo, Philippine Is.	•••	14	36 S	121	10E	* 0	32·2E	*15	48 -6 S	*38318	*10850	* 0	30•5E	*15	49•1 S	*38302	×10091	r٠	ZS-SE		90°0	-30210	-10041
Batavia (Kuyper), Java		6	S 2	106	44E	* 1	9•2E	*32	20•8	*37035	*23455	* 1	6-6E	*32	20•6	*37001	*23430	1	5 - 2E	32	21.6	36891	23376
Datavia (Mujper), vava	•••	٠	٠.	100	440	ļ · ·	0 · mb		N N	-31030		_	0 02		n To U	5,552		-			N		
Huancayo, Peru		12	3	75	20W	7	15·2E	2	11.2	29612	01130	7	18-1E	2	8.5	29622	01107	7	21·4E	2	3.4	29614	01077
		_		l		İ			S			١.,			8		00==0	١,,	00 - 079		S 30.4	25005	#00E14
	•••	13	48	171	46W	10	36.1E	30	26.3	35020	20587	10 12	42.2E	*30 52	22-4	35048 22542	20556	10	39·2E 37·2W	*30 52	18•4 43•8	35095 22562	*20514 29649
	•••	20 22	6 6	57 65	33E 36W	12	59•6W	52	48 • 6	22529	29690	12	50-9W	52	46.5	22542	520.LT	12	16.7E	12	21.2	26223	05743
		22	24	43	36W	13	17-1W	17	46.8	24155	07703	13	10.9W	17	37-8	24010	07646	13	4.7W	17	28-6	24040	07579
l		30	19	115	52E	3	42.5W	64	21.0	24672	51379	3	47.8W	64	20-1	24669	51340	3	53 · 4W	64	19-8	24659	51307
		31	40	63	53W	5	53·5E	26	3.7	24456	11961	5	59 • OE	25	59-2	24516	11950	6	5.0E	25	55-9	24559	11942
		33	57	18	28E	24	34.3W	63	20.8	14858	29605	24	36 • 6W	63	14.6	14955	29664	24	39•9W	63	9•4	15055	29739
Toolangi, Victoria, Australia	•••	37	32	145	28E	* 8	36 • 7E	* 67	48-6	*22928	*56199	8	33.8E	*67	49-2	*22909	*56193	8					56190
Christchurch (Amberley), N.Z.	•••	43	10	172	43E	18	6•3E	67	59•7	22317	55223	18	3-0E	67	59•1	22331	55230	18	0.1E	67	58•7	22339	55232
Capetown, S. Africa Toolangi, Victoria, Australia		33 37	57 32	18	28E 28E	24 * 8	34·3W 36·7E	63 *67	20•8 48•6	14858									39.9W 31.2E 0.1E	63 67 67	9•4 50•0 58•7	15055 22892 22339	

Notes .- *Results derived from absolute observations only.

† A local anomaly is known to exist at the site of the observatory.

Godhavn) The values of Inclination and Vertical Intensity depend upon direct measurement of the vertical component of the earth's field.

Abinger)
Lerwick.- A discontinuity occurs at 1934 January 1 in the values of Inclination and Vertical Intensity, owing to an instrumental change.

Ebro, Tortosa.- The values are derived from International Quiet Days only.

Cheltenham. 1935.- The results relate to the seven months January to July.

Mauritius. 1933.- The results relate to the eight months January to August; 1934, to the seven months June to December.

Apia.- 1934 Vertical Intensity. The result relates to the six months July to December; 1935 Declination, to the eight months April to December.

342 REVISED VALUES FOR EARLIER YEARS

	Latitude	Longitude		1932				1931				1930				
			Declina- tion	Inclina- tion	Hori- zontal Intensity			Inclina- tion		Vertical Intensity	Declina- tion	Inclina- tion		Vertical Intensity		
	o ′	0 /	۰ ,	0 / N	γ	Y	0 /	o ′	Y	. У	0 /	o /	Υ.	Υ		
Zouy, Siberia U.S.S.R Coimbra, Portugal	52 28 40 12	104 2E 8 25W	*13 36·2W	57 43.7	*23202	36730	0 14·3E	71 22.5	19029	56460	0 17 7E	71 21.5	19019	56380		
Toolangi, Victoria, Australia	S 37 32	145 28E	8 27·8E	S 67 50∙8	22882	56199					,					

Erratum 1934 Year Book.

Helwan ... 1933 Declination; for W read E.

Air Ministry METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1935

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

VALENTIA OBSERVATORY

Published by the authority of the METEOROLOGICAL COMMITTEE



LONDON
HIS MAJESTY'S STATIONERY OFFICE
1937

VALENTIA OBSERVATORY

Latitude	• •	• •	• •	510	56' N.	
Longitude	• •	• •		100	15' W.	-74
G.M.T. of	Local Mear	Noon	• •	12h	4lm.	

Heights in metres above Sea Level.

Barometer	• •	• •	• •	13.7
Rain-gauge	• •	• •	• •	9-1
Robinson Cup	Anemog	graph	• •	26
Dines Pressu	re Tube	Aneme	ometer	30

Heights in metres above Ground.

Thermometer Bulbs	• •	• •	1.3
Sunshine Recorder	• •	• •	12.8
Robinson Cup Anemog	raph	• •	14
Dines Pressure Tube	Anemo	meter	13
Beckley Rain-gauge	Rim	• •	0.5

INTRODUCTION.

SITE

Valentia Observatory derives its name from the fact that it was originally established on Valentia Island in 1867. It was removed to the mainland in March, 1892, and now lies in a direct line between the old site on Valentia Island and the town of Cahirciveen, about 2 miles (4 km.) northeast from the former, and three-quarters of a mile (1 km.) south-west of the 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 $3\frac{1}{2}$ 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 $(\frac{1}{2}km.)$ 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 amile south-east of the Observatory it culminates in the hill Bentee upwards of 1,245 feet (380 m.) in height. further south it opens out once more to a distance of nearly 5 miles (8 km.)

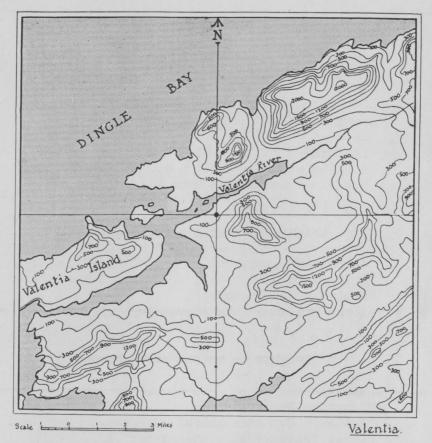


Fig. 15.—Contoured map showing surroundings of valentia observatory. (The heights are given in feet above Irish ordnance datum).



Fig. 16.—General view from S. (the observatory building is in the centre of the photograph).

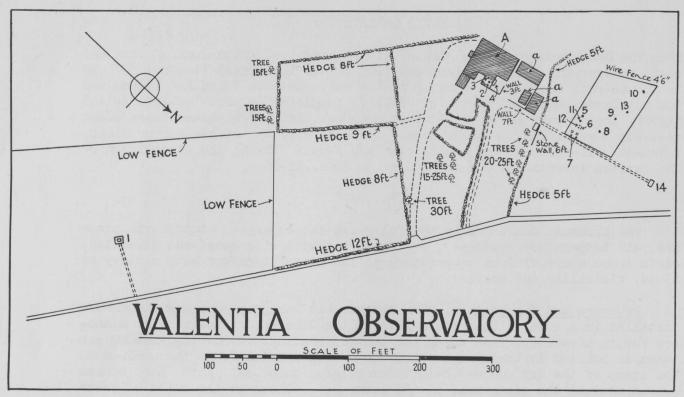


FIG. 17.—SITE PLAN.



Fig. 18.—View of instrument enclosure from N.W.

- -OBSERVATORY BUILDING.
- OBSERVATORY BUILDING. a.—SHEDS.
 -DINES PRESSURE TUBE AMEMOMETER. 2.—ROBINSON CUP ANEMOGRAPH.
- -Campbell stokes sunshine recorder on observatory tower.
- North wall screen containing bulbs of photo-thermograph and standard control thermometers.
- -Beckley autographic raingauge and 8 inch control raingauge.

- 6.—Grass minimum thermometer.
 7.—Experimental and stevenson thermometer screens.
 8.—Jardi rate of rainfall recorder.
 9.—Besson comb nephosocope.
 10.—Evaporation gauge.
 11.—Dines tilting syphon raingauge.
 12.—Earth thermometers.
 13.—Check raingauge.
- 14.—Hut for absolute magnetic observations.

from the Observatory, where there is a range of hills running east and west, and varying in height from 400 (120 m.) to 1,300 feet (400 m.). To the south-west there is an opening to the sea, between Valentia Island and the mainland; and the circle of hils is completed by those on the island itself, the highest of which is about 800 feet (240 m.) high, and bears about west-south-west from the Observatory. A contoured map of the surroundings, a general view from South, a site plan and a view showing the disposition of the various instruments are reproduced in Figs. 15-18.

METEOROLOGY

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

Pressure and Temperature. The photographic barograph and thermograph are installed in a room on the ground floor of the Observatory tower. The standard Fortin barometer, from which the control readings at 9h. 15h. and 2lh. 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 2lh. are taken.

Rainfall. - The Beckley rain-gauge and 8-inch (20.3 cm.) check gauge are placed in a railed-off enclosure about 40 metres to the north of the tower.

Sunshine. The recorder is cemented to a wooden rail on the roof of the tower. The exposure of the sunshine recorder is such that there is no appreciable loss of record due to obstructions in the months of May, June, July and August. During the remainder of the year the hill Bentee lying to the south-east cuts off early morning sunshine. The reduction in possible record, assuming that the recorder becomes sensitive to sunshine only when the sun is at an altitude of more than three degrees, is shown in the following table for the 1st and 15th of each month:-

I	Reduction in Possible Record in Tenths of an Hour.												
Month.	Jan.	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.	Dec.					
1st 15th	hr. •5 •6	hr. •5 •5	hr. •7 •7	hr. •5 •3	hr. •3 •5	hr. •7 •7	hr. •5 •5	hr. •6 •5					

Wind, Speed and Direction. Up to 1925 measurements of wind speed and direction as given in tables 413-424, were obtained from the Robinson cup anemograph on the roof of the Observatory tower. From 1926 to 1931 measurements of wind speed and direction refer to records from an old pattern Dines Pressure Tube Anemometer. A comparison between the mean velocities as recorded

by this anemometer and the cup anemograph is given in the General Introduction. A new Dines Pressure Tube Anemometer with 1 -inch connecting pipes, was brought into use as from January 1st 1932. The new instrument was erected alongside the old instrument with its head at the same height: a comparison extending over the period May, 1931, to January, 1932, showed that the new instrument recorded higher velocities than the old. In hourly mean values the difference was nearly uniform and equal to ·4 m/s or 1 mi/hr. In gust velocities the increase was approximately 12 per cent of the velocity recorded by the old instrument.

The site of the Dines Pressure Tube Anemometer is in an open field, about 250 metres S E by E of the Observatory tower. About 1 mile ($l_2^{\frac{1}{2}}$ km.) to the south-east is the highest point (1,245 feet) of the hill Bentee which extends for some little distance in a northerly and south-westerly direction. A description of the surrounding country has already been given.

In a few instances where records of the Dines Pressure Tube Anemometers have been defective, the required values have been obtained from the records of the cup anemograph, a suitable adjustment of such values having been made in accordance with the table in the General Introduction showing the effect of exposure on the two instruments. Values thus obtained are entered as interpolated values.

<u>Farth Temperature.</u> 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.

<u>Visibility</u>.- Lists of the objects used for visibility observations and their distances and bearings from the point of observation are given in the following tables.

Bearing

LANDWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY.

of object Indication Standard Actual Description of object. letter of distance distance in degrees from N. object. of object. of object. Metres Metres 25 25 350° Gate near workshop. A 3450 White post in fence of В 50 50 instrument enclosure. C 100 100 1250 Hedge at S.end of vegetable garden. D 330° Notice board on beach, 200 200 E 500 1000 Bungalow. 475

LANDW	ARDS VISIBI	LITY OBJECTS		OBSERVATORY (Contd.)
Indication letter of object.	Standard distance of object.	Actual distance of object.	Bearing of object in degrees from N.	Description of object.
F	Metres. 1,000	Metres. 1,100	500	Parsonage.
G	2,000	1,910	550	Wireless school.
Intermediate object.	•	3,500	200	Top of Castlequin Mountain.
h	4,000		•	No object available. (Top of Castlequin well visible.)
I	7,000	7,600	400	Top of Knocknadober Mountain.
J	10,000	10,000	2200	Kilkeaveragh Mountain.
Intermediate object.	-	17,000	550	Drung Hill.
k	20,000	•	-	No object available. (Drung Hill well visible).
1	30,000	- ,	-	No object available.
m	50,000	400	-	No object available.
	SEAWARDS VI	SIBILITY OBJ	ECTS AT VALE	NTIA OBSERVATORY.
F	1,000	1,000	235°	Farmhouse on skyline.
G	2,000	2,200	265°	Laght Point:
Н	4,000	3,760	2 80°	Black Rock.
I	7,000	6,500	2500	Ridge between two hills on Valentia.
J	10,000	10,000	22 0°	Kilkeaveragh Mountain.
k	20,000	-		No object available.
Intermediate objects	-	23,500 25,500	320° 325°	Mount Eagle. Croaghmarhin Mountain.
1	30,000	-	•	No object available. (Croagh-marhin well visible.)
m	50,000	-	•	No object available. (Croagh-marhin exceptionally visible.)

Two observations, one in a landwards direction, the other in a seawards direction, are made at each hour of observation. The position of the Observatory is such that a distinction between visibility landwards and seawards cannot be made when the range of visibility is less than 1,000 yards. Objects corresponding with the letter A to E have therefore been included in the table of landwards objects only. Kilkeaveragh Mountain is used as both a landwards and seawards object corresponding with J.

Entries of "1" 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 1935. Generally, the weather was variable with rainfall below normal and sunshine and temperature above the average. January, March, July and December were notably dry and June and November abnormally wet.

<u>Pressure.-</u> No change in the values used for reducing pressure at station level to pressure at mean sea level was made at Valentia Observatory by the introduction in 1928 of the revised scheme as set out in the General Introduction.

Mean Pressure for the year was 0.8 millibars below normal. Of the monthly mean pressures five were higher and seven were lower than normal. The departures ranged from an excess of fifteen millibars in January to a deficiency of eleven millibars in November.

Details of the Fourier analysis of the diurnal inequalities of pressure for the year are given in Table A, together with normal values referring to the period 1871-1926 as computed by Dr.A.Crichton Mitchell.* The coefficients are given to the nearest ·Ol mb. and the phase angles to the nearest lo.

Temperature.- Mean temperature for the year 1935 was 0.50A.(0.90F.) above normal. For the individual months, March, with an excess of 2.60A.(4.70F.) and December with a deficiency of corresponding amount showed the greatest departures.

^{*}Diurnal Variation of Pressure and Temperature at Cahirciveen (Valentia) by A.Crichton Mitchell D.Sc., 1871-1926. Q.J.R. Met. Soc. 1929. p.310.

The harmonic analysis of the monthly and seasonal diurnal inequalities of temperature is given in Table B. together with normal values referring to the period 1871-1926 as computed by Dr.A.Crichton Mitchell.* The coefficients are given to the nearest \cdot 01°A and the phase angles to the nearest 1° .

Rainfall. - The total rainfall for the year was 1304 mm., this amount being 110 mm. below the normal. A record dry January (27 mm.) and a record wet June were notable contributions to a variable year.

Bright Sunshine. - Sunshine was slightly in excess of normal the increase reaching 35% in May. May with a total of 256 hours (53% of possible) was the brightest and January with 37 hours (15% of possible) the dullest month.

Cloud and Weather. The mean amount of cloud at all observation hours was 7.5. The most cloudy month was January with mean cloud amount of 8.5. The month with least cloud was May with a mean of 5.7.

<u>Visibility</u>.- The observations of visibility in tables 429-440 refer to visibility in a landwards direction. The observations, when the range of visibility seawards differs from the range landwards, are shown in the following tables:-

TING CAD.	165:-			1 1					F
Date	Hour		Visibility		Dat	e	Hour	Visibility	Visibility
		Landwards	Seawards					Landwards	Seawards
Jan. 2 2 8 8 0 1 2 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13 15 15 16 17 17 18 19 13 18 19 13 18 19 19 19 19 19 19 19 19 19 19 19 19 19	JJJG AJJHHJJ JJHHJJ JJ X KKJJJ KHKKKHHA KAHHJA	имин симнили имними им и рупим рирърнис псинли		Aug. n n n n n n n n n n n n n	28 1555679 06 4561369488 2933773 78977 3 5 2 2 3 7 112 2 2 7	98 97315578 98 18379589779 1881 91 91 18 18 18 18 18 18 18 18 18 18 18 18 18	אל ברנים בר של ארא ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ברנים ב	IF KGJJIHG 1k 1117kk1Gkk KGKKKKK KHJGG KKKKKJ

*Diurnal Variation of Pressure and Temperature at Cahirciveen(Valentia) 1871-1926 by A. Crichton Mitchell D.Sc., Q.J.R. Met. Soc. 1929, p.310.

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1935.

Standard Fortin Barometer	M.O.	463		
Standard Dry Bulb Thermometer	M.O.	1701	Correction	ns Nil.
•				(255°-266°+ •2°
				(2670-2680+ •10
Standard Wet Bulb Thermometer	M.O.	1702	Correction	ns (269°-272° Nil.
				(273° and above,1°
				•
Recording Beckley Rain-gauge				
Jardi Rate of Rainfall Recorder	M.C.	3		
Control Rain-gauge	M.C.	258		
Glass for Control Rain-gauge	M.O.	1572	& 1737	
Campbell Stokes Sunshine Recorder	M.O.	5		
Robinson Cup Anemograph	Beck	46	•	
Dines Pressure Tube Anemometer	M.O.	1084	/30	
		·		(2·0°F ·3°F. (12·0°F ·2°F.
	(M.0.18)	090/29	((12·0°F ·2°F.
Grass Minimum Thermometers	(M.0.18)	136/29	corrections	(32.0°F. Nil.
		•	((52.0°F. Nil.
			((72.0°F. Nil.
· · · · · ·	•• • •		(;	260°A. + •1°
Earth Thermometer 1 ft.	M.O. S) Cor	rections (280°A and above, Nil
			(;	273°A Nil.
Earth Thermometer 4 ft.	M.O.24	1005 Co	rrections (278°A ·1°A.
	0 3 10		•	283°A and above, Nil
			ζ,	

All thermometer corrections are applied before tabulation.

Month		'n	. (1 1	,	22	ď	[[] 2	,	°3	C	1 3	,	C4	(14
or Season	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926		1871- 1926	1935	1871- 1926		1871- 1926	1935	1871- 1926
January February March April	mb. •16 •19 •27 •12	mb. •10 •12 •12 •10	0 152 354 94 23	0 162 194 157 191	mb. •32 •46 •32 •39	mb. •32 •34 •36 •31	0 151 140 153 131	153 148 150 149	mb. •19 •12 •05 •02	mb. •16 •11 •04 •03	9 350 2 320 250	o 250 346 262 171	mb. •09 •03 •05 •04	mb. •07 •04 •04 •04	0 189 94 45 5	0 208 92 50 11
May June July August	•21 •44 •15 •23	•17 •20 •24 •25	83 196 170 217	180 199 183 188	•33 •25 •24 •27	·27 ·25 ·25 ·28	148 157 143 157	147 146 143 144	-07 -06 -08 -06	·07 ·08 ·08 ·05	170 165 165 159	165 161 161 163	•02 •01 •02 •05	•02 •00 •01 •03	282 152 14 324	347 340 11 345
September October November December	•23 •12 •37 •45	•19 •20 •08 •13	335 234 202 148	203 198 184 191	•33 •37 •41 •37	•34 •34 •34 •32	141 145 172 160	153 160 161 160	·02 ·04 ·13 ·17	•00 •07 •13 •16	316 10 19 7	50 359 6 358	•01 •01 •07 •11	•04 •01 •03 •07	132 238 188 211	6 56 167 198
Arithmetic Mean Year Winter Equinox Summer	•25 •10 •18 •06 •18	•16 •15 •11 •15 •21	167 166 31 182	188 184 191 188	•34 •33 •38 •35 •27	•31 •31 •33 •34 •26	150 156 142 151	152 155 153 145	•08 •03 •15 •03 •07	-08 -03 -14 -02 -07	6 3 326 165	5 356 351 162	.01 .07 .02 .01	•03 •00 •04 •03 •02	201 190 32 319	70 182 25 350

TABLE B.
"Diurnal Variation of Temperature Fourier Coefficients".

Valentia Observatory, Longitude 10° 15' W.

Values of c_n α_n in the series Σc_n sin (15nto + α_n), t being Local Mean Time reckoned in hours from midnight.

		cl	(χl		c2	(1 2		сз	(¹ 3		C4	C	14
Month or Season	1935	1871 - 19 2 6	1935	1871- 1926		1871 - 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926
January February March April	•A •58 •74 1•08 1•94	0.48 0.81 1.34 1.80	221 236 232 241	238 234 235 239	°A •17 •27 •42 •37	°A 0·26 0·37 0·42 0·36	0 28 42 61 106	53 53 60 72	•A •14 •12 •07 •19	0.11 0.09 0.04 0.15	° 225 230 273 44	o 226 237 328 41	°A •04 •10 •06 •12	0.02 0.03 0.08 0.06	° 75 138 233 268	0 46 189 216 236
May June July August	2.70 1.61 1.96 1.54	2.08 2.05 1.86 1.74	240 245 243 243	242 243 243 243	•41 •09 •16 •30	0·19 0·11 0·15 0·30	133 99 104 77	98 97 75 69	·36 ·16 ·21 ·18	0-24 0-21 0-20 0-16	64 67 63 45	57 63 59 47	•12 •04 •10 •06	0.04 0.03 0.01 0.03	349 327 349 273	309 13 339 240
September October November December	1.07 .69 .59 .71	1.55 1.11 0.72 0.44	243 235 249 251	242 241 239 234	·37 ·27 ·31 ·32	0•45 0•41 0•35 0•26	76 70 53 37	70 68 62 55	•10 •04 •19 •10	0.06 0.08 0.12 0.11	7 266 230 224	216 274 252 241	•11 •03 •02 •05	0.09 0.07 0.01 0.03	246 155 39 128	234 225 115 59
Arithmetic Mean Year	1.27	1.33	241	240	·29	0.30	74	66	·15	0·13 0·05	 55	38	•07 •02	0.04	292	234
Winter Equinox Summer	•64 1•19 1•95	0.61 1.45 1.93	240 238 242	236 239 242	·27 ·34 ·22	0·31 0·41 0·18	42 78 108	56 67 82	·14 ·05 ·23	0·10 0·0 5 0·20	227 9 60	232 6 57	•04 •07 •07	0·13 0·08 0·02	111 247 334	92 228 222

NOTE.- The seasonal means are derived from the following groups of months:- "Winter": January, February, November and December; "Equinox": March, April, September, and October: "Summer": May to August inclusive.

TERRESTRIAL MAGNETISM

Notes on the Magnetic Observations for the year 1935.

Absolute observations of declination, horizontal force and inclination were made weekly at Valentia Observatory during the year 1935. The instruments in use were Dover unifilar, No. 139, with collimator magnet 139A mirror magnet 139C, and Dover dip circle, No. 118. These instruments are the same as in previous years except that Dover dip circle, No. 239 was used from May 1930 to October 1931. The mean times of observations were 10.23 for declination, 11.42 for horizontal force and 14.30 for inclination, all according to Greenwich Mean Time. In the individual observations the greatest departure from the mean time in any element was 10 minutes. The deflection of the mirror magnet was measured for two distances of the collimator magnet, The complete deflection observation consisted of namely, 30 cm. and 40 cm. eight readings of the mirror magnet. The distribution constant, P, used for 1935 was computed from the mean deflections for 30 cm. and 40 cm. for the seven years 1928-1934 inclusive. The mean P so obtained was 7.53. The moment of the collimator magnet has decreased at the rate of about 1 unit per annum.

The values of declination, horizontal force and inclination obtained in the absolute observations are given in detail in Table C, but in Table D the mean monthly values are computed only from such of these absolute observations as were taken at times subsequently found, by reference to the Eskdalemuir magnetograph curves, to be free from serious disturbance. Observations in Table C taken at disturbed times, and not, therefore, utilised for mean values in Table D, are marked with an asterisk. The north, west and vertical components and the total force for each month and the year are computed from the corresponding mean values of the observed elements.

Westerly declination has diminished by 11.0 as compared with 1934. From 1933 to 1934 the decrease was 10.8 and in the previous 12 months 10.9. The average annual decrease for five year periods since 1910 is as follows:-

1910-15 1915-20 1920-25 1925-30 1930-35 8'2 9'2 11'1 11'0 10'-7

The rate of the eastward movement of the magnetic needle increased slowly up to about 1927, but is now apparently decreasing again.

Northerly inclination decreased 0'1 from 1934 to 1935. Changes during the past few years have been irregular but, on the whole, it appears that inclination is diminishing at a slow rate.

Up to 1920 the mean annual values of horizontal force had shown a steady decline from year to year. In the years 1921 to 1924, 1927, 1931, 1933 and in 1934 the change was in the opposite direction, each year having a mean value higher than that of the preceding year.

The a	\mathtt{amount}	of	annual	change	is	shown	in	the	following	table:-
-------	-------------------	----	--------	--------	----	-------	----	-----	-----------	---------

Period	Annual Change.
1910-15	5γ decrease (Mean Value)
1915-20	6γ " (Mean Value)
1920-25	2γ increase (Mean Value)
1925-26	14γ decrease
1926-27	2γ increase
1927-28	llγ decrease
1928-29	5γ "
1929-30	8y #
1930-31	2γ increase
1931-32	6γ decrease
1932-33	2γ increase
1933-34	ly "
1934-35	8y decrease

The reversal of the annual change in horizontal force in certain years was not accompanied by a corresponding reversal in total force. The average annual decrease in total force for five year periods since 1910 is as follows

1910-15 1915-20 1920-25 1925-30 1930-35 49 γ 33 γ 32 γ 20 γ 22 γ

Total force which until 1934 had continued to decrease but at an apparently diminishing rate, has this year shown an increase of 6γ . This is the first time an increase has been recorded. The individual changes from year to year as shown in Table D are somewhat irregular, but this may be due in considerable measure to instrumental uncertainties. The total force is computed from the horizontal force and the inclination, using the formula T=H

sec. I, so that an error of 0.1 in I would give an error approximately 47 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 33y 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 value of the horizontal force observed in certain years was not a true crease in the magnetic field but merely a component increase arising from the fall in the inclination, which becomes proportionately more effective in the horizontal component as the actual inclination angle itself becomes smaller. The magnetic field in the Valentia district continues to become less year by year, therefore, although, without observations of inclination, the opposite would have appeared to be the case in some years.

TABLE C.

Valentia Observatory. Absolute Magnetic Observations, 1935

Latitude 51° 56' N. Longitude 10° 15' W.

De	ate		sterly ination	Horizon- tal Force		therly ination	Date			erly nation	Horizon- tal Force		therly ination
		٥	,	γ	0				•	,	,	0	,
Januar	7 4	16	40-3	17809	67	58-4	July	5	16	29-6	17799	67	55-9
11	11	16	39.0	17826	67	57.9	n	12	16	31.3	17806	67	56 • 6
11	18	16	38-5	17804	67	58 • 4	n	19	16	30.7	17803	67	57· 0
. #	25	16	39-3	17816	67	57.5	n	26	16	30-7	17813	67	58•7
Februar	ry 1	16	42+9	17791	67	57.2	August	2	16	30-5	17798	67	58•1
19	8	16	39-3	17811	67	56.9	n	9	16	31.2	17823	67	56 - 7
11	15	16	35.7	17804	67	58 • 5	н	16	16	31.1	17813	67	56 • 5
. 11	22	16	37-5	17804	67	56 • 7	n	23	16	31.5	17811	67	57-3
March	1	16	37-6	17805*	67	58•6	n	30	16	29-7	17769	67	57-3
n	8	16	36-5	17816	67	57-2	September	r 6	16	31.8	17801	67	56.9
17	15	16	37.5	17788 *	67	56·8 *	п	13	16	30-5	17796	67	57.0
	22	16	34-7	17799	67	57.7	n	20	16	29.8	17800	67	56.6
11	29	16	35.0	17806	67	57-2	H	26	16	31.0	17764	67	59-2*
April	5	16	33•6	17800	67	56 • 5	October	- 4	16	27-9	17797	67	57-0
_ 11	12	16	36 • 7*	17781*	67	58 • 1*	· # .	10	16	26 • 6	17800	67	58.2
Ħ	18	16	32-9	17784	67	57.6	n	18	16	32.1	17803	67	57-9
11	26	16	32.7	17810	67	56•6		25	16	27-6	17775	67	58-3
May	3	16	35•2	17802	67	57.6	November	1	16	30-7	17809	67	56 • 9
n	10	16	32-3	17819	67	56 • 6	n	8	16	27-9	17793	67	58-2
11	18	16	30-0	17812	67	56 • 4	n	15	16	27.5	17797	67	58 • 4
11°	24	16	34-2	17811	67	56 • 4	п	22	16	29-2	17811	67	58-6
n .	31	16	32-1	17805	67	56•9	11	29	16	30-4	17837	67	57-4
June	7	16	32.2	17833*	67	56 • 7*	December	6	16	29•6	17810	67	58•1
n	14	16	33-2	17820	67	56.2	н	13	16	30.6	17809	67	58.5
. 11	21	16	30.2	17800	67	56.8	n :	20	16	29.6	17816	67	56-9
11	28	16	35-3	17807	67	56.8	l "	27	16	29.8	17800	67	59.2

^{*} Disturbance at these times. Values not utilised in computing means given in Table D.

TABLE D.

"VALENTIA OBSERVATORY"

Magnetic Date for the Year 1935.

1935		ination (est)		ination orth)	Horizon- tal Force	North	West	Vertical	Total
	٥	,	0	,	Υ	Υ	Υ	Υ	Υ
January	16	39-3	67	58-1	17814	17067	5106	44021	47489
February	16	38-9	67	57•3	17803	17057	5100	43964	47432
March	16	36•3	67	57-7	17807	17064	5089	43989	47457
April	16	33-1	67	56•9	17798	17060	5 0 7 0	43937	47406
May	16	32-8	67	56 • 8	17810	17072	5072	43963	47434
June	16	32-7	67	56•6	17809	17072	5071	43954	47424
July	16	30-6	67	57-1	17805	17071	506 0	43962	47431
August	16	30-8	67	57-2	17803	17069	5060	43960	47429
September	16	30-8	67	56•8	17790	17057	5057	43915	47382
October	16	28-5	67	57-9	17794	17063	5046	43955	47429
November	16	29•1	67	57-9	17809	17077	5054	44002	47469
December	16	29•9	67	58-2	17809	17076	5058	44013	47479
Year 1935	16	32-7	67	57-4	17804	17067	5070	43969	47437
Year 1934	16	43-7	67	57-5	17812	17058	5127	43993	47431
Year 1933	16	54-5	67	57-9	17811	17041	5180	44005	47473
Year 1932	17	5-4	67	58-5	17809	17023	5234	44024	47490
Year 1931	17	16-8	67	58-7	17815	17011	5292	44048	47514
Year 1930	17	27•6	67	59-8	17813	16992	5345	44081	47546
Year 1925	18	22-4	68	0-0	17849	16939	5626	44177	47646
Year 1920	19	17-9	68	5-3	17840	16837	5896	44353	47806
Year 1915	20	3-8	68	7-9*	17869	16785	613 0	44519*	47972*
Year 1910	20	44-6	68	13-0	17892	16732	6337	44771	48215

^{*} Mean of 11 months only.

343. VALENTIA OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 13.7 metres

JANUARY, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	1.5	16	17	18	19	20	21	22	23.	24	1 Me
↑ Day	mò .	mb	mb	mb	mb	æb	шb	mb	mb	mb	æb	mb	mb	mb	mb	шb	mb .	mb .	mb	mb .	mb .	mb	mb .	mb	
1	020 - 7	021.0	021.3	021-4	021.5	021-4	021.7	022-1	023.1	023-9	024.5	024.9	025.0	0.52	025-2	025.8	026.5	027-0	027-5	027-7	2.920	026-5	028-7	029 - 7	02
2	029 • 8	029 - 9	030.0	030-2	030-3	030-8	031.1	031.4	032.0	032 • 7	033.7	034.1												036-6	
3	036 • 6	036-6	036 • 5	036 • 5	036 • 5	036 - 2	036.1	038 • 0	035 • 0	035 • 7	035 • 7	035 • 2	034.5	033.7	033.2	033-4	033.8	033.6	033.9	033.5	033.8	033.9	034.3	034-6	103
4	034 • 5	034 - 5	034 • 4	034 • 7	034 - 7	034-6	034-7	034.7	035.1	035 - 2	035-9	035•3	035-1	034 • 4	034.0	034 • 4	034.2	034.3	034-3	034.3	034.3	033.8	033.7	033-3	0
5	032-8	032-1	031.7	031.0	030-5	029-9	029-5	028-9	028 • 5	028-0	027.7	026-6	025-4	024.3	023-3	023-0	022-6	022-5	022-3	021-8	051.6	05T-5	020-7	020-2	١
6	019-9	019-4	019-0	018-9	018-8	019-2	019-3	019-9	9,030	020-8	021-8	021.8	021.7	021-5	021-4	021-5	021.8	021.8	022-0	022.0	022-0	021-9	021-9	021-8	٥
7	021.7	021.5	021.4	021.1	021.0	020-7	020-8	021.0	021-1	021.5	021.6	021.3	021.0	020-7	020-5	020 - 5	020.9	021.1	021.4	021.2	021.5	OST . 2	021.6	021-6	0
8	021.5	021-4	021-5	021.3	020 - 9	020-6	020-4	020-3	020-7	020-6	021.0	020-8	020-6	020-0	020-2	020-5	021.1	021.3	021.8	022-3	022 • 5	022-7	023-1	023-1	0
9	023-2	023-3	023-4	023-6	023-8	024.0	024-2	024 . 6	025.0	025.1	025.6	025-5	025 • 3	025-1	024-9	025-2	025-6	025 • 8	026-0	026 • 1	026 - 2	026 • 4	026 • 3	026-4	10
10	026-3	026-2	026-3	025-7	025-5	025-9	026-0	025-9	025 • 9	026 • 2	026 • 4	026-3	025-9	025-6	025 • 3	024 • 8	024 • 4	024 · 2	023-4	023-1	022 • 3	021.3	020-3	019-5	l٥
n	018-2	016.9	015-8	014-3	012-5	010-6	009-2	009-2	010-2	011-8	012-0	012-5	012-4	013-4	013-8	014-6	015-2	015.7	016-4	016.8	017-0	016-8	016-8	017-0	٥
12	017-8	017-8	019-0	019-6	020-0	019-9	020-5	020 - 7	021.5	021.3	021-6	020-8	020-0	019-3	019-4	019-6	019.5	019.5	019-5	019-6	019.3	018-8	018 • 4	018-3	0
ৰ 13	018 - 2	017.8	018 - 2	017-6	018.1	017.9	018.0	018 - 3	018.7	018-8	019-1	019-3	019-6	019-8	020-2	020 • 5	020-7	021-1	021-6	022-5	022 - 7	023-2	023-8	024-2	٥
Ý 14						025 -4							027-4	027-2	027-4	027.7	028.0	028 • 5	028-9	029-3	029-4	029-9	030-1	030-4	٥
_ 15	030-3	030 • 4	030-7	030-6	030-6	030-5	030 • 5	030-5	030-8	031 • 4	031.8	031.5	031-3	031.3	031.1	031.2	031.5	032•2	032-2	032-6	032-7	032-9	033•5	034-0	٥
.E 16	033-7	033-6	033-8	033-8	034 • 0	033-7	033-8	034 - 1	034-8	035 • 2	035-8	035.7	035-4	035-4	035 • 4	035-5	035-6	036.0	036-2	036 - 2	036 - 5	036-9	036-8	036-7	٥
あ 17	036 - 8	036 - 7	036 - 6	036 • 8	036 • 5	036 - 2	036 - 5	036 - 9	036 .9	037.2	037-6	037-4	037-1	037.0	036-8	036-8	037.0	037•3	037-2	037-1	037-1	037.5	037-7	037-7	0
1.8	037-8	037-7	037-8	037.9	038-1	038.0	038.0	038 • 4	038 • 9	039-0	039 • 3	039-0	038 • 6	038 - 3	.038 • 2	038-1	038-0	038.0	037-9	037-9	037-9	037-9	037-9	037-6	0
19	037-3	037-2	037-1	036 - 8	036 • 7	036 - 3	036-5	037-0	037-5	037-8	037-8	037-4	037 • 2	036 • 8	036 • 6	036-8	037-2	037.6	038 • 0	038 • 3	038-6	038 - 9	039-3	039-5	0
20	039-6	039 • 5	039-6	039-8	039 - 8	039-9	040-0	040-4	040-9	041-3	041-6	041.7	041-6	041-1	040-9	041-1	041-4	041.7	041.9	042.3	042-1	042.0	041-9	042-2	٥
21						042-0							042 - 7	042-4	042 • 2	041-8	041.7	041-8	042-0	042-3	042-3	042 - 2	042-2	042-0	2
22	041.7	041.4	041.3	041.4	041.3	041.0	040-9	041.0	041-1	041.2	040 • 8	040-6	040-1	039-6	039-6	039 • 5	039-4	039-6	039 • 8	039 - 8	039-7	039 - 8	039-9	039-8	Ō
23	039 - 5	039 - 3	039-2	038 - 8	038 - 6	038 - 4	038-6	038 • 9	039.0	039 - 1	039 - 3	039 • 4	038 • 9	038 • 2	038 • 0	038 • 1	038.1	038 • 5	038 • 6	038 • 2	038-1	037-8	037-5	037-1	0
24	036 - 5	036.1	035-8	034.5	033-9	033.1	032.6	032.0	031.2	030 • 8	031.1	029-7												015.7	
25	014-6	013-4	012.3	011-6	010-5	009-5	8-800	007-8	007.3	006-5	006-1	004-8	003-9	003-3	004 • 4	004-2	004-3	004 • 7	005-9	006.5	007-0	008-1	009-1	009-9	₽
26	010-6	011-4	011.9	012-8	013.3	013-9	014-9	016 • 3	017-5	018-7	019-8	020-0	020 • 4	020-7	021.3	022-2	023-0	023-6	024-0	024-4	025-3	025-7	026 • 2	026-4	Q
27						027.1							029 - 9												
28	030-0	029 - 5	029-4	029.2	028 . 7	028-1	028-2	028 - 1	028-3	028-4	028 - 3	028-1												027-6	
29	027-4	027-3	027-1	026 - 7	026 - 6	026 . 7	026-8	026 • 6	026 - 9	027-1	027-0	026.8												026-6	
30	026-2	026-0	025 - 7	025 · 3	024 - 7	024-4	024 • 2	024 • 2	024.0	023-8	023-5	022.9	022-5	021.9	021-8	021.8	021.8	022.2	022.8	023-6	023-5	023-8	024 • 3	024 - 8	٥
↓ 31	025-2	025-0	025-2	025-4	025 - 7	026-1	026 • 1	026-6	027-2	027 - 7	028 • 1	028-0	028-4	027-8	027-4	027-6	027 • 7	027•7	027-6	027-6	027-1	026-8	026-6	026-2	c
		1028	1028				1027			1028	1028	1028								1028		1028		1028	1
ion Level)	•44	-25	•23	-10	- 98	<u>·81</u>	-85	•03	•36	-59	<u>·87</u>	-65	•35	-03	•98	•10	•26	•44	•60	•70	•73	•73	• 78	•73	
Z	1030		1029		1029				1030			1030										1030		1030	1
Level)	•16	•97	-95	•82	•71	·53	•57	•75	•06	•31	•58	•36	-06	•74	-69	•81	•97	•15	•31	•41	•44	•45	-50	•45	1

344.	VALENTIA	OBSERVATORY:	$H_{\mathbf{b}}$	=	13.7	metres
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FEBRUARY, 1935

							,						,							·				 		
	Day	mb	mb	mb	mb	mb	mb	шb	mb	mb	æb	mb	mb	шþ	mb	mb	mb	mb	mb	mb	mb	mb	mb	mp.	mb	mb
1	1	025-0	024 - 8	024 - 4	024 - 1	023-3	023-1	022-6	022.6	022-6	022 • 4	021.9	Q21·7												016-5	
- [2						015-2																		020 • 4	
	3						013.8							014.5	014.0	013.8	017-1	014.0	016.5	016-7	016.0	017-0	017-1	017.6	017-8	015-1
1	*						018.0							015.5	014-1	012.5	011.0	010-6	010-8	011.0	011.1	012.2	013-5	014-5	015-4	015 - 2
- 1	•	"" "	•=• •]	1 0	10	" "	• • • •			*** *	02. 4												1		
	6	016-2	017-0	017-3	018-0	018-6	019-3	020-4	021-8	022-6	023-1	023-9	023-4	024 - 6	024 - 3	025-3	025-7	026-5	027-2	027-3	027-8	028-1	028-3	028 - 6	028 - 9	023-2
	7						029-5							029 • 4	029 - 2	028-9	029-0	029-3	029-4	029+3	029-3	029 - 3	029 • 1	028-9	029-0	029 • 5
	8						028-0																		025 - 7	
1	9						024-9																		024 - 7	
	10	024 • 7	024.8	024-6	024.2	024.2	024-0	023-9	023-7	024.0	023.7	023-8	023-7	023-4	023-0	055.6	022.9	022-3	022-4	022.6	022.6	022.9	022.4	022.2	022-0	023-4
	11	021.4	020-9	020-3	019.6	019.9	018-5	017.0	017-6	016.0	016.0	016.5	036-3	015.4	014.9	013.0	012.4	011.0	011.6	011.5	011.2	010-9	011-1	010-9	010-9	015-5
	12						011.9																		003-4	
급	13						999-6																		005 - 8	
Š	14						009-2																		014-2	
	15	013-1	011-7	009-8	007-8	007-0	007-0	006-9	007-0	007-2	007-1	006+9	006 • 6	006.3	006-2	006-1	006.3	006-5	006-6	006 • 9	006-3	006 • 1	006 • 2	006-3	006 • 1	007-4
. <u>ō</u> .								ł	l		1				i	1	1	1	l		l	_	l	1	l	
ra t	16						001.5																		017-4	
Ϋ́	17						019-6																		016 - 3	
l	18	018.0	014 - 7	014.3	015.4	012.4	011·9 999·4	011.3	011.4	011.1	010.4	009.7	009-2												001-1 989-4	
	19 20						982.8																		983-3	
- 1	20	800.0	800.2	905-2	803-1	803-3	302.0	802-1	802-0	802-0	802.0	802.0	802-0	30L 4	301-5	801-0	SOE'T	802-0	802.4	302 4	802.3	802-0	302.0	803-0	803-3	1 203 %
1	21	983 • 7	984 - 4	984 - 6	984 - 7	984 • 9	985-2	985-0	986 - 2	987-4	988 • 7	988-9	988-5	988 • 1	987-8	987-1	986-0	984 - 0	982-4	981-1	979 - 7	978-6	977 - 7	977 - 7	978 - 5	984 - 3
	22						983-9							983-1	981 .8	980-4	979 - 5	979-1	978 - 8	978-9	979-4	979 - 7	980-5	980-5	980 - 7	981-6
	23						980 - 5																		985 • 3	
1	24						981.8																		965 • 8	
1	25	966-6	967-5	967-9	969-1	969 -8	972.3	974 • 0	977-0	979-4	981.5	983-5	985 - 2	986 • 9	988-0	989.1	990 • 8	992.1	993-4	994 • 5	996 • 4	997-4	998 • 7	999-6	000-5	983-5
				٠			003.0			200.1	000.0	007.0	000.1	004.0	000 F	000.0	000.0	005 5	000.4	003.3	001 - 1	000.0	003.0	000.0	979-9	000.0
İ	26						975.9																		980-3	
J.	27 28						980.5																		990 • 0	
. •	20	800-0	900-0	800.4	900-4	800-4	300-3	200-1	301-1	301-0	502-5	001-0	802 2	~~ ~	1000 -	302 0	203-2	003-8	204	300	800-0	30. 0	300 2	303.2	220.0	1 200 -
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Mean		1005	1005	1005	1004	1004	1004	1004	1005	1005	1005	1005	1005	1005	1004	1004	1004	1003	1004	1004	1004	1004	1004	1004	1004	1004
	n Level)	•70									•53			•04	1				•05				1			·81
		⊢ ≕			ļ	1 30	ļ						<u> </u>			-					 		 	-		-
Mean		1007	1007	1006	1006	1006	1006	1006	1006	1007	1007	1007	1007	1006	1006	1005	1005	1005	1005	1005	1005	1005	1006	1006	1006	1006
(Sea Le	vel)	· <u>38</u>	•18											•70		-79	-69	·61	•72	-80	-94	-89	•11	-14	•14	•48
	Hour											l		l	١			1	١.,					00	ا ما	l
	G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	w. #. 1.					Щ.	L	L	l			L	-	L	L		1	<u> </u>	L	L	L	<u></u>	<u> </u>	<u> </u>		

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.

345. VALENTIA OBSERVATORY: Hb (height of barometer cistern above M.S.L.) = 13.7 metres

MARCH, 1935

	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	
^	Day	mb	mb .	mb	mb	mb	mb	mb	mb	mb	mb	mb	шb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	_mb	mb	
- 1	1	990 - 7	990 • 7	990 - 2	989-9	989 - 5	988-1	986-0	983.8	981.8	979.5	978 • 8	979-3	979 • 8	980-0	980-2	982-0	984 • 7	988.6	991.8	994 • 3	996 • 4	998 • 2	999.8	001.4	98
- 1	2				005-4									010-9												
-	3	010 • 3	010-8	011.7	012.8	014.0	014.8	015.8	017.0	017-8	018.8	019-8	020-4	021-2	021-5	021.9	022 • 6	023-0	023-3	023-9	024 • 3	024-6	025.0	025.1	025 • 2	0
	4	025 • 3	025 • 2	025.0	025 • 0	024.8	025.0	025 • 2	025-2	025.0	024 • 7	024 - 8	024 • 9	024-8	024 • 5	024 - 1	023.8	024 • 0	023-9	024 - 3	024 • 4	024 - 3	024.5	024.8	024-9	O
	5	025-1	025-1	025-2	025-1	025-3	025-8	026-6	026 • 9	027•0	027-4	027.5	028-0	028-3	028-2	028-4	028-6	028 • 7	029-1	029-5	029-8	030 • 1	030 • 3	030-2	030-4	ľ°
-	6	030 • 5	030-7	030-7	030-6	030-6	030-7	030-8	031.1	031.1	031.3	031-6	031.7	031.6	031.5	031.2	031.1	031 • 1	031 • 3	031 · 3	031.4	031-5	031.5	031.5	031.0	0
1		030-8	030 • 5	029-7	029 • 1	029.0	028 - 9	028 • 9	029 • 3	029 • 7	029 - 7	030.0	029-9	029-6	029-2	029.5	029.3	029.2	029-5	030-0	030 • 4	030-8	031.1	031.0	031.0	ľ
1	8	031.1	031.1	030 • 7	030-1	030-4	030-8	030.9	031-0	031 • 3	031.4	031.4	031-2	031.3	037.3	037.0	030.8	030-6	030.8	030-8	031.0	031.1	031.3	031.5	031.1	10
ļ	. 9	031 - 2	031-1	030-9	030-6	031.0	031.4	031.8	031.9	031.9	031.4	031.8	031.6	03T-0	030 4	029-8	029.2	028.6	028.4	028.5	028.2	027-9	027.8	027.0	027.0	10
İ	10	026-8	026 • 5	026-1	025 • 7	025-8	025-8	026-0	026-1	026 • 4	026-4	026.5	026-2	025-8	025-8	025-4	025-6	026-0	026-5	026-9	027-4	027-3	027-1	026.8	027.1	ľ
	11	027-2	027-2	027-2	027-3	027-6	027-5	027-4	028-1	028-1	028-7	029-0	028-8	029-0	029-0	028-9	029-1	029 • 1	030-0	030-8	031.5	032-1	032-8	033-0	033-0	0
1	12	032-6	032-8	032-5	032.5	032-6	032.8	032-9	033-0	032.7	032.7	032 • 4	032-2	031.8	031.0	030 • 4	030.1	029 • 7	029 • 7	029-4	029 • 4	028-8	028 • 2	027.4	027.0	Ō
Level-	13	026-3	026-1	025 • 4	024-8	024 -0	023.7	023.5	023-6	023-5	023-4	023-0	022-9	022-8	022-1	021.3	020.7	020 • 8	020-8	020-7	020 • 5	020-6	020.3	020-1	020 • 1	0
٦	14	019-8	019-6	018.8	018-1	017-8	017.3	017.1	017.0	016.5	016.3	015-8	015.3	014.3	013.7	013.0	012-6	012.3	015.0	011.8	011.5	010.6	010.1	009.6	8.800	10
	15												8.000		l					İ						•
Station	16	990 - 7	990-3	990 • 0	990-0	989•9	990-2	990-5	991-2	991-5	992-1	992-4	992-3	992-5	992-3	992-5	992-8	994 • 2	995-5	996-8	997-9	998-4	999-4	000-4	001-3	9
Ş	17	002-2	002.9	003.5	004 - 2	005-3	006-1	007-2	007-9	008-9	009-3	010-0	010-6	010-8	011-0	011.2	011-1	011.0	011-2	011.3	011.2	011-1	011-4	011.3	010-5	10
	18	010-4	010-0	009-2	008-8	008-7	008 • 5	008-3	008-4	008-4	008 • 3	008-2	008-0	007.5	007-1	007-0	006-1	006-1	005-9	005-9	005.7	005-6	005-4	005-2	004 - 8	ļ٥
- 1	19	004-8	004-4	004 • 4	004.1	003-7	003-3	003-2	003-4	003-6	003-2	003-1	002.9	003.0	002.9	003-3	003-6	004-1	004 • 4	005 • 3	006.0	006 • 9	007-6	007.9	008 • 4	0
	20	009-0	009-3	009-3	009•3	009-7	010-4	011-0	011.7	012.3	012.6	012-8	013-0	013-0	012.6	012.6	012.7	012-8	013-1	013.5	013.2	013.7	013.4	013.2	013.3	ľ
	21	013-1	012-7	012-4	011-8	011-9	011-9	011-6	011-6	011.3	011-4	011-1	010-7	010-2	009-5	009-2	009-4	009-1	009-0	009-0	008-9	008-7	008-4	008-1	007-7	0
- 1	22	007-1	006 - 5	005.8	005-0	004-4	004 - 1	003-7	003+3	003-3	003.5	003-5	003-7	003.7	1004 • 0	1004 - 8	005 • 2	006+0	006-6	007-5	008 • 3	009-1	009-6	1010 • 1	1010-3	I٥
-	23	010-3	010.7	010-2	009-5	009-2	008 • 5	008-8	008-9	009.0	009.0	009 • 2	009-8	010-2	010 • 5	1010 • 8	011.4	012.3	013-1	013.7	014.7	015 • 3	015.9	016.6	017-4	0
	24	017 • 7	017-9	018 • 4	018-9	019-4	019.6	020-0	020-3	020 • 7	020-8	021.3	021.8	022 • 4	022.5	022-4	022.8	022-9	023-1	023-4	023.3	023-4	023-5	023-6	023.7	0
-	25	023-6	023-7	023-6	023-5	023-6	023-6	023.7	023-8	024.1	024.3	024 • 6	024-9	025-2	025 • 3	025-4	025-4	025-2	025•3	025-4	025 • 8	025-9	026-0	026-1	026-0	l°
1	26	025-9	026-0	025-9	025.9	025-8	025-9	026-0	026 • 2	026 - 5	026-6	026-6	026 • 7	026 - 7	026 • 5	026 - 5	026-2	026-0	026 • 1	025-9	026 • 1	026 - 2	026 - 3	026.1	026 - 2	٥
1	27	026 • 4	026 • 1	025 • 6	025 • 4	025 • 5	025 • 7	1026 • 1	026 • 4	026 • 6	027.0	027-4	027-4	027 • 5	027 • 4	1027 - 2	1026 • 9	027-1	1027•3	1027-4	1027 • 6	028 • 2	1028 • 6	1028 • 7	028 • 6	10
- [28	028 • 7	028 - 8	029 - 2	029.0	028-5	028 - 2	027.7	028 • 2	029 - 1	029 • 4	029.9	029.7	029-5	028 • 8	028 • 5	028.0	028 • 2	028-0	028 • 2	029 • 0	029 • 5	029 • 8	029 • 8	029 • 7	0
- [29	029 • 5	029 • 3	029 - 1	029 • 1	029-2	029 - 2	029 - 3	029 • 7	030-1	030 - 2	030 • 3	lo30·5	030 • 4	030 • 3	030 - 2	030-1	030-0	030 • 0	029 • 9	030 • 0	029.9	029-9	029.7	029.5	0
	30	029-2	029-0	028-8	028 • 4	027-6	027-4	027-4	027-2	027-1	027.0	026 • 7	026.0	025-6	025-1	024 • 4	024.1	023.8	023-6	023-1	022.8	022 • 7	022.7	022.5	022-1	ı°
\downarrow	31	021-6	020-9	020-1	019-9	019-9	019.7	019•8	019-9	020-0	020-0	020-0	020-1	020 - 1	020-0	020-2	020-1	020-0	020-1	020-2	020-5	020-6	020-8	020-6	020-5	0
1			1018	1018				1018				1018		1018								1019			1019	1
cion	Level)	• 35				•94			•21	•33	•37	•43	•45	•40	•17			•16						_	•33	L
l Lev		1020 •04	1019 •98			1019 •63	1019 •64						1020	1020	1019 •85			1019 •84				1020 •87		1021 -03	1021	1

346.	VALENTIA	OBSERVATORY:	Hъ	=	13.7	metres

APRIL, 1935

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1	Day 1	mb 020 • 6	mb 020-1	mb 019•9	mb 019-9	mb 020•0	mb 020•5	mb 020-8	mb. 021 • 4	mb 021-5	mb 021 • 8	mb	mb	mb 022-5	mb 022 • 4	mb 022-4	mb	mb	mb	mb 023•0	mb	mb 024+0	mb 024-1	mb 024+0	mb nes-a	mi 021
1	2	024 - 1	024 - 2	024 - 3	024 - 5	024 - 7	025.0	025 - 2	025 - 3	025 - 7	025 . 7	025-9	026-1			025-5										
1	3	025 • 5	025 • 4	025 - 1	024 - 8	024 - 9	025.1	025.3	025-5	025.6	025 - 7	025.7	025 • 4			024 • 6										
	4	021.9	021-1	020-4	019.6	019.1	019.0	018-6	018 • 4	017.8	017.7	017-2	016-7			015 • 4										
İ	5	1079.8	072.8	015.4	012.0	014.0	014.4	014-0	013.7	013-4	015-8	012.4	015.3	011-8	012.2	012.7	012-6	012.5	012-6	012.6	012.7	012-8	012-8	012.6	012.6	01
	6	012.2	011.8	011 - 3	010.6	009-9	009.0	008-6	008-3	007-4	006 • 4	005-1	004-0			998 - 7										
	7 8	999.6	999.5	999-4	999.3	999 - 2	999.1	999 • 2	999 - 4	999-2	999.0	998 • 7	998-5	998-1		997-6										
	9	989-5	989-4	989.2	980-3	989.8	990-3	990.3	999.6	999.8	000.0	399.9	333.T			996-3										
1	10	980-2	980-6	980-6	981.0	980-8	980-4	980.8	981.8	982.6	983.2	984.0	984 - 1			985 • 2										
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ł	11 12	980.0	997.8	998.8	999-8	003-0	002-1	003-1	004 - 1	004.9	005.9	006.7	007-0			007-5										
౼	13	006-6	006-4	005-8	005-4	005-3	005-3	004 • 5	005.5	005.5	205-4	005.3	005-8			006·7										
ş	14	998 - 6	997-8	996 - 5	995 - 6	995-0	994.6	995.0	996.0	997.4	998 • 9	001.5	003-2		005-1	005-8	006-4	006-9	007-6	007-8	008-6	001-3	000-7	000-1	000.5	00
Į.	1.5	009-4	009-4	009 • 2	008.0	009-0	008 • 7	008-7	008 • 5	008-0	007-8	007-3	006 • 4			004.3										
Station	16	999-1	998-4	997-7	996-9	996-2	994-9	994.2	993.3	995.3	993.9	990.2	988-9	088.1	987-0	985-8	004.0	095.7	097.7	000.4	002.0	004-0	005.0	000.7	امما	٦
St	17	996 - 9	996 - 2	996 - 3	996-6	996 - 7	997.5	997.5	998-0	998 - 7	999 - 3	000-6	001-6			004-1										
	18	005-0	004.3	003∙5	002-3	0000-6	999:3	998 • 7	998 • 2	997.9	997.9	998 • 1	998-0		997.3	996 • 9	996 4	996 • 4	996 • 4	996 - 7	996-9	996 - 9	997-1	997-3	997.6	9
	19	997-9	998 • 4	998 • 5	998 • 6	998-8	999-1	999-2	999-4	999•6	999-6	999-6	999-3	998 • 9	998 - 1	997-7	997-1	996 • 7	996 • 8	996 • 7	996 • 6	996 - 5	996.1	995 • 9	995 • 5	99
-	20	995•3	995•0	994-6	994-3	994 - 1	994.0	993-9	993-9	993-8	993-5	993-4	993-3	993-1	992-9	992-6	992 • 2	992 • 1	991-9	991-9	992 • 1	992-1	992-0	991-9	991.7	99
	21	991-6	991-3	991.2	991-2	991-1	991-1	991.2	991-4	991.5	991.9	992-2	992-3	992-6	993-0	993-4	993-5	994 • 0	994 • 8	995-1	996-0	996•6	997-3	997-6	998 • 0	99
	22	998 • 4	998 - 5	998 - 8	999 • 0	999 • 5	000-3	8.000	001 - 4	002-1	002 • 7	003-0	003-1	003-4	004-0	005-1	005.5	006-5	007-4	008 • 5	209-8	010-9	011.6	012.3	013-0	ĺα
	23	DT3-8	014.1	014-9	015.5	016-1	016.9	1017-8	1018-1	018-7	019 • 2	019-3	019•5	019-8	020-2	020-5	020 • 7	020-9	021.2	021.8	022 - 3	022.6	022.9	023-3	023-6	01
	24 25	023.9	023.3	023.7	023.7	023-6	023-9	024·3 022·8	024 - 3	024 - 1	024.1	023-9	023-8	023-8												0
	20	023-3	023-1	ULL'9	022-0	022-0	022.0	022.0	022.9	022.8	022.3	022.2	051.8	021-9	051.6	021.3	021.4	021.3	021.4	021.4	022.0	022 • 1	022.0	022 • 1	022-1	0
	26	022-0	021.7	021-6	021.3	020-9	020-9	021-1	020-9	020-7	020.8	020-8	020-6	020-5	020-3	020-2	019-8	020-0	020-3	020-6	021-1	021-8	022-1	022 • 4	022-6	٥
	27 28	022-6	022-6	022.5	022-4	022-5	022.7	023-1	023-3	023-3	023-3	023-4	023-3	023-6	023.7	023-7	023-8	024-1	024.5	024-9	025 • 3	025-8	026.0	026 • 2	026 • 4	0
	29	020.2	026.3	026.7	026.1	026.2	026.4	026 • 4	026 • 5	026 - 7	026 - 8	027.0	027-2	027-0	026 - 9	026-8	026-8	026 • 9	027-0	026.9	027.0	027.5	027-6	027.8	027-6	2
Ψ	30	022-0	021-4	020-7	020-0	019-7	019-5	019.5	020-3	018-9	018.8	018.0	025-9	025·7 018·2	025-1	024.9	024 • 4	024 • 1	023.9	023.7	023.5	023-6	023-4	023.1	022-3	0
	•						0.20		-	320 0	010	010	010 0		010	01.5	01, 2	010-7	010 3	010-1	016-1	016-2	012-3	019-1	012-2	ľ
n.		1009	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1
_	Level)	·02							•68		•88		•90	•80			•08	•03	•00	•15		•68	•76			
3		1010	1010	1010	1010	1010	1010		1010	1010	1010	1010	1010	1010	1010	1010	1009	1009	1009	1009	1010	1010	1010	1010	1010	Γ
Lev		•70	•50	•30	•13	•03	•06	•19	•35	•44	•55	-63	•56	•46	•25	•03	•74	•69	<u>•67</u>	•82	•11	•35	•43	•48	•50	L
G	Hour M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	ŀ

Noon

347. VALENTIA OBSERVATORY: Hb (height of barometer cistern above M.S.L.) = 13.7 metres

Hour

MAY, 1935

G.	. M. T.	1	2	3		5	6	L						13		15	16	17	18				22	23	24	Mean
\uparrow	Day 1 2 3 4	012·5 007·1 007·5	011·7 006·5	011·2 005·7	011·3 005·5	011·2 005·1	mb 014.0 011.2 005.1 008.3 016.5	011·2 005·1 008·5	011·3 005·2 008·7	011·1 005·2 009·0	011·1 005·4 009·2	011·0 005·6 009·3	010·8 005·7 009·3	010-6 005-5 009-5	010·3 005·4 009·7	010-0 005-8 010-0	005·7	009·2 005·8 010·8	008·9 006·1 011·4	008 · 7 006 · 5 012 · 1	008·6 006·9 012·5	008·7 007·3 012·7	008-3 007-4 013-1	008-0 007-6 013-8	007-5	mb 013.6 010.3 006.0 009.9 019.5
	6 7 8 9	025·3 031·2 029·5 029·0	025 · 6 030 · 8 029 · 5 028 · 5	025·9 030·8 029·4 028·0	026·1 030·8 029·2 028·0	026 · 4 031 · 0 029 · 2 027 · 6	026·7 030·9 029·5 027·5 022·1	027·3 031·0 029·7 027·1	028 · 1 031 · 4 029 · 8 026 · 8	028·3 031·4 029·9 026·3	028 · 7 031 · 4 029 · 8 026 · 1	029·0 031·3 029·5 025·3	029·4 031·1 029·0 024·9	030 · 9 028 · 5 024 · 4	030.7	030·4 028·1 023·5	030·3 028·2 023·1	030·0 027·9 022·8	029·8 028·1 023·1	029 · 5 028 · 4 023 · 3	029·5 028·6 023·6	029·7 029·2 024·0	029·7 029·4 024·3	029 · 7 029 · 3 024 · 4	031·4 029·6 029·1 024·3 020·6	029·1 025·5
Station Level	11 12 13 14 15	021·6 022·5 022·5	021 · 4 022 · 4 022 · 2	021·3 022·4 022·0	021·1 022·5 021·7	021·2 022·6 021·8	020·0 021·3 022·8 021·9 027·2	021·3 022·9 022·1	021·3 023·3 022·1	021·3 023·2 022·2	021·1 023·2 022·6	020 · 7 023 · 3 023 · 3	020·5 023·3 023·8	020 · 2 023 · 3 024 · 3 024 · 2	020 · 2 023 · 3 024 · 5 023 · 7	020 · 2 023 · 2 024 · 9 023 · 0	020 · 4 023 · 1 025 · 2 022 · 1	020·4 023·1 025·4 022·0	020·5 023·1 025·9 022·4	020 • 7 022 • 9 026 • 7 022 • 8	021·0 022·9 027·3 023·1	021·5 023·2 027·9 023·7	021.9 023.1 028.5 024.2	022 · 4 022 · 9 028 · 7 024 · 8	021 · 6 022 · 5 022 · 8 028 · 8 026 · 0	025 · 3
Stati	16 17 18 19 20	018-8 020-6 015-4 009-3	017·6 020·4 014·6 009·1	016·1 020·5 014·1 008·7	014·7 020·6 013·4 008·5	013·7 020·6 012·9 008·3	027-2 013-0 020-8 012-6 008-2	012·9 020·9 012·2 008·4	013·6 020·9 012·0 008·7	014·5 020·9 011·9 009·1	014·8 020·9 011·6 009·3	015·3 021·0 011·3 009·9	015·6 020·7 010·9 010·1	016·5 020·5 010·4 010·5	016 ·6 020 ·2 010 ·1 010 ·9	016·9 019·7 009·7 011·3	017.5 019.3 009.6 011.6	017·6 018·8 009·4 012·0	017·8 018·6 009·3 012·4	018·0 018·4 009·3 013·2	018·5 018·0 009·4 014·2	019·3 017·7 009·7 015·3	020 · 2 017 · 3 009 · 7 016 · 2	020·4 016·5 009·7 016·5	020·0 020·3 016·1 009·6 016·9	016.7 019.7 011.3 011.0
	21 22 23 24 25	025·8 021·3 020·4 020·9	025·7 021·0 020·2 020·9	026 · 0 020 · 7 020 · 2 020 · 6	026 · 2 020 · 5 020 · 2 020 · 4	026·4 019·9 020·3 020·3	020·2 026·7 020·2 020·6 020·5	026 • 7 020 • 5 020 • 8 020 • 4	026 · 5 020 · 5 020 · 9 020 · 5	026·4 020·3 020·9 020·5	026 · 2 020 · 1 021 · 1 020 · 2	025·6 019·6 021·0 020·1	025·5 020·0 021·0 019·6	025·1 019·6 020·9 019·4	024·7 019·4 020·8 019·2	024 · 2 019 · 2 020 · 6 019 · 1	023-6 018-8 020-4 018-7	023·3 018·6 020·5 018·2	022·8 018·9 020·5 018·1	022 · 5 018 · 9 020 · 7 018 · 2	022·1 019·4 020·7 018·4	022-2 020-1 020-9 018-8	021.9 020.6 021.1 018.9	021·7 020·7 020·9 018·9	025-8 021-4 020-4 020-9 018-9	024·6 020·0 020·7 019·6
	26 27 28 29 30	019·4 015·6 014·1 011·1	019·4 015·1 013·7 010·9	019·3 014·8 013·4 010·7	019·0 014·8 013·2 010·4	019·1 014·8 013·1 010·4	018·4 019·2 014·9 013·2 010·4	019·1 015·1 013·1 010·3	019·1 015·0 013·2 010·4	019·2 015·0 013·2 010·4	018·8 014·9 012·8 010·4	018·5 014·9 012·7 010·5	018·1 014·9 012·3 010·6	018-0 015-0 011-9 010-6	017.8 014.8 011.8 010.5	017·7 014·7 011·6 010·6	017·4 014·7 011·3 010·6	017.0 014.6 011.2 010.6	016.6 014.4 011.1 010.6	016.6 014.3 011.0 010.7	016.5 014.6 011.0 010.7	016·7 014·8 011·4 011·0	016.8 014.9 011.6 010.9	016.7 014.8 011.4 010.9	019.5 016.2 014.5 011.4 010.9	018·1 014·9 012·3 010·6
Mean (Station	Level)	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	ļ	1018	1018	-		1018 •41	1018	1018	1019	1019	1019 •32	1019	1018 •85
'n na hTOU		1020		1020 •56	1020	1020	1020	1020	1020	1020	1020	1020	1020		1020	1020	1020			1020	1020	1020	1020	1021	1020	1020
Mean (Sea Leve	rel)	-95																								
Mean (Sea Leve	. VALE			/ATORY	∕: H _l) = 13	5.7 me	etres	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	JUNE,	, 1935	mb
Mean (Sea Leve		mb 009·1 997·5 996·3 995·3	mb 008.6 997.5 995.9	mb 007·7 997·4 995·6 994·3	mb 007·1 997·5 995·5	mb 006·6 997·5 995·2 993·3	mb 005·9 997·6 995·3	mb 005 · 5 997 · 5 995 · 2 992 · 8	005·1 997·6 995·3 992·7	004·7 997·6 995·3 992·7	997-6 995-0 992-5	003.8 997.5 995.1 992.2	003·4 997·4 995·1	002.9 997.4 995.3 991.6	997·3 995·4 991·3	001.8 997.2 995.6 991.3	001·0 997·0 995·8	000 • 6 996 • 6 995 • 9 991 • 1	000 • 2 996 • 6 996 • 1 991 • 0	999·5 996·6 996·2	999 · 0 996 · 7 996 · 2	998 · 9 996 · 6 996 · 4	998 · 7 996 · 9 996 · 4 993 · 1	mb 998·1 996·8 996·0	mb 997.6 996.6 995.8	mb 003·3 997·2
Mean (Sea Leve	. VALE	mb 009·1 997·5 996·3 994·3 001·0 987·3 005·7 004·9	mb 008 • 6 997 • 5 995 • 9 995 • 1 994 • 7 000 • 3 986 • 5 006 • 2	mb 007.7 997.4 995.6 994.3 995.0 999.1 985.8 006.6 013.3	mb 007·1 997·5 995·5 993·9 995·4 997·6 984·8 007·2 012·8	mb 006·6 997·5 995·2 993·3 996·2 996·3 984·6 008·0 012·1	mb 005.9 997.6 995.3 993.0 996.7 994.9 983.9 008.9 011.6	mb 005·5 997·5 995·2 992·8 997·3 993·5 984·0 009·7 011·1	005·1 997·6 995·3 992·7 998·3 993·1 984·4 010·6 010·7	997-6 995-3 992-7 998-8 993-2 985-0 011-4 010-6	997.6 995.0 992.5 999.2 993.2 986.1 011.9 010.1	003-8 997-5 995-1 992-2 999-7 993-4 987-5 012-7 009-7	003·4 997·4 995·1 992·1 000·0 993·8 988·8 013·3	002.9 997.4 995.3 991.6 000.4 993.9 990.3 013.8 008.8	002.5 997.3 995.4 991.3 000.8 993.8 992.0 014.7 008.4	001-8 997-2 995-6 991-3 001-3 993-9 993-9 015-2 007-9	001.0 997.0 995.8 991.1 001.6 994.0 995.7 015.5	000.6 996.6 995.9 991.1 001.8 993.6 997.5 015.6 006.7	996.6 996.1 991.0 002.1 993.0 998.8 015.6	999.5 996.6 996.2 991.3 002.2 992.2 000.2 015.8 006.1	999.0 996.7 996.2 991.8 002.4 991.6 001.1 015.7 005.4	998.9 996.6 996.4 992.5 002.6 990.7 002.3 015.8 005.0	998.7 996.9 996.4 993.1 002.5 989.9 003.4 015.8 004.8	mb 998·1 996·8 996·0 993·6 002·3 989·2 004·2 015·6 004·3	mb 997·6 996·6 995·8 994·1 001·7	mb 003·3 997·2 995·7 992·7 999·3 994·2 991·9 012·1 009·2
Mean (Sea Leve	Day 1 2 3 4 5 6 7 8 9	mb 009·1 997·5 996·3 994·3 001·0 987·3 005·7 014·9 002·9 992·0 000·8 002·0 999·0	mb 008-6 997-5 995-9 995-9 994-7 000-3 000-3 902-4 000-8 992-4 000-8 992-8	mb 007.7 997.4 995.6 994.3 995.0 006.6 013.3 001.2 993.0 000.9 000.9 1998.5	mb 007·1 997·5 995·5 993·9 995·4 997·6 984·8 007·2 012·8 000·4 993·5 000·9 998·8	mb 006·6 997·5 995·2 993·3 996·2 996·3 984·6 008·0 012·1 999·8 994·0 001·1 002·3 999·0	mb 005.9 997.6 995.3 993.0 996.7 994.9 983.9 008.9 011.6	mb 005 · 5 997 · 5 995 · 2 992 · 8 997 · 3 993 · 5 984 · 0 009 · 7 011 · 1 998 · 7 995 · 2 001 · 7 002 · 4 000 · 0	005·1 997·6 995·3 992·7 998·3 993·1 984·4 010·6 010·7 998·0 996·0 001·9 002·6 000·3	004·7 997·6 995·3 992·7 998·8 993·2 985·0 011·4 010·6 997·4 996·7 002·6 002·6 000·8	004·3 997·6 995·0 992·5 999·2 993·2 986·1 011·9 010·1 996·9 997·6 002·4 002·5 001·3	003-8 997-5 995-1 992-2 999-7 993-4 987-5 012-7 009-7 996-5 998-2 002-6 002-4	003-4 997-4 995-1 992-1 000-0 993-8 988-8 013-3 009-1 995-7 998-6 002-7 001-9	002-9 997-4 995-3 991-6 000-4 993-9 990-3 013-8 008-8 994-9 999-4 002-7 001-0 002-3	002.5 997.3 995.4 991.3 000.8 993.8 992.0 014.7 008.4 994.5 999.5 002.5 000.3	001-8 997-2 995-6 991-3 001-3 993-9 915-2 007-9 994-0 999-7 002-5 998-7 002-4	001-0 997-0 995-8 991-1 001-6 994-0 995-7 015-5 007-3 993-2 999-8 002-2 998-5 002-5	000-6 996-6 995-9 991-1 001-8 993-6 997-5 015-6 006-7 992-7 000-0 002-0 998-9 002-6	000 · 2 996 · 6 996 · 1 991 · 0 002 · 1 993 · 0 998 · 8 015 · 6 006 · 4 992 · 2 000 · 3 002 · 0 999 · 3 002 · 6	999-5 996-6 996-2 991-3 002-2 992-2 000-2 015-8 006-1 992-2 000-3 001-9 999-4 002-8	999.0 996.7 996.2 991.8 002.4 991.6 001.1 015.7 005.4 992.1 000.5 001.8 999.4 003.0	998·9 996·6 996·4 992·5 002·6 990·7 002·3 005·0 992·3 000·7 002·0 999·8 003·2	998-7 996-9 996-4 993-1 002-5 989-9 003-4 015-8 992-5 000-8 002-1 999-8 003-2	mb 998·1 996·8 996·0 993·6 002·3 989·2 004·2 001·6 004·3 992·4 001·0 999·4 003·1	mb 997.6 996.6 995.8 994.1 001.7 988.2 005.1 015.3 003.8	mb 003·3 997·2 995·7 992·7 999·3 994·2 991·9 012·1 009·2 996·3 997·5 001·9
Mean (Sea Leve	Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	mb 009·1 997·5 996·3 994·3 001·0 987·3 005·7 014·9 002·0 999·0 003·1 006·7 009·5 003·1 013·8 006·5	mb 008-68 997-5 995-9 995-1 994-7 000-3 986-5 004-1 002-0 996-8 003-0 006-6 003-1 005-1	mb 007.7 997.4 995.6 994.3 995.0 999.1 985.8 006.6 013.3 001.2 993.0 000.9 002.1 998.5 006.4 008.8 003.9 001.9 004.8	mb 007·1 997·5 995·5 993·9 995·4 997·6 984·8 007·2 012·8 000·4 993·5 000·9 002·2 998·8 002·9 006·4 008·5 004·9	mb 006.6 8 997.5 995.2 993.3 996.2 996.3 996.2 996.3 996.2 996.3 996.0 001.1 999.8 994.0 001.1 002.3 999.2 005.5 006.5 0	mb 005-9 997-6 995-3 993-0 996-7 994-9 9011-6 999-3 994-4 001-4 002-3 999-4 003-5 006-7 007-9 006-3 012-1 006-1	mb 005-5 997-5 997-5 995-2 992-8 997-3 993-5 984-0 009-7 011-1 998-7 995-2 001-7 002-4 000-0 003-8 007-1 001-7 006-7	005·1 997·6 995·3 992·7 998·3 993·1 984·4 010·6 010·7 998·0 996·0 001·9 002·6 000·3 004·1 007·4 007·2	004·7 997·6 995·3 992·7 998·8 993·2 985·0 011·4 010·6 997·4 996·7 002·2 002·6 000·8 004·4 007·7 006·5 001·4 007·5	004·3 997·6 995·0 992·5 999·2 993·2 986·1 011·9 000·1 997·6 002·4 002·5 001·3 004·6 006·0 009·3 001·3 007·9	003-8 997-5 995-1 992-2 999-7 993-4 987-5 012-7 009-7 996-5 998-2 002-4 001-5 004-8 008-2 010-2 011-7 008-4	003-4 997-4 995-1 995-1 992-1 000-0 993-8 988-8 013-3 009-1 995-7 998-6 002-7 001-9 004-9 004-9 004-9 0011-3 008-6	002-9 997-4 995-3 991-8 000-4 993-9 990-3 013-8 008-8 994-9 999-4 002-7 001-0 002-3 004-9 008-7 003-8 011-7	002.5 997.3 995.4 991.3 000.8 993.8 992.0 0014.7 008.4 994.5 002.5 002.5 005.0 008.8 003.0 002.2	001-8 997-2 995-6 991-3 001-3 993-9 993-9 015-2 007-9 994-0 999-7 002-5 998-7 005-1 009-0 002-5 012-5 010-5	001-0 997-0 995-8 991-1 001-6 995-7 015-5 007-3 993-2 998-8 002-2 998-5 005-1 009-0 001-9 012-9 012-9	000-6 996-6 995-9 991-1 001-8 993-6 997-5 015-6 006-7 992-7 000-0 002-0 998-9 002-6 005-2 009-1 001-9 0013-6 010-4	000 · 2 996 · 6 996 · 1 991 · 0 002 · 1 993 · 0 998 · 8 015 · 6 006 · 4 992 · 2 000 · 3 002 · 6 005 · 3 002 · 1 009 · 3 002 · 1 001 · 7 010 · 2	999-5 996-6 996-2 991-3 002-2 992-2 000-2 015-8 006-1 992-2 000-3 001-9 999-4 002-8 005-7 009-6 001-8 014-0	999-0 996-7 996-2 991-8 002-4 991-6 001-1 005-4 992-1 000-5 001-8 999-4 003-0 006-0 009-7 001-8 014-2	998.9 996.6 996.4 992.5 002.6 990.7 002.3 015.8 005.0 992.3 000.7 002.0 999.8 003.2 006.3 009.9 001.9	998-7 996-9 996-4 993-1 002-5 989-9 003-4 015-8 004-8 992-5 000-8 002-1 999-8 003-2 006-7 010-0 002-0 014-5 009-0	mb 998·1 996·8 996·0 993·6 002·3 989·2 004·2 004·2 004·3 992·4 001·0 002·1 999·4 003·1 006·7 009·8 002·3 004·4 008·0	mb 997-6 996-6 995-8 994-1 001-7 988-2 005-1 015-3 003-8 992-2 000-8 002-0 999-0 003-2	mb 003-3 997-2 995-7 992-7 999-3 994-2 991-9 012-1 009-2 996-3 997-5 001-9 000-9 001-3 004-7 008-2 005-0 009-9 001-9
Mean (Sea Leve	Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	mb 009·1 997·5 996·3 994·3 001·0 987·3 005·7 014·9 002·0 999·0 003·1 006·7 009·5 003·1 013·8 006·5 002·4 013·8	mb 008-68 997-5 995-9 995-1 994-7 000-3 996-5 006-6 003-6 003-6 003-6 005-1 005-1 002-2 018-8 022-0 012-9	mb 007·7 997·4 995·6 994·3 995·0 999·1 985·8 006·6 013·3 001·2 993·0 000·9 002·1 998·5 002·9 006·4 003·9 001·9 004·8 001·9 004·8 001·9 004·8 001·9 004·8	mb 007·15 997·5 993·9 995·4 997·6 984·8 007·2 012·8 000·4 993·5 000·9 002·2 998·8 002·9 008·4 004·9 004·9 004·6 012·0 004·9 007·5 019·0 001·2 012·0	mb 006-6 997-5 995-2 993-3 996-2 996-3 996-3 996-2 996-3 996-2 0012-1 999-8 994-0 001-1 002-3 005-5 008-2 005-5 005-5 005-6 019-6 020-9 011-9	mb 005-9 997-6 995-3 993-0 996-7 994-9 983-9 0011-6 999-3 994-4 001-4 002-3 999-3 012-1 006-1 005-8 007-9 019-9 020-9 011-6	mb 005-5 997-5 997-5 995-2 992-8 997-3 993-5 984-0 009-7 011-1 998-7 995-2 001-7 002-4 000-0 003-8 007-1 011-7 006-9 008-1 020-6 020-9 012-1	005-1 997-6 998-3 998-3 998-3 993-1 984-4 010-6 001-7 998-0 001-9 002-6 000-1 007-4 007-1 007-8 011-3 007-2 007-5 021-1 008-5 021-1 020-6	004·7 997·6 995·3 992·7 998·8 993·2 985·0 011·4 010·6 997·4 996·7 002·2 002·6 000·8 004·4 007·7 006·5 011·4 007·5 088·2 008·9 021·5 020·4 011·3	004·3 997·6 995·0 992·5 999·2 986·1 011·9 900·1 996·9 997·6 002·4 002·5 001·3 004·6 006·0 009·3 011·3 007·9 008·6 009·3 021·9 020·0 010·9	003-8 997-5 995-1 992-2 999-7 993-4 987-5 012-7 009-7 996-5 998-2 002-6 002-4 001-5 004-8 005-2 010-2 011-7 008-4 008-9 010-1 019-4 010-3	003-4 997-4 995-1 995-1 992-1 000-0 993-8 988-8 013-3 009-1 995-7 998-6 002-7 001-9 004-9 004-9 004-5 011-7 022-5 018-5 009-9	002.9 997.4 995.3 991.6 000.4 993.9 990.3 013.8 008.9 994.9 999.4 002.7 001.0 002.3 004.9 008.7 001.7 008.5 009.7 011.9 002.4 018.6 009.4	002.5 997.3 995.4 991.3 000.8 993.8 992.0 014.7 008.4 994.5 002.5 000.3 002.5 003.0 012.1 010.2 008.6 010.1 013.0 002.1 017.9 008.7	001-8 997-2 995-6 991-3 001-3 993-9 993-9 994-0 999-7 002-5 998-7 002-4 005-1 009-0 002-5 012-5 010-4 008-5 013-8 022-3 018-3 008-7	001-0 997-0 995-8 991-1 001-6 995-7 015-5 007-3 993-2 999-8 002-2 998-5 002-5 005-1 009-0 001-9 010-5 008-4 009-8 014-4 022-2 017-9 008-4	000-6 998-6 998-7 998-7 998-7 001-8 998-8 998-7 000-0 002-0 998-9 000-0 002-0 0013-6 000-2 009-1 0013-6 000-2 009-1 0013-6 000-2 009-1 0013-6 000-2 009-1 0013-6 000-2 009-1 0013-6 000-2	000-2 996-6 996-1 991-0 002-1 993-0 998-8 005-6 006-4 992-2 000-3 002-0 005-3 002-1 013-7 010-2 008-1 009-5 002-2 007-6	999-5 996-6 996-2 991-3 002-2 992-2 000-2 015-8 006-1 992-2 000-3 001-9 999-4 002-8 005-7 009-6 001-4 007-2 009-5 016-3 022-5 017-0 007-7	999-0 996-2 991-8 991-8 002-4 991-6 001-1 005-4 992-1 003-0 006-0 006-0 006-0 006-0 006-0 006-0 007-3 007-3	998-9 996-6 996-6 996-7 996-7 992-5 002-6 990-7 002-0 999-8 003-2 006-3 009-9 014-5 009-8 005-8 009-3 007-3	998-7 996-9 996-4 993-1 002-5 989-9 003-4 015-8 004-8 992-5 000-8 002-1 999-8 003-2 006-7 010-0 002-0 004-9 008-9 008-9 008-9 008-9	mb 998·1 996·8 996·0 993·6 OO2·3 989·2 OO4·2 OO5·6 OO2·1 999·4 OO3·1 OO6·7 OO9·8 OO2·3 OO3·5 OO8·8 OO8·8 OO8·8 OO8·8 OO8·8 OO2·3 OO8·8 OO8	mb 997-6 996-6 995-8 994-1 001-7 988-2 005-8 002-0 999-0 003-2 006-6 014-1 007-5 002-6 014-6 006-5	mb 003·3 997·2 995·7 992·7 999·3 994·2 991·9 012·3 997·5 001·9 000·9 001·3 004·7 008·2 005·0 009·9 011·0 007·6 012·0 009·9 001·9 009·9
Mean (Sea Leve	Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	mb 009·1 997·5 996·3 995·3 995·3 996·3 005·7 014·9 002·9 992·0 003·1 006·7 009·5 003·1 013·8 006·5 002·4 013·8 005·7 009·8 001·9 005·1	mb	mb 007·7 997·4 995·6 994·3 995·1 985·8 006·6 013·3 001·2 993·0 000·9 002·1 998·5 002·9 004·8 002·7 007·6 019·1 001·5 012·6 010·9 022·4 003·3 002·4 003·3	mb 007·11 997·5 995·5 993·9 995·4 997·6 984·8 007·2 012·8 000·4 993·5 000·9 002·2 998·8 002·9 004·6 012·0 004·6 011·6 002·9 002·2 012·0	mb 006-6 997-5 998-2 998-3 998-3 998-4 008-0 0012-1 999-8 994-0 0012-3 999-0 003-2 006-5 008-2 006-5 008-2 006-101-9 0012-3 005-1 007-6 019-6 019-6 019-6 019-6 019-6 019-6 019-6 019-6 019-6 019-6 019-6	mb 997.6 995.3 993.0 996.7 994.9 908.9 011.6 999.3 994.4 002.3 999.4 003.5 006.7 007.9 006.1 005.8 007.9 019.9 010.9	mb 005-5 997-5 992-8 992-8 997-3 993-5 984-0 009-7 011-1 998-7 995-2 001-7 002-4 000-0 003-8 007-1 011-7 006-7 006-9 008-1 007-5 007-1 011-7 006-7 006-9 012-1	005.1 997.6 998.3 998.3 998.3 993.1 984.4 010.6 000.3 998.0 000.9 002.6 000.3 004.1 007.4 007.7 007.7 007.7 007.7 007.7 008.5 001.4 001.4 004.4 014.7 004.4 014.7 004.2 004.2	004·7 997·6 997·6 995·3 992·7 998·8 993·2 985·0 011·4 010·6 997·4 996·7 002·2 002·6 000·8 004·4 007·5 008·5 011·4 007·5 008·2 008·9 021·5 020·4 011·3 004·4 015·2 025·0 021·9	004·3 997·6 995·0 992·5 999·2 993·2 986·1 011·9 900·1 996·9 997·6 002·4 002·5 001·3 004·6 009·3 011·3 007·9 008·6 009·3 011·3 01·9 000·0 000·3 011·5 001·9	003-8 997-5 995-1 992-2 999-7 993-4 987-5 012-7 009-7 996-5 998-2 002-6 002-4 001-5 004-8 008-2 011-7 008-2 011-7 008-4 008-9 010-1 019-4 010-3 004-3 016-2 025-1 002-1	003-4 997-4 995-1 995-1 992-1 000-0 993-8 988-8 013-3 009-1 995-7 998-6 002-7 001-9 004-9 004-9 001-3 008-6 009-5 011-7 022-5 018-5 009-9 004-5 016-9 025-5 020-5	002-9 997-4 995-3 991-8 000-4 993-9 990-3 013-8 008-8 994-9 999-4 002-7 001-0 002-3 004-9 008-7 010-7 010-7 010-7 011-9 022-4 018-6 009-4 004-7 017-3 025-6 009-3	002.5 997.3 995.4 991.3 000.8 993.8 992.0 014.7 008.4 994.5 002.5 005.0 002.5 0012.1 010.2 008.6 010.1 017.9 008.7 004.8 017.5 005.7	001-8 997-2 995-6 991-3 001-3 993-9 993-9 994-0 999-7 002-5 998-7 002-4 005-1 009-0 002-5 012-5 010-4 008-5 013-8 008-7 004-7 007-8 007-8 007-8 007-8 007-8 007-8 007-8	001-0 997-0 995-8 995-8 991-1 001-6 994-0 995-7 015-5 007-3 993-2 998-5 002-2 998-5 002-5 001-9 010-5 001-9 010-5 008-4 002-2 2017-9 008-4 004-8 018-1 0020-3	000-6 998-6 998-7 998-7 998-7 001-8 993-6 997-5 015-6 092-7 000-0 002-0 998-9 002-6 005-2 001-6 008-2 001-6 008-2 001-6 008-1 008-1 008-1 008-1 008-1 008-1	000-2 998-6 9991-0 002-1 993-0 998-8 005-3 002-0 999-3 002-0 005-3 002-3 002-0 005-3 002-1 009-5 007-6 005-5 005-5 005-5 005-5	999-5 996-6 996-2 991-3 002-2 992-2 000-2 015-8 006-1 1992-2 000-3 001-9 999-4 002-8 005-7 009-6 0010-4 007-2 009-5 016-3 002-5 017-0 007-7 005-8 019-2 005-4 0021-1	999-0 996-2 991-8 991-8 002-4 991-6 001-1 005-4 992-1 000-5 001-8 999-4 003-0 006-0 006-0 006-0 009-7 007-3 009-6 016-9 007-3	998-9 996-6 996-6 996-4 992-5 002-6 990-7 002-3 005-0 992-3 000-7 002-0 999-8 003-2 006-3 009-9 001-9	998-7 996-9 996-4 993-1 002-5 989-9 003-4 015-8 004-8 992-5 000-8 002-1 999-8 003-2 006-7 010-0 002-9 004-9 002-9 015-8 007-1 008-0 002-1 008-0 002-1 006-0 002-0	mb 998·1 998·1 998·3 996·0 993·6 002·9 004·3 992·4 001·0 002·1 999·4 003·1 006·7 009·8 002·3 004·4 008·0 003·5 008·8 014·4 006·0 006	mb 997-6 997-6 998-6 995-8 994-1 001-7 988-2 005-1 001-7 003-8 992-2 006-6 003-2 006-6 009-8 002-6 014-1 007-5 002-9 008-5 018-6 022-6 014-6 014-6	mb 003·3 997·2 995·7 999·3 994·2 991·9 002·2 996·3 997·5 001·3 004·7 008·2 005·0 009·9 011·0 009·9 009·9 009·9 009·9 005·4 016·1 024·7 022·7
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JULY, 1935 VALENTIA OBSERVATORY: Hb (height of barometer cistern above M.S.L.) = 13.7 metres 349. 16 17 18 19 20 21 22 23 24 Mean 11 14 15 6 7 8 9 10 Noon 13 G. M. T. mb mb mh mb mb mb mb mb mb mb mb Day 013-8 014-0 013-9 014-0 014-0 016. 017-3 014-7 014-2 013-9 013-9 013-8 017-8 017-5 016.9 016+5 016-3 015-6 015-4 014-9 019-7 018 • 8 018-4 018-0 020 • 4 018-0 018-2 018-8 019-2 019-7 020-3 021-2 021-6 021-8 022-1 017-0 013-6 013-9 014-2 014-5 014-9 015-4 015-7 016-1 017-6 016 - 5 017-1 013.7 013.5 022-7 022-8 022-9 023-4 023-5 023-8 023-7 023-8 024-1 025-8 026-0 026-3 026-7 027-2 027-4 027-7 028-0 028-1 024-1 024-2 024-3 024-6 024-6 024-8 025-2 025-5 025-5 025-7 025-7 025-6 028-1 028-2 028-2 028-8 028-4 028-3 028-1 028-0 027-9 027-7 027-3 024 -0 3 022 • 2 022 - 3 022 - 5 025-6 025-6 027-0 026-5 026-2 025-8 025-6 025-4 025-6 025-5 025-6 025-5 025-5 025-5 025 • 5 | 025 • 5 | 025 • 4 | 025 • 2 | 024 • 8 | 024 • 6 | 024 • 7 | 024 • 6 | 024 • 7 | 024 • 9 | 024 • 9 | 024 • 8 025 -5 022-9 022-7 022-5 022-2 022-0 022-0 022-2 022-1 022-0 022-0 022-5 021-3 023-023-8 023-7 023-6 023-5 023-6 023-5 023-4 023-4 023-8 024-4 023-9 6 024 - 7 020-6 020-2 019-7 019-4 019-3 019-4 019-5 019-3 019-2 018-8 018-5 018-7 015-7 015-5 015-4 015-1 014-7 014-5 014-1 013-7 013-6 013-7 013-8 014-0 013-4 013-2 013-0 012-7 012-3 012-1 011-9 011-6 011-2 011-0 011-2 011-1 018-4 018-1 017-9 017-4 017-1 018-7 018-7 016-8 018-9 018-6 018-5 018-3 014-1 014-0 013-3 014-0 013-3 013-9 013-9 013-9 013-9 014-0 014-1 013-5 013-9 018 ** 014.3 011-0 011-2 011-4 011-2 011-4 011-6 012-1 012-3 012-9 013-4 013-6 013-6 019-4 020-1 020-3 020-7 020-9 021-4 022-0 022-3 022-7 023-0 023-4 023-5 012-1 014.0 014.1 014.3 014.7 015.2 015.8 016.4 016.9 017.4 017.8 018.4 018.9 018 · 10 024-2 024-2 024-0 023-5 023-2 023-2 023-2 023-3 023-3 023-4 023-0 022-7 021-2 020-5 020-2 020-1 019-9 019-5 019-4 019-4 019-8 019-5 019-1 018-7 023-023-5 023-7 023-6 023-7 023-7 023-7 023-9 024-0 024-2 024-4 024-5 024-6 024-3 020 - 6 022-1 021-8 021-4 021-1 021-2 021-2 021-1 020-9 021-0 021-2 020-9 020-8 018-3 018-1 017-6 017-6 017-2 017-3 017-5 017-6 017-7 018-0 018-0 018-3 018-8 | 019-3 | 019-5 | 019-9 | 020-2 | 020-8 | 021-3 | 021-9 | 022-4 | 023-2 | 023-7 | 023-7 | 025-8 | 025-7 | 025-8 | 025-7 | 025-7 | 025-7 | 025-8 | 025-7 | 025-8 | 025-7 | 025-7 | 025-7 | 026-2 | 026-3 | 026-3 | 026-4 | 026-2 019-4 -13 023-9 024-5 024-8 025-2 025-2 025-3 025-4 025-6 025-6 024-7 024-7 024-7 024-8 024-8 024-8 024-8 024-8 024-8 024-8 025-4 024 - 7 024-4 024-2 023-9 023-7 023-5 023-5 023-2 023-1 023-2 022-9 022-6 024 - 3 15 026 - 1 025 - 7 025 - 1 020-020-6 | 020-2 | 019-6 | 019-2 | 019-0 | 018-8 | 018-5 | 018-4 | 018-6 | 018-4 | 018-2 | 018-1 021-0|021-1|021-0|021-0|020-9|020-9|020-7|020-7 16 022-21 023-81 023-61 017-9 017-8 017-6 017-2 017-1 016-3 016-2 015-6 015-6 015-5 018-4 018-2 018-1 018-2 018-2 018-1 018-2 017-7 017-7 017-7 017-6 017-7 018-0 018-0 018-1 018-1 018-1 018-1 018-1 017-1 17 011-6 011-4 011-6 011-6 011-8 011-9 011-8 011-8 011-9 003-3 002-0 000-6 999-8 999-7 999-5 999-4 999-1 998-9 011. 013·3 012·6 012·0 007·6 006·3 005·0 000·1 001·1 002·2 999 • 9 19

017-6 | 017-9 | 018-2 | 018-5 | 018-7 | 019-0 | 019-4 | 020-0 | 020-5 | 021-0 | 021-4

023-6 023-8 023-7 023-4 023-5 023-5 023-6 023-5 023-5 023-5 023-5 023-5 023-5 023-5 023-5 023-6 022-6 022-5 022-5 022-4 022-7 022-9 023-3 023-7 024-0 024-3 024-6 022-6 028-1 028-2 028-3 028-2 028-2 028-2 028-6 028-9 029-3 029-3 029-1 028-8 027-1 027-0 026-7 028-3 026-1 026-2 026-3 026-2 028-4 026-5 026-4 028-4

024-6 | 024-4 | 024-4 | 024-2 | 024-0 | 023-5 | 023-4 | 023-1 | 023-3 | 023-4 | 023-0 | 022-7

019-9 019-5 019-5 019-5 019-3 019-2 019-3 019-3 019-4 019-5 019-6 019-6

021-5 021-3 021-2 021-2 021-3 021-2 021-3 021-2 021-5 021-5 021-9 021-9 022-2 022-6 024-8 024-7 024-5 024-8 024-7 024-9 024-8 024-7

018-7 | 018-4 | 018-1 | 017-8 | 017-7 | 017-8 | 017-9 | 017-9 | 018-1 | 018-3 | 018-5 | 018-5

023-7 023-4 023-0 022-5 022-1 021-8 021-8 022-0 022-0 021-8 021-6

021 - 9

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l	(Station Level)	-20	•02	•80	<u>·67</u>	•69		•97	•07	•11	•12	•11	•05	•95	•90	•88	•98	•09	•30	<u>•40</u>	- 36	-31	•04
I	Mean (Sea Level)	1021 •85														1021 •52						1021 •96	1021 •68
Į																							

023.8

1020 | 1020 | 1019 | 1019 | 1019 | 1019 | 1019 | 1019 | 1019 | 1019 | 1020 | 1020 | 1020 | 1020 | 1020 | 1020 | 1020 | 1019 | 1019 | 1019 | 1019 | 1020 | 1020 | 1020 | 1020 | 1020

018-2 017-8 017-2 017-3

003-1 004-5 005-7 006-8 007-9 008-9 009-7 010-7 011-6

019-1 019-2 019-0 018-8 018-7

022-0 021-9 022-0 022-1 022-3 022-4 022-9 023-2 023-6 023-7 023-8 022-7 023-2 022-7 022-4 022-5 022-4 022-4 022-4 022-4 022-4 022-5 022-4 022-4 022-6 022-7 025-1 025-1 025-4 025-5 025-8 026-1 026-7 027-3 027-6 028-0 028-1 028-2 028-2 028-2 028-7 028-3 028-1 027-8 027-7 027-8 027-8 027-8 027-7 027-5 027-4

026-1 025-9 025-5 025-3 025-4 025-3 025-4 025-3 025-4 025-3 025-1 024-9 024-7 022-2 021-7 021-5 021-3 020-9 021-1 020-5 020-5 020-5 020-4 020-3 020-0 020-0 019-4 019-5 019-5 019-5 019-8 020-0 020-5 020-7 021-3 021-3 021-4 021-4

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024-6 024-5 024-3 024-3 024-4 024-5 024-5 024-4 024-1 024-0 024-0 024-0

021-3 020-6 020-2 020-0 019-6 019-5 019-7 019-6 019-7 019-8 019-5 019-2

3 50	. VALE	NTIA	OBSER	VATOR	Y: H	b = 1	3·7 m	etres															,	AUGUS!	r, 19	35
•	Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	шb	mb	mb	mb	mb	mb	шb	mb	mb	mb	mb	mb	шр	mb .	mb	
T	1							019-3																023 • 7		
- 1	2							024 - 5																026 - 3		
- 1	3							026 • 4																		
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	5	024.1	024.1	024-1	024-1	U24.2	024.5	024.9	025.4	025.6	025-9	025-8	020.1				1				ł					ı
	6							028 - 5																027-9		
)	7							025 • 6																018-8		
ľ	8							015.7																018-2		
	9	018.3	018-1	018 • 2	018-1	018.2	018-3	018-5	018.8	019-1	019.5	019.5	019.6											019:7		
ł	10	019-1	018.6	018-3	018-1	017-6	017-8	017-6	017.6	017.7	017-7	017.5	017-2	017.0	017-0	016.7	016.1	015.8	015.4	015.3	014.9	014.9	014.7	014.5	014-1	ı
	11	013-5	012.7	012-5	012-0	011-6	011.5	011.2	011.0	010-9	010-8	010-5	010-0	009-6	009-1	008 • 5	3.800	007-4	006 • 8	006-3	006∙£	006-4	006-1	005-9	006-2	I
	12	006 • 4	007-1	008+0	8-800	008-9	010-6	011.6	011.9	013-1	013.7	014 .4	014.9											018-7		
Level-	13	019-0	018 - 8	018 . 8	018.9	019-3	019-4	019.7	020-0	020-2	020 - 4	020-6	020-6	020 • 6	020 • 4	020-5	020-3	020-3	020-2	020-2	020-3	020-4	020-5	020-3	020-1	1
بة	14	020.1	019-8	019-7	019.5	019-4	019.4	019-6	019.7	019-8	019.9	019-9	019.8	019.8	019-8	019-6	019-6	019.3	019-3	019.3	019.5	019.6	019.5	019-0	018-9	ı
n L	15	018.7	018-4	018-2	017-8	017-7	017.7	017-9	017-8	017-7	017-7	017-7	017-6	017-5	017-6	017-6	017-1	016.9	016.6	016・3	016-1	016.2	016-2	016.3	016.2	١
Station	16	016-0	015-7	015-5	015-2	015-2	015-3	015-5	015-6	015-6	015-5	015-6	015-4	015-3	015-4	015 • 2	015 • 1	015-0	014.9	015-1	015-3	015.5	015-4	015.4	015-4	Ì
Š	17	015.3	015-0	014 - 7	014.4	014.1	014.2	014 - 3	014 - 2	014 - 3	014.1	014 - 2	014.2	014.1	014.0	013-8	013-6	013-6	013.5	013.7	014.0	014.0	014-1	014-1	014.5	Į
Ĩ	18	014 • 4	014.5	014 - 7	014.7	014 .8	015.1	015.5	015-9	016 - 4	016 -4	016 . 7	017-1	017.2	017-1	017.1	017-2	017.5	017-6	017.5	017-6	017.9	018-1	017-9	017.8	ı
- 1	19	017.6	017.5	017-3	017.3	017-3	017-5	017-6	017.8	018.1	018 - 2	018 • 4	018-6											017-7		
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	21	007-5	006 • 6	007-2	007-6	008-8	009-6	010-5	011-0	011.7	012-1	012-6	012-8	013-1	013-5	013-6	013-5	013-4	013-1	013-1	C13·1	013-1	012.6	012-2	011-4	ı
- 1	22	010.7	010.1	009-2	008-3	007-4	006-9	006 - 7	006-7	006 • 5	006 • 3	006-1	005-6	005.3	005-2	005 • 0	004-6	004 • 6	004 • 4	004-0	005 - 2	006-0	005 - 7	006-0	005-9	I
1	23							008-1						009-8	010-0	010-3	010-5	010.7	011.2	011-4	011.8	012-1	012-2	012.4	012.5	١
	24	012-6	012 • 9	013-0	013-1	013.4	014.2	014.9	015.7	015.8	016.3	016 . 7	017-4	017.8	018-1	018 • 5	019-1	018-9	019-4	019-8	020-3	020-5	020-9	021.2	021.4	ı
	25	021.3	021 · 3	021.5	021.4	021.7	021.8	022-4	022.5	022-6	022-5	022-5	022-2											018-5		
	26	016.7	015-4	014.3	012-8	011.9	011-0	010-4	009-6	008-5	007-4	005-8	004 • 2	003-1	002-4	002-2	002-3	002.7	002-5	003-1	003-8	004-1	004-3	004 • 4	004-4	I
	27	004.1	003-8	003-6	003-6	002-9	002-9	003-2	003-4	003-0	002-8	002.6	002-4	002-4	002-2	001.8	001.3	000-9	000 • 6	000-5	000 • 4	000-4	000-3	000-1	000-2	ı
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١.	29	006 • 9	006 - 7	006-7	006 • 4	006-3	006-3	006-3	006 • 4	006 • 4	006.3	006-1	006 • 0											005 • 4		
	30	005-0	004 - 7	004 - 5	003-8	003-3	003-0	003-0	002-8	002-6	002-5	002.7	002-5	002-6	002-7	002-6	002-4	002-6	002-7	002-9	003-3	003-6	003-7	003-7	003-7	l
\downarrow	31	004-0	004 • 0	004-2	004-2	004-5	004-9	005 • 4	006-0	006-3	006 • 5	006-9	007-2	007-3	007-7	007-7	007-8	007-6	007-6	007-9	008-3	008-4	008-5	008-2	008-1	1
ın		1015	1015	1015	1015	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	Ī
	Level)	•54				•99							•66	•65		•55		-38	•33	•33	•54	•72		•51	•39	١
n		1017	1016	1016		1016	1016	1017	1017	1017	1017	1017	1017									1017	1017	1017	1017	Ī
Lev	el)	•19	- 96	•85	•69	-64	-81	•04	-20	•29	•33	<u>·37</u>	•30	-29	•25	•19	•09	•02	-97	•97	•19	•37	-28	•16	•64	ļ
G	Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	I

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

351. VALENTIA OBSERVATORY: Hb (height of barometer cistern above M.S.L.) = 13.7 metres

SEPTEMBER, 1935

	Hour M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	M
4	Day	za b	æb	mb	mb	шþ	mb	mb	шþ	mb	шþ	mb	ďa	шþ	mb	шb	wp	m'b	mb	mb	mb	mb	mb	mb	mb	1
1	1	007-9	007-3	006-8	006 • 4	005-9	005 • 5	005.0	004.5	004 • 4	004-0	003.0	002.0	001.3	000 • 9	000 • 3	000.3	000-4	000 • 5	8.000	00T.S	001.2	001.9	005.1	002.2	100
- [2	002-5	002-6	002-8	002.7	002-9	003.3	003.9	004.2	004.8	005•3	005-6	005.7	005 • 7	005-8	005.9	005-9	006 • 0	006 • 3	006-5	007-0	007.3	007-4	007.4	007.5	0
ŀ	3	007-4	007-4	007-3	007-3	007-3	007-3	007-5	007-8	007.9	008.0	007.9	008.0	008-0	008 • 1	007.8	007.7	007.7	007.7	007-4	007.7	007-8	007.8	007-8	007.7	10
	4	007-5	007-2	007-1	007-2	007-1	007-2	007-6	007.7	007-9	008-1	008 • 4	008-5	008 • 3	008 • 4	008-1	008 • 0	008 • 1	007-9	008 • 2	008-8	008-9	009.5	009.6	009.8	ľ
1.	5	009-7	009-8	009-8	009-8	009-7	009-7	009-6	009-5	009 • 5	009-8	009-4	009-6	009•5	009-6	009-4	009-6	010-4	011.5	012-0	013.1	013.9	014.3	014.9	019.5	١
	6	015-6	015-9	016-1	016-3	016-8	017-5	017-6	017-9	018-4	019-0	018-8	019-4	019-1	019-2	019-2	019.0	019-1	019•3	019-3	019-6	019-6	019-3	019-2	018.9	19
1	7	018-8	018 • 6	018-2	018-0	018-0	017.9	018.0	018-0	017.8	017-8	017.4	016.8	016.0	015-8	015.4	015.3	015-4	014 • 8	014.7	014.6	014.2	013.7	013.4	013.0	13
1	8	013-1	012-5	012.1	012-0	011.9	011.9	011.9	012.0	011.9	012.2	012-6		012.6	013-0	013.3	013.5	013.9	014 • 0	014.2	014.8	015-0	072.0	012.1	010.4	Ľ
1	9	015.5	015.4	015-4	015.3	015.4	015-6	015-9	016.0	015.9	016-1	016-5		016-4	015-9	016 • 1	016.0	016.5	016 • 3	016.3	016-4	018 • 7	078.8	016.7	078.3	13
	10	016.5	015-8	015.7	015-4	015-2	015-2	015.2	015-1	014-8	015.0	014.7	014.6	014.9	014.5	014.4	014.4	014-1	013-9	013.4	013-1	015.0	011.4	010.9	009.6	ľ
	11	008-9	008-1	007-7	007-0	007-0	006-8	006-9	006-6	006 • 4	005-7	004-5	004-1	003-4	002-8	002.1	001.4	001.0	000-4	000-5	000-3	000-2	999 • 7	999-5	999.3	9
-	12	999 • 7	999-7	999-3	998 • 9	999-5	999-9	999-8	999-8	000-0	000-0	999-9		999-1	998 • 8	998 • 1	998 • 0	997.7	998 • 5	999-4	000.5	001.0	001.2	001.8	002.2	
<u> </u>	13	002-6	002 • 7	003-0	003-3	003-2	003-3	003.3	003-4	003-6	003-4	003-8		003-5	003-1	002-6	005-0	001.8	001.6	000.6	000-5	999-8	998.8	998.8	996.1	Ľ
ย์	14	998 - 7	998 • 3	998 • 3	998 • 3	998 • 5	998 • 9	999 •8	000 - 2	001.2	002-1	003.0	003-6	004 - 2	005-5	004 • 6	004 • 8	004 • 4	004 • 0	003.3	002-4	000.7	999.0	996.9	995.2	Ľ
Ĕ	15	993-9	993 • 3	992 • 5	991.6	990-9	990-6	990-3	990.0	990 • 1	991.9	993.1	994.3	994-9	995 • 4	995 • 7	995-8	996•0	995 •8	995.7	996 • 0	996 • 2	980.0	996.4	990-4	ľ
Station	16	996 • 4	996•3	996-0	995 • 7	995 • 5	995 • 3	995-1	994 • 3	992.9	991.7	990-2	987.0	983-2	977 • 8	971.3	970-1	967-3	965 • 0	963-6	964 • 9	969-6	974 - 3	978-1	979-8	ŀ
ফ	17	981.7	983.6	985 • 3	987.1	988 • 4	990 • 0	991.2	992 - 7	993.7	994 • 4	995-6	996 • 2	996 • 8	997.5	998.5	998.8	999.6	000.4	000.4	001.4	005.1	002.8	003.3	003.7	
1	18	004-1	004-1	004 • 2	004-2	004-4	004-8	005.2	005 • 5	005-5	005-4	005·1		003-8	002.5	1000-5	999.1	997.5	996.2	994.5	992.9	99T-9	88T-0	997.7	991.4	H
1	19	991.6	991.8	992.1	992-6	993-0	993.6	994 8	995.8	997.0	998 • 7	999-7		002·0 015·9	002.7	002.9	002.9	003.7	004.9	005.2	000.0	000.1	070-1	010-9	018.7	
	20	007-1	007.5	007.9	008-4	009-1	010.0	011.0	015-1	013.1	014.0	014-9	012.2	012.8	010.0	070.0	017-1	017-7	010-0	070-1	019-1	019-0	019-2	019-0	010-7	ı
1	21	018-5	018-2	017-1	017-3	016-3	016-0	015-4	015-3	015-1	015-1	015-1	015-0	014-7	014-1	013-8	013-5	013.4	013-4	013-4	013-6	013-5	013-4	013-4	013.1	ŀ
- 1	22	012-8	012.3	012-0	011.8	011.7	011.6	011.4	011.2	010.8	010-3	010-2	010-4	010-8	012-0	013-0	013-9	014.4	014.9	015-6	016.5	016.8	017-3	017-7	017-8	ı
1	23	018.0	017-8	017.7	017.5	017-3	017.3	017.5	017.5	017.4	017.4	016.9	1016 • 2	015.4	014-8	013.6	013.0	011.7	010.7	009-8	009-4	009-2	008-8	008 • 6	008 • 3	ı
1	24	007-8	007-1	006 • 6	006 . 2	005 • 6	005-1	005.1	005-1	005 • 4	005-2	005.1	005-2	005 • 4	005-3	005-6	005 • 9	006-6	007.5	008 • 4	009-4	010-8	011.5	012-1	012.9	ı
	25	013-9	013-9	014.3	014.7	015-4	015-9	016-6	017-2	017-9	018-2	018-7	019-0	018-8	018•7	018-4	018.3	018.1	018 • 2	018-0	018-1	017-6	017-1	016-6	015-6	
1	26	014-8	014 · 2	013-3	012-4	011-4	010-5	009-9	009-4	008-8	008-7	008 • 8	008-4	008 • 5	008-0	007-7	007-7	008-0	008 • 7	008-4	008 • 5	008-7	008 - 5	008-3	008-6	l
	27	008-3	008-4	008 - 2	008-0	008 • 0	008-1	008 • 4	008-6	008-7	008 • 7	008-6	008-6	008-7	008-5	1008 • 3	1007-9	1.800	1008	1008-1	1007•7	1007-4	1007-21	1006 • 7	006-4	1
	28	006-0	005 • 6	005 • 6	005-0	004 • 5	004.8	005-0	005 • 3	005 • 6	006-1	006 • 2	006 • 3.	I 006 • 5	1006 - 7	1006 • 9	1007-1	007-4	1007-8	008 • 3	008•9	009-1	009.2	009-2	009.5	1 '
	29	009-3	009-1	008 - 8	008-7	008 • 4	.008-1	007-4	007-0	006 - 7	006.1	005 • 0	003.7	002 • 7	002-6	003.2	003-3	003-4	003-3	003-0	002.5	002.7	002 • 4	002-2	1002-2	Ľ
Ψ	30	002-0	001-8	001.9	001-6	001-4	001.1	001-3	001-2	001-0	001.0	001.1	001.0	000-5	000-3	000-1	000+0	000-0	000-3	000-5	000-7	000-8	000-9	000-6	000-6	ľ
																								ļ	ļ	L
i tion	Level)	1007 •01		1006 •77	1006 •69	1006 •66	1006 •76			1007 •14		1007 •33	1007 •23	1007 •02	1006 •83	1006 •45				1006 •28	1006 •50	1006 •66			1006 •76	
Leve		1008	1008	1008	1008	1008	1008	1008	1008 •66		1008	1008	1008	1008	1008	1008	1007	1007	1007	1007	1008	1008	1008	1008	1008	T

352. VALENTIA OBSERVATORY: Hb = 13.7 metres

OCTOBER, 1935

	52. VALI															,							,			
•	Day	шb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb cos.o	mb	mb	mb	mb 999-8	mb 003
	ī	000.5	000.6	994.9	001-0	991.7	001·8	001.0	001.5	003.9	990.4	989.4	009.4												975-1	
ļ	3						975 - 4									981-6										
- 1	ă	989-5	989-9	990-0	990-9	991-3	991-8	992-5	993-1	993.8	994-3	994 - 8	995.0	995-0	995 - 2	995 - 6	995-8	995 - 8	996 • 0	996 - 2	996 - 2	997-0	997.1	997-4	997-7	994
	5	998-0	998-3	998-4	999-0	999-4	999-3	999-6	000-0	000-1	000-3	000-3	000-4	000-5	000-6	000-6	8+000	000-9	001.1	001.3	001.6	001-9	002-4	003-0	003-5	000
}	. 6	004-1	004-8	005-1	005-6	006-1	006-8	007-5	008-2	008 • 8	009-4	009-9	010.3												013-6	
- 1	7						013-0																		002-5	
- 1	å						000-4							996.5	998-1	004 - 3	991.9	080.0	087.1	986.6	087.4	990-0	000.1	005.5	993·2	996
- 1	10						998-8							005-8	006.4	006-9	007-2	007.7	008.0	008-3	008 • 7	009-1	008 - 8	009.1	009-3	003
	11						011-0							014.5	014-9	014.9	015-1	015.5	016.1	016-6	016-7	017-1	017-6	018-1	018-5	013
Ţ	12						020-6							023-1	023-0	023-0	023.0	022.9	023-0	023.1	022 - 8	022-4	022 - 2	021.8	021-4	021
S _a	13 14	020-9	020-6	078.4	030-8	078-5	017·7 021·5	017.1	016.4	012.8	015.1	014.2	013.8	013·3 022·9												
ت	15	021.0	020-4	019-6	019-1	018 - 6	018-6	018-4	018-6	018-5	018-6	018-6	018.7	018.5												021
Station				l		1		l								l		1	l		ł	İ		l		020
. ta	16						021-6						025-6	025-8	026 • 1	026 - 9	026-8	027.1	027-8	027-9	028-1	028 • 4	028 • 7	028-4	028-3	024 -
တို							026 - 7						026 - 6	026-0	025 • 8	025 -8	026-0	025.7	026 - 2	026 • 4	026 • 5	026 • 9	026 • 9	027-2	026-9	026
1	18 19						024 · 3							018·5 011·7	015.4	014.3	013.5	010.4	012.2	008 - 5	009 • 7	010.0	010-2	010.0	010.0	018
	20						016-5						020-1	019-9	019-8	019.7	019.6	019-9	019-1	020-4	020-5	020.5	020-3	020-1	020-0	011· 018·
1	21	019-6	019-3	018-8	018-4	018 · 3	018-2	017-8	017-8	017-5	017-3	016-8	016-4	015-8	015.3	014-8	014-9	014.4	014-5	014 • 5	014.7	014-9	015-0	015-0	014-8	016
	22						012-6						008 • 9	008 • 5	008 • 2	008 • 2	008-0	008.0	008.0	008-0	007.5	007.1	006 • 8	006-0	005-3	010-
	23						998-8							000-4	001.2	001.9	9-200	003.1	004-2	004 • 9	005-8	006 • 5	007.1	007.7	008-1	002
	24 25						016-1							020-1	020-2	020-5	020-8	050-8	012.4	051 • 3	021 -8	012.2	012.4	012.3	012.7	011
1		1	-	1		ł	1	!						l			İ	1	1				1			1
	26 27						023-6						025 - 2		024.8	024.7	024.8	024.8	024 • 8	025 • 0	025-0	025.3	025.0	025-0	024.8	024
	28						022.5							025-3	025-2	025-0	024 - 8	025.0	024.9	021-2	020-7	020-6	021.2	051.3	021.4	022
. 1	29	020-9	020-1	018-8	017-3	016 - 1	014-7	013-8	014.2	014-8	015-4	016-6	016-7	016.8	016.8	016-9	017.2	017.7	017-0	017-4	016.6	016.0	015-2	014-8	013.8	016
Ì	30	012.4	010-5	009-3	007-7	005+9	004 • 7	003-1	001.8	000-7	999-5	998 • 3	997.0	995 • 7	994 • 3	992 - 6	992-3	991.7	992-1	991.9	991.3	991-0	991-1	990 • 7	990-6	998
\perp	31	990-2	989-6	989-5	989-2	988 • 9	988-1	988-0	987-9	987-5	987-2	987-0	987-0	986 • 5	986-4	986•8	987-6	988 • 1	988 • 8	989-8	990-4	991-0	991.2	991-6	991-8	988
Mean		1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010		1009	1009				1010	1010	1010	1010	1010
Statio	n Level)	•37	•21	•95	•82	<u>· 78</u>	·81	•93	•19	•42	•59	<u>•65</u>	•59	•36	•17	•02	•93	•81	-93	•03	•11	•28	•34	•29	•22	· 1
fean		1012	1011		1011		1011	1011	1011		1012		1012	1012	1011		1011					1011		1011	1011	101
Sea Le	eveT)	•03	-87	·61	•48	-44	•47	•59	•85	-08	•25	<u>•31</u>	•25	•02	•83	•68	•59	•47	•59	•69	•77	•94	•00	•95	•88	
G	Hour J. M. T.	1	2	- 3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

353. VALENTIA OBSERVATORY: Hb (height of barometer cistern above M.S.L.) = 13.7 metres

NOVEMBER, 1935

G	Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
· ↑	Day	шb	mb	шþ	шb	mb	m b	mb	шþ	mb	mb	mab	mb	mb	mb	mb	mb	mb	шb	mb	шb	mb	omp .	mb	mb	
- 1	1	992 • 1	992 . 2	992.3	992 • 4	992 - 8	993.6	994 - 5	995 -6	996 . 2	997.5	998 · 3	399.0	999 • 1	1999 • 0	999 • 0	999.0	998 • 6	998 • 6	998.1	998.3	997.8	997.8	997.3	996.8	99
- 1	2	995 • 9	994 - 3	992.2	991.2	990 .8	992.0	993-2	994 • 9	996.0	996.9	998 • 1	998 • 8	998 • 8	999 · 3	999 • 4	999 • 7	000.1	999 • 9	999 • 3	999.1	998 - 5	997.3	996 • 1	994.9	99
	3	992 • 4	990 · 3	988.0	985 • 7	984 • 4	982.9	982-1	982 • 8	982 · 3	982.2	981 • 4	980.1	979 - 2	978 - 2	977.9	977-8	978 • 2	978 • 2	978 • 5	978 . 6	978 - 9	979.6	979.3	979.8	98
- 1	4	980 • 0	980 - 8	981.9	983-4	985 • 0	986 • 6	987-8	989 - 7	990.9	992.2	993.9	994 · 7	995 - 5	996 • 5	997.5	998.3	999.0	999 • 6	000.5	000.5	0000	999.9	999.2	998.3	99
	5	997-1	996-5	995 • 7	996-0	997 • 0	998-0	998-9	999 • 8	000.7	001.4	002-1	002-7	002.9	003-1	003-3	003-5	003.9	003-9	004 • 1	004-1	004-1	003.9	003-4	002.9	00
1	6	002-7	202.2	001-8	001-4	001.6	001.6	001.9	002-2	002-5	002.5	002-6	9-300	002-9	202-6	002-6	002-4	002 • 5	002.6	002-3	002.1	001-7	001.5	001.2	000 - 7	00
Ī	7	000.0	999-6	998 • 9	998.1	997-3	997-0	996 • 5	996 • 3	996.1	995 · 8	995 • 5	994.8	994 · 1	993.2	992 • 4	991.9	991.2	990 • 8	990 • 6	388.8	989 • 9	989.8	990.2	990.9	99
	- 8	991.8	992.8	994 • 6	995 • 7	996 - 6	997-2	997.9	998 • 6	998 • 8	998-6	998 · 2	997-4	996 • 6	995 • 2	994 • 0	992.0	990 • 4	989 - 3	987-4	988 • 2	988 - 4	988 • 3	988 · T	987.8	99
- 1	9	987.1	986 • 6	986-1	985 • 6	984 - 8	983.5	982.0	981.4	981.0	981.4	981.6	981 · 7	982 · 3	983-4	985 • 0	986 • 4	987.9	989 1	990 • 1	991.0	992 • 4	993.2	994.0	995.2	98
	10	995 • 7	996 • 2	996 • 8	997-6	998-2	999•0	999-9	000.8	002-0	002.7	003-4	003-8	004-3	004-8	005 • 3	006-0	006 • 7	007-2	007-6	008 • 1	008-3	008-4	008 • 5	008-4	00
i	11	008-1	008-0	007-3	006 • 8	006 - 1	005 - 2	004 - 2	003-2	002-4	001-0	999-5	997 • 6	995 • 6	994 - 1	995-6	995-9	995 • 9	996 • 2	996 • 3	996 • 4	996 - 9	997-1	997.5	997-3	99
	12	997-3	997•3	997.3	997-4	997-6	997.8	998 • 1	998 • 1	998 • 6	998 • 4	998-2	997.8	997-1	996 • 6	996.0	995 • 4	394 • 9	994 - 2	993.7	993.6	993.2	992.8	992.3	992.1	٦
Level	13	991-8	992.8	994 • 4	996 - 1	997-4	998.1	998 · 8	999 • 1	999 • 1	999.5	000.5	001.5	001.6	001.7	001.7	001-8	001.7	001.4	001.1	000.4	999.6	998.7	997.6	996.6	99
بة	14	995 • 5	996 • 9	996 • 8	997-0	997 • 2	997.5	997.8	998-1	999.0	999.2	999 · 3	999.6	999 - 3	998 - 9	998 • 4	998 · 1	997.6	997•3	997.0	996.6	996 - 3	995.7	995.1	994.9	9
	15	994 • 6	993-8	993.3	992-9	992-6	992 · 2	992-2	992 • 4	992.8	993.1	993.1	992-9	992-8	992-5	992.3	992•3	992 • 6	992 • 7	992.8	992.8	992-9	992.9	992.9	883.0]°
Station	1.6	992 • 4	992-1	991-9	991.5	991.5	991.2	991-1	991 • 1	991.4	991.3	991.0	990 • 6	990 • 3	990 • 1	989 • 9	989-9	990 • 0	990 • 3	990 • 6	990 • 7	991-1	991.5	991.7	991.9	9
\bar{c}	17	992.0	992-1	992.0	991.9	991.8	992.1	992.2	992 - 3	992 • 4	992.9	993.1	993.8	993.8	994 • 4	995.9	997.6	999.6	000.9	00T-8	002.9	003.3	003.7	004.2	006.4	0
- 1	18	004 • 9	005 • 1	005-4	005-6	005-9	006.1	006.3	006 • 7	006 • 7	006.6	006.6	006.2	005.7	005.5	004.6	003.9	003.1	2.200	001.2	007-0	000-0	999.0	990-0	001.0	9
	19	995 • 0	993.1	992 • 4	990 • 6	989 • 2	987.8	986 • 7	985 • 7	985.5	986 . 7	986.8	986.4	985 • 6	984 - 7	985.8	986.9	988.0	808.T	909.9	990.9	990.0	991.2	991.4	201.4	99
- [20		1		1					ľ	1	1	1	997-0	l	1		l	1							
- 1	21	000 • 7	000-7	000-6	000-5	000-5	000.6	001-1	001.2	001.5	202-1	002-6	002.9	002+9	003-2	003-7	004 - 3	004 - 4	004 - 5	005-0	005-5	005-9	006 - 2	005.9	006 • 3	0
- 1	22	006-4	006 - 3	006 - 2	006 - 1	006 • 1	006 • 0	006-2	006 - 2	006-2	006.3	006 • 7	1006 • 5	006 • 2	005 - 8	006-0	006 • 4	306.8	007-4	007-6	007-6	007-7	008-2	008 • 4	008 • 7	10
	23	008-6	008-7	008 - 8	008-8	008-9	009 - 2	009+5	010 - 1	010.6	011.2	011.5	011.4	011.3	l011·3	011.3	011.6	012.5	1012 • 9	013-8	014.3	015 • 1	015.7	016.1	016-3	0
Į.	24	016.6	016 - 8	017-1	017-4	017.8	018 - 2	018-7	019-5	020.2	020-8	021.4	021.3	021.2	021 - 1	021.3	021-9	022 . 2	022 • 4	022 - 9	022.9	022.9	022 - 8	023.1	023.1	10
-	25	022-9	022 • 4	022.0	021.2	020-9	020-5	020-8	020 • 4	019-9	019-4	018.7	017.5	016-6	015-6	015-1	014-6	013.7	013-7	013.3	012.8	012.5	012.2	011.8	011.5	١٥
	26	010-8	010-2	009-9	009 - 7	010-8	011-4	011-8	012.5	013-0	013-4	014-0	014-1	014.0	013-9	013-9	014-1	014.5	014 - 8	015-1	015.6	015.7	016-0	016.0	016.0	٥
	27	015-9	015-8	015-6	015 - 4	015 • 4	015-1	015.1	015.0	014.9	014.4	013.9	012.7	012-1	1011-0	009-6	009-1	008 • 6	008 • 0	007-4	006 • 5	006-2	005 • 9	005.5	005.2	10
	28	004 - 7	004 • 3	004 - 0	003-5	003-4	003-4	003-4	004 • 4	005 - 2	005 • 7	006 - 8	007-2	007-5	007 - 3	007.7	008 • 3	008 • 2	008 • 9	009-0	009 · 3	009-4	009-6	009-8	009 • 7	0
	29	010-1	010.0	009 - 7	009-1	008 - 2	008-3	008-1	008 - 2	008 - 5	008-6	008 - 7	008 • 3	008-1	007-7	007-4	007-5	007-3	006 • 7	006 • 2	006 • 3	006-0	005-6	005.1	004.8	0
V	30	004-1	003-0	001.9	000-8	000+4	000-0	999・4	998 • 9	998-1	996-8	995-1	992-6	989 • 4	986 • 8	985 • 6	985 • 9	986 • 5	987-8	988•0	988 • 3	988 - 2	988-1	988 • 2	988-0	9
															 				<u></u>							L
an ation	Level)	999 •97	999 • 7 3	999 •57	999 •38	999 •41	999 •49	999 •64	•98 •98	1000 •26		1000 •64	1000	1000 •13	999 •83			1000 -22	1000 •38	1000 •43		1000 •51	1000 •47	1000 •31	1000 •18	1
an		1001	1001	1001	1001	1001	1001	1001	1001	1001	1002	1002	1002	1001	1001	1001	1001	1001	1002	1002	1002	1002	1002	1001	1001	ı

DECEMBER, 1935

354. VALE				·	_			г.		· ·														1, 193	_
Dey ↑ 1	mb	mb .	mb	ab oos o	mb	mb	mb	mb	mb	mb	mb	mb	388 · 8	mb	mb	mb	mb	mab col.s	mb	mb	mb coo.i	mb 001.0	mb occo	mb	98
1 :													997.5												
3	996.0	993-0	992.1	004.9	995.6	003.3	999.1	990-0	990.0	990.0	991.4	003-1	993.2	003.3	999-9	005-1	008.8	008.0	999-1	000-1	200.0	000.4	002.4	003.0	99
1. 3													996.3												
5													012.3												
6													011-0												
. 7													009-4												
8													015.9												
9													026 • 4												
10	031.8	032-0	032-3	032-4	032.5	032.9	033-2	033-8	034 - 8	035 · 3	035 • 5	035 · 3	034 - 9	034 - 7	034 - 6	034 • 6	034 • 7	034 · 8	034 · 8	034 • 9	034 • 9	034 • 9	034 • 8	034.6	2
11 12	034 - 1	033-7	033-4	033-0	032.5	032.4	032-1	031 - 9	032-1	032.1	031.9	031.6	031.0	030-8	030-7	030-8	030-8	030-8	030 - 7	030 - 7	030 - 7	031.0	031.1	031.0	
13	000.3	030.9	1.000	030.2	028.7	098.4	030.1	020.8	037.5	031.4	031.5	007.7	030·5 027·0	030.5	1030.5	020.3	020.2	034.0	030.6	030.6	030.7	030.4	030.2	1020.0	
2 14	02813	020.2	020-1	018.0	018.8	015.3	020.3	012.4	020.4	011.3	020-1	000.0	007-8	020-2	007.4	007.5	007.7	007-0	007.0	007-7	023.8	000.0	000.3	200	
بًا <u>15</u>	008.1	008-2	008-0	007.8	007.4	007.0	008.7	000.6	016.7	011.3	010-1	006.7	006-4	001-2	007	200	007-7	001.8	001.0	007-7	007-3	000-0	000-3	000.4	
u o			ì	1		l	ı	1		Ì			l	l										İ	ı
بة 16	008 • 0	008-0	008.1	008 • 0	007.9	007.9	008 · 3	008 • 6	9.800	008-7	008 · 7	008 - 3	007-9		006 • 7										
3 17	002.0	002.0	002.2	002.8	003-4	004.0	005.0	005 - 7	006-8	007.7	008 • 5	008 • 8	009-0	009-4	009-7	010.3	010-8	011.5	011.9	011.7	011.8	011.9	012.0	011.8	1
18	011.2	010.7	009.9	009.2	1008 - 3	007.1	008.2	005-6	005.0	004.0	003.0	001.7	000-3	999.5	998.8	998 - 2	998-4	998 • 4	998.6	888.0	999.3	999 • 7	000.5	000 • 5	1
19 20	000.8	001.3	002.2	002.8	002.8	003.5	003-7	004 - 6	005-6	005-6	008.1	006.6	006.3	007-0	007.0	007.8	008 · 3	8.800	009.5	009.5	009 • 4	009 • 7	010.5	009 • 8	1
				1				i .:				l	006-8	1	l					l	l			l	ı
21	008 • 7	008-9	009-1	008-9	008 • 7	008 • 6	008 • 6	009-0	009 • 4	010.2	010-4	009-9	009 • 3	009-2	009-1	009-0	008-9	009-0	009-1	008 - 9	009.1	008 - 9	008 - 7	008-4	L
22	008-4	008-0	1007+9	1007•7	1007-4	1007-2	1007-1	1007 • 2	007 • 4	1007 • 3	007-3	1007 • 3	006 - 7	1006-3	1006-1	006 - 3	008 • 3	006 - 3	1008-3	1008 - 3	1008-1	005.0	005.8	005.0	ı.
23	004.8	004 • 4	004 - 2	003.7	002.9	005.1	001.2	000 • 4	333.3	998 - 9	997.8	996 · 3	995 • 0	993-3	992-4	991.3	990 - 9	989-6	988 • 3	987-1	985 • 7	984 • 7	983.3	982-2	
24	981.0	979 - 7	978 - 2	977.8	975.9	975.2	975 · 3	974.8	975.0	975 - 7	976 • 0	975 - 7	975-6	976-0	976 • 6	976 - 7	976 • 4	976-6	976-2	976-1	976 · 3	975 .8	975 . 5	975-0	1
25	974.6	974-1	973-6	973.3	972-4	972.1	971.9	971.7	971.7	971.6	971-4	970-3	969-8	968-8	968-3	967-9	967 • 5	966 • 9	966 • 7	966-4	965-9	965-6	965 • 5	965-3	
26 27	965-3	965-1	965 - 1	964 - 8	964 - 3	964 · 3	964 - 6	965 • 0	965 • 4	965 • 6	965 · 7	965 • 6	965-8	966 - 2	967-0	967 • 7	968-2	968 • 7	969-5	970-2	970-7	971-2	971-7	972-0	I.
28	912.3	004.0	973.2	973.1	814.1	974.3	975.0	976.0	976-6	977.7	978 - 7	979.1	979 • 0	979 • 4	979.8	980.5	981.0	981.9	982 - 4	982.9	983.2	983.5	984 0	984 - 2	1
29	905.2	904.0	900.3	905-6	905-0	900-3	907.2	900.4	989.2	990.0	990.7	988-5	991.1	98T.P	992.0	992.7	993.2	993.6	993.8	994 - 3	994 - 7	995 • 0	995-3	995 • 0	1
30	975.0	974.6	079.7	070.2	067.0	067.0	067.9	984.2	993.2	992.2	990.9	900.0	985 • 9 980 • 9	962.0	818.1	977.2	977.T	977.3	977.7	978 • 3	978 - 7	978 • 7	978 • 4	977-6	1
1					1	l .				l	1	1		l	1	ı			i	l		Į.		ı	1
√ 31.	983.2	881.6	880.1	979-4	979-2	978.8	979.1	979.5	980 • 1	980-1	980 • 3	980-0	979-8	979 • 5	979-3	979•3	979 • 4	979•5	979-3	979-4	979-6	979-4	979.5	979 • 5	1
n tion Level)	1002 •47		1002	1001	1001	1001 •49	1001 -52	1001 •74			1002	1002	1001 •86	1001 •63		1001	1002 •08	1002 •32	1002	1002	1002	1002 •73	1002	1002 •51	l
n	1004	1003	1003	1003	1003		1003	1003		1003	1004	1003	<u> </u>	1003				1003	1004		1004	1004	_		+
Level)	•14							•41			•07	-82	•53			-56	•75	•99	•10			:40	•38	1004 •18	l
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	L

MOTE. - 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.

1935

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

355 VALENTIA OBSERVATORY: Hb = 13.7 metres

Hour 7 11 15 16 17 20 21 22 5 6 8 9 10 13 14 18 19 r 2 3 4 Noon 23 24 Mean G. M. T Station mb шþ mb шþ mb mb mb 'nЪ mb mb mb mb mb 012-02 011-83 011-65 011-49 011-44 011-48 011-59 011-77 011-95 012-07 012-15 012-06 011-90 011-71 011-59 011-56 011-53 011-67 011-77 011-93 012-09 012-12 012-04 011.82 Level 012-15 013-69 013-50 013-32 013-16 013-11 013-15 013-26 013-24 013-62 013-73 013-81 013-78 013-56 013-37 013-25 013-22 013-24 013-33 013-23 013-59 013-76 013-82 013-79 013-71 013-48 Level

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

356 VALENTIA OBSERVATORY: Hb = 13.7 metres

Hour G. M. T.

1935

Mon	th Me	ean	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
Ja Fe Ma	1. 153 5. 150	00-40	+0 • 29	+0.14	+0.01	-0.32	-0.33	-0.22	-0-19	+0.13	+0 • 44	+0.61	+0.62	+0.54	+0 • 28	-0.15	-0.52	-0.57	-0-59	-0-45	-0.31	-0-11	-0.01	+0.16	mb +0.34 +0.24 +0.47	+0.30
Ma Ju	7 10 0	80-5R	+0 • 34	+0.10	-0.04	-0.16	-0.24	-0.15	-0.06	+0.06	+0+08	+0.10	+0.09	+0-01	-0.10	-0.23	-0.28	-0.38	-0.45	-0.38	-0.22	-0.01	+0.36	+0.54	+0·31 +0·56 +0·33	+0-47
Au	t. 101	17-10 20-48	-0•08 +0•11	-0·30 -0·01	-0·39 -0·11	-0.53 -0.18	-0.57 -0.20	-0·39 -0·09	-0·15 +0·08	+0•03 +0•20	+0·14 +0·32	+0·20 +0·50	+0 • 26 +0 • 53	+0.20	+0 • 20 +0 • 24	+0·18 +0·06	+0 • 12 -0 • 30	+0 •04 -0 • 4 0	-0.01 -0.43	-0.05 -0.41	-0.04 -0.43	+0·19 -0·21	+0·38 -0·03	+0•31		+0-09
Oc No De	7. 100	21.74	-0•17	-0.37	-0.56	-0-74	-0.71	-0.62	-0.47	-0.12	+0.16	+0.39	+0.55	+0.35	+0.05	-0.25	-0.18	-0.01	+0.16	+0+33	+0.39	+0.45	+0-47	+0 • 44	+0 • 25 +0 • 29 +0 • 70	+0-16
Ye	ır 1 01	L9-40	+0 • 15	-0•04	-0-21	-0-36	-0-41	-0.37	-0-26	-0•07	+0.11	+0 • 24	+0-32	+0 • 24	+0-09	-0-10	-0-21	-0-24	-0-22	-0-12	-0-01	+0•15	+0•31	<u>+0-38</u>	+0•35	+0-28

d.Y. B 194 ERRATA.

1028:35 1004:81 1018:42

1008-85 1006-65

020-04 1015-47 1006-79 1010.16 1000.09 002.4 104.82

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

VALENTIA OBSERVATORY: Hb = 13.7 metres

1935

Month	Ja	n.	- Fe	b.	Ma	r.	Ap	r.	Ma	y	Jur	ie	Jul	y	Au	ıg.	Se	pt.	0	ct.	N	ov.	De	ec.
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	\downarrow
1	029•7	020•6	026-2	016-5	001-4	978 • 7	024-1	019-8	015-5	012-4	009-4	997-6	021-0	013-8	023 • 9	018-5	008-1	000-2	005-6	999-8	999-2	991 -8	992.6	i
2	036 • 7	029.7	021-1	015-0	011-2	001-4	026 • 1	023-9		007.5	997-8	996 • 3	022-1	013-4	026 • 5	023-6	007•6	002-2	999•9	975-1	000•1	990 • 7	999-6	
3	036 • 6	033+3		015•7	025-3	010-1	025 • 8	022-4			996 • 6	995•0		022.1			008.1		988 • 8	973 - 7	994-9	977-2	003•0	
4	035 • 9	033-3	017-8	013-6	025•3	023•8	022-4	014.5		007-3	995 • 8	990-8	028-6	025 • 5			009-8		997 • 7	988 • 8	000•3	979•8	003•5	
5	033•3	020•2	018-0	010-6	030-4	024.9	016-2	011-7	025•1	014-4	002•7	994•1	027•3	024.5	028 • 0	024-1	015-2	009•3	003•5	997•7	004•3	995•5	013-3	-
6	022-1	018.7	028-9	015-4		030+4	012-6	996 • 8		025-1	001-7	988+2		021.3		027-6		015-1		003-5	002-9		012-9	
7	021.8	020-5	030-3	028 • 8	031-1	028 • 9	999-6	997-3		029 • 4	005 • 1	983-9	021-3	016 • 3	027-6	018-1			013-6	002-3	000 • 7	989-8	014.5	
8	023-1	020-0	029-1	025 • 7	031-5	030+0	000-1	987-5			015-8	005•1	016.3	013.4	018·4 019·9	015·6 018·0			006 • 5 005 • 0	986 • 4	998 • 8 995 • 2	986 •8 980 •8	018-6	
10	026 • 6	023-1	025 • 9	024-4	032-0	027-0	992 • 7	977·9 978·8	029.1	022.7	015 • 3	992·1		013.6					009-3	992-9			035.5	
10	020-4	018-0																	1		l			1
11	019.5	008-6	022-0	010-8	033-1	027•0		995•3		019-4	001.0	991.9		022-7	014.1			999-2		009+3	008-4			
12	021-6	016.9	012-4		033-0	027-0		003-8			002-7	998 • 4		018.7	019.0		002-2		023.1	018-5	998 • 7	992 • 1	031-4	
13	024-2	017.6	005•8 016•3	014-2	027-0	020 • 0		999•4		022-4	002-6	998-4		023-6	020-7				023.0	020-0	999•7		022-0	
14 15	030 • 4	030-3		006.0		991.0		999-7		022-0		002-9		022-6	018-9				021.2	018 • 4	994.9	992-1	008-4	
																			l				ì	1
16	036-9	033-5	017-4	997•4	001-3	989-8	999•7	984-8		020-0	010.0	006 • 3		018•1	016 • 2		996 • 5	963.5	028 • 7	020-9	993.0	989-8	008 • 7	
17	037-8	036 • 2	020-9	016-3		001.3		996 • 0		012-4	009.8	001.7		014-1		013·5 014·4			028 • 3	025-7	004 • 6 006 • 7		012-2	
18	039-3	037-6	016-3	989-4	010-5	004-8	999-7	996 • 4 995 • 5		016 • 1		007-5							014.5	009-0			010-2	
19 20	042-4	039-5	989-4		013-7	008-4		991.7				002-9							020-6	014.4			009-8	
200		055 0																	1		l	-		ł
21	043.3	041.7	988-9	977-7	013-3	007•7	998•0			016.9	010-2	002-5			013-6		018·7 017·8		020-1		006•3 008•7		010.4	
22	042-0	039-4	985-2		010-3	002-9	013·0 023·6	998•0 013•0		021·4 018·6	018-6	007-2						010-1	014·8 008·1	998 • 7	016.4	008-4	005.0	
23 24	039-8	037.1	985•3 985•3	980 • 4 963 • 1	023.7	017-4		022-9			023-2	014-6		025-0					012-7	008-1			982-2	
25	015.7	003-1	000-6	965-8		023-4	023-3	021-1			014.6	006 - 5	028-8	026 - 0			019-1	012-9	022-0	012-7	023-1		975.0	
											1													
26	026-4	009-9	001-6	979-3		025-8	022-6	019-7		018-3	009-2	004-1		022-7	017-8				025-4	021.9			972·0 984·2	
27	031-0	026-4	980-4		028 • 7	025 • 4	026 • 4	022-3				009+2	022-7	019-1	004.4	000-1	008-7	006 • 4	024·8 025·5	020-6	009•6	003-2	995.3	
28 29	030-0	027-0	990•0	980-3	029 • 9	027•7	027·8 027·6	026 • 1				020 • 2			007-1		009-2	002-0	021.4	013-6	010-2	003-2	995.8	
30	026 - 6	021.5			029-5	022-1		015.5				021-0		021-6	005 - 2		002.2	999-9	013-8	990-5	004-8	985-6	988•2	
31	028-5	024-8			022-1	019-6			010-9	009•4			021-6	017-6	008+5	003-7			991•8	986 • 3			986 • 5	
	1		ļ								ļ										1		1005	+
Mean	1031	1025 •57	1009	1000	1021	1015	101.2	1004	1021 •20	1016	1010 •45	1002	1022 •65	1017	1017 •91	1013	1010	1002	1014	1005 •58	1004 •85	995	1006	- 1

358. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres JANUARY, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	2ð	21	22	23	24	Mean
Day 1 2 3 4 5	°A 84-8 84-2 82-7 82-5 80-9	°A 84·8 84·1 82·6 82·0 80·9	°A 84•7 83•9 82•8 82•0 80•9	°A 84.9 83.5 82.8 82.0 80.6	°A 85.0 83.5 82.9 81.9 80.9	0A 84-9 83-4 82-8 82-0 81-0	0A 84.8 83.4 82.8 82.2 81.0	% 85.0 83.5 82.9 82.0 80.7	% 85.0 83.5 82.2 81.7 80.7	°A 84·9 83·5 82·3 81·8 81·1	% 85.0 83.7 82.4 82.2 82.4	°A 85·1 83·9 83·5 82·5 82·9	°A 85.0 84.1 83.8 82.9 82.9	0A 84.9 84.0 84.1 82.3 82.9	% 85-0 83-9 84-5 82-0 82-7	85.0 83.6 84.7 81.9 82.6	% 84.9 83.2 84.5 81.5 82.5	°A 84·7 83·0 84·3 81·4 82·2	%A 84.8 83.0 84.0 81.4 81.5	%A 84.9 82.9 84.2 81.3 81.5	°A 84·9 82·8 83·9 81·3 81·4	%A 84·4 82·7 83·0 81·0 81·4	%A 84-6 82-8 82-8 81-0 81-0	°A 84·4 82·8 82·4 81·0 81·1	84-9 83-5 83-3 81-9 81-6
6	81.0	81·4	81.3	81.6	81.8	81.9	81.0	80·8	79·2	78.9	78·3	78·4	78-6	78 • 5	78-2	77-9	76 · 7	75-7	75-2	74-7	74-2	74-0	74-2	73-4	78•4
7	72.9	73·2	72.0	73.0	73.0	73.5	74.0	74·0	74·5	75.0	75·6	76·5	77-4	77 • 8	78-0	78-0	77 · 4	77-2	77-2	77-0	76-2	76-0	75-0	74-4	<u>75•3</u>
8	74.0	74·1	74.0	74.9	75.8	76.1	77.0	78·6	78·4	79.1	79·4	79·2	79-0	79 • 4	79-5	79-8	79 · 0	78-5	78-1	78-8	78-8	77-9	77-6	77-0	77•6
9	76.5	75·9	75.4	74.5	74.0	74.3	74.0	74·0	74·7	75.5	76·9	77·7	79-0	80 • 0	80-1	80-2	80 · 0	80-0	79-9	79-9	80-2	80-0	80-1	80-1	77•6
10	80.6	80·9	81.0	81.0	80.6	80.8	80.7	80·7	80·2	81.0	81·7	81·9	82-1	82 • 0	81-9	81-6	81 · 4	81-6	81-6	81-7	81-7	81-9	81-4	81-4	81•3
11	82-0	82.2	82.2	82-5	82.5	82-9	82·4	81.7	81-5	79·9	81-0	80.6	80-4	79-4	79-8	79·4	79.8	80·4	80.0	79·9	80-2		81·1	81.0	81.0
12	80-5	80.8	80.0	79-0	79.1	80-4	80·1	80.4	80-0	81·0	80-7	80.4	80-4	80-5	80-8	82·0	83.0	83·2	83.0	83·0	83-9		82·9	83.1	81.2
13	83-5	83.7	83.8	83-6	83.4	83-5	83·5	83.5	83-4	83·4	84-0	84.3	84-0	83-7	83-5	83·5	83.9	84·0	83.0	83·9	84-0		83·4	83.0	83.6
14	83-0	82.8	82.5	82-5	82.4	82-2	82·1	82.0	82-0	82·1	82-5	82.5	82-6	83-0	82-5	82·2	82.0	82·0	82.1	82·0	82-0		81·2	81.0	82.3
15	81-2	81.2	81.9	82-0	82.0	82-0	82·2	82.0	82-0	81·7	82-4	82.9	82-8	82-9	82-1	82·0	81.4	81·5	81.5	81·6	82-0		81·9	81.8	81.9
16	82-0	81-8	81.9	81.7	81.6	82.0	82.0	81.9	81-9	81.8	82-0	82.6	83.0	82-9	82-9	82·5	82·2	82·2	82.2	82.0	81.8	81.8	82·1	82.0	82-1
17	81-8	81-9	81.5	81.4	81.4	81.2	81.4	81.5	81-3	81.4	82-0	82.0	82.1	82-2	82-3	82·2	81·9	81·8	81.8	81.9	81.9	81.6	82·0	81.9	81-8
18	81-5	81-3	81.3	81.5	81.0	80.0	78.6	77.9	78-1	78.9	79-0	80.0	80.4	80-4	80-8	80·2	80·2	80·2	80.0	79.1	78.9	79.0	78·6	77.4	79-9
19	77-6	77-5	76.9	77.0	76.9	78.4	79.1	79.4	79-5	79.6	79-3	79.4	79.6	79-6	79-8	79·7	79·7	79·7	79.0	79.0	79.0	79.3	79·2	79.0	78-9
20	79-0	79-0	78.8	78.5	78.4	78.1	78.0	78.0	78-0	78.0	78-2	78.5	78.6	78-9	78-6	78·4	78·4	78·4	78.5	78.4	78.2	78.0	78·0	77.9	78-4
21	77-7	77.5	77.5	77•4	77-2	77·0	77.0	76 · 8	76 • 5	76·1	76 • 0	76 - 2	76.5	76 • 5	76-9	76 · 9	76 · 9	76.9	76.8	75.5	75.0	75.0	74-3	74.0	76 • 5
22	74-3	74.5	74.9	75•0	75-8	76·1	76.9	76 · 9	76 • 7	77·0	77 • 8	78 - 3	79.0	79 • 9	80-0	80 · 0	79 · 6	79.3	79.1	79.0	79.0	79.0	78-9	78.5	77 • 6
23	78-4	78.3	78.4	78•4	78-4	78·4	78.5	78 · 6	78 • 4	78·5	79 • 0	80 - 0	81.1	82 • 2	82-3	82 · 3	82 · 1	82.5	82.5	82.1	82.0	81.9	82-0	82.0	80 • 3
24	81-8	81.4	81.3	81•4	81-7	82·0	82.0	82 · 1	82 • 1	82·1	82 • 6	82 - 7	82.9	82 • 9	83-0	83 · 0	83 · 0	83.1	83.4	83.7	83.8	83.5	83-3	83.3	82 • 6
25	83-4	83.4	83.1	83•0	82-0	82·0	81.5	81 · 9	80 • 4	81·1	80 • 5	81 - 2	81.4	80 • 8	79-3	80 · 8	79 · 9	80.7	80.9	81.8	81.8	81.7	80-3	81.1	81 • 5
26	81.0	80·5	79-9	79•9	79-8	80•0	80·1	79•7	79-6	80.5	80.8	79·9	80·4	81.0	80-6	80·4	80·3	80.0	80.0	79·9	79-9	79.8	79.5	79·2	80-2
27	79.3	79·1		79•6	79-6	79•5	79·0	78•0	77-8	78.0	78.4	79·0	79·0	79.0	78-9	78·9	78·5	78.1	77.5	77·6	77-2	76.9	76.9	76·9	78-5
28	76.2	76·0		76•3	76-3	76•3	76·3	76•6	77-0	77.1	78.4	79·2	80·1	80.4	80-4	80·3	79·9	79.7	79.8	79·9	80-0	80.1	79.8	79·6	78-4
29	79.5	79·8		80•4	81-0	80•8	80·6	80•2	79-8	80.0	80.0	80·4	81·3	81.5	81-6	81·4	80·9	79.0	79.0	78·2	79-1	79.2	78.8	(78·8)	80-1
30	(79.0)	(79·6)		(80•4)	(80-5)	(80•7)	81·2	81•2	80-9	81.3	82.5	82·7	83·0	82.8	82-9	82·8	82·5	82.4	82.4	81·5	81-0	81.1	81.4	81·0	81-4
31 Mean	80•4 80•1	80.1	80•6 80•0	80·1 80·0	80·2 80·0		79•5 80•1	80.1	79-6 79-9	80-8	81·1 80·5			81·4 81·2	81.2		80.4	80-4	80-6	80•4	80-3	80.4	80-9	80-6	80•5 80•4

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	1€	17	18	19	20	21	22	23	24	Mea
Mean	80-4	80•3	80-1	80-3	80•4	80-4	80•4	80-2	80-4	80•7	81-2	81-6	81.9	81-8	81.7	81.7	81.6	81-1	80-9	80-8	80•6	80•5	80•5	80-3	80
26 27 28	73•8 79•4 80•6	73-1 78-5 80-4	72•9 78•0 79•9	74•9 78•5 79•8	76•1 79•5 80•0	76•2 79•6 79•9	76•9 79•0 79•4	76-8 79-8 79-0	77•5 79•7 78•8	78•8 81•1 76•8	79-5 80-1 78-0	80·3 81·5 78·3	80·9 82·2 79·6	80.6 82.0 78.6	80·7 81·3 79·2	80·8 81·6 79·7	81.8 80.0	81.6 80.2 79.7	81.9 80.9 79.0	81-0 80-1 79-0	79•0 80•5 79•0	78•9 80•5 79•2	79•3 80•0 80•3	79•4 80•8 80•4	78 80 79
21 22 23 24 25	81•3 78•9 77•6 77•5 77•0	80•7 78•9 76•9 77•4 77•0	80·1 78·8 75·0 77·6 78·0	80 • 7 79 • 6 75 • 5 78 • 4 78 • 5	81.0 78.8 75.2 77.8 78.0	77-8 78-1	81.5 79.0 75.4 78.1 78.1	80.7 78.0 75.1 79.0 78.0	80.9 79.0 75.9 79.7 78.1	80-2 79-8 76-9 80-0 77-9	81.9 80.1 77.1 81.0 77.9	81.0 79.4 79.0 80.8 77.8	81.6 80.0 79.7 80.1 77.8	81.0 77.9 79.6 79.5 78.1	79·9 78·8 79·9 79·8 78·2	79·1 78·8 79·7 80·3 78·1	79-0 78-0 79-3 79-6 78-0	78-0 77-8 78-8 79-4 77-7	78.5 76.9 78.3 78.8 77.3	78-6 77-2 78-8 79-7 77-3	78-4 77-0 80-2 79-8 76-6	78.0 77.1 79.3 79.7 76.0	77.9 78.0 78.0 79.6 75.0	78-4 77-5 77-4 77-4 74-3	80 78 77 79 77
16 17 18 19 20	85•3 82•5 83•5 84•1 83•5	85 • 2 82 • 2 83 • 0 84 • 0 83 • 8	85.2 82.7 82.9 83.9 84.3	85•3 82•3 82•9 83•9 .84•3	85.2 82.5 83.8 82.9 84.4		85-1 82-2 84-2 82-0 83-8	85.0 82.1 84.4 81.8 83.3	85.0 82.1 84.5 81.7 83.3	84.0 83.5 84.9 81.9 83.8	84.2 83.9 84.9 81.9 84.1	84·3 84·1 85·0 82·3 84·0	84.0 84.5 85.0 82.9 82.0	84-1 84-5 85-0 83-0 83-0	83·4 84·1 84·5 82·4 83·1	83·3 84·1 84·6 82·2 81·9	82.9 83.7 84.8 82.4 82.2	82.9 82.9 84.5 82.2 82.0	82-3 83-0 84-4 82-4 80-6	82·4 82·6 84·4 83·0 80·4	82.0 82.4 84.2 82.7 80.9	82·3 82·5 84·4 82·9 81·6	82-1 82-8 84-1 83-0 81-9	81-8 83-1 84-3 83-1 81-7	83 84 82 82
11 12 13 14 15	81.0 82.2 82.5 82.9 82.2	81.2 82.0 82.8 81.9 82.1	81.7 82.2 82.0 81.9	81.5 81.9 82.6 82.0 82.0	81.5 81.8 83.8 81.4 83.9	81.5 81.4 84.0 81.7 84.0	81.9 81.7 84.3 81.9 84.2	81.6 81.1 84.1 81.5 84.2	81.2 80.7 84.1 82.0 84.2	81.6 81.3 84.2 82.0 84.4	82·1 82·5 84·4 82·4 84·6	82.4 82.6 84.4 82.9 84.9	82.5 83.4 84.8 83.0 85.0	82.6 83.2 84.0 83.2 85.0	82.7 83.1 84.1 83.0 85.0	82.6 83.1 84.1 82.7 85.0	82.5 83.0 83.9 82.7 85.0	82·3 83·0 83·2 82·2 84·7	82.4 82.9 83.4 81.6 84.9	82-6 82-9 83-5 81-4 85-0	83.0 82.9 83.2 81.0 85.1	82.9 83.0 82.9 81.0 85.2	82.8 83.0 82.9 81.1 85.0	82.8 82.4 82.9 81.4 85.0	82 83 83 84
6 7 6 9 10	80-9 75-6 73-9 73-1 79-0	80·9 75·2 73·8 73·4 78·9	81.0 74.0 72.7 73.1 79.0	81.0 73.5 72.7 73.0 79.0	81.0 73.2 72.5 73.9 79.0	81·1 73·2 72·2 72·4 79·1	81 · 2 72 · 6 73 · 0 72 · 7 79 · 2	81·1 72·5 72·0 72·1 79·2	81 · C 72 · 9 72 · 6 73 · O 79 · 6	81.2 73.3 72.9 73.2 80.0	81.0 76.4 74.9 75.7 80.2	81 · 2 78 · 5 76 · 6 77 · 6 80 · 6	81·1 · 78·5 · 77·4 · 78·9 · 80·9	81·1 79·0 78·4 79·4 81·0	81.0 78.9 79.0 79.5 81.1	80.9 79.1 79.2 79.5 81.0	80·3 78·7 78·7 79·2 81·0	80·0 78·0 76·5 78·2 81·0		79-0 77-0 74-9 76-1 81-0	79.0 76.1 74.8 76.5 81.0	77.9 75.6 73.8 77.2 80.9	77.0 74.5 73.9 78.3 81.0	76 • 6 73 • 7 72 • 9 79 • 0 80 • 9	86 71 74 71 80
Day 1 2 3 4 5	%A 81.0 83.7 84.0 84.7 80.6	°A 81•4 83•7 84•0 84•5 80•9	°A 81.7 83.9 84.0 84.1 81.1	°A 81.9 83.9 84.0 84.2 81.0	°A 81•7 83•9 84•0 84•2 81•1	°A 81-5 83-9 84-1 84-1 81-4	% 82.0 83.9 84.2 83.4 81.3	81.9 83.9 84.5 82.7 81.3	°A 82.0 83.9 84.5 82.1 81.4	°A 82-2 83-6 84-9 82-1 82-0	°A 82·4 83·1 84·8 82·4 82·6	°A 82·6 83·2 84·9 83·0 82·4	°A 82·9 83·2 84·9 83·4 82·5	°A 83-0 83-4 85-0 83-0 82-2	% 83.0 83.6 85.0 82.1 82.1	% 83·1 83·2 84·8 82·0 82·7	83.0 83.0 84.8 81.8 83.2	83·1 83·0 84·4 81·5 83·2	83.2 82.5 84.7 80.9 82.7	°A 83·2 82·4 84·8 80·9 82·8	°A 83·2 82·1 84·7 80·5 81·9	°A 83·4 82·0 84·8 80·8 81·2	°A 83·4 81·9 84·8 80·8 81·1	°A 83·3 83·6 84·7 80·9 80·1	8 8 8 8
359 · 1	VALENT	IA OB	SERVA!	rory:	Nor	th Wa	ll Sci	een:	ht :	= 1.3	metr	98									•	F	EBRUA	RY, 19	∤3 5

360. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres

MARCH, 1935

Hour	1	2	•	4	. 5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	0.7	22	00	0.4	
G. M. T.	οA	°A	°A	°A	OA.	OA.	°A 78-8	°A	°A	OA.	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	21 °A	o _A	23 °A	24 °A	Mean OA
1 2 3	80.5 81.1 81.6	80-1 81-2 81-8	79.0 81.3 81.2	79.0 81.3 81.2	79-0 81-0 80-4	78-7 81-0 81-1	80-8 80-2	78-9 79-8 80-4	79-3 80-0 80-3	80-3 81-5 81-0	81·1 82·2 81·0	82·4 83·0 81·1	83.0 83.1 81.5	83·2 83·1 82·1	83•0 83•0 82•0	82-6 83-1 82-0	82.6 82.6 81.6	81.2 81.2	81-0 81-0 80-5	81.6 81.2 81.0	81.5 80.2	81.2 81.2 80.6	81.0 80.0	81-0 80-9 79-0	80.8 81.5 81.0
4 5	78-1 80-5	77•0 79•9	76 • 3 80 • 0	75-9 79-9	75•3 79•8	76 · 1 79 · 1	76 • 3 78 • 4	76 • 6 78 • 4	79-1 79-0	80-9	82-0 82-4	82•7 83•6	83•0 84•0	83·2 84·0	83·4 84·1	83-1 84-0	82·9 83·8	82·0 83·3	81-4 83-0	81.9 82.8	82·1 82·7	81·9 83·0	80·7 82·8	80•7 83•C	80•1 81•7
6 7	83-0 81-1	82·9 81·0	82·1 81·0	82-0 80-9	81•0 80•9	81-0 80-8	81-0 80-3	80-9 81-0	81·9 82·5	82-4 83-0	83-2 83-0	83•7 83•8	83·7 84·1	83·7 84·8	83·6 84·1	83·1 83·8	82·6 83·7	82·2 83·0	81-0 82-5	81·1 82·4	81·0 82·3	81·0 82·0	80·8 82·0	81-4 82-0	82·1 82·3
8 9	81·9 79·5	81·9 79·1	81.9 79.4	81-9 79-8	81·4 79·4	81 · 1 78 · 9	81-1 78-0	81·3 77·6	81.5 78.0	81·9 78·2	81·9 78·1	82·4 78·0	83-0 78-2	83·1 78·4	82·9 78·7		82·0 77·4	81·5 77·1	81-4 76-1	81·4 75·6	80·9 75·9	80·3 75·4	79·4 75·5	79·1 75·2	81.6 77.8
10	75-1 76-8	75-2	75-1 76-0	75-0 75-9	75-1 75-4	75·1 75·1	75-1 75-5	75·4 75·7	75·5 76·0	75-8	76 · 2 78 · 1	76 • 8 78 • 9	77 • 2	76 • 9 80 • 0	77-2	80-8	81-0	76 · 9 80 · 4	76 · 4 78 · 9	76 • 1	77-2	77-3	77-3	77•0 78•1	76 · 2 77 · 9
12 13	79·1 80·2	78-9 80-3	79-2 80-4	79·1 80·5	79·5 80·5	79-6 80-3	79·6 80·2	80•0 80•0	80-0 80-5	80·2 80·9	80·6 81·4	81.0 81.9	81 • 5 82 • 0	81-7 82-2	81·5 82·1	81·1 82·1	81.0 81.9	80·4 81·4	80-0 81-0	79•9 80•5	79-9 80-1	79·8 79·8	80·0 79·0	80-0 79-5	80-1 80-8
14 15	79•2 80•0	79-6 80-9	79-8 80-5	79-1 80-5	79-2 80-9	79·0 81·0	79·1 81·2	78•9 81•8	79•4 82•0	80-5 82-2	81·2 82·9	81•7 83•0	82-0 82-8	82·1 82·4	82-0 82-7	81.8	80·9 82·4	80·1 82·3	79·5 82·1	79-4 82-0	79-8 81-8	79·8 81·8	80.0	79•9 82•1	80-2 81-8
16 17	81·9 81·5	81·6 81·6	82·1 81·5	82·0 81·5	82-0 81-7	82.0 81.4	82-0 81-4	82·0 81·2	82·4 81·9	82·4 82·2	83·2 82·6	84·0 83·3	83·9 83·3	83·5 83·1	83·2 83·3	82·1 83·0	81·4 82·8	81·2 82·3	81.0 81.8	80·5 82·0	81.7 82.0	81·7 81·4	81-4 81-5	81-6 82-0	82·1 82·1
18 19 20	82-4 84-0 82-3	82-6 84-0 81-9	83·2 83·7 82·1	83·3 83·3 82·0	83·3 83·4 81·2	83·4 83·6 81·6	83.5 83.8 81.2	83.8 81.0	83-8 83-9 82-8	83·9 83·9 84·0	84 • 0 84 • 0 84 • 3	84·1 84·1 84·4	84·2 84·4 84·2	84·1 84·5 84·6	84 · 2 84 · 5 83 · 9		84·4 84·0 83·4	84·2 83·9 83·2	84-0 83-8 82-9	84.0 84.0 82.9	84-0 83-8 82-9	84 • 0 83 • 2 82 • 3	84.0 82.0 82.9	84 • 0 82 • 0 82 • 3	83•7 83•8 82•9
21 22	82-9 83-0	82-8 82-8	82·7 82·4	82·2 82·3	82·2 82·8	82·3 82·1	83·0 81·2	83·0 82·1	83.3	83.4	83-5	83-4	83-6	83-5	83·5 82·0	84-0	84·0 82·3	83·7 83·1	83·9 82·9	83-4	83-7	82.7	82.8	83-0	83.2
23 24	82-9 84-8	83-0 84-6	82·4 84·1	83·3 84·0	83·7 84·0	84·1 83·9	84·0 84·2	84·2 84·4	81·2 84·6 84·5	84·2 84·6	82-9 84-7 84-9	83·5 85·0 85·0	84.9 84.9	83·9 85·2 85·0	84-8 84-9	82·3 85·0 84·4	85·0 84·5	84-8 84-5	84-9	82-8 84-7 83-9	82·7 84·7 83·9	82 • 7 85 • 0 83 • 9	82 · 8 85 · 0 84 · 0	82 • 9 84 • 8 83 • 3	82-6 84-3 84-4
25	83-6	83-6	83.7	83.6	83+5	83-5	83-4	83-7	84-0	84.0	84-2	84-2	84-4	84-5	84.3	84-5	84-3	84.0	83-8	83-8	83.5	83-4	83-4	83-3	83-8
26 27 28	83-2 81-3 78-5	83.0 81.2 78.8	83-0 81-0 79-8	82-8 80-1 80-4	82-7 79-5 80-1	82-7 78-4 79-9	82•7 78•6 79•7	82-8 79-3 79-5	83·0 80·8 80·0	83·2 81·2 80·9	83·3 81·8 80·5	83.2 83.5 81.5	83·5 83·8 82·4	83·5 83·4 83·2	83·2 84·2 83·5	82-9 85-0 83-5	82·8 84·3 83·2	82-4 84-0 82-7	81-9 82-4 81-5	81-4 81-2 80-4	81·4 81·3 80·9	81·5 80·3 81·3	81·3 79·8 81·1	81·3 79·2 79·9	82.7 81.5 81.0
29 30	78•5 81•8	77•6 81•8	78-9 81-5	77·9 81·4	78•3 81•2	78•8 81•2	79•5 81•0	80·1 81·2	80·9 81·8	81·9 81·9	82·5 82·5	83·0 82·3	83·6 82·9	84 • 5 82 • 8	84 • 5 83 • 0	83·8 82·8	83·4 82-4	83·0 82·1	82·6 81·9	82·4 81·3	82·3 81·0	82·2 80·1	82·0 80·6	82-0 80-9	81·4 81·3
31	81-0	81•3	81•4	81.4	81.7	82•0	82-3	83-0	83•5	84-0	84-3	84-4	85•0	85•1	84-4	84-1	84-0	83-9	83-6	83.5	83-6	83-6	83•3	82-9	83•2
Mean	81-0	80-9	80-9	80•8	80•6	80-6	80-6	80•7	81.5	81.8	82•2	82•7	83-0	<u>83-1</u>	83•0	82-8	82•5	82-2	81.7	81.6	81-6	81-4	81.2	81-1	81-6

361.	VALENTIA	OBSERVATORY:	North Wall	Screen:	$h_t = 1.3 \text{ metres}$
JO	AVMONTIV	ODDIM ANTORES	HOT OH HOTT	DCI GGII.	TIE - I) mente

APRIL, 1935

°A 82∙5	OA	OA	Ao												1 0 4									
	82-1	82-2	82.0	°A 81.8	°A 81.4	°A 81•4	°A 81·3	° <u>A</u> 82∙0	°A 82•1	°A 82-7	°A 82∙8	°A 83•0	% 83•0	83-0	°A 82∙9	°A 82-8	°A 82∙0	°A 81.5	°A 81∙3	% 81.1	°A 80∙9	% 81.2	%A 81.1	°A 82•0
81.0	80-9	81.0	80.3	80-7	80-0	80-4	81.2	81.2	81.4	81.6	82-0	82-5	82 • 7	82.6	82.5	82 • 2	81.9	81.0	80-7	80•5	80•5	80-7	80-6	81.3
																				1		,		80·4 81·2
80-0	80-3	80-5	80-7	80.8	80.7	80-5	81.0	81.0	82.0	83-0	81.4	83.2	81.5	81.4	81.9	81.7	80-8	80-5	80-4	80-5	80-3	80-0	80.1	81.0
80-1	79-8	79-5	79-5	79-4	79-5	79-8	80-6	81.8	82-2	82-8	82-2	81-4	81-5	81.9	82-4	82-1	82-9	83-2	83-1	82-9	82-8	82-8	82-3	81.5
	82.2	82-0		81.9			80-9	81.8	82.5	83-0	83.6					83.3				81.8	80.6	80-6	79-9	82.1
1	1	1		1							1 -								1					82•0 84•2
83-2	83-2	83-2	82-9	83.0	83-1	83.5	84.0	83-8	84.8	85-2	85-2			85-4	85-0	84-0	83.5	83-2	82-5	83-2	82-4	81.9	82-1	83-8
82-1	81•9	81.5	81.6	81-4	81-6	80-9	82-4	83•2	83-2	84•0	84•3	84-5	84-8	84-7	84-6	83-9	83-4	82-4	81-2	81-6	80-5	80-2	80-0	82-5
																								81·8 81·7
79-9	80.3			80-4																				82.5
82-1	82-1	81.0	80•3	81.0	80.0	80-3	81.1	82-5	83.1	84.0	84-4			84-6	83-9	83-4	83-1	81.2	81.2	80-3	80•7	80-7	80•9	82-1
80-0	79-3	79-5	79-9	79-1	78-3	79-8	80-9	81.5	80.3	82-1	83-1	81.4	81-1	81.5	82-7	81-1	80-3	81-0	80•3	80.2	80-1	80-9	80-5	80•7
																								82·2 83·2
82-0	82-0	81.1	81.6	80-9	80-4	80-3	82-0	83-6	84.2	84 • 4	85.1	85-0	85.2	84-7	85-2	85.0	84-0	83-8	83-1	83.0	83.2	82.9	82-5	83-1
82-5	82-2	82•1	81.9	81-1	80•C	80-9	82-4	83•5	84.1	84-1	85-2	85•4	83 -5	85-0	86-1	85•4	84-8	84•5	83-6	83-0	82•2	81-4	80•8	83-2
80-3	80-2	80-3	80-5	81-1	81.5	82-0	82.7	83-0	83.7	84.2	83-4	84-0	84.0	84-1	84-0	83-1	83-0	82-7	82-4	82-3	82-0	82-1	82•G	82-4
																								82-5 82-0
79-4	79-1	79-4	78-9	78-1	77.9	79-2	80-8	81.9	81.9	82-4	83.4	83-5	84.1	84.6	84-6	84.5	84-4	83-9	82-9	81.9	80-9	80-3	79-7	81.6
78-7	78-0	77-9	78•5	78-0	77-0	79•5	83·C	84-2	84.5	85-9	86 • 6	87•0	86 • 9	86 • 9	86 • 8	86 • 0	85-2	84•3	83•5	83-2	82•3	81-1	80•8	82-7
80-0	78-9	79•8	78.7	80-0	78-4	81-0	82.3	84-6	85-9	87-1	87•3	87•1	88-0	87-5	87-0	86 - 7	86 - 4	85-1	83-7	82-3	82-1	81-0	80•C	83•4
																			1					84·3 83·6
80-0	79-4	79-4	78.7	78-4	78-8	80-0	82.1	85-5	86 • 5	87.1	87-7	87-9	87.8	87.0	87.2	86 - 5	85-6	85·C	84.5	84.3	84-1	84.1	84-C	83-7
84-0	83-8	83-8	83-8	83•5	83-6	83-9	84.5	84-9	85•3	85-5	85•5	84-2	84-7	85-0	84-7	84-8	85-1	84-6	84-2	83-9	84-0	83-8	84•0	84-4
81-0	80-8	80-7	80-6	80-5	80•3	81-0	82-1	82-9	83-4	84-0	84-2	84-3	84-4	84-3	84-3	83-8	83•5	83-0	82-5	82-1	81-9	81-6	81•4	82-4
1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	80-1 82-4 80-0 83-5 83-2 82-1 80-0 82-0 82-0 82-0 82-5 80-3 81-8 81-9 79-4 78-7 80-0 79-6 80-4 80-0 84-0	80-9 80-6 80-0 80-1 82-4 82-2 80-0 83-5 83-2 83-2 83-2 83-2 82-1 81-9 82-1 80-0 82-0 83-0 80-0 83-8 81-9 80-0 83-8	80-9 80-6 80-3 80-5 80-1 79-8 79-5 82-4 82-2 82-0 80-0 80-0 79-5 83-5 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-9 80-0 80-0 80-3 80-5 80-7 80-1 79-8 82-4 82-2 82-0 81-9 83-5 83-5 83-5 83-5 83-2 82-9 83-2 83-2 82-9 80-0 80-1 79-9 80-3 80-1 80-9 82-1 81-0 80-3 80-0 81-0 82-5 81-6 80-3 80-2 82-5 81-6 80-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-9 82-6 81-8 81-8 81-9 79-4 78-7 78-0 77-9 78-5 79-1 79-4 78-7 78-0 79-4 79-4 79-4 79-9 80-0 79-4 79-4 79-4 79-9 83-8 83-8 83-8 81-0 80-8	80-9 80-6 80-3 80-9 81-1 80-0 80-3 80-5 80-7 80-8 80-1 79-8 79-5 79-4 82-4 82-2 82-0 81-9 81-9 83-5 83-5 83-5 83-5 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-9 81-1 81-0 80-0 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-9 81-9 81-2 80-0 80-0 79-5 79-3 80-8 80-7 80-8 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83	80-9 80-6 80-3 80-9 81-1 81-0 80-7 80-5 80-1 79-8 80-8 80-7 80-8 80-7 80-5 80-1 79-8 82-4 82-2 82-0 81-9 81-9 81-2 80-6 83-5 83-5 83-5 83-5 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-9 81-1 81-0 80-7 81-4 80-0 80-3 80-5 80-7 80-8 80-7 80-5 81-0 80-1 79-8 79-5 79-3 80-8 80-7 81-5 81-8 81-0 80-0 80-0 79-5 79-3 80-8 80-7 81-5 81-8 81-5 83-5 83-5 83-6 83-9 83-1 83-3 83-2 84-1 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-9 81-1 81-0 80-7 81-4 81-7 80-0 80-3 80-5 80-7 80-8 80-7 80-5 81-0 81-0 80-1 79-8 79-5 79-5 79-4 79-5 79-8 80-6 81-8 82-4 82-2 82-0 81-9 81-9 81-2 80-6 80-9 81-8 83-5 83-5 83-4 82-9 83-1 83-3 83-2 84-1 84-5 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-5 80-7 80-8 80-7 80-5 81-0 81-0 82-0 80-1 79-8 79-5 79-5 79-4 79-5 79-8 80-6 80-9 81-8 82-5 83-0 80-0 80-0 79-5 79-3 80-8 80-7 80-8 80-6 80-9 81-8 82-5 83-0 83-5 83-6 83-9 83-1 83-3 83-2 84-1 84-5 85-1 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-9 81-1 81-0 80-7 81-4 81-7 81-6 81-8 80-0 80-3 80-5 80-7 80-8 80-7 80-5 81-0 81-0 82-0 83-0 80-1 79-8 79-5 79-5 79-4 79-5 79-8 80-6 81-8 82-2 82-8 82-4 82-2 82-0 81-9 81-9 81-2 80-6 80-9 81-8 82-5 83-0 83-0 80-0 79-5 79-3 80-8 80-7 81-5 81-8 82-5 83-0 83-7 83-5 83-5 83-4 82-9 83-1 83-3 83-2 84-1 84-5 85-1 86-0 83-2 83-2 83-2 82-9 83-0 83-1 83-5 84-6 83-8 84-8 85-2 83-2 83-2 83-2 83-0 83-1 83-5 84-6 83-8 84-8 85-2 83-1 83-5 84-1 84-5 85-1 86-0 83-3 79-9 79-3 79-0 78-4 79-0 80-4 81-0 82-0 82-4 83-4 83-4 83-4 83-4 82-1 82-1 81-0 80-3 81-0 80-0 80-3 81-1 82-5 83-1 83-0 83-1 8	80-9 80-6 80-3 80-5 80-7 80-8 81-1 81-0 80-7 81-4 81-7 81-6 81-8 82-0 80-0 80-0 80-3 80-5 80-7 80-8 80-7 80-5 81-0 81-0 82-0 83-0 81-4 80-1 79-8 79-5 79-5 79-4 79-5 79-8 80-6 81-8 82-2 82-8 81-9 81-9 81-2 80-6 80-9 81-8 82-5 83-0 83-6 80-0 80-0 79-5 79-3 80-8 80-7 81-5 81-8 82-5 83-0 83-6 83-5 83-4 82-9 83-1 83-3 83-2 84-1 84-5 85-1 86-0 85-7 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-9 81-1 81-0 80-7 81-4 81-7 81-6 81-8 82-0 82-3 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-9 80-6 80-3 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-5 81-0 81-0 81-0 82-0 82-3 82-5 81-5 80-1 79-8 79-5 79-5 80-8 80-7 80-8 80-7 80-6 81-0 81-0 82-0 81-8 82-2 82-8 82-2 82-0 81-9 81-9 81-2 80-6 80-3 81-8 82-5 83-0 83-6 83-2 83-5 83-6 80-0 80-0 79-5 79-3 80-8 80-7 81-5 81-8 82-5 83-0 83-7 83-9 83-4 83-1 83-5 83-5 83-5 83-4 82-9 83-1 83-3 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-0 80-6 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-5 81-0 81-0 81-0 81-0 82-0 82-0 82-3 82-5 82-1 80-0 80-7 80-5 80-7 80-8 80-7 80-5 81-0 81-0 81-0 81-0 82-0 83-0 81-4 81-2 81-5 81-4 81-2 82-4 82-2 82-0 81-9 81-9 81-2 80-6 81-8 82-5 83-0 83-6 83-2 83-5 83-1 80-0 80-0 79-5 79-3 80-8 80-7 81-5 81-8 82-5 83-0 83-6 83-2 83-5 83-1 83-3 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-0 80-6 80-3 80-9 81-1 81-0 80-7 81-4 81-7 81-6 81-8 82-0 82-3 82-5 82-1 82-3 80-0 80-3 80-5 80-7 80-8 80-7 80-5 81-0 81-0 81-0 82-0 83-0 81-4 83-2 81-5 81-1 81-3 81-9 82-4 82-2 82-0 81-9 81-9 81-9 81-2 80-6 81-8 82-2 82-8 82-9 82-8 82-9 82-4 82-8 82-8 82-2 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-8 82-9 82-9	80-0 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-5 81-0 81-0 81-0 81-0 82-0 82-3 82-5 82-1 81-3 81-6 81-7 81-6 81-8 82-2 82-8 82-1 81-5 81-4 81-7 81-7 81-6 81-8 82-2 82-8 81-4 81-7 81-7 81-7 81-7 81-7 81-7 81-7 81-7	80-0 80-3 80-3 80-9 81-1 81-0 80-7 81-6 81-8 82-0 82-0 82-3 82-5 82-1 82-3 81-6 81-3 80-0 80-3 80-5 80-7 80-8 80-7 80-8 81-0 81-0 81-0 82-0 82-0 82-0 81-8 83-2 81-5 81-9 81-7 80-8 80-3 80-1 79-8 79-5 79-5 79-4 79-5 79-8 80-6 81-8 82-2 82-8 82-2 81-8 81-9 81-9 81-2 80-6 80-9 81-8 82-5 83-0 83-6 83-2 81-5 81-9 82-4 82-1 82-0 80-0 80-0 79-5 79-3 80-8 80-7 81-5 81-8 82-5 83-0 83-0 83-0 83-2 83-2 83-2 83-2 83-2 83-2 83-2 83-2	80-0 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 81-0 81-0 81-0 81-0 82-0 83-0 81-4 81-5 81-5 81-1 82-3 81-6 81-3 81-0 80-1 79-8 80-8 80-7 80-8 81-0 81-0 81-0 81-0 81-0 81-0 81-0	80-0 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-5 81-0 81-7 82-0 82-0 83-2 81-6 81-3 81-6 80-5 80-6 80-8 80-7 80-5 81-0 81-0 82-0 83-0 81-4 81-5 81-9 81-7 80-8 80-5 80-5 80-4 81-9 81-9 81-7 80-8 80-5 81-0 81-0 82-0 82-0 82-0 82-1 82-3 81-8 81-7 81-9 81-7 80-8 80-5 80-4 81-9 81-9 81-9 81-9 81-9 81-9 81-9 81-9	80-0 80-6 80-3 80-5 80-7 80-8 80-9 80-8 80-9 80-9 80-9 80-9 80-9	80-0 80-6 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-8 81-0 81-0 81-0 82-0 82-0 82-3 82-5 81-4 81-3 81-0 80-5 80-4 80-5 80-3 80-0 80-0 80-0 80-0 80-0 80-0 80-0	80-0 80-6 80-3 80-9 81-1 81-0 80-7 81-4 81-0 80-7 81-4 81-0 82-0 82-8 82-8 83-2 83-6 81-3 81-0 80-5 80-3 80-0 80-0 80-0 80-0 80-0 80-0 80-0	80-0 80-3 80-5 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-7 80-8 80-8

362. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres

MAY, 1935

Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	M
Day	OA	°A	οA	OA	οA	°A	°A	٥A	°A	οA	°A	O _A	o <u>a</u>	o <u>A</u>	°A	°A	o _A	°A	°A	°A	o¥.	۸o	°A	OA.	١.
ì	83.7	84.1	83-3	83-4	84.0	84.1	84 - 7	84 • 8	85.1	85.0		85.3		85-8	85-4		85 • 2	85-1	85 • 0	85.0	85-0	84 - 8	84.6	84.6	8
2	84 • 4	84.8	84.8	84.8	84.8	84.7	84 • 9	85.0	85.1	85.1		85.3		85.1	85.1		85.0	85-0	84-9	84.9	84-9	84.8	85-0	85.0	8
3	85 • 1	84 - 7	84.5	84.3	84.0	84.7	84 - 8	85 - 2	85.7	85 - 7		85.3		86.0	85-3		85.1		84-4	84.1	83.7	83-8	83.7	83.2	l
4	83-2	83.0	82.9	82.2	81.4	80.9	82.2	84 - 2	34.3	84.6	84 • 7	84.9		85 • 8	85-1		84 • 8		84-1	83.9		83.6	82 • 6	82.0	I
5	82.6	82-9	82.5	83.1	82.1	81.6	83-1	85 • 2	86-0	86 - 6	87-0	86 • 9	86-0	86•3	86-0	86-8	86 - 4	85-9	85 • 2	84.3	83.5	83-0	81-4	81.2	۱
6	81.0	79-9	79-1	79•0			82-6	84.1	86 • 4			85•3			86-6		86 • 3			85-3			83-1	82.9	۱
7 ·	82.0	81.0	81.0	80.3	80.8	81.9	82 • 2	83-6	84.6	85.7.		85-9		86 • 8					86 • 5	85-8	85.3	84 • 4	84.0	83.3	ı
8	82 • 4	82 • 4	82-4	82 • 4		82.4	84 • 7		88•3	89.9		90.2		92.9	89-9		90-4		86-4				84.0	83.5	1
9	82 • 2	81.0	80.1	80.2				83.9	85.9		89 - 5				90 • 5			87 - 5			85 1		83.8	82 - 7	1
10	82•6	82.0	81-9	81.6	81.0	80.8	82.8	83-4	84.5	85 • 2	86 • 2	87•0	88+0	88-2	88 • 7	88-8	89-4	89•1	88 • 5	87-1	85.9	85-4	85-1	85.3	l
11	85•0	84.2	83-4	82.2	81.6		84 • 4	86-8	88•3	88 • 9	89-2	89-0		91.2	91.8		89.0	88 • 8	88 • 1	86 - 2	85.0	83.9	83.2	82-4	١
12	81.9	81.3	80.8	80.3	80 • 4		84-0	86-9		89-8	91.0				91.2				87.5		85-6	86 1	85.4	85 - 2	ı
13	84 • 4	83.8	83.6	82.3			83.1		85.7	85 - 5	87-0				86 • 5			84 · 7	84 • 2		83.5	83.1	83.4	82.9	1
14	82•3	82.3		81.9	82.5	82-8	83-2	83-8		84 • 2		85.2			86 • 0					83.2		80.0	79 - 1	77.4	1
15	77.0	76•3	76 • 0	75.6	75-8	76 · 5	79・2	83.1	85.3	85•3	85.0	85.1	85•5	84-4	84.0	84.5	84.6	85.1	83.7	83-2	82.8	82.3	80.9	80-2	١
16	80 • 2	80.0	79-6	79.7	79-4	79-2	79-0	79-9		80.3		81.9			82 - 8		83.0	82.3	81.1		79.9	80.1	80-8	80-9	1
17	81.2	80.8		80.7	81.0		80-1	80-3	79•5	80.5		81.0		82.1	82.1		82-2	82.6	82-0		81.6	81.0	80.5	80.5	Г
18	80.1	79・9	79 - 7	78 • 9		80.0	80.0			81.6		82.9		83-0	83.8			83.3	83.0		82.9	83.0	83.5	83-6	ı
19	82.8	83.2	83.0	82.9		83.1			84 • 2	84 • 4	85.3				85.2			84 · 7	84.0		83.1		82.8	83.0	
20	83•0	82 • 4	82.2	82-4	82.9	82.8	83.2	83-2	83.1	83.4	83.0	83.2	83.7	83.6	83.9	83-3	83:2	84.1	83-3	83-0	82.4	82.1	82.4	82.6	ı
21	82.5	82.1	82.5	82.2	81.5	82.2	83-3	84.0	84.8	85 - 7	85-6	85 - 3	86-8	87.5	88 • 0		88 - 2	87.8	87.1	85-4	84.0	83.6	83.0	82.7	1
22	82.2	81.8	81.0	80.9	79.9	80.1	82.2	84.9	86.9	87.2	88-0	88 • 1	88 • 0	88-0	88.0	87.6	86 • 2	86 • 0	85 • 4	85.0	84.1	84.3	84.2	83.9	ı
23	83.2	83.5	82.9	82.0	81.7	83-1	83.7	84 - 3	83.0	83.9	84.9	85 • 0	86 • 1	87.0	87.5		88 • 2	87.0	86 - 2	85 • 3	84.0	83.7	83.4	82-9	1
24	83.0	82.0	81.4	81.4	80.9	81.8	84.6	86 • 9	87.9	87.7	88 • 2	89•0	88 • 8 /		89-0			88.0	87.0	86 • 6	86 • 4	86 - 3	86 • 7	86 - 9	1
25	86 • 3	85.8	85.0	83.6	83.4	83-7	85.1	87-0	88-4	88•3	89-0	89 • 7	90 • 2	90 • 4	89-9	90 • 5	91.3	91.0	90•6	88 • 5	87.7	87.4	87.0	87-0	
26	87-2	86 - 9	87.0	86-6		86.9		88-5		90.7	90 - 2		89-1		88 • 2				86 - 5	85 - 5		84.0	83.0	81.3	l
27	81.0	80 • 4	80.3	79.1		81.0		85-4		88 • 5		89-6		90-2	89-8			89.3	88 • 0	87.3	86 • 5	85.5	84 • 2	84 • 3	ı
28	83-2	82 • 4	82.2	82.2	82.3	82.3	84 • 4	87.5		89.5		89 • 4		89-6	89 • 2			87 - 8	87.4		85.0		83.3	82-9	1
29	82.2	82.1	81-1	80+9	81.4	82.2	83-2	84.2	86.8	88 - 1	88-1							87.0	86 • 6	86.0	85.2	84 • 8	84.1	83-4	1
30	82•7	82.0	82-3	82.3	81.7	82.7	84 • 2	85-0	86.4	87.9	88 • 5	88・4	88 • 5	88-2	88 • 4	87-4	87.6	87-1	86 • 8	86 • 4	86 • 2	86.3	86 - 2	86.1	
31	86•0	85•9	85-9	85•9	85 • 7	85•6	85-6	85 • 5	87.0	88 • 8	88 - 2	89-5	90 • 2	89•4	89•6	89•5	89•0	87.9	87.3	86 • 2	85.5	85 • 5	85-4	85 • 7	L
Mean	82.8	82-4	90.1	81.8	81.6	00.1	92.2	04.6	85.7	96.0	86 • 6	96.0	87 - 2	87.3	87.2	87.1	96.8	96 • 4	85-8	85.0	84.3	83.9	83.5	83.2	L

363. V	VALENT	IA OB	SERVA	TORY:	Nor	th Wa	11 Sc:	reen:	$\mathtt{h_t}$	= 1•3	metr	es											JUNE	, 193	5
Day 1 2 3 4 5	85.2 85.2 84.3 84.5 84.5	°A 84·6 85·0 83·7 84·5	°A 83·9 84·8 84·0 83·4 84·4	°A 84·3 84·2 83·5 83·5	°A 84·7 83·6 84·2 83·2 84·1	°A 86·0 83·4 84·2 84·0 84·8	%A 86·1 86·0 84·5 84·0 85·0	°A 86 • 2 86 • 0 83 • 6 84 • 1 85 • 1	°A 86·7 87·0 85·2 84·0 85·9	°A 86 ·8 88 ·0 85 ·8 84 ·4 86 ·8	°A 88·4 87·9 86·5 85·7	°A 88·7 87·8 87·3 85·5 87·4	86 • 0	°A 87·3 87·4 85·3 87·0 87·7	°A 87·9 84·8 85·1 86·2 87·9	86 - 2	°A 87·6 86·0 87·5 85·5 88·2	86.9 86.0 86.6 86.0 87.4	°A 87·1 86·0 85·9 85·4 87·2	°A 87·0 85·2 85·0 85·2 86·1	°A 86·3 84·0 85·0 85·0 85·0	% 86.0 84.0 84.1 85.0 84.6	°A 86·4 83·8 84·4 84·8	°A 86·1 84·2 85·0 84·3 84·7	86 85 85 84 86
6 7 8 9 10	84·7 84·2 83·5 83·5 84·1	84.0 84.4 84.5 83.3 84.6	84·4 83·5 84·2 83·6 85·0	84·8 83·9 84·5 83·6 85·0	85.0 82.8 83.9 83.4 84.8	85·1 83·5 84·1 84·1 84·6	86.0 83.6 85.1 84.8 84.6	86 • 0 86 • 0 86 • 1 86 • 9 84 • 6	86 • 4 86 • 1 86 • 4 87 • 2 84 • 9	87.0 86.5 87.0 87.0 85.0	87.5 87.6 87.0 88.0 85.1	87.9 88.0 87.5 88.0 85.3	88.0	89·1 86·1 87·9 88·2 85·5	88.0 87.1 88.0 87.8 85.9	87 • 0 87 • 9 88 • 0	87·5 86·4 86·2 87·2 85·6	87·1 85·9 86·0 86·8 85·2	86 • 8 85 • 9 86 • 2 85 • 1 85 • 6	86 • 4 85 • 5 85 • 3 85 • 3 85 • 2	86·3 85·0 84·8 85·0 85·1	85.8 84.4 83.3 84.8 85.1	83.8 85.0 83.1 84.6 85.0	84·1 83·9 83·0 84·8 85·1	86 85 85 85 85
11 12 13 14 15	85.0 83.1 83.2 82.4 83.4	84·4 83·1 82·4 82·1 83·7	84·4 83·0 83·0 82·1 83·7	84·4 82·7 83·0 81·3 84·0	84.6 82.6 83.2 81.8 83.9	84.8 83.3 83.4 82.0 84.5	84.6 84.1 84.1 84.8 85.1	84.5 85.3 86.1 85.0 85.9	85.0 85.0 87.1 86.1 86.9	85·1 86·8 87·4 87·8 86·6	86 · 0 86 · 4 86 · 9 86 · 6 87 · 3	86·1 86·4 86·8 87·4 87·5	87.9	86 - 8 87 - 1 84 - 7 88 - 0 87 - 9	87.6 87.1 85.0 87.5 87.9	84 · 5 88 · 2	86 • 4 86 • 0 83 • 5 88 • 3 87 • 8	85·3 85·2 82·9 87·3 87·0	85.6 85.4 83.2 87.1 86.2	85·4 84·6 83·4 86·9 86·0	84.0 83.6 83.1 85.9 85.7	83.5 82.2 83.0 84.2 85.7	83.5 82.1 83.0 83.8 85.8	83·1 83·0 83·3 83·7 85·5	85 84 84 85 85
16 17 18 19 20	85·2 84·3 86·6 87·0 87·0	85·1 83·9 86·7 87·2 87·2	85·1 83·5 86·8 87·4 87·3	85·2 83·9 86·8 87·2 87·6	85·3 84·1 86·8 87·2 87·5	85·3 85·1 86·7 87·1 87·4	85.5 85.9 86.9 87.1 87.5	86 • 0 86 • 4 87 • 3 87 • 2 88 • 1	86.0 85.7 87.1 87.3 88.6	86 · 8 85 · 9 87 · 2 87 · 3 89 · 0	87·3 85·9 87·4 87·6 89·5	87·7 86·1 87·6 87·4 89·2	88.1	88·1 87·0 89·5 87·6 90·0	88·1 87·5 90·1 88·0 89·8	90•9 88•0	87·9 87·9 89·0 88·1 89·1		87·2 86·9 88·3 87·2 87·9	86.5 87.0 87.8 87.0 87.4	85·9 86·9 87·3 87·0 87·6	85.6 86.9 87.2 86.8 87.6	85.5 87.1 87.1 86.8 88.0	85.0 86.7 87.0 86.8 87.9	86 81 81
21 22 23 24 25	87·8 87·9 85·0 84·9 86·5	87.8 87.8 84.2 84.4 86.4	87 • 9 88 • 1 83 • 8 83 • 9 86 • 4	87·9 88·2 82·4 84·0 86·5	87.0 88.1 83.1 84.3 87.1	86·9 88·0 84·2 86·0 86·9	86.8 88.1 86.1 87.0 87.0	87.0 87.9 89.4 88.4 87.0	88.0 87.6 87.7 88.3 87.9	88.5 88.0 88.4 88.9 88.1	89·3 88·2 88·5 88·2 88·4	89.0 85.9 89.1 87.9 89.3		89·9 89·0 89·2 88·0 91·7	89·9 89·0 89·7 87·7 91·7	89·0 90·3 87·4	90·0 89·3 89·9 87·2 91·6	89·4 88·7 89·1 87·3 91·3	88·1 87·8 88·8 87·2 90·8	88.0 87.0 87.8 87.1 90.4	88.0 86.4 86.8 87.2 89.5	88·1 86·0 86·0 87·2 88·0	88·1 85·5 85·0 87·0 87·4	88·3 85·1 85·9 87·0 87·3	8 8 8
26 27 28 29 30	87·2 85·8 87·2 87·2 85·3	87.6 85.7 87.3 86.9 84.4	87.6 85.6 87.3 86.8 84.3	87.0 85.7 87.2 86.7 84.6	86·9 85·4 87·2 86·9 84·7	86·9 86·0 87·2 87·0 85·0	87 · 2 86 · 4 87 · 3 86 · 5 86 · 3	87·3 87·2 87·9 87·3 87·0	87·4 89·4 88·3 87·7 87·4	87.5 89.7 89.1 88.5 87.4	88·1 90·1 89·4 89·1 87·9	87.2 88.5 90.2 89.6 88.2	87.0 88.1 90.6 89.7 89.0	87 • 0 87 • 6 90 • 0 90 • 5 88 • 8	87·3 87·9 89·6 90·9 88·9	88·0 90·1 90·1	87.0 87.8 89.6 89.5 89.0	86 · 8 87 · 9 89 · 3 88 · 6 88 · 2	86 · 4 87 · 6 88 · 7 88 · 4 87 · 8	86·3 87·4 88·3 87·4 87·2	86·2 87·3 87·9 87·1 86·4	86.2 87.3 87.1 86.4 85.2	86·1 87·3 87·3 85·3 84·0	85 · 9 87 · 2 87 · 3 85 · 0 83 · 5	8' 8' 8' 8'
Mean	85.2	85.0	85-0	84-9	84.9	85•3	85 • 8	86-4	86-8	87.3	87-6	87 • 7	87-9	88-0	88-0	88-1	87.8	87•3	86 • 9	86•5	86•0	85•6	85•4	85•3	80
Hour	i	٤	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me

364. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1.3 metres

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	n.	Noon	13	14	15	16	17	18	19	20	. 21	22	23	24	Mean
Day 1 2 3	°A 82-8 87-5 86-9	82-8 87-4 86-5	°A 82-0 87-3 86-4	°A 82•7 87•2 86•4	86-4	°A 83·9 87·2 86·6	°A 85•7 87•7 86•9	°A 87•5 88•0 87•8	°A 88-4 88-2 87-4	°A 90-0 88-6 87-4	°A 90•7 89•1 87•9	°A 90∙0 90∙0 88∙5	°A 89·9 90·0 89·1	°A 89·3 90·0 89·4	°A 88-0 89-4 89-7	°A 88·1 89·4 89·8	°A 88·1 89·4 88·3	°A 88•2 89•2 88•4	°A 88•4 88•7 88•4	88.2 88.0 88.4	°A 88-0 87-7 88-4	°A 87•7 87•4 88•3	°A 87•6 86•7 89•0	°A 87•6 86•9 89•0	°A 86•3 88•3 88•0 89•2
4 5	89•0 87•5 87•6	88•8 87•5	88•9 87•4 87•2	88•7 87•6 87•0	88·7 87·4 87·0	88•9 87•6 87•1	88-9 87-9 87-4	89-0 88-2 87-9	89·7 89·0 88·4	89·9 89·0	90-0 89-4 89-9	90·5 90·1 90·0	91.0 90.0 91.0	90·9 89·8 90·9	90-8 90-0 91-9	89·4 89·3 92·3	89·2 89·6 92·6	89.0 89.5 91.5	88-9 89-9	88•7 88•4 89•4	88-2 88-0 89-0	87·9 87·9 88·7	87.6 87.8 88.0	87•8 87•4	88•6 89•1
7 8 9 10	88 • 0 90 • 7 89 • 0 86 • 0	88.0 90.8 89.0 86.1	88-6 90-2 89-1 86-0	88.0 90.4 89.0 85.2	90-4	90·4 90·1 89·4 85·2	91.5 90.6 90.0 88.0	92·3 92·3 90·3 89·3	92·2 93·4 90·4 90·1	93·7 93·9 90·0 89·8	94-1 94-2 90-0 89-6	94·0 94·1 90·3 89·4	94-3 92-8 90-4 90-0	94·9 93·9 90·1 90·1	94.8 93.1 90.1 90.8	94·9 93·9 89·0 90·8	84·2 92·6 88·6 90·4	93.9 91.5 88.0 89.4	93·0 90·3 87·8 89·0	92·1 90·0 88·0 88·4	91·1 89·5 86·8 87·3	91.0 89.1 86.8 86.4	90·7 89·1 86·0 86·3	90·1 88·7 85·8 85·8	91.8 91.5 88.9 88.1
11 12 13 14 15	85·9 83·0 87·3 87·5 85·1	85-3 83-0 88-0 87-0 85-1	83·3 82·0 88·1 86·9 85·3	82.5 82.0 88.4 86.5 83.9	82·1 88·8 86·9	83.4 83.2 88.5 86.9 83.4	85.6 86.3 88.4 87.1 86.7	88·4 88·3 88·7 88·5 88·0	90.0 90.9 88.9 88.0 88.3	89.2 91.3 89.2 88.9 89.0	89·9 91·2 89·7 89·5 89·0	90.0 91.3 90.0 89.9 89.4	89·9 91·3 90·4 90·2 89·0	90-4 91-0 91-0 90-1 88-6	90-8 91-2 90-9 90-2 89-9	91.0 90.8 90.9 90.5 90.5	91.0 90.2 90.0 90.7 90.2	90-0 90-1 88-9 90-0 89-0	89-5 89-8 88-2 89-7 88-9	88 • 9 88 • 4 87 • 9 88 • 4 88 • 4	87.6 87.3 87.8 87.1 88.0	86 · 0 87 · 2 87 · 5 86 · 9 87 · 8	84.6 87.2 87.4 86.5 88.0	84-0 87-2 87-4 86-2 87-7	87•5 87•7 88•8 88•4 87•6
16 17 18 19 20	87-4 87-1 86-5 85-5 86-8	87•4 86•5 86•9 85•4 87•0	87 • 5 86 • 8 86 • 9 85 • 8 86 • 5	87-9 86-5 87-0 86-0 86-9	86 • 7 86 • 1	87 • 4 86 • 5 86 • 4 86 • 8 86 • 8	87·7 87·0 87·1 87·7 87·0	87-9 87-4 87-5 87-5 87-0	88.2 88.0 87.4 88.1 87.4	88-4 88-2 88-0 87-2 87-5	88.6 89.3 88.9 88.8 88.1	88-8 89-6 88-3 88-5 88-3	89-0 89-9 89-0 89-0 88-7	89-2 89-9 89-0 89-1 88-6	89·2 90·0 89·3 89·7 89·1		89·1 87·3 88·0 89·1 89·0	88.9 88.1 87.6 89.1 88.6	88.9 87.9 88.4 87.9	88 · 8 87 · 9 87 · 8 88 · 2 87 · 3	88.8 87.3 88.1 87.9 87.0	88.0 86.3 87.4 87.2 86.3	87.5 86.6 86.4 87.2 86.3	87.5 86.2 86.0 87.1 86.5	88 • 3 87 • 8 87 • 6 87 • 7 87 • 6
21 22 23 24 25	86 - 4 88 - 0 88 - 3 87 - 1 85 - 3	86 • 2 88 • 0 88 • 4 87 • 1 85 • 3	86 • 2 88 • 0 88 • 3 87 • 0 85 • 4		86 • 3 88 • 0 88 • 0 87 • 0 84 • 9	86 • 0 87 • 9 86 • 6 84 • 6	86 • 9 88 • 4 88 • 0 87 • 8 86 • 7	86 • 8 89 • 2 88 • 3 88 • 0 87 • 0	87.0 89.9 88.9 88.2 87.5	87.5 90.3 89.6 88.8 88.1	88•1 90•9 89•9 89•0 88•6	89.2 91.6 90.0 89.9 89.0	89-6 92-9 90-0 90-1 89-3	89.8 93.1 90.6 90.4 89.3	89·5 92·5 90·3 90·3 89·5	89-5 92-1 90-6 90-4 89-9	89·4 92·3 90·3 90·9 90·0	89.0 91.5 90.2 89.8 89.1	89.0 91.0 90.0 88.9 88.8	88 • 4 90 • 3 87 • 8 88 • 0 87 • 9	88·3 89·7 88·0 87·1 87·3	88·3 89·1 87·9 87·0 87·0	88 • 1 88 • 9 87 • 5 86 • 4 86 • 7	88.0 88.4 87.4 85.5 86.9	87-9 90-0 89-0 88-3 87-5
26 27 28 29 30	86 • 4 89 • 0 89 • 0 87 • 9 85 • 1	87-0 89-3 88-6 88-0 84-8	86 • 4 89 • 3 88 • 6 88 • 0 84 • 3	89·2 88·5 87·8	89•1 88•4 87•5	88.0 89.2 88.3 87.5 83.1	88·1 89·0 88·1 88·3 86·0	89.0 89.0 88.3 88.5 88.2	89·2 89·1 88·7 89·0 89·9	89.3 89.1 89.1 89.1 91.1	89·1 89·5 89·9 89·5 91·2	89.4 89.8 90.1 90.0 91.0	89-8 89-9 90-0 90-3 91-4	89.9 90.0 90.6 90.7 91.3	90-0 90-0 90-2 91-1 91-0	89·9 90·1 90·6	90-2 89-9 89-9 91-0 90-4	90·1 89·4 89·7 90·5 90·3	90.0 89.4 89.4 89.9 89.7	89·9 89·4 89·0 89·0 88·9	89·0 89·2 88·4 87·4 87·3	89·1 89·2 88·0 86·4 87·8	89·2 89·1 88·0 85·8 87·9	89.0 88.9 87.9 85.1 87.0	88-8 89-4 89-1 88-8 88-1
31 Mean	86 • 5 87 • 0						_					92.8	92.7	92.5		92.1	91.3	<u> </u>	90-5	89·9 88·7	88-1	 	86 • 8	86 • 9	88•9 88•5

365. VALENTIA OBSERVATORY: North Wall Screen: $h_t = 1.3$ metres.

AUGUST, 1935

JULY, 1935

505. VA	DEM 1.12	· ODU	M(VAI)	<i>.</i>	1101 01	. Hall	Lacre	.611.	11° -	- , ,	10 01 01	•													, ,
Day 1 2 3 4 5	87.0 87.9 85.9 87.0 88.9	°A 87·1 87·9 86·2 87·1 89·0	°A 87.2 87.8 86.8 87.4 89.1	% 87.5 87.4 86.6 87.0 89.1	°A 87.5 87.8 86.6 87.2 89.1	87.6 87.4 86.8 87.4 89.0	0A 88·4 87·1 88·0 87·9 89·3	°A 89-8 87-0 88-0 88-9 89-4	°A 91.5 87.3 89.0 90.0	91.4 88.0 89.2 90.1 90.8	92-0 88-8 89-4 90-4 91-9	°A 91.8 89.5 89.8 91.0 91.3	°A 91.8 89.9 90.4 91.2 91.9	92-1 89-9 90-9 91-1 92-0	°A 91.9 89.5 90.2 91.2 92.1	°A 91·4 89·0 90·5 91·1 92·0	°A 91·4 89·2 90·4 90·7 91·4	°A 90·5 88·8 89·9 89·9 90·3	°A 90•0 88•0 89•3 89•8 90•0	%A 89·5 87·8 88·4 89·2 90·0	0A 88·1 87·5 88·0 88·7 89·7	88.0 86.6 88.1 88.4 89.7	0A 87.6 86.9 88.4 88.5 89.6	0A 87-9 86-8 88-1 88-7 89-4	89.5 88.1 88.5 89.1 90.2
6 7 8 9 10	89-5 88-4 90-0 86-8 88-7	89·5 88·0 89·9 87·0 88·6	89•2 87•6 89•8 86•9 89•0	89·1 87·5 89·6 86·8 89·0	89·1 87·0 89·4 86·3 88·9	89 • 2 86 • 9 89 • 2 86 • 2 89 • 0	90-0 87-6 89-3 87-0 89-0	91.9 88.9 89.0 88.1 89.5	91.0 90.0 88.4 90.9 90.0	91.0 91.1 88.0 91.3 90.8	92.2 89.9 88.9 91.3 91.4	93-0 91-0 89-5 91-5 91-6	92.5 90.6 90.0 92.0 91.8	92.0 91.9 90.3 91.8 91.4	91.4 92.6 90.0 91.3 91.3	92.0 92.6 89.5 91.6 91.0	92·3 92·3 89·4 91·4 90·7	92·3 92·0 88·9 91·4 90·2	91.3 91.1 88.0 90.7 90.0	90.0 90.4 87.5 89.4 89.9	89.5 90.0 87.9 88.9 89.3	89.0 89.8 87.3 89.0 89.3	88•9 89•6 87•6 88•9 89•7	88•7 90•0 87•4 88•5 89•7	90-6 89-8 89-0 89-4 90-0
11 12 13 14 15	89 • 7 87 • 4 87 • 0 85 • 6 87 • 6	89.7 87.0 87.0 86.1 87.7	89 • 6 86 • 3 86 • 9 86 • 4 87 • 3	89•7 85•4 86•9 86•5 87•8	89 • 8 85 • 4 86 • 5 86 • 2 88 • 0	89.8 85.9 86.2 86.4 88.1	90 • 0 86 • 0 86 • 6 86 • 7 87 • 9	90 • 2 86 • 0 87 • 3 86 • 9 88 • 5	90 • 7 86 • 4 87 • 9 86 • 9 89 • 5	90-6 87-4 88-3 88-3 90-4	90.5 88.2 88.0 88.9 91.0	90.5 88.3 88.5 87.8 91.1	91.0 88.3 88.9 90.0 91.0	91-1 88-6 89-0 89-0 91-1	90-9 89-0 89-0 89-4 90-6	90.7 88.9 87.8 89.8 90.0	90·4 88·5 88·2 89·9 89·7	90.0 88.4 87.6 89.2 89.2	90·3 87·9 87·6 88·8 89·1	90•4 87•1 87•0 87•9 89•0	89·9 87·2 86·4 87·2 89·2	89.5 86.9 86.1 87.4 89.2	89·3 87·0 85·9 87·5 89·2	89•4 87•0 86•1 87•5 89•2	90·2 87·3 87·4 87·7 89·2
16 17 18 19 20	89-2 89-5 88-5 88-1 89-4	89•3 89•4 88•2 88•3 89•4	89·1 89·3 88·1 88·3 89·3	89-2 89-3 88-0 88-3 89-2	89-2 89-2 87-9 88-4 89-1	89-2 89-3 87-4 88-8 89-2	89·3 89·4 87·5 89·0 89·4	89.7 89.5 87.9 89.2 89.8	89.8 89.7 88.5 89.6 89.9	90.0 90.0 89.2 90.0 90.8	90·3 90·0 90·2 90·0 91·0	90-1	91·3 90·2 90·0 90·1 92·0	91.5 90.2 90.5 91.0 91.9	91.0 91.0 91.2 91.3	91.5	91.4 91.0 89.4 90.3 91.0	91.0 90.7 88.8 90.0 90.3	90-4 90-2 89-0 89-9 90-0	90.0 89.8 88.5 89.3 90.0	89-9 89-7 88-3 89-3 89-7	89.6 89.6 88.3 89.3	89.6 89.7 88.2 89.2 89.8	89 • 5 88 • 8 88 • 2 89 • 3 90 • 0	90·1 89·3 88·3 89·5 90·2
21 22 23 24 25	90+0 86+9 84+9 87+4 87+8	89-9 87-1 83-9 87-2 87-4	88·1 87·4 83·8 87·2 87·0	88-0 87-3 83-4 87-4 86-7	87.4 87.4 83.0 87.4 86.5	87·4 88·0 82·6 87·5 86·4	87-9 88-3 83-9 87-3 87-0	89.0 88.9 85.9 87.9 87.4	89·1 89·4 87·0 88·1 88·1	89•4 89•2 88•6 88•8 88•3	89.6 88.9 88.4 88.7 88.7	89.7 88.8 88.6 89.2 88.8	90·3 89·0 88·6 88·6 88·9	90-6 89-1 89-2 88-9 89-0	89.9 89.0 88.9 89.1 88.8	90.5 88.3 88.4 88.4 88.4	90-0 88-4 88-5 89-1 88-5	89.5 88.3 87.3 88.3 88.0	88.5 88.3 87.0 88.1 87.4		86 • 1 86 • 2 87 • 3 88 • 0 87 • 0	86 • 1 85 • 9 87 • 1 88 • 5 87 • 0	86 • 0 85 • 7 87 • 1 88 • 0 86 • 7	86 • 7 85 • 1 87 • 3 88 • 0 86 • 5	88 • 7 87 • 9 86 • 5 88 • 1 87 • 7
26 27 28 29 30	87-4 85-1 82-9 84-0 86-0	84-4	88·4 84·9 83·2 84·0 85·4	88.9 84.0 83.4 83.5 85.2	89-0 84-1 82-5 82-5 84-4	89.0 85.1 82.6 82.1 84.6	89·1 84·3 82·8 85·0 85·1	89-2 85-4 84-0 85-4 86-2	89·4 86·0 85·4 86·1 86·7	89.7 87.0 85.6 86.5 88.1	89-8 85-5 86-4 87-2 89-0	89-9 86-4 87-4 86-9 88-4	90.0 87.0 85.0 86.5 88.8	90-0 86-2 86-1 87-9 88-9	88-8 87-6 87-1 87-3 88-9	88-1 86-9 87-0 87-0 88-7	87.6 87.1 86.7 86.3 88.4	87.3 86.9 86.3 86.9 88.5	85 • 9 85 • 7 86 • 9 87 • 9	86 - 0 84 - 9 85 - 4 86 - 4 86 - 9	85-4 83-7 85-5 85-4 85-9	85.0 84.3 85.2 86.4 84.1	86 • 3 83 • 4	85.0 82.8 84.4 86.5 82.9	88·1 85·5 84·9 85·7 86·7
31 Mean	82·4 87·3	87.3	82 • 2 87 • 2			81·2 87·0		84- 0	86.0		89.5		89•4	90.1	90-0	88-6	88+8	89-2	88•5		87.8	85-7		84-8	85•9 88•4
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

367.

Day 1

22 23

25

26

27

28

29

30

31

Mean

Hour

G. M. T.

VALENTIA OBSERVATORY:

85-4

81-0

81.1

85.3

83-9

86 - 2

86 - 4

83 - 5

81-2

83.7

3

80-9

81.7

85.2

83.5

85 - 2

86 - 1

86 • 4

83.2

81.0

83-8

2

81.8

85.0

83.9

85.9

86 - 5

83.5

82.6

84.0

1

81.3

81·1 85·2

84.3

85.1

86.3

86 - 3

83.6

81.6

83.7

81.0

81.5

85-4

83.0

85.2

86+0

86.3

84-0

81-1

83-7

5

80-8

82.5

85.5

83-1

85 - 9

86 . 2

86 • 7

84.0

80.9

83-6

6

80-5

82.9

85-2

82-4

86 · 3 86 · 1

87-0

84 • 4

80-0

83.6

80.5

83.1

84-0

83 - 2

85-3

86 - 5

86 - 0

86 - 3

84-9

79-9

83-7

8

81.1

83.8

84.2

83-4

85.5

86 • 6

86-1

86 • 0

85-0

80.9

84.1

9

٥A

85•5

٥A

85-4

88 . 4

٥A

85-3

North Wall Screen:

85-1

86 - 0

Readings in degrees absolute at exact hours, Greenwich Mean Time

SEPTEMBER, 1935

OCTOBER, 1935

04

83.9

OA

83.9

OA

85-3

R2-4

84.1

84-1

82.9

83.8

85-7

86 · 5

85-0

84 - 1

81.0

84 - 2

٥A

84 • 4 82.7 OA.

84.2

82.9

82.9

85.1

83.1

82.9

83.9

86.0

86.8

86.9

84.0

82.7

80.0

83.9

22

82.9

85.0

83.0

84-9

86 . 2

86.8

86.9

83.8

82.9

80-2

84.0

23

82.8

85-0

83-1

85.0

86 - 8

86 • 9

82-4

79-9

83-9

24

٥A

84.9

82.8

O.A

85-8

84-3 83-3

٥A

86 • 0

٥A

83-8

85-4

84.0

84.7

86 . 8

86 • 5

84.0

85-7

82-4

85-1

14

83-9

85·5 83·7

84.5

86 • 6

86 • 5

86 - 0

81.8

85-1

13

83.9

85.7

83.0

84.1

84 • 4

86 - 6

86 - 7

86 • 3

84.0

85.9

81.4

85-1

15

84.0

85.6

82.9

84.2

86.0

86 - 6

86 • 4

83.9

84.0

81.9

84.9

16

84.0

85•4 83•5

83.9

86 • 4

86 • 5

83.5

84.0

81.5

84.7

17

83.9

85.4

83.2

83.5

85.6

86 - 4

86 • 2

83.4

82.9

81-6

84.5

18

83.8

85.2

83.1

83.0

83.3

85.8

86 - 5

86 - 2

82.8

83-1

80-2

84.3

19

83-9

85.1

83-2

83-1

83.4

86.0

86 • 6

86 • 4

83-8

82-8

79 - 4

84.2

20

83-5

85-1

83.1

82-9

83 • 4

85-9

.86 - 9

86 - 7

83-2

83.0

80.1

84-0

21

86•3

85.4

٥A

86 • 0 | 86 • 2 83 • 8 | 84 • 0

OA

85-2

OA

85.0

83-2 82-8

366. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres

Hour 1 2 6 7 8 10 3 5 9 11 Noon 13 14 15 16 17 18 19 20 21. 22 23 24 M. T. O. °A ٥A ٥A Day OA OA OA. OA OA OA OA OA OA OA 85-0 85-2 84.9 85-0 85.1 85.1 85.8 85-8 86 - 0 86 • 5 86.8 87-1 87.3 88 - 1 88.0 87-4 87.2 87.0 86 - 98 86.6 86.6 86.9 87-0 86 - 3 88-9 86 • 2 87.0 86.0 86 • 8 87-4 87-6 89-4 87-6 86 - 5 87-0 86 . 9 86 - 2 85-9 88.5 89.5 89-9 89.0 89-0 88.5 86 • 5 86 - 3 86 - 1 86 - 6 87-0 87-7 88-4 89-7 89-1 88-7 88-9 86-0 86-0 85.3 85 - 4 85-4 88-4 87-1 85-2 85 - 5 86 - 0 85.6 85-2 85-9 86 - 8 87.4 88-0 88.6 87.8 88-2 89-2 89.3 89-7 88 - 5 87.0 86 . 7 86 . 5 86 • 2 86 • 6 86.9 86 - 9 87-0 87-1 5 85-8 .86 - 8 87-4 87-7 87-8 87-8 86.5 86-0 86 - 9 85.4 85-2 86 .0 87.8 87-6 87-0 87.7 86 - 4 86.8 86 - 0 86 • 9 85-6 87-3 87.4 88-0 86 • 5 87-1 85.9 83.8 83.2 83.2 83.5 85-4 86.7 88.0 88-4 89.0 89.5 89.6 89-6 89-4 89-3 88.8 88.2 88.2 88 - 4 88-4 88.5 88-6 88-7 88.7 88.9 89-0 88.8 88.7 89-0 91.0 91.0 91.3 89-2 88.9 88 - 5 88-9 88-9 89 - 3 90-0 90.1 91.1 91.0 90-3 90-4 90.0 88-6 89-6 89-3 90-2 90-4 87-0 86 - 1 89-3 89-3 89.4 89 - 9 90-6 90.4 89.3 90.5 90-0 90-0 88-5 87-0 89-1 86 - 3 90-4 86 - 9 87.2 87.2 87.0 86 - 7 85-9 86 • 3 87.0 88.3 89.0 89.8 90.3 90-6 91.0 89.7 89-4 89.3 89-1 89-0 89-1 89-1 88-9 88-4 88-8 10 89.0 88-9 88.2 88-9 89-3 89-5 89-6 89-7 89-7 90-1 90-2 90-6 89-8 90-0 89-0 89-0 89-0 89-3 89-0 89-0 88.7 89-0 89-0 89-3 88-6 88-3 11 88-8 88-9 88.9 87.6 87.5 87-9 88.0 89.1 90.2 90.2 90-2 91.0 89.8 89-2 89-6 89-4 89-4 89.3 88.9 89.6 89.5 89-1 89.1 12 88-7 87-6 87.7 87-9 89-2 89.1 88-9 87.5 87.3 87.2 89.3 88-2 88-1 88 - 9 89-3 89 - 7 89-2 90.0 90.0 88-0 88-2 88.5 88.3 88-0 88-6 87-7 87-0 87.4 86 •6 88-4 88-3 89-2 90-0 90.0 90-4 89.7 90-1 90-0 89-0 88-7 88-7 88-8 88-4 14 15 87.9 87-4 87-4 87.4 87.5 87.2 87.3 87.9 87.6 88.4 89.0 88.2 80.9 89-9 89.8 89.5 89.0 88.5 88.1 87.9 88.0 88.3 88-2 88.0 88-2 96 - 7 86.0 86 - 2 86.5 87-2 87.9 87.6 87 • 4 87-2 86 - 4 86 • 4 86 • 0 86 - 2 87-0 87.8 88-4 87-0 88.9 88 - 7 88.6 88.1 87.2 86 . 9 86 - 3 86.9 16 86 - 4 86 - 4 86 - 2 86 - 0 85.9 85-4 85-4 85-9 85.4 85-2 85-7 84.4 84.2 85.8 87.3 86 - 2 85-4 85-0 85.0 84 - 2 84.0 84-2 84 - 9 85-5 17 85.3 86 - 0 86 - 2 86.2 86 - 2 86 - 3 86 - 7 86 - 9 86 - 8 87.5 87.7 88-1 88.0 88-0 85.5 86 - 2 86 - 9 86 • 7 86 • 3 86 • 3 86 - 2 86 - 2 86 • 2 86 . 2 86 • 6 87-2 85-7 86 - 2 88-2 87-0 85-2 85-1 85-9 86 • 0 85-4 85-8 87-3 87-2 87.8 87-9 87.0 86 - 9 86 - 9 87-2 88-88 89.0 89-2 89-2 87-4 87-3 88-1 88-4 87-3 19 88.9 88+5 88.2 88-0 87-6 87.1 87-1 87.4 88-1 87-8 88-1 87.9 87.1 86.9 86.68 86.88 86.6 86.4 86.3 87-6 20 85-8 85.5 85 - 3 85-2 85-0 84.1 84 • 0 85-1 86 - 0 87.1 87.5 88-0 88 • 5 88-4 88-1 88.1 88-0 87.1 85-6 85.0 83-9 83.5 83.6 83 - 9 86-0 88-5 21 83-4 85-8 86 - 2 87-3 87.2 87-8 88-0 87-1 86 • 6 86 • 0 85-7 85 • 4 85.7 85-4 85-0 85-7 83-8 85-5 84-9 85-0 84.9 22 84.8 85-1 84-4 84.6 84.0 83.4 82.8 83.9 84.1 85-2 86 - 0 86 - 2 85-8 85-0 85.4 84 • 4 84.7 85-9 85.7 85.5 85-3 85.4 85.0 84.3 87-1 87.3 87-4 83-5 83-9 83-5 82.5 81.6 81.2 85-1 86.3 86 • 6 86.9 87-0 86 • 2 85-8 85-0 84.9 85-2 86-0 86 • 4 84-0 82-0 84.8 86.9 24 25 87.3 87.9 87.1 87.0 87-0 87-1 87-2 87-4 87.7 88+0 87.9 88-0 87-4 87-R 86.5 AR - 4 86.5 86.0 86.2 86.0 86 - 2 87-1 88-2 86.0 86 - 3 86 - 2 86 - 0 86 - 1 85-8 85.9 85-4 85-2 86 - 0 86 - 0 86 - 7 87.3 87.5 88-2 88-1 87.9 87.5 87.0 85.9 84 - 2 84.9 85-1 85-6 86 - 5 26 86 - 6 86 • 0 86-0 86 - 2 86.3 86 - 7 86 - 9 87-2 87-8 87-9 88-2 88-6 88.8 88 - 7 89-0 88-9 88-1 87-9 87.5 87.0 86 - 9 86.2 86 - 5 86-4 87-3 27 86 - 5 87-0 87-1 87-1 86.5 86 • 4 86 . 2 86-8 87.0 87-0 87.5 88-3 88 - 5 88-6 88-9 88-4 88-4 88-4 88.0 87.5 87-3 86.9 87-0 86 - 2 87-4 87-4 85-9 85-9 85-6 85.5 85-4 85.0 85-0 85-1 85-3 86.1 86-8 87.0 87.4 87-3 87-1 86.9 86.0 84-2 84.0 83-0 82.1 80-6 85-4 83-1 85-6 29 80.8 81.2 82.9 83-0 83.5 84-9 85-4 85.7 86-0 85.7 85-9 86 - 0 86 - 9 87-0 86.9 85.9 85.8 85.2 84 - 2 85.0 84.7 84.2 30 85.4 85.0 84 • 4 83-2 82-8 83.8 84.3 83 • 4 84 - 7 85.0 85-1 85-4 83.8 85-2 85-8 85-0 85-6 86-0 85-9 85-9 85.0 85.6 84 • 4 85.0 86.3 86 • 3 Mean 86 • 3 86 • 3 86.1 86.0 86 • 0 86 . 5 87-1 87-6 88.0 88.1 88.3 88.3 88-2 88.1 87.8 87.5 87.1 86 - 8 86 • 7 86-6 86.5 86 • 5 87-0

	3	82.2	82-9	82-0	82-4	82-2	82-1	82.0	82-0	82.0	82.3	83.3	84-1	84.9	85∙2	85.2	85.2	85+0	84.4	83.4	84.1	84-1	84-1	84.0	83-8	83-4
	4	83-8	84-0	84 - 4	83-9	84.4	84-5	85-0	85-1	84-8	85-3	84.9	84-2												84-9	
	5	83-9	84-0	83-9	83-4	83.0	83-0	83-0	83-2	84.0	84-4	84 • 4	84-8	84.5	84.7	84-8	84-9	84-0	84.1	83.5	84-4	84.3	84.4	84-2	84-7	84-1
	-																			i	ŀ			Ī		
	6	84.2	83-7	84.2	84-0	83.3	83-1	83.0	82-6	83-5	83-9	84-1	83-4	83-3	84.2	85-0	84-9	84.3	84.0	84-0	83-1	83-1	82-4	82-9	82-9	83-7
	7	82.0	81.7	80-0	78-5	78-8	78-2	78-0	78-9	81.9	82-9	84-0	84-4	85.0	85.2	85.2	85-2	85-3	84.9	85-0	85-2	84-9	84.2	84-5	84 • 6	82-8
1	8	84-2	82-4	82.5	83-4	83-6	83-5	82-9	83-7	83-6	83.3	84-2	85-1	85-0	83-8	84-5	84.7	84.3	83-9	83 - 7	82-6	83-0	82.3	82-4	83-3	83-6
1	9												85.2		85-1	84-8	84.7	85-0	87-0	87-0	85-0	84-4	83-4	83-5	83.3	84-3
	10												85-2												82-2	
																				-	l		-	İ		1
1	11	81.8	83-1	83-0	82.0	82.7	83.0	82-9	82-6	83-7	84-0	84+3	84.9	85-0	84-9	85-0	84-3	84-2	83-9	84-0	83-9	84-0	83.5	83-9	83-8	83-7
1	12												85-9												84-9	
	13												85-8												84-9	
	14												86-0												84-6	
	15												87-4												86 - 9	
-							00 "	•••	•• •	"" "									-, -			-				
	16	86 - 4	86-0	86 • 0	85-9	85-6	85+4	85-1	84-9	84-9	84-6	85-2	85-4	85-6	85-6	85.7	85-6	85-2	84-8	83-5	82-7	82-4	81.9	81.0	82.5	84-8
	17												86 - 7												86 - 0	
	18												86 • 3												85-0	
1	19												83.7												81.2	
- 1	20												82.0												80-5	
	~	1 02.0	01-2		00.0	13.0	33.0	00-7	13-4	00-4	00.0	01.1	0~10	01.4	02-7	01.0	J	02.0	00.0	55 6		ا * `` ا			ا ت ا	

83-4

85.8

85.0

84.4

85-9

86 • 5

86 • 4

84.8

85.7

81.4

85.0

 $h_t = 1.3 \text{ metres}$

٥A

81.6

84.5

84 • 4

84.0

85-4

86 - 4

86.0

85-0

85-0

81.3

84.3

10

82.5

85.2

84.8

84.2

85.2

86 • 6

86 - 2

84.8

85-4

81-6

84 - 7

11

٥A

٥A

85.0 85.3 85.4 85.9 85.2 86.5 85.7 86.0 85.8 85.6 85.4 84.7

Noon

368. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres

NOVEMBER, 1935

Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
Day	οA	OA	OA	οA	o _A	OA	οA	Αo	Αo	OA	οA	οA	οA	οA	οA	Αo	OA	OA	οA	οA	οA	οA	OA.	Αo	Γ
1	80.0	80.1	80-0	79•9	79-5	79.8	78 - 7	78-9	79-6	80•9	80.8	81.8	81.9	82•3	81.2	81.6	80•4	81.4	81.9	81.2	81.2	81.3	81.5	82.2	1
2	82.5	83.0	83 • 4	81-8	82.2	82.2	82.0	82-5	81.5	82.5	81.9	82.4	83•2	83.1	83.0	83-0	82.9	82.6	83.0	83•6	83-8	84.5	85•0	85 • 1	ļ
3	85 • 4	85 • 5	85 • 9	86.0	86 • 5	85.9	85 • 5	84.0	84-1	84 • 7	85.0	85.1	85 • 0	85•0	84.3	84.3	83.5	83•9	83-8	84.0	84.2	84-2	84.2	83.2	ı
4	82.6	83.0	83-0	83-1	83.2	83-2	83-0	83.2	83-2	84.0	84.0	83-9	83-9	84.0	84.3	84.1	83.8	83.2	83-4	83.2	83-0	83-0	82.3	82-1	1
5	82.1	82-1	82•3	83•5	83•4	83.1	83•4	82-4	82-1	82•5	82.2	82.2	82•9	82-8	82-9	81•4	81.4	81.0	80•0	80•6	80•8	80•0	80•6	80•3	l
6	80-8	79•2	81.0	80•2	79•6	80•3	80-9	81.1	81.2	82.0	82-9	82•9	82.5	82-6	81.8	82.2	81.6	81-0	80 • 5	80-4	79-7	79•8	79•9	80-0	1
7	79 • 4	79•0	79 • 2	79-3	80-0	80-4	80.1	79-6	80-0	80-2	80.5	81.3	82.4	82.5	82.3	80-7	80 • 7	80-7	80•9	80.7	80-5	80•9	80-6	79•9	1
8	78 • 5	80-0	80.2	80.2	79-9	79-0	79•0	78 • 5	78-9	79-5	81.0	81.0	81.9	82-1	82-0	82.0	82.0	81.4	81.7	80-4	81.8	81.6	81.3	81-8	1
9	81.5	81.3	81.5	80-9	79-9	79-6	79 - 9	80.4	80-0	79-8	80.1	80.3	81.0	81.0	81.5	81.7	81.9	81.4	81.2	82.0	82.1	81.9	81.3	81.5	ı
10	82•0	81.1	82-0	82•3	82-0	82.3	81.7	82•3	82•3	(82•6)	83.1	83•4	83•8	83•6	83•4	83•2	82•9	83.0	83-0	83.0	82-4	82•3	81.5	80•4	l
11	79-3	78-1	78-1	77-9	78 - 5	80-7	81.7	82-0	82-0	82-2	82-4	82•7	82.9	83-0	81-1	80-6	80.2	80•0	80-5	80-0	79-6	80-0	78-8	80-2	l
12	79-1	80-1	79-9	80-0	80-0	80-0	78 - 2	77-0	78-0	77-0	78•0	79•3	80•5	80-0	80-0	79.5	78 • 9	78•3	79-0	79-0	78 - 2	78-3	78 - 9	78 - 5	ı
13	78 - 7	79-5	79-8	80-3	80-7	81.0	81.0	81.0	81.0	81-5	82.2	82-6	81.•3	82 · C	82-1	82.0	81.4	81.3	81-9	82.0	81-9	82.7	82-9	83-1	1
14	83-2	81-0	81.2	81.9		81.2	80-0	80-9	79-3	79-5	80-2	80.9	80.6	81.7	81-0	80-8	79-6	79-2	79•3	79-8	79-9	79-1	79-0	78 - 5	ı
15	78•4	78•0	78•1	78-0		77•8	78•3	77•8	78-8	78 - 7	80-4	81•3	80.1	79-9	80-0	80•0	79•1	79-6	78 - 7	78-3	78•1	77-5	78-8	78•8	l
16	78-2	78-3	78-0	78-1	78•3	77-2	77-4	77•5	77-9	77-4	78-1	78•8	79-0	79-9	80-1	79-0	78-7	77-2	76-6	76-0	75-6	75-8	74-3	75 • 0	Į
17	75-2	75 - 4	75 - 4	76 - 7	76 • 4	79-1	79-9	81-2	81-8	82-0	82.3	81.6	82.0	82.4	82.7	82-3	81.4	81.4	81.6	81.5	81.8	81.3	81.9	81.5	ı
18	82-0	82.1	82-0	82-0	81-4	81.7	81-4	81.3	81-3	81-3	82-3	82-6	82-4	82.0	81-9	81-4	80-6	80-6	81.2	81.0	81-4	81.4	81.6	82.0	1
19	82-2	82-4	82-0	81-8	82-2	82-4	82.9	83-1	83-1	81-4	81.0	81-0	81.6	81-2	81.3	80-4	80-0	79-8	79-1	79-2	78-2	78-1	78 • 7	78 • 4	1
20	78•0	80-0	80.0	80-5		80-9	80-5	80-8		80-5	81.3	81.9	82-3	82-2		81-0	80-0	79-2	79-0	89-2	78•5	78 • 4	79-2	80-2	ı
21	81.2	81-6	81-8	81-9	81-7	81.4	81.2	81.5	81-9	82-1	82-3	82-8	83-4	83-4	83-0	82-7	82-0	82•0	81-6	81-4	81.0	80-3	81-1	81-0	l
22	80-8	80-0	78-6	80-1	80-0	80-4	79 - 7	80•0	81-0	81.3	82.2	83-0	83.0	83.2	83-4	83-3	83.0	82-6	82-0	81.9	81.6	81.8	82-2	82-4	1
23	82.2	82.0	82.0	81-8	81.4	81.4	81.7	81.5	81.8	82-0	82.0	82-4	82-6	82-8	82-2	81.8	81.0	80.5	80.0	80-0	80-1	80.0	80-0	80-0	1
24	80-0	79-5	79-2	77-6	75 - 9	74-8	74 • 4	74.1	74.3	74-6	75 - 5	77-0	79-0	79-6	80-0	79-3	77-3	76 - 3	76 • 0	75-8	76-1	75 - 2	74.4	73-9	ı
25	74.1	74-4	75 • 4	75•8	78 • 0	76 • 5	78 • 4	78-2		79-2	80.7			81.3			81.9	82.0	81.7	81.7	82.0	82.2	82.3	81.8	ı
26	81-8	82-0	82-2	82•4	82-0	82-0	82-0	81.3	81-6	81-8	82-0	82-0	82.0	82-3	82.1	82.0	81.9	82-0	81.4	81.4	81.5	81.3	81.7	81.6	ı
27	81.5	81.9	82-0	81.7	81.3	80-9	81.1		81+1	81.2	81-9	82.1	81.8	82.0	82-0	82-4	83•4	84-0	84.0	84.0	84-1	84.2	84.2	84.3	ı
28	84.3	84.2	84.3	84-4	84-6	84.5	84.4	83.8	83 5	83-4	83-2	83-3	83.0	82.8	83.0		82.7	82.7	82.5	82.5	82.4	82.4	82.0	82.0	1
29	82.0	82.0	81.8	82-4	82-4	82-5	82.5	82-9	82.3	82.3	82-1	82.6	82.0	82.7	82-5	81.4	80.4	81.0	81.4	81.3	82-0	82.0	82-2	81.6	1
30	81.6	80-2	81.1	81.3		81.4	82-0	82.0		81.9	82.6	82.9	83.0	83-4	84.1		83-9		83•4	83.7	83-8	83.5	83•3	83-2	1
Mean	80-6	80-6	80.7	80+8	80•7	80-8	80-8	80-7	80-8	81-0	81.5	91.0	82.1	00.0	82-1	81.7	01.2	81.1	07.00	81.0	80.9	80.8	80•9	80-8	l

369. V	ALENT	IA OB	SERVA	TORY:	Nor	th Wa	11 Sc:	reen:	ht =	1.3	metre	s.										DECE	MBER,	1935	•
Day 1 2 3 4 5	% 82·1 79·9 80·6 79·0 79·8	°A 81·3 79·4 79·6 79·4 79·0	% 81-3 80-0 79-7 79-3 80-0	°A 80-9 80-0 78-7 79-7	°A 81.0 79.4 78.8 79.6 79.1	°A 81.0 79.9 78.0 77.5 79.3	°A 81.2 81.0 78.3 77.0 78.6	°A 81.0 80.3 78.7 79.0 79.1	°A 81•4 80•3 78•7 78•9 79•6	°A 81·4 81·3 78·9 78·6 79·8	°A 80·9 81·4 79·0 80·2 81·0	°A 81·1 81·4 79·0 79·0 81·0	0A 81.4 81.6 79.4 77.9 81.1	°A 81.8 81.9 79.3 79.8 80.4	%A 80.9 81.5 79.0 78.9 80.9	0A 80.5 81.0 79.0 78.0 80.0	0A 81.0 81.0 78.5 78.1 80.1	0A 81.0 81.2 78.4 78.0 79.4	°A 79·1 80·8 79·0 78·0 79·4	°A 80·4 80·8 79·0 78·5 79·1	%A 80.0 81.1 79.0 77.9 79.2	0A 80.9 80.0 78.6 78.3 79.9	°A 79•3 80•3 78•2 78•2 79•9	°A 80 • 2 80 • 6 79 • 7 79 • 7 80 • 4	0A 80.9 80.7 79.0 78.7 79.8
6 7 8 9 10	80·7 80·2 82·4 81·0 74·2	81.7 80.1 82.7 80.9 74.8	82.0 79.5 82.9, 81.6 73.9	81.6 79.4 82.8 81.0 74.2	81.6 79.3 82.7 80.5 74.2	81.5 80.6 82.7 80.0 74.1	81.0 81.1 82.7 80.6 73.0	81.0	80.9 81.9 82.5 80.9 75.0	81.4 81.9 82.7 80.7 77.0	81.5 81.9 83.0 81.1 78.9	81·4 82·3 83·1 82·0 79·7	81.8 82.7 83.0 82.2 80.1	81.9 82.5 83.1 82.1 80.4	82.9 82.9 82.9 80.9 80.1	82-4	81.8 82.0 82.9 79.0 78.0	81.5 82.0 82.8 77.4 77.0	81.6 82.1 82.8 76.5 76.2	81.6 82.2 82.5 76.1 76.0	81.6 82.4 82.5 76.5 75.1	81.7 82.5 82.0 75.9 75.4	81.0 82.4 81.8 75.0 75.9	80.9 82.4 81.8 74.4 75.3	81.4 81.6 82.7 79.7 76.3
11 12 13 14 15	74·2 78·4 78·2 76·7 81·0	74·3 78·3 78·4 76·8 81·0		74.9 78.5 78.5 77.9 81.0		75 · 2 78 · 4 78 · 6 78 · 3 81 · 3	J- 1		74.8 78.1 78.4 79.9 80.1	74.9 78.2 78.1 80.4 80.3	75.8 78.3 78.0 81.2 79.8	76 · 2 78 · 4 78 · 0 81 · 9 79 · 0	76.9 78.9 78.1 82.2 79.1	77·3 79·1 78·2 82·6 79·2	77.5 78.9 78.1 81.7 79.2		77•7 79•0 77•9 81•9 79•5	77.6 78.8 77.8 81.9 80.0	77.8 79.0 77.6 81.3 80.3	78·1 79·0 77·5 81·5 79·5	77.9 78.7 77.1 81.6 79.9	78.0 78.5 77.1 81.4 79.2	78 • 1 78 • 4 77 • 0 81 • 4 79 • 9	78 · 2 78 · 3 76 · 9 81 · 0 80 · 2	76·3 78·5 78·0 80·2 80·1
16 17 18 19 20	80·2 78·1 77·5 80·0 75·8	79•7 78•3 79•0 80•0 74•6	76 • 6	79•4 77•9 79•6 80•2 76•7	79 • 7 78 • 0 79 • 5 79 • 9 76 • 6	80-0 77-0 80-0 79-9 76-8	•		79-9 77-5 79-8 79-0 77-0	80.0 78.7 80.0 78.7 77.0		79·9 80·0 78·2 77·9		80 • 4 80 • 6 78 • 5 78 • 0	80.5 80.0 80.4 78.2 77.8	80·9 77·4 77·2	79.5 77.6 81.0 77.1 77.0	79-0 76-4 81-1 77-1 77-0	78 • 5 75 • 3 81 • 1 76 • 5 75 • 5	78 • 4 75 • 0 81 • 0 76 • 0 74 • 0	78 • 5 75 • 0 80 • 6 75 • 3 74 • 0	78 • 4 75 • 0 80 • 4 76 • 3 74 • 7	79.0 74.9 80.2 76.3 73.7	79.0 74.6 79.9 75.9 75.2	79.6 77.5 80.0 78.3 76.4
21 22 23 24 25	76.0 73.1 77.2 79.0 80.2	75•6 72•9 77•4 79•0 80•4	74.5 72.7 77.7 79.1 80.4	73.5 73.0 77.9 78.9 80.5	76 · 1 74 · 0 77 · 9 79 · 2 81 · 0		75·3 71·9 77·9 80·0 80·7	80•2 80•5	72.6 73.0 77.9 80.5 80.0	73-0 73-0 78-4 80-5 81-0		75.6 75.4 79.7 81.5 82.0	81•4 82•2	77-9 77-8 79-8 82-0 82-0	78 • 0 76 • 4 80 • 0 81 • 4 82 • 1	77•5 80•1 80•9 82•0	1	75-0 75-9 80-4 81-3 82-5	73.0 74.6 80.0 81.0 82.6	72.5 74.5 79.5 80.2 82.8	73 • 2 74 • 9 79 • 2 80 • 7 82 • 7	73 • 2 75 • 2 79 • 4 80 • 0 82 • 9	72.9 75.8 79.1 80.4 82.8	72.5 76.4 79.1 80.4 82.8	74.9 74.5 78.8 80.4 81.5
26 27 28 29 30	82.0 75.0 75.1 80.6	82·3 81·9 75·2 75·0 81·0	82.5 81.8 75.9 75.0 80.9	82-6 81-4 75-4 75-2 81-2	80·9 76·0 76·0 81·4	82·1 80·9 76·9 77·3 81·7	80.8 76.5 77.2 81.9	80 • 7 77 • 0 78 • 3	81.9 80.0 77.0 79.3 81.1	82-1 80-0 77-2 80-0 81-3	82-8 80-5 79-1 80-6 81-7	82.9 80.5 79.5 81.1 82.0	80·1 80·4 81·0 81·6	82.5 80.9 80.0 81.1 82.3	82.3 80.9 79.6 81.5 82.1 80.9	80 • 2 79 • 2 82 • 0 82 • 0	82.0 79.2 78.7 82.1 81.9	82-1 78-7 78-4 82-9 81-9	82.1 78.5 77.1 82.5 82.0 80.4	82.0 78.0 76.3 82.0 82.1	81.9 76.4 75.9 82.0 81.5		81.9 75.9 75.0 81.5 81.5	82.0 75.6 74.8 80.9 81.7	79.8 77.2 79.5 81.6
Mean	78-8	78-8	78-9	78-9		79-0	78-9	79-0		79-3		80.0	1	80-5	80-2		79·7	 	79-1	 	78-8			7 8 •8	79.3
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21.	22	23	24	Mean

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

370 VALENTIA OBSERVATORY: North Wall Screen: $h_t = 1.3$ metres

1935

1	2	3	4	5	6	7	8	9	10	11	Noon	13 .	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	o _A	°A	°A	°A	o _A	°A	°A	°A	∘A	°A	°A	°A	°A	°A	o _A	°A	°A	°A	o _A	°A	°A	°A	°A
82•89	82•78	82•71	82•66	82•60	82∙67	82•97	83•41	83•82	84∙21	84•63	84•91	85•14	<u>85∙23</u>	85•16	85•03	84∙74	84•41	84∙05	83∙73	83•48	83∙28	83•14	83•01	83∙78

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

371 VALENTIA OBSERVATORY: North Wall Screen: $h_t = 1.3$ metres

1935

Month	Mean	Hour 1	G.M.T. 2	- 3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21.	22	23	24
Jan. Feb. Mar.	280-44 280-83 281-63		-0.56	-0.74		-0-40	-0.44	°A -0•37 -0•40 -1•01	-0.38 -0.60 -0.91	-0-43	-0-17	°A +0•06 +0•38 +0•59	+0.79	°A +0·68 +1·05 +1·33	+0.97	+0.90	+0+86	+0.72	+0.31		-0.05		-0-29	-0•35	-0-48
Apr. May June	282 • 45 284 • 74 286 • 44	-1·46 -1·92 -1·29	-1.62 -2.30 -1.43	-1·74 -2·59 -1·50	-1.81 -2.93 -1.53	-1·90 -3·13 -1·55	-2·09 -2·67 -1·21	-1•42 -1•48 -0•66	-0·36 -0·09 -0·03	+0·50 +0·93 +0·36	+0.98 +1.43 +0.83	+1·53 +1·85 +1·17	+1.77 +2.13 +1.24	+1.85 +2.48 +1.42	+1.96 +2.60 +1.56	+1.86 +2.42 +1.57	+1.87 +2.31 +1.63	+1·39 +2·07 +1·32	+1.02 +1.69 +0.83	+0.53 +1.03 +0.50	-0.01 +0.24 +0.08		-0.83	-1.22	-1.56
July Aug. Sept.	288 • 55 288 • 39 287 • 04	-1.10	-1.09	-1.22	-1·89 -1·33 -0·77	-1.47	-1.45	-1.06	-0.37	+0-26	+0.83	+1.13	+1.36	+1.52	+1.70	+1-67	+1.41	+1.25	+0.85	+0•71 +0•38 +0•02	-0.19	-0-56	-0.73	-0-83	-1·39 -0·93 -0·59
Oct. Nov. Dec.	284·23 281·11 279·27	-0-44	-0·49 -0·50 -0·55	-0.36	-0·61 -0·28 -0·44	-0-33	-0-30		-0·56 -0·37 -0·25	-0-28	-0.10	+0.37	+0.76	+0.91 +0.97 +1.00	+1-11	+0.95	+0+62	+0-15	-0-05		-0-19	-0-24	-0•33	-0-31	-0·26 -0·35 -0·47
Year	283-78	-0-89	-1.00	-1.07	-1.12	<u>-1·18</u>	-1•11	-0-81	-0•37	+0+04	+0•43	+0+86	+1 • 14	+1 • 36	+1-45	+1.38	+1 • 25	+0•97	+0+64	+0 - 28	-0•04	-0-29	-0-49	-0-64	-0.76

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY Maximum and minimum for the interval O h. to 24 h., Greenwich Mean Time

372 VALENTIA OBSERVATORY: North Wall Screen: ht = 1.3 metres

107

Month	Ja	n.	Feb	•	Ma.	r.	Ap	r.	Ma	y	Ju	ne	Ju	ly.	Au	g.	Se	pt.	00	et.	No	٧.	D	ec.
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Mex.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
	OA.	°A	οA	O.A.	OA	OA.	OA.	OA	۰A	OA.	A°	OA.	OA:	O.A.	οA	OA.	°A	۰A	OA.	οA	°A	OA.	°A	Ī
1	85.1	84.3	83-5	80-6	83•3	78 • 7	83 • 2	80•8	85 • 9	83.2	89•1	83•7	91.1	82.0	92-8	86 • 4	88•3	84.6	86 • 5	83-8	82•4	78-6	83.2	
2	84-4	82.6	84.0	81.8	83•8	79+0	83+1	79-9	85 • 9	84.3	88•3	83.3	90.1	86 • 6	90 • 2	86 • 4	90•0	85 - 7	86 - 5	81.6	85.1	81.5	82.0	1
3	84.7	82.1	85•0	83.9	82.1	79•0	82.8	77.4	86 • 2	83 • 2	87.5	83•4	90•0	86 • 3	91.0	85 • 8	89-8	85 • 0	85 • 5	81.7	86 • 5	83.0	80-8	ı
4	82.9	80.9	84-7	80+3	83.5	75•3	82•7	79-6	85•8	80.7	87-0	83-2	91.3	87.5	91.6	86 • 4	89-8	85+0	85-8	83-7	84.4	82-1	80-2	1
5	83-0	79•9	83-3	80-1	84•4	78.1	83 • 4	79•6	87-2	81.1	88-4	84-0	90 • 2	87-4	92-2	88 • 7	88-1	85-2	85-4	82-8	83.9	79•6	81-3	
6	81-9	73-4	81.4	76 - 0	83-9	80•7	83•3	79-3	87•4	78•9	89-1	83-6	93-0	86 • 9	93-2	88 • 7	89-9	83-0	85•1	82-4	83.3	79-1	82-1	
7	78.1	72.0	79•1	72.4	84-9	80-1	83.6	79•9	87.1	80.3	88 • 0	82.6	95.0	87.2	93.1	86 • 4	91-6	88•4	85-6	77.9	83.0	79.0	82-9	
8	79-8	73.8	79-2	71.8	83-1	79.1	84.1	79-1	93-0	81.8	88.0	82-9	95·0 94·2	88-4	90-4	87-3	90-8	85-9	85-3	82.0	82-4	78 - 2	83-2	1
9	80.5	73 • 7	79.7	72.1	80-0	75 - 2	86 • 1	82-8	91.5	79.0	88 - 7	83.0	90 • 7	85 • 8	92-1	86 • 0	90-2	85-8	87-1	82-3	82-3	79-4	82.5	1
10	82-1	80-1	81.2	78•6	77-4	74.9	86 - 1	81.6	89-8	80-2	85•9	84.0	91.0	84.8	91.9	88 • 5	90•6	88-1	85•8	82-2	83-8	79-5	80•6	
11	83-0	78-0	83.1	80-9	81.0	75•0	85-0	80-0	92.0	81.0	87-9	83-1	91.5	82.0	91-4	89•3	91•0	87•5	85•1	81.9	83-1	77•8	78-3	
12	83-2	78.9	83-4	80.4	81.8	78 • 0	85 • 3	78•3	92.0	80.0	87-6	82.0	91.7	81.7 86.9	89-4	85 • 4	90 • 7	87.0	86 • 5	82-2	80•5	76 • 9	79-2	l
13	84.3	83.0	84.8	82.1	82.3	78 • 5	85 • 5	78•3	87.6	81.4	87-8	82.3	91-5	86 • 9	89-4	85 - 8	90-7	86 • 5	87-1	83.9	83.1	78 • 4	78 • 7	1
14	83-1	80.9	82.2	80-9	82-2	78 • 5	84.8	79-9	86 • 4	77-4	88-6	81.1	91.1	86 • 2	91-0	84.5	90.0	86.8	86-1	84.3	83-2	78.5	82-6	l
15	83.0	81.0	85•2	81.4	83.5	79•9	85•0	79•8	85•5	75-4	88•3	83.3	90-9	82.5	91.9	87-3	89-1	85•0	87•5	84•4	81.3	77•4	81-4	
16	83-0	81.5	85•4	81.3	84.1	80•5	83 • 7	78 • 0	83-2	79•Q	88•4	85+0	89-4	87-1	91.7	89-1	87-3	83-6	86 • 9	81.0	80-2	74.3	80-7	
17	82.4	81.1	84.7	81.6	83•4	81.1	84.0	79.1	82.8	79.5	88 - 2	83-4	90.1	86 • 2	91.6	88 • 8	88-4	84.9	87.1	82-2	82-8	74.9	80.1	İ
18	81-9	77-4	85•0	82.8	84.5	82-0	86 • 2	80.8	84.1	78•0	.90•9	86 • 5	89•5	86 • 0	91-0	87-4	89•3	85.0	87.6	84.1	82-6	80-2	80-2	ı
19	79.9	76 - 1	84•4	81.4	84.5	81.9	85•4	80 • 2	86 • 2	82.1	88•3	86 • 5	90+3	85 • 4	91.4	88 • 0	89-2	86 • 2	85 • 2	80-9	83.2	78-0	80-3	ı
20	79•1	77-9	84.5	80•4	84.7	80+9	86-1	79•8	84-1	82.0	90•3	86 • 8	89•6	85•9	92-0	89-1	88•6	83-3	82•5	79•0	82•4	78•0	78-3	1
21	77-9	73-7	81.9	77.9	84•3	81.9	84.5	79•8	88•4	81.5	90-8	86 • 6	90•0	86 • 0	90-9	85-9	88-7	83-3	84•0	80•4	83•5	80-2	78-1	
22	80.0	74.0	80•9	76 • 7	84•4	80-4	83 • 8	81.2	88.3	79.4	89.5	85.1	93 • 3	87•9	89-8	85-0	86 • 5	82-8	85-8	81.0	82-5	78 • 4	77-7	ı
23	82.7	78-2	80•6	74.8	85.4	82•1	83-4	80-2	88 • 3	81.6	90•5	82.1	91.0	87-4	89•3	82-6	87-4	81-1	85•6	82-4	82-9	79.•7	80-4	1
24	83.8	81.0	81.0	77-2	85 • 2	83.2	84•8	77-8	89•5	80-9	88•9	83 • 2	91•0	85•5	89 - 5	86 • 8	88•4	85•9	84-9	80-8	80.2	73•9	82-0	ĺ
25	83•5	79-0	78•3	74-3	84•7	83•3	87•1	77:0	91.5	83•2	<u>92•1</u>	86 • 2	90•5	84.1	89-1	86 • 1	88 • 2	84•1	85•1	82-4	82-4	<u>73·8</u>	82•9	
26	81-4	78-8	82-2	72-7	83-7	81.3	88•3	78 • 2	91•3	81.3	88•1	85•9	90•2	86 • 4	90•0	84•0	89•2	86+0	86+9	85•0	82•5	81-0	82•9	
27	79-7	76 • 6	82-4	78-0	85.1	78 • 2	89·8 87·6	78•6	90+9	79•0	90•3	85•4	90•2	88 • 8	87-9	82•8	89•0	86-1	86 • 9	85-8	84.3	80.8	82.0	1
28	80-6	76•0	80.9	76-8	83.8	78∙2	87-6	79•5	90•1	81.7	90.9	87-0	90 • 7	87.8	88-2	82.5	87•8	80•6	86 • 9	85.9	84.7	81.8	80 • 4	
29	81.8	78-1	-	-	84.5	77•5	87-9	78-2	88 • 6	80-8	91.0	85-0	91.1	85 • 0	88 • 0	82.0	87-1	80-4	87-1	82-1	83-0	80.3	83.0	
30	83-2	(78•8)	-	-	83.0	80•0	85•7	83•4	89•0	81.5	89•2	83-4	91-7	82•5	89•3	82•7	86.1	82.7	86-1	81.8	84-1	79-9	82•3	
31	81.7	79•4	-	-	85-3	80-9	-	-	90•2	85•1	-	-	93•3	84-0	89•9	81-1	-	- 1	82-9	79-4	-	-	83•0	
idean	82.0	78+5	82-6	78-5	83-5	79-5	85-1																	H

NOTE:- The initial 2 or 3 of the readings is omitted, i.e., $275 \cdot 0$ degrees absolute is printed $75 \cdot 0$. \dagger see page 23.

373. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres

JANUARY, 1935.

						_																				
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	. 11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day 1 2 3 4 5	91 98 95 92 73	91 97 96 92 73	91 94 95 87 73	90 95 96 88 77	90 95 95 95 88 75	90 96 96 96 87 82	91 96 96 84 86	90 96 94 77 90	90 95 95 73 91	91 96 95 71 96	90 94 95 70 86	90 94 94 69	90 97 90 67 82	91 93 93 67 87	90 94 86 68 87	90 94 85 68 80	% 93 96 89 67 76	94 95 92 67 74	94 95 94 70 77	94 95 97 69 70	93 95 90 89 67	96 94 91 72 67	% 94 94 89 72 72	96 95 91 71 78	91.6 95.1 93.0 75. 6 78.9	mb. 12.3 12.1 11.7 8.6 8.8
6 7 8 9	81 88 81 93 77	79 89 79 91 81	84 89 81 93 85	81 88 75 93 85	80 88 70 98 85	81 89 78 94 86	76 85 82 96 83	83 85 74 94 83	82 83 78 91 84	72 82 75 93 85	65 84 79 90 83	65 80 86 89 83	61 77 91 88 79	62 73 93 85 78	65 76 88 84 78	58 72 84 82 81	72 80 90 81 82	70 80 93 81 81	79 80 90 84 79	84 82 91 83 77	82 85 91 82 77	81 78 89 79 84	78 82 90 77 92	89 82 92 83 81	75 • 2 82 • 5 84 • 0 87 • 9 82 • 1	6•7 5•9 7•1 7•5 9•0
11 12 13 14 15	80 70 93 87 94	76 68 92 89 94	83 71 90 94 87	80 78 93 94 86	80 76 95 95 84	76 64 94 95 83	83 70 94 96 81	87 73 93 95 83	81 79 94 95 80	86 72 94 96 78	72 82 89 94 80	74 91 88 94 75	65 94 87 91 76	73 94 91 84 75	73 93 92 92 80	73 88 90 91 80	64 83 83 9 2 82	62 86 80 95 83	71 87 82 92 81	74 87 82 93 81	69 87 77 92 7 6	68 89 92 92 78	72 92 85 92 80	71 95 89 90 80	74.9 81.5 89.3 92.5 81.7	8.0 8.9 11.4 10.8 9.3
16 17 18 19 20	78 76 70 78 82	81 73 70 79 78	87 73 70 85 79	89 73 67 84 79	91 71 72 87 78	87 73 75 80 83	86 73 75 81 78	87 70 81 73 78	87 73 82 72 76	87 73 75 71 78	87 73 84 75 75	86 70 72 72 76	82 72 68 73 73	86 72 68 76 72	86 71 67 73 75	86 72 72 74 78	86 73 70 74 77	83 74 70 74 77	72 72 71 84 77	84 73 76 84 78	84 73 74 84 78	76 77 70 78 76	71 71 74 82 80	71 68 80 79 78	83·5 72·5 72·8 78·0 77·5	9·7 8·2 7·2 7·3 7·0
21 22 23 24 25	79 91 82 7 6 88	79 91 80 82 85	79 84 80 82 80	77 89 82 86 70	80 86 82 78 84	82 90 85 77 81	77 85 82 80 81	80 85 83 81 66	78 88 86 81 74	81 92 86 84 70	83 87 85 79 72	81 87 85 82 69	83 87 83 84 63	82 80 74 86 62	78 81 75 86 74	78 81 76 86 59	75 78 81 86 72	73 79 69 86 64	75 76 67 85 64	80 76 73 84 60	82 70 77 85 63	84 70 80 91 64	91 74 84 94 82	90 79 78 90 71	80 • 0 83 • 0 79 • 8 83 • 5 72 • 0	6•3 7•1 8•2 10•0 8•0
26 27 28 29 30	72 55 81 94 91	79 55 81 93 93	71 55 81 94 94 79	74 51 82 94 93	78 54 83 94 94	75 50 83 94 96 81	70 63 83 93 98	72 68 83 91 98	74 71 80 86 96	51 71 82 81 99	47 66 80 85 98	72 60 81 89 96	58 63 76 87 95	44 62 76 86 96	50 62 79 78 94 71	53 59 82 86 94	53 62 87 88 95	51 68 88 90 95	49 74 88 91 95	52 73 88 94 93 82	49 73 90 91 76 85	50 77 91 93 67	51 78 91 91 73	53 80 91 90 78 86	60 • 7 64 • 0 83 • 4 89 • 7 91 • 8 79 • 1	6.2 5.3 7.5 9.1 10.1 8.2
Mean (82•3	82-3	82-9	82.7	83.5	83•3	83 • 5	82.9	63-2	81-8	80.6	80•5	79-3	78•3	78 • 9	78•5	79-7	79-2	80-0	80.9	79•5	80•0	81.6	82-1	81-2	†8•5
Vapour Pressure*	mb. 8•3	mb. 8•4	mb. 8•3	mb. 8•3	mb. 8-4	mb. 8•4	mb. 8•4	mb. 8•4	mb. 8•3	mb. 8•3	mb. 8·4	mb. 8•5	mb. 8-6	mb. 8•5	mb. <u>8-6</u>	mb. 8•5	mb. 8•5	mb. 8•4	mb. 8•3	mb. 8•4	mb. 8•2	mb. 8•2	mb. 8•3	mb. 8•2	mb.	

374.	Valen'	TIA O	BSER V .	ATORY	: No	rth W	all S	creen	: ht	= 1•3	metr	es.												FEBR	JARY, 19	935
Day 1 2 3 4	% 79 92 90 81 70	% 78 93 90 83 76	% 70 93 89 89 75	% 74 92 89 89 78	% 81 93 90 90 75	% 84 93 90 92 79	% 77 94 89 94 71	% 88 94 85 94 75	% 86 95 85 95 78	% 86 95 81 96 78	% 91 94 87 92 75	% 91 84 89 91 82	% 89 84 89 91 70	. % 92 81 88 80 78	% 92 83 88 86 86	% 92 84 85 87 88	% 94 87 84 89 87	95 87 86 88 78	% 91 86 81 89 77	% 91 83 81 85 76	% 93 87 85 88 76	% 93 92 85 78 77	93 93 85 75 68	% 95 95 84 73 74	% 87·1 89·7 86·7 87·5 76·9	mb. 10·3 11·3 11·8 10·5 8·7
6 7 8 9	72 77 84 85 78	60 79 84 84 78	63 83 86 85 79	60 82 84 83 81	60 87 86 79 79	64 87 83 86 78	69 86 83 84 79	71 86 81 85 79	65 82 84 83 78	67 79 82 85 74	60 75 84 80 73	58 55 75 76 74	63 62 76 72 73	61 57 69 71 73	63 62 57 71 77	60 65 63 74 76	65 61 70 81 75	65 69 75 80 76	66 68 75 84 76	70 75 82 88 78	69 74 84 88 78	71 79 84 82 76	73 82 84 80 76	73 87 82 76 75	65•4 74•7 79•1 81•0 76•6	6•7 5•6 <u>5•5</u> 6•1 7•8
11 12 13 14 15	78 91 92 84 87	75 88 89 89 87	78 88 93 81 89	78 84 94 78 97	77 87 95 81 94	76 86 97 77 94	73 83 96 68 94	84 89 95 67 95	91 89 95 67 95	91 93 97 76 93	84 83 95 72 94	82 80 95 63 90	82 90 72 91	76 78 87 72 91	77 79 87 74 94	76 78 85 76 93	80 80 79 73 91	87 86 79 80 93	88 88 82 79 90	89 91 81 82 90	87 92 84 86 89	87 95 84 86 89	87 96 87 86 90	87 92 86 88 90	81.8 86.5 89.5 77.3 91.6	9•5 10•2 11•4 8•9 12•2
16 17 18 19 20	86 72 81 84 93	87 75 87 87 90	86 75 89 89	85 75 94 90 91	87 72 92 89 91	88 81 94 91 89	88 78 94 88 85	89 75 91 88 83	90 75 88 88 88	89 76 90 76 77	89 75 90 76 76	83 75 89 72 75	73 74 89 73 80	70 75 89 72 79	72 79 95 79 84	71 76 94 83 87	74 77 90 84 79	69 80 88 84 73	70 82 86 83 80	57 79 86 83 77	71 86 85 86 73	73 82 82 87 71	72 76 85 88 62	76 80 82 92 64	78 • 8 77 • 0 88 • 7 83 • 6 81 • 1	10•3 9•4 11•8 10•1 9•9
21 22 23 24 25	74 71 65 79 82	73 65 69 77 84	77 66 82 78 84	75 60 74 82 77	68 72 79 82 83	62 73 84 79 80	65 69 75 83 75	75 78 80 82 76	63 75 82 76 72	77 60 80 77 71	71 70 82 72 61	83 71 72 71 56	68 71 67 73 55	72 86 68 78 52	77 75 73 80 47	84 73 76 85 51	85 83 71 86 51	84 79 73 88 50	80 80 80 88 58	75 79 76 78 51	78 .7 77 63 77 57	83 76 71 77 66	76 60 80 77 64	75 68 79 80 67	74 • 8 72 • 5 75 • 0 79 • 4 65 • 7	7.5 6.6 6.4 7.5 5.5
26 27 28	68 79 76	77 82 79	71 84 74	67 77 74	62 78 70	63 84 74	59 87 7 8	60 88 75	66 86 72	72 82 87	77 86 84	74 81 77	73 72 64	80 65 68	83 70 72	86 73 63	88 68 61	89 83 72	88 73 72	79 86 75	87 80 81	87 80 78	84 85 68	86 75 64	75 • 7 79 • 6 73 • 5	6•7 8•1 7•1
Mean	80•4	80-9	81.7	80•9	82-1	82-4	80•9	82•4	81.5	81.7	80•3	77•3	75-6	<u>75•3</u>	77-2	78•0	78•3	79•9	80•0	79-4	80•9	80•0	79•7	80•2	79-9	†8•7
Yapour Pressure*	mb. 8•3	mb. 8•3	mb. 8•2	mb. 8•3	mb. 8•4	mb. 8•5	mb.	mb. 8•4	mb. 8•4	mb. 8•6	mb. . 8•7	mb. 8•7	mb. 8•6	mb. 8•5	mb. 8•7	mb. <u>8•3</u>	mb. 8•8	mb. 8•6	mb. 8•5	mb. 8•4	mb. 8•4	mb. 8•3	mb. 8•3	mb. 8•2	mb. \$•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	

375. VALENTIA OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above ground) = 1.3 metres

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<i>)</i> ///• •									t (
Hour G. M. T	1	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 2 3 4	% 65 68 91 85 88	% 69 70 81 84 90	% 75 65 78 87 91	% 74 69 70 85 91	% 76 63 74 91 90	% 86 72 70 88 94	% 87 72 69 88 94	% 87 76 67 87	% 83 70 70 90 94	% 83 74 71 83 90	% 86 71 72 86 88	% 84 69 71 76 83	% 79 72 65 74 83	% 75 69 57 78 84	% 76 66 56 73 85	\$ 69 72 60 78 85	% 70 73 65 75 85	% 70 78 71 76 85	% 73 79 77 81 86	% 66 78 72 80 87	% 69 77 82 83 89	% 69 83 77 74 87	% 69 86 77 90 88	% 64 88 82 90 87	75·2 72·8 72·0 82·3 88·3	mb. 8.0 8.1 7.7 8.3 9.9
6 7 8 9 10	87 72 62 61 62	88 72 63 56 61	91 71 67 62 62	89 69 63 57 65	92 60 66 64 64	89 55 68 62 62	88 60 64 54 64	89 60 67 56 59	88 74 64 52 60	79 73 61 51 62	73 74 59 51 63	68 70 57 46 57	69 69 55 51 62	67 67 56 49 56	68 73 61 45 57	68 71 58 46 59	70 65 61 47 58	71 64 59 50 53	73 65 61 51 58	72 67 61 57 68	73 70 63 51 66	76 72 68 57 65	75 68 66 58 63	74 67 62 61 66	78·5 68·0 62·3 54·0 61·2	9·1 8·0 7·0 <u>4·7</u> 4·7
11 12 13 14 15	64 68 69 75 71	68 69 69 76 67	66 67 72 74 72	68 69 70 76 77	66 68 70 69 73	64 70 73 70 72	61 67 73 69 71	62 69 71 72 71	64 69 68 68 72	62 69 67 65 71	60 68 67 61 69	57 71 65 60 70	56 67 65 60 70	55 64 63 58 76	57 64 61 60 74	55 64 60 59 80	56 64 65 60 76	57 67 66 65 79	57 70 65 64 77	57 67 65 65 73	64 67 71 61 78	69 67 73 66 73	68 67 74 69 77	68 69 75 70 73	61.7 67.5 68.1 66.4 73.4	5·3 6·8 7·2 6·8 8·3
16 17 18 19 20	78 69 92 79 92	83 73 92 76 91	84 69 96 82 93	86 66 95 86 92	84 64 96 85\ 94	84 67 95 84 92	84 69 94 83 91	86 66 94 83 92	82 65 94 82 88	87 68 94 83 84	84 71 94 81 83	79 70 94 84 82	81 70 97 83 79	85 66 95 83 80	93 66 92 85 83	84 68 85 86 83	81 64 84 89 87	83 70 85 89 89	81 74 87 90 89	85 71 87 87 91	70 74 85 90 92	65 87 81 91 95	67 92 79 91 92	66 91 77 93 94	81·1 70·7 90·5 84·9 88·6	9·4 8·2 11·6 11·0
21 22 23 24 25	95 87 74 83 87	94 87 78 82 85	92 87 84 89 80	96 79 88 89 84	96 83 87 87 87	89 83 85 89 84	87 83 87 .92 87	88 71 85 96 87	88 82 85 95 87	91 87 92 95 87	91 76 88 94 86	94 71 89 93 86	93 63 90 93 88	94 67 87 93 88	94 74 88 91 89	92 80 89 95 88	89 79 88 88 89	92 74 86 87 90	89 75 84 87 92	93 70 85 89 90	91 73 86 89 94	84 68 83 89 94	89 69 83 85 94	88 67 84 86 94	91·3 76·9 85·3 89·8 88·0	11·4 9·2 11·4 12·1 11·4
26 27 28 29 30	94 93 93 93 83	95 89 93 92 83	94 90 93 91 83	94 91 93 94 81	94 93 94 94 82	94 94 90 90 83	94 93 90 91 83	92 96 93 90 83	92 93 88 83 78	89 94 85 76 78	92 89 86 74 80	89 88 81 73 74	88 81 76 74 75	87 81 74 69 76	86 84 75 74 74	84 76 81 73 76	87 79 82 76 76	87 83 84 76 76	88 84 84 79 76	89 88 90 80 81	89 89 86 82 82	89 90 86 78 84	89 90 85 81 85	91 94 87 86 85	90·4 88·4 86·4 82·1 79·9	10.9 9.8 9.3 9.1 9.1
31	85	84	84	84	83	81	83	80	81	77	78	81	80	82	89	92	93	93	95	95	97	95	96	94	86 • 6	10-8
Mean	79-5	79•3	80•3	80•3	8 •3	8 •0	79-7	79•7	79-0	78•3	77•3	75•2	74.5	73-6	74.6	74-7	74-9	76•0	77.1	77•6	78 • 5	78•5	79-4	79-8	77-8	† 8•9
Vapour Pressure*	mb. 8•5	mb. 8•5	mb. 8•6	mb. 8•5	mb. 8•4	mb. 8•4	mb. 8·3	mb. 8•4	mb. 8•6	mb. 8.9	mb. 9.0	mb. 9•1	mb. 9·1	mb. 9·1	mb. 9-2	mb. 9•1	mb. 8-9	mb. 8-8	mb. 8-7	mb. 8•7	mb. 8•8	mb. 8•7	mb. 8•6	mb. 8-6	mb. ‡8·7	

376. v.	alent	IA OB	SERVA	TORY:	Nor	th Wa	ll Sc	reen	h _t =	1•3 m	etres	•						· .						A	PRIL,	1935.
Day 1 2 3 4 5	% 95 69 84 73 66	93 69 84 82 62	95 73 84 82 64	% 89 72 79 81 68	% 88 73 75 78 82	% 86 72 78 82 90	% 87 73 78 85 93	% 82 67 75 82 89	% 78 65 71 78 89	% 66 61 64 86 86	\$61 56 66 84 80	63 54 64 87 79	% 62 54 62 80 73	62 53 65 71 77	% 62 52 70 80 73	% 63 55 66 83 67	% 64 60 66 87 65	% 61 59 70 74 75	% 60 62 71 73 77	\$ 60 62 73 77 76	% 58 65 76 70 73	% 61 67 74 70 74	% 63 64 76 67 78	% 66 72 75 70 81	% 72-5 63-6 72-7 78-5 76-3	mb. 8·3 7·0 7·5 8·5 8·2
6	84	84	83	87	87	86	87	85	76	71	73	83	84	79	80	82	91	80	74	73	73	70	70	72	79·9	8·9
7	69	72	73	74	74	79	85	86	88	78	75	72	72	72	73	68	71	74	73	76	74	80	82	83	75·7	8·7
8	79	85	91	87	78	80	73	74	76	74	67	68	70	68	74	81	82	78	78	80	91	84	81	74	78·2	9·0
9	76	80	72	74	75	75	84	75	77	73	74	77	86	77	88	89	92	93	93	95	93	93	89	81	82·4	11·0
10	78	76	78	75	80	83	81	75	76	73	74	68	67	66	62	65	75	79	84	87	83	75	77	75	75·6	9·8
11	72	66	65	65	67	65	72	70	60	70	65	71	60	65	58	57	49	58	69	71	66	70	69	69	65.5	7·8
12	64	62	66	69	74	70	58	59	56	55	43	46	41	42	62	56	51	57	58	65	67	73	85	90	60.8	6·9
13	90	88	88	90	90	86	85	81	74	74	74	77	62	63	73	62	66	70	74	79	83	81	83	83	78.3	8·8
14	83	86	86	86	88	78	76	74	78	73	72	80	75	77	73	76	78	76	77	82	80	80	82	74	78.9	9·4
15	77	75	79	86	83	85	86	85	80	73	69	73	66	71	67	64	71	71	83	78	86	75	72	67	76.1	8·8
16	74	75	75	73	76	92	84	73	74	72	81	79	79	83	78	74	82	73	75	74	79	77	67	76	76.7	8·1
17	82	75	75	69	76	74	77	65	72	80	71	79	75	71	62	64	67	70	73	70	73	74	76	83	72.9	8·5
18	80	80	87	89	89	89	91	93	89	86	83	83	83	81	82	85	85	90	89	92	89	92	93	93	87.0	10·8
19	89	88	89	87	88	91	91	87	68	65	70	64	72	74	76	72	68	75	82	84	80	78	84	89	79.7	9·8
20	88	92	92	88	89	90	93	87	73	76	81	79	77	76	75	68	68	73	71	79	86	84	82	88	81.5	10·2
21	88	89	89	89	86	83	86	84	84	72	72	82	75	71	75	75	84	79	82	82	83	87	86	87	82·1	9·7
22	88	88	87	87	84	86	83	83	86	80	82	78	83	86	83	86	83	82	86	83	82	82	79	80	83·8	9·9
23	83	78	78	78	74	74	73	69	66	63	61	60	61	60	56	59	61	60	66	67	71	71	64	69	67·8	7·8
24	76	71	66	74	82	79	74	68	63	61	62	62	65	64	62	61	64	60	64	71	80	85	83	88	69·8	7·8
25	90	89	89	85	86	92	93	80	75	76	70	65	64	64	67	69	75	73	83	74	81	83	86	86	79·0	9·5
26	85	88	88	90	74	82	82	76	68	66	65	64	75	76	78	76	78	75	79	83	87	86	90	90	79·1	10·0
27	91	94	94	94	96	91	87	81	55	51	50	54	58	58	60	65	66	67	73	78	81	84	87	87	75·1	10·1
28	91	87	94	87	91	93	93	92	85	79	82	81	79	81	84	80	81	83	89	90	91	91	92	92	86·9	11·1
29	94	93	94	91	94	91	93	95	86	81	77	82	75	76	77	76	76	80	83	83	83	85	86	83	84·9	10·9
30	87	85	87	87	88	87	83	80	76	77	76	75	88	93	86	86	85	85	85	86	89	87	90	84	84·6	11·4
Mean	81.5	81.2	82•1	81.7	82•2	8 3 •0	82-9	79•1	74.7	72-1	7 <u>0.5</u>	71.6	70-8	70•7	71•6	71•0	73•0	73-3	76•2	77•7	79-1	79-1	79-4	80•2	76-9	†9 -1
Vapour	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	яb.	mb.	mb.	mb.	
Pressure*	8•7	8•6	8·6	8·5	8•5	<u>8•5</u>	8•9	9•1	9·1	9·1	9•3	9·5	9•5	9·5	9⋅6	9·5	9·4	9·3	9•4	9•2	9·1	9•0	8·9	8.8	‡9·1	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	n	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

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														,	,	,	·		,	,				,		
Hour G. M. T.	1	2	3	4	5.	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure ^M
Day 1 2 3 4 5	\$ 91 95 83 76 92	% 86 90 84 74 92	% 90 90 86 70 94	% 87 91 91 83 94	% 85 91 93 82 96	85 93 85 88 95	% 81 91 85 89 94	% 84 95 87 74 86	87 93 85 67 81	% 89 93 82 68 82	% 86 92 83 64 79	\$88 91 80 66 78	% 89 95 71 61 78	91 91 69 66 76	94 97 79 75 81	93 95 76 83 80	94 95 75 85 78	94 91 75 87 81	93 91 79 87 87	91 90 81 90 88	91 89 74 92 88	93 85 72 93 89	94 83 79 94 93	% 94 84 81 93 92	% 89·4 91·5 80·7 79·2 86·4	mb. 12.4 12.8 11.2 10.2 11.6
6	89	91	94	94	94	99	98	93	86	91	90	95	90	90	88	88	88	85	87	88	82	89	89	89	90·4	11.8
7	93	90	90	94	92	92	95	93	88	81	78	78	83	87	86	88	86	90	90	91	94	93	92	93	89·0	11.9
8	95	92	92	93	91	95	93	86	80	75	77	72	56	54	70	71	74	76	85	88	88	88	87	91	82·1	12.7
9	89	88	94	91	96	93	98	97	89	77	56	54	53	55	60	67	76	76	66	66	68	71	65	69	76·0	10.9
10	71	76	74	77	78	79	74	70	47	62	61	47	47	47	46	44	39	41	45	56	58	59	58	56	59·1	8.5
11	58	61	70	78	78	78	77	70	57	51	51	58	49	54	57	64	69	69	70	77	80	82	84	86	67·2	10-4
12	86	88	89	91	91	86	83	70	62	53	49	51	71	74	78	78	73	76	77	81	82	66	73	70	75·3	11-7
13	65	64	68	66	59	60	62	58	68	63	58	56	59	61	61	70	67	68	74	72	74	76	75	74	65·7	9-0
14	80	86	79	81	71	70	70	69	74	75	65	60	55	45	41	45	39	40	45	66	73	79	84	85	65·5	8-3
15	85	88	88	89	89	90	88	82	63	61	64	64	62	83	81	82	79	64	64	67	62	65	64	66	75·0	8-4
16	62	65	65	61	68	67	59	59	58	57	50	49	49	45	50	50	57	60	68	72	79	84	71	75	61·5	6.5
17	81	88	90	90	89	80	84	65	64	48	47	45	46	44	45	48	44	49	52	47	40	40	42	45	59·5	6.5
18	44	51	49	56	61	56	66	61	58	64	60	57	55	62	56	62	64	61	62	66	64	67	70	75	59·7	6.8
19	82	79	78	80	83	83	80	76	83	71	75	71	72	88	72	69	73	73	76	77	83	83	83	84	77·9	10.2
20	84	88	79	80	80	79	81	79	86	81	82	84	79	80	76	83	87	79	83	86	83	84	82	82	82·0	10.1
21	80	83	80	80	81	76	71	62	63	55	61	62	55	53	50	49	45	45	46	60	60	56	57	52	62 · 4	8·6
22	48	46	59	55	62	71	70	59	59	45	41	45	44	40	37	42	52	55	61	64	66	74	75	74	55 · 5	7·6
23	74	64	64	72	68	66	69	60	66	56	56	57	54	54	52	46	47	50	53	62	63	65	68	65	60 · 6	8·3
24	67	74	78	77	73	77	70	57	51	-55	55	56	57	55	58	55	57	58	66	70	69	75	71	64	64 · 4	9·6
25	61	54	55	68	65	69	64	55	53	59	51	54	55	58	58	58	54	52	54	66	62	62	62	66	58 · 9	9·9
26	64	68	67	70	66	67	64	63	62	60	61	65	68	73	71	72	74	77	79	83	80	80	87	89	70·8	11.6
27	88	90	91	93	93	89	83	85	76	63	50	56	68	69	63	64	69	66	73	82	82	85	85	85	77·1	11.3
28	87	88	89	68	92	89	89	80	74	74	72	72	75	68	74	78	76	78	77	83	85	87	89	89	81·3	12.2
29	91	89	96	. 93	94	95	94	88	80	74	73	71	73	74	75	74	73	77	76	78	84	85	86	88	82·6	11.7
30	87	87	89	91	91	91	89	89	85	76	76	73	70	77	78	82	82	85	87	89	90	91	91	93	84·9	12.5
31.	93	93	93	93	94	93	93	93	82	75	76	69	69	75	70	68	64	70	74	77	73	73	77	71	80•0	12.9
Mean	78 • 7	79・3	80.3	82.2	82.1	81.8	80-8	75 • 7	71.8	68•3	65-8	65•3	<u>64·8</u>	66 - 4	67.1	68 • 5	68-9	69-3	71.8	75-9	76 • 1	77.1	77.7	78-1	73.9	+10-3
Vapour	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.	
Pressure*	9·5	9·4	9·3	9•3	9·2	9·4	10·1	10·3	10:5	10·4	10·3	10·4	10∙5	10·8	10.9	11∙0	10.9	10-7	10·6	10·6	10-2	10-1	9•9	9·7	\$10.2	

378.	VALENT	IA OB	SERVA	TORY:	Nor	th Wa	ll Sc	reen	h _t =	1•3 m	etres														JUNE,	1935
Day 1 2 3 4 5	73 93 84 83 92	% 74 91 89 81 93	76 91 87 85 91	% 74 89 84 84 92	% 76 89 84 86 94	% 69 84 86 79 91	% 71 78 91 83 89	% 75 76 91 86 93	% 75 75 89 81 88	% 79 70 91 83 82	% 68 69 88 75 85	% 65 69 84 83 83	% 62 68 90 83 80	% 83 70 91 76 80	% 77 94 90 76 77	78 85 83 75 77	78 78 82 76 88 76	79 78 81 85 82	75 77 81 85 80	75 76 89 87	\$ 81 87 82 89	% 83 87 87 88 89	% 81 83 86 90	% 85 85 79 87 93	% 75·2 81·1 86·1 83·1 86·3	mb. 11.6 11.8 12.2 11.6 12.9
6	91	87	89	91	89	88	85	94	94	92	90	82	78	77	76	74	77	78	80	85	85	89	90	85	85·4	13.0
7	90	88	90	89	88	94	91	87	85	83	82	78	79	86	75	77	81	74	67	71	68	72	69	77	81·0	11.7
8	79	70	73	69	75	74	68	66	67	68	66	65	66	64	62	61	67	69	71	75	81	86	87	89	71·3	10.4
9	90	89	83	81	85	83	81	75	76	76	68	74	76	74	73	75	76	73	87	78	82	87	92	86	80·1	11.8
10	86	87	82	79	76	80	80	82	81	80	82	79	88	94	93	93	95	95	93	94	96	97	96	97	87·5	12.4
11	94	96	93	89	89	90	91	87	79	75	68	69	79	77	76	76	77	86	87	82	87	88	92	89	84·2	11.9
12	88	89	87	89	89	88	87	88	84	79	80	74	74	77	74	77	83	87	79	80	80	86	86	86	83·0	11.3
13	87	87	88	87	87	94	92	78	70	69	77	76	70	85	80	88	87	88	89	85	87	86	87	83	83·7	11.2
14	88	91	89	91	89	91	87	83	78	72	74	73	71	72	72	73	70	76	73	69	77	85	84	90	79·8	11.4
15	88	91	91	87	87	83	80	78	75	80	72	75	76	77	78	73	72	77	81	80	81	81	80	83	80·4	12.0
16	80	87	88	86	85	86	83	82	81	76	76	73	70	77	75	75	77	74	76	77	82	85	86	85	80.0	12·4
17	87	89	91	89	87	85	77	72	80	74	77	77	85	78	76	76	80	91	94	95	94	93	91	93	84.5	12·7
18	94	93	91	91	91	93	92	88	95	96	95	92	89	84	85	77	81	82	86	90	92	95	96	95	90.1	15·1
19	94	95	93	96	97	98	99	98	96	97	94	96	94	98	97	98	97	94	97	95	94	95	94	94	95.9	15·6
20	95	98	97	96	96	96	94	89	88	89	86	87	85	82	81	85	86	87	90	92	91	93	93	96	90.5	15·6
21	97	97	96	96	99	95	94	94	92	86	86	80	80	80	80	75	73	79	86	88	89	89	90	88	88 · 0	15·4
22	91	92	90	92	90	91	93	94	94	93	94	90	85	84	83	83	77	82	80	82	87	89	93	91	88 · 3	14·8
23	95	92	92	93	96	93	94	82	83	85	81	73	77	66	71	67	69	71	66	70	73	76	76	76	80 · 2	12·9
24	79	83	81	83	84	83	79	62	64	68	56	58	62	69	71	80	86	85	83	81	79	77	78	73	75 · 2	11·9
25	82	80	85	83	81	85	87	90	85	87	86	86	85	82	82	82	84	82	83	87	90	91	95	96	85 · 2	15·2
26	97	94	94	96	95	97	98	98	97	98	98	98	99	98	97	96	97	95	96	97	97	96	96	90	96·5	15·4
27	89	86	82	82	94	90	93	88	85	81	81	85	90	93	90	91	92	91	93	95	96	95	95	96	89·6	14·6
28	96	96	95	96	96	97	96	90	92	89	87	85	83	84	81	81	82	84	85	86	88	92	86	86	89·1	15·6
29	88	93	94	93	91	91	93	86	83	83	77	77	74	78	77	79	82	86	91	87	87	90	89	89	85·7	14·5
30	79	84	83	82	79	89	78	73	71	72	69	66	67	67	67	60	89	72	72	76	80	87	87	92	75·8	11·9
Mean	88•3	<u>88·7</u>		87-6	88 • 1	88.1	86-8	84 - 2	82-8	81-8	79-6	<u>78·4</u>	78 • 8	80.1	79 - 5	79-0		82.1	82-8		85 • 7	87-8	87•9	87•8	84.1	+13-0
Vapour	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.	
Pressure	12-6	12·5	12·4	12·2	12·3	12·6	12·8	13·0	13·1	13·3	13·2	13·1	13·4	13.7	13·6	13·6	13.6	13-4	13·1	13.0	12·8	12·8	12·7	12·6	#13·0	
Hour G. N. T.	1	2	3	4	,5	6	7	8 -	9	10	n	Noon	13	14	15	16	17	18	19	20	21	22	23	24		

379. VALENTIA OBSERVATORY: North Wall Screen: h_t (height of thermometer bulbs above ground) = 1.3 metres

JULY, 1935

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Hour G. M. T.	1	2	3	4	5	6	~ 7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23.	24	Mean	Vapour Pressure*
Day 1 2 3 4 5	% 89 94 92 91 94	% 89 95 93 91 96	93 95 93 90 96	% 91 96 90 92 93	91 94 88 92 96	% 92 96 90 90 94	91 92 91 90 92	% 84 91 89 91 91	% 78 91 94 89	% 76 90 95 90	% 73 88 92 90 91	% 72 87 94 89 88	% 75 86 94 89 89	76 84 93 85 88	89 86 92 83 89	% 91 85 90 91 89	92 85 91 88 90	92 83 93 91 90	92 86 93 90 91	90 89 93 90 94	% 90 88 94 92 92	93 88 91 92 92	93 89 90 94 94	93 91 90 96 92	% 86.9 89.5 91.9 90.1 91.7	mb. 13-8 15-6 15-7 16-6 16-3
6 7 8 9	94 88 65 87 94	96 87 64 88 93	98 80 68 88 94	96 82 68 85 94	94 82 60 84 93	97 72 64 78 97	96 68 65 80 92	92 65 63 78 77	92 69 61 79 76	90 63 61 88 77	90 65 64 91 76	89 65 72 92 76	82 63 78 93 75	83 55 74 94 76	81 53 76 94 72	79 53 70 95 72	76 48 75 94 66	78 44 77 96 69	81 54 87 88 69	85 63 84 91 75	88 67 87 86 81	90 64 88 92 83	89 64 81 89 83	91 69 84 91 83	88 • 6 <u>66 • 4</u> 72 • 0 88 • 2 81 • 1	16.2 14.4 15.3 15.9 13.9
11 12 13 14 15	83 87 86 84 88	88 86 87 88 89	89 88 87 90 89	92 87 85 91 89	91 87 82 87 88	94 84 87 85 93	91 82 90 81 92	73 85 91 76 78	66 66 91 77 78	69 66 93 70 75	65 68 94 66 71	64 68 97 62 73	71 68 96 62 69	73 66 90 65 71	68 69 87 65 71	67 67 90 65 67	64 69 90 62 67	64 69 89 65 73	66 72 89 65 70	67 78 89 73 75	71 85 86 80 81	78 85 84 80 83	84 86 85 85 75	87 86 85 85 77	76 • 0 77 • 3 88 • 8 75 • 4 78 • 6	12.6 12.9 15.9 13.2 13.1
16 17 18 19 20	80 92 89 89 91	82 95 91 94 77	84 81 91 93 83	83 73 91 95 69	91 72 92 97 76	87 71 85 94 71	88 74 86 93 68	89 72 77 94 69	88 70 75 88 72	89 71 69 94 70	91 73 68 84 69	91 72 68 87 65	90 71 69 87 62	90 69 73 88 64	90 70 74 83 68	92 74 68 80 66	92 80 70 78 69	92 80 74 83 71	92 71 73 87 69	91 78 70 87 73	91 85 70 88 76	91 89 73 92 74	93 88 78 91 77	94 89 86 87 81	88 • 9 77 • 6 77 • 6 88 • 9 72 • 2	15.5 13.1 12.9 14.9 12.0
21 22 23 24 25	85 94 97 78 86	83 96 94 78 86	85 94 96 79 86	87 94 97 79 85	86 93 98 85 89	89 97 97 82 89	88 96 98 73 80	92 95 97 67 77	94 91 94 66 72	94 92 93 64 71	98 90 91 63 71	97 88 92 62 69	95 86 92 63 71	93 86 93 61 73	94 86 89 67 73	94 86 89 67 71	94 83 92 62 70	93 87 93 69 72	90 88 92 70 65	94 90 90 77 77	96 92 91 80 78	94 95 90 78 77	96 92 88 83 79	97 96 85 85 79	91.7 91.1 93.1 72.4 77.0	15.5 17.7 16.9 12.6 12.7
26 27 28 29 30	85 95 93 92 89	84 93 96 93 90	87 92 96 88 91	88 93 97 85 89	88 94 97 86 89	89 91 97 84 92	89 93 98 76 91	83 91 97 75 86	85 95 93 73 79	86 96 90 72 77	90 96 90 70 78	94 94 88 68 77	92 92 91 68 73	94 94 91 64 77	94 91 93 67 71	91 91 94 65 76	90 91 93 63 75	90 95 94 65 76	89 95 95 65 72	89 94 93 74 84	93 95 94 85 87	91 95 92 87 89	90 95 92 88 85	93 94 93 90 86	89-0 93-5 93-6 76-9 82-5	16.0 17.4 17.1 13.8 14.2
31	88	93	91	93	95	91	93	82	72	61	65	57	52	60	63	62	66	6 8	75	79	83	83	90	90	77-1	13•9
Mean	88•3	88-9	88-9	88•0	88•3	87•7	86•3	82-8	80•7	80•1	79•7	79•3	78•8	78-8	79•0	78-6	78-2	79•8	80•0	83•1	85 • 5	86·2	86•7	87•9	83•4	†14•8
Vapour Pressure*	mb. 14•1	mb. 14-1	mb. 13•9	mb. 13.7	mb. 13•7	mb. 13•8	mb. 14•4	mb. 14-6	mb. 14•7	mb. 14•9	mb. 15•3	mb. 15•5	mb. 15•6	mb. 15.8	mb. 15•8	mb. 15•6	mb. 15•3	mb. 15•2	mb. 14-8	mb. 14.8	mb. 14•7	mb. 14.5	mb. 14·3	mb. 14.2	mb. #14.7	

380. ₹	ALENT	IA OB	SERVA	TORY:	Nor	th Wa	ll Sc	reen	h _t =	1•3 n	etres	s												ÜA	GUST,	1935
Day 1 2 3 4 5	% 90 73 81 82 94	% 88 74 87 88 95	% 90 74 80 88 95	92 81 82 90 96	% 90 70 85 88 96	\$ 91 80 85 88 96	% 90 81 83 88 95	% 89 78 78 80 95	% 83 75 72 77 97	79 72 76 79 92	75 61 72 78 87	% 81 61 72 75 90	% 73 57 74 76 87	% 70 54 66 74 87	% 73 54 70 77 85	73 62 71 74 85	.% 69 58 68 78 85	% 75 60 72 84 87	79 68 75 82 89	% 76 68 83 87 89	87 72 85 90 91	% 81 73 87 94 91	% 80 76 85 94 92	% 77 77 86 92 92	81-6 69-1 77-9 83-3 91-2	mb. 15·3 11·9 13·7 15·2 17·9
6	93	91	93	92	94	94	91	83	86	86	84	81	80	85	86	87	80	85	87	91	92	93	92	93	88.3	17.9
7	93	93	93	94	94	95	94	91	91	89	91	89	85	82	/80	77	78	79	81	86	89	92	94	93	88.5	16.9
8	92	91	92	93	95	95	95	89	89	86	76	74	73	68	68	65	70	70	72	74	73	75	72	80	80.6	14.7
9	84	84	81	86	88	91	90	89	80	78	76	75	73	73	74	73	77	76	77	82	80	80	80	81	80.3	15.0
10	81	80	80	79	80	79	78	75	74	73	75	75	75	77	81	84	. 87	89	91	91	92	93	93	94	82.1	15.9
11	95	94	95	96	96	94	95	95	92	93	94	95	92	90	91	91	93	95	94	90	92	95	96	95	93-6	18·4
12	92	90	90	86	83	74	68	67	69	65	61	56	65	59	58	60	63	60	64	66	65	68	69	68	70-0	11·4
13	67	67	69	68	72	81	75	63	67	59	66	63	67	67	69	87	76	83	82	80	86	90	90	85	73-8	12·1
14	90	90	85	77	88	78	81	80	85	78	72	76	70	72	75	73	73	77	79	81	87	84	83	82	79-9	13·4
15	83	82	87	85	88	87	91	88	86	82	79	80	80	80	81	89	92	95	96	95	95	97	97	97	87-7	16·2
16	97	97	98	97	97	97	97	97	96	96	96	93	91	92	92	94	91	92	94	95	93	94	94	95	94.8	18.5
17	95	96	96	96	97	97	96	94	94	93	95	95	94	95	96	93	91	92	92	93	95	95	95	93	94.5	18.2
18	94	97	96	96	94	96	94	92	94	91	87	87	82	85	79	83	85	89	89	93	92	93	91	91	90.5	16.3
19	92	92	92	96	96	93	93	96	95	93	92	92	95	91	90	92	96	95	95	97	97	97	97	97	94.1	17.7
20	96	96	97	98	99	98	97	97	96	92	90	85	81	80	82	85	86	94	94	91	93	93	92	90	91.9	18.1
21	90	91	91	91	80	78	73	78	69	66	67	68	68	69	71	70	71	74	75	80	83	83	87	85	77.5	13-8
22	85	86	85	86	87	87	86	82	82	83	88	91	91	89	90	92	96	96	96	93	96	93	94	97	89.4	15-2
23	93	94	93	95	92	95	95	97	92	90	88	85	83	81	83	85	84	92	93	92	90	92	92	91	90.4	14-0
24	87	90	91	90	87	86	88	82	85	80	80	77	79	77	77	77	71	76	77	78	82	74	81	77	81.5	14-0
25	74	74	71	72	73	73	74	73	68	66	70	66	64	64	68	67	70	70	74	79	78	81	83	86	72.2	12-1
26	88	91	91	90	90	91	96	96	95	94	94	95	95	95	91	88	88	83	82	77	76	79	78	75	88.5	15·2
27	73	66	72	87	85	78	87	80	75	70	81	73	67	77	64	75	67	68	75	80	79	83	81	83	75.9	11·0
28	88	89	89	84	92	92	89	83	76	70	73	66	91	76	65	70	68	70	80	73	75	72	76	79	78.7	<u>11·0</u>
29	79	77	79	80	84	88	79	74	71	81	76	77	83	69	71	78	83	68	74	75	83	80	80	77	77.8	11·4
30	78	82	74	76	81	80	79	78	81	71	65	65	65	66	67	70	75	78	82	84	89	92	94	91	77-3	12·1
31	93	91	95	91	91	96	94	98	99	87,	85	85	85	76	80	86	83	82	85	88	90	91	91	93	88-9	13-2
Mean	86•8	87•2	87•2	87-8	88•1	88•£	87•5	85•1	83-6	81•0	79•8	78•8	78-7	<u>77-</u> 0	77-0	79-2	79•1	80•8	83-0	84-1	86 • 0	86-6	87•1	86-8	83•6	†14·8
Vapour	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.	
Pressure*	14•1	14•2	14•1	14·1	14.0	14•1	14-3	14-5	14•9	14•9	15•0	15•0	15·1	15.0	14•9	<u>15</u> •£	15.0	14•9	14.8	14•5	14•5	14•4	14•4	14•2	‡14-6	
Hour G. M. T.	1	2	3	4	5	6	7	8	. 9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

RELATIVE HUMIDITY Percentages at exact hours, Greenwich Mean Time

381. VALENTIA OBSERVATORY: North Wall Screen ht (height of thermometer bulbs above ground) = 1.3 metres

SEPTEMBER, 1935

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Hour G. M. T.	1	2	3 .	4	5	6	7	8	9	10	-11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure
Day 1 2 3 4 5	% 93 86 93 89 81	93 82 94 91 82	3 94 81 93 81 89	91 85 91 90 85	91 91 95 90 89	91 93 95 88 89	94 93 95 86 90	\$ 90 92 91 85 89	91 87 88 80 84	93 82 85 82 81	% 85 86 81 88 91	% 80 77 78 87 90	79 81 77 79 87	% 78 78 81 79 84	67 89 79 81 82	\$ 68 79 82 86 80	78 80 77 88 77	82 83 82 93 72	% 85 83 88 93 80	84 90 87 91 83	% 88 90 90 83 87	\$ 86 90 87 82 85	% 86 94 89 82 87	% 87 93 88 80 89	85·7 85·9 87·0 85·7 84·5	mb. 13·1 14·2 13·9 13·8 13·3
6 7 8 9 10	89 78 69 .95	92 78 69 97 80	89 79 69 95 87	90 79 76 93 91	95 80 79 93 89	95 79 81 93 88	94 79 83 95 89	95 80 82 96 89	92 80 83 91 89	88 78 84 90 86	84 71 88 87 89	81 71 88 83 91	77 69 93 81 89	81 63 95 82 90	77 62 93 81 90	77 63 94 76 90	76 60 90 82 90	81 60 92 85 91	76 62 91 76 89	76 62 93 79 86	75 66 94 85 87	75 70 94 88 89	76 72 93 90 87	77 71 96 88 81	83·9 71·5 85·7 87·7 88·4	13·5 13·5 15·9 15·4 <u>16·4</u>
11	81	85	89	91	96	96	92	94	92	86	78	78	78	79	91	90.	93	92	94	84	86	83	84	87	87·3	16.0
12	86	90	96	89	93	92	92	89	88	85	91	90	87	82	82	89	96	90	87	85	84	84	86	87	88·3	15.7
13	90	84	84	80	87	84	85	84	83	84	81	79	79	78	84	81	80	81	83	83	82	83	88	91	83·2	14.6
14	86	85	85	75	82	86	86	83	91	85	82	87	86	78	79	75	78	84	87	87	88	86	87	91	84·1	14.5
15	90	83	81	87	87	90	89	90	88	76	80	90	80	75	78	80	80	80	90	81	85	88	82	82	84·0	13.6
16	82	83	82	85	89	83	87	88	89	85	91	87	87	92	88	88	88	93	90	91	85	75	80	87	86 · 4	12·5
17	87	80	78	77	76	78	80	79	80	82	81	77	81	78	83	83	79	72	74	73	75	76	75	75	78 · 5	12·2
18	86	87	78	76	77	81	87	88	93	87	90	84	82	84	92	92	93	97	91	91	90	90	90	89	87 · 0	13·9
19	89	87	86	84	78	87	77	80	85	80	74	76	75	81	80	77	77	75	80	82	81	82	85	90	81 · 1	13·5
20	91	94	94	95	93	92	90	94	89	86	83	78	81	79	78	78	78	87	88	88	89	92	92	89	87 · 4	13·1
21	90	93	88	87	78	85	88	89	88	85	90	85	80	82	81	77	81	82	82	87	91	90	86	89	85-6	12.6
22	91	90	95	95	93	94	94	90	97	94	94	86	85	84	69	92	89	75	76	76	79	78	78	83	86-7	12.1
23	85	88	89	87	91	92	94	93	88	85	80	78	78	86	87	88	90	90	89	89	94	91	93	95	88-1	12.3
24	96	• 97	97	95	95	97	97	96	96	93	91	90	87	90	93	91	91	94	90	91	83	77	77	77	91-3	14.7
25	75	86	87	88	86	86	87	87	85	75	77	77	76	77	73	77	78	89	88	90	90	87	87	83	82-8	12.6
26	86	90	93	94	95	93	93	94	92	92	96	93	91	93	91	91	94	92	94	92	91	89	93	91	92·0	15.0
27	90	93	92	93	94	94	92	93	93	89	88	88	84	86	85	86	89	88	91	91	91	94	93	94	90·4	14.8
28	91	91	93	94	93	93	94	94	96	94	85	81	82	80	76	75	76	80	85	85	86	87	88	90	87·1	12.5
29	89	88	86	87	86	92	84	85	81	85	89	94	94	85	90	80	79	83	87	89	90	78	79	77	86·0	11.8
30	76	75	75	83	77	78	82	79	82	76	70	83	84	76	88	77	76	67	77	86	81	86	85	82	79·1	10.9
Mesu	86 • 7	86 • 9	86 • 8	87.1	87.9	88 • 8	88•9	88 • 6	88•0	85.1	84.7	83-6	82.3	81 • 9	82 • 3	82.1	82.8	83.7	84.9	85.1	85.5	84 - 7	85•5	86.0	85 •4	+13-7
Vapour	мb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	
Pressure*	13•2	13·3	13·3	13·3	13·3	13·3	13·3	13·7	14·2	14·2	<u>14·4</u>	14·3	14·3	14·2	14·2	14·1	13·9	13·8	13·6	13·4	13·4	13·2	13·2	13·3	‡13·7	

382. T	VALENI	IA OE	SERV	ATORY:	Noi	th Wa	all So	reen	h _t =	= 1.3	metr	es												oca	rober,	1935
Day 1 2 3 4 5	85 92 88 81 77	79 92 82 79 76	77 94 87 76 69	79 97 82 84 64	78 90 83 77 63	% 80 88 83 77 62	% 78 70 80 73 62	% 79 70 78 72 70	% 80 76 83 76 62	.% 85 80 83 72 59	% 80 83 71 73 59	72 86 68 85 60	% 73 83 66 79 63	% 77 90 71 78 64	% 72 76 73 77 67	% 66 80 74 80 75	% 70 88 82 77 80	% 74 86 82 77 79	% 76 88 84 87 88	79 88 76 83 86	% 83 89 74 78 87	% 84 88 79 82 86	89 83 81 76 78	\$ 89 87 79 71 79	78·4 85·2 78·9 78·1 71·3	mb. 11·2 11·4 10·0 10·7 9·4
6 7 8 9 10	84 87 74 86 79	82 80 82 83 73	72 85 80 89 68	71 89 70 91 73	71 88 70 95 74	72 89 71 96 75	72 90 82 94 73	70 90 72 97 71	68 84 79 91 75	65 80 82 97 68	74 76 81 91 70	82 81 78 89 72	88 79 72 93 69	85 83 89 93 68	76 84 78 93 73	76 87 73 93 68	80 87 78 91 71	85 91 70 94 76	77 90 68 92 77	79 93 79 89 74	82 90 76 91 80	84 94 89 93 83	80 82 86 88 77	79 77 85 83 83	77·3 85·7 77·5 91·4 73·7	9·9 10·4 9·9 12·2 9·7
11 12 13 14 15	88 81 87 95 95	82 81 85 95 95	74 80 86 95 94	87 81 86 93 94	80 81 88 92 96	74 80 87 93 97	75 86 88 93 95	79 87 89 91 96	76 89 87 90 97	74 91 95 90 94	77 88 93 89 93	71 81 93 89 92	73 83 95 87 95	71 81 95 88 95	73 82 93 89 96	72 82 91 87 96	73 86 93 89 94	76 87 91 88 98	76 89 93 90 96	77 88 94 85 96	80 90 95 90 95	81 89 95 89 95	77 88 94 90 95	77 90 93 94 94	76·9 84·8 91·0 90·4 95·1	9·9 11·7 13·1 12·8 14·6
16 17 18 19 20	96 91 93 66 56	96 91 91 64 70	95 92 94 63 72	96 89 94 69 77	96 89 90 65 78	97 93 91 63 72	95 93 87 61 69	91 90 90 65 79	90 90 88 74 77	75 90 86 66 75	65 87 87 70 71	69 87 91 55 68	68 88 91 57 67	67 86 88 70 70	68 85 87 62 63	71 89 87 76 68	75 90 87 55 72	78 91 90 63 74	87 90 91 56 79	88 91 91 58 67	89 91 79 60 72	88 89 65 64 72	90 91 75 61 64	92 91 65 71 77	84·3 89·8 87·1 63·8 71·1	11.7 12.7 13.1 7.9 7.6
21 22 23 24 25	73 89 97 73 89	72 91 97 74 81	75 92 97 75 79	74 92 96 73 76	79 92 95 74 79	88 92 96 83 76	91 89 96 74 82	91 94 93 76 82	92 90 95 84 78	91 93 86 83 71	94 97 84 86 74	91 95 79 80 65	89 97 77 80 70	90 95 69 78 68	90 95 70 76 71	90 96 70 79 72	94 97 74 84 82	94 95 72 84 82	92 98 73 87 83	92 98 71 86 89	93 98 69 88 93	89 97 73 89 92	88 97 66 89 93	89 96 72 92 95	87·3 94·2 82·5 80·7 80·0	10·3 12·5 10·9 9·8 10·4
26 27 28 29 30	95 93 93 93 79	95 94 93 95 79	95 94 91 94 82	96 91 93 93 85	96 91 93 93 84	97 90 94 94 87	96 89 95 93 83	96 89 96 95 80	94 88 95 91 82	95 89 96 82 85	97 88 96 68 85	95 88 95 78 81	92 88 95 71 80	91 86 94 65 83	90 88 95 73 81	89 87 93 64 87	94 89 90 67 89	93 89 93 72 79	94 88 95 76 80	95 88 96 65 83	95 87 93 82 80	94 88 93 75 77	93 90 93 76 68	94 91 93 74 80	94·2 89·4 93·9 80·8 81·5	13.8 13.8 14.4 11.3 10.8
31	69 -	82	77	77	83	78	. 85	83	72	86	74	77	71	70	78	73	79	78	84	83	83	84	83	80	78 • 7	8-4
Mean	84.7	84.2	83.7	84.3	84.0	84.3		83-9	83.7	82.7	-	80 • 4	80-0	80•6	<u>79 • 8</u>	80•3	82.5		84.7	84.1	84.9	85.2	83.3	84.3	83.1	+11-2
Vapour Pressure*	mb. 11·1	mb. 10·9	mb. 10.8	mb. 10·8	mb. 10·8	mb. 10.8	mb. 10.7	mb. 10.8	mb. 11·1	mb. 11·1	mb. 11·2	mb. 11.3	mb. 11·3	mb. 11.4	mb.	mb. 11.2	mb. 11·3	mb. 11·3	mb. 11.3	mb. 11·2	mb. 11·1	mb. 11·1	mb. 10·9	mb. 11.0	mb. #11.1	
Hour	١,		,				,			10	3.1	Neon	12	14	15.	14	17	19	10	20	97	99	99	94	Maan	

NOVEMBER, 1935

		_																		, , , , , , , , , , , , , , , , , , , 						
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day 1 2 3 4	% 82 82 72 92 91	% 84 80 71 91 92	% 84 78 67 94 96	% 87 84 70 94	% 90 88 71 90 87	% 88 84 81 91 75	% 90 86 83 94 70	% 90 80 81 94 71	% 91 86 76 95 72	% 88 80 70 93 67	% 86 84 69 93 70	% 83 82 68 89 72	% 80 78 71 89 67	% 76 75 67 84 64	% 83 74 73 84 68	% 86 74 73 85 70	% 88 74 79 85 78	% 88 78 76 91 73	% 84 75 76 81 85	% 83 74 76 76 86	% 87 70 73 80 79	% 93 74 73 86 79	% 87 74 73 88 77	% 84 74 86 88 88	% 85·8 78·9 73·7 88·6 77·8	mb. 9.0 9.6 10.2 11.1 8.9
6 7 8 9 10	86 86 93 79 76	86 85 85 81 75	76 84 86 79 77	87 87 84 73 72	88 85 86 84 81	83 91 87 87 82	82 90 85 86 83	85 91 91 91 83	85 87 90 84 82	78 89 91 87 82	76 91 86 86 75	75 91 89 82 75	71 82 86 75 76	79 83 86 79 72	78 87 84 77 73	83 90 83 72 75	78 90 91 70 76	78 90 94 67 76	83 89 92 81 75	85 90 91 73 76	84 91 73 72 80	87 88 66 74 76	87 90 69 74 79	85 90 73 78 86	81·8 88·1 85·4 78·7 77·5	8.8 9.1 8.9 8.4 9.2
11 12 13 14 15	87 74 90 89 87	94 76 87 86 83	90 72 83 85 83	89 71 72 73 89	89 72 64 67 86	90 74 65 70 86	84 81 76 71 85	87 82 79 73 81	92 84 81 74 84	93 84 79 75 83	95 84 74 76 83	92 79 70 72 81	92 74 79 76 84	94 82 80 76 86	86 78 80 72 87	86 83 74 75 85	82 86 81 78 88	75 83 84 76 84	70 85 87 84 88	71 87 87 83 85	76 86 88 83 86	69 86 86 88 84	75 83 87 84 85	69 89 87 89 87	84.8 80.2 80.0 78.1 85.0	8-8 7-5 8-8 8-1 7-8
16 17 18 19 20	87 89 76 71 84	87 89 73 69 75	86 89 78 70 71	89 88 78 74 67	89 93 81 72 65	93 90 77 80 64	85 88 81 79 65	86 85 78 83 61	87 81 82 86 64	93 81 86 93 69	88 79 78 88 67	88 81 75 79 63	87 83 75 76 62	87 84 73 82 65	84 79 76 82 76	87 80 79 86 73	90 81 76 84 75	87 82 70 84 82	90 83 71 87 82	90 83 72 79 74	89 81 74 84 80	88 74 74 83 78	89 78 73 80 81	87 79 73 86 79	88.0 83.5 76.3 80.4 71.9	7.5 8.5 8.5 8.6 7.3
21 22 23 24 25	75 67 74 63 81	78 71 73 65 78	78 80 72 75 77	83 74 71 74 75	88 75 70 82 71	91 73 69 84 80	92 78 64 83 77	92 74 66 85 81	88 73 67 87 77	87 71 67 85 81	86 76 71 80 62	84 74 *69 82 76	80 76 69 69 82	75 74 65 61 88	74 72 70 57 83	70 71 68 59 83	71 73 72 68 81	71 74 72 75 80	73 74 74 81 86	73 72 72 79 83	72 65 74 79 81	74 72 71 80 83	71 70 74 83 74	68 72 70 84 87	79·1 72·9 <u>70·2</u> 75·5 79·4	9·0 8·1 7·7 6·1 7·7
26 27 28 29 30	88 73 94 81 78	87 76 95 81 86	88 76 96 87 83	91 72 96 84 82	87 71 95 86 82	72 75 91 87 82	72 83 93 88 78	71 82 90 82 78	69 86 90 89 86	73 89 82 86 88	71 88 84 86 84	73 86 82 71 86	77 88 84 74 87	72 91 86 64 89	72 93 86 59 85	78 95 76 81 80	95 80 86 81	76 94 80 86 82	82 93 80 79 82	81 94 80 74 79	79 94 87 73 75	82 94 83 72 71	76 95 88 71 71	76 94 88 78 73	78.0 86.2 87.0 79.6 81.3	8·9 10·2 10·9 9·1 9·7
Mean	81.6	81.3	81.3	80-8	81.2	81.4	81-7	81.8	82.5	82•3	80•5	78-9	78-3	78-0	77.7	78•7	80•4	80.3	81.7	80•3	79•8	79-6	79•5	81.4	80 5	† 8•7
Vapour Pressure*	mb. 8•5	mb. 8•5	mb. 8•5	mb. 8·6	mb. 8•5	mb. 8·6	mb. 8•7	mb. 8·6	mb. 8•7	mb. 8•8	mb. 8•9	mb.	mb. 9·1	mb. 9•1	mb. 9.0	mb. 8•9	mb. 8•8	mb. 8•7	mb. 8·8	mb. 8-6	mb. 8•5	mb. 8·4	mb. 8•5	mb. 8•6	mb. ‡8·7	

384. V	ALENTI	IA OB	SERVA!	TORY;	Nor	th Wa	ll Sc	een:	h _t =	1•3 :	metre	s												DECE	MBER,	935
Day . 1 . 2 . 3 . 4 . 5	% 75 73 76 69 63	% 82 75 77 65 70	% 75 71 78 74 67	79 70 85 76 72	% 85 78 82 77 76	% 85 73 86 84 76	% 82 64 85 87 82	% 78 79 83 81 75	% 76 68 82 84 77	% 74 66 84 83 74	% 76 60 85 77 62	% 71 61 85 85 64	% 67 65 79 89 66	% 63 61 79 77 70	% 69 56 84 78 69	% 70 59 79 80 71	% 65 60 77 68 74	% 65 62 78 71 84	% 78 67 76 69 84	% 74 64 74 62 87	% 70 70 76 69 88	% 72 75 75 63 87	% 78 73 80 74 87	% 69 73 58 67 91	% 74·2 67·5 79·6 75·2 75·2	mb. 7·9 7·1 7·4 6·9
6	93	77	73	65	65	66	67	80	76	71	70	74	74	73	71	70	73	73	74	74	71	76	85	85	74·1	8·2
7	86	86	88	90	91	91	91	89	89	91	92	96	92	79	71	74	73	86	84	74	67	78	69	78	83·7	9·3
8	72	76	76	78	79	77	77	80	80	77	74	73	79	78	80	72	73	75	75	80	79	86	83	81	77·4	9·3
9	86	88	86	86	88	88	85	83	83	88	83	73	72	75	81	79	85	84	87	87	87	85	85	85	83·6	8·2
10	85	84	84	85	85	81	85	84	82	82	72	73	69	67	70	76	76	82	81	81	84	77	73	77	79·1	6·1
11	82	80	78	75	75	70	71	73	75	80	77	80	82	79	79	76	79	82	81	83	82	83	82	81	78.5	6·1
12	78	80	77	77	77	78	- 84	84	83	81	80	85	83	81	81	81	81	82	76	70	73	72	77	78	79.2	7·2
13	77	75	75	76	76	73	- 68	70	72	78	75	75	72	69	74	74	73	71	74	78	82	82	84	82	75.1	6·5
14	80	78	80	70	68	80	- 82	93	91	94	92	89	96	91	89	77	70	78	86	84	86	84	82	75	83.3	8·5
15	85	72	76	72	72	75	- 72	72	83	79	76	76	71	66	65	75	68	56	60	71	66	79	72	68	72.1	7·3
16	68	76	78	71	74	71	74	73	74	75	74	77	76	79	79	81	83	85	88	86	85	82	75	72	77·3	7·5
17	77	77	79	76	72	80	80	84	82	77	78	72	71	75	72	76	78	80	84	82	82	84	82	87	78·3	6·6
18	73	69	67	68	71	70	70	71	74	75	76	77	74	76	77	73	76	79	82	82	80	80	82	80	75·2	7·5
19	78	78	79	79	80	80	80	81	85	88	86	83	83	79	83	82	82	80	80	81	79	65	65	68	79·6	7·1
20	69	73	63	60	62	58	58	57	56	58	60	56	54	55	56	65	67	66	74	81	75	69	78	77	64·3	<u>5·0</u>
21	71	72	72	(82)	62	62	70	65	(82)	(83)	(82)	80	78	71	71	68	67	80	(81)	(80)	(81)	(81)	(80)	(82)	75.0	5•3
22	(83)	(82)	(82)	(83)	(81)	(83)	(85)	(85)	(85)	(86)	83	82	80	71	83	70	83	78	80	87	82	82	79	76	81.4	5•5
23	71	68	65	62	64	65	56	66	56	57	58	57	64	67	70	69	63	61	61	64	67	68	76	75	64.6	6•0
24	75	74	72	74	76	76	82	83	89	89	96	93	93	88	89	89	86	86	86	86	80	84	79	79	83.4	8•6
25	82	80	80	85	79	79	85	83	85	79	83	77	83	86	86	88	84	86	80	84	88	82	88	88	83.1	9•2
26	92	91	89	88	88	92	91	93	91	91	89	89	91	88	92	93	92	93	92	91	91	92	93	92	90-9	10.6
27	89	92	93	92	89	89	90	91	98	94	93	88	94	89	89	96	94	91	93	90	93	92	90	91	91-7	9.1
28	94	96	91	93	98	97	93	97	95	97	99	94	91	93	93	96	91	92	97	92	88	89	89	90	93-6	7.7
29	89	89	91	96	95	93	97	87	83	82	80	83	85	85	86	88	92	87	84	81	87	83	83	86	87-3	8.5
30	88	85	86	87	89	91	92	92	92	92	84	80	84	82	84	89	89	89	92	89	92	91	92	91	88-3	9.9
31	87	88	87	91	92.	88	89	91	88	87	83	86	86	86	85	85	86	88	86	87	83	82	79	79	86·4	9·5
Mean	79•5	79•2	78•5	78·8	78•9	79·3	79•8	80·7	<u>81·2</u>	81·0	79•2	78·5	78•8	76 • 7	77·8	78·1	77•7	79•0	80•4	80•2	80•1	80•0	80·5	79•4	79·3	† 7·6
Vapour	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.	
Pressure*	7·3	7·3	7·3	7·3	7·4	7·4	7·4	7•5	7·6	7•7	7-8	7•9	8·1	8•0	7•9	7•8	7•6	7•7	7·6	7•5	7·4	-7•4	7•4	7•3	‡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	

385. VALENTIA OBSERVATORY: North Wall Screen: $h_t = 1.3$ metres

1935

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

^{*} Computed from the mean temperature and mean relative humidity.

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

386. VALENTIA OBSERVATORY: North Wall Screen: $h_t = 1.3$ metres,

1935

MONTH	Mean	Hour 1	G. M.T. 2	3	4	5	6	7	8	9	10	11	Noor.	13	14	15	16	17	1.8	19	20	21	22	23	24
January February March	% 81·2 79·9 77·8	% +1·5 +0·1 +2·1	% +1•6 +0•7 +1•9	% +1.6 +1.5 +2.9	% +1.5 +0.7 +2.8	\$ +2•2 +2•0 +2•7	% +2·1 +2·3 +2·4	% +2•2 +0•8 +2•1	% +1·7 +2·4 +2·0	% +1.9 +1.5 +1.3	% +0•6 +1•7 +0•6	% -0·6 +0·4 -0·5	% -0·7 -2·6 -2·6	% -1·9 -4·2 -3·4	% -2·9 -4·5 -4·3	% -2·3 -2·6 -3·3	% -2.6 -1.8 -3.3	% -1·4 -1·4 -3·1	% -1·9 +0·2 -2·1	% -1·1 +0·4 -1·0	% -0.2 -0.2 -0.5	% -1.6 +1.3 +0.3	% -1·1 +0·5 +0·3		\$ +1.0 +0.7 +1.5
April May June	76 • 9 73 • 9 84 • 1	+4.5 +4.6 +4.5	+5.2	+5·1 +6·3 +4·4	+4.7 +6.1 +3.8	+5·2 +6·1 +4·2	+6.0 +7.8 +4.2	+5·9 +6·8 +2·9	+2·1 +1·7 +0·2	-2·2 -2·1 -1·2	-4·8 -5·7 -2·3	-6·3 -8·2 -4·5	-5·2 -8·6 -5·7	-6·1 -9·1 -5·3	-6·1 -7·5 -4·1	-5·2 -6·8 -4·7	-5·8 -5·3 -5·2	-3·8 -4·9 -3·7	-3·5 -4·5 -2·2	-0.6 -1.9 -1.5	+0·9 +2·2 -0·6	+2·4 +2·3 +1·3	+2•4 +3•4 +3•4	+4.0	+3·5 +4·4 +3·4
July August September	83•4 83•6 <u>85•4</u>	+4·9 +3·3 +1·1	+5·4 +3·6 +1·3	+5·4 +3·6 +1·3	+4·6 +4·2 +1·6	+4·9 +4·6 +2·4			-0.6 +1.5 +3.1	-2·7 0·0 +2·6	-3•4 -2•6 -0•3	-3·7 -3·8 -0·7	-4·1 -4·8 -1·9	-4·6 -4·9 -3·1	-4·6 -6·6 -3·5	-4·4 -6·6 -3·1	-4·8 -4·4 -3·3	-5·2 -4·5 -2·6	-3·5 -2·8 -1·6	-3·4 -0·6 -0·4	-0•3 +0•5 -0•2	+2·2 +2·4 +0·2	+2•9 +3•0 -0•5		+4•5 +3•2 +0•7
October • November December	83·1 80·5 7 9·3	+1.6 +1.0 +0.3	+1·1 +0·7 0·0	+0•6 +0•8 -0•8	+1·2 +0·3 -0·4	+0•9 +0•6 -0•4	+1•3 +0•9 0•0	+1.2	+0·8 +1·3 +1·5	+0·6 +2·0 +1·9	-0·4 +1·9 +1·7	-1·7 +0·1 -0·1	-2·6 -1·5 -0·8	-3·1 -2·1 -0·5	-2•5 -2•5 - 2•6	-3·2 -2·7 -1·5	-2·7 -1·7 -1·2	-0.6 0.0 -1.7	+0.2 -0.1 -0.3	+1.3	-0.1	+1·9 -0·5 +0·7	+2•1 -0•8 +0•6	+0 • 2 -0 • 8 +1 • 1	+1·2 +1·0 0·0
Year	80•7	+2•5	+2•6	+2•7	+2•8	+3•1	<u>+3·3</u>	+2•8	+1•5	+0•3	-1.1	-2•5	-3•4	-4-0	<u>-4·3</u>	-3•9	-3•5	-2•7	-1•9	-0•5	+0•3	+1•1	+1•4	+1•6	+2•1

[†] See page 23.

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

387.	VALENTIA OBSERVATORY:	Hr (height of	receiving surface	above M.S.L.	= H	(height of station above M.S.L.)) + h _r
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1935

					HETEL										CI es		me cr e								
	0	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	0
Hour G.M.T.	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	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	47.3	44-6	60•4	80•3	57•7	56 • 4	57-4	59-0	59•7	42-8	44•3	63-1	61.3	53•5	57•3	57.0	54.6		59-3	57-9		(48•0	54.2	1304-1
	\		.	hr	hr	b	.									,	,		,						
Duration	hr 34.5	hr 35•7	hr 45.3	47-9		hr 37•2	hr 41.9	13.8	39.0	hr	hr 27.3	29•3	hr 31.9	hr 28.2	hr 32.3	hr 31•4	hr 30•5	hr 29•2	hr 36•9	hr	hr 32•5	hr 20.2	hr 34•2	hr	hr 828-6
Dat a mon	34.0	30.1	40.0	31.4	77 0	01 2	TT-0	33.0	35-0	21.1	61-3	23.2	3T.9	20.5	36.3	3T.4	30.50	22.5	30-2	33-4	32.0	30-3	34.6	33.0	0.00

NOTES ON RAINFALL

388. VALENTIA OBSERVATORY

1935

Notable Falls of the Year: -

There was no "Noteworthy Fall" during the year. The maximum hourly value was 10 mm which fell from 11h to 12h on June 26th. The maximum daily value was 38 mm on June 26th.

Details of the greatest continuous falls are as follows:-

Date	Amount	Duration
	mm	hrs
Feb. 26th.	29	7•2
June 22nd.	28	12.3
June 26th.	38	15.3
Nov. 11th.	20	7.9

Wet Periods: -

There were 4 "Rain Spells" (i.e., periods of 15 or more consecutive days on each of which 0.2 mm or more of rain fell) April 4th to 22nd, June 1st to 15th, Sept. 8th - 24th and Sept.28th - Oct 13th, and 2 "Wet Spells" (i.e. periods of 15 or more consecutive days on each of which 1 mm or more of rain fell) - Feb. 18th - Mar.5th and Oct.29th - Nov 20th.

Dry Periods: -

There was no occurrence of an "Absolute Drought", Partial Drought or Dry Spell during 1935.

Rate of Rainfall (Jardi Recorder)

The highest instantaneous rate of rainfall was 124 mm/hr at 02h 14m on August 21st. The maximum rate exceeded 50mm/hr on 32 days.

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time
389. VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height
of receiving surface above ground) = 9·1 metres + 0·5 metre

JANUARY, 1935

																								•	ANUAK.	- - <i>- - - - - - - - - -</i>	"
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	56	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day 1 2 3 4 5	mm	••••••••••••••••••••••••••••••••••••••	(<u>a</u>)	*1 •1 (•1)	mm (<u>a</u>)	•1 (<u>a</u>)	•2	**************************************	(·1)	mm (•••) •••	mm	mm	mm	mm	mm	mm	mm	mm •2	•2	mm •2	mm -1	mm	mm •••	mm -1 -2†	mm 0.3 0.3 0.1 1.0	hr 3.8 0.7 1.1	mm/hr 4 1
6 7 8 9 10	•3 (€) •••••••••••••••••••••••••••••••••••	•3 (a) •:	(·1) (·1) (·1) ···	.1 (1) 	*5† (L) (L)			(·1) (·1)	:J:J:	•••	•••	•••	•3	-5	•••	•••	•••	•••	•••	•••	•••	··· ·i ·i+	(<u>a</u>)	(<u>a</u>)	1.4 0.2 1.2 0.1 0.1	1.6 1.6 0.1	12 4 15
11 12 13 14 15	•1		···	•4	•2 •3†	•••	1.2 .1 .1 .1	1•7† (•8† (•••)	1.6 .4 ()	1•3	(···)	··· (···)	··· ··· ···	•1 •4 (•1) •••	···)	•8 (•••)	•2	•••	•1	•2	•6 •3 ···	•5 •7	•3	•5	8•3 4•5 1•7 0•1	4.0 5.7 3.5 0.2	47 28 7
16 17 18 19 20	• • • • • • • • • • • • • • • • • • • •		•••	•••	•••			•••		•••	•••	•••			•••	•••	•••	•••	•••	•••	•••	•••	•••				•••
21 22 23 24 25	(L)	(<u>a</u>)	(<u>a</u>)	(·i)	: (i) : : :	: <u>0</u> :::	•••	•4	:::3	•••	•1	•••	•1	···	•1	•••	•••	•1	•••	•••	•••	•••	(<u></u> _)	(山) •2 •9†	0-1 0-2 2-4	0.1 1.3	 3 24
26 27 28 29 30	•2 •2	•1 ••4 ••4	···	•1	•6 ••• •1	···	•3† ••• ••1	•1	•1	•4	•2	•••	•1 ••• •3†	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	1.6 1.2 1.3	1.0 3.1 2.8	17 2 6
31. Sum	0-8	0-9	0-6	1.5	•1 1•8	0-2	2.1	3·3	2•9	2-0	0•3	0-1	1.2	1.2	0-6	0•8	•1 0•3	0.3	0•3	•1 0•6	1.0	1•4	1.1	1.9	0•3 27•2	0•3 31•9	3
Total Dura- tion	hr 0•8	hr 1•9	hr 1•5	hr 2•5	hr 2•1	hr 0•6	hr 2•5	hr 1•6	hr 2•1	hr 1-4	hr 0•5	hr 0•2	hr 1•8	hr 1•7	hr 0•9	hir 0-2	hr 0•3	hr 1·1	hr 1•1	hr 1.6	hr 1•5	hr 1•8	hr 0•9	hr 1•3	hr 31•9		

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

390. VALENTIA OBSERVATORY: $H_r = 9.1$ metres + 0.5 metre

FEBRUARY, 1935

Day 1 2	mm	mm	mm	mm	mm	mm	mm •••	 •1	mm •••	mm •-2	mm	mm	nm •1	-1	mm •3	mm	mm •2	mm -2	mm •1	ZMM1	mm.	•1 •2	 	mm -6	mm 1•1 1•6	hr 1.8 4.1	mm/hr 2 3
3 4 5	•••	•••	·i	•2	·	•••	·i+	•3	∵i 	•••	•••	•••	•••	•2	•2 •8	•2 •6	•1 •4	•••	•••	•2 1	•••	•••	•••	•••	1•7 2•1	3•7 2•2	5 6
6 7 8 9 10	·3† (山)	: ::3	::: :	::: :::	: ::3	: ::3	: EEE:	:£££:	:J &;	: (I)()	•••	•••		•••	•••	•••	•••	•••	•••	•••	<u>ن</u>		<u>ن</u>	:: :::	0.3 0.1 0.2 0.1	0-1	12
11 12 13 14 15	-27	•1 1•5†	·2 2·6 1·1	4•5† 1•3	1.5 .1 2.0†	•2	•3	··· ··· (···)	•3 •1 •1 (•1)	····)	··· (·1)	····)	•••	•••	····	•••	•••	•1 •1 ···	•3	•1 •8	•2	•1 •1 ···	2-8†	•1	3•7 3•1 9•5 1•6 5•2	1.7 3.5 4.9 0.4 4.2	66 10 37 10
16 17 . 18 . 19 20	2-9	2•5	•7 •2 2•0	•4† 2•6 3•2	••• •1 4•1† 1•6	•2† •1 1•0 •8	•6	•••	•••	2-21	•1	•1	•1 1•4	•••	•6 1•1 ••3	1·1 1·1 ··9	•••	•••	•••	•••	·i ·i ·i	-81	•2	2-0	3·3 0·3 3·5 11·0 17·4	1.9 0.2 4.2 4.6 7.3	35 8 8 30 31
21 22 23 24 25	•3	•3 •1	•5 ••• 1•3†	1.0	•7 •1 ••• 1•4	•1	1.6+	•4	•2	•2	•2	•5† •••	·i ·i ·i	•3 •6†	•3	-8 -6	·2 ··· 1·5	·i 	•3	1.5	•2 •7† •7	•5	•••	•••	5·3 1·3 2·5 5·6 5·4	2·2 1·0 1·2 3·1 5·6	33 9 19 36 9
26 27 28 29	•••	•••	•2	•••	•••	*8	1.7	•2	•••	 i·it	1.0	•••	•••	•3	2.5	1.4	1.6	1.9 .5 .2	2.6	9•8† 1•0†	8•8 •7	•7 •7 1•5	•5 1•3 •••	•3 •1 •••	30•4 8•1 3•4	8·1 4·1 1·5	91 48 10
Sum	3•8	4-5	8-9	13-6	12•0	4•3	5•6	1•4	1.6	3•7	1.4	0•6	1.8	1.5	6•6	5•8	4.0	3•1	4.2	13•4	12•1	4•7	6•0	3-2	128•0	71.6	
Total Dura- tion	hr 1•7	hr 1-6	hr 5•4	hr 6•0	hr <u>6•9</u>	hr 4-0	hr 5•1	hr 2•0	hr 1•8	hr 1•8	hr 0•9	hr 0•3	hr 1•4	hr 1•2	hr 4•1	hr 3•9	hr 2•6	hr 1•7	hr 2•7	hr 3•2	hr 3•6	hr 3•5	hr 3•6	hr 2•6	hr 71•8		
Hour G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	2 3-24	0-24		

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

RAINFALL

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

391. VALENTIA OBSERVATORY: H_T (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_T (height of receiving surface above ground) = 9·1 metres + 0·5 metre

MARCH, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day	17300	man.	mm	mm	mm	mm	mm	mm	mm	mm	mra	mm	mm	mm	mm	mm	mm	mm	mm	mn	mm	nm	mm.	mm	mm	hr	mm/hr
1	•••	•••	• • • •		• • • •	•2	•7	1.8	2.0	•8	•1	-9†	•••	•••	•••	•••	•••	•••					•1		6•6	4.6	12
2		•••		•••	1	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••		•••			•1	•9†	1.0	1.1	10
3	1.9	•2	-6	•••	•1	•••	•••	• • •	-5†	•3	•1	•••	•••	•••	•••	•••	•••	•••	•2	•••	•1	•••	•••	•••	4.0	1.9	25
5	2.0+	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•1	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	1.5	3-81	4.1	9•5	2.2	41
ľ	2-01	•••	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	2.0	0.8	20
6	•••	•••	•••			•••				•••						•••					•••						
7 1	•••	•••	•••	•••	•••	•••	•••	•••	• • •	• • •	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••			• • •		• • • •	
8	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		• • •	
9	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••		• • •	•.••	•••	•••	•••		•••	
10	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	• • •
11	•••	•••					l				l	l												• • •	l		l
12	•••	•••								• • •				•••		•••										•••	
13	•••	•••	• • • •			• • •	•••	•••		• • •	•••	•••	• • •		•••	•••		•••		•••	•••	•••		•••		•••	
14	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••		•••		l		
15	•••	• • •	•••	•••	•1	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•5	•3	•7	•3	•£	•9†	•5	1.4	•6	5•5	8 - 7	5
16		•1	•3	•6	•£		٠2		•2	•6				• • •	•4	2-71	1.7	•7	1.0	1•3					0.0	9.0	11
17	•••					:::				•••				•••	•••	~		, ,		1.0	•••	·i	٠.2	•1	0-4	9•0 2•1	4
18	•1	•3	•1	•••						•••		•2	•1	•••	•••								•••		0.8	2.4	3
19	•••		•••		•••		•••	(\cdots)	(•••)	(•1)	()	•••			•••					•••	•••		•••	•••	0.1	•••	
20	• •,•	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••		•••		•••	•••		•1	•2	0•3	0•9	•••
21			l		1							•3	1-1	•8	1-5+	•2									2.0	3•6	_
22			-6				·i	7†	1.4	•3	•8	•2		1 1		•7	•••	•••	•••	•••	•••	•••	•••	•••	3•9 4•8	1.6	5 68
23			1.6	2-31	•2	1	l			•••	l	l i		•3	•••					•••	•••	•••		•••	4.6	2.7	10
24	•••								•4	•3	•4	·i						:::		•••	•••	•••		•••	1.2	2.3	1
25												l i			•••												
				1		1															***	***		***			
26	• • •	•••		•••	• • •	•••	•••	• • •	•••	•••	•••	•••	• • • •	•••	•••	•••		•••		•••	•••	•••	•••	•••		•••	
27	• • •	• • •	•••	•••	• • •	•••	•••	•••	•••	•••		•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	,		•••	ļ	• • •	
28	•••	•••	•••	•••	• • •	• • •	• • •	•••	•••	•••	·•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		• • •	•••
29 30	•••		•••	•••	•••	•••	• • • •	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	····	•••	• • •
30	•••		•••	•••	•••	 • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	• • •
31	•••	•••	•••	•••	•••	<u> </u>	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•1	•••	•••	•1	•3	•2	•3	1.0	2-2	4
Sum	4•0	0-6	3.2	2•9	0•6	0.2	1.0	2.5	4•5	2•4	1.5	1.7	1-4	1.1	1.9	4.1	2•0	1•5	1•5	1•5	1.1	2-4	5•9	<u>6•2</u>	55 • 7	46•2	
Total Dura- tion	hr 2•4	hr 1•4	hr 2•0	hr 1.8	hr 1.1	hr 0•2	hr 1•5	hr 1•1	hr 2•7	hr 2•0	hr 1•7	hr 1•2	hr 1•3	hr 1•3	hr 2•0	hr 2•1	hr 2•0	hr 2•2	hr 1•9	hr 2•0	hr 1•4	hr 1•6	hr 4•3	hr <u>5•0</u>	hr 46•2		

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

392. VALENTIA OBSERVATORY: $H_r = 9.1$ metres + 0.5 metre

APRIL, 1935

i I		mm ·	mm	mm.	mm.	mm	10000	mm	mm	mm	mm	mm '	mm	imm	mm	1000	mm	1000	mm	men	mm	mm	mm	man	mm	hr	mm/hr
ž l	-2	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	0.2	0-8	•••
3						•••	••••	•••	•••	• • • •	•••		•••	•••	•••	•••	•••		:::	•••	•••	•••			:::	:::	:::
4	•••	-11	•3	•2	•••	•2	•2	•••	•1	•••	•1	1.14	•••	••••	•••	•••	•2	•••	•••	•••	•••	•••	•••	•••	1•4 1•5	1•2 • 0•3	14 28
5	•••	•••	.***	• • • •	•••	•••	•••	•••	•1	•••	•••	1.14	•3	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	1.3	0-3	
6	•••	•••	••••	•1		•••		•1	•1	•••	•••	•3	1.9	2•6	2•3	2•6	3•5†	•••	•••	•••	•••	•••	•••	•••	13·5 1·5	5.6	24 15
8		1.1		• • • •		•2	•7†	•1	•7	•••	•••	• • • •	•••	•••	3.	1.3	2.0	1.7+		•4	1.3	•••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	8-2	0•8 4•6	24
9	•••			•••			•••	•••		•••	•••	•••	•1	•••	•5	1.6	2.2	2.4	1.0	2.0	1.81	•2	•1	•4	12•3	6.9	25
10	•••	•1	•1	1.24	••••	•1	•••	•1		•••	•••	•••	•••	•••	•••	•••	•5	1.1	•7	•2	•••	•••	•1	•••	. 4•2	2.4	49
11	•••	•1		•••		•••	•4†			•••			•••			• • •	•••			•••	•••				0•5	0•4	12
12 13	•••	• • • •	•4	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•2	•••	•2+	•••	•••	•2	•••	•2	4•3†	1.7	6•0 1•3	1.6 0.8	23 13
14	•6	•6	•8	2.01	1.9	•2	·i	•1	•2	•••	•••		•2	•••		•••	•••	•••		• • •	•••		•••	•••	6.7	3.2	22
15	•2	•2	1.0+	• • • •	•1	•••	•••	•••	•1	•••	•••	•••	. • • •	•••	• • • •	•••	•••		•4	•••	•4	•6	•••	•••	3•0	1.4	13
16	•3		•3			-8			•5	•2	•1	•9	•9	1-4	-61	•2	•3	-1		•4	•2	•5		•5	8-2	3∙€	30
17	•2	-4	•6	•••	•3	1-41	•1	•••	•••	•2	•••	•9	•••	•••	••••	•••	•••		•••	•••	•••	•••	•••	•••	4.1	1.7	41
18 19	•3	•••	•2	•9	1.6	-8	•7	•3	***	•••	•••	• • • • •	•••	•7†	•6	•••	• • • •	•2	1.91	•4	•••	•3	•2	•8 •1	8·1 3·2	6•7 1•8	24 32
20	•3	1-21	•••	•••	•••	•••	•••	•••	••••	•••	•••		•••	•••	•••	•••	•• 3		•••	•2	•7	•••		•••	2•4	1.6	5
21				•••							•••		• • •				•2				•••	-2+			0•4	0.2	6
22		•••	• 7	•••	•••	•••	•••	•••	2-21	•4	•1	•••	•2	•7	•1	•1	•1		•2	•4		•2		•1	5.5	2.0	20
23	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•1	•••	•••	0.1	0.1	•••
24 25		•••	•••	•••	•••	• • • • • • • • • • • • • • • • • • • •	•••	•••		•••	•••	•••	•••	•••		•••	•••	• • • • • • • • • • • • • • • • • • • •	•••	•••	•••	•••	•••	•••	:::	•••	:::
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26 27	• • •	•••	• • • •	•••		:::	•••	•••		•••	•••		•••	•••	•••	•••	•••		:::	•••	•••	•••	(<u>a</u>)	(م)	•••	:::	
28	(a)	(<u>a</u>)	(a)	(•1)	(<u>a</u>)	(a)	(a)	(a)	•••	•••	•••	•••	•••	•••	•••	•••	•••				•••	•••	(<u>a</u>)	(<u>a</u>)	0.1	•••	
29 30	(a)	(<u>a</u>)	(•1)	(a)	·(a)	(<u>a</u>)	(a)	(<u>a</u>)	•••	•••	•••	•••	3.0	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	0·1 2·3	2•4	•••
, 30	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	1.2	•8	•••	•••	•2	•••	•••	•••	•••	•••	•1	•••	2-3	2-4	7
Sum	2•1	3•8	4.5	4.5	4-0	3•7	2.2	0•7	4.0	0•8	0•3	3•2	4.8	6•2	4.5	5•8	9•4	5-6	5•4	4.2	4•4	2•3	4.8	3-6	94•8	50•1	
Total						 	-																 . 	 		<u> </u>	
Dura- tion	hr 2•2	hr 1.8	hr 2•4	hr 1.9	hr 2-1	hr 2-3	hr 2•0	hr 1.1	hr 1.9	hr 0•3	hr 0•3	hr 0•9	hr 2•5	hr 3•0	hr 2•5	hr 3•2	hr <u>4•5</u>	hr 2•6	hr 3•1	hr 2•7	hr 2•1	hr 1•2	hr 1•9	hr 1.6	hr 50•1		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

RAINFALL

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

393. VALENTIA OBSERVATORY: H. (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h. (height of receiving surface above ground) = 9·1 metres + 0·5 metre

MAY, 1935

																									•	1900	
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day	mm	-	1800	MEA.	1000	3803	MAD	200	780	1900	man.	mm.	mm	mm	ma	mm	mm	7400	1200	HER.	11m	mm	mm.	mm	mm	hr	ma/hr
li	•••	•••	•••	:::	•••		•••	•••	•••	•••	•••	•••	•::	0-04	•••	•••	;::		•••		•••	•••	•••	•••	33.0		
2 3	. •2	•:1	•3	1.5 3.3†	1.7	•2	•3	•••	•2	•••	•2	1.0	•5 •2	2-01	-7	•2	1.4	2-4	•7	1·1 •1	•2			•••	11.9 7.8	9·2 5·7	39 16
4	•••			3-31	1		•••	•••	•••					•••		-4	·i		-51	•1					i.i	2•7	7
5	•••			•••			•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
			1														_										
6 7	•••	•••	•••	•••			•••	• • • • • • • • • • • • • • • • • • • •	•••	•••	• 2	•2		•1	·i	•••	•••		•••		•	• • • • • • • • • • • • • • • • • • • •	•••	• • • • • • • • • • • • • • • • • • • •	0.6	0.7	1 ***
8	•••			•••	:::									•••						•••							1
9	•••	•••		•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	••••	•••	• • • •
10	•••	•••.	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••
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12	•••	:::	:::	:::	:::			•••	•••					•••	•••				•••	•••	•••	•••	•••	•••			
13	• • •			• • • •	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • .	•••	•••	•••	•••	•••	•••	
14 15	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	·i	·i	i	•••	•••	•••	•••	•••	•••		0.3	0.4	• • • •
15	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	***		-		_	***	•••	•••	•••	•••	•••		ı "	0 2	***
16	• • •						•••	• • •	•••	• • • •		, •••		•••	• • • •	•••	•••		•••	•••	•7†		•••	•••	0.7	3.0	23
17	•••	-2	•3	-9	•5	•••	1.0+	•••	•••	•••	•••	••••	•••	• • • •	•••	•••	•••	• • • •	•••	••••	•••	•••	•••	•••	2.9	3•0	8
18 19	-8	•3	-6	•2	:::	•••	•1	• • • •	•••					•4	•••				•2	• • • • • • • • • • • • • • • • • • • •		1.2+	•3	•1	4.2	2.0	20
20		•3						•••	1.01		•4	•5		•••		-6	•7	•1	•2	1.1				•••	4.9	2.7	ıï
	+*		1		ŀ						Ì	ĺ					•						ł				
21	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
22 23	• • • •				• • • •		•••	•••	•••	•••		:::		•••	• • •						• • • •			•••			 :::
24	•••			•••			•••	•••		•••				•••	•••			•••		•••			•••	•••	•••	•••	
25	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••		•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	. •••	•••	•••
90			1										,				l										l
26 27	•••	•••		:::	•••		•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	• • • •	•••	
28	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••.	•••	•••	
29	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
30	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••
31	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••
Sum	1.0	0-9	1.2	5-9	2•4	0.2	1•4	•••	1.2	•••	1•5	1-8	0•7	2•5	0-9	1•3	2•3	2-5	1-6	2•4	1.1	1-2	0•3	0-1	34•4	26-6	
Total Dura- tion	hr 0•7	hr 0•7	hr 0•9	hr 2•6	hr 2•6	hr 0•7	hr 1•1	hr	hr 0•6	hr	hr 1•5	hr 1.6	hr 0•5	hr 1•0	hr 0•9	hr 2-1	hr 2-5	hr 1.1	hr 1•8	hr 1•7	hr 1•4	hr 0•3	hr 0•2	hr 0•1	hr 26•6		

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

394. VALENTIA OBSERVATORY: Hr = 9.1 metres + 0.5 metre

JUNE, 1935

294	z. v.	WINDHT.	IA OD	DERIVA	TOUT:	~T	7 -	Me cr. e	<u> </u>	, me											·		,				
Day 1 2 3 4 5	mm 2 · 7 · · 7	**************************************	IMPR	nom.	mm	**************************************	•6 •4	mm 1.9 .6	mm1 1.4	mm • 5 • 2	mm •6	mm	mm 4-2† 1-9†	•8 •5	*8 2•3† 1•0 •4	1.6† .8	**************************************	•1	•3	*3	•3	1.5 .2	• 3	•3	mm 5·2 7·3 10·2 8·8 0·2	hr 3·1 2·5 4·7 5·7 0·1	/hr 18 63 58 41 8
6 7 8 9 10	·3 ·2 ·6	•4 ••• ••• •3	•8	•9	1.1 1.9 	3.2	1.9	•7 •1 ···	•••	•3	•••	•••	•5	1.3	3-8	3-71	1.7	1-6	•5† •3	••• ••5 1•0	•5	•9 ••• •7 •7	1-8†	-8† 1-7 -1	11.7 4.5 0.2 5.9 16.8	7•8 2•1 0•1 4•9 12•1	20 23 2 31 15
11 12 13 14 15	•2	•6 •6 •3 •5	•5 •1 •1 •5	•3	•2 ••1	•2	•8 •3†	•2	•1	•••	•••	•3	•2	-3 4-0†	1.2	•7	··· ·1 ···	•1 •6 1•5 •1	3-1† -4 -6†	•5	•1 •1 •••	•••	1.7	•3 •4 •6†	8.6 2.3 10.4 1.6 1.8	5.5 1.0 4.9 3.1 0.4	81 16 40 14 23
16 17 18 19 20	•1	•1 2•0	••• •5 3•4†	5-9† -4	•6 •1	•1	•1	··· ··· ·1	•3 •1† 2•2	•2 •1 1•3	6 • 2	5•3	1.6† 1.5	•2	•••	•2	•••	•2	•7	i:i :::	1:0	i·2 ·i	•4	•2 •2 •6	8•0	7•2 0•7 11•4 5•4	9 6 70 68
21 22 23 24 25	•7 1•5	•4 •5 •••	1.0 1.1 	•8 •4 •••	•2 •6	•8	3-4	4-9+	5.0	1-8	•4	1.6	•••	•••	•••	•••	•6†	•••	•••	•••	•••	•••	2.81	4-8	10•7 22•0 •••	5.5 10.7 0.2	15 21 10
26 27 28 29 30	•••	•••	•2	•1	•••	•••	1.0	6-6	4.3	•5	2•2	10-21	4-6	1.0	•8	1.6	1.5	•7	1.0	1.0	•7	•2	•••	•••	0•3	15•3 ••• 1•0 •••	45
Sum	8-2	6-4	8-4	9-9	5-9	5•3	8•5	15-1	13•5	4-9	9•6	17-7	14•5	8•4	10•3	9-1	6-1	4.9	6-9	4-4	3•4	5•5	10•3	10-0	207•2	115-4	
fotal Dura- tion	hr 5 • 5	hr 7-0	hr 8•1	hr 6•5	hr 6•2	hr 3•2	hr 6-4	hr 6•1	hr 4•8	hr 4•3	hr 3•0	hr 2•4	hr 4•1	hr 4-5	hr 4•2	hr 3•6	hr 3•1	hr 4•1	hr 4•3	hr 4•2	hr 4•3	hr 5•1	hr 6•0	hr 4•4	hr 115•4		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

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

RAINFALL

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

395. VALENTIA OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre

JULY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day 1	-	•2	**** ***	100	**************************************	333	300	-	100	336A	•••		2020A	18ED	mm · · ·	3300 	nm -1	mm.	mm ••••	mm •••	mm	mm •••	mm •1	mm	mm 0•2 0•4	hr 0.5 1.3	mm/hr
3 4 5	···	 •i	 ::i	 	•••	•••	•••	•••	•1	•1	•1	•1	•••	•••	•••	•••		•••	•••	•••	·1 ·1	•••	···	··· ·1 ·2	0•5 0•2 0•7	0.8 1.1 3.7	::: :::
6 7 8	•2	•••	-1		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	0•3	0•7	
ນ້	•••	•••	•••	:::	•••	•••	•••	•••	•••	•1	2•7	-8	•2	•1	•1	•••	•2	•2	•3	•1	1-8†	•3	•2	•1	7.2	8•0	
11 12 13 14 15	•••	•3	-9t	• 7	•••	•••	•4	9	1.0	• • • • • • • • • • • • • • • • • • • •	•3	··· ·i	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	3•4 2•6	4•4 2•3	 1 8
16 17 18 19 20	··· ·· · · · · · · · · · · · · · · · ·	•1 •8† •1	••• •1 •8 •1†	•1 ••• •3	·1 ·1 ·9 ·1	1.5 -1	•••	•2	•••	•1	•••	•3†	•••	•••	•••	•••	•2	 :i	•3	•3	•2	 :i	•••	•2 •5	0.5 0.1 1.6 6.3 0.3	0-8 0-4 2-0 7-3 0-3	1 14 9 10
21 22 23 24 25	•••	•••	•••	•••	•••	•••	•••	·1 	1-6†	2-4	2-1	•2	·1	•••	•••	•1	•••	•••	•••	-6	•••	•••	·1	•1 •••	6•8 0•6	7•1 0•4	10 2
26 27 28 29 30	··· ··· ···	•1	:1	·1 ·1 ··	:1	•3	•2 •1 ••	•••	·1 ·1 ··	•••	•••	•4	•2	•••	•••	•••	•••	•••	•3	•2	···	··· ·1 ···	·1 	·1 ·1 ···	0.8 1.8 0.6	1•7 6•5 3•5	2
Sum	0•7	1.7	2•3	1-4	2.1	1.9	1-6	1.2	2•9	3•3	5-3	1.9	0-5	0-1	0-1	0.1	0-5	0•3	0-9	1.2	2•3	0•6	0+6	1•4	34•9	5 2•8	•••
Total Dura- tion	hr 3•0	hr 4-4	hr 4.9	hr 3-8	hr 2•8	hr 2•1	hr 2•5	hr 1•5	hr 2•7	hr 2•4	hr 2•8	hr 2•7	hr 2•3	hr 0•5	hr 0•6	hr 0•6	hr 0•6	hr 0•6	hr 1•2	hr 1•2	hr 1•8	hr 1•6	hr 2•3	hr 3•9	hr 52•8		

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

396. VALENTIA OBSERVATORY: Hr = 9.1 metres + 0.5 metre

AUGUST, 1935

<u> </u>																				,						·	
Day	-	-	non l	mm.	mm	mm.	mm	pages	mm	MWD.	ma	17000	1000	mm.	1888	mm	iten	1000	mm	mm	mm	mam	mm	mm	mm	hr	mm/hr
li	•••	•••		•••	• • •	• • • •		•••	•••	•••	•••	•••	•••		• • • •	•••	• • • •	•••		•••	•••				1		
2	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	• • • •		
3	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	• • • •	•••	•••			1 :::	l ··; l
5	- 74	•••	•••	•••	•2	•••	•1	()	(·i)	/:\	•••	•••	•••	•••	•••	•2	•••	• • • •	•••	• • • •	•••	•••	•3	-3	0.8	1.9 2.6	1 5
°	•71	•6	•••	•••	- ~	•••	-1	(33.5)	(-1)	()	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••		1.7	~~	"
6																				١	()	()	(-1)	()	0-1	l	l I
7	(•••)	(·1)	(•••)	(•••)	•••					•••						•••			:::		·′	` •1′	•4	·′	0.6	0-9	l i
8	•51	•1		`•8	2.8	1.8	1.0			•••	•••					•••									7.0	3-4	16
9		•••				•••	•••					•••				•••	•••		 	•••			• • • •				l l
10	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	• • •	•••			•••		• • • •	•••	•2	0.5	0-3	1
١., ١						٠		'				!		\ \ \			۱ _			_	١ ـ	_			l.,		١
111	*4	•••	•3	•1	•••	•••	•••	•••	•••	•••	-8	1.1	•2	•••	•3	•••	•7	2-31	2-6	-6	•3	•5	•2	•4	11.4	9•3	14
12 13	3.01	•••	•••	•••	•3	•••	•••	••••	•••	•••	• • •	•••	•••	•••	•••	•••	•••		•••	• • • •	•••	•••	•••	• • • •	3.3	1.7	19
14	·i	•••	•••	• • •	•••			•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•1	•••	•••	•••	-21	•••	•••	0.3	0-3	1 1
15		•••		•••	•••		•2	•3	• • • •	•••	• • •	• • • •	•••		•••	• • •	•••	•••	i	•2	7†	•2	-8	•3	2.8	5.0	l ii l
-	***	•••					~		•••	•••	•••	•••	•••	***	•••	•••	***	•••	_	~	1	~	0	"	~ ~	١٠٠	I
16	l l	•••	1-21	-4	•5	•2	-8	•1				•••				•••			-1	-2					3•5	5-1	11
17		•••		•1	-1	1-0	1-41			•••	•••	•••	•••	•1	•4	•••			•••	•1	•1	•1	•••		3•4	3-9	37
18	•1	•••	•••	•••	•••		•••		•••	•••	•••		••••		•••	•••	• • • •	•••		•1		•••			0-2	0•3	2
19	•••	•••	•••	•3	•6	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••		•••	•••			•1	•1	•••	1.1	2•7	3
20	•1	•1	•1	-2	•3	•3	•1	-2	•1	•••	•••	•••	•••	•••	•••	•••	•••	-1+	•9	•4	•4	•1	•••	•••	3•4	10-2	5
21		- 7	6.04	1.0		l		•					ĺ		·				l	ļ	ļ	1		ļ	30.3		124
22	•••	•7	8-21	1.2	•••	•••	•••	•••	•••	•••	•2	-81	1.3	•••	•••		1.7	• • • •	***	4.0	2.0	1.7	•••	1	10·1 15·3	2•1 7•6	26
23	•••	•••	•••	•••	• • •	•••		•2	•3	• • •		•1		•••	•1			3.1	1.5	4.2	3•2	1.7	•4	• 7	7.7	2.7	68
24	•••	•3	-2	·i	•••		1.8+	l	•••	•••	• • •		•••	• • • •		•••	•••	3-1	1.0					l	2-4	0-9	18
25		•••					1			•••											:::	:::					
					```												'			***		***		***		1	li
26	•••	•4		•••	•••		•4	2.4	1.5	-9	1.6	1.8	3-6†	•2	•••	•••	•••	•••	•5	•••			•••	-4	13-7	7•9	20
27	•2	•••	•••	3-3	-7	•••	-3	•1	•••	• • •	2-9	•1	•••	•1	•••	•7	•••	••••	•1	•4	•7	•••	•2	5-21	15-0	3•4	68
28	1.5	1.5	•9	1.0	1.0	1.3	-7	•2	•1	• • • •	•••	•••	2-61	-7	•••	•1	•••	• • • •	•2	•••	•••	•••	•••	••••	11.8	6-0	68
29	•••	•••	•3	•7	•••	•••	•••	•••	-61	•••	•1	•••	•••	•••	•••	•••	•8	•••	•••	•••	•••	•••	•••	•••	2-5	0.6	35
30	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	l l
31	•••	•••		•••	•••			•••	•••	•••	•••	•••	•••	•••	•••	1.1+	•••	•••	•••	•••	•••	•••	•••	•••	1.1	0-1	68
Sum	6-6	3•8	11-8	8-2	6-5	4-6	6-8	3•5	2•7	0-9	5-6	3•9	7-7	1.1	0•8	3•0	3•2	6-6	6•9	6•4	5•9	3.6	2•5	7•5	119•5	79•1	
Total	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		
Dura- tion	4.2	3•3	3•7	6-9	6-6	3•6	4.3	3•6	1.9	1.0	2-3	2.7	1.9	0-8	1.0	1.1	1•6	2•6	5•5	4.4	4-9	3-8	4-3	3•1	79-1	<u> </u>	
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	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		

RAINFALL

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

397. VALENTIA OBSERVATORY: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 9.1 metres + 0.5 metre

SEPTEMBER, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0=24	Dura- tion 0-24	Max Rate
Day 1 2 3 4 5	1-1+		•1	mm	mm 2.5	*2	mm •1	mm -1	mm 1•1	mm 1.5†	*8 •3 •8†	mm •2 ••5 ••9	mm •1 •••	1000 • • • • • • • • • • • • • • • • • •	mm ·1 ·9	mm •6†	1.0	mm 1.4		mm •2	mm	mm	mm	mm 1-5†	3.9 5.4 1.1 4.5 2.0	hr 3.5 1.5 0.2 2.2 2.2	mm/hr 5 54 26 26 5
6 7 8 9 10	•••	•••	•••	•••	•••	•••	•••	•••	•3	···	•2	··· ·7 1·0	1.8	5·1 2·9	3-1† -9	•2	·::	•••	1.8	• • • • • • • • • • • • • • • • • • • •	1.84	•6 •8	1.1† •3	i.o	11·1 2·7 13·6	4.0 2.9 8.6	22 6 20
11 12 13 14 15	···	•2	•7	•2	•6	•2 •3 •5	-1  1-9	•5	•6 1•4	•2	•1	-2 1-3† 1-5	•2	•••	1.7†	•1 •6 •••	1.9†	1.4	·1 ···	···	1.61	•••	3·4† •6 •7	•3	2·2 5·2 3·9 3·6 10·1	2.2 2.9 0.6 1.4 3.2	64 21 76 94 77
16 17 18 19 20	1·2† •6	•7 ••• 1•3†	•1 ••2	• • •	•4	•1	•••	···	•1 •1†	•••	1·3 ·2 ·1 ···	1.6	2.5	3•5 ••1	2.5 .3 .5	1.4 .8† .7	1·1 ·1 1·9 ···	4•3† •1 •4 •••	•1 •2 ···	•3	•1 2•5	•2	•3	•4 •2 •2	19-2 2-3 8-7 0-5 2-1	7*1 0*9 6*9 0*5 2*7	59 44 34 10 19
21 22 23 24 25	•1	•2	•1	•1	···	1.2+	•9 ••• •1	1·1 5·6† ·1	•3 1•1 •1	•••	•4	•6	•8	•1	•8	•4	•7	1.3	.2	•9	1.6	•••	•5	1.81	3.5 8.9 8.8 1.1	3.8 1.7 8.3 8.7	5 67 22 1
26 27 28 29 30	•5	•6	•2	•9	•7 •1 •1	•9	2•0 •3† •9†	1.6	1-8+	•8	•4	3•0 8	*6  3*5	1.9+ -1	•6	•••	•••	•1		1.3	1.3	1.0	•1	••• ••1 ••1	12.2 0.1 2.1 11.9 5.0	12•0 0•3 3•7 5•5 2•0	25 8 23 43
Sum	3•6	3•7	1-7	2-1	4.6	4•0	6•3	9•1	7•0	2.9	5•8	13•2	11-4	14-3	11.7	6•6	6•9	9•5	2•6	3•6	8-9	3•0	7.1	6.1	155•7	99•5	
Total Dura- tion	hr 3.2	hr 3.6	hr 3•6	hr 2•9	hr 3•5	hr 4•7	hr 4.0	hr 4•2	hr 5•9	hr 2•7	hr 5•1	hr 6•5	hr 5•8	hr 5•2	hr 6•0	hr 4•2	hr 4•5	hr 5•1	hr 2•6	hr 2•5	hr 3•8	hr 2•8	hr 3•2	hr 3•9	hr 99•5		

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

398. VALENTIA OBSERVATORY: Hr = 9.1 metres + 0.5 metre

OCTOBER, 1935

75																						·					لسيسم
Day 1 2 3 4 5	mm • 2 • 1	•6 •7† •2 •8	•7 2•9	mm •2 2•1 ••• 1•7 •1	•£ •7 ••9	*3 *5	mm	mm	mm	mm	mm •3	mm •4	mm •2 •1 ••• 3•1†	mm •9† 1•1 •1	•1	mm •6	mm 2-1†	mm	mm 1·3 1·7 1·2	mm •2	mm1	 •1 •6	mm •4	mm •1 •3	mm 3.5 13.1 1.0 13.0 3.8	hr 1.8 5.4 0.3 4.6 1.4	mm/hr 84 51 14 44 36
6 7 8 9 10	•3	•1	•8 •5	•7	•1 •8 •2	1.0	··· ·2 ·1	••• ••1 ••5	··· ·3 ·1	··· ·1 ·2	•1 •4† •2	•5† •2	•5	•1 •4 1•5	•3 ••2 2•2	1.3	1.4	1.0	1·3 •2 •6†	•6 •1 •2	2-21	2.3	•1 •2 ••	 .2 1.2	1.9 7.5 4.2 12.1 3.9	1.3 4.7 2.0 12.4 1.9	18 29 56 17 24
11 12 13 14 15	·1 ·1 ··· ···	•21	•••	*9t	··· ·2 ·1	•3	• 2	  	  	·1 ·2 ···	•3	1.0 1.1	··· ·9 ·1	-6†	•2	•••	•••	•1	•••	•2	 	•1		•••	1.0 0.4 3.8 	0.2 0.4 4.9  7.5	52 14 10
16 17 18 19 20	•••	  	1.5	•5	•6	•2 ••• •••	•2	•1 ••• •1 1•9†	 •3 •1	• 2 • 4	•4 •1		•3	•••	•••	•5†	•••	•3	•8	1.5†	··· •2 •4 •2	•••	•••	·:1 ···	0.5 0.1 2.6 2.1 6.3	2.6 0.3 1.7 1.2 2.5	2 32 20 46
21 22 23 24 25	····	•••	•1 1•0†	•••	··· ·1 ··1	·3 1·9 ·1	1.0	•5 •1 2•0	•7 •8 •3	1·2 	•1 2•4† •2	i·i 	•1 •3 ···	•3	•8 •7 •8	•7† 1•5 •1	•3 2•2	1.0	•1 •5 •4†	•2 •2	•1 •1	··· •2 •3 •2		2.3	4·1 12·4 7·0 4·1 0·6	6.8 11.5 5.8 2.4 1.4	11 13 28 42 3
26 27 28 29 30		•••	•••	1-2		•3	•2	•••	•2	•1	•1	•••	•••	•3	•3	•2 2•7†	1.3	• 7	1.77	•1	··· •4 •1	···	•3	-2	3•9 7•0	2•8 3•6	27 69
31	•••	•••	•••	•••	•2	•••	•1	•••	•••	•••	•••	•••	•••	•••	•2	•2	•••	•6†	•••	•••	•••	•••	•••	•••	1.3	0•6	19
Sum	1•0	3•1	7•5	7•5	4.2	6•6	2•4	5•4	3•4	2•6	5•4	5•6	5•9	5•4	6•0	8•4	7•3	5•1	10•2	3•5	4.1	5•6	2•2	4•4	122-8	92•0	
Total Dura- tion.	hr 2•2	hr 1•4	hr 3•6	hr 3•4	hr 4·1	hr <u>6•5</u>	hr 5•5	hr 5•7	hr 5•5	hr 2•3	hr 3•1	hr 3•7	hr 3•7	hr 3•3	hr 4•1	hr 4•5	hr 3•5	hr 3•8	hr 5·3	hr 3•4	hr 3•6	hr 4•9	hr 2•2	hr 2•3	hr 92•0		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

RAINFALL

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

399. VALENTIA OBSERVATORY: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 9.1 metres + 0.5 metre.

NOVEMBER, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max Rate
Day 1 2 3 4 5	### ••• ••• 4•1†	mm •1 •3 1•2	mm •3 •5 •9 1•2	mm •6 3•6 ••4 3•5†	mm •1 •1 •••	mm 1.6 .2 2.5	mm •4 ••• 6•4†	mm 1.4† 3.9 .1	mm •7 •9† 1•6 •4	mm •1 •••	mm •1 •8 •••	•2 •6 •2	mm •1 •2	mm •1	1·1 ·7	mm 1•4 •3	3.0 1.4 .6	mm • 2 • 5 • 5	mm •6 •6 1•0	mm 1.6 1.6	**************************************	mm •1 •••	•1	mm -7 -3	mm 13.6 7.4 21.1 7.9 8.8	hr 4.1 2.7 6.3 3.7 3.2	mm/hr 72 43 37 18 54
6 7 8 9 10	•5 ••• •••	1.3†	•1 ••• •1 •4	1•4† •1 •9 •7	•7	•2 4•4 •7† 1•2	2.5	··· ·· · · · · · · · · · · · · · · · ·	1.9	•3 •6 •6	::i :::	•1 •2 •2	•••	•••	•2	3.2	•9	2.0 .1	•1 3•4† 3•5 •2	•1 2•0 2•0† 	•4 •1 •••	•••	•9 •7 •1	•1 •5	4•6 18•0 8•5 6•4 8•0	1.9 4.7 3.5 3.1 2.9	43 63 24 34 75
11 12 13 14 15	•2 •3 •3	 .7 3.1†	1·2 •3		•8		•••		•8 •4 ••• •7†	2·3 ·9† ( ·4)	1.3	4·3  ( ·2)	4·0 •5	3·1 ·1 ·1 ··-	2.6	1·4 ·4 ·1 ( ·3)	1·9†  ( ·7)	·2 ·1 ·2 ·:: ( ·1)	 •7 1•2 (•3)	•9 •3 •1 1•1	·1 ···· ( ·4)	·1 ·1 ·1	•5† •1 •3	 •1 1•6	21.7 4.3 5.2 7.7 5.6	8.5 1.5 2.7 2.3 3.4	25 31 30 53 27
16 17 18 19 20	•2 •2 ••	•7	··· ·1 ·3	•6† •5 •5	•3 •1† •3 •1	1·1 1·7	·1 ·1 2·4	2.5 1.9	1·1 ·8 1·0	2.0 1.81 3.01	•9	•••	• 7	•1	•••	•7	•5	•2 •1	1·7 ·8	1.6	•2 •5	•3	•••	•6 •1	5.7 12.8 0.1 14.6 1.5	3.0 3.4 0.1 8.7 0.7	24 44 5 71 25
21 22 23 24 25	•••	•••	•••	•••	•••	•1 ••• •••	•••	•••	•••	•••	•••	•••	•••	  i	•••	•••	•••		•2	  		···		•3	0•1   0•8	0.2	4
26 27 28 29 30	1-4	··· •2 1•3	•1	•2 •1 2•0†	•3†	:::5	··· ··· ···	•1	•: •1 •3 •3	•2 1•5	•••	•1	•1 •1 ••• 1•1	•4 ••2 ••2	•7	•9	•2 1•1†	•2	•1 •7 •1	2.1	1.5†	1.1	•1 •3†	1.3	2•1 9•4 1•7 2•5 10•6	1.6 9.7 4.4 1.9 4.4	15 14 12 34 48
Sum	9•2	9-2	5-9	15•9	3•9	14-2	14•8	11.0	11•0	13•8	3•0	6-8	6•8	6-9	7•1	8•9	10•7	4•6	16-2	15•2	3•4	2•5	3•1	6•6	210•7	93-8	
Total Dura- tion	hr 4•6	hr 5•2	hr 5•2	hr 5•2	hr 2•4	hr 4•8	hr 4.0	hr 3•3	hr 5•1	hr 5•3	hr 2•4	hr 2•3	hr 2•9	hr 4.0	hr 3•9	hr 4•1	hr 4-2	hr 3•8	hr 5•9	hr 5-9	hr 2•2	hr 1•9	hr 1•9	hr 3•3	hr 93•8		

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

400. VALENTIA OBSERVATORY:  $H_r = 9.1$  metres + 0.5 metre

DECEMBER, 1935

					·	,													<b>,</b>	·		<del>,</del>	<del>,</del>				
Day 1 2 3 4 5	•5 •1	•5 •3	•2 1•2 ••1	•9 •3 1•4	1.3 .4 .3	mm 1.0 .2 2.4† 1.5†	mm •8 •1 •3	1.8	mm • 2 • 7	mum ••• •5 •2 •2	mm •8† •7	mm -4 -6 -4	•3† •4 •5	•1 •1	mm •5 •2	mm • 2 • 2	mm -3 -1	mm •9	mm • 7 • 2 • 5 • 7 • 2	**************************************	mm •3	mm •1 •2 •6	mm •4 •2 •4 1•3	*2	mm 8•1 3•5 12•3 6•3 3•4	hr 5.8 1.2 8.7 2.9 2.4	mm/hr 51 27 23 18 16
6 7 8 9 10	1.8	3.0	•1	•2	•••	•••	·1	•71	•7 •1 ···	•8	•2	•1 •5 ···	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	7•5 0•6 ••• 0•2	2•9 0•6 ••• 0•2	42 2  2
11 12 13 14 15	· · · · · · · · · · · · · · · · · · ·	•••	···	•1	•••	•••	•2	···	1•4 •3	1.7 -5†	2·2†	1.4	··· ·· ·· ·· ·1	•••	···	  	•••	•••	•2	•••	•••	•••	•4	•2	8.0 2.2	5.7 1.4	 12 20
16 17 18 19 20	•••	•••	•1	•••	-21	-1	•••	 •1 	 •i		•1	··· •2 •1	•2	•••	•••	•••	•••	•••	•••	•••		···	··· (L)		0•4 1•4 0•3	0·3 2·5 1·3	 3 
21 22 23 24 25	] ::: :::	1.2	( ·1) ··· ·5	(L) :::	(L) 1·1	( <b>L</b> )	(山)  .5 .1	··· •2 •4	1·3†	···	•••	•••	•••		•9	•2	•••	•••	•••	···	•4	•3	•8 •6†	1.2	0·1 2·8 6·2 2·7	4.2 6.2 1.9	 4 14 30
26 27 28 29 30	•5† ••• ••• 1•2†	•2	•5 •2 •9	2-4	1.0† •1 5•3	•5 •2 4•6	·1  2·3	•2 1•7 •••	·1 ···	•4	•5	1•2 •8†	•6 1•1 •7	2•9	•2 ••• 4•8	•6  1•7	•2 ••• 1•3	•••	•1	•1	•••		•••		3.0 6.5 1.3 12.5 17.4	1.5 3.4 1.1 4.4 7.0	39 12 6 54 30
Sum	1•2 6•3	•8 6•0	1·0 5·0	6-7	89-7	10-8	5.1	•2 5•8	5•0	5.5	4.6	•6 6•6	4-6	1.5† 4.8	•1 6•8	•1 3•1	1.9	0.9	2•6	1.5	1.4	1.2	4.1	3•2	6•5 113•2	3•8 69•4	37
Total Dura- tion	hr 4•0	hr 3•2	hr 4•0	hr 4-4	hr 4•2	hr 4•1	hr 3•3	hr 3•6	hr 4•0	hr 4•2	hr 3•7	hr 4•8	hr 3•7	hr 1•7	hr 2•1	hr 1.8	hr 1.1	hr 0•5	hr 1•2	hr 0•6	hr 1•9	hr 1•8	hr 3•4	hr 2•1	hr 69•4	-	
Hour G.M.T	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

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

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401. VALENTIA OBSERVATORY:  $H_S$  (height of recorder above ground) = 12.8 metres

JAMUARY, 1935

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. Of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hir	hr	hr	*
1						•••	•••	•••	•••	•••	•••	• • • •	••••							
2			,				•••	•••	• • • •	••••	•••	•••	•1						0-1	1
3						•••	•••	•••	•••	• • • •	•••	• • • •	•••						•••	
4					·	•••	•4	•9	•8	-6	•7	•••	•••						3.4	43
5						••••	•••	•••	• • • •	.3	•••	•••	•••						0-3	4
6							•9	1.0	1.0	•9	-6	-8	-1						5•3	67
7		}					•1	-1	• • • •			•••	•••						0.2	3
8							•1	•5			• •1	• • • • •				1		]	0.7	9
9		`					•2			-1									0•3	4
10					·	,	•••	•••	•••		•••	•••	• • • •						•••	
n '								-1	•3	-5	-6	.2	]	]	]	1	]		1.7	21
11 12									• • • •										•••	
13									•••				· l	l				1	•••	
14							•1	•£	•1	•1		•••							0.5	6
15					•••	•••	•9	1.0	1.0	-8	•2	•••		•••					4-0	49
16											.1	-1							0•2	2
17						•••			•••					•••					•••	
1.8							1.0	1.0	1.0	•7	-4	•3	·i				-		4-5	54
19						•••		•••											•••	1
20																			•••	
							•											٠. ا		
21					•••	•••	•••	•••	•••	•••	•••	•••	•••	•••					•••	
22					•••	•••	•••	•••	•••	•••	•••	•••	•••	•••					•••	
23					•••	•••	•••	•••	•••	•••	•••	•••		•••					• • •	•••
24					•••	•••	•1	•••	• • • •	•••	•••	•••	•••	•••					0.1	1
25					•••	•••	•••	•5	•4	•4	•1	•••	•••	<b></b>					1.4	16
26							-8	-2		-7		-1	-4		/ ==				2-2	25
27						-4	1.0	1.0	-6	•3	-6	•1	-3	•••		1			4-3	49
28							•••	•••	•4	•4			••••	•••					0-8	9
29						•4	•8	1.0	1-0	1.0	1.0	1.0	1.0						7:8	81
30					•••	•••	•••	•••	•••	•••		•••	•••	•••					•••	
31						•••	•1	•••	•••	•••	•1	-1	•••	•••					0-3	3
Sum						0-8	6-5	7-5	6-6	6-9	4.5	2•7	2-0	•••					37-5	
Mean						•03	- 21	-24	-21	•22	-15	•08	•06	•••					1-21	15

402.	VALEN'	TIA OB	SERVAT	ORY:	H _s = 1	L2·8 m	etres												FEBRUARY	, 1935
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	*
1 2 3 4						•••	•••	•••	•••	• • • •	•:1	·:i		:::					0.2	2
3						•••			•••	•••	•••	•••	•••	•••	<b>-</b>				•••	
5	==					•4	•5	•••	• • •	•••	•••								0-9	10
6	<b>.</b>				<b> </b>	•€	•2	•8	1.0	1.0	1.0	1.0	1.0	.1					6•7	72
7						•8	1.0	1.0	1.0	1.0	1.0	• 7		• • • •			'		6 • 5	69
. 8					• • • •	•7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•2					7·9 7·2	<u>84</u> 76
9 <b>10</b>					:::	•7	1.0	1.0	1.0	1.0	1.0	1.0	•5	• • • •					7.2	76
11	l		<b> </b>		l							<b></b>				` <b></b>			•••	
12					:::		-6	2	9	1.0	-6	-5							4.0	41
13									• • • •	• • •		•4	•7						1.1	11
14						•4	1.0	1.0	1.0	1.0	•3		•••						4.7	48
15					•••	•••	•••	•••	•••	•••	•••	•••	•••	•••					•••	•••
16							•••	•••	<u>.                                  </u>	•2	•5	•5	•4	•••					1.6	16
17 18					•••	•2	•••	•2	•7	•1	•••	•5	•1	•••					1-8	18
19			} <u></u>				·i	•••		• • • •	•••	•••	• • • •				==		0.1	"i
20						•.7	•1	•••		i	•1	•2	•4		•••				1-6	16
21		<b> </b>				•£	•4	•6	1.0	•7	• 4								3-3	32
22		"			-1	•5	•5	•7	•2	•1	1.0	•2	•1	•••	• •, •				3•4	33
23				• • • •	•••	•••	•••	•••	•••	•••	•3	•5	•••	•3	•••				1.1	11
24 25				•••	•••	•••	•••	•••	•••	•4	•1 •8	1.0	1.0	-5	•••				0•1 3•7	1 35
		·		•••	***	•••	•••	•••	•••		*0	1-0	1-0	-5	•••				3-1	-
26				•••	•••	•••	•••	•••	: ::	•••	•••	l ···		•••	•••				***	***
27 28				•••	•3	•3	•2	•6 •2	1.0	•9 •7	•7 •6	1.0	•1	•••	•••				4•3 5•2	40 49
26				•••	***	*	- 1	٠٠	1.0	''	-6	1-0	- '	•••	•••				0-2	l **
1				ĺ										1				• •		•
*	Ī		1	1																
	1	1																		
Sum					0-4	6•0	7•3	7•3	9-8	9+2	9•5	8-8	6-0	1.1	•••				65 • 4	
Mean					-01	•21	• 26	•26	•35	•33	•34	•31	•21	•04	•••				2•34	24
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	/9 <b>-1</b> 0	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-16	18-19	19-20	20-21	Total for Day	Per Cent. of Possible.

403. VALENTIA OBSERVATORY: Hg (height of recorder above ground) = 12.8 metres.

MARCH, 1935

105.			DRANTO		\$ (116	arguo (													HARCH,	
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					l l	•••	-2		•4	•5	•1	•6	•1	•••	• • • •				1.9	18
2					•3	-7	1.0	1.0	•2	•3	1.0	•7	•5	•1					5•8	53
3				•••	•2	•6	•6	•7	•7	1.0	1.0	1.0	•6	•4	•••	[		[	6•8	62
4				•••	•••	•5	•9	•9	•9	•8	•4	1.0	•9	•2	•••				6 • 5	59
5				•••	•3	•1	1.0	1-0	•7	•1	•4	•2	•••	•••	•••				3•8	34
6					-1	•9	•1		•1		•3	•2							1-7	15
7				•••	•5	1.0	•3	•6	1.0	1.0	•9	•2	1.0	•7					7•2	64
8				•••	•••	•••	•••	•7	1.0	1.0	•9	-8	•2	•••					4.6	41
9				••	•2	-5	•2	•7	•7	•9	1.0	1.0	1.0	1.0					7•2	64
10				•••	•••	•••	•••	•5	•8	•4	•2	•••	···	•1	••• [				2•0	18
n					-4	•9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•9					9•2	80
12				•••		•••	•••	•.••		•3	1.0	•5	•1	•2					9•2 2•1	<u>80</u> 18
13						• • •	•	•••	•••		•••		•••	•••	•••				• • •	•••
14				•••	•3	1.0	1.0	1.0	1•0	1.0	1.0	1.0	•9	•3				[	8 • 5	73
15				•••	•••	•••	•••	•1	•••	•••	• • • •	•••		•••	•••				0•1	1
16		]	:		•1				•••			•••							0•1	1
17					-8	1.0	1.0	1.0	1.0	1.0	•3	•2							6•3	<b>5</b> 3
18											• • •				•••				•••	•••
19				•••		•••	•••	•••		•••	•••	• • •	•••	•••		}				• • •
20				•••	•5	1.0	•9	1.0	-6	-9	1.0	•4	•1	••••	•••				6•4	53
21									•••			•••								•••
22				•••			•4	-6	1.0	•8	•2	•3	-1	•2					3•6	30
23			•••	•••		•••	•••	•••			•••		•••	•••	•••				•••	•••
24			•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	• • • •	•••		]	•••	•••
25			•••	•••	•••	• • • •	•••	•••	• • •	•••	•••	•••	•••	•••	••••	•••			•••	•••
26					.,.														·	•••
27			•••	•1			•••	1:0	1.0	1.0	1.0	1.0	1.0	1.0	-8				7-9	63
28						•••	•2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•7				7-9	63
29			•••	•••		•••	•••	• • • •		• • • •	•••	•••	• • • •	•••				[		•••
30			•••	•••	•••	•••	••••	•••	•••	•••	•••	•1	•••		•••	••••			0.1	1
31			•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	٠		• • •	••••			• • • •	•••
Sun	-		•••	0.1	3•7	8•2	8-8	12-8	13-1	13-0	12•7	11-2	8•5	6-1	1.5	•••			99•7	
Mean			•••	•00	•12	•26	•28	•41	•42	•42	-41	•36	•27	•20	•05	•••			3-22	27

	٠.																			
404.	VALENT	IA OBS	ERVATO	RY:	Hg = 1	2.8 me	tres												APRIL	, 1935
Day 1 2 3 4 5	hr  	hr	hr	hr •3 •1	hr •2 1•0	hr  .7 .5 	hr •1 •1 •1 •1	hr •4 1•0 1•0	hr •4 1•0 •6 ••1	hr •6 1•0 •5 ••9	hr •9 1•0 •2 ••	hr •1 1•0 •5 ••	hr •6 •6 •5 •1	hr •9 •8 •4 ••1	hr •4 •5	hr	hr	hr  	hr 4•6 9•9 4•4 	% 36 77 34  29
6 7 8 9 10			•••	··· ·1 ·1	•1 •7 •9	•2 •5 •3 •4	•9	•8 •8	•5	•8	•8	•3	•8	1.0	•9	•••	  	=======================================	3•3 1•3 3•0 4•2	25 10 22 31
11 12 13 14 15		  	•••	• 7	1.0	1.0  .7 .7 .3	1.0 .5 .8 .2 .4	1.0  .5 .3 .4	1.0 •2 •4 •3 •5	1.0  .8 .9	1.0 •2 •7 •9 •6	1.0 .1 .7 1.0	1.0 .1 .8 .7	1.0  .7 .7 .2	•9 •3 •4 •2	•••		=======================================	11.6 1.1 7.3 6.3 3.2	86 8 <b>53</b> 46 23
16 17 18 19 20			•••	·2 ·1 ·3 1·0	•1 •5 •9 •8	•8 •5 •9 •8	•1 •1 •6 •4	•3 •1 •4 ••6	•5 •2 •8 •5	•4 •8 •1 •9	•1 •8 •7 •2 •8	•2 •9 ••	•1 •9 ••• 1•0	•2 •4 •••	•1 •3 •••	•3		=======================================	2.7 5.2 2.7 3.5 10.1	19 37 19 25 72
21 22 23 24 25		•••	•3	·2 ··· ··· 1·0	1.0	·4 ·1 ··0 ·2	•8 1•0 •8	•7 •3 •2 1•0 1•0	•7 •7 •5 1•0	•3 •2 •2 •2 1•0	•9 •6 1•0 •6	1.0  .6 1.0 .1	•6 •3 1•0 1•0	1.0 1.0	-8 1-0 -9	•4	•••		7•1 2•2 5•0 10•9 6•9	50 15 35 76 48
26 27 28 29 30		•••	•3 •8 •7 •••	1.0 1.0 1.0	1.0	1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0	1.0 1.0 1.0 .7	1.0 1.0 1.0	1.0 1.0 1.0 .3	1.0 1.0 1.0 .5	1.0 1.0 	1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0 	•5 •7 •7	•••		11-1 13-5 13-4 5-4 0-1	77 93 92 37 1
Sum		•••	2•6	7•8	13-2	14.1	14-4	14.9	14•6	13.2	<u>16·3</u>	13.5	12•6	12.5	10•6	3•5			163-8	
Mean		•••	•09	•26	•44	•47	•48	•50	•49	•14	• <u>54</u>	•45	•42	•42	•35	•12			5•48	40
Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

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

405. VALENTIA OBSERVATORY:  $H_8$  (height of recorder above ground) = 12.8 metres

MAY, 1935

405. V Hour	3-4	4-5	5-6	6-7	s (nei	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	, %
1		•••		•••			•••	•••	•••	•••	• • • •		• • •	•••			•••		•••	•••
2 `			• • •	•••	•••		•••	•••	•••	••••	•••	•••	•••	•••	•••	••••	••••		•••	•••
3 4			• • • •	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	. •••		•••	•••
		• • • •	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	;;;	1.0	• • • •	• • • •		8-3	55
5		•••	•3	1.0	1.0	•7	-4	•1	•5	•2	•3	•••	•9	1.0	1.0	•9	• • • • •		0*3	55
6	l		•9	1.0	1.0	1.0	•4	•5	•5	1.0	1.0	•7	•9	•4	-8	-8			10-9	72
7		•••									•••	•••	•1	•1	•2	•1			0•5	3
8		•1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•8	1.0	1.0	•9	•2	•••		13-0	86
9		•••	•1	1.0	1.0	1.0	1-0	1.0	1.0	1.0	•9	•2	•5	•7	•1	•2	•••		9.7	64
10		•••	1-0	1.0	1.0	1.0	1.0	1.0	1.0	1-0	1.0	1.0	•9	1.0	1-0	•3	•••		13.2	86
11	l	•1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-8			13•9	91
12		-4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-9			<u>14·3</u>	93 42
11 12 13 14		•3	1.0	1.0	1.0	1.0	1.0	1.0	•2	•••				•••			•••		6.5	42
14		•••	•••	•1	•5	•••	•5	•7	•9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•2		9•9	64
15		•1	•8	1.0	•8	•5	•9	•••	•••	•3	•••	•2	•7	•7	-7	•4	•••		7-1	46
16					•3	-6	-6	1.0	1.0	1.0	1.0	-9	1.0	-6		•1			8.1	52
17		•••	•••	:::	•3	•8	1.0	1.0	1.0	1.0	-9	1.0	1.0	•9	•8	•9	•••		10-6	68
18		•••	•••	•5	•7	·i	•2	-1	•4	•4	•4	•4	•6	•3					4.1	. 26
19			•1	•3	·i		•4	•6	•3		•6	•3	•4	1.0	•3	•1	•••		4.5	- 29
20		•••	•2	•••	•5	•2	•••	• • • •			•••	•••	•••		•••	•••	•••		0•9	6
21.	l I		•7	1.0	1.0	1.0	1.0	•3	-6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•4		13.0	82
22		•2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-8	•1	•5	•3			11.9	75
23		•4	1.0	1.0	-9	-8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-8	•7	1.0	•2		13.8	87
24		•2	1.0	ī.ŏ	1.0	1.0	1.0	1.0	1.0	•7	•9	-8	•4						10.0	63
25		•3	•1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-7	•9	•2	•••		12•2	76
26		•1	•7	1.0	1.0	1.0	1.0	•8	-8	1.0	1.0	1.0	1.0	-8	1.0	•5			12.7	79
25		-3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-9	•7	1.0	1.0	-8			13.7	85
28	•••	- 1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-2		14.2	88
29	•••	•••	1.0	1	•5	1.0	1.0	1.0	1.0	1.0	•7	-5	7	-5	-8		•••		8.7	54
30		•••		:::		-6	•2		·i		•••				•••	•••	•••	•••	0•9	6
31		•••	•••	•••		•6	•2	•5	•7	•7	•9	1•0	1•0	1.0	1•0	1.0	•5		9•1	56
Sun	•••	2•5	13-9	17•9	19-6	19-9	19•8	18-6	19-0	19-3	19-6	17•7	19-6	17•6	16•7	12-5	1.5	•••	255•7	
Mean		•08	-45	•58	•63	-64	-64	•60	-61	-62	•63	-57	•63	•57	•54	•40	•05	•••	8 • 25	53

406. V	ALENT:	A OBS	ERVATO	RY: E	i _s = 12	2•8 me	tres												JUNE,	1935
Day 1 2 3 4 5	hr	hr •3 •••	hr •6 •8	hr •1 •7 •••	hr •3 •9 •1	hr •3 1•0 •••	hr •1 1•0 •1 •9	hr •7 1•0 •5	hr •7 1•0 •1	hr • 7 • • • • • • • • • • • • • • • • • •	hr •2 •••	hr .3 .1 i.0	hr •1 •3	hr •1 •9	hr •1 ••• 1•0	hr. •5 •2 •8	hr	hr	hr 3·1 8·4 2·2 0·1 10·0	% 19 51 13 1 61
6 7 8 9 10	:::	::: ::i	··· ·7 ·1	•3 •9 •7	•8 •9 •7	•3 •8 •4	:1 :8 1:0 :9	1.0 .6	1.0 1.0	.8 .7 1.0 .4	9 6 1.0 -6	-8 -6 1-0 -5	•5 •9 •4 •3	•5 •6 •5	•6 •3 ••	•2 •9 •8	•1 •1	•••	4.9 8.4 11.8 6.2	30 51 72 37
11 12 13 14 15	•••	•••	•2 •2 •8	•9 1•0 •9 •2	1:0 •5 •7	1.0 1.0 1.0	1:0 1:0 :8	·6 ·7 ·2 1·0 1·0	1.0	1:0 1:0 2:0	1.0 1.0	1.0 1.0	1.0 1.0	•2 •4 •7 1•0	•1 •3 •8 •5	•3 •5 •5	···· ··· ·7 ·1	•••	3•7 7•2 4•4 12•7 9•4	22 43 27 76 57
16 17 18 19 20		•••	•••		•4	•e	•9	1.0	1.0	1.0 .1	1.0	1.0	1.0 .3 	-8	•8	1-0	•2	•••	10•7 2•4 1•5	64 14  9
21 22 23 24 25			1.0	1.0 	1.0	1.0 .5	1.0 1.1	1.0	1.0	1.0 .5 1.0 	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 	•1 •8 1•0 •2	-8	•••	7•5 6•3 15•6 2•4 4•2	45 38 <u>94</u> 14 25
26 <b>27</b> 28 29 30			•9	··· ··· ··· 1·0	•6 •4 1•0	·3 ·4 1·0	••• ••5 1•0	1.0 1.0	 •3 1•0 1•0	 .7 .9 1.0	•1 •9 1•0	··· ·1 ·2 1·0	•3	··· ··1 ···0	·1 1·0	1.0	•6	•••	1•2 2•1 5•4 14•5	7 13 32 87
Sum		1.3	5-6	8•5	10•3	9•8	12.5	15•5	13.8	14.7	15-8	14.5	12.0	11.3	9•3	8-8	2.6		166•3	
Mean		•04	•19	•28	•34	•33	•42	•52	•46	•49	<u>•53</u>	•48	•40	•38	•31	•29	•09	•••	5•54	33
Hour L. A. T.	3-4	4-5	5-6	6-7	7=8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent. of Possible

407. VALENTIA OBSERVATORY:  $H_S$  (height of recorder above ground) = 12.8 metres

JULY, 1935

Hour L. Á. 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 1 2 3	hr	hr	hr •2	hr •1	hr •3	hr •8	hr 1.0	hr 1.0	hr •8	hr •2	hr	hr	hr	hr •1	hr	hr 	hr	hr	hr 4•4 0•1	% 27 1
4 5		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
6 7 8 9 10	•••	•5	1.0	1.0	1.0 1.0	•7 1•0	1.0 1.0	1.0 1.0 1.0	1.0 .6	1.0 .9	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 .1 	1.0 1.0	•1 •6 •3	•8	•••	4•2 13•7 9•6 •••	25 83 58 ••• 87
11 12 13 14 15		•7 •8 •••	1.0 1.0 	1.0 1.0  .8 1.0	1.0 1.0 	•9 1•0 •5 1•0	*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	1.0 1.0 1.0	1.0 .9 1.0 1.0	1.0 .8 1.0	1.0 1.0 1.0	1.0 .7 1.0	•7	•••	15·1 14·2  11·8 11·9	92 87 ••• 73 73
16 17 18 19 20		•••	••6	•2	·3 ·1 ·:		1.0 .5 	1.0 .1 	1.0	1.0 .1 1.0	 .9 .7	·2 ·3 1·0	··· •2 ••0	•2 •1 •6	•5 •2 1•0	•3	•4		6.5 2.4 0.3 9.8	40 15 2 61
21 22 23 24 25	  	•4	•6 •6	1.0	1.0	··· ··1 1·0 1·0	 1.0 1.0	 1.0 1.0	···4 ··· 1·0 1·0	1.0 1.0 1.0	••• ••• •••	1.0 1.0 1.0	1.0 1.0	••9 ••0 •8	•5 ••0 ••2	1.0 -3	-3		5·4 0·1 13·9 11·2	34 1 88 71
26 27 28 29 30		•••	 •8 1•0	1.0 1.0	1.0 1.0	1.0 1.0	-4 1-0 -7	··· •1 1•0 •7	1.0	1.0	1.0	1.0	1•0 •6	1.0 -4	1.0	  .8 1.0	•4		0.5 14.0 9.1	3 90 59
31		•••	•6	•8	1.0	1.0	. 1•0	•9	1.0	•9	1.0	1.0	1•0	1•0	1•0	1-0	•2		13•4	86
Sum	•••	3-0	8•7	11•4	11•9	12•5	<u>15•1</u>	14•2	13-9	14-4	14-0	14•5	14•4	12•7	11-9	10-0	3•3	•••	185•9	
Mean	•••	•10	•28	•37	•38	•40	<u>•49</u>	-46	•45	•46	•45	•47	-46	•41	•38	•32	•11	•••	6•00	37

408. V	alenti	A OBSE	ERVATOR	RY: Hs	= 12•	8 metr	es												AUGUST	1935
Day 1 2 3 4 5	hr	hr -1	hr 1.0	hr 1.0	hr 1-0 1-0	hr 1.0 1.0	hr 1.0 1.0	hr •7 ••0 •1	hr •8 •6 1•0 •3	hr •5 •3 1•0 •8	hr •9 1•0	hr •9 •6 •1	hr •8 •1 1•0	hr 1.0 .8 .5	hr 1.0 .8 .1	hr •7 •1 •1	hr •2	hr	hr 10·3 2·9 11·8 1·8	\$ 67 19 77 12 6
6 7 8 9 10		•••	•8	•7 •1 ••1 ••1	• 7	1.0	:: ::0	•4	.9  1.0	·1 ·1 1·0	1.0 1.0	 9 1.0 .8	•9 1•0 •3	•7 •6 •8 •7	•9 •7 1•0 •5	•5 ••• •1	•••		5•0 3•4 4•9 8•9 0•2	33 22 33 59 1
11 12 13 14 15		•••	•••	•••	•7	••• ••1 ••1 ••7	1.0 •3 •3 •2	•8 •7 •1	•7 •3 •3 •2	•3 •7 •9	•5 •9 1•0	1.0 .2 1.0	• • • • • • • • • • • • • • • • • • • •	•6 •5 •2	•6 •2 •4	•7 •1 •5	•••		6.9 4.3 6.3 1.5	47 29 43 10
16 17 18 19 20		•••	•••	•••	•••	•2	•1	:: :1 :1	•••	•1	•7	·1 ·1 ··	•••	•••	•••	•••	•••		0·1 1·3 0·3 0·1	1 9 2 1
21 22 23 24 25			•3 •1 ••• ••2	•9 •2 •3	-7 -5 1-0	1.0  .8 .7 1.0	1.0   1.0	•9 ••• ••1 1•0	•7 ••• •2 1•0	•8 •1 1•0	•9 •4 •2 1•0	1.0  .3 1.0	1.0  .3 1.0	•9 •8 1•0	1.0  .6 .2	•2			11·3 0·3 2·2 3·5 11·4	79 2 16 25 81
26 27 28 29 30			···	•8 •2 •4	•7 •2 •5	•8 •4 •7 •2	•6 1•0 •6 •8	•6 1•0 •6 •8	•9 •7 •6 •8	•8 •7 •9 1•0	•8 •6 •7 1•0	•1 •6 •7 •8 1•0	•7 •9 1•0	•1 •7 •3 •4 1•0	•3 •8 1•0	•3 •1 •4			0-2 8-3 7-0 7-2 9-0	1 60 51 52 66
31.					•1	•6	•2	•1	•2	•5	-1		•6	1.0	-8	•2			4•4	32
Sun Mean		•00	•08	•18	7·4 •24	10.9	10-7	9.9	•36	•37	13-1	13·2 ·43	•36	12•7	10-9	4·3 ·14	·01		135 · 7 4 · 38	30
Hour L. A. T.	3-4	4-5	5-6	8-7	7-8	8-9	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	Per cent.

409. VALENTIA OBSERVATORY:  $H_s$  (height of recorder above ground) = 12.8 metres.

SEPTEMBER, 1935

Hour L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total for Day	Per cent of Possible
Day 1 2 3 4 5 6 7 8 9 10 11	hr	hr	hr	hr	hr •9 •6 •5	hr	hr •6 •5 •6 •2 •7 ·1•0	hr •9 •6 •1 ··· •6 ··· •6 ··· •2	hr •1 •4 •6 ••• •2 1•0 ••• 9	hr •4 •9 ••• 1•0 ••5	hr •2 ··· ·1 ··· ·1 1·0 ··· ·3 ···	hr •7 •3 •4 ••• •1 •7 ••7	hr	hr •9 •3 •2 •	hr •4	hr	hr	hr	hr 0.9 5.9 3.0 3.6 1.3 1.3 7.1 0.6 4.4 0.5	7 44 22 27 10 10 54 5 34 4
12 13 14 15 16 17 18 19				·5  	•2 •2 ••3	··· ·1 ·2 ·4 ··· ·3	···· ··1 ··· ··6 ···	•5 •6 •2 •8 •6	1.0 .6 .4	.6 1.0 .7 1.0	•5 •9 •8 •9 •7	·2 ·7 ·9 ·7	1.0 1.0 1.0 .8 .5 .4	•9 •5 •3	···· ··2 ··1	•••			8.0 6.2 5.3 4.7 0.5 5.9 0.1 3.9	16 48 42 37 4 47 1 31
20 21 22 23 24 25		1 11111	:::::::::::::::::::::::::::::::::::::::	···	•2	•8 ••0 ••6	•9 •1 •8	•9 •4 •5	•2 •9 •1 1•0	·7 ·2 ·1 1·0	1.0 .6 .2 1.0	• 9 • 4 • 3 • 5 • 9	1.0 .5 .4 1.0	•8	•1 •2 •••				7-4 0-5 3-9 3-3 1-3 8-3	60 4 32 27 11 69
27 28 29 30	 			•••	•3	•5	•1	•2	•5 •2	•9	•9	1.0 .3 .7	1-0 -4 1-0	1.0 •3 •6	•2				0·1 5·7 1·0 5·7	1 48 9 49
Sum			•••	1·3 •04	•17	6·3 ·21	•28	9.2	•31	·37	•36	•37	<u>11.7</u>	7•8 •26	2•4 •08	0-2 -01			94·6 3·15	25

410.	VALENT	IA OBS	BERVATO	ORY: H	₃ = 12	·8 met	res												OCTOBER,	1935
Day 1 2 3 4	hr	hr	hr	hr	hr •1 •3 •1	hr •5 •1 •••	hr •3 •9	hr •4 •2 1•0	hr •8 •1 1•0 ••	hr •7 •3 •8	hr 1.0 .3 .6 .1	hr •7 •2 •1	hr •9 •4 •••	hr	hr	hr	hr 	hr	hr 5•3 1•4 4•9 0•4 6•6	\$ 46 12 43 4 58
6 7 8 9				•••	•2	•9 •5	•3	•8	•1	•9	•6 •6	•5 •3 •2	•1	•••	•••	11111			3•3 5•5 5•5	29  49 
11 12 13 14 15				•••	•3 •1 ···	•9	1.0	1.0	1.0	1.0	1.0	1.0	•6	•8	•••				8-6 0-1 	79 1 
16 17 18 19 20					  	•1 •2 •2	•2 ••• •5 •4	1.0  .6 .8	•8 •1 •7 •6	1.0 .4  .8 .8	1.0  .3 .6 .7	1.0  .1 .5 .6	1.0  .3 .5	•8  	•••				6•9 0•5 0•4 4•2 4•8	65 5 4 40 46
21 22 23 24 25	  				···	··· ·1 1·0	•4 •9 •9	1.0 •2 •5	•9 •8 •8	••• •7 •9	··· •1 •5	·1 •2	•••	•2	•••				3•5 4•8 2•2	34 45 22
26 27 28 29 30					•••	•••	•1	• 7	•4	•8 •2	•5 ••5 ••5	• • • • • • • • • • • • • • • • • • • •	•2	•••	::				0-5  3-4 0-2	5  35 2
31 Sun				•••	1.9	•£ 6•5	9-1	•3	•6 10•6	·4 11·5	10-2	•3 7•1	•7 6•4	2-2					3•8 76•6	39
Mean Hour L. A. T.	3-4	4-5	5-6	6-7	•06 7=8	•21 8-9	•29 9-10	·36	·34	<u>•37</u>	•33. 13-14	•23 14-15	•21 15-18	•07 16-17	17-18	18-19	19-20	20-21	2.47 Total	Per cent- of Possible

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

411. VALENTIA OBSERVATORY: H_s (height of recorder above ground) = 12.8 metres

NOVEMBER, 1935

Hour								10.11	,,,,	10.10	20.24	14-15	15-16	10.15	15.10	30.30	30.00	00.03	Total for	Per cent.
L. A. T.	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12		13-14				17-18		19-20	20-21	Day	Possible
Day 1	hr 	hr 	hr.	hr 	hr	hr •2	hr	hr •4	hr •6	hr •3	hr •1	hr	hr	hr	hr 	hr 	hr .	hr 	hr 1•6	% 17
2 3					•••	•••	*3	•7	·6	•6 •1	•5 •1	•1	•1	•••					2•9 0•3	30 3
5				,	•••	"i	••7	•4	•8	•8	•1 •8	•5	•1	•••					0-7 4-5	7 48
6				ĺ		•1	•4	•6	-6										1•7	18
7					•••	•1	-1	•••	•8	•9	•2	•••	•••	•••					2-1	23
8 9					•••	•7	1.0	•2 •1	-6	•5 •1	•5 •2	•5	•6	•••					3•5 1•5	38 16
10	-				•••	•••	•••	•••	•3	1.0	•5	•8	•••,	•••					2•6	29
11 12					•••	•••	•••	•6	•8	•5	•••	•••	•••	•••					2-0	22
13					•••	•••	•3	•4	-6	-6	•2	•1	•2	•••					2•4	27
14 15					•••	•2	•6 •8	• <b>5</b> •9	•5 •1	•6 •1	•••	•5 •2	•4	•••					4•0 1•9	<b>45</b> 22
16				1	•••			•3	•4	-4	•5	8	•••						2-4	27
17 18					•••	':i	•••	•••	1.0	·1 1·0	•2 •2	•3	•••	•••					0•6 3•1	7 36
19 20					•••	•2	1.0	1.0	1.0	-8 -9	•4	•••	-2	• • • •					1•2 4•3	14 50
21							•5	•1	•7	•4		•2	•3				ł		2.2	26
22					•••		-6	•••			•4	•••		•••					1-0	19
23 24					•••		•2	1.0	1.0	1.0	1.0	1.0	•4	•••				=	<u>5∙6</u> 2∙9	67 35
25	:.				•••	•••	•1	•••	•••	•••	•••	•••	•••	•••					0-1	1
26 27					•••		•1	٤٠	•••			-2	***	•••				=	0•7	8
28 29					•••	•••	•7	•5 •2	•7	•3	•6	•2	•	•••					1•9 7•0	23 25
30								•••	•••				•••						•••	
Sum						1.7	7-7	8-8	17.0	11.1	8•4	7-4	2-7				- 1		59-7	
Sia					•••	1.4		8.8	11.9	п.1	8•4	7•4	2.7	•••					89-7	
Mean		-			. •••	•06	•26	-29	<u>:40</u>	•37	•28	• 25	-08	•••					1.99	23
412. VA	ALENTI.	A OBSE	RVATOF	Y: H _s	= 12.	8 metr	<b>es</b>												DECEMBER	1, 1935
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr.	hr	hr	hr	hr	×
2						:::	•1	•2 •6	•6 •6	•7	•£	•5	•1						1•9 3•3	24 41
3 4						•••	•2	•4	•6		·:i	•••	• • • •						1.4	18
5						••••	•7	•4	•5	•••	•••	•••	•••						1-6	20
6 7						•••	•3	•1	•3	•7	1.0	•5 •4	•••						2•9 0•5	37 6
8 9						•••	•••	•••	•4	1.0	•3	•6	• 5						1•7 3•1	22 40
10 I						•••	•8	1.0	1.0	-9	•2	•••	•1						4-0	51
11					'	•••	-8	1.0	-4	•1	• • • •	• • •	•••						2•3	<b>30</b> .
12 13						•••	•••	•••	•••	•••	•••	•••	•••						•••	•••
14 15						•••	·:i	··i	•••	•••	•5	•••	•••						0.7	9
16																				
17			.==			•••	•7	1.0	1.0	1.0	i 0	1.0	•2						5-9	77
18 19						•••	•••	•••	•••	•••		•••	• • •				==	==	•••	•••
20						•••	•••	•6	-8	•7	•••	•••	•••						2-1	27
21 22						•••	•8 •7	1.0	1.0	1.0	1.0	1.0	•4						6 <u>•2</u> 1•7	<u>81</u> 22
23 24	•••					•••	•3	•9	i.o	•4	•6	• 2	•••						3•4	44
						•••	•4	•4	•8	•••	•••	•••	•••		1				1.6	21
25																	•			
25 26						•••	•••	•••	•1	•5 •1	·ii	•1 •3	•3						0•7 0•8	. 9 10
25 26 27 28	1 1 1			 		•••	•••	•••	· ii	•1		•3	•3			 			0•8 0•4	10 5
25 26 27						•••	•••	•••	•••	•1	•1	•3	•3						0-8	10
25 26 27 28 29	: : :				::::	•••	•••	•••	:i	•1 •3	·1	•3	•3			, <del></del>		 	0-8 0-4	10 5
25 26 27 28 29 30	: ::::				111	•••	•••	::: :1	:i :::	•1 •3 •:	··· ··· i·o	•3	•3	::		, 			0-8 0-4 1-4	10 5 18
25 26 27 28 29 30 31	1 11111					•••	•••	··· ·1 ·2	·1 ·:· ·5	·1 ·3 ··1	·1 :·· 1·0	•3	•3	1111				•••	0-8 0-4  1-4 1-1	10 5 18
25 26 27 28 29 30 31	:::::::::::::::::::::::::::::::::::::::			-		•••	5.9	•1 •2 8•9	•5 10•7	•1 •3 •1 •4	·1 ··· 1·0 ···	•3 •2 ••4	1.6						0-8 0-4 1-4 1-1	10 5 18 14
25 26 27 28 29 30 31 Sun Mean						•••	5-9	**** **2  8*9  *29	•5 10•7	•1 •3 ••1 •4 9•5	·1 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	·3 ··· ·2 ··· 4·8	1.8	1					0-8 0-4 1-4 1-1 48-7	10 5 18 14

332 413. VALEN Din	TIA O	BSERV. essur	ATORY	ction : e Aner					s fro	: DIR m Nor	ECTIO th (E		o, s	= 180				= 360°						
Hour G. M. T.	.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 1 2 3 4 5	230 250 170 345 345	m/s 7·2 4·3 4·0 4·6 6·6	235 230 185 345 350	m/s 7·8 3·9 3·1 4·1 6·4	230 230 220 220 350 355	m/s 7·1 3·8 3·2 4·5 5·8	235 235 215 350 355	m/s 7•7 2•9 2•8 4•5 4•5	245 240 265 355 360	m/s 8•4 2•7 3•6 4•7 3•5	250 265 265 265 355 360	m/s 9•1 4•4 2•1 5•6 3•2	250 270 235 345 355	m/s 8·5 2·2 2·5 5·2 2·5	255 200 345	m/s 9•4 2•9 7•2	260 270 195 350	m/s 10·2 1·6 3·1 7·6	250 255 195 355 200	m/s 8•7 1•0 3•1 6•7 2•2	250 210 190 5 310	m/s 8·1 1·9 2·9 6·0 4·8	255 210 220 355 290	m/s 8.0 2.6 2.2 6.3 5.0
6 7 8 9 10	350 70 50 55 205	10·1 1·4 1·5 1·3 6·0	350 55 50 205	11.4 1.6 1.3 6.2	355 45 210	11·1 1·0 6·6	360 50 45 50 200	11.0 1.3 1.9 1.4 6.5	5 50 40 55 210	10-1 2-0 1-5 2-0 6-7	40 55 205	8.9 2.3 1.7 7.0	30 150 60 205	6.5 4.3 1.8 7.1	40 45 140 55 200	4·8 2·1 7·4 1·6 6·5	60 50 140 55 195	5.9 2.6 8.6 1.9 6.9	50 45 140 60 200	8•6 2•5 9•1 1•3 7•4	55 30 140 60 210	8.0 1.0 7.5 1.4 8.0	50 50 160  215	5·3 1·2 7·4 8·3
11 12 13 14 15	205 300 295 325	11.0 13.2 10.3 7.2	220 305 300 320	13.5 11.5 10.4 7.8	215 315 310 320 130	14.0 12.4 9.7 8.5 3.2	215 320 310 330 110	15.0 12.1 9.2 8.0 3.3	220 320 315 330 135	16.9 13.0 10.0 6.1 4.1	215 320 320 330 110	16.3 11.4 9.4 5.1 3.5	215 320 315 330 125	18.0 9.9 9.6 6.9 3.5	220 320 315 330 140	15.6 9.0 9.7 7.1 3.2	250 315 310 325 140	13·3 9·0 9·5 4·5 3·4	270 310 310 320 145	11.8 7.3 10.0 6.7 4.2	270 320 320 320 150	12•3 8•4 11•6 3•2 4•6	275 310 325 325 165	13.5 6.1 10.7 5.6 6.3
16 17 18 19 20	150 115 100 90 95	6.5 3.0 2.7 3.3 2.0	165 130 75 75 95	5·1 3·0 2·7 3·2 2·1	175 90 80 70 80	4·1 3·1 3·0 2·8 2·1	175 80 85 60 90	3.5 3.2 3.7 3.0 2.0	170 80 95 60 65	2•9 3•6 3•2 2•6 2•5	145 75 120 75 60	4.0 3.5 4.0 2.5 3.5	140 75 70 90 65	4.6 3.0 3.0 2.6 5.7	155 100 60 110 70	2.5 4.0 2.5 4.5 5.9	150 95 80 110 75	1.6 3.5 3.0 3.5 5.9	45 80 85 100 65	1·3 2·7 3·3 3·0 5·2	50 95 80 75 70	1.5 3.5 2.6 3.5 6.5	145 95 55 75 50	3·1 3·8 1·6 3·7 5·3
21 22 23 24 25	50 40  280 265	2·9 2·1  4·4 12·6	60 50 275 265	2•2 2•9 ••• 4•8 12•1	60 50  295 280	2.6 2.5  4.8 10.7	60 55  280 280	2.8 2.0 3.7 12.0	270 295	3.0 5.5 10.9	65 60 270 290	3.0 1.0  7.0 11.6	35 60  265 295	4.7 1.6 7.1 12.8	70 270 295	3•2  7•3 13•0	40  270 295	3•7  7•3 13•3	40 50 270 295	5·3 1·4 7·6 13·7	40 50 270 290	6.0 1.3  8.0 14.7	40  265 295	5•4 ••• 8•3 14•5
26 27 28 29 30	345 10 60 50 160	15.2 7.8 1.1 2.1 2.0	345 10 55 60 160	14-1 8-2 1-8 1-2 2-7	340 10 50  180	12.6 9.0 2.0 3.2	350 10 60  175	13.7 9.0 1.2 3.8	355 10 60  180	12·3 7·8 1·4 3·1	355 10 55 35 180	11.5 8.9 1.3 2.0 3.2	360 15 60 35 180	12.6 8.4 1.5 3.0 3.0	360 20 60 70 180	12•2 5•5 1•8 4•5 1•4	5 30 65 70 60	10-8 4-3 1-6 4-3 1-0	10 50 55 80	11.9 4.0 2.2 2.8	10 35 140  260	12·5 5·5 2·0 2·9	10 45 150 205 265	10-5 5-5 1-7 1-2 4-6
31. Mean	340	7•2 5•3	360	4·5 5·2	335	6·3 5·2	350	4.·9 5·2	345	5.2	350	5•0 5•3	360	4·5 5·4	345	4•8 5•2	350	5·3 5·1	340	5-2	320	5•1	310	5•0 5•3

414. VALENTIA OBSERVATORY: H_a = 17 metres + 13 metres

Day 1 2 3 4 5	260 250 255 255 255 320	m/s 7·0 11·8 10·5 11·4 4·9	260 255 260 250	m/s 7•2 11•2 11•1	265 250	m/s 8•5 12•7	o 265	m/s 8•8	o 250	m/s 8•7	0	m/s	0	m/s	٥	m/s	0	m/s	0	m/s	o 245	m/s 9•0	0 245	m/s 9•5
		4.0	320	11•3 3•4	260 255 320	11.1 11.2 4.9	255 255 255 310	11·1 10·4 11·0 5·2	255 255 260 305	9.9 10.4 11.2 5.3	255 255 255 260 305	8•4 10•4 11•1 11•5 5•2	260 255 255 260 300	10.0 9.4 10.2 9.2 5.7	255 260 250 310 300	9·1 9·3 10·7 2·6 4·6	255 260 250 340 290	8•4 8•4 10•4 2•8 4•9	255 270 255 340 280	9.5 6.6 11.9 3.1 5.5	310 255 335 270	6.5 11.3 1.0 7.0	305 250  260	6.7 11.5 8.5
6 7 8 9 10	50 55 60 145	10.0 2.7 1.6 2.1 5.1	360 55 60 60 150	10•7 1•8 1•1 1•8 4•0	355 135 50 60 145	10·8 1·2 2·4 2·4 5·1	360 65 55 65 150	11.8 1.5 1.9 1.2 4.0	360 50 55 70 150	12.0 2.8 1.5 1.0 4.8	5 50 45 60 150	10·2 2·7 3·2 1·3 5·0	10 40 50 60 155	11.2 2.5 2.2 1.3 6.3	5 55 55 60 170	10.0 3.0 2.3 1.2 6.2	50 65 180	10•6 3•0 1•8 4•8	5 40 55 65 185	10-1 1-3 1-5 1-8 5-2	30 85 60 185	5•4 2•4 1•7 6•2	25 85  55 190	8•2 3•9 1•4 7•3
11 12 13 14 15	195 235 235 255 185	6.9 8.6 6.0 6.0 7.1	200 245 225 275 195	7•1 7•8 5•9 5•3 8•5	195 255 220 285 180	6•9 6•4 5•6 4•7 8•7	195 250 180 290 170	6.9 5.8 5.6 5.9 11.4	200 240 250 280 180	8.0 6.1 7.4 5.7 10.6	190 245 250 285 230	8.5 5.8 10.5 5.1 11.1	200 240 250 290 225	9.0 5.2 10.8 7.4 11.0	195 250 250 290 230	9-8 3-7 10-4 5-9 11-2	185 215 250 290 230	10.5 3.2 8.7 6.2 11.0	185 225 240 285 225	10-9 3-3 8-4 5-5 11-2	185 215 240 275 225	11.5 4.8 8.9 5.9 12.6	185 215 240 270 225	11.5 6.0 8.5 6.0 12.4
16 17 18 19 20	225 280 205 200 190	14.5 7.1 11.0 13.8 15.1	225 270 195 205 190	14.0 8.4 11.2 12.9 14.7	225 270 200 205 195	13·3 9·0 10·6 12·9 14·0	225 270 195 200 195	14.2 8.1 11.6 12.0 13.1	220 255 195 220 210	14.7 7.5 11.4 9.8 13.4	215 260 210 215 210	15.0 6.6 9.9 4.5 8.2	215 250 210 320 220	15.0 7.1 10.2 4.3 9.7	210 240 210 320 210	15.8 7.2 10.8 2.5 8.7	210 235 210 340 220	16.6 7.2 10.9 1.9 10.0	215 230 205 340 225	15.9 7.2 11.4 4.0 10.0	235 240 205 350 220	12·4 8·5 12·9 4·0 10·5	230 235 210 345 220	14.7 9.5 13.4 1.6 10.1
21 22 23 24 25	270 10 350 195 55	9·7 7·7 1·2 4·3 5·7	270 360 55 185 10	10·3 9·1 1·1 4·6 4·3	240 355  180 10	8·7 7·6 ··· 4·1 7·2	260 340 50 210 15	11·2 9·5 3·4 5·1 10·4	255 340 50 185 15	12.2 9.6 2.9 4.4 13.7	255 325 50 160 20	14·3 8·2 1·3 5·2 15·2	245 320 50 165 25	13·0 8·5 2·0 5·0 16·1	270 315 60 130 20	11.3 7.8 1.4 6.6 15.4	260 290  125 25	11.2 3.6 6.7 13.9	260 285  130 20	9•7 5•3 ••6 12•5	255 275 45 130 20	8.6 6.0 1.1 6.4 11.2	250 265 50 130 15	10•4 5•4 1•4 8•4 13•9
28 27 28	75 170 275	1•8 5•6 11•6	320 185 285	1•2 4•6 8•0	125 195 265	2•4 4•8 8•9	140 180 280	3•7 <b>5•</b> 7 <b>7•</b> 3	140 185 270	7•0 5•6 8•0	145 190 2 <b>75</b>	6•7 6•6 8•8	150 195 285	9•5 8•1 7•1	150 195 280	10•0 6•2 7•9	155 180 290	10•7 6•7 8•1	155 190 270	11•£ 8•0 6•6	165 205	11•3 10•8	165 255 310	13•5 9•5 6•5
Mean	-	7-5		7-2		7•4		7•8		8•1		7•9		8-1		7•6	***	7•3		7•3		7•1		7•9
Hour G. M. T.	- o -	1	1 -	. 2	2 -	3	3 -	4	4 -	5	5 -	. 6	6 -	. 7	7 -	8	8 -	9	9 -	10	10 -	u	u.	12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. +  $h_{a}$  (height of anemometer above ground) = 17 metres + 13 metres

JANUARY, 1935

	12 - 1	LЗ	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22 .	- 23	23 -	- 24	Meen	Day
2. 2. 3.	50 7 10 2 30 5 50 7	/s •7 •5 •0	255 225 235 235 355 300	m/s 7·7 2·8 5·6 7·1 5·9	250 225 (275) 350 310	m/s 6-9 2-8 5-9 6-6 5-5	250 215 (275) 360 345	m/s 6·8 2·4 7·5 6·5 9·8	0 245 250 (270) 355 345	m/s 4·7 1·2 7·8 6·9 10·7	0 190 270 345 350	m/s 3·9 6·9 6·7 11·9	205  285 345 350	m/s 3·8 3·6 6·0 12·2	225 175 290 345 350	m/s 4.5 3.0 6.1 6.3 10.1	0 250 170 335 345 355	m/s 5.0 4.0 6.7 7.2 10.1	o 255 170 350 345 345	m/s 5·3 4·2 5·4 6·7 10·8	o 260 175 355 345 340	m/s 4·9 4·4 5·4 5·7 10·0	0 260 175 345 350 345	m/s 6·1 3·7 5·2 6·0 9·0	m/s 7.0 2.7 4.5 6.1 6.5	1 2 3 4 5
i i	io 8	• 7 • 8 • 8	40 150 180 210	5•8 8•7 1•5 9•0	35 150 170 210	6•0 9•3 3•0 8•8	35 130 175 210	5•5 6•2 4•0 8•9	50  45 230 205	4.5 3.3 3.8 8.6	70 40 190 210	3•1 1•6 3•5 8•5	50 50  195 205	2•4 1•5 ••• 4•3 9•4	35 70  200 210	2.0 1.2 3.7 9.7	60 200 210	1.0 5.0 9.7	60 190 210	2.0 5.0 9.4	55 185 210	2•1 5•4 10•5	50 190 215	2.0 4.9 11.3	5•8 1•2 4•0 2•6 8•2	6 7 8 9 10
3: 3: 3:	30 12 35 5	•4	290 335 335 350 180	12.6 2.3 11.1 5.1 6.1	290 320 330 350 175	11.4 3.8 9.3 6.5 5.7	285 305 335 350 165	12.8 4.4 9.1 5.5 4.7	290 315 330 345 165	11.7 6.4 9.9 5.0 4.2	300 300 330 350 160	12-6 9-6 10-1 4-6 4-2	300 290 330 355 170	11.0 8.3 10.9 3.6 4.5	300 285 330 355 160	11.4 8.6 10.0 1.9 4.1	295 280 325  145	11.7 9.1 10.4  5.9	295 280 335  145	11.5 8.7 10.4  5.6	295 280 335  160	12•4 8•1 8•7 ••2	300 290 325  175	13•4 9•5 8•5 •••	13.2 8.6 10.0 4.8 4.3	11 12 13 14 15
1	10 3 30 3 35 2	·0 ·4 ·1 ·9	180 115 75 75 60	1.5 3.3 1.8 3.5 5.1	175 120 70 75 55	2•3 2•5 2•0 2•6 3•5	165 120 70 65 65	2·8 2·9 2·7 2·3 3·4	160 100 80 95 60	3·2 3·7 3·0 2·5 2·3	115 105 80 90 80	2.5 5.0 2.9 2.7 2.3	90 110 80 75 80	3.0 2.9 3.0 1.5 2.3	115 105 90 90 80	2·3 3·4 3·2 2·1 1·8	130 110 85 60 40	1.4 3.3 3.1 1.4 3.1	110 110 85 90 50	1.3 3.2 4.1 2.5 3.8	90 105 90 110 60	3·1 3·9 3·7 3·1 2·0	95 100  109 60	3.7 3.6  2.3 2.1	2.9 3.4 2.9 2.8 3.6	16 17 18 19 20
20	<u> </u>	·8 ·2 ·4	40 (320) 265 295	4·8 2·4 8·6 17·2	50 40 295 270 320	4.5 1.3 2.1 9.0 17.3	310 265 325	4•7 2•6 8•3 17•6	55 65 325 250 325	5.6 1.0 1.1 8.4 18.0	60 60 300 <b>255</b> 325	4.6 1.1 2.8 10.2 16.7	80 320 255 330	3•7 3•5 10•6 18•1	130 55 300 260 325	2·2 1·4 3·1 11·1 17·0	120 50 290 260 330	1.5 1.8 2.6 12.7 17.3	50 275 260 330	1.5 3.3 12.6 16.7	145 70 275 270 330	1.0 1.5 3.6 11.9 15.1	50 285 265 345	3.7 11.8 14.5	3.5 1.2 1.6 8.3 14.7	21 22 23 24 25
1	70 3 LO 2	•6 •0 •3	10 40 165 275 270	10.6 5.8 4.5 3.0 3.3	10 45 170 295 280	11.8 5.0 4.8 2.9 3.0	10 25 160 330 320	10.8 4.1 5.4 2.9 3.4	10 30 155 (330) 335	10.6 4.1 5.0 2.6 2.5	10 40 155  330	10·7 3·5 5·4 3·9	10 60 155  330	11·1 1·9 5·2  5·0	10 320 155 70 345	10.8 1.3 5.4 1.4 8.6	10 70 150 60 345	9.5 1.9 3.5 1.9 6.9	10 150 150 340	2.0 1.0 6.5	10 70 45 155 345	9•9 1•0 1•0 1•1 7•0	10 50 60 350	1.2 2.0 7.7	11.5 5.0 2.7 1.9 3.9	26 27 28 29 30
F		•6 •7	295	5•6 5•6	295	4•5 5•5	280	6•2 5•7	310	4•5 5•4	310	5•4	310	4-0 5-1	300	<b>5.</b> 3	270	5•2 5•3	280	3•7 5•2	275	5•0	275	5•6 <u>5•0</u>	5•1 5•3	31

FEE	RUA	RY.	19	3:

250   9-8 300   6-7 260   12-8 270   1-0 265   9-3 55   8-3 120   2-0 195   8-0 185   11-1 215   6-5 240   8-4 270   6-2 225   12-5 75   1-4 225   10-0 260   11-3	305 260 360 255 20 170 280 (215) 195 190 215 245 260 225 245 230 210	9.2 5.6 13.3 3.0 10.6 5.9 2.3 1.8 2.7 7.6 10.9 7.2 9.9 6.4 13.1 15.7 10.0 13.4	350 260 15 205 310 (210) 195 195 206 240 260 225 245 235	9·1 4·5 13·4 4·0 11·6 7·1 2·8 2·5 2·5 8·1 11·9 8·6 8·4 6·7 12·2 17·6 9·8	245 285 260 360 260 25 265 320 (200) 200 200 200 245 255 225	10.0 4.4 12.3 4.5 13.5 5.4 2.5 3.0 2.6 7.7 12.3 9.9 9.6 6.2 12.5	250 300 255 360 265 30 355 290 (180) 200 195 195 250 225	9.0 4.5 11.0 3.5 13.1 5.3 2.6 2.3 2.5 7.6 12.5 9.5 9.4 7.3	255 305 260 355 290 35  250 160 200 195 200 265 260	9.2 4.3 11.9 4.2 11.0 7.3  1.0 3.5 7.5 12.6 9.5 8.6	260 300 260 345 320 35  75 155 205 205 200 265	9.7 4.7 12.5 6.1 10.8 9.2  1.4 3.8 6.9 13.1 10.0 7.7	255 305 260 355 325 30  55 50 210 205 205 255	10.0 3.7 11.5 5.6 12.1 5.1  1.4 1.8 7.3 12.8 11.5	255 270 260 355 345 125 60 65 55 210 205 206	9.8 2.4 11.4 2.9 10.2 3.5 1.8 2.0 2.4 7.4	255 270 255 330 355 110 60 60 40 200 215 205	10.2 1.3 10.5 4.0 9.4 3.2 1.3 1.8 1.6 6.2	255 180 255 330 5 5  50 65 135 200	10.5 2.4 11.2 5.1 9.5	255 170 255 340 355 40 50 55 140 195	9.0 5.4 11.1 4.7 10.2 2.8 2.2 2.3 5.0 6.5	9·1 6·8 11·4 5·6 8·2 7·7 2·0 1·8 2·2 6·3	1 2 3 4 5 6 7 8 9
270 1.0 265 9.3 55 8.3 120 2.9 	360 255 20 170 280 (215) 195 190 215 245 260 225 245 230 210	3.0 10.6 5.9 2.3 1.8 2.7 7.6 10.9 7.2 9.9 6.4 13.1 15.7 10.0 13.4	350 260 15 205 310 (210) 195 195 206 240 260 225 245 235	4.0 11.6 7.1 2.8 2.5 2.5 8.1 11.9 8.6 8.4 6.7 12.2 17.6 9.8	250 265320 (200) 200 200 200 245 255 225	4.5 13.5 5.4 2.5 3.0 2.6 7.7 12.3 9.9 9.6 6.2 12.5	360 265 30 355 290 (180) 200 195 195 250 250	3.5 13.1 5.3 2.6 2.3 2.5 7.6 12.5 9.5 9.4 7.3	355 290 35  250 160 200 195 200 265	4.2 11.0 7.3  1.0 3.5 7.5 12.6 9.5	345 320 35 75 155 205 205	6·1 10·8 9·2 ··· 1·4 3·8 6·9 13·1 10·0	355 325 30  55 50 210 205 205	5.6 12.1 5.1  1.4 1.8 7.3	355 345 125 60 65 55 210 205	2.9 10.2 3.5 1.8 2.0 2.4 7.4	330 355 110 60 60 40 200	4.0 9.4 3.2 1.3 1.8 1.6 6.2	330 5 50 65 135 200 225	5·1 9·5 2·0 1·3 2·5 6·9	340 355 40 50 55 140 195	4.7 10.2 2.8 2.2 2.3 5.0 6.5	5.6 8.2 7.7 2.0 1.8 2.2	4 5 6 7 8 9
120 2-9 190 2-0 195 8-0 10-1 215 6-5 240 8-4 270 6-2 225 12-5 235 10-1 210 13-5 75 1-4 225 10-0	170 280 (215) 195 190 215 245 260 225 245 230 210	2·3 1·8 2·7 7·6 10·9 7·2 9·9 6·4 13·1 15·7 10·0 13·4	205 310 (210) 195 195 206 240 260 225 245 235	2.8 2.5 2.5 8.1 11.9 8.6 8.4 6.7 12.2 17.6 9.8	265 320 (200) 200 200 245 255 225	2.5 3.0 2.6 7.7 12.3 9.9 9.6 6.2 12.5	355 290 (180) 200 195 195 250 250	2.6 2.3 2.5 7.6 12.5 9.5 9.4 7.3	250 160 200 195 200 265	1.0 3.5 7.5 12.6 9.5	75 155 205 205 200	1.4 3.8 6.9 13.1 10.0	55 50 210 205 205	1.4 1.8 7.3	60 65 55 210 205	1.8 2.0 2.4 7.4	60 60 40 200	1.3 1.8 1.6 6.2	50 65 135 200 225	2•0 1•3 2•5 6•9	50 55 140 195	2•2 2•3 5•0 6•5	2.0 1.8 2.2	7 8 9
190 2.0 195 8.0 185 11.1 215 6.5 240 8.4 270 6.2 225 12.5 235 14.3 235 10.1 210 13.5 75 1.4 225 10.0	(215) 195 190 215 245 260 225 245 230 210	2.7 7.6 10.9 7.2 9.9 6.4 13.1 15.7 10.0 13.4	(210) 195 195 205 240 260 225 245 235	2.5 8-1 11.9 8-6 8-4 6-7 12.2 17-6 9-8	(200) 200 200 200 245 255 225 275	2.6 7.7 12.3 9.9 9.6 6.2 12.5	(180) 200 195 195 250 250	2.5 7.6 12.5 9.5 9.4 7.3	160 200 195 200 265	3.5 7.5 12.6 9.5	155 205 205 200	3.8 6.9 13.1 10.0	205 205	1.8 7.3	55 210 205	2•4 7•4 12•4	40 200 215	1.6 6.2 11.4	135 200 225	2•5 6•9	140 195	5•0 6•5	2.2	9
215 6-5 240 8-4 270 6-2 225 12-5 235 10-1 210 13-5 75 1-4 225 10-0	215 245 260 225 245 230 210	7·2 9·9 6·4 13·1 15·7 10·0 13·4	205 240 260 225 245 235	8.6 8.4 6.7 12.2 17.6 9.8	200 245 255 225 275	9•9 9•6 6•2 12•5	195 250 250	9•5 9•4 7•3	200 265	9•5	200	10.0	205							9•8	905			
270 6.2 225 12.5 235 14.3 235 10.1 210 13.5 75 1.4 225 10.0	260 225 245 230 210	6.4 13.1 15.7 10.0 13.4	260 225 245 235	6•7 12•2 17•6 9•8	255 225 275	6•2 12•5	250	7•3		8•6	265	7.7	OFF		~~			9•0	210	7•9	240	10•5 6•9	10•4 7•2	11 12
235   10·1 210   13·5 75   1·4 225   10·0	230 210	10•0 13•4	235	9-8				12-4	220	6•1 12•0	240 225	4•4 11•7	230 225	8•8 4•7 12•6	255 185 225	7•2 4•1 13•6	260 180 225	7•5 4•3 13•6	265 170 225	6•2 4•9 13•5	260 165 225	5•9 5•1 13•5	8•1 5•7 11•7	13 14 15
75 1•4 225 10•0			210		230	16•5 9•4	290 225	12•5 9•4	305 220	10•6 8•2	320 215	10•5 8•1	305 215	9•6 8•3	310 215	9•1 8•8	2 <b>95</b> 210	9•1 8•9	295 205	8•0 9•5	290 200	7•2 8•9	13•2 8•5	16 17
260 11-3		3·2 9·7	180 215	14•4 5•5 9•9	210 185 250	14•0 7•2 9•5	210 180 230	13•7 8•0 8•4	210 190 265	13•5 9•1 8•4	210 195 205	13•8 9•2 4•1	21.5 200 225	13•6 10•0 5•7	215 190 245	14.6 10.9 7.6	210 185 265	14•4 12•5 7•6	210 185 260	14.5 14.0 9.2	210 185 260	14•1	12•6 7•9 10•0	18 19 20
240 6.2		8·1 3·9	255 240	8•2 2•4	225 300	4·2 1·5	175 65	3•0 3•1	50 40	2·5 1·7	170 45	3•1 1•5	85 20	3•1 2•8	75 10	4•0 2•8	50 20	5•5 1•5	60 315	7•2 4•1	35 25	5.9	8·2 5·1	21 22
230   2·7 110   7·6 15   11·7		4.7 10.5 10.5	215 90 15	6•5 9•7 10•6	220 95 10	6.0 6.0 10.3	235 230 360	5•7 1•5 7•9	215 50 5	4.6 1.7 8.0	210 225 30	4.8 5.3 6.2	260 270 20	6·3 11·0 4·9	265 275 25	8•6 9•8 5•0	270 290 35	9·1 7·1 4·4	285 295 60	4.6 6.9 2.1	200 30 70	4·1 5·9 2·3	3•5 6•3 9•3	23 24 25
170 14·6 260 9·0		15·1 9·4		15•4 10•0	170 260	16·5 8·3		16·3 10·6	170 240	16.6	170 245	16·9 10·2	170 245	16•8 9•2	235 265	7•7 11•0	160 270	5•0 10•8	160 275	6•6 9•5	160 275	7•2 9•3	10•2 8•3	26 27
300 6-9	280	9•6	270	4•0	285	7•0	285	7-1	265	6•2	260	8•0	275	6-1	300	6•3	290	6•5	295	5•3	280	7•3	7.1	28
																								:
<b></b> 8.0		8•3		<u>8•5</u>		8•3	•••	7-8		7•5		7.7		7•7		7•4		7-1		7•0	*	7-1	7-7	
12 - 13	13 .	- 14	14 -	15	15 -	- 16	16 -	- 17	17	- 18	18 -	- 19	19	- 20	20 -	. 21	21	22	22 -	23	23 -	- 24	Meen	Day

415.

Hour G. M. T.	0.	. 1	1.	. 2	2.	- 3	3 -	. 4	4 .	- 5	5 -	- 6	6 -	- 7	7 -	- 8	8 -	9	9	10	10 -		u-	,
Day	270	m/s 7•9	270	m/s 9•0	230	m/s 6•5	o 225	m/s 5•0	o 205	m/s 5•2	o 185	m/s 5•3	190	m/s 6.2	o 175	m/s 9•0	155	m/s 10·6	0 155	10·9	165	m/s 9·4	190	m/s 8⋅5
2 3	300 185	9·7 6·4	300 260	7•6 5•3	300 300	6·9 7·7	295 310	7·1 8·6	300 310	7•3 7•7	300 305	6·6	295 305	5·4 8·5 1·2	285 315 60	3•4 7•2 1•9	225 330 170	2·9 6·4 4·5	275 300 175	2•7 8•1 5•7	260 310 185	4.0 5.5 6.2	255 300 220	4.2 6.6 8.6
<b>4</b> 5	190 250	2•3 4•5	60 260	1.6	60 245	2.3	55 240	2•0 2•0	55 240	2.8 1.9	60 200	2·5 1·9	60	1.5	65	1.3	50	1.9	185	1.7	210	2.7	220	5.1
· 6	220 145	5•0 8•0	225 140	5•5 6•4	215 145	3•6 7•6	215 140	3•6 7• <b>5</b>	205 115	3·4 6·6	185 90	3•5 6•1	185 90	4·0 7·0	175 90	3·8 5·7	175 120	3•6 6•2	200 150	4·2 8·6	210 145	5.0 10.6	190 145	5·3
8	140	8-2	130	8·1 6·7	135	8·1 5·6	150	12.0	140	9.0	130 100	5·2 10·5	130 105	8.2	140 100	7•2 7•7	135 100	8·1 9·0	135 100	10·1 10·0	1.35 95	10.6	135 105	9-1
9 10	100 65	8•2 4•3	95 55	4.8	50	6.3	55	6-7	65	6.6	55	5-8	50	5•5	50	4.0	45	5•4	55	5.1	60	5-6	50	6-4
. 11 . 12	55 90	6•5 4•6	4.5 90	5•6 3•7	50 95	5·1 4·7	50 90	5•0 3•9	70 100	3•7 4•9	75 105	4.1	65 90	8•3 3•7	65 95	9·0 4·9	70 95	7•0 5•6	65 100	5-0 5-0	50 105	3•5 6•5	45 115	5-0 6-2
13 14	125 105	7•0 5•7	135	6-4 4-5	145 95	5•9 4•8	135 100	6 • 2 5 • 7	130 105	6•7 7•0	125 105	7•1 6•5	115 115	7•3 5•2	115 105	7•6 5•3	125 95	6-1 6-2	130	5·1 6·1	140 115	7•0 6•7	140 125	7·5
15	100	8-0	105	8.1	100	9•4	95	8•9	95	7•5	95	7•4	100	8•6	120	9-9	120	8-4	135	10-2	135	10-6	140	10-0
16 17	100 300	9·1 9·3	90 300	8•1 9•6	100 305	6•8 8•8	110 3 <b>05</b>	5•5 7•5	90 305	5•7 7•6	90 3 <b>0</b> 0	5•4 8•0	95 300	5•3 7•2	95 300	5•8 6•9	95 310	5•1 4•6	100 300	4.5	130 295	3•1 4•9	145 275	3.8
18 19	160 170	8•2 11•0	160 165	7•9 10•7	165 160	7•1 11•8	170 170	8•1 11•6	175 155	8•5 11•7	170 155	7•8 11•8	170 150	9•2 12•8	170 150	9•3 12•9	170 150	9.0	170 145	9•9 10•8	170 145	9•4 12•4	170 150	9.5
20	170	3•4	175	4.2	175	3•9	174	3•4	170	3•5	160	3•9	165	3•9	1.60	2•7	155	4-9	165	5•0	180	5-2	180	6.6
21 22	185 205	5•0 7•3	180 205	5•4 7•2	180 205	6•4 7•8	180 205	6•2 8•6	185 205	5•4 8•4	180 205	9-4	170 205	8•0 7•9	170 200	6•6 8•5	175 240	7•7 8•8	180 235	8•0 7•8	185 240	7•7 8•C	185 255	10-2
23 24	255 265	9•0 8•4	250 260	9•0 6•6	245 215	8·1 4·5	230 220	8•3 4•6	230 2 <b>25</b>	10.2	230 205	12•3 3•2	235 220	13•0 3•7	235 220	12·1 5·1	235 230	12·1 6·9	235 230	12·8 7·7	230 230	12·9 8·5	230 230	8.0
25	205	7•2	215	7•6	215	6•8	206	6•2	210	6-5	205	6.2	205	6.2	200	6•6	210	7•3	210	6.7	205	6•8	205	6.6
26 27	210	6.2	210 100	5•2 1•7	225 105	3•4 1•1	220	3•7	215	4.1	210 65	3•5 1•0	220	2.8	195	2.9	180	3•7	185	3•4	185	2.9	185 275	3.2
28 29	45	1.2	50 50	1.5 2.3	35 40	1.5 1.5	40	2.5	70 50	2.4	70 50	1.9	100 35	1.3	180 40	1.5	45	1.0		•••	325 65	3·6 1·8	325 60	1.3
30		••••	195	1.1	225	2•3	210	2.5	185	2.4	195	1.8	185	3.0	205	2•3	205	3•2	205	3•4	225	2.9	195	3.1
31	200	3•4	210	4•0	195	3•3	210	3•2	230	3•2	230	3•4	245	3•7	255	3•8	260	4•5	260	3•4	265	4•3	<b>26</b> 5	6.0
Mean		6-0		5•7		5•5		5•7		5•7		5•5		5•7		5•7		5•9		6.1	***	6-4		6.8

416	WAT PROTA	OBSERVATORY:	u	- 17	matrac	1	13 metnes
410.	VALISHTIA	UBSERVATURY:	н_	= 17	metres	-	In metres

Day 1 2 3 4 5	330 10 60 310 345	m/s 4·0 10·0 4·3 4·2 6·7	9 360 15 40 320 340	m/s 2.5 6.8 1.8 4.9 6.8	0 355 10 70 320 335	m/s 1.6 5.1 1.3 5.6 6.4	350 5  330 320	m/s 3·6 4·4 6·6 6·5	0 355 10 75 340 320	m/s 4·4 3·6 1·4 8·4 6·7	360 40 75 335 315	m/s 3·7 3·1 3·1 7·9 6·2	20 40  330 305	m/s 4·2 3·0 ··· 7·8 5·2	20 30  330 300	m/s 5·3 3·5 ··· 7·6 5·1	0 15 25 45 340 290	m/s 4.5 5.0 1.1 7.5 5.3	360 10 30 320 270	m/s 7·0 5·5 1·7 9·0 4·9	0 350 20 30 320 275	m/s 7·3 6·4 3·2 8·5 6·3	0 350 20 20 320 320 290	m/s 8·3 6·3 3·3 9·3 7·0
6 7 8 9 10	250 180 225 230	9·9 5·0 12·3 14·7	250 235 215 220	8.5 6.2 11.7 14.0	55 255 215 210 225	1.4 8.5 4.2 11.9 13.5	50 255 225 210 215	1.3 6.8 4.9 10.7 13.6	60 260 240 225 210	1.8 5.6 5.8 11.4 13.2	40 250 230 225 210	2.0 4.5 6.6 10.6 11.7	50 215 245 215 210	2.2 4.3 8.0 8.6 12.9	155 195 260 220 225	3•4 4•2 7•9 10•0 12•7	130 270 265 220 225	3•4 2•8 6•7 10•3 13•0	135 210 260 210 225	5•4 2•9 4•7 11•0 14•3	135 210 260 215 220	7.5 2.6 4.5 11.4 14.3	140 220 225 205 220	7.8 2.5 4.1 10.6 15.2
11 12 13 14 15	295 75  200 280	7•0 5•2 ••• 5•5 5•2	295 80 155 190 270	6.6 4.0 1.8 6.6 5.8	295 85 160 175 280	6·1 4·0 5·0 6·5 4·6	295 80 165 205 250	6·1 3·4 5·8 6·9 1·5	290 70 165 225 260	5.8 2.7 6.1 8.0 3.7	290 95 180 245 170	5.5 3.5 4.8 10.3 2.2	285 90 180 255 170	5·4 1·9 4·8 12·3 3·3	295 65 190 270 165	4.5 2.7 4.4 11.1 2.2	285 40 215 290 175	4•7 3•2 6•5 10•0 3•5	295 65 205 285 210	4·1 3·8 7·5 11·4 4·2	280 110 210 300 225	4.0 3.1 8.1 9.2 4.4	270 130 210 305 230	3.6 3.8 8.0 8.1 4.7
16 17 18 19 20	270 300 290 275	4.7 8.8 5.5 5.1	260 295 270 270	6•8 9•4 5•8 4•6	240 315 260 290	5.5 9.4 5.8 1.2	240 325 180 260	7.5 10.8 3.4 2.3	230 320 160 270 95	9·2 8·6 4·7 2·4 1·7	200 330 160 180 100	6•3 9•3 6•0 2•4 2•5	235 310 245 180 50	7·1 6·1 5·8 1·0 1·4	235 305 240 145 45	7.6 9.6 5.8 1.0	240 315 240 160 50	7-9 10-0 5-4 2-5 1-4	230 320 260 150 290	9.7 10.5 6.4 2.8 1.6	230 325 260 150 270	6.8 11.0 6.7 3.0 1.7	240 325 260 150 260	8.7 11.1 6.3 3.4 3.5
21 22 23 24 25	60 340 10 65 110	1.2 8.4 8.1 2.9	60 340 10 60 55	2•2 8•8 8•8 2•5 1•6	335 340 10 30	1•2 7•8 7•6 3•4	340 360 40 70	7.0 6.5 2.6 1.1	300 340 355 60	1·1 8·1 6·3 2·5	40 345 5 30	2•1 7•6 7•3 2•7	50 340 5 45	2•5 9•4 5•5 1•8	340 345 360 30 360	3•6 9•0 5•7 2•9 1•8	330 350 10 30 60	4·1 9·6 4·2 5·0 4·8	340 345 15 25 50	5•2 9•2 6•3 6•0 6•2	360 345 20 15 45	4.0 10.3 7.8 6.2 5.1	345 350 20 20 60	6 · 2 12 · 2 7 · 9 5 · 4 5 · 6
28 27 28 29 30	50	2-1	55 55 50 180	1.6 1.1 1.5 3.5	70  180	1.0  4.5	60 40 50  170	1.3 1.8 1.2 	70 65  55 165	3•8 2•2 1•8 5•0	65 45 55 175	2-2 1-3 1-0 4-9	15 45 190	1.0 1.0 5.5	190	5.5	35 45 190 185	2.0 1.2 2.0 5.4	65 355 270 180 180	3.0 4.1 1.0 2.4 5.7	130 345 270 210 170	2.9 3.0 2.6 1.8 6.4	295 30 270 270 170	1.6 2.5 2.9 3.0 7.1
Men		4-9		4.9		4•5		4.5		4-9	,	467	***	4.5		4.7		5.1		5•9		6•0		6+3
G. N. T.	0 -	1	1 -	2	2 -	3	3 -	4	4 -	5	5 -	6	6 -	7	7 -	8	8 -	9	9 -	10	10 -	11	11 -	12

WIND: DIRECTION AND SPRED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. +  $H_a$  (height of anemometer above ground) = 17 metres + 13 metres

MARCH, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
265 215 306 225 230	8-7 4-9 6-9 9-0 6-0	270 230 300 230 230 220	10-5 4-7 7-3 9-0 5-3	270 225 315 230 225	m/s 11·3 6·1 8·4 8·5 6·4	295 220 305 230 255	12·4 5·2 6·2 8·2 5·4	9 300 215 295 230 230	m/s 15•0 4•7 6•3 8•0 5•1	320 185 265 215 225	m/s 14·0 3·7 4·5 7·0 5·4	330 160 265 205 215	m/s 14·2 4·4 4·9 6·4 5·2	330 160 280 220 175	13·4 5·0 7·1 6·5 5·6	325 155 270 225 170	12·2 5·4 5·9 6·9 5·7	315 165 270 225 210	m/s 10·0 4·7 5·3 7·2 5·0	315 175 290 265 190	m/s 9·1 6·6 3·3 5·5 4·3	310 205 325 265 220	m/s 8•8 6•7 3•1 4•8 5•5	m/s 9•7 5•4 6•4 5•4 3•8	1 2 3 4 5
180 140 135 95 45	5-6 9-1 10-8 9-9 8-2	180 150 140 120 50	6.2 10.4 9.3 9.7 6.0	180 160 135 105 55	6.3 10.0 8.1 8.6 4.8	180 155 140 105 45	6 • 2 4 • 2 9 • 2 9 • 2 6 • 5	180 360 140 105 50	5.2 4.2 9.1 6.1 5.6	165 50 140 106 55	5·1 2·9 9·6 5·4 5·1	155 50 135 100 70	4.9 4.1 7.4 6.1 3.3	150 150 125 80 50	6.3 3.9 6.7 6.6 1.9	150 150 110 80 25	6.5 6.5 6.5 5.1 4.3	140 145 100 70 25	5.6 6.6 6.1 3.0 7.5	140 140 95 90 30	4.5 7.3 6.7 3.5 8.6	140 145 90 90 50	5•9 9•3 8•0 3•8 7:0	4.9 7.0 8.4 7.5 5.6	6 7 8 9 10
55 130 140 125 135	4.6 5.3 6.6 5.6 11.2	50 125 150 125 130	3•3 6•0 6•3 6•4 10•9	45 110 155 150 135	4.2 6.7 7.6 6.7 10.4	55 110 140 145 140	4.0 7.2 6.8 6.7 9.9	55 120 160 125 135	3.9 5.6 5.7 5.9 11.7	85 130 160 105 130	3•3 6•1 6•2 5•8 9•1	90 125 150 110 125	4:3 5:9 7:2 6:3 7:8	90 140 110 115 125	5.0 5.4 5.1 6.8 8.5	110 130 105 115 120	6·1 5·9 5·9 7·9 9·6	115 130 90 105 115	4.7 5.6 6.7 8.1 9.6	75 130 90 120 105	3·4 6·2 5·0 6·4 10·0	70 135 100 90 110	4.6 7.1 5.0 8.5 9.5	5.0 5.5 6.4 6.3 9.4	11 12 13 14 15
165 270 175 150 185	4.5 4.8 10.0 12.3 6.1	170 270 175 165 185	4.5 5.0 10.6 11.7 6.4	180 270 170 175 185	4.7 4.3 11.2 11.2 7.5	225 220 165 175 180	6.0 4.2 11.5 10.8 7.7	290 220 155 175 180	9·8 4·2 12·2 9·7 7·0	305 190 155 175 180	8·1 4·5 12·3 8·5 6·3	315 180 160 180 180	8.9 4.5 12.3 7.7 5.5	315 170 155 190 185	8·7 5·3 11·4 8·0 4·6	300 160 155 195 175	8.5 9.1 11.6 7.6 5.0	305 155 165 215 170	9.9 9.3 10.8 5.0 5.0	300 145 175 190 155	10.0 6.3 10.0 3.4 6.4	295 155 17 <b>5</b> 160 160	9-8 7-6 11-0 4-5 5-9	6•7 6•4 10•0 10•1 5•2	16 17 18 19 20
185 260 245 235 210	7-9 11-7 11-5 8-2 6-8	190 255 250 235 210	7.9 12.1 11.6 7.7 6.5	195 260 255 230 230	7•4 11•5 11•7 7•6 6•0	200 260 250 220 225	6.7 10.3 10.3 7.1 6.1	205 265 260 210 220	6.5 9.2 10.0 6.1 5.8	210 265 260 200 210	5.9 8.9 9.7 6.6 5.7	210 270 250 185 205	6•4 9•5 8•8 5•6 5•0	210 270 250 185 210	7·2 10·7 8·5 5·4 4·8	210 270 250 185 195	7.5 10.3 8.0 7.0 5.0	205 260 260 195 200	7•7 9•9 9•4 7•1 4•8	200 260 255 215 205	5.8 10.2 9.3 8.0 5.5	205 260 255 210 205	7·1 10·2 8·4 7·4 5·5	6.8 9.3 10.4 6.5 6.2	21 22 23 24 25
210 295 330 25 185	3•3 2•5 3•7 1•0 3•7	210 335 310 240 205	3.6 3.3 3.9 1.2 4.3	180 335 305 275 225	3·1 2·9 3·8 2·4 4·4	185 306 315 280 225	4.0 2.4 3.0 3.0 4.5	180 325 275 280 225	3·4 3·2 3·5 3·4 4·3	180 245 265 270 220	3.2 2.2 2.7 2.0 3.9	175 195 165 275 200	3.5 2.2 3.0 1.5 3.5	175 155 285 195	3•4 2•6 1•0 3•1	175  315 185	3•0 ••• 1•0 3•5	190 325 275 190	1.7 1.4 1.4 3.2	160 10  190	2•3	30	1.5 1.8 3.7	3·4 1·3 2·1 1·6 3·1	26 27 28 29 30
270	4-8	275	5•3	275	3•3	270	3•1	275	3•2	270	3•3	270	3•0	270	3•0	275	2-7	280	1-6	320	2•7	340	3-0	3•5	31
	6•9		7•0		7•0		6•7		6•6		6•0		5•9		5•9		6•2	•••	5•9		5•7		6•0	6•1	

APRIL, 1935

o 345	<b>m/</b> s 9~0	<b>o</b> 350	m/s 9•3	o 350	m/s 9•9	o 350	m/s 9•4	o 250	m/s	0	12/8	0	m/s	0	m/s	0	m/s	٥	m/s	۰	m/s	۰	m/s	m/s	
20	5.0	20	5.2	10	5.5	15	7•0	350 20	9•8 5•8	360 10	9•7 5•7	10 20	9·4 5·4	10 15	8•0 6•3	10 10	9•0 7•3	5 10	8•5 6•9	5 5	8 • 6 6 • 2	5 10	10.0 4.5	7•0 <b>5•</b> 6	2
320 320	3•9 10•2	320 320	9-9	310 320	4•3 10•0	325 320	5·4 9·9	330 330	6.2 10.1	335 355	6•6 8•6	340 355	5•3 8•3	340 360	4•0 7•6	335 360	3•3 7•4	350 360	3·0 7·1	355 360	2·1 7·0	320 360	3•4 6•9	3•1 7•9	3 4
<b>30</b> 0	6-9	320	11.0	350	9•7	345	8-8	325	8-1	330	7•8	355	5•9	350	5-1	345	3•9	330	3•0	25	1.0		•••	6-0	5
160	8•3	135	8•9	115	9-9	130	10-9	135	7-8	230	7-9	250	11.1	260	11.6	255	12-1	260	11.7	260	11-6	260	10-6	6-7	6
270 180	2•1 4•8	270 170	2•3 6•2	280 155	2•8 7•0	310 145	4•4 7•2	270 130	4•0 7•9	270 110	4•4 7•8	290 110	4·3 11·8	270 140	4.2	260 175	5•0 9•0	230 230	3•6 8•5	195 225	3•8 9•5	180 220	3-9	4•5 7•1	7 8
205 220	10•2 15•4	200 220	10-7 15-5	185 220	8.5 16.4	185 225	8•2 15•9	170 225	6-9 15-0	175 225	9•2 14•9	180 235	10·2 11·4	185 240	11·3 8·1	190 255	12•2 7•5	190 290	14•6 7•9	190 305	13•3 7•2	210 305	15-2	10-9	9 10
															0-1									12.7	
275 165	4•0 3•5	270 150	4•1 3•6	270 165	3•7 4•2	270 165	3•3 4•9	300 155	2•9 5•1	330 145	2•8 <b>5•4</b>	325 130	3•2 6•2	120	5-7	85 105	2.2 5-8	90 100	5.2 5•7	85 245	4.4	80 2 <b>45</b>	3.8 1.8	4·3 4·1	11 12
210 320	7-2 7-2	210 320	7•7 6•5	225 300	7•7 5•8	225 280	7•8 5•6	210 2 <b>75</b>	8•3 5•6	200 280	7•7 4•6	200 270	7•1 4•9	230 270	5•9 5•8	180 275	4•8 5•9	185 285	5•6 5•5	180 285	6•4 3•6	∍ 175 270	6 • 9 5 • 6	6-1 7-2	13 14
225	5-0	215	5-4	200	5•9	220	6-6	230	5-4	220	5.0	235	4.7	270	5•4	275	3-6	300	3-2	290	4.8	275	4.5	4.4	15
240	8-1	245	7-1	265	8.0	270	9.2	320	8-8	355	7-9	350	11.9	355	12.3	340	9-0	330	9-6	320	10.0	300	9-7	8-3	16
320 260	10-8 6-1	3 <b>15</b> 225	11•3 7•0	310 225	10·6 7·9	320 225	9•6 6•4	315 230	9•8 7•5	310 225	8•5 6•2	310 235	8•3 <b>5•</b> 9	305 210	7•1 3•5	300 175	8•0 3•9	300 170	8•6 5•2	300 220	7•0 4•6	295 220	6·1	9•2 5•6	17 18
115 270	3·9 3·7	11.5 335	4·1 3·9	125 320	5·1 3·5	135 320	5·0 3·1	105 50	4·3 2·9	95 110	5•4 3•8	95 160	4·1 2·5	85 90	3.8	90 30	3•4 1•2	90	4.1	80	3•6	75	3•5	3•4 1•9	19 20
335	6•3	330	6.5	340	7-6	330	8-1	340	8•5	335															
350	12.9	350	14-0	360	12.2	360	10.9	355	11•4	350	8.0 12.7	345 360	6·7 10·1	33 <b>5</b> 360	6·1 8·2	335 5	6•4 8•0	340 5	9·5 11·5	345 5	7•8 11•0	340 5	8.1	5·1 10·1	21 22
20	6•8 5•1	20 5	7•2 5•2	20 10	6·5 6·3	20 15	6•7 6•6	20 360	6•7 7•6	15 10	6•8 7•5	15 15	7•0 6•8	10 30	6 · 2	10	5•3 1•8	15	6.6	15	5•7	30	4.0	6•6 4•0	23 24
45	6-7	50	6+2	45	4-1	180	2-2	130	4•0	80	5•0	150	4.2	165	4.8	155	3-5	160	1.9	75	1.0	75	i·i	3-1	25
250	2-8	225	3-9	260	4.5	255	4.0	255	2.9	265	3•7	220	4.0	180	2.5	180	1•9		•••	60	1.1	55	1.7	2-3	26
175 265	2•4 3•5	290 265	2•3 3•7	205 265	3.4	205 265	5•2 4•1	215 265	3•4 3•8	260 260	3•9 2•7	185 250	1.7 1.6		•••		•••		• • •		•••	55 55	1.2	1.9	27 28
230 170	4•9 6•9	225 185	5•1 6•2	175 160	4.8 6.5	215 175	4•5 5•8	175 170	5•0 6•2	180 170	5•4 7•2	190 165	5•0 6•6	180 170	4•7 4•8	190 185	4·4 5·3	170 160	3•5 5•3	135 160	3•4 4•8	180 160	4-5 6-0	3•0 5•5	29 30
			"					2.0		2.0		100	0.0	1,0	1	100	<b>J</b> -3	100	<b>U</b> -3	100	4.0	100	0-0	3-5	30
	6-5		6-8		6-9		6-9		6•7		6-8		6-5		5•7		5-4		5-6		5-2		5-2	5-6	
12.	- 13	13	- 14	14	- 15	15	- 16	78	- 17	17	- 18	18	- 19	10	<b>- 20</b>	20	- 21	21	- 22	22	- 23	22	- 24	Moon	Day
									-				- 40		- ~		- **		- ~~						

WIND: DIRECTION AND SPEED

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

417. VALENTIA OBSERVATORY:

Dines Pressure Tube Anemometer from January, 1926

H_a (height of anemometer above M.S.L.) = Height of ground above

		essur	e rub	o Alle			ОШОА						(11016	<del></del>							r			
Hour G. M. T.	. 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 1 2 3 4 5	0 155 180 130 90	m/s 5·8 5·8 1·0	0 140 155 105	m/s 5·2 7·2 4·2	0 150 160 100 75	m/s 5·6 8·0 4·8 1·2	0 145 160 115  160	m/s 5.0 8.4 3.9	140 160 120	m/s 5•7 7•1 1•3	130 165 145 160	m/s 6·2 6·9 5·5	0 130 165 155 60 160	m/s 7·3 6·7 5·5 1·2 1·6	0 135 165 130 50	m/s 6·9 6·7 4·9 3·5	0 115 170 155 50	m/s 4·6 6·6 3·8 4·1	0 145 165 120 30	m/s 7·3 6·5 4·0 3·9	0 145 155 130 50 220	m/s 7·6 6·4 2·9 5·7 1·0	0 145 150 120 55 275	m/s 5•7 7•5 5•2 5•3 1•6
6 7 8 9 10	60 55  80 75	1.4 1.0 1.0	55 50 55 	1.0 1.0 1.2	55 50 345	2·5 1·6	65	1.1	50 60	1.5  2.5 2.7	50 55 80	1·2 2·8 1·1	50 45 50	1.0 1.6 3.6	65	7·1	20 25 265	1·1  6·4	265  270 50	2·4  1·4 6·5	265 310 260 40 50	1.0 1.6 3.4 6.9	270 330 255 40 45	2·4 3·7 2·4 7·9 6·7
12 13 14 15	90 10 55	4•2 1•6 2•5	80 10 50	4·2 1·1 1·6	75 360 50	5•2 4•2 3•3	50 70 360 50	1·3 4·5 4·1 2·9	45 80 5 50	1.4 4.7 5.3 3.0	75 10 55	4·1 4·0 1·9	70 10 55	4·4 5·9 1·0	80 15 45	3·5 5·0 1·0	80 20 260 45	4·1 3·7 1·9	70 30 290	4.0 5.4 4.3	50 70 55 285	2.5 4.3 6.5 5.1 8.1	45 100 40 290	4.9 3.5 6.9 5.4 6.5
17 18 19 20 21	280 10 275 335 65	2•9 10•1 6•3 5•5	230 10 270 340 80	2.6 9.0 6.8 6.0	250 10 265 360 80	1•4 7•4 8•5 5•0	160 20 275 345 65	1.0 4.6 6.1 4.8	330 40 275 340	2•7 2•5 5•0 4•9 5•7	330 50 290 345 65	4.9 2.2 5.0 5.3 4.3	310 35 300 340 40	9.0 3.7 5.0 4.5	10 345 280 340 55	12.5 3.0 5.8 4.6 5.1	10 40 275 25 50	13.5 3.2 6.0 3.3 6.8	10 330 290 15	13.6 5.3 5.4 4.1 8.1	10 315 275 10	13.8 5.6 6.5 6.1 8.1	10 320 275 25 40	13·2 5·6 7·0 7·5
22 23 24 25	50 70 70 75 80	2.5 2.8 4.7 5.4	70 70	3•8 2•8 5•0 2•5	55 95  70 80	4•3 2•2 4•7 2•5	90 95 60 30	1.3 1.9 3.1 1.4	75 80 25 90 45	3.6 2.4 1.0 1.6	75 65  30	2.5 5.0	45 50  70	1.8	40 50 50 65	1.9 3.9 2.1 5.4	285 45 60 50 310	1.0 5.3 4.5 4.7	55 50 40 50	3•4 9•8 5•4 4•8	50 40 60 55 285 310	5·1 10·2 6·3 5·0 3·0 2·4	10 40 45 55 215 320	5.8 8.9 6.5 7.4 3.4 3.8
27 28 29 30	50 65 60 155	1.0 1.2 1.1 1.2	60 20	1.5	60 60	1.6 1.7	60	1.7 1.9 1.6	55 50 185	1.9 1.3 2.0	55	1.1	150 175	1.0 3.0	200 175  185	1.0 2.9 	300 170  185	1·2 3·6 ···	310 180 300	1.8 3.4 1.1 2.5	270 190 290 195	2.7 5.4 2.0 5.2	275 185 275 185	2·5 6·6 3·7 5·9
Mean		3•1		2•8		3•1		2•7		2.7		2.6		2•9		3•4		3•4		4.1		5•0		5•7

418. VALENTIA OBSERVATORY: H, = 17 metres + 13 metr	TO AT GO . T) WOAT GO .	./ metres	- 1/	ᅲ	ODOUGNATORI	ALTMELA	410.
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Day 1 2 3 4 5	0 135 170 195 145 50	m/s 7·1 6·1 8·3 6·0 2·7	0 115 210 190 140 35	m/s 5•3 5•0 8•3 5•9 3•0	80 210 190 75 40	m/s 3·8 5·4 7·7 4·3 1·4	95 210 185 65 20	m/s 5-4 5-6 7-9 4-6 1-6	95 200 185 90 60	m/s 5·4 5·2 7·8 6·3 1·0	0 105 195 185 80 340	m/s 6·3 4·9 7·8 5·0 1·9	0 110 195 180 80 340	m/s 8.0 5.7 8.1 5.2 3.5	0 110 205 175 85 340	m/s 8·0 8·0 8·2 5·0 4·7	0 100 195 165 95 330	m/s 7•4 9•2 8•6 4•9 5•2	90 185 180 95 330	m/s 6.5 9.8 9.4 5.1 5.6	0 140 190 175 65 335	m/s 8·8 10·6 9·9 5·1 5·7	0 145 190 180 75 310	m/s 8.5 11.5 11.2 3.5 4.4
6 7 8 9 10	190 180 275 185 165	5•0 7•4 8•7 5•1 7•9	175 190 275 200 155	5.5 7.2 8.6 4.8 7.2	155 185 265 195 150	6•7 6•0 8•3 5•8 6•4	165 175 270 195 150	6.5 5.6 9.7 7.2 6.1	155 155 285 190 145	8.5 6.9 6.7 7.4 6.3	155 155 270 185 90	9•6 4•5 7•4 6•9 4•5	150 155 270 190 100	10-2 5-4 8-0 9-1 4-9	170 210 270 190 90	10•3 4•5 8•1 10•1 5•0	200 230 265 190 90	9·1 5·2 8·1 11·2 5·5	210 260 260 185 105	8-9 6-0 8-2 11-0 7-3	215 275 265 185 85	8•7 7•0 8•8 11•1 3•8	230 265 265 185 90	7-6 8-1 8-2 10-6 5-0
11 12 13 14 15	(295) 240 210 140 185	5.8 4.1 6.0 2.8 2.3	(310) 235 210  195	9·1 4·4 5·3  2·3	(315) 270 210 65 210	8·9 5·1 6·0 1.0 2·6	(310) 240 215  270	7·2 5·0 6·1 3·2	(295) 240 210 175 275	7•4 4•9 5•9 2•4 3•0	(290) 235 230 60 280	8•8 4•7 4•8 1•0 2•4	(295) 240 210  290	9·2 5·0 5·8 	300 235 205 260 280	9•5 5•6 6•7 3•8 5•0	300 220 195 240 275	8•9 5•7 7•6 4•8 6•2	290 240 190 270 285	9•6 6•5 8•0 5•4 5•4	285 240 180 255 275	9·1 7·5 8·2 5.4 7·4	275 235 170 260 275	9•0 7•4 6•7 5•1 6•9
16 17 18 19 20	300 190 245 170 170	5•7 2•3 6•6 7•0 9•8	295 175 245 165 175	4.9 2.1 6.9 7.3 10.1	295 55 255 165 190	5.2 1.2 7.6 8.0 10.3	295 155 255 165 210	5.5 1.9 7.7 7.1 11.4	300 140 260 180 215	5.5 2.1 7.2 5.9 9.1	300 150 270 175 225	5·4 3·3 5·1 6·8 9·3	295 140 265 180 220	5·2 3·5 4·7 7·3 7·5	295 135 260 180 225	5.5 4.5 5.5 6.3 7.4	295 135 255 180 230	5·1 5·6 5·1 7·2 7·2	295 130 260 180 210	6.0 7.0 5.6 8.3 7.0	300 115 260 185 210	5•9 5•6 5•8 7•3 7•7	290 110 260 180 215	6.5 6.3 6.0 6.9 8.1
21 22 23 24 25	190 160  35	12.0 6.2  10.1	195 160 50 165 30	11.7 6.4 1.0 1.2 10.9	200 145  35	11·1 7·5 ··· 9·0	210 135 40  20	10.9 5.3 1.5 	210 160  30	5•5 6•6  9•7	230 150  40 40	4•4 7•2 3•0 7•8	230 150  15 40	4.8 6.7  3.5 7.1	230 170  15 30	4.9 4.9 4.8 9.9	230 160 325 5 20	5•4 5•1 3•0 6•4 8•4	210 170 335 10 25	6•5 5•5 3•0 6•0 8•9	215 180 320 15 30	7•0 6•3 3•4 7•3 8•9	220 290 305 35 30	8·1 4·0 3·7 5·7 5·3
26 27 28 29 30	340 305 205 180 330	4.8 4.9 5.5 6.1 2.4	345 300 210 185 10	3.8 4.2 7.1 5.0 1.7	315 300 210 180 5	1.0 3.7 7.0 5.9 1.0	255 300 210 165 360	1.0 2.8 7.0 6.5 1.8	310 275 215 160 20	1.8 2.2 5.8 6.6 3.0	305 255 210 170 35	1·3 2·0 4·9 7·1 1·9	315 255 190 170 5	1.0 2.8 4.6 7.7 2.5	80 245 190 170 360	1·1 3·4 4·6 7·1 3·1	220 180 180 340	4•2 • 5•6 8•2 3•8	235 185 180 330	4•5 5•7 8•0 3•9	190 220 190 175 320	2.0 5.3 6.4 8.2 4.7	215 215 185 180 330	2-8 5-7 7-0 9-2 5-0
Mean		5•7		5•6		5•3		5•4		5•2		5•0		5-4		5•9		6-3		6•6		6-9		6•8
Hour G. M. T.	ο.	- 1	1 -	2	2 -	3	3 -	4	4 -	5	5 -	6	6 -	7	7 -	8	8 -	9 .	9 -	10	10 -	11	11 -	12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L.	+ ]	<b>1</b>	(height	of	anemometer	above	ground	) =	17	metres	+	13	metres	
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MAY, 1935

12	- 13	13 -	- 14	14	- 15	15 -	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23 -	- 24	Mean	Day
145 155 130 85 280	m/s 6-2 7-0 8-1 5-2 3-4	0 150 150 105 65 270	m/s 6·8 7·1 7·0 5·5 3·2	0 150 165 105 60 270	m/s 6·4 5·9 5·5 4·7 3·9	0 155 170 100 60 270	m/s 6·2 5·7 4·6 3·1 4·0	0 150 165 90  270	m/s 6·2 5·5 4·0 3·8	0 150 160 95  275	m/s 6·3 5·0 4·7	90 325 275	m/s 6.5 4.5 4.7 1.0 2.2	0 155 135 85	m/s 7·6 5·5 4-7	60 135 80	m/s 7·6 5·9 3·4	0 165 140 75	m/s 8.0 6.9 3.1	0 170 140 90  55	m/s 7.0 5.6 2.2	0 175 135  170	m/s 6.7 6.0 1.1	m/s 6•4 6•4 4•3 2•1 1•8	1 2 3 4 5
265 315 40 40 55	1-2 3-0 5-0 6-7 5-6	265 270 40 25 60	1.7 1.0 6.5 6.4 6.1	270 160 35 50	3•2 7•5 6•3 6•5	270 275 160 60 105	3.8 1.1 5.8 4.9 6.4	270 330 170 180 100	2•4 2•1 3•1 6•5 4•9	270 350 280 200 110	1.5 2.2 2.8 4.2 4.9	270 300 345 100 100	1.6 1.8 3.3 2.7 4.0	325 290 330 105 75	1.8 1.2 1.7 6.3 1.8	335 195 350 110 85	1.6 1.0 1.0 5.8 4.1	90	4·4 5·4	70 80	1.5 5.3	 -85 80	2.6 5.9	1.5 1.1 2.0 3.5 4.4	6 7 8 9 10
55 55 140 45 290	6.5 6.0 4.1 5.9 5.5	60 60 135 40 290	7•9 5•9 3•9 6•0 7•£	50 215 180 45 295	7·1 4·5 3·9 6·5 6·8	30 255 215 40 320	4.6 4.0 4.2 6.4 8.2	270 235 210 35 340	4.5 3.4 4.5 6.2 10.5	215 250 210 45 5	3.5 2.9 3.6 6.1 9.8	235 210 190 45 5	3.6 3.6 2.5 5.7 11.6	220 170 245 175 5	2.3 5.2 2.5 3.4 13.4	160 255 155 5	2.9 2.2 1.9 14.3	95 255 170 10	5.0 1.8 1.5 13.4	90 170  25	5·4 1·8	90 5 55 30	4·3 3·5 1·4 9·3	2.9 2.8 3.7 4.4 6.4	11 12 13 14 15
25 10 325 270 20	5.8 14.1 5.8 7.1 8.9	35 10 310 275 20	5·3 12·0 5·0 6·1 9·2	25 10 310 275 25	5.9 13.0 5.7 6.8 8.6	330 5 295 320 30	5.9 12.2 5.6 6.4 6.2	325 360 285 315 55	5.9 12.8 6.0 5.6 6.7	325 5 290 310 55	5.8 10.8 6.7 5.9 5.0	325 5 285 330 60	6·1 11·7 6·2 6·1 5·9	20 5 285 345 65	3.9 11.1 5.4 6.0 4.0	20 5 285 340 65	2.9 11.4 5.3 6.3 6.4	5 10 290 345 85	1.5 10.5 4.6 6.2 5.1	315 25 270 355 75	2·2 9·7 5·7 5·6 5·1	310 10 270 340 65	2•3 10•0 7•0 5•4 7•2	5.5 9.6 5.5 6.1 5.8	16 17 18 19 20
45 10 35 15 55	7-8 6-7 7-3 7-0 7-7	45 15 40 10 45	8.5 6.9 6.9 8.0 7.7	55 15 35 5 15	8.5 6.0 7.6 8.5 7.2	60 10 40 10 355	8·2 6·2 7·0 8·4 7·6	70 360 45 5 360	8.9 6.7 6.8 8.2 6.8	65 360 30 5 15	8·8 7·4 8·6 7·9 6·4	55 360 45 10 50	7·2 6·2 7·5 5·7 6·9	50 360 45 25 45	4.6 6.1 6.0 2.4 3.7	55 55 70 30 70	3.0 4.0 6.8 1.8 6.0	50 50 85 40 70	2.0 3.2 5.6 1.7 6.6	55 70 15 75	4·4 5·1 1·5 6·0	50 65 60 60 80	1.4 5.9 5.2 3.5 4.4	5.9 4.4 5.8 4.1 5.2	21 22 23 24 25
265 275 280 185 275	4•7 3•5 3•6 7•5 2•9	280 275 180 185 280	4.8 3.8 4.9 6.6 3.5	280 275 180 185 280	6 • 4 4 • 2 4 • 5 6 • 8 3 • 2	280 285 280 180 290	5.0 4.0 4.7 7.4 3.5	270 280 285 175 280	4.5 2.7 4.4 8.0 3.4	280 280 285 180 280	5·1 2·3 3·2 7·4 3·5	285 280 280 180 280	3.6 2.6 1.9 7.5 2.3	295 270 290 170 290	2.5 1.0 1.2 7.5 1.3	160	1.2	155	1.4	150 185 170	1.5 1.4 1.0	60	1.5	2.7 1.7 2.0 4.2 1.6	26 27 28 29 30
190	<b>5-8</b>	195	6•6	190	7•5 _6•1	195	6•8 5•7	185	7•5 5•6	185	7•7 5•3	185	7•4 5•0	180	7•1 4•3	165	<b>5•1</b> 3•9	135	3•6	115	3-2	125	3•4	4-1	31

JUNE, 1935

0 140 185 190	m/s 9·5 11·7	0 140 190	m/s 8·3 12·1	0 145 195	m/s 9·0 10·8	0 140 190	m/s 8·5 9·9	o 135 190 215	m/s 8·4 10·8	0 140 195	m/s 10·1 10·7	0 140 195	m/s 10·5 10·5	o 135 195	m/s 9-2 9-8	o 125 195	m/s 8·8 7·9	0 120 200	m/s 7•7 7•9	o 125 190	m/s 7•5 7•1	o 150 195	m/s 7•3 7•9	m/s 7-7 8-5	1 2
60 285	8·4 3·3 5·7	195 45 295	7·8 5·2 5·9	80 310	7•5 4•8 5•1	205 65 285	9•3 4•8 5•8	50 285	10·6 5·3 5·2	210 45 275	9·4 5·8 5·1	200 45 280	7·1 5·7 4·2	190 50 265	6·1 5·6 3·2	185 45 230	6·1 5·0 2·5	160 20 175	5.5 6.5 3.1	160 30 170	6•4 6•0 3•6	160 45 180	6·2 3·8 4·1	8•1 5•1 3•9	3 4 5
235 275 265 185 75	6.9 7.6 8.2 12.5 5.9	225 290 265 185 80	8.0 7.7 7.7 11.7 5.2	210 300 265 185 80	8.9 7.6 6.9 11.9 2.4	215 305 270 185	11.5 7.9 5.9 11.5	220 300 250 185 55	8.8 8.7 6.0 10.8 2.0	190 295 240 185 65	6.7 8.4 5.8 10.5 3.2	180 290 240 180 45	7.2 8.8 6.3 10.0 1.7	180 280 235 160	7.9 8.6 5.1 10.8	175 275 205 160 340	7•3 9•5 4•7 10•9 1•0	165 280 180 165	8.2 9.1 4.6 8.9	180 275 175 170 (330)	8.5 9.2 4.7 7.6 2.6	170 265 180 170 (335)	6.6 10.2 4.6 8.1 2.7	8.0 7.4 7.0 9.4 4.1	6 7 8 9 10
280 235 165 260 275	8•4 8•0 8•6 5•7 6•4	270 235 160 250 275	7•7 7•9 7•4 5•8 7•3	265 235 135 265 275	9·1 8·6 7·6 5·2 6·9	265 210 180 255 280	9-2 7-8 8-9 5-5 6-1	255 205 215 255 285	8·8 7·1 7·6 5·5 6·0	260 210 230 260 285	7.7 6.7 6.9 4.9 6.1	265 220 190 255 295	6 • 2 6 • 9 5 • 8 5 • 0 5 • 5	255 230 220 255 300	7•7 6•2 6•8 4•2 5•3	245 220 205 225 300	6.2 5.2 6.0 3.6 5.5	235 190 190 210 300	5·1 4·5 4·6 3·0 5·2	245 205 170 195 295	5.6 4.5 3.3 2.7 5.0	240 200 145 185 300	4.8 5.0 4.0 2.6 5.5	7•9 6•0 6•4 3•6 5•1	11 12 13 14 15
290 110 260 185 215	5-8 8-0 6-5 8-0 8-1	285 110 265 185 210	6 • 2 9 • 4 6 • 4 7 • 8 8 • 5	295 120 265 200 210	6•3 7•5 6•3 8•6 7•6	285 130 260 215 190	6.5 9.0 5.6 8.6 7.3	285 130 240 215 190	6·3 8·6 5·3 7·2 7·4	295 145 230 210 190	5·4 6·9 5·2 6·3 7·7	300 160 230 210 180	4.8 6.6 3.8 6.7 7.3	300 190 195 205 175	4.0 5.5 3.7 6.8 7.0	295 210 175 196 160	3·1 6·1 4·2 7·7 6·7	290 210 180 180 170	2-6 5-8 4-6 8-7	275 220 185 175 165	3·3 7·0 5·4 9·0 8·8	230 240 180 175 180	2-1 6-5 6-4 9-7	5·1 5·5 5·7 7·5 8·4	16 17 18 19 20
195 310 20 35	7.5 4.5 6.7 4.3	200 275 325 20 35	7•4 2•0 4•8 7•0 4•7	190 275 320 5 40	7·2 3·0 6·9 6·7 6·1	185 280 330 10 40	6•7 3•8 7•4 6•7 4•4	180 280 335 15 50	7•2 2•9 6•8 6•6 4•9	190 275 345 10 50	6·1 3·0 6·1 5·3 4·9	190 280 335 15 50	6·2 2·5 6·3 6·4 4·0	190 325 340 25 55	4•3 1•5 6•5 7•3 3•3	180 350 20	2·7 5·2 7·2	115 5 40 325	3·4 2·8 7·5 3·7	135  125 50 340	2·6 1·1 7·7 4·7	145  90 35 360	5-2 1-0 8-0 3-9	6.6 3.9 3.3 5.1 6.5	21 22 23 24 25
275 210 180 175 315	2·1 6·8 7·4 9·3 4·5	270 210 180 180 305	1.7 7.0 7.4 8.5 4.5	265 215 196 180 315	1.5 7.1 6.1 7.2 4.9	255 215 205 180 320	2·3 7·1 5·3 5·7 4·8	260 215 185 185 310	3·2 7·1 6·5 5·6 3·8	305 225 190 185 295	3·3 6·3 6·1 5·4 4·1	315 220 180 190 300	4.6 5.4 7.0 4.1 3.9	315 215 180 300 305	5•4 6•0 7•7 3•0 2•8	315 210 175 295 305	5.8 6.0 5.2 3.3 1.2	315 215 175 330	5.5 6.3 5.6 1.2	315 215 175 15	4-9 5-9 6-7 1-0	315 215 170  50	5-2 5-7 7-4 1-5	2.8 5.1 6.2 5.9 3.0	26 27 28 29 30
	6.8		7-0		6-8		6-8		6-7		6•3		6-0		5•7		5-2		5•0		5-1		5•3	6•0	
12 .	- 13	13 -	. 14	14 -	- 15	15 .	- 16	16	- 17	17 .	- 18	18	- 19	19	- 20	20 -	- ខា	21 -	. 22	22 -	23	23 -	24	Men	Day

338 419. VALEN Din	ITIA ( nes Pi	)BSER\ ressur	<b>የልጥ</b> ር <b>የ</b> ፕ	ection Y: be Ane					s fro	om Nor		E = 90	o, s	= 180										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	n -	
Day 1 2 3 4 5	190 260 245 215	3.2 1.8 7.3 4.6	55 215 230 245 220	m/s 1.5 3.0 2.7 6.4 4.2	50 220 220 250 250 225	m/s 1.5 4.3 3.0 7.2 5.5	50 220 210 250 245	m/s 1·8 4·4 2·7 7·4 6·0	50 225 225 250 250 245	m/s 1.6 4.3 3.4 6.0 5.2	225 180 250 250 215	m/s 3.7 3.2 6.2 4.3	215 210 260 220	m/s 3•4 3•9 5•4 4•4	0 170 245 215 255 235	m/s 2·9 3·6 4·7 4·5 5·0	0 180 255 210 260 235	m/s 3·3 4·3 5·7 6·1 5·9	0 205 250 195 260 245	5.0 4.2 5.7 6.6 7.4	205 255 255 185 260 250	m/s 5·1 4·2 6·2 6·8	0 190 250 210 255 250	m/s 6-0 4-4 6-9 8-2 7-6
6 7 8 9 10	85 130 160 10	2.9 8.0 6.1 1.3	100 145 165	1·1 10·6 5·9	275 115 135 165	1.6 4.0 8.1 5.9	285 130 130 150	1.0 3.4 8.0 5.1	135 130 155	2•4 6•9 5•4	130 130 150	6.6 7.7 6.4	120 130 140	6•3 8•2 6•1	115 135 150 265	4.9 9.6 8.3 2.7	115 135 145 275	4.8 7.3 9.4 3.7	110 150 145 275	5•3 8•2 9•9 3•7	280 130 160 155 270	1·1 7·2 .7·3 ·9·4 3·9	275 130 175 160 270	2•3 8•9 7•6 8•1 4•0
11 12 13 14 15	10 55 170 355 170	1.9 1.0 6.1 5.0 1.1	15 180 355	2•0 7•8 7•4	50 55 175 10	1.9 1.5 7.9 7.0	55 55 175 60	2·1 2·5 9·4 6·0	55 175 15	2•2 9•5 5•5	55 55 170 360 50	1.2 2.1 8.6 4.6 1.1	175 360	8•5 5•9	15 170 5	1.6 8.9 6.2	55 220 170 15 325	1.0 1.7 8.5 7.3 2.6	260 200 180 20 315	1.2 3.0 8.4 7.7 2.8	345 180 180 15 310	3.0 4.3 8.3 7.5 4.3	315 180 185 10 305	2•3 5•5 7•3 7•1 3•2
16 17 18 19 20	230 275 185 190 335	3·3 3·4 2·7 4·4 7·6	230 300 240 185 345	3.6 3.4 3.3 4.7 10.7	235 295 230 190 350	4•4 4•7 2•9 6•0 9•4	255 300 280 185 340	4.8 4.7 3.9 7.4 9.9	230 295 260 180 330	3•6 4•7 3•9 8•2 9•6	250 290 305 185 330	5.0 4.3 5.0 8.6 9.6	245 290 320 195 330	4.5 4.3 3.2 9.3 9.0	235 290 310 230 320	4.5 5.1 5.0 8.5 8.5	230 285 310 235 315	4.7 5.0 4.6 6.8 7.9	235 290 335 245 320	5.0 4.8 5.3 8.4 8.8	240 300 305 245 320	5.6 5.1 5.0 6.2 9.4	245 280 320 240 325	5·7 6·1 6·0 8·0 8·4
21 22 23 24 25	270 240 185 20	3.5 2.4 4.4 6.8	240 220 185 15 345	3.7 1.9 4.6 5.9 1.3	230 190 170 10 25	3.0 2.0 6.1 6.0 1.1	220 205 190 15 20	3.2. 2.1 4.7 6.4 1.4	220 190 185 25 35	3.7 2.2 5.1 5.7 1.1	225 165 175 40	4.0 3.1 5.8 5.6	175 160 170 50 350	4.9 2.7 6.0 5.8 2.8	180 170 175 40 350	5·2 3·2 6·3 5·7 4·7	175 170 170 15 345	6 • 7 3 • 9 7 • 0 7 • 1 5 • 2	170 165 165 20 335	8.0 4.8 8.1 7.0 4.5	165 165 180 10 330	8·2 4·4 7·1 7·0 4·2	210 160 170 5 325	7·6 5·4 5·9 5·7 6·0
26 27 28 29 30	345 245 265 335	5·2 4·9 5·6 4·5	355 225 270 340	2.5 4.8 5.0 3.5	330 230 270 360	1.4 5.3 4.7 5.2	320 235 270 5	1.4 5.5 4.7 4.4	315 230 280 5	2.0 5.2 3.9 4.1	295 250 295 5 50	1.0 6.4 4.9 4.2 1.1	285 255 305 15	1.8 6.5 3.9 2.6	260 240 300 10	3.6 5.8 4.1 3.7	250 235 305 355	3.8 6.0 3.9 3.8	240 225 310 360 275	3.6 5.5 4.0 5.0 1.3	245 240 300 350 265	3.9 7.4 4.5 4.6 2.4	205 240 305 350 260	3.5 7.6 4.7 5.1 3.6
31 Mean	50	3.5		3•7	40	4-0		4-1		3-9		4-1		4•0		4•5		4•8	270	5-3	190	5•5	160	5-8

420. VALENTIA OBSERVATORY: Ha = 17 metres + 13 metres

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Day 1 2 3 4 5	55 360 20  190	m/s 2.0 5.3 1.8	55 15  210	m/s 1·2 4·8 ··· 3·2	55 20 345  205	m/s 1.6 4.0 3.2 2.6	340 25 210	m/s 3.9 1.2 2.5	360 350 180 185	m/s 3.9 1.0 1.0	50 360 360 360	m/s 1.4 5.5 2.8	60 350 360	m/s 1.0 6.3 1.0	360 340 230 230	m/s 6·7 3·2 1·2 1·0	5 330 220 255	m/s 6·8 3·5 2·5 1·3	320 10 320 220 260	m/s 1·9 5·9 3·8 3·8 2·2	o 320 25 330 225 265	m/s 3·1 4·9 2·9 4·3 1·2	0 320 15 325 250 265	m/s 2·9 5·3 3·4 4·1 2·6
6 7 8 9 10	210	3·3 6·3	190	3.3	205 300 215	3·2 1·2 6·4	230	5÷0 6•2	225	4.0	220	3•3	220 200 200 210	3•4 1.0 5•7	40 335  215	1.7 4.2 6.3	340 250 210	7•7 1•4 7•4	305 215 345 270 210	1.1 1.9 8.4 3.3 8.5	300 280 340 270 210	1.5 3.1 7.8 3.2 8.2	280 270 340 270 215	1.6 3.1 7.7 3.7 7.8
11 12 13 14 15	210 25 5 310 155	5.9 6.4 6.2 3.8 4.0	205 30 5 155	6·1 11·6 6·1 	205 30 360 355 160	6·3 9·0 5·5 1·0 4·9	200 30 360 315 155	5.5 10.0 4.0 1.2 5.0	200 30 5  160	5.2 11.0 2.9  5.4	200 30 20  155	5·2 11·1 1·2  5·1	180 30 20 265 165	4.9 10.5 1.3 2.3 5.0	190 35 360 270 155	5.4 11.8 3.2 2.5 5.4	175 40 340 295 170	5.7 11.2 4.5 3.7 5.8	175 50 340 255 180	5.9 7.6 5.1 3.2 7.0	175 30 325 270 180	5.0 7.5 5.3 3.1 7.6	175 20 330 275 180	5.5 7.2 5.2 3.7 7.8
16 17 18 19 20	170 175 250 185 170	5·1 2·6 2·8 2·9 9·0	180 180 265 185 175	4.2 2.6 3.1 3.0 9.0	175 170 265 185 180	5.0 3.1 3.2 3.3 8.5	175 180 265 185 180	4.8 2.9 2.2 3.5 7.6	180 180 270 180 180	4.7 3.0 3.1 3.0 6.5	170 185 280 175 180	4• <u>1</u> 2•3 3•2 4•4 6•4	175 185 280 180 175	4.0 3.0 2.9 4.8 6.5	175 180 275 195 180	4.0 4.3 2.1 4.9 7.2	175 190 270 200 195	4.7 4.1 2.5 4.8 7.2	180 185 265 210 190	3.6 4.8 2.4 5.1 7.0	180 190 270 205 185	4-7 5-0 2-5 5-4 7-5	180 190 270 190 180	4.6 4.6 3.1 4.9. 8.3
21 22 23 24 25	175 200 30 345 360	10-0 4-9 1-1 5-7 8-7	180 185 50 350 360	10.5 6.5 2.0 6.0 8.1	270 190 55 345 360	7-4 7-2 1-1 5-2 8-9	270 185 60 345 360	4.2 6.5 1.4 5.2 9.0	295 185 350 360	5•5 6•9 6•6 7•9	300 185 55 355 5	5·1 8·2 1·7 6·3 7·8	300 185 50 360 5	4.7 9.6 1.0 6.7 6.9	290 185  360 5	3•7 9•7 ••• 6•4 6•5	280 185  355 5	4•7 10•4 ••• 7•3 7•2	280 185 270 355 10	5.2 10.3 1.5 7.2 7.4	275 180 275 345 360	5•4 9•8 2•8 7•8 7•0	270 180 270 350 335	5-5 9-8 3-2 7-7 7-9
26 27 28 29 30	200 325 290 15 255	4.3 4.8 1.5 2.7 8.1	215 310 320 360 240	4.5 5.9 1.8 2.7 5.5	225 330 350 360 240	5.9 5.7 3.2 2.8 5.5	230 300 360 325 235	6•2 4•6 4•3 2•8 4•6	230 320 20 20 200	7•4 3•8 4•9 •••	230 300 320 170 185	7.5 5.0 1.5 1.5 4.0	230 300 300 300 190	7.0 5.6 2.4 3.0	230 315 360 295 175	7.0 5.2 1.2 3.4 2.6	230 320 355 280 190	7•5 6•2 4•4 4•7 2•0	230 320 3 <b>5</b> 5 270 225	8.0 6.7 5.8 5.2 2.2	225 320 5 245 275	9•0 5•0 4•5 4•8 2•2	225 305 320 265 280	9.5 6.5 4.1 5.7 3.4
31	60	1-0	<b>.</b> 55	1.4	50	1.2		•••		•••	50	1.1	50	1.2		•••		•••	255	1.1	260	2•8	260	3•4
Mean		4.0		4.1		4.1		3•8		3.7		3-8		3•7		4•0		4•6		4-9		5-0		5•3
Hour G. M. T.	0	- 1	1 .	- 2	2 -	. з	3 -	- 4	4	- 5	5	- ,6	6	- 7	7	- 8	8 -	. 9	9 -	- 10	10	и.	11 -	. 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M.S.L. + hg (height of anemometer above ground) = 17 metres + 13 metres

JULY, 1935

180 255 220	m/s 6·8 4·5	0	m/s						- 17		- 18	10	- 19	19	- 20	20	- 21	~	- 22	٠	- 23	23 -	- 24	Mean	Day
	6•9 8•4 6•2	175 255 230 245 265	6-6 4-9 6-8 8-4 5-1	175 255 245 245 245 270	m/s 6-7 4-8 7-1 7-9 5-0	0 170 255 220 250 270	m/s 6·9 4·2 6·3 8·0 4·2	0 190 265 245 245 265	m/s 6·1 4·8 6·8 8·1 3·6	0 200 260 240 245 265	m/s 6·0 4·9 6·1 6·8 3·0	o 215 255 230 245 260	m/s 4.9 4.1 5.1 6.5 2.6	o 215 265 215 250 260	m/s 4.5 4.0 4.5 5.8 2.1	0 190 265 215 245 275	m/s 3·1 3·9 4·9 5·9 2·7	o 195 265 230 245 310	m/s 4.0 3.4 6.0 5.4 3.0	o 190 275 245 225 285	m/s 3.5 1.9 6.7 5.0 1.9	0 185 270 250 220	m/s 3·4 2·4 9·2 5·0	m/s 3.9 3.9 5.3 6.6 4.5	1 2 3 4 5
120   6 215   165	2•3 6•9 7•6 8•3 4•9	270 125 200 175 275	2•8 6•1 7•2 7•0 4•8	180 140 185 175 270	4.2 6.0 7.5 5.1 5.0	195 145 190 220 270	5-3 5-9 7-1 3-6 4-9	200 90 180 265 300	5•4 5•9 7•5 3•0 4•4	195 100 160 275 315	5•1 6•4 5•7 2•9 4•6	180 105 170 290 310	4.8 6.4 6.4 3.0 3.4	190 90 170 315 305	3.8 4.9 6.4 2.2 3.5	195 60 175 315 310	2•2 4•8 4•8 2•0 2•2	180 60 175 345	1.0 6.2 3.6 1.0	110 150 330 5	6•9 4•5 2•4 1•1	85 145 55 15	9·3 5·7 2·3 1·2	2.0 5.6 7.1 5.4 2.6	6 7 8 9 10
175 190 10 300	3·6 7·2 6·7 6·7 4·5	270 190 225 360 310	4·1 6·6 5·1 7·0 4·9	270 180 235 360 315	3.7 7.4 4.2 7.5 4.5	270 180 275 360 280	3.7 7.2 3.1 7.5 4.1	270 190 270 5 270	2·9 6·2 4·1 7·1 4·1	275 180 340 5 275	3.0 7.0 6.6 6.5 4.2	275 180 350 5 275	3•4 7•1 8•6 6•0 3•4	290 185 350 360 275	1.9 6.5 8.5 5.7 2.9	175 360 350 230	5•3 6•6 4•4 2•9	170 355 35 235	5·1 6·4 2·7 3·4	60 170 355 45 235	1.7 5.8 7.2 1.6 3.5	50 170 360  260	1•4 6•6 5•6 •••	2·1 4·2 7·2 5·9 2·7	11 12 13 14 15
280   1 280   5 235   6 325   8	5·6 5·7 5·4 6·8 8·5	235 275 280 225 325	5.6 5.7 6.5 8.7 8.4	225 275 275 275 225 320	6.6 5.1 6.0 8.5 8.3	225 275 305 225 315	6·8 4·5 5·6 7·9 7·0	230 275 295 225 310	6•7 5•2 5•4 8•0 6•2	245 275 295 225 305	6·4 3·1 4·0 7·4 5·2	245 270 270 230 305	5.5 4.9 4.1 6.6 4.9	250 245 275 225 300	5·1 4·6 6·0 5·1	255 230 270 230 300	6·1 3·6 5·6 5·6 4·5	260 280 265 275 295	5.0 3.5 5.6 3.6 3.5	280 270 230 310 295	4•4 1•1 3•8 5•0 3•7	260 170 195 330 285	4.0 1.3 3.2 6.5 3.7	5·1 4·3 4·6 7·0 <u>7·4</u>	16 17 18 19 20
165 8 160 6 360 6 325 5	6-9 5-9 6-4 6-7 5-2	250 190 165 360 325	7•6 6•0 6•7 7•0 6•3	250 175 170 360 330	7•4 7•0 6•5 7•4 6•2	255 175 170 360 325	7•8 8•0 6•3 7•9 6•0	255 180 175 360 325	6 • 7 7 • 7 4 • 9 7 • 4 6 • 3	255 175 210 340 325	5.6 7.2 3.0 7.2 6.7	260 180 210 345 330	4.7 6.1 1.6 8.0 5.9	265 185 340 350 335	3•3 5•6 3•5 6•4 4•9	255 195 345 360 340	2·2 5·0 4·2 4·4 5·1	260 180 5 5 345	2.6 5.5 2.6 3.8 4.5	255 175 75 5 350	3.7 7.2 3.2 3.5 3.1	255 185 20 55 345	4·1 5·7 4·0 1·4 3·3	5.2 4.8 5.2 6.1 4.0	21 22 23 24 25
240 280 355 275	4•7 7•9 3•4 5•8 2•7	245 240 270 350 270	4.7 8.3 2.1 5.6 2.4	250 245 265 350 265	5.9 8.5 2.8 4.9 3.4	255 250 265 345 270	4.8 8.5 4.0 6.6 3.1	255 245 270 345 270	4.8 7.8 3.6 6.6 3.1	250 250 275 355 275	5.5 8.0 4.0 5.7 2.5	250 255 285 360 280	6•3 9•0 5•0 3•6 1•7	255 255 310 25	5•7 7•8 5•3 2•4	265 260 310 50	5.8 7.0 4.9 1.0	265 260 320 160	5·3 6·5 5·0 1·4	255 265 325 195 140	5·1 6·2 4·2 1·3 1·1	250 270 320	4·1 5·2 4·0	3·9 6·7 4·3 4·0 1·4	26 27 28 29 30
	2·2 5·8	315	3•0 5•9	280	2•9 <u>6•0</u>	310	2·8 5·8	325	3•4 5•6	335	4·8 5·3	320	3·2 5·1	305	1·6 4·5		3•9		3-6		3•6	50	3.6	1.6	31

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320	m/s 4-6	330	m/s 5·1	o 320	nn/s 4•0	335	m/s 7•2	340	m/8 5·7	330	m/s 5•6	o 340	m/s 5•6	350	m/s 4-6	o 350	m/s 5•0	o 355	ng/s 4•8	360	m/s 5•5	o 355	m/s 5•3	nn/s 3∙3	1
15	5-1	20	6•3	360	6.2	360	5-5	340	5-4	345	6.5	3 <b>5</b> 5	5.2	360	4•9	360	4.1	360	4.8	360	4.4	10	2.9	5.2	2
310 255	5•0 5•0	31.5 255	5•0 5•5	315 250	5•8 5•2	325 255	6•3 4•9	330 255	5•4 4•7	325 250	4•8 3•9	320 205	4•3 2•8	320 215	3•2			40	1.5	100		305	3.4	3•0	3
265	2-9	265	3-6	260	2.7	260	2.7	260	3.1	260	2.8	275	2.4	320	2.7	210	2.7	190	2.8	175	2•4	165	3•4	2•7 1•9	5
200				0.00		005											***								
320 275	2-8 3-5	320 240	3•0 4•0	270 245	3•0 3•4	265 245	3•3 4•7	270 240	3•0 4•1	280 235	2•0 3•9	270 220	2·1 3·5	270 185	1.7 3.4	175	4-1	165	4.9	175	4.7	195	3-0	1·3 2·5	6 7
345	5-3	350	5-1	335	7•8	340	9-2	340	8•8	340	8•3	350	7•5	355	5-0	360	4-8	360	3.8	5	3.0	5	1.4	5-5	8
260 210	4•8 8•1	265 215	4•9 9•6	265 215	5·1 9·0	265 205	5•6 8•1	250 205	5•7 7•7	255 205	5•8 7•5	235 205	5•0 6•7	225 200	4·4 7·1	230	4.0	225	4•8 7•0	225	4.9	210	5.1	3-2	9
			3-0		3.0			200	1.4	205	1.3	205	6-7	200	1-1	200	7•4	200	7-0	210	6-5	205	6.1	7•2	10
180 20	5•9 7•3	185 15	6•5 8•6	180 10	6•4 9•1	175 5	7•0. 8•6	170 10	6•8 8•1	170	5.9	155	5.8	130 10	4.9	85	3•3	65 35	3.6	60	4.2	35	2.8	5•4	11
320	4.4	325	5-8	310	4.9	305	5.2	315	3-8	310	7•7 3•7	330	7•5 4•1	320	8•7 4•7	10 340	6•7 3•2	15 320	7·6 2·5	10 350	6.7 1.5	315	6·4 2·2	8•7 4•0	12 13
275	3-4	275	4.8	280	4.1	275	3•8	235	4.0	240	3•7	220	3•5	215	3•6	180	.2-4	155	2.9	150	3-2	145	3-8	2-9	14
1.85	7•9	190	8•4	185	7.7	180	7•5	180	7•3	180	7•3	175	7•1	175	6.9	170	6•9	175	6•6	180	6-4	180	5•4	6-4	15
175	4.7	185	5•0	185	4.8	195	3.2	220	3-9	230	4.0	235	3•0	220	1.8	220	2•5	195	2.7	175	1.6	170	3-2	3•9	16
185 270	4•2 3•4	185 275	4•8 3•6	200 275	3.2	230 275	3•7 3•6	225 275	4•4 2•4	215 270	4•4 2•2	215	3•8	190 190	3•0 1•4	200 185	3•1 1•5	200 205	3•3 1•7	215 195	3.2	265 180	4.7 2.7	3•7 2 <b>-</b> 6	17 18
170	5.0	180	7.5	185	8.2	190	7.4	185	7.4	180	7.7	175	7-2	185	5.8	180	4.9	185	4.5	175	5.4	170	7.2	5.3	19
180	8•5	175	8•5	180	8-7	185	8•4	180	8•6	175	9•1	170	8•3	180	8•4	180	8•4	180	7:6	170	7•5	170	8•7	8•0	20
265	5•0	260	5.1	265	5.1	235	5.3	235	5-6	225	5.4	210	5.1	190	4.0	185	4.0	190	4.7	190	4-6	190	5.5	5.5	221
175	8•2		10.0	190	8.1	190	8.0	185	8•4	180	7.6	175	5.5	255	3•5	270	1.5	15	1.1		•••			6-8	22
300 345	2.9	300 345	3•6 8•5	315 350	4.0 8.6	325 345	5·2 9·2	320 350	5•4 8•3	340 350	5.8 10.0	325 350	6•4 9•0	330 10	6•7 4•9	33 <b>5</b> 10	5·8 5·2	345 360	5•9 6•6	350 5	5·8 7·9	340 355	5•0 7•5	3·3 7·1	23 24
335.	9•0	335	8.2	330	8.2	330	6.8	325	6•2	320	6.0	320	3.5	300	2.1	290	2.5	260	3.4	230	3.5	185	3.6	6-5	25
230	9-2	235	8•5	255	6-4	330	6-3	330	7-0	320	5-2	325	9.1	330	7.5	330	7-3	330	6.5	315	5•3	345	4.1	6-9	26
320	6-9	315	7-1	320	7.6	315	6.2	310	6.5	310	5-8	320	5-6	340	5.4	345	5.3	5	3.2	350	3-4	310	3.2	5.5	27
310 275	6•0 6•2	340 2 <b>75</b>	6•9 6•0	335 265	6.5	340 270	8·4 7·1	340 255	8•5 7•6	335 270	7•6 6•9	345 270	6.4	350 2 <b>65</b>	6•3 7•8	355	5-2	340	5.3	350	4.7	360	3.4	4.7	28
275	3.7	275	3.5	275	3-5	270	3.3	270	3.0	275	2.7	275	7•7 2•0	310	1.1	250	7•3	265 50	6•7 1•2	265 <b>5</b> 5	8.0	265 50	7·5 1·3	5·2 3·1	29 30
255	2.0		205	OPE	8-0	0770	1											-							- "
~35	3•7	270	3•5	275	2-0	270	3-4	255	3•6	270	3•0	265	2.1	235	1.5	170	2-9	175	2•4	50	1.2		•••	1.9	31
	5-5		6-0		5-8		6-0		5-8		5-6	ज- *	5.1		4.5		4-0		4-0		3-9		3-8	4-6	-
	L	<del> </del>	<u> </u>	-	1	-	L	<del> </del>	L	<u> </u>	1	<del></del>	L	-	<u> </u>		L	<b> </b>	L		<u> </u>				
12 -	13	13 -	- 14	14 -	- 15	15 .	- 16	16 -	- 17 .	17 .	- 18	18 -	- 19	19 .	- 20	20 -	- 21	21 -	. 22	22 -	- 23	23 -	- 24	Nem	Day

WIND: DIRECTION AND SPEED

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

VALENTIA OBSERVATORY:

Dines Pressure Tube Anemometer from Jan., 1926

Hg (height of anemometer shows W C T )

Hour G. M. T.	0.	. 1	1.	- 2	2 -	. 3	3 -	4	4 .	- 5	5 -	- 6	6 -	- 7	7 .	- 8	8 -	- 9	9 -	- 10	10	11	11	- 12
	<u> </u>			-/-	0	-/-	•	-/-	-	770	-	m/s	-	m/s	-	m/s	•	m/s	•	m/s	•	m/s	•	m/s
Day 1	,°	m/s	o 35	m/s 1.2	80	n/8 1.7		111/8	35	m/s 2•8	70	2-2	50	2.2	85	3.2			45	1.1	40	2.7	60	5-1
2	290	2.9	275	3.5	265	4.4	265	4.0	265	3.5	235	3.1	225	3.2	210	2-6	220	3-8	265	4.2	275	2.1	225	5.5
3	210	3.3	170	3.9	185	2.5	180	2.7	185	2.5	180	2.1	175	2.7	165	2.2	180	2.7	210	3-5	230	5-0	225	4.4
4		3-3	200	1.0	270	2.1	265	Ĩ•8	200	1.0	280	1.8	270	2-6	260	4-4	260	4.8	255	5.1	260.	4.8	255	4-8
5	290	3•8	280.	3.3	235	2.9	255	2-9	255	2.5	190	2•3	180	1.4	50	1.0	165	1.9	165	3.1	180	1-4		•••
. 6									50	1.5	45	1.5	50	1.8			40	1.0	175	1.9	180	2-8	180	4-3
7	115	4.8	105	4.8	115	4.1	110	4.5	100	5-0	90	4.0	110	5-9	105	5-6	120	5-2	120	5-6	130	6•0	115	7.5
8	100	10-7	100	9•7	100	8•5	130	7•5	120	8•0	115	8-4	120	8•3	1.30	9-7	130	8•5	140	9-9	135	7-2	140	6.4
9				•••				•••	80	1.4	80	1.1	70	1.0	190	1.5	45	1.9	200	1.5	175	3-6	175	4.1
- 10	165	4.1	150	6-4	155	8•5	165	7-2	1.65	7-9	165	7•7	165	9•5	170	9-6	165	10-0	165	9-7	165	9-4	165	9-7
11	85	8-2	80	7-9	85	5•5	135	4.1	175	5•3	180	5-7	165	6-8	170	5-1	155	4-0	145	4-1	105	3-3	115	3-0
12	80	1-8	80	4.3	75	2-9	85	4.4	85	3•0	200	1.3	175	1.9	130	1-4	170	4.1	175	5•5	185	6-2	196	3.1
13	230	7-5	230	8-2	235	8-6	235	7-8	225	7-0	220	8•0	210	7-2	215	8•5	210	9-3	210	9•3	205	10-4	210	<b>∓0-0</b>
14	225	9-9	220	11.2	220	12-0	230	11-2		12-3	230	12.0	230	10-9	230	10-4		11-1	240	9-8		10-9	245	10-0
1.5	195	10-7	210	10•4	225	11-1	220	10-8	220	10•7	. 230	8•2	230	9•9	230	11-0	240	12-5	265	13-8	265	12-4	270	12-6
16	255	11-0	250	10-4	250	10-8	245	9-6	255	7•8	240	7-6	230	6-1	225	5.5	220	4-8	205	5-0	155	4.3	160	5-6
17	300	9-5	295	10-2		10-1	300	10-3	295	9•9	295	9•6	295	9-6	295	8•5	280	8-2	275	9-5	270	9-4	265	10.0
18	270	10-0	265	7-6	260	7•9	265	9•0	260	8•4	245	7•5	240	7-0	240	6-1	225	6•3	225	7-5	220	8•0	210	8-5
19	225	12.5	230	12.0	230	12.5	235	11.7	235	12.5	245	12.1	245	13•0	250	13-0	250	13-1	250	13-4	255	12•4	250	11-9
20	175	3•5	260	3.8	175	2.1	185	2.1	220	1.0	225	2-4	225	3•3	205	3•5	230	4.0	255	5•2	260	4.7	260	5-0
21	45	2.2	35	1.0	90	2.5	90	1.2	105	2.7	115	4.0	90	4.6	70	5-5	80	5•4	30	2.1	90	1.4	280	1-2
22							195	1.3	205	1.6	190	1.1	50	1.1	45	1.6	45	2-1	200	3-5	235	5.2	275	5-0
23				• • • •									50	1.3		•••	45	2.2	160	5-2	170	5.7	175	7-2
24	220	5.1	195	4.0	190	(2.5)	200	(4.0)	190	(3.5)	180	(3.7)	185	(4.1)	215	4.0	220	4.7	225	5.0	240	5.3	255	7•3
25	345	3•5	340	3.2	340	3•2	350	4-7	345	4-6	350	4.2	355	3•5	360	3-0	33 <b>5</b>	2.5	330	2-5	305	2.0	320	2-4
26	155	8-4	160	8 • 7	160	9•1	165	8•5	160	8-9	160	8.8	155	9-2	160	8-8	160	8-8	170	7-2	180	5.7	180	4.8
27	195	5.1	175	5-3	190	4.2	195	4.7	205	5.1	205	5-0	205	4.1	200	4.0	205	4.6	210	5.3	210	5-8	215	5-9
28	160	1.7	180	1.5	165	2-5	175	1.1						•••						•••	250	1.5	275	2-9
29		•••	55	1.4	170	4.5	175	4.2	180	5.0	180	4.6	1.85	5-6	190	8-0	185	8•0	180	9-7	180	9-7	180	10-9
30	270	6•4	280	7-6	285	7•0	275	4.2	270	7-6	255	8•7	275	8•0	265	9-8	260	9•5	265	10.5	260	10-4	265	8-6
																			ţ					
Mean		5•0		5•1		5•2		4.9		5•1		5•0		5•2		5•3		5•5		6•0		6•0		5-9

422. VALENTIA OBSERVATORY: Hg = 17 metres + 13 metres

422. VALIS		ATGGO	VALOR	-• <u>a</u>	- 1/	me or		L) Me						,								,		
Day 1 2 3 4 5	275 195 150 50	m/s 9•7 6•6 3•6 2•8 9•2	0 280 185 125 35 360	m/s 8·9 9·0 3·8 3·6 8·7	80 10 355	m/s 9·2 9·7 4·4 5·6 10·4	290 180 85 360 350	m/s 9•8 9•1 4•6 7•6 10•8	300 180 80 15 355	m/s 8·9 8·0 4·5 6·7 9·4	305 295 65 15 350	m/s 8·5 7·8 3·8 7·9 7·9	0 305 295 40 5 345	m/s 8.6 8.1 4.1 9.6 6.7	0 305 285 50 10 340	m/s 8·1 6·4 5·5 9·4 8·1	0 320 275 40 5 350	m/s 8.5 5.9 6.7 9.4 7.2	320 270 25 10 345	m/s 8·3 5·8 5·3 9·2 9·1	320 270 20 20 15 340	m/s 7·9 7·7 6·4 7·8 10·1	325 255 30 10 345	m/s 8·4 7·3 5·8 7·0 9·7
6 7 8 9	285 255 315	6.5 7.0 5.5 5.9	20 300 230 310	5·4 6·9 5·5 5·8	285 230 295	4·7 ··· 4·4 5·5 7·3	5 45 295 240 290	6·1 1·2 5·0 4·2 9·0	360 55 280 165 285	5.7 1.2 6.5 2.7 8.7	355 50 290 165 285	6·4 1·4 6·4 4·1 8·5	5 50 280 170 285	5.6 1.7 5.1 5.7 9.4	360 50 265 190 285	4.9 1.8 5.5 5.5 7.6	360 165 270 200 275	5.2 3.2 7.0 8.4 9.0	340 170 270 205 280	5·4 5·0 8·5 7·6 8·6	355 190 270 235 275	5·3 6·6 7·1 6·1 9·8	345 190 270 255 275	7•0 6•9 7•9 6•0 9•1
11 12 13 14 15	180 275 190 260 185	1.0 3.5 7.1 2.5 6.2	270 275 190 220 185	4·4 3·9 7·4 2·0 5·7	280 330 190 195 185	4.0 3.2 8.1 2.8 5.8	290 (330) 190 240 185	3.5 2.3 8.5 3.0 7.4	265 (310) 190 185 185	4·4 3·0 9·2 2·9 8·4	300 (270) 185 180 180	3.9 4.9 9.8 3.2 8.8	300 (230) 185 190 175	3.0 10.0 3.0 9.0	295 185 180 185 180	2.0 2.7 9.6 2.6 8.8	285 210 180 185 180	3·1 2·7 10·8 2·8 8·5	290 225 185 185 180	4.2 2.9 10.4 3.0 9.5	270 255 180 200 185	(4.0) 4.8 12.4 3.3 9.5	270 220 185 205 200	(4·5) 5·0 12·2 3·6 11·0
16 17 18 19 20	245 185 245 275 330	2.9 4.0 5.5 11.4 12.9	255 190 240 275 345	3.0 4.5 5.7 12.5 11.2	250 190 230 280 350	1.4 4.8 5.0 12.3 11.8	220 190 225 285 350	1.3 5.0 5.5 11.2 9.9	230 195 225 290 25	1.1 5.2 6.0 10.8 7.0	260 195 230 295 360	1.2 5.9 6.5 11.8 8.5	300 200 220 295 15	2.5 5.6 6.5 11.2 7.6	330 210 210 295 355	3.9 5.6 6.2 11.9 8.5	330 220 215 295 350	2.7 6.3 6.6 12.3 5.8	320 225 200 300 10	4.9 6.2 7.8 11.0 7.4	320 220 200 310 360	5.6 6.4 9.9 10.4 7.3	320 225 200 310 345	4·4 7·0 10·0 11·5 7·9
21 22 23 24 25	350  165 300 320	4-2 5-5 5-0 3-9	345 180 300 350	3·9 4·5 5·3 5·2	335 60 180 300 345	3.2 1.1 6.2 5.1 5.4	340 45 180 300 330	3.9 1.0 6.1 5.4 6.8	10 55 180 305 340	2.7 1.0 7.1 4.1 6.1	350 165 180 315 330	1.7 2.4 7.9 2.2 5.1	45 160 210 300 350	1.0 5.0 7.5 2.2 5.6	165 160 230 290 350	1.0 6.0 5.1 1.8 4.1	170 165 200 180 345	2·1 7·5 3·4 1·5 3·4	170 170 215  340	2.5 7.4 5.0 3.9	175 180 245 215 330	2.8 6.0 7.0 1.5 4.9	230 210 250  330	4.7 6.1 8.1  4.9
26 27 28 29 30	230 260 270 250 245	1.3 6.6 9.5 11.2 8.2	250 255 270 250 235	1•4 7•9 8•6 10•9 8•1	280 250 270 245 230	3.0 8.3 7.5 9.7 9.2	270 255 275 245 235	2.6 8.5 8.0 10.3 9.5	295 250 270 230 230	4.5 7.4 8.4 10.0 10.1		1.7 6.4 7.9 11.1 12.1		1.1 8.0 7.8 12.0 12.2		1.5 8.9 6.5 10.9 12.1	245 250 275 270 230	1.6 10.8 6.6 6.8 11.6	260 260 280 285 230	4·1 10·6 5·8 9·5 12·0	280 260 275 290 225	2.6 9.2 4.7 10.4 12.9	250 260 275 290 230	1.5 9.7 5.7 10.0 12.5
31	260	9•7	235	8•4	<b>25</b> 5	8•9	275	8•7	225	7•9	235	7•4	240	9•1	240	9•3	235	7•9	240	10-6	225	10-1	235	10•6
Mean		5.8		5.9		6.1		6•3		6.1		6•2		6•4		6•2		6•3		6.8		7-1		7•3
G. M. T.	0	- 1	1	- 2	2	- 3	3	- 4	4	- 5	5	- 6	6 .	- 7	7 .	- 8	8	- 9	9	- 10	10	- 11	11 -	. 12

M.S.L. + ha (height of anemometer above ground) = 17 metres + 13 metres

SEPTEMBER, 1935

		g (me							·																
1,2	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mesn	Day
0 15 225 270 260	#/8 4·7 5·3 3·2 6·8	20 215 270 260 320	m/s 5·8 6·4 4·4 6·2 1·7	0 15 225 275 255 255 325	m/s 5·6 6·2 2·4 5·7 3·2	9 360 225 270 250 335	m/s 6.5 6.1 3.1 5.6 4.5	345 225 260 300 5	m/s 5.0 5.9 4.4 2.9 5.5	330 225 325 325 290 340	m/s 4·9 5·8 2·0 1·5 5·4	325 225 265 265	m/s 3·1 5·4 1·0 4·5	305 205 210  340	m/s 2·4 4·9 1·5 ···	95 295 200 220 290 355	m/s 1.8 4.1 2.3 2.4 3.2	305 195 285 335	m/s 2·0 3·9  3·7 2·4	300 210 285 320	m/s 1.9 3.9  4.0 2.0	0 290 205 200 285	m/s 3·1 3·5 1·0 4·4	m/s 2.9 4.3 2.7 3.3 2.7	1 2 3 4 5
180 125 160 180 175	4-1 9-1 4-9 4-8 9-1	180 110 190 180 170	4.8 8.5 3.9 5.6 8.6	180 110 255 180 160	4.4 8.6 1.3 5.8 7.2	180 110  180 160	4•7 7•6 6•8 8•7	180 120 270 160 170	4.6 8.1 2.5 6.2 7.2	170 105 270 170 175	4.5 7.9 2.2 4.8 7.6	155 100 270 140 160	4.6 8.7 1.8 4.1 7.0	130 85  155 160	4·1 8·6 6·5 8·0	110 80 150 145	3•7 7•3 ••• 6•7 6•8	115 85 155 135	3·4 8·0 ··· 6·4 6·1	120 90  155 135	4.2 9.7 6.3 5.9	115 100  155 95	4.8 9.7 6.2 5.3	2.9 6.9 5.1 3.7 7.3	6 7 8 9 10
205 215 240 265	3.9 5.5 10.0 10.8 11.7	100 190 200 235 260	3·2 7·9 11·1 10·9 12·1	85 180 205 230 255	4.5 7.9 10.6 9.9 11.8	320 180 210 225 260	2·4 8·3 9·7 10·1 10·8	315 175 205 220 255	1.8 7.1 9.5 9.5 10.4	320 260 205 205 255	2·2 7·0 9·5 9·1 10·8	270 195 200 250	5.6 9.8 7.9 10.2	85 265 195 195 255	1.6 7.4 10.8 8.1 11.3	85 255 200 190 260	2.2 6.6 11.0 9.0 11.1	80 240 190 180 250	3·1 7·0 11·1 10·4 10·4	80 235 205 180 255	4.6 6.9 13.5 12.8 10.4	70 230 220 190 255	3.7 7.0 10.8 13.5 10.9	4.0 5.2 9.5 10.6 11.1	11 12 13 14 15
260 205 255 255 260	7·1 9·7 9·1 11·5 4·4	80 265 200 250 255	7-6 9-6 10-6 10-0 4-5	90 275 190 250 265	9.5 9.1 3.4	95 270 190 245 270	12.8 6.6 11.4 8.7 4.1	195 265 185 240 260	9.2 9.5 12.1 9.0 3.8	175 275 185 240 260	8•3 9•7 11•6 9•4 2•6	170 275 195 240 205	3.5 8.0 11.5 8.7 2.0	330 275 195 235 180	6.7 10.1 11.0 6.2 2.4	330 270 200 240 50	14.5 10.7 12.1 6.0 1.7	330 270 210 230 50	17·2 9·9 14·1 5·4 1·7	320 270 210 235 30	14.7 10.6 14.4 4.5 1.5	305 265 225 220 35	9-1 9-6 14-7 3-9 1-0	8.8 9.5 9.3 10.1 3.1	16 17 18 19 20
315 270 175 260 280	1.5 5.6 8.0 7.7 2.5	305 330 175 275 275	1.0 6.3 7.9 6.6 3.1	275 340 170 285 260	1.0 9.0 7.3 6.5 2.5	315 340 170 300 270	2.7 8.0 9.0 6.5 2.9	325 335 150 325 280	4·1 4·3 8·6 5·4 2·3	320 330 150 325 250	3.5 3.8 9.1 6.4 1.2	325 325 155 335	2·8 7·1 9·7 6·2	350 330 150 340 150	2.9 5.4 9.9 6.8 3.1	340 335 155 355 140	1.2 4.4 7.9 6.1 2.7	340 325 210 360 140	1.8 4.3 5.5 4.2 4.1	320 325 215 360 150	2.5 2.9 5.5 5.2 5.2	325 225 360 145	1.9 6.3 3.2 6.2	2.5 3.7 5.0 5.2 3.1	21 22 23 24 25
190 215 265 175 245	4•6 5•4 3•4 9•8 7•0	195 215 265 180 260	4.5 5.9 4.1 9.3 9.7	215 210 270 275 260	4.8 5.1 4.5 4.3 9.8	225 210 270 2 <b>75</b> 280	(3•0) 5•3 4•7 5•1 9•8	245 215 265 265 275	4·1 4·8 4·4 6·7 8·2	240 210 265 240 275	3•7 3•5 4•1 5•5 9•5	240 175 230 220 275	2•3 2•6 2•3 4•6 9•4	170 170 190 235 270	3.0 2.9 2.5 7.3 9.6	170 165 190 230 275	4·1 3·4 2·4 4·8 9·3	190 165 205 275	4·4 3·2 3·9 10·1	185 175 285 275	5.0 1.4 5.0 8.1	195 170  280 270	4.6 1.5  6.5 10.0	6.0 4.3 2.0 6.0 8.7	26 27 28 29 30
·	6-4		<u>6•7</u>		6•4		6•5		6•2		5-9		5•2		5•7		5•7		5-6		5•8		5•5	5•7	

																						(	CTOBI	ZR, 19	35
325 255 360 360 340	8·2 6·7 4·7 8·8 8·6	315 235 325 350 340	m/s 7·6 7·9 4·0 12·9 7·9	0 315 280 360 350 335	m/s 7·5 5·6 3·5 13·2 7·9	0 325 265 356 350 330	m/s 7·8 7·4 3·8 12·7 7·7	0 320 285 350 350 315	m/s 6·3 6·9 3·7 12·5 6·9	0 315 230 60 345 320	m/s 4·0 4·9 2·7 12·5 5·5	0 300 230 80 340 325	m/s 2·9 4·5 1·8 10·9 2·3	290 220 30 350 350	m/s 2·1 5·4 2·7 9·1 4·4	o 190 185 65 5 350	m/s 2·3 4·3 4·6 9·0 4·1	0 180 225 30 355 355	m/s 3·1 5·1 3·9 6·7 4·5	220 180 25 10 20	m/s 4·7 4·0 4·0 7·4 4·0	0 180 185 20 10	m/s 4·8 4·2 4·0 9·2 5·5	m/s 6·9 6·6 4·2 8·8	1 2 3 4 5
350 190 260 235 275	7-2 8-2 8-0 4-0 9-5	340 185 270 220 270	6·1 8·7 9·7 4·2 9·4	5 185 260 225 280	4.7 9.6 7.7 3.9 8.0	355 190 255 170 270	6•3 9•4 8•2 2•4 9•0	350 190 255 140 275	6.0 9.2 8.1 3.7 8.2	345 190 275 165 265	5.6 10.0 6.9 8.2 8.4	355 195 260 230 255	5•4 9•6 8•3 12•6 7•4	360 195 265 320 270	2-6 10-0 6-4 8-4 4-8	30 200 260 325 275	1.0 11.8 6.5 6.4 3.1	270 220 320 265	6·1 4·5 7·6 2·8	60 260 225 305 260	1.2 6.1 5.3 6.5 6.2	270 235 310 285	7.6 6.2 6.0 3.5	4.8 5.7 6.8 5.9 7.5	6 7 8 9 10
275 225 190 205 200	(5·2) 5·2 12·5 4·4 10·6	280 225 190 200 200	4.5 6.4 12.1 4.5 10.6	275 230 205 185 200	(4·6) 6·0 12·0 4·1 9·4	275 230 225 205 200	5.0 5.4 9.7 3.5 9.4	280 230 230 190 205	5·1 5·6 7·9 4·0 9·5	285 220 235 175 205	4.7 4.6 6.4 4.6 8.9	270 200 250 175 215	4·1 4·2 5·4 4·1 8·5	265 210 260 185 225	5·1 5·2 4·1 4·8 7·7	265 200 265 180 225	5•4 5•0 3•6 4•9 6•8	265 210 265 185 230	5·3 5·8 3·1 4·5 5·6	285 205 290 185 230	4.0 6.0 2.8 6.5 5.4	290 195 280 180 225	4-3 5-5 3-4 6-6 3-5	4.1 4.5 8.3 3.8 8.1	11 12 13 14 15
320 230 205 315 5	5·1 7·3 11·1 11·5 7·7	345	5·2 7·4 11·4 (12·3) 8·5	355	5·1 8·1 12·7 (12·1) 7·6	350	4·4 7·0 13·4 (12·6) 9·4	300 260 210 320 345	3·1 5·5 14·6 12·2 9·4	305 260 215 320 350	3·2 5·9 14·9 12·7 7·4	265 220 325 360	5.1 15.0 11.9 .5.6	260 230 325 355	5.5 13.9 12.5 5.9	180 260 275 330 350	2.0 6.9 9.7 12.0 7.0	180 260 275 330 5	1.6 6.2 12.1 12.7 4.8	150 270 270 330 355	1.4 6.0 12.0 12.2 4.5	170 255 280 330 360	4.2 6.9 11.6 12.7 5.1	3.0 6.0 9.7 11.9 7.9	16 17 18 19 20
215 280 270 265 320	4.2 6.6 8.6 3.4 4.9	270 270 295 220 310	3·6 4·7 7·9 4·0 4·8	265 290 295 225 315	2.9 2.2 7.8 3.8 4.0	285 290 320 200 310	3·2 2·0 6·4 3·6 3·0	285 280 305 170 290	3.5 1.9 3.8 3.7 1.8	300 275 285 175 250	2.8 1.7 6.6 3.5 1.7	330 265 290 165 215	2.5 1.5 7.2 4.1 3.0	350  295 165 230	1·4 6·9 4·3 3·5	340 170 295 175 180	3.5 (1.0) 7.2 5.0 4.1	5 185 295 160 170	3·2 (1·4) 6·7 6·0 2·6	325 205 295 165 185	1·1 (2·0) 7·1 5·4 1·7	175 290 160 255	(2·2) 5·5 3·9 1·8	2.8 3.0 6.5 3.6 4.0	21 22 23 24 25
220 260 270 295 230	2.5 8.9 6.5 9.9 13.5	250 255 265 290 230	5·4 11·2 7·4 10·0 12·9	270 260 265 260 230	3.0 10.4 7.0 9.9 12.9	240	3·3 10·0 7·7 10·3 12·6	245	5.0 10.2 7.7 11.1 9.0	260 260 265 280 270	6.0 9.8 7.1 9.0 9.7		6.0 10.6 6.9 10.4 10.6	250 285 255	7.0 11.4 8.4 9.4 8.5	245 270 275	7·3 12·2 8·9 10·2 9·0	270	6.9 10.4 9.9 10.5 9-4	245 265 250	6.3 10.2 9.6 10.1 9.9	250 265 270		3·9 9·5 7·7 LO·1 LO·7	26 27 28 29 30
230	7-6	225	7-9	235	7-4	240	7.3	235	6.9	240	8•6	230	7•0 6•4	225	6.0	195	5•0 6•1	205	5•0 5•8	190	5•6 5•8	195	4·5 5·9	8•3 6•5	31
12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20 .	- 21	21 .	- 22	22	- 23	23 -	24	Men	Day

WIND: DIRECTION AND SPEED

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

425. VALENTIA OBSERVATORY:

Direct Pressure Tube Apprometer from Jan. 1926

H. (height of anemometer above M.S.L.) = Height of ground above

Hour . M. T.	0	- 1	1.	- 2	2	- 3	3	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	- 9	9 .	- 10	10	- 11	11	<u>-</u> :
Day	0	m/s	•	m/s	۰	m/s	•	114/s	•	m/8	۰	10/s	0	m/s	۰	<b>13/</b> 8	۰	m/s	•	11/8	. 0	m/s	•	
i	200	5.0	170	4.9	180	5-6	200	4.4	185	4.0	255	4-5	185	3-2	170	3-8	170	3-8	175	3-8	230	5.0	210	
2	160	8-9	150	8-2	145	10-0	165	10-2	170	9-1	210	12-0	215	10-2	220	9-0	215	7-5	1.85	5-8	195	6-2	200	ı
3	135	13-5	130	14-8	130	16.3	130	17.5	130	17-4	135	16.9	135	14.5	145	13.3	150	10.7	140	11-2	135	12-2	135	ŀ
4	70	5-8	65	4.7	60	3.7	55	2-5	50	1.4	90	1.2	360	3•3	350	2.3	350	2-2	335	2-4	320	5-5	315	ľ
5	175	4-8	185	6•3	175	6-0	165	5-9	290	8-2	300	9-4	285	9•3	290	8-1	295	8-5	295	7-8	285	9-0	280	
6	255	9•0	235	5.9	230	6.7	250	6•7	240	7-5	280	6.0	260	6-8	240	5-8	235	5-9	235	5-7	265	7-5	270	
7 .	190	3.9	1.85	3.9	185	4-6	180	5.0	180	4-9	240	5.0	220	4.2	200	2.3	180	3-5	220	2-5	240	3-2	180	
8			20	(3.3)	20	(4-9)	20	5.1	55	3.9	50	1.5	50	1.7				•••						١
9	265	9.5	245	8.9	270	9.7	275	8-1	180	4.6	175	4.4	190	5-0	195	6.9	185	8-4	155	6.5	155	2-9	100	١
10	345	9•0	<b>35</b> 5	9•3	350	9-8	345	9-7	340	10•3	355	9•4	355	9-9	<b>35</b> 5	7•7	360	7-6	360	8•4	360	8-6	335	-
11	185	1-4	65	1.2	50	2.0	50	1.6	70	1.7	155	4-4	160	6•5	170	5-8	175	6.2	180	6-4	170	7-2	165	١
12	300	5.5	270	7.6	275	7-2	280	.5-9	275	6.2	265	6.0	260	6-1	180	3.9	175	4-8	175	4.5	165	3-9	175	1
13	190	3.7	240	5.6	320	7.5	325	10.4	325	10.3	320	8.8	290	7•3	280	7-9	255	8-5	285	7-1	280	9-0	280	١
14	205	11.7	270	6-8	220	4.4	265	7.5	270	7•6	265	6.9	235	4.7	235	4-4	190	4.7	170	4.1	165	4-0	230	ı
15	190	4.9	165	4.6	165	5.9	210	5.2	165	3•8	165	4.6	230	5•4	180	4.9	220	5.1	220	6.7	190	4.1	215	١
16	175	6-1	185	3.6	200	5-0	200	4.0	190	3.9	220	2.7	170	3.9	170	4.8	165	4-3	180	2-7	140	2.8	165	- }
17	<b>5</b> 0	2.2	50	1.9	45	2.0	50	1.5	45	2.1	285	1.9	280	1.5	275	4.4	280	6.5	280	7-6	290	8-4	295	١
18	330	7-2	330	7.0	325	5.8	325	4.9	310	5.8	305	3-4	320	4.1	320	3-4	300	4-3	330	1-0	(280)	3-0	(275)	П
19	135	9-6	135	10.0	140	12.0	130	11.7	125	12.1	125	10-8	130	12-0	130	14.0	130	13-5	190	7-6	190	5-6	195	1
20	160	5-0	150	6.9	145	7•4	140	8•0	135	9•4	135	9.5	125	8•3	90	7•7	70	6-1	85	5•3	70	4-3	90	١
21	5	4-7	10	5.4	5	6.7	360	6-4	360	5.8	20	5.0	30	2.9	50	2-5	55	4-8	60	6-1	65	4.6	70	١
22	95	4-9	100	4.1	75	2.5	110	4-8	85	4.1	105	4.4	100	4.3	90	2-9	90	3-9	90	4.5	90	4.5	100	-
23	85	4-8	80	5-8	85	5.7	90	5 • 5	80	6-4	80	6-6	90	6-8	80	4-9	95	6-0	100	5-8	85	4-5	100	- (
24	80	4-4	70	1.2	65	1.3	65	1.4	40	1.6	60	1.7	55	2.5	50	1.5								
25	65	1.7	50	1.8	45	1.3	150	1.6	145	3•9	155	4•5	150	5•4	165	5-1	175	4-5	160	6•8	185	6-8	185	
26	215	(9-2)	215	(9·c)	220	(10.5)	225	(9-9)	280	(7-8)	295	(7-6)	285	(6•3)	290	(7-3)	290	(6•0)	270	(7-2)	270	6-6	260	١
27	270	4-8	260	5.1	255	4-8	260	4.6	240	5.1	225	3•5	225	4.2	180	3-4	190	4-1	185	4.2	195	5.5	200	- 1
28	225	8-4	225	8-1	230	8-0	230	7-7	235	8-1	240	10.5	240	9•7	260	8•6	265	6-9	295	7-7	285	6-8	290	١
29	275	6-2	280	5.8	240	5.7	240	7-4	230	7-6	245	8-6	240	7•8	255	9.2	260	8-4	265	8-3	260	8.1	275	1
30	245	10-2	245	9-9	245	9•0	255	9•9	260	10-1	270	9•9	265	9•9	260	10•3	255	10•1	245	10•5	230	11-7	230	
W	-	6.0		6.3		6.4		0.5		6.5	<u> </u>	2.4		0.0						5.0		F . 7		+
Mean		6.2		6.1		6-4		6•5		6.5		6-4		6•3		5-9		5-9		5-6		5 • 7		-

424.	VALENTIA	OBSERVATORY:	H_	= 17	metres	+	13	metres

Day	•	m/s	0	m/s	۰	m/s	٥	m/s	0	m/s	۰	m/s	•	m/s	0	m/s	۰	m/s	•	m/s	•	m/s	0	m/s
1	280	11.9	300	10.5	295	9-8	295	9.0	300	8•0	300	8•4	295	8-6	295	9-7	295	9.8	295	10.0	300	11.5	300	10.5
2	300	11.7	315	10.8	300	10-6	300	10.8	310	11.6	315	10-1	300	11.3	300	11.3	310	11.5	300	9-4		11•3		11-4
3	265	4.0	270	4.8	275	(4.0)	285	(4.0)	70	1.7	20	2•5	325	(2.5)	310	1.9	295	(4.5)	315	(4-0)	320	4.5	310	6.0
4	320 325	10.0	320 340	7-2	290	7-9	280	5.5	260	6.9	315	3.1	205	2-9	240	4.6	250	6•7	240	5-6	260	6•4	250	7.2
5	343	13-8	340	10-9	340	10.6	33 <b>5</b>	10•6	335	9-8	350	8-5	330	9-5	350	8-9	340	8.2	360	6-4	330	6-3	335	5-8
6	210	5-5	210	8-5	330	8-4	320	9•4	310	9-8	310	8-2	305	7-4	305	8-9	310	8-2	310	7•5	305	7-4	305	7-7
7	175	3•3	60	1.1	50	1-5	60	1.7	80	1.8	170	4.5	160	5.0	165	4.9	180	4.5	190	4-6	175	5-3	175	5-4
8	285	6-3	270	6-4	270	6-6	270	7•6	275	6.2	270	6-8	270	7-1	270	6-4	270	5.5	280	5-4	285	5-9	290	6.1
9	355	4.5	185	1-4	15	3-0	60	1.0					55	2.0	45	1.1	55	1.9						
10	65	1.1	55	1-2	30	1-4							45	1.4	35	1.0	60	1.0	60	1.0	105	1-9	110	2.4
			f	}	l									1	l									1 1
11 12	65	2-5		2-0	60	1.1	80	2•7	60	3•3	105	3.0	85	2-8	65	3•3	80	3-6	50	1.4		•••		•••
12	35	3•5 4•7	75 30	3•6 5•8	80 35	5•2 5•6	80	4.7	85	6-4	85	5.0	75	2-4	35	1.0	30	1-6	50	2.0		•••		
13			145	1.6	150	1.9	35 145	5•8 4•8	30	5•9 6•6	35	6.4	40	6.2	20	4-9	25	4-8	30	4-2	45	2-7	40	2.2
15	320	5.1	320	5-0	315	4.9	300	6.1	150 300	7•4	160 295	7•8 8•0	180 295	8-2	190 300	7•5 8•9	190 300	9-4	190	7•9 9•0	200 310	8•0 7•2	220 315	8.7
	0.00	-	ا مد		"	1 -	000	"	.500	1-4	250	0-0	200	0-2	300	0.8	300	9-4	300	9-0	310	1.5	312	0.7
16	310	6.9	305	7.7	305	6-7	305	6-8	305	6.1	305	6.2	305	6.6	310	5.1	320	5-5	300	5-8	315	5.0	295	4.3
17	70	2.0	60	2.0	75	2.0	50.	4.9	60	3.7	45	2.7	80	2.4	50	2.1	15	1.8	25	2-3	15	3.7	20	3.2
18	110	3.4	135	5.3	130	6.9	130	7-4	130	7-0	140	7.3	125	8.•4	125	8.4	105	7.5	125	8-2	120	8-9	115	9.0
19	75	9.1	70	8-4	75	8.1	75	7•5	85	6.5	65	5•3	75	6.1	80	5.2	75	5.5	75	6.7	70	8-1	70	8.3
20	75	4.2	80	4.7	80	3.5	90	5.1	80	5.7	80	4.5	85	5.1	∶85	5.1	80	5-5	80	5.1	85	5-0	95	5.6
21	80	5-5	80	5.7	10	1.4			85	4.3	85	5-0	85	4-8			~-			ا . ا				
22	55	1.9	50	2.5	60	2.8	50	3.6	55	3.5	60	2.2	55	2.2	80 55	4·5 2·9	85 50	4•7 2•9	85 45	2·4 3·9	50 45	2.6	40	1.1
23	96	4.4	95	5.9	105	6.4	100	7.1	115	7-7	110	6-8	115	8.3	100	7.5	105	5.9	105	6-6	100	7.7	115	8-6
24	125	10-5	120	12.2	120	13.5	115	13.0	110	14-2	100	14-5	100	10.4	105	7-1	130	3.9	155	4.5	200	3.9	200	3.4
25	85	5-2	55	4.4	80	5.2	80	3.2	80	4.8	80	5.7	110	6.5	100	4.6	90	3.1	120	3.0	105	3.8	125	5-2
		l	l								1			1										
26	160	7-8	165	7.0	155	6.8	160	7•4	160	7•5	170	7-2	165	6∙£	170	5•6	170	4.9	160	6-3	165	6•5	175	6.6
27 28	215 55	4.9	220	3.8	210	2-0	215	3.0	195	2.5	180	2-1	175	2.8	195	1.0		•••		• • •	275	3-4	310	3•4
29	35	1.1		•••			50	1.6	120	3.4	300	0.5	50	1-4	55	1.7	300	1:::	740	:::		··:		:::
30	185	7.3	180	7-9	160	8-4	145	9.5	150	1.4	130 145	2•5 8•3	150 150	4•0 4•8	150 140	4.7 1.6	130 20	5•3 1•6	140 330	7.0	140 325	7-6	140	9•9
30		, ,		' '	200	1	1.20	0.5	100	3-4	740	.0-3	120	4-0	140	1-0	20	1.0	330	6-4	325	9-6	320	g.,
31	155	6-7	145	7.5	150	7•7	205	8•3	210	8-4	210	8-4	215	8-3	230	6-6	225	7-2	200	6-5	205	6-8	210	5-5
					-																			
Mean		5-4		5•3		5•3		5-6		5-8		5-6		5-6		5-1		5-0		5-0		5-3		5-4
						<del>                                     </del>				<del> </del>	<b></b>		ļ	<b> </b>			<u> </u>				<u> </u>	ļi	<del>  </del>	
Annuel		5-2		5-1		5.2		5-2		5-2		5-1		5.2		5-3	i i				İ			l !
Mean								_ ~		J - ~		3-1		3.5		3.3		5.4		5.7		5-9		6.2
Hour		,	,								-		_							10	10	7.7	11	- 12
G. M. T.		-1	1	- 2	²	- 3	3	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8	-9	9	- 10	10	- 11	11.	. 1c
-,,			L										L											

M.S.L. +  $h_a$  (height of anemometer above ground) = 17 metres + 13 metres

NOVEMBER, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
e 180 200	m/s 5-7 7-0	0 190 205	m/s 5*7 8*5	o 195 196	m/s 6•4 6•5	0 180 190	m/s 5•0 7•1	0 170 185	m/s 7•4 7•1	0 170 165	m/s 6•9 5•8	o 175 160	m/s 7•5 5•5	0 170 150	m/s 9•4 8•6	o 155 140	m/s 6•0 8•0	o 155 140	m/s 6•5 10•0	o 175 140	m/s 6•0 11•1	0 160 140	m/s 8·1 13·2	m/s 5•6 8•4	1 2
135 325 285	12•7 8•0 8•5	145 330 275	13•1 7•8 10•0	145 325 270	13·5 7·0 10·1	145 320 275	13•0 6•3 9•0	145 315 270	12•9 5•4 8•5	145 300 245	12•2 6•9 7•2	145 300 255	12•6 6•9 6•5	295 250	11.8 5.7 7.1	140 290 245	12•8 3•4 7•2	135 270 23 <b>5</b>	10•1 3•4 7•3	115 185 240	8•9 3•2 7•1	95 180 235	7•2 3•2 7•1	13•0 4•6 7•9	3 4 5
260 250 180 75 340	6·1 5·6 2·4 2·7	265 230 220 45 335	3.4 6.0 3.8 5.1 11.1	235 225 200 40 340	5-8 4-8 5-4 6-2 9-7	230 240 180 15 335	3.6 5.9 6.2 6.2 8.6	225 200 175 5 340	4.2 4.2 7.5 7.7 8.0	180 210 195 5 340	4.5 4.4 7.8 7.5 6.6	190 185 190 355 340	4·1 3·9 7·8 7·4 5·4	195 190 330 350 330	3.9 2.5 6.0 8.9 4.0	175 170 295 5 330	3·4 1·3 7·2 9·0 3·1	165 295 355 315	3•7 8•0, 8•5 4•2	175 20 290 360 300	4.0 (2.5) 7.4 9.7 2.4	200 275 350 300	3.6 8.3 9.2 1.0	5·4 3·7 4·2 6·9 7·7	6 7 8 9 10
160 215 280 210	7•6 4•9 7•8 5•7	160 215 270 195	6·1 5·5 6·9 6·9	325 205 265 200	9•2 5•5 6•8 6•6	320 200 250 215	9•4 6•2 6•7 6•0	325 210 235 190	10.5 4.6 6.0 5.7	330 175 225 175	9•2 5•8 4•8 5•5	325 205 225 210	8•9 5•5 5•9 7•1	305 210 210 215	9°•1 7•£ 6•8 5•8	295 195 200 190	9.0 5.2 6.6 6.1	315 180 200 210	7•0 5•5 8•1 4•9	310 165 200 185	6•5 7•0 9•9 3•6	300 190 205 220	4•4 5•7 10•9 5•0	6•2 5•6 7•6 5•9	11 12 13 14
210 155 305 270 190 100	4.2 5.0 8.2 3.1 9.4 7.0	175 310 250 180 60	3.7 4.7 9.2 3.5 11.5 4.7	185 320 230 230 70	4·1 10·4 2·9 10·0 4·1	190 335 205 235 45	5·4 2·4 9·9 2·0 7·3 3·4	230 200 345 185 235 65	4.9 2.2 9.6 5.3 4.6	165 350 130 210 85	1.3 6.4 4.1 4.4	50 330 135 205 60	3·8 1·5 5·6 5·0 5·1	50 330 140 170 55	1.6 5.8 5.0 4.8	55 330 145 175	3.6 1.7 5.9 6.0 4.8 3.4	55 325 140 190	1.8 7.1 7.5 5.1 (2.7)	60 330 140 180 40	1·1 7·3 7·0 5·1 (1·4)	210 55 325 135 160 10	1.0 7.7 7.2 5.6 3.4	4.9 3.2 5.9 4.6 8.5 5.5	15 16 17 18 19 20
65 105 90 60 185	2.6 5.2 5.5 (1.2) 8.2	100 100 90 80 200	3·3 5·3 5·0 2·5 7·0	105 100 75 80 210	3.4 6.8 5.3 2.0 7.2	110 100 80 95 210	3•2 5•8 6•8 3•4 7•0	100 110 75 85 210	4.5 6.2 5.0 3.4 8.1	115 95 75 45 210	4·4 6·5 3·9 5·6 2·1 9·2	110 85 75 	4•3 6•3 3•0 5•8	120 80 75	6 · £ 4 · 7 3 · 6 6 · 6 8 · 8	105 75 70 55 215	5.7 4.5 6.5 1.1	90 80 75 55 215	4.8 3.1 1.4 2.0	95 80 75 25 220	6.5 3.9 2.8 2.3 9.8	110 105 70 45 230	7·1 3·5 2·1 2·1 11·3	4.9 4.4 5.2 1.7 6.5	21 22 23 24 25
260 200 285 265 225	6•7 7•7 7•1 9•6 13•6	265 190 270 270 270 230	7•9 7•0 5•2 9•4 15•1	265 180 275 275 240	9.0 6.9 5.0 10.3 16.1	270 165 280 275 260	7·1 8·6 5·6 9·2 16·2	270 200 280 265 270	7•4 6•6 4•3 9•3 12•5	270 215 290 255 280	7•3 7•4 4•6 8•0 11•9	270 220 285 260 280	6•8 7•1 4•7 9•3 9•9	265 215 285 265 270	7·3 8·2 4·7 10·5 11·7	265 225 275 275 270 275	6.6 9.3 5.1 9.0 11.9	260 225 265 265 275	5.2 7.7 6.0 10.3 11.6	285 225 270 260 280	4.9 8.2 5.5 12.8 11.6	280 225 270 260 275	5·1 8·6 5·2 11·1 10·5	7•3 6•3 6•7 8•8 11•5	26 27 28 29 30
	6•6		6•8		7-1		6•7	•	6•6		6-2		6•1		6•4		6.1		5•9	**-	6.1		6.2	6•3	-

DECEMBER,	19	35
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300 295 325 235 235 320	m/s 11.0 11.3 6.1 7.1 5.5	300 300 330 275 315	m/s 11·8 11·0 7·7 9·5 3·7	300 300 330 270 295	m/s 11.7 10.4 6.8 9.0 4.6	295 305 345 295 300	m/s 11.9 9.4 8.6 9.3 4.4	300 305 15 305 295	m/s 11.8 8.5 7.4 6.4 4.6	95 310 355 305 325	m/s 12·1 7·7 5·2 7·5 5·1	305 300 325 320 280	m/s 11.7 7.2 6.7 6.6 3.5	300 300 320 320 275	m/s 12·1 6·6 8·8 9·4 3·2	305 295 320 340 185	m/s 13·1 7·0 9·0 11·5 2·7	300 310 330 330 185	m/s 12.5 6.1 10.8 11.6 3.2	305 295 360 335 185	m/s 12·1 4·8 8·2 10·8 4·6	300 290 320 325 210	m/s 11·4 5·0 9·8 13·0 6·5	m/s 10-9 9-4 5-8 7-7 6-7	1 2 3 4 5
310 190 275 95 315	6.6 5.5 6.0 1.8 1.2	300 305 280 110 95	7•9 5•5 7•2 2•3 2•0	305 305 280 170 85	7.6 6.9 6.1 1.5 2.7	310 305 300  90	6 • 8 5 • 8 6 • 6 2 • 8	310 305 300  30	7.0 5.1 6.0 1.2	320 285 295 60 40	5.5 3.7 6.1 1.6 1.0	305 260 300 50 <b>5</b> 5	6.0 3.8 7.1 2.5 1.5	320 280 310 55	4.4 4.8 6.1 1.3	305 290 320 75 20	4.0 6.9 5.8 1.2 1.2	305 290 335 	4·1 6·3 4·2	300 290 355 45 45	2.0 6.1 4.0 1.0	180 265 350 55	3.0 5.0 5.7 1.6	6.7 4.5 6.1 1.4 1.3	6 7 8 9 10
70 20 230 320	2.0 2.6 7.9 8.£	40 10 295 310	3·1 2·9 4·5 9·1	50 10 320 305	4.5 2.6 5.6 8.4	65 45 40 320 305	1.3 3.6 1.7 4.3 9.4	320 40  320 300	1·3 3·2 5·3 8·1	340 40  320 300	1.0 3.6  5.4 9.3	80 30  330 300	3·9 4·2 4·4 9·1	50 30  325 300	4.0 6.5 4.7 10.1	65 30 320 305	3•9 6•2 7•4 9•2	80 30  320 300	4•7 5•2 7•0 9•6	75 30  320 305	4·3 5·3 6·3 7·4	80 35  330 300	3.8 4.7 6.6 7.9	2•2 3•7 3•0 5•8 8•0	11 12 13 14 15
290 355 115 80 90	3.8 2.9 10.1 6.8 5.5	300 325 105 85 80	3·1 3·4 11·7 6·1 5·2	295 330 90 75 80	3·1 2·5 10·8 4·7 5·7	305 360 105 65 75	1.4 2.0 14.4 5.3 5.4	85 100 55 80	2·2 11·3 5·1 4·5	65 75 55 95	1.2 9.1 4.4 4.0	50 50 70 60 85	1.8 1.3 8.4 2.4 4.2	40 55 65 75 75	2.0 1.9 8.1 2.2 3.6	30 45 65 75 30	1.1 2.2 6.8 1.9 1.8	75 190 60 85 75	2-6 1-7 8-6 4-4 3-8	80 60 65 85 75	3·7 1·1 8·6 4·4 4·3	75 70 80 75	2·3 8·9 4·8 4·4	4-1 2-3 8-5 5-7 4-6	16 17 18 19 20
90 125 190 125	2.5 9.3 3.8 3.7	155 90 130 180 125	2·4 3·5 12·4 4·7 6·3	140 90 135 180 125	3·4 1·9 10·1 4·8 5·8	135 85 135 160 150	3.8 3.1 10.5 3.9 5.2	110 90 135 140 140	3.6 2.7 10.9 4.4 6.0	110 20 130 140 145	3.0 1.7 12.0 5.0 6.5	40 55 135 125 145	1.8 1.8 11.4 3.9 6.6	40 30 135 90 140	2.5 2.7 14.3 3.4 6.5	110 360 130 90 150	1.8 1.0 13.2 4.7 8.0	60 20 130 80 150	1·1 1·1 12·6 5·5 8·1	130 75 140	2·9 11·9 6·0 9·1	55 90 135 90 160	2.5 1.2 11.6 5.2	2.9 2.3 9.3 6.9 5.6	21 22 23 24 25
205 170 30 150 320	6.5 1.3 1.1 10.7 9.5	205 185 335 140 310	6.5 1.2 1.2 10.2 7.0	215 200 175 140 315	6·4 1·5 1·1 13·4 6·2	220  140 300	6.5 14.2 4.7	220 180 175 180 275	5.7 1.8 1.2 10.0 2.2	215 165 210 215	5.6 1.0 10.2 2.0	225 60 55 220 255	7·3 1·1 1·3 11·1 4·5	225 55 50 220 255	6.4 2.0 1.5 10.2 6.9	220 55 200 235	4.9 1.0 8.1 4.5	220 60 50 200 215	4.8 1.3 1.7 8.2 4.4	215  45 200 200	4.8 2.1 7.5 4.9	210  40 185 185	4·1 2·4 7·2 5·8	6.2 1.8 1.0 6.9 6.1	26 27 28 29 30
175	5•0 5•4	185	7•0 <u>5•8</u>	195	7•0 5•7	190	6•8 5•6	185	5•9 5•0	185	4•0 <u>4•7</u>	165	4.8	175	4·1 5·2	155	5•5 5•1	150	5•9 5•2	150	6•0 5•1	135	4·5 5·1	6•4 5•3	31
	6.4		6-6		6.6		6.5		6.2	,	6•0		5•7		5.5		<b>5·</b> 3		5•2		<u>5·1</u>		5-2	5-6	
12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day

<b>A</b> y	3	an.	F	eb.	Me	r.	A	pr.	М	ey .	Ju	ne	Jul	y	Au	g •	Sep	ot.	00	t.	No	٧.	De	c.
~	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	Tim of Gus
1 2 3 4 5	m/s 17 8 13 13 20	h m 8 10 0 35 19 50 20 50 18 40	m/s 19 19 22 20 25	h m 14 30 0 55 14 50 2 30 19 50	m/s 30 20 19 14 11	h m 17 40 0 10 6 10 12 35 0 40	m/s 15 15 9 18 18	h m 17 40 0 15 17 20 14 55 13 30	m/s 13 13 17 12 8	h m 6 55 3 10 12 40 13 30 12 40	m/s 19 20 17 14 11	h m 18 30 13 45 10 45 6 10 13 20	m/s 11 8 15 14 12	h m 15 40 17 00 23 15 2 45 11 10	m/s 10 11 9 9	h m 18 05 7 00 15 00 13 55 1 05	m/s 11 14 9 11 9	h m 15 05 14 15 10 20 10 35 16 05	m/s 19 17 11 21 18	h m 3 55 1 40 9 00 13 50 2 10	m/s 17 26 33 15 20	h m 19 50 23 15 6 45 12 10 11 20	m/s 33 27 21 23 23	h 1 18 3 0 3 23 3 15 3
6 7 8 9	19 5 15 9 20	1 20 9 25 9 40 22 25 22 25	20 7 5 7 13	1 30 11 55 23 50 23 45 11 55	11 19 21 21 15	20 45 13 25 12 05 13 45 23 45	15 17 22 28 28	15 30 0 30 18 50 23 25 14 15	7 7 12 13 13	15 20 11 30 14 30 12 00 7 55	21 20 17 22 13	6 55 23 50 1 50 13 05 0 00	9 17 <u>19</u> 17 9	16 35 23 20 1 15 9 45 13 55	7 8 13 10 15	14 45 21 30 9 30 17 30 13 45	10 17 18 12 17	23 00 22 05 0 15 19 55 11 35	14 20 18 21 20	11 50 20 45 19 05 17 50 7 05	16 13 16 20 21	0 25 15 15 20 45 24 00 2 10	24 15 14 9 6	20 4 4 0 10
11 12 13 14 15	31 27 21 14 11	6 35 0 15 12 25 2 15 11 40	22 19 18 14 23	15 15 19 15 5 55 7 35 20 00	17 14 15 15 20	7 00 22 40 5 10 21 10 13 15	15 13 15 21 12	6 35 20 40 21 30 9 30 19 40	13 10 10 12 20	14 20 13 10 10 35 11 55 21 00	19 13 17 10 13	5 50 17 30 15 15 13 10 9 20	7 12 16 13 9	13 55 17 45 3 40 2 20 12 15	12 <u>22</u> 11 8 14	7 25 1 15 0 40 0 30 13 25	15 14 23 24 25	0 35 15 45 22 45 23 10 9 05	14 13 21 13 18	3 15 1 00 10 40 23 55 12 55	19 15 20 21 14	16 45 5 50 2 50 1 00 14 30	9 11 11 15 21	5 19 6 11 19
16 17 18 19 20	11 8 12 11 9	0 25 17 20 22 15 8 05 10 15	30 17 25 26 25	15 20 14 30 22 35 22 40 3 05	19 18 20 22 12	16 35 2 40 17 45 6 55 15 45	19 20 13 12 7	20 00 14 10 14 30 0 25 12 10	14 23 17 17 17	10 35 10 45 0 05 1 10 13 25	12 16 14 16 20	4 00 15 10 2 35 23 20 3 45	12 10 12 16 18	17 15 11 40 9 05 9 30 1 25	9 9 9 12 16	0 30 8 55 17 20 17 10 14 55	30 22 28 23 9	21 10 22 10 23 15 1 50 9 50	10 13 <u>28</u> 25 22	10 10 15 05 17 10 17 45 2 35	12 22 18 25 19	0 05 12 45 23 40 7 05 5 20	20 9 23 15 13	1 4 15 1 1
21 22 23 24 25	11 5 10 21 37	11 05 1 35 17 55 21 55 14 10	27 19 18 18 28	4 30 4 10 21 25 13 15 6 20	13 21 22 15 14	11 30 13 25 6 15 12 00 1 20	15 21 14 12 11	21 35 13 30 0 35 10 00 12 55	17 11 17 13 13	17 05 17 40 10 30 14 35 15 20	19 13 11 18 20	3 30 2 35 15 20 22 50 1 50	13 13 12 14 11	15 10 22 45 9 25 9 25 13 55	17 19 12 15 16	1 45 9 20 21 25 17 50 2 25	10 13 16 13 11	8 25 15 05 19 15 13 20 4 55	9 11 17 13 13	0 25 12 10 14 25 2 25 6 05	14 13 18 8 19	23 10 14 05 6 30 0 05 23 35	9 7 25 25 17	1 23 17 4 22
26 27 28 29	27 16 8 9 15	0 20 3 35 19 25 7 25 19 15	30 27 19	18 05 10 40 0 10 	9 6 7 5 7	0 25 13 35 13 25 16 25 15 00	8 6 8 12	9 40 17 00 14 10 23 30 17 35	10 7 9 11 6	14 55 14 15 14 10 12 20 11 10	11 12 12 15 9	0 20 14 05 19 00 9 35 15 00	10 15 11 10 6	18 45 14 55 19 00 15 25 15 10	17 15 15 17 12	18 15 10 00 15 15 16 15 0 45	15 10 7 17 21	2 35 11 15 16 10 11 20 13 35	14 21 17 23 23	23 45 20 35 23 25 17 00 15 15	20 15 19 23 32	2 25 20 10 7 05 12 55 15 06	15 9 4 27 18	18 4 22 14 4
1	13	15 10	-		9	13 05	. <del>.</del>		12	17 55	-		7	17 40	9	15 15	-		20	11 30	-		17	2

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

426. VALENTIA OBSERVATORY: H. = 17 metres + 13 metres

1035

			נת	STRIBUTION C	F WIND SPEED						EXT	REME VI	LOCITIES	3		
MONTH	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	Highe	st Hour	ly Win	d	H.	ghest	Gust	
	Dates of Occurrence	Duration	No.of Days	Duration	Duration	Duration	Duration	Duration	Veer From N.	.Speed	Ti	id me	Speed	I	Dates	1
Jan	11th,25th	hr 7	9	hr 78	hr 205	hr 333	hr 121	hr O	330	m/s 18	day 25	h 19	m/s 37	day 25	h 14	1
Feb	16th	1	19	156	306	164	45	0	245	18	16	15	<b>3</b> 0	16	15	2
Mar	-	-	7	51	373	273	47	0	300	15	-1	17	30	1	17	4
Apr	-	-	9	60	287	289	84	0	220	16	10	15	28	9	23	2
May	- '	-	2	19	233	304	188	0	5	14	15	21	23	17	10	4
June		. •	7	24	410	237	49	0	185	13	9	13	22	9	13	0
July	-	-	-	-	288	358	98	0	345	11	20	2 .	19	8	1	ı
Aug	-	, <b>-</b> ,	1	5	263	362	114	. 0	35	12	12	8	22	12	1	1
Sept	16th	1	7	62	271	294	92	0	<b>33</b> 0	17	16	22	<b>3</b> 0	16	21	1
Oct	-	•	13	77	368	258	41	0	220	15	18	19	28	18	17	1
Nov	2nd	2	9	47	371	263	37	. 0	130	17	4	3	33	,3	6	4
Dec	· -	•	9	53	293	283	115	0	100	15	24	6	33	1	18	5
Year	5 days	11	92	632	3668	3418	1031	0	330	18	Jan. 25	19	37	Jan. 25	14	10

# TEMPERATURE IN THE GROUND AT DEPTHS OF 50 CM. (1 foot) AND 122 CM. (4 feet) Readings in degrees absolute, at 9h Greenwich Mean Time

### 427. VALENTIA OBSERVATORY.

1935

·D	J	an.	F	eb.	M	ar.	A	pr.	м	ay	J	une	Ju	ıly	Au	æ.	Se	pt.	0c	t.	No	₩.	De	ec.
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	ο.	°A	°A	°A	•▲	°A	۰A	°A	° <b>A</b>	°A	°A.	o _A	°A	°A	0▲	°A.	°A	°A	°A	°A.	°A
1	82-6	82.6	80•0	81.4	79-0	81-1	83-0	82-3	85-1	83-6	88-0	85-5	89-4	87-0	90.3	88-2	88.5	88-1	85-9	87-1	82-6	85.0	81.0	82-0
2	83-0	82-7	81-1	81-4	79-5	81.2	82-6	82-5	85-1	83.7	87.7	85.7	89.3	87-1	90.5	88-2	88-2	88.0	86.0	87·0	82·2 82·9	85·0 84·9	80•0 79•9	82·0
3	82-9 82-4	82·8 82·9	81·6 82·1	81·4 81·6	80·1 79·7	81.1	82·1 82·2	82·5 82·5	85·1 85·0	83·8 83·9	87-0 86-9	85·8 85·9	89·2 89·1	87·1 87·2	90-0	88·5 88·3	88 - 7	88•0 88•0	85·2 85·3	86.9	83.0	84.8	79.2	82-0
5	81.6	82.9	81.5	81.6	80-1	81.1	81.9	82-6	84.4	84.0	86 - 8	85-9	89-1	87.2	90-3	88-4	88.6	88.0	85.0	86 - 8	83-5	84-0	79-0	82-0
6	81.3	82-9	80-9	81-8	81-0	81.2	82-1	82-5	84-9	84-0	86-8	85-9	89-2	87-2	91.0	88-5	88•2	88•0	85-0	86 • 7	82-1	84-6	79-2	81.9
7	79-3	82-9	79-4	81.5	80-6	81-2	81.9	82-5	85-5	84-0	87-4	85-9	90.0	87-4	91.1	88-5	89-0	88-0	84-9	86 • 5	81.9	84.4	79•6	81-8
8	78-6	82-6	78•3	81-8	80-6	81-2	82-0	82-5	85-6	84.0	87-0	85-9	90-9	87-5	91-0	88-6	89-2	88•0	84-8	86 • 2	81.7	84-1	80•0	81.6
9 10	78 · 7	82·5 82·2	77•6 78•0	81-7	80·1 78·9	81.2	82·1 82·8	82·5 82·5	86 · 2	84·1 84·2	87·0 87·3	85•9 85•9	91·0 90·1	87·8 87·9	90·2 90·7	88·7	89·2 90·0	88•0 88•0	84·5 84·8	86·1 86·1	81·3 81·3	84 • 0 83 • 9	80•0 78•9	81·5 81·5
11	80-0	82-0	78-9	81.1	78-3	81-3	82-4	82-6	86-2	84-4	86-9	86+0	90-2	88.0	90-5	88-88	89-4	88•0	84-1	86-0	81-1	83-9	77-5	81.5
12	79-5	82.0	81.0	81-1	78-8	81.1	82-9	82-6	86.7	84.5	86-7	86.0	90.3	88•0	90-1	88-8	89-6	88-1	84-2	85.9	81.0	83-8	77-4	81-2
13	80-6	82.0	80-8	81-1	79-4	81.0	82-9	82-7	87-1	84.8	86-6	86.0	90.8	88.0	89.5	88-8	89-0	88.1	84-8	85-9	80-6	83.3	78-0	81.0
14	81-3	81.9	81-1	81-2	79-4	81.0	82-6	82-7	86 - 2	84.9	86-5	86-0	90-1	88-0	89-9	88-8	88-9	88.1	85-0	85-8	81-0	83-3	78-0	81-0
15	81-4	82-0	81-0	81.3	79•7	81-0	83-0	82-8	85-8	84-9	87-0	86.1	90•0	88-1	90-0	88-8	88-6	88•2	85-1	85 • 8	80-5	83-1	79-0	81.0
16	81-1	82.0	82-1	81.4	80-4	81-0	82-8	82-9	85.0	84-9	87-6	86-0	90-1	88-0	90-3	88-5	87-9	88.1	85-8	85-9	80-0	83.0	78-9	81-0
17	81-2	82-0	81-4	81-6	80-6	81.0	82.0	82-8	85-2	85-0	88.0	86-0	90-0	88.0	90-6	88 - 7	87-0	88.1	85-1	85 - 7	79-6	83.0	78-5 77-8	80-9 80-9
18 19	81-1	82·0 82·0	81.6 82.2	81.6 81.8	81.4 81.0	81.0 82.0	82·1 83·0	82·9 82·7	84-3 84-9	84·9 84·9	87•8 88•1	86 · O	89·9 89·3	88·1 88·1	90·5 90·7	88 · 7	86·9 87·1	88·0 87·9	85-2 85-0	85·7	80-1	82·9 82·7	78-3	81.0
20	79-7	82.0	82-3	81.9	81.4	82.0	83-5	82-8	85-1	84 - 7	88.0	86.1	89-1	88-1	90-6	88-8	87.1	87-9	84-4	85-2	80-0	82.5	77-7	80-9
21	79-3	82.0	81.3	82-0	82-6	81-4	84-1	82-9	84-6	84 - 7	88-3	85-3	89-2	88-0	90-6	88-9	87.0	87.7	83-8	85•3	80-0	82•3	76 - 7	80-8
22	78-4	81.9	80-4	82-0	82 • 2	81.5	84-1	83-0	84.8	84.8	89-0	86 - 2	89-2	88-0	90-0	88-9	87-1	87-6	83-5	85-3	79-9	82.2	75-9	80•6
23	78-9	81.7	79 • 5	82.0	81.9	81.6	83-6	83-0	85•3	84-7	89-1	86∙€	90.3	88-0	89-1	88-9	86 - 8	87.7	84-1	85 2	80-0	82.1	75-8	80•4
24	79-6	81.6	79.0	81.9	82.5	81.8	83-1	83-1	85.4	84.7	89-2	86 - 7	90-1	88.0	89.2	88.8	86.9	87.4	83.9	85.1	79-9	82.0	76 - 5	80.2
25	80-6	81.6	79-4	81-8	82-8	81.9	83-1	83-1	86•0	84-9	88-5	86-8	90•0	88.1	89-0	88-8	87-1	87.4	83.9	85-1	78-5	82.1	77-4	80•1
26	80-0	81.6	78-0	81-6	82.9	81.9	83-8	83-1	87-0	84-8	89+0	86 - 9	90-0	88.1	89-5	88-7	87.3	87-2	84-0	85•0	79-6	82.0	78 - 5	80-0
27	79-0	81-6	78-6	81.5	82.9	82-0	84-1	83-1	87.0	85-0	88-3	86-9	90-0	88.1	88.9	88-6	87.5	87-2	84-9	85.0	80-0	82.0	79-4	80-0
28	78-6	81.6	79-3	81.3	82-1	82.0	85.0	83-3	87-5	85-1	88-4	86.9	89.7	88.2	88.1	88-4	87.5	87.2	85.1	85.0	81.1	82.0	78-6 77-9	80-2 80-2
29 30	79-4	81·5 81·4	-	-	83·0 83·1	82·1 82·1	85·2 85·5	83·4 83·6	87•9 87•9	85·1 85·2	89-0	87-0 87-0	89-9	88·2 88·1	88·0 88·0	88 5 88 2	86·9 86·1	87·3	85·2 84·2	85·0 85·0	81-1	82·0 82·0	78-8	80-2
	ı		-	•			30-3	03-0	,		35.2	61.0				•	"	01-1						
31	80-1	81-4	-	-	83-0	82.2	-	-	88-0	85-3	-	-	90-0	88 • 2	88-1	88-1	-	•	83-7	85-0	-	•	79-4	80-2
Noon	80•3	82-1	80-3	81.6	80+9	81-4	83-1	82.8	85-8	84-6	87-8	86 - 2	89-9	87-8	89-9	88•6	88-0	87-8	84-7	85-8	80-9	83-2	78-5	81.0
-					The i	nitial	2 or 3	of the	readi	ngs is	omitte	d, 1.e.	275-0	degree	s abso	lute is	writt	en 75-0	)		Yea	r	84-2	84-4

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

### 428. VALENTIA OBSERVATORY

1935

Month .	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	•	° <u>A</u>	<b>∘</b> ▲	° <u>A</u>	° <u>A</u>	°A	° <u>A</u>	°A	°A	<b>∘</b> ▲	•▲	°A
1	82-9	77-2	75-8	78-9	82-3	80-2	79-6	82·I	82-4	81-7	75-3	78-9
2	82-3	82.1	77-9	75-9	83.9	81-0	86-3	84.2	84.0	82-1	78-3	75-2
3	81-3	80-8	77-9	73-6	83-0	80-4	84-3	80-3	82-4	77-9	79-5	75.6
4	78-3	82.7	73-2	76 • 8	80-2	80-9	87-6	81.8	81.8	77-7	80-7	73.2
5	77-9	77•0	76-3	77-2	80-3	82.7	86-6	87.0	83-1	78-6	80-0	74-3
6	77.3	77-6	78-6	77-1	75-2	81.8	85-1	87-5	80-9	79-2	76-1	77-6
7 .	67-7	70-1	76-9	76 - 4	76 - 9	80-4	81.9	84 • 2	86 • 6	74-6	75-9	76 - 1
8	70.9	67.7	76-1	75-8	81-3	79-9	86-2	88•0	86-8	79.4	74-2	78-7
9	71-5	68-2	73-3	79-8	- 1	79-4	84.7	82 • 4	83-4	78-7	77-0	76 - 4
10	78-4	74-2	73-1	79-1	-	81-9	81.0	86 - 3	86 - 4	79-7	78-6	69-1
11	79-0	79-8	71·3 74·7	76 - 7	75-6	83-2	78-9*	88-8	86-3	77-9	75-2	68-7
12	76 - 4	78-9	74-7	<u>71·7</u>	75-7	80-3	77-4	84-1	84-1	79-7	74-1	76 • 7
13	81-4	80-8	78-1	76 - 9	78-4	78 • 5	83-4	84.8	83-6	82.6	75-2	77-3
14	80-9	78-7	74-8	75-9	77-7	<u>78-0</u>	84-7	82 • 4	84-6	83-3	77-1	74-3
15	78-1	. 78-7	76 - 4	76 - 9	73-7	80.1	78•7	85-3	83-2	83-0	74-2	77-6
16	80-2	83-8	79-2	75 - 7	77-6	82-4	85-7	88-2	82-4	84-6	73-3	75-8
17	79-9	78-6	79-1	76 - 9	77-4	80-2	83-3	88-6	81-9	77-9	72-1	73.0
18 19	75-9	80-2	80-2	79-6	73·1 80·2	85-2	84-3	86 • 7	82-1	84-1	77-8	71-2
19	72-2	80-4	81-9	76 • 6		86 • 3	83-7	86 • 3	85-1	80-8	75-7	78-3
20	77.3	81-3	78-7	74-6	79-3	85-8	84-2	88-4	80-8	76 - 9	74-6	70-3
21	76 - 2	76 - 8	79-7	74-3	78-6	85-9	83-2	84-2	80-7	77-5	73-6	<u>68-6</u>
22	70-9	78 • 4	78-6	79-3	74-1	86 • 4	87-2	82-4	80-2	78-3	73-1	68-8
23	76-9	71.8	79-6	79-8	.76 • 5	78-7	87-5	80-1	78-0	83.9	77-3	72-3
24	78-0	74-1	81-6	72-9	75-3	78-6	84-8	85-2	83-6	76 • 3	71-2	76 • 5
25	79-8	75-6	80-7	72-8	77•6	84-8	78-8	83-6	80-6	79-6	<u>70-5</u>	76 - 9
26	77-6	67-3 74-8	81-8	74-7	83-4	85.8	81-7	83-6	<del>7</del> 8 • 7	82.3	78-4	80-6
27	77-2		76 - 3	76 • 9	74.0	83-7	88•0	81-1	84 • 8	84-0	78-0	78 - 7
28	73-8	77-0	75-2	74-7	77•0	86 - 4	87-8	80-6	83-0	85 • 4	82-6	72 - 5
29	78-8	-	74-7	75-2	77-1	85-1	86 • 3	78-7	77-5	85-4	78-4	72-3
<b>3</b> 0	76-1	-	79-8	81.46	78•0	79-0	78-7	82-1	79-0	79-6	78-1	78 • 3
<b>3</b> 1	77-1	-	76-8	-	84-1	-	80-9	<u>78-1</u>	• .	76-9	- <b>-</b>	78-7
leen	77-2	76 - 9	77-4	76 - 5	78-2	82-1	83-6	84-1	82-6	80-3	76 - 2	74-9

### 429. VALENTIA OBSERVATORY

,		Cloud Forms			Cloud (All					Visi	bility	,			Pı	recip	oita	tion.		Remarks on the Weather of the Day.
Day	7h '	13h	184	7ь	9ab   13	h   5h	18h 2	) h	7h 9i	ь 13	156	184	21Þ	7h	9ъ	136	15h	18b	21h	
1 2 3 4 5 6 7 8 9	St St St St: Stou Stou Stou St: Stou St: Stou St: Stou St: Stou St: Stou	St St: Steu Cu: Steu: Ci Cu: Steu: Ci Cu: Steu: Ci St: Steu St: Steu St: Steu St: Steu Steu: Ci	St St St Stcu: Ci Cunb: Cu Stcu St: Stcu St: Stcu St: Stcu St: Stcu St: Stcu	10 10	10 5 6 10 5 10 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9 9 9 7 10	1 9 6	10 7 6 7	I F I 1 k 1 k I		1 1 J	J J 1 k		d.	d,  d,		 ••		d,	cp $\bigoplus^{0}$ , oid ₀ $a$ : oid ₀ $p$ : oi $\bigoplus^{0}$ , id ₀ $n$ . oid ₀ , c $a$ : c, o $p$ : oid ₀ , o $n$ . oid ₀ , p $\bigoplus^{0}$ , bc $a$ : c, o $p$ : op $\bigoplus^{0}$ , bc $n$ . $\triangle$ early, c, bc $a$ : bc, c $p$ and $n$ . c, oid ₂ d ₀ $a$ : cp $\bigoplus^{0}\bigoplus^{0}p$ : bc, cp $\bigoplus^{0}\bigoplus^{0}n$ .  cp $\bigoplus^{\omega}$ , bc(), $a$ : bc(), b $p$ : bc, cp $\bigoplus^{0}\bigoplus^{0}n$ . c $\bigsqcup$ early $a$ : cloudy $p$ : c, bc, $n$ . b $\bigsqcup$ early, cp $\bigoplus^{0}a$ : cidd ₀ , bc $p$ : bcp $\bigoplus^{0}n$ . bc, c $a$ : cloudy() $p$ : cloudy $n$ . bc, c $a$ : c, cid ₀ $p$ : cid ₀ , cp $\bigoplus^{0}n$ .
11 12 13 14 15	St: Frnb Cumb: Frnb St: Frnb St St: Stcu	Cunb: Frnb: Stcu St St St: Stcu Cu: Stcu: Ci	Cunb: Frnb St: Frnb: Nbst St: Steu St: Steu St: Steu: C1	10 8 10 10	9 10 10 10 10 10 8 7	9 10 10 9 9	10 1 10 1 10 9	0 9 9	J kk kJ J I kk l	h I 1	k J I n	k J J 1	k h j l	● d _• 	<b>d</b>	d,			•	ci $\bullet^{\circ} \bullet \bullet^{\circ}$ , cp $\bigwedge_{\alpha} \circ b$ , cp $\bigwedge_{\alpha} \circ b \circ \circ \bullet^{\circ}$ , cp $\bigwedge_{\alpha} \circ b \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ $
16 17 18 19 20	St: Steu St: Steu Steu: Aeu St St: Steu	St: Steu St: Steu Cu: Steu St: Steu St: Steu	St: Ston St: Ston St: Ston St: Ston St: Ston	7 10 4 10 10	10 10 3 1 10 10	9 10 7 10 10	10 1 10 1 10 1 10 1	0 3 0 0	1 1 1 1 1 k I J J J	1 1 1 J J	1 1 1 J J	1 k J I	l k J I							cloudy throughout. cloudy throughout. c, bc a: bc, c p: c, bc n. bc, c a: cloudy p and n. cloudy a: c, cz _e p: cz _e n.
21 22 23 24 25	St: Steu St: Steu St: Steu St: Steu St: Steu	St: Steu St: Steu St: Steu St: Steu Cunb: Frnb	St: Steu St: Steu Steu St: Steu Cunb: Frnb	10 10 10	9 10	9 10 9	10 10 9 1 10 1	0 1	- 1	,	1	J	۱ ۱	•,		]···	•	•	•	for A On it
26 27 28 29 30 31	Cumb: Frnb St: Steu St: Steu; Acu: Ast St St	Cunb: Steu St: Steu St: Steu: Ci Ci St St: Steu: Ci	Cu: Steu St: Steu St: Steu St: Steu Frst: Acu: Ci St: Steu St: Steu	10	.0  10	10	5 9 10 1 7 9	7 ] ]	E	1 m 1 m F	l k G k	1 m J m J	1 1 3 1 k	 •° d₀	 d	 d ●°			d.	cp
Mean Cloud Am'nt.				8-5	9-6 8-	9-0	8-7 7	. 7												

430.	VALENTIA	OBSERVATORY

FEBRUARY, 1935

				_	_	-	_		_	_	- 1	_		7	_	$\overline{}$	_	7	_		
1 2 3 4 5	St: Steu St St St: Frnb St: Steu	St: Frnb St: Steu St St: Steu St: Steu	St St: Steu St: Steu St: Steu Cunb: Frnb: C1	10 10 10 10 3	10 10 10 10	101	0 10 9 10 0 10 0 10	10 10 10 10 9	J h I I	14404	I J 1	JKIKJ	h h J J J k k l	. d d	d			. d	<b>d</b> ₀	cp ● odd, odd, odd, odd, odd, odd, odd, od	$ a_i c a : \operatorname{cidd}_1 p : \operatorname{oi} \bigoplus_{i=0}^{0}, \operatorname{oid} n. $ $ a_i : \operatorname{od}_0, c p : \operatorname{cid}_0, \operatorname{oi} \bigoplus_{i=0}^{0} n. $ $ c a : \operatorname{oid}_0, c p : \operatorname{cloudy} n. $ $ a_i : \operatorname{oid}_0, a : \operatorname{ci} \bigoplus_{i=0}^{0}, c p : \operatorname{cp} \bigoplus_{i=0}^{0}, \operatorname{bc} n. $ $ a_i : a : c \bigoplus_{i=0}^{0}, c p : \operatorname{cp} \bigoplus_{i=0}^{0} \bigoplus_{i=0}^{0}, c n. $
6 7 8 9	Cunb: Steu	Cu Acu: Ci Ci Cu: Steu: Acu: Ci Frst: Steu	Freu: C1 Acu Acu Cu: Steu: Cist:Ci Frst: Steu: Nbst	7 0 0 0 10	3	3 2	8	7/10	1 k 1 k	l m k l	m 1 1	m 1 1	m í k				.1	: :::	1	b⊷, i b⊷, i b⊷, i	a: bc, b() p: bc(), b a n. bcy $a: bcy, c p: c, b a n.$ bc $a: bcy, c p: ba, b n.$ b $a: bcy, c p: ba, b n.$ b $a: bcy, c p: bca, o n.$ y throughout.
11 12 13 14 15	Frst: Steu Frnb: Steu Frnb Cu: Steu Frnb	St: Steu: Ast Frst: Cu: Ci St: Steu Cu: C1 St: Frnb	St: Frnb St: Steu Cu: Steu: Acu St: Steu: Ast St	10 9 10 3 10	3 10 9 10	5 10 3 10	- 1	0 10 8 7 0 10 0 10	J h k h	J 1 I	k l I	k 1 I	J J k I k J l h I I	•				d	d	ci ● º, cp ● º, c, o ● cp ● (	c $a$ : c, ci $lacktriangle^{\phi}$ : ci $lacktriangle^{\phi}$ and p $lacktriangle^{\phi}$ , bc $a$ : bc, ci $lacktriangle^{\phi}$ p : c $lacktriangle^{\phi}$ , od, c $n$ . $lacktriangle^{\phi}$ , cid $a$ : cid, bc $p$ : cloudy $n$ . $lacktriangle^{\phi}$ , cid $a$ : odd $_0$ $p$ : od, id $_0$ $n$ .
16 17 18 19 20	Frst: Frnb St: Frnb: Steu St: Frnb St: Frnb:Steu:Acu St: Frnb: Steu	St: Frnb: Acu St: Steu: Acu: Ci St St: Steu: Ast Frnb: Steu	St: Cu: Frnb St: Cu: Acu: Ci Frnb: Stcu Frnb: Stcu Frnb: Stcu	9	10 5 10 9 2	9 5 10 10 9	8 9 10 10 10 9	7 1 7 9 9 10 0 10 9 10	r 1 1 p	h 1 J J	k J 1	K	k k k k		. d	d	•			cp ● °, ci ● °, c ● ●	$a: ci \bullet^0$ , $cp \bullet^0 = p : cp \bullet^0$ , $b, cp \bullet^0 = n$ . $bc a: bc, c p: cp \bullet^0 = n$ . $oid_a a: oid_a \bullet$ , $od = c p: cloudy = n$ . $cp \bullet^0 a: c, cp \bullet^0 p: cp \bullet$ , $eq \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet^0 p: cp \bullet$
01 22 23 24 25	Cunh: Steu Cu: Steu: Aeu Cu: Steu: Aeu Frnb Frnb: Nbst	Cunb: Stcu Frnb: Nbst St: Stcu: Ast St: Frnb: Acu: C1 Cu: Stcu: Ci	Frnb: Nbst Curb: Cu: Ci Cumb: Frnb: Ci St: Cu: Steu Cu: Ci	9 7 9 8 10	9	7 10 10 9	6	0 10 7 3 5 2 9 10 3 1	k 1 1	n.	1 J 1 k 1	1 J	1 J					: :::	•	bc, cp	
26 27 28	Frst: Acu:Cist:Ci St: Frnb St: Frnb	St: Stou: Ast Cunb: Ast Cunb: Frnb	St: Frnb:Stcu:Nbst Cunb: Frnb Frnb: Stcu	8 8 9	10 5 7	9 5	10 1	0 10 9 10 7 10	l k k	1 1 1	1 k 1	J k 1	I I J					.	( •	° cp ●q	: $c \bullet \bullet^{\bullet}$ , $ \bullet^{\bullet} \Delta^{\circ}$ 14h to 21h then $c p \bullet n$ . , be $a : bcp \bullet^{\bullet} \Delta^{\circ}$ , $c \not p : cp \bullet \Delta$ , $c \bullet^{\circ} n$ . , $c p \bullet \Delta q \ a : cp \bullet^{\circ}$ , $p \not H$ , $c p \Delta^{\circ} p : cp \bullet^{\circ} \Delta^{\circ} n$ .
Mean Cloud Am'nt.				7-8	70	7-6	<b>149</b> 8•	7-1								1					
Davi	7h	13h	1 <b>8</b> h	7b	9h	3Ь 1	5h 18	h 211	7h	9h	13b	15h	18h 21	7	P   91	. 13	15	18	211	h	Remarks on the Weather of the Day.
Day	Cloud Forms			Г			mou		Τ	``	/isıbi	ility		T	F	rec	ipita	tion		]	The same of the bay.

# 431. VALENTIA OBSERVATORY

		Cloud Forms				ud /			I		Vis	ibilit	y			F	reci	oita	tio	ı.	Demonite on the Weether of the D
Day	7h	13h	18h	7⊾	96	13h	5 <b>h</b>	8h 21	1h 7	h 9	h 13	3 <b>5</b> 151	h 18	216	7h	9	h 13	h 151	18	ь 211	Remarks on the Weather of the Day.
1 2 3 4 5	St:Ast Cumb: Steu Cumb: Frmb: Steu Cumb: Steu:Ci St: Acu	St: Steu Cu: Steu: Acu: Ci Cunb: Steu: Acu Cu: Steu: Ci St: Cu: Steu	St: Steu St: Steu: Acu: Ci Cu: Steu Cu:Steu: Aculent:Ci St: Steu: Acu	5 6	5 8	9 6 7 9	8	8 7	5 J 9 1 3 1 9 1	k 1 1 m	k 1 1 1 m 1	k 1 1	k 1 1 1	l k l k	•°	•					c, $0 \bigcirc 0$ 6h—9h then $cp \bigcirc a : cp \bigcirc 0$ —, $c \not p : cp \bigcirc 0$ —, $bc \not n$ . bc, $c \not a : cp \bigcirc 0$ , $c \not p : c$ , $ci \bigcirc 0$ 0 —. cp $\bigcirc 0$ 0, $bc \not a : bc$ , $c \not p : cp \bigcirc 0$ , $bc \not n$ . bc, $cp \bigcirc 0$ $a : c$ , $bc \not p : c$ , $co \bigcirc 0$ 0 — $22h$ — $24h$ . $o \bigcirc 1$ , $bc$ , $c \not a : cloudy \not p and n$ .
6 7 8 9	St: Steu: Ci Cu St: Steu St: Steu Cu: Steu	Steu: Ci Cu: Freu Steu Cu: Steu Cu: Steu	St: Steu: Cist:Ci Freu: Ci Steu Cu Cu: Steu: Acu	5 1 6 7 9	9	9 2 5 4 6	9 7 3 9	9 1 4 1 8	3 k 1 m 5 1 8 1	1 1 1 k	m 1 1 k										c. early, bc $a : c() p : c()$ , bc $n$ . by, $c() a : bc()$ , $c p : b$ , bc $n$ . b, bcy $a : bc$ , cy $p : bc$ , $c$ , $n$ . bc, cy $a : bc$ , by $p : bcy$ , $c n$ . cloudy $a : bc$ , cy $p : cloudy n$ .
11 12 13 14 15	Freu: Acu St: Steu Frst: Steu:Acu C1 St: Steu:Ast	Frou St: Stou Stou: Ast Frou: Ci St: Stou: Ast	St: Steu Acu: Ast:Cist:Ci Cu: Steu: Ci St: Frnb: Nbst	9	10 9 0	10	1 5 10 1	0 10 7 10 9 5 6 1	] J J k J J J	k J k J	k J k J	k J J J	k J J J	] ] ] ]	  			•			c, by $a$ : by $p$ : by, c $n$ . cloudy $a$ : bc, c $p$ : cloudy $n$ . cloudy $a$ and $p$ : c[], bc $n$ . bc. $a$ early, by $a$ : by, bc $p$ : bc, c $n$ . cp $\bullet$ 0 $a$ : cp $\bullet$ 0, 0 $\bullet$ 0 $\bullet$ 15h—24h.
16 17 18 19 20	St: Frnb: Nbst St: Cu: Acu: Ci St St: Stcu: Ast St: Stcu: Acu: Ci	St: Steu: Ast Cu: Cist: Ci St St: Steu St: Cu: Steu	St: Frnb: Ast Stcu: Acu: Ast St: Stcu St: Stcu St: Stcu	10 8 10 10 6	7 3 10 10 3	10 5 10 9 6	10 1 9 10 1 10 1	10 9 10 9 10 9 10 9	J 0 1 0 G k	J 1 h J 1	1 1 1 1 1	I m h J	J 1 k J	J k J	<b>d₀</b> 	d	o d	. d₀			ci $\bigoplus^0$ , c $a$ : c, c $\bigoplus^0 \bigoplus$ 14h—18h $p$ : ci $\bigoplus^0$ , c $n$ . c, bc $a$ : bc, c $p$ : c, oi $\bigoplus^0$ $n$ . oi $\bigoplus^0$ $\mathbb{d}_0$ $a$ : oid $_0$ , c $p$ : cloudy $n$ . cid $_0$ , ci $\bigoplus^0$ $a$ : cloudy $p$ : ci $\bigoplus^0$ , b $n$ . b $\bigoplus$ early, bc $a$ : bc, c $p$ : c, oid $_0$ d $n$ .
21 22 23 24 25	St: Steu: Acu Cu: Steu: Acu St: Steu St St: Steu	St: Frnb Cunb: Cu: Acu: Ci St St St: Stcu	Frst: Stcu: Ast St: Cunb: Stcu St: Stcu St: Stcu St: Stcu St: Stcu	9 4 10 10 10	10 9 10 10 10	10 5 10 10 10	10 9 10 10 10	9 8 9 9 9 10	k 2 1 3 h 1 k	h J											c, $c \oplus^0 a : c \oplus^0 12h$ —15h then $c \not p : \text{cloudy } n$ . $c \not p \oplus^1$ , $c \not a : \text{cp} \bigoplus_{\bullet} \text{bc } p : \text{bc } n$ . $b c$ , $c \oplus 2h$ —4h, $\text{oid}_0 \bigoplus_{\bullet} a : \text{oi} \oplus^0$ , $c \not p : \text{cloudy } n$ . $c$ , $\text{oid}_0 \bigoplus_{\bullet} a : \text{ci} \bigoplus_{\bullet}^0$ , $c \not p : \text{cloudy } n$ . $\text{cid}_0 \text{ generally}$ .
26 27 28 29 30	St Steu: Acu: Ci St: Steu St: Steu St: Steu St: Steu St: Steu	St: Steu Cu: Steu: Acu:C1 Freu: C1 St: Steu St: Steu St: Steu	St: Steu St: Steu	10 10	10	10	9 1	10 10 1 1 1 9 10 10	)   1  k	J G J 1	k m k 1	k 1 k 1	k 1 k 1	J k k				 			oid _n , c $a$ : cloudy $p$ and $n$ . bc $a$ , of, bc $a$ : bc, b $p$ : b $a$ $n$ . bc $a$ early, c, bc $a$ : bc, b $p$ : c, b $a$ $a$ . b $a$ early, c $a$ : cloudy $p$ and $a$ . a early, cloudy $a$ and $p$ : c, bc $a$ . cloudy $a$ : c, od _n $p$ : oidf, cp $a$ 0 $a$ 0.
Mean Cloud Am'nt.	ot. Steu	ot: otcu	St				$\exists$	.47.	T	1	K	1	F	n.	Ë	Ï	Ť	40	u	0 46	Goody a. c, out p: oids, cp vn.

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APRIL, 1935

1	St: Steu: Acu	Cu: Steu: Acu	Cunb: Steu	9	9 5	9	8	3 1	1	1 1	1 1	1 m						$cp \bullet^{0}$ , be $a : c$ , be $p : c$ , b $n$ . b, c, bey() $a : bey() p : be()$ , be $n$ .
2 3 4 5	Cu: Steu Cu: Steu St: Frnb: Acu Cu: Steu: Mcu	Cu St: Cu: Steu: Ci St: Frnb: Steu Cunb: Frnb	Cu: Cist: Ci Cu: Steu: Acu: Ci Cunb: Frnb:Steu Cunb:Steu:Acu:Cist	3 10 5	9 8	9 10 4	9 9	3 1 2 1 4 m 4 1	*		m J 1	111	::			•		bc, c, bcy0 $a : epe^0$ , c0 $p : e0$ , bc $n$ .  cpe $a : epe^0$ , c0 $p : e0$ , bc $n$ .  cpe $a : epe^0$ , cpe $a : epe^0$ , bc), cpe $a : epe^0$ , bc), cpe $a : epe^0$ , cloudy $a : epe^0$ , cpe $a : epe^0$ , bc), cpe $a : epe^0$ , cope $a : epe^0$ , bc), cpe $a : epe^0$ , cope $a : epe^0$ , bc), cpe $a : epe^0$ , cope $a : epe^0$ , bc), cpe $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$ , cope $a : epe^0$
6 7 8 9 10	St:Steu:Aeu:Ast Cunb:Frnb:Aeu:Ast Cunb: Frnb: Aeu St: Cu: Frnb:Aeu Cunb:Cu:Frnb:Aeu	St: Frnh: Nbst St: Steu: Ast Frst: Ast St: Frnb St: Cu: Steu	St: Frnb Cu:Ci St: Frnb: Ast Frnb St: Frnb	10 1 8 8 6 8	0 10 9 9 9 10 9 10 7 8	10 9 10 10 9	10 10 10 10 10 10	2 1 7 k 0 1 0 J 9 J	1 1 k k	I I 1 1 1 k k J k k	,	m k h J	: •					bc, ci $\oplus$ , cp $\oplus$ $^{\circ}$ $a$ : cp $\oplus$ $^{\circ}$ , bc $p$ : bc, c $n$ . cp $\oplus$ $^{\circ}$ $\oplus$ $^{\circ}$ $\oplus$ $^{\circ}$ c; c, c $\oplus$ $^{\circ}$ $^{\circ}$ 15h to 18h $p$ : ci $\oplus$ , bc $n$ . bc, cp $\oplus$ $^{\circ}$ $^{\circ}$ $^{\circ}$ ci $\oplus$ , c $\oplus$ $^{\circ}$ 14h to 20h, then cp $\oplus$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$
11 12 13 14 15	St:Cunb:Steu:Ci Ast:Cicu:Cist St:Steu:Cist:Ci Cunb: Cu:Frnb:Ci Cu:Steu:Acu:Cist	St: Cunb: Steu	Cu: Ci Steu: Acu: Ast Cu:Frnb:Acu: Ast Cu: Steu: Acu Cunb:Frcu:Acu:Cist	7 9	2 2 9 10 3 6 6 9 9 9	5	9 10 8 7 8 8	3   1 6   k 8   1	1	m m m m m m m m m m m m m m m m m m m	m m 1 1 1 1 1 1	1 1 1 k	: : :					$cp \bullet^{\bullet} \bullet$ , $b \ a : bcy 0 \ p : bc$ , $b = n$ . $b = 1$ , $cy 0 \ a : cy 0 \ p : c$ , $c \bullet 1$ , $bc n$ . $bc$ , $cp \bullet^{\bullet} a : bc$ , $cp \bullet^{\bullet} \bullet n$ . $ci \bullet 1$ , $cp \bullet^{\bullet} a : bc$ , $cp \bullet^{\bullet} p : cp \bullet^{\bullet} n$ , $bc n$ . $cp \bullet 1$ , $cp \bullet 2$ , $cp \bullet 3$ , $cp \bullet 4$ .
16 17 18 19 20	Cunb:Frnb:Ast:C1 Cunb: Frnb:Ast:C1 St: Frnb: Stcu Cu:Stcu: Acu: C1 Cunb:Stcu:Acu	St: Frnb Frnb: Steu St: Cu: C1 St: Steu: C1 Cunb:Steu: C1	Cumb: Frmb Cumb: Steu: Ci Frmb: Ast St: Cu: Frmb Cumb: Steu: Ci	9 10 8	7 10 4 9 8 4 8 9 3 4	9 9		1 1	1 1	k k l k k l l	l   l L   m	i	 •°		91		●9	cp $\triangle$ q generally. cp $\triangle$ •, p $\triangle$ * a : c, bc \$\phi\$ : bc, c n. c, c $\triangle$ • 2 h to 8 h, bc a : bc, ci $\bigcirc$ • p : ci $\bigcirc$ •, p $\bigcirc$ n. cp $\bigcirc$ •, bc, cp $\bigcirc$ • a : cp $\bigcirc$ • p : cp $\bigcirc$ •, ci $\bigcirc$ • n. ci $\bigcirc$ •, b, bc a : bc, c \$\phi\$ : ci $\bigcirc$ •, bc * u.
21 22 23 24 25	Cunb: Stou:Aculent: Ci Cunb: Frnb: Stou St: Stou Cu: Stou: Acu: Ci Stou	Cumb:Etcu:Acu:Cist Frnb Stcu: Ast Stcu Cu: Stcu	Cunb: Cu: Ci Cu: Frnb:Stcu Cu:Stcu:Cist:Ci Ci Cu: Frnb: Acu	9	9 9 9 9 9 10 5 9 8 4	9 9	3 10 9 10 7 1 1 3	3 1 3 1 1 m	1 J 1 m	1 1 J J 1 1 1 1		1 1 1			•	•1	 •°	bc, $\operatorname{cp} \bullet^0$ , $\operatorname{ca} : \operatorname{cp} \bullet^0$ , $\operatorname{bc} p : \operatorname{bc}$ , $\operatorname{cp} \bullet^0$ $\operatorname{generally}$ , $\operatorname{cp} \bullet^0$ , $\operatorname{ca} : \operatorname{cloudy} p : \operatorname{c}$ , $\operatorname{bn}$ , $\operatorname{bc} a : \operatorname{c}$ , $\operatorname{b} p : \operatorname{b}$ , $\operatorname{bc} a : \operatorname{c}$ , $\operatorname{b} p : \operatorname{b}$ , $\operatorname{bc} a : \operatorname{c}$ , $\operatorname{bc} a : \operatorname{bc}$ , $\operatorname{co} p : \operatorname{c}$ , $\operatorname{bn}$ .
26 27 28 29 30	Stcu:Aculent Cist St: Stcu	Cu: Steu Acu Freu: Cicu Cu: Cist St: Steu	Cu: Steu Freu. Ci Cicu: Ci Cu: Acu: Ast St: Cu: Steu: Ci		1 5 0 1 1 1 9 9	6 1 9 10	2 1 3 9 10 8	l m l l k O k	1 k k J	1 I m s k k J J I I	l l m m k k J I I J	k J I						be early, be $a : bc p : bc$ , be $n$ . be, by $a : bp p : by$ , be $n$ . be early $a : b$ , be $p : bc$ , be $n$ . be, ca: c, cz, $p : cz_0 n$ . cz, ca: ci $\bullet$ , cp: c, cp $\bullet$ , cn.
Mean Cloud Am'nt.				6-66	77.	17-1	6-96-	3										
Day	7h	. 13h	18h		丄	Amo	18h 2	b 7b		LL		h 21h	7ь	i	<u>l</u>	- 1	18b 211	Remarks on the Weather of the Day.
		Cloud Forms					unt is)			'isıbil	lity		L	Pre	cip	itati	on.	

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_		Cloud Forms.					mou orms				Visil	bility	,.			P	recip	oita	tion		Remarks on the Weather of the Day.
Day.	7h	13h	184	7ь	96	13h 1	5h 18	jh 21	ь 71	98	131	15h	1 <b>8</b> h	21h	7Ь	91	131	15	18	211	•
1 2 3 4 5	St: Steu: Ast Frst: Frnb: Acu Frst: Frnb: Nbst St: Steu: Acu: Cicu Cu: Steu	St St St Frst: Stcu: Ast Stcu: Acu: Ast Cu: Stcu Cu: Acu: Ast: Cist	St St: Steu St: Steu St: Steu Cu	10 9 10 9 3	1 1	10 10 10 10 9	- 1	0 10 0 10 0 10 1 1 8 1	k J 1 1 I	1 1 1 1 J	J J 1 1	IKKJK	k J k J	JJkJk	• ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		. d.	•••	•	d, ●° 	$cp \bigoplus^{n}$ , $c \ a : oid_{0}$ , $od \bigoplus$ , $o \ p : oid_{0}$ , $cp \bigoplus$ $n$ . $cp \bigoplus$ , $oid_{2} \ a : oi \bigoplus^{n}$ , $o \bigoplus^{n} \bigoplus$ 16h to 20h, then $ci \bigoplus^{n}$ , $cp \bigoplus n$ . $c \bigoplus^{n}$ , $ci \bigoplus^{n} \ a : ci \bigoplus^{n}$ , $oi \bigoplus^{n}$ , $c \ p : ci \bigoplus^{n}$ , $c \ n$ . $c$ , $ci \bigoplus^{n} \ a : c$ , $c \bigoplus^{n} \ 15h$ —20h, then $c \ n$ . $bcz_{2}$ , $c \ a : c$ , $b \ p : b \bigsqcup n$ .
7 8 9 10	St: Steu Ci Cu: Ci Cu: Ci	St: Ast Cu: Ci Cu: Acu	Frst: Acu Cu: Frcu: Ci Stcu Frcu:Aculent:Cicu:Ci	9 1 3 1	10 1 1 1	10 1	10 6 9 1	9 8 4 1 9 2 2 2	1 1 E J	k 1 J k	k I k k	k J k	I J I 1	I J J k		•	0	•	o		b.a. early, bc $a$ : bc, c $p$ : c, b.a. $n$ . b.a. early, ci $\bigoplus$ $a$ : cp $\bigoplus$ $p$ : c, $p$ : c, bc.a. $n$ . bc.a., by $z_0$ $a$ : by $z_0$ , bc $p$ : bc, b.a. $n$ . b.a., bcf, b $a$ : by, cz ₀ $p$ : cz ₀ , bc $n$ . bc.a. early, by $a$ : by, bcy $p$ : bcy, b.a. $n$ .
11 12 13 14 15	Cu: Acu: Ci Cu: Stcu: Acu Cu: Acu	Gu Steu Cu: Cicu: Ci Steu:Acu:Ast: Ci	Aculent Cu Frst: Stcu Frcu: Ci Cunb: Cu: Stcu	0 1 0 8 2	1 3 6	0 1 9 6 8						J k l m k							:   · · · ·   · · ·		b $\triangle$ early, by $a$ : by, bc $p$ : b, b $\triangle$ $n$ . b $\triangle$ early, by $z_0$ $a$ : by $z_0$ , c $p$ : b, c $n$ . c, bc, cy $a$ : cy, c $p$ : cloudy $n$ . c, bcp $\bigoplus$ b $a$ : bc, by $(p)$ $p$ : by $(p)$ , b $(n)$ , b $\triangle$ early, bcy, cp $\bigoplus$ $(a)$ $a$ : cp $\bigoplus$ $(a)$ $p$ : c, bc $(n)$ .
17	Steu: Acu: Cicu: Ci St: Frnb: Steu: Nbst Cunb: Steu: Acu: Ci St: Steu St: Cunb: Steu	St: Cu: Steu: Acu	Cu: Steu Cumb: Cu Cu: Steu: Ast St: Cu: Steu Frnb:Cumb:Ast:Ci	9 10 7 9 8	7 9 9	9	3 5 9 9	9 9 5 3 9 10 8 9 7	k m 1 J	1 m 1 k	m m k J	m m l l J	m m 1	m m k k						•	bc, cy $a$ : bcy, c $p$ : cp $\spadesuit$ , c $n$ .  ci $\spadesuit$ , cp $\spadesuit$ , bcy() $a$ : bcy() $p$ : bcy(), b $n$ .  by, c, cp $\spadesuit$ ° $a$ : cy, c $p$ : cp $\spadesuit$ °, ci $\spadesuit$ ° $n$ .  cp $\spadesuit$ $\spadesuit$ °, c $a$ : cp $\spadesuit$ $\spadesuit$ $p$ and $n$ .  cp $\spadesuit$ $\spadesuit$ °, ci $\spadesuit$ $a$ : ci $\spadesuit$ , cp $\spadesuit$ $\Phi$ $p$ : cp $\spadesuit$ $\Phi$ $p$ .
21 22 23 24 25	Frcu: Aculent Acu Frcu: Aculent: Ci Frcu: Ci	Cu: Steu Freu: Ci Steu: Aeu: Ast: Ci Freu: Aeu: Ci Acu: Ci	Cu: Ci Acu: Ci Cu: Acu:Cicu: Ci Acu: Ast Cu: Acu:Cicu: Ci	1 2 0 8	7	8 7	4 6 8 4	1 1 5 5 1 1 9 10 7 7	k 1 1	k 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1	m 1 1 1							bc, by $a$ : bcy, by $p$ : by $0$ $n$ . by, bc $a$ : by, bcy $p$ : bcy, b $n$ . b, c $a$ : cy, bcy $p$ : bcy, b $n$ . b. early, bc $a$ : cy, c $p$ : cloudy $n$ . c, bcy $a$ : by, cy $p$ : bcy, c $n$ .
26 27 28 29 30	Acu  St: Stcu Stcu: Ast	Cu: Steu Cu: Steu Freu Freu: C1 Freu: Steu: Acu	Cu: Steu Freu Freu:Acu: Cicu:Ci St:Steu:Acu:Ast	3 0 9 10	1 0 8 9	2 1 8 9 1	4 5 1 9 10	3 2 2 1 3 10 6 10	k J G J	k k k I J	k k J k	k 1 J J	k 1 J k J	J J k J							c, by, bc $a$ : bc $p$ : bc, b $a$ $n$ . be early, bc $a$ : bc, c, b $p$ : bc, b $a$ $n$ . be early $a$ : b, bz, $p$ : bz, be $n$ . be, ofe, bc $a$ : cloudy $p$ : c, be $a$ . be early, c $a$ : cloudy $p$ and $a$ .
31	St: Steu: Nbst	St: Cu: Steu	Frou: Ci	10	8	9	8	4	J	k	k	k	1	1	•°		-		+	<u> </u>	ci ● •, e a : c, bc, b p : bc, b n.
Mean Cloud Am'nt.				5-0	5-1	5-96	-65	9 5-1	5												

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JUHE, 1955

1						- 1	-	1	ł	1 1	1	1	1	1	1	1	1 !			
2 3 4 5	Cu: Steu: Aculent Cumb:Cu:Steu:Acu St:Frnb:Acu:Ast St: Frnb: Nbst St: Steu: Acu:Ast		St: Steu St: Cunb: Steu Cu: Frnb: Steu St: Frnb: Steu Cu: Ci	10	10 10 10 9	8 0 10 0 10 5	0 10 5 5	7 9 9		k	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		I k J k 1	1	•				 ••	$ \stackrel{\circ}{\operatorname{cp}}, \stackrel{\circ}{\operatorname{ci}} \bullet^{\bullet} a : \stackrel{\circ}{\operatorname{ci}} \bullet^{\bullet} \bullet^{\bullet}, \stackrel{\circ}{\operatorname{cp}} : \stackrel{\circ}{\operatorname{ci}} \bullet^{\bullet}, \stackrel{\circ}{\operatorname{cn}}. $ $ \stackrel{\circ}{\operatorname{ci}} \bullet, \circ \bullet^{\bullet}, \circ a : \operatorname{cp} \bullet^{\bullet}, \stackrel{\bullet}{\operatorname{id}} \bullet^{\bullet}, \circ \stackrel{\circ}{\operatorname{p}} : \operatorname{ci} \bullet^{\bullet}, \circ \stackrel{\bullet}{\operatorname{p}} \bullet^{\bullet}, \circ n. $ $ \stackrel{\circ}{\operatorname{cp}} \bullet^{\bullet}, \text{ bc } a : \text{ bc, } \circ p \text{ and } n. $
6 7 8 9 10	St: Frnb Cunb:Frnb:Acu:Ci Cunb: Cu: Acu Cu Frnb:Steu:Ast	St: Cu: Steu Cunb:Steu:Acu:Ci Cu: Ci Cu: Acu Frnb:Steu:Ast	Frst: Cu: Stou: Acu Cumb: Frnb: Stou Cu Frst: Cu: Acu Frnb: Hbst	10 9 6 8 10	3	6 3 4 4 9 9	8 9 5 5	6	J J 1	J k 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 k 1 m 1 1 J	k 1 m k J				•		 ••	c, $0 \oplus 0^{+} \oplus 0^{+}$ 2h to 8h, c $a$ : c, bc $p$ : bc, cp $\oplus$ n. ci $\oplus$ p $\oplus$ , bc $a$ : bc, cp $\oplus$ $p$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : cp $\oplus$ $n$ : c
11 12 13 14 15	Frnb: Nbst Cunb: Cu: Acu Cunb: Cu: Stcu Cunb: Cu: Acu Cunb:Cu:Frnb:Stcu	St: Steu Cunb:Cu:Steu: Ci St: Steu: Ast Cunb: Cu Cunb: Frnb	Cunb: Frnb: C1 Cunb: Frnb: Ast St: Mbst Cunb: Cu: C1 Cu: Stou: Acu	3 6	7 6 1 3	6 8	9 10	3	J m k m	7 1 1 E 1	1 1	1 k 1 k k m 1 1	1 1 1 1				 	••		cı $\bigoplus$ $\bigoplus$ , cp $\bigoplus$ $\bigoplus$ $a$ : cp $\bigoplus$ $\bigoplus$ , bc, cp $\bigoplus$ $p$ : cp $\bigoplus$ $\bigoplus$ $\bigoplus$ $\bigoplus$ c $n$ . bcp $\bigoplus$ $\bigoplus$ $\bigoplus$ c $\bigoplus$ $\bigoplus$ $\bigoplus$ $\bigoplus$ c $\bigoplus$ $\bigoplus$ c $\bigoplus$ cp $\bigoplus$ c $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ cp $\bigoplus$ c
16 17 18 19 20	St: Cu: Steu St:Freu:Acu: Ast St St St: Steu: Acu	Cu St: Stcu: Ast St: Stcu St St:Cu:Stcu:Acu	Cu: Stou Frst:Frnb:Stou:Ast St: Stou: Acu St Frst: Frnb: Hbst	7 9 10 10 9	7 10 1	0 10 9 10 9 10	7 5 10 10 10	7 10 10 10	k 1 J B J	¥ 1 5 H 5	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	k k k k k I	k F J k	 d	 ••	•°	d.	••	d,	cp $\bigoplus$ *, bc a: bc, c p and n. bc $\triangle$ , ci $\bigoplus$ * a: ci $\bigoplus$ *, c $\bigoplus$ *, c(), ci $\bigoplus$ * p: o $\bigoplus$ *, i $\bigoplus$ *d, n. od, oi $\bigoplus$ *, id, a: oid, c p: c, oid, n. oid, $\bigoplus$ * $\bigoplus$ *, df, o $\bigoplus$ * $\bigoplus$ * $\bigoplus$ * 8h to 14h, then od, c p: o $\bigoplus$ *, ci $\bigoplus$ *, ci $\bigoplus$ *, c a: cloudy p: c, c $\bigoplus$ * n.
21 22 23 24 25	St: Steu St: Frnb Freu: Acu Frst:Acu:Cieu:Ci St: Steu	Cu:Steu:Acu: Ci St: Steu Cu: Freu: Ci Freu: Acu: Ast St: Cu: Steu	Cu:Steu: Aeu: Ci Frou: Acu: Cieu Aeu: Ci Frst: Acu: Ast Frst: Cu: Steu	9 10 1 8 9	10 3 8	9 1	5 2 2 3	10	k J m 1 k	k J m 1 k	1 m	l l m m m m l k J J	l m k J	•	•	 	  			o $\emptyset$ , i $\emptyset$ , c $a$ : cloudy $p$ : c, o $\emptyset$ 22h to 24h. o $\emptyset$ 4 until 11h, then c $a$ : c, bc( $p$ : b(), c $n$ . c, b. $a$ , bc $a$ : b, bc $p$ : bc $n$ . bc, c $a$ : c, ci $\emptyset$ $p$ : cloudy $n$ . cloudy $a$ : c, bc $p$ and $n$ .
26 27 28 29 30	Frnb: Nbst Frst:Stou:Aou:Ast St: Stou St: Stou Cu: Clou	St St St: Stou Cu:Stou: Acu: C1 Cu	St St: Stou St: Stou Cu: Acu: Ci	10 10 10 3	10 1	0 1 9 4 1	0 10 0 10 9 10 1 1	10 10 9 4 1	h I I I	1 h 1 1	I k 1	I	I h m k	●°  d₀ 	d,	d. 			<b>d₀</b> 	c, $0 \bigoplus \bullet^2 \bigoplus^6 6h$ to $22h$ , then cloudy. cloudy $a : oid_a$ , $0 \not p : oid_a \not n$ . oid_a, $c \not a : cloudy \not p : c$ , $oid_a \not n$ . oid_a, bc $a : bc$ , $c \not p : cid_a$ , bc. $a : n$ . bc, c, b $a : fine \not p : b$ , b. $a : n$ .
Mean Cloud Am'nt,	E			8-16	<b>3</b> -07	-67	47.8	7-6												
Day	7h	13h Cloud Forms	184	Ш	Clow	ı An	noun		7h	Ш	13h i	5h   8	214	76		_	15h		211	Remarks on the Weather of the Day.

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Day.		Cloud Forms					Amoui orms)			,	Visib	ility				Pre	cipi	tati	on.	Remarks on the Weather of the Day.
Day.	7h	13h	18հ	7⊾	9b	3ъ	15 <b>b</b> 18	h 21	h 75	9h	13h	154	181-2	214	7 h	9b.	3р	15h	185 21	
1 2 3 4 5	Cu: Steu: Acu St: Steu: Most St: Steu: Ast St: Steu St: Steu	St: Steu St: Steu St St: Steu St: Steu	St: Steu St: Steu St St St: Steu	9 10 10 9	9 10 10 10	9 10 10 9	10 10 10 10 10 10 10 10	0 10 0 10 0 10	0 1 0 J 0 k	l J J	l k b J	I J K J	J k G I h	J k G I		d		d.	d ₀ d ₀ d ₀	bc. $\triangle$ , c $a$ : c, cid ₀ $p$ : cid ₀ , c $n$ . ci $\bigcirc$ 0, cid ₀ $a$ : cid ₀ , c $p$ : cloudy $n$ . cp $\bigcirc$ 0, cid, od $a$ : oid ₀ $p$ and $n$ . oid ₀ , c $a$ : c, oid ₀ $p$ : oid ₀ , oi $\bigcirc$ 0 $n$ . ci $\bigcirc$ 0, c $a$ : cloudy $p$ : cm ₀ , cid ₀ $n$ .
6 7 8 9	St Freu: Cieu: Ci Freu: Aculent: Cieu: Ci St: Steu: Acu: Ast St: Steu	Frst: Cu: Steu Freu: Acu: Cicu: Ci Freu: Cu: Steu St Cu: Steu: Acu: Ci	Frst:Stou:Aculent Frou:Acu:Cicu:Ci St: Stou St Cu: Ci																	cp $\bigoplus$ ⁰ , oid ₀ , c $a$ : c, bc $p$ : c, b $n$ . b, bc $\bigoplus$ $a$ : bcy $\bigoplus$ $p$ : bcy $\bigoplus$ , c $n$ . c, b $a$ : bc, c $p$ : cp $\bigoplus$ $\bigoplus$ , bc $n$ . bc, cid, ci $\bigoplus$ $\bigoplus$ $\bigoplus$ on to 13h, then odd ₀ $p$ : o $\bigoplus$ $\bigoplus$ $\bigoplus$ $\bigoplus$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$ $\bigcap$
11 12 13 14 15	St: Steu: Cicu:Ci Freu: Acu: Ci St: Frnb Cu: Steu: Acu Freu:Acu:Cicu:Ci	Cu: Ci Frcu: Ci St Cu: Cist: Ci Cu:Acu:Ast: Ci	Freu: Acu Freu: Acu: Ci St: Steu Cu: Cist: Ci Cu: Steu: Acu: Ci																	b, bc $a:b0 p:b0$ , b $n$ . b $\triangle$ , bc() $a:b0 p:b0$ , c $n$ . c, $o \bigcirc o$ oh to 11h $a:od \bigcirc o$ , c, cid, $p:cid_o$ , c $n$ . c $\bigcirc o$ , cp $\bigcirc o$ , bc $a:c$ , bc $p:bc \triangle o$ . bc $\triangle o$ , c() $a:c$ () $p:cloudy n$ .
18 17 18 19 20	Frst: Frnb: Ast Cu: Stcu: Acu Frst: Cu: Stcu Frnb Cunb: Cu: Stcu	St: Steu Cu: Ci St: Cu: Steu St: Steu: Ast Cu: Ci	St: Steu St: Cu: Steu: Ci Frst: Steu St: Cu: Steu Cu: Steu: Acu: Ci	10 9 9 10 9	10 9 9 9	10 4 9 9 3	10 10 7 9 9 9 6	10	k m m G	k J k 1	h 1 k	h m l k	J 1 1 k 1	I 1 k	•		d ₀	d ₀		$cp \bigoplus^{0} a : cd_{0}, c \not p : cid_{0}, cp \bigoplus^{0} n.$ $cp \bigoplus^{0}, bc \ a : bc, cp \bigoplus^{0} \not p : cp \bigoplus^{0}, c \ n.$ $cp \bigoplus^{0}, c \ a : cloudy \ \not p : c, ci \bigoplus^{0} n.$ $c \bigoplus^{0}, cp \bigoplus^{0} a : bc, cp \bigoplus \not p : cp \bigoplus^{0} n.$ $cp \bigoplus^{0}, bc \ a : bc \ \not p : bc, c \ n.$
	St: Steu: Ast St: Steu St Cu: Steu: Aeu: Ci Cu: Steu: Acu: Ci	St St: Steu: Acu St Freu: Ci Cu: Acu: Ci	St Frst: Acu: Cicu: Ci St: Stcu Frcu: Ci St: Cu: Cist: Ci																	cp $\bullet$ , c $\bullet$ 8h to 10h, od $a$ : odd ₀ , oid ₀ $p$ : oid ₀ d $n$ . oid ₀ , c $a$ : c, bc $p$ : bc, om $n$ . om, oid ₀ , c $a$ : cid ₀ , c $p$ : cp $\bullet$ , c $n$ . c, b() $a$ : b() $p$ : b(), b $n$ . b, bc() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b() $a$ : b()
27 28 29 30	St: Steu: Acu:Cicu St:Steu St Cu: Steu C1	St St Freu: Steu Freu: Steu	St: Stou St St Ci Stcu: Ci	8 9 10 3 4															d	
Mean Cloud Am'nt.	Cicu: C1	Frou: Acu: C1	Freu: Ci	7 7-6	+	+	7-0 7-	+	╁	12	=	1	1							ь, c, bc a : bcy p : b, bc n.

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1 2 3 4 5	Cu: Steu: Cist St: Steu Cu: Ci St: Steu St	Cu: Steu: Acu Cu: Steu: Acu Cu: Ci Cu: Ci Cu: Steu: Acu: Ci St: Steu	Cu: Acu Cu: Stcu: Acu: Ci St: Cu: Acu: Ci St: Stcu: Acu: Ast St: Stcu	10	10 2 9 9		2 5 9 10 9	8 6 10 9		m m m	m H 1 k								d ₀	bc.a., bc, cp b, bc cloud o ●°,	) a y a odf	a: : bo : c,	c, i cp cp i _o a	bc () : c () ●	p: , bc b: c d ₀ , c	c (), n. , oid : p :								
6 7 8 9 10	Frst: Steu St St: Frnb St: Steu St: Steu	Cu: Stcu St: Stcu St: Stcu Cu: Ast: Acu: Ci St: Stcu	Cu: Steu: Acu: Ci Cu: Steu: Acu: Ci Cu: Steu: Ci Cu: Steu: Acu: Ci St: Steu	3 9 10 9	9 9 9 7 8	3 9 0 7 9 6 5 7	6 8 6 7	10 10 10 9	1   1   1   1   1   1   1   1   1   1	1 k 1 1	k 1 1 1	m II 1 J m 1 1 1 I I		•			d _o	d,	d _o	c, bc ofe, c ci ●°, bc.a. cloud	a: a: c <b>€</b> c a	bc, c, l ² • ≀ : t : c,	c p oc p oc gl oc, c	: bo : c : to : p : p	of cid 7h, clos oid	en. oo° ca udy l _o n	n. : c, n.	bc	<b>∌</b> ∶b∈	с, с	n.			
11 12 13 14 15	St: Frnb: Stcu Cu: Frnb: Stcu: Ast St: Stcu St: Stcu St: Frnb: Stcu	St: Steu Cu: Steu St: Cu: Steu Cu: Steu: Ci St: Steu	St: Frnb: Stcu:Ast Cu: Stcu St: Cu: Stcu St: Stcu St: Stcu St	9 8 10 9	9 9 8	5 4 6 9 5 4 9 10	4 7 9 10	5 8 10 10	1   1   m   m   1   1   1   1   1   1		1 m J	1   1   1   1   1   1   1   1   1   1		•			d _e	o d	ď	od₀, c ci ● € cloud cp ● ⁰,	y <i>a</i> , bo c <i>a</i>	)°, c ; c, ; a ;	bc bc bc	c, t , cp , cp d _o d	© p	b : bc  cod,	, c noc, coc cp ● od (	z. cp ● o, c , o:	n. $n$ . $n$ .		22h,	the	18h n ci (	to  o  n.
16 17 18 19 20	St St: Frnb St St: Stcu St	St: Steu St St: Steu St St: Steu	St: Steu St: Steu: Acu: Ast St: Steu: Ast St St	10 10 9 10 10	10 1 10 1 10 1 9 1	0 10 9 9 0 9	9 9 10 10	10 10 10 10	E G J J k k	k J k k	J I J J	J I I I I I I I I I I I I I I I I I I I		d d•	d ₀ d ₀	d _o	<b>d</b> ,	 d₀ ●°	 d₀  d	od ₀ , od of, p oid ₀ , c ● °, od ●	oi ●  cp ←  cd od	•°, •°, • oie •, c	od oido ca doa a:	f, c a: c, c, c	$a: 0$ oid ₀ cp $\bullet$	id, ci( p : o p : o	<i>p</i> : ●°, : ci od₀d o ●°	cid c <i>p</i> i ● 0, , c 1	of, of c n. c n.	n. d ₀ ,	cid _o í	n.		
21 22 23 24 25	Cu Cu: Stcu: Acu Cunb: Cu: Acu Cu: Frnb Cu: Ci	Cu: Ast: Acu: Ci St: Frnb: Nbst St: Stcu: Ast St: Stcu Cu: Stcu:Cist: Ci	Cu: Ci St: Frnb: Nbst Cumb: Frnb: Nbst St: Stcu Frcu: Cist: Ci	6 8 7 9	7	0 10	10	10	k 1	k J	: [ ]	1 3 1 1	K 1.	• • • •		•	••• 1		1	c●¹(bc, ci c, cp bc, c bc, c	●°.	C1 (	• •	и:с	ים ס	●".	. C1 (	: b, h to • p	bc n 21h, : ci €	the	n clo •●, l	oudy oc n.	p an	d n.
26	St	St: Frab	St: Cu: Frnb	1	10 1	- 1		1	- 1	i	1	J	- 1	t	1	1		1		1 ~	-											-	[ hen	A 12
27 28	Cunb Cunb: Frnb	Cumb: Cu: Acu Cumb	Cu: Acu: Ast: Ci Cu: Acu: Ast: Ci	5 9	7	3	8 9 7 5	5 6	1	1		1	1	•	•••					cp⊕ c⊕ ⁶	•	q, unt	bc 4	ı: b h,	cp <b>(</b> then	cr	, c	<b>p</b> : 1 <b>●</b> °,	bc a	2 :	n. cp_▲ Tb√	² <b>⊕</b> ²c	q,cp	<b>●</b> • 0, bc n
29 30	Cumb: Steu St: Steu	Cunb: Stcu Freu: Stcu: Acu	Cu: Steu: Acu Cu: Steu	5 9	4		B 4	7	1 n	PA   1	n.	1 m	1	:::				:::		bc, c								q, t	с þ:	c, t	oc n.		op •	
31	St: Stcu	St: Cu: Stcu	St: Cu: Steu: Acu	6	8	8 9	7	2	1	1 1	. 1	1	1						•••	ba,	c a	: c	, ср	● ² ,	c <b>p</b>	. с,	b.	<u> </u>						
Mean Cloud Am'nt,				8-1	7-9 7	4 7.	67-6	7-6																										
	7ь	13h	18h	7h	9h 1	3h 15	h 18h	215	7h 9	9b j:	3h 15h	18h2	į h	7h	9Þ	134	15h	18h	21h					Ren	arke	on	the	W-	ather	of tl	ne Da	Ψ.		
Day		Cloud Forms	<u></u>			An For	ount ms)			Vis	ability	y			Pre	cipi	tati	on.																

#### 437. VALENTIA OBSERVATORY

		Cloud Forms.				d Am				V	isibil	ity.		Τ	Pre	cip	itati	ion.		Remarks on the Weather of the Day,
Day.	7h	13h	18h	7h	9b ]:	3h 151	181	21h	7h	9h	13h I	5 <b>b</b> 18	21	75	9ћ	13h	15h	18h	21 ^b	•
1 2 3 4 5	Cu: Ast Cu: Frab: Steu St: Steu: Acu: Ci Cunb: Cu: Steu: Acu St: Steu: Acu: Ci Cu: Steu: Acu: Ci Cu: Steu: Acu St: Steu: Acu Frab: Acu: Ast Cu: Ast Cu: Steu: Acu St: Steu: Acu	Cu: Steu: Acu St: Steu: Ast Cu: Ast: Acu	Cu: Stcu: Acu: Acu: Ast St: Cu: Stcu: Acu: C1 St: Stcu Cu: Stcu: Acu Cu: Stcu: Acu Cu: Stcu: Acu Cu: Stcu: Acu Fret: C1	7 9 9	6 9 7 10		8 9 4		m 1 1 1 1 k 1 .	- 1		¹   ª			   	 •°	 		 	ba, cp $\bullet$ , o $\bullet$ 8h to 11h $a$ : ci $\bullet$ $\circ$ $p$ : ci $\bullet$ $\circ$ , bc $n$ . cp $\bullet$ , ci $\bullet$ $\bullet$ , bc $a$ : cp $\bullet$ , bc $p$ : cp $\bullet$ , c $n$ . cp $\bullet$ $\bullet$ , ca: c() $p$ : c(), cn. cp $\bullet$ $\bullet$ , bc $a$ : bc, cp $\bullet$ , c $\bullet$ $\bullet$ : c, bca. $n$ . bca, c, ce $\bullet$ $a$ : ci $\bullet$ $\bullet$ , bc, $p$ : bc $n$ . bca, ca: cp $\bullet$ $\bullet$ , cp: cloudy $n$ . c, bc $a$ : bc), coy $p$ : coy, bc $n$ .
9 10		Cu: Steu: Acu: Ci St: Steu: Nbst	Frst: Ast: Acu Frnb: Nbst	9	9 1	9 9	9 10	10 10	h k	J J	1   1   1   1   1   1   1   1   1   1	l l	l I	d _o	a₀ 	•••		•	 •°	bc $\triangle$ , c $a$ : cp $\bullet$ °, c $p$ : cloudy $n$ . c, bc $a$ : bc $(0)$ ; c $(0)$ ; $p$ : c( $(0)$ ); bc $n$ . bc, cid $\bullet$ $\bullet$ ° $a$ : c $\bullet$ ° $\bullet$ $\bullet$ * 12h to 15h, c $p$ : c, bc, cf $n$ . cf, c $a$ : cloudy $p$ : c, c $\bullet$ ° 21h to 24h $n$ . cid $\bullet$ 0; ci $\bullet$ 0° $\bullet$ 2; ci $\bullet$ 0°, o $\bullet$ 0° 13h to 19h, then ci $\bullet$ 0, c $n$ .
11 12 13 14 15	Freu: Steu St: Steu: Acu	St: Steu: Ast Steu: Ast: Acu: Ci St: Cu Cunb Cunb: Cu: Frnb	St: Steu: Ast St: Steu: Aeu St: Cu: Steu: Aeu Cu: Aeu:Ci Cu: Steu: Aeu	9 8 1 8	10 1 10 8 8	0 30	اها	اه	+	- 1	_  ,		١,	L	1 1		ı			cid ₀ , c $a$ : c(), cp $\bigoplus$ ¹ $\bigoplus$ , c $p$ : c, bc $n$ . bc, cp $\bigoplus$ , ci $\bigoplus$ ⁰ $a$ : c, ci $\bigoplus$ ⁰ $\bigoplus$ , cp $\bigoplus$ ⁰ $p$ : cp $\bigoplus$ ⁰ , bc $n$ . b, bc, cp $\bigoplus$ ⁰ $a$ : bcp $\bigoplus$ , c $p$ : cp $\bigoplus$ ⁰ , c $\bigoplus$ ¹ $\subseteq$ , bc $n$ . bc, cp $\bigoplus$ ⁰ $\bigoplus$ , cp $\bigoplus$ ⁰ $\bigoplus$ ² $a$ : bc, c $p$ : cp $\bigoplus$ ⁰ $\bigoplus$ , c $n$ . cp $\bigoplus$ $\bigoplus$ ² $\bigoplus$ ² $a$ : cp $\bigoplus$ $\bigoplus$ 0, bc $p$ : cp $\bigoplus$ ² $\bigoplus$ 0, c $n$ .
17	St: Stcu:Acu:Ast Frst: Cunb: Stcu St:Cunb:Stcu:Acu Frst: Stcu Frst:Stcu:Cist:Ci	St: Steu: Ast Cunb: Steu St: Steu: Ast Cu Cu:Acu:Cist: Ci	St: Frnb Cunb: Frnb St: Frnb Cu: Stcu: Acu: Ast Cu: Stcu: Acu: C1	5	3	0 10 5 5 0 10 2 9 7 7	9 10 9	10 4 10 8 4	k k J k	k k J	k   1 k   1 1   1 1   1	[ J	J	•	•	•° 	•		•° 	bc, $cp \bullet$ , $o \bullet^{\circ} \bullet^{\circ} \bullet^{\circ} \bullet$ 10h to 15h, then $\square$ bc, $c \bullet^{\circ} a$ and $p : ci \bullet^{\circ} cp \bullet^{\circ} a : bcp \bullet^{\circ} \bullet^{\circ} p : cp \bullet^{\circ}$ , bc $n$ . [q. $\square$ , cp $\bullet$ $n$ . bc, $cp \bullet^{\circ} a : cp \bullet^{\circ}$ , $o \bullet^{\circ} \bullet \bullet$ 15h to 21h, then $ci \bullet^{\circ} \square n$ . $cp \bullet^{\circ}$ , bc $a : cp \bullet^{\circ}$ , bc, $cp : c$ , $ci \bullet^{\circ} n$ . $c \bullet$ , $ci \bullet^{\circ}$ , bc $a : cloudy p : bc, cn.$
21 22 23 24 25	Frnb: Nbst St: Stcu: Acu Stcu: Acu: Ci St Cu:Stcu: Acu:Ci	Frst:Stcu:Nbst St:Cunb:Stcu:Acu St: Stcu: Ast St: Stcu Cu: Cist: Ci	Cu: Steu: Ast:Aeu Cunb: Cu Frnb: Nbst St: Cu: Steu Cu:Aeu:Cist:Ci	10 1 5 10 1	10 1 7 1 10 1	9 9 0 10 0 9	9 4 10 9 6	3 4 10 3 3	J k l h	k l G	1   1 k   1 1   k k   k	l l l I c I	1 1 1 1	•  do	 dº	d₀ ● •	 ●°	 ●°	 •° 	c, $c \bullet^{\bullet} \bullet$ 5h to 9h, then $c a : \operatorname{cid}_{0}$ , $c p : c$ , bc, b $n$ . b $a : \operatorname{ci} \bullet^{\bullet} \bullet a : \operatorname{cp} \bullet^{\bullet} \bullet \bullet^{\bullet}$ , bc $p : \operatorname{bc}$ , b $a : n$ . b $a : c a : \operatorname{cp} \bullet^{\bullet} \circ (i \bullet^{\bullet}) \circ 0 \bullet^{\bullet} \circ 0$ 16h to 21h. then $\operatorname{ci} \bullet \circ (\operatorname{cd}_{0} \circ n \circ 0) \circ 0$ od, until 9h, then $\operatorname{cid}_{0} a : \operatorname{cid}_{0} \circ (\operatorname{cp} \bullet^{\bullet} p : \operatorname{cp} \bullet^{\bullet})$ , bc $n : [n]$ .
26 27 28 29 30	St: Frnb St: Stcu: Acu: C1 St: Frnb St: Cu: Ast Cunb: Cu:Frnb:Acu	St: Frnb St: Cu: Ast Cu: Ast: Acu Frst: Frnb Cunb: Steu	Frab St:Stou:Acu: Ast Cu Cu Frst: Cu: Acu: Ci Cunb: Cu	10 1 9 10 8 1 6	10 1 9 1 9 10 1	0 10 0 10 8 3 0 9 5 5	10 9 3 8 4	10 10 1 10 4	J k J k	I k J 1	J J k k l l l l k l l l l	I k m k	J k 1 J 1	•°	•°	●°  •		•°		bc, c a: c(), bc() $p$ : bc. $\triangle$ , c n.  c, c $\bullet^{\bullet} \bullet$ 3h to 14h, then ci $\bullet^{\bullet}$ a and $p$ : oi $\bullet^{\bullet}$ , o n.  o, c a: cloudy $p$ : c, ci $\bullet^{\bullet}$ n.  o $\bullet^{\bullet}$ , cp $\bullet$ , bc a: bc $p$ : bc. $\bullet$ n.  b. $\triangle$ , c, o $\bullet^{\bullet} \bullet^{\bullet} \bullet^{\bullet} \bullet^{\bullet}$ toh to 14h, then c a and $p$ : cp $\bullet^{\bullet}$ , ci $\bullet$ , bcp  bc, cp $\bullet$ 1, cp $\bullet$ a: bcqp $\bullet$ 0, bc $p$ : bcqp $\bullet^{\bullet} \bullet$ n.  [ $\bullet^{\circ}$ n.
Mean Cloud Am'nt.				8•2 8	4 8	18-4	8-0	3-8												

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OCTOBER, 1935

	O. VALENTIA UE																			0010BBQ, 1977
1 2 3 4 5	Frst: Cunb: Stcu: Acu Frst: Cunb: Stcu Stcu: Acu: Ast: Ci Cu: Stcu: Acu Cu: Stcu	Cunb:Frnb:Acu: Ci Cunb:Frnb:Stcu Cu: Stcu: Ci Cunb: Frnb Cu: Stcu	Cu:Stcu:Acu:Ci Frnb St: Stcu Frnb: Stcu Cu: Stcu: Acu	8 3 8 9 4	5 10 7 9	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9 10 4 9 8	10 4 7 10 8	k k 1 1	1 k 1 k 1 l 1 k 1 l	1 J 1 J 1 J	1					•	•	•	bcp $\bullet^0 \bullet^2 \bullet$ , cp $\bullet$ a: cp $\blacktriangle^2 \bullet^2$ , c $p$ : c, cp $\bullet$ n. cp $\bullet^0$ , c $\bullet$ 2h to 5h, cp $\bullet^0$ a: cp $\blacktriangle$ $\bullet$ q $p$ : cp $\bullet^2 \bullet^0$ , bc n. bcp $\bullet$ , c, bc a: c, bc $p$ : bc, cp $\bullet^0$ n. ci $\bullet$ , cp $\bullet$ a: ci $\bullet$ a: c, cp $\bullet$ p: cp $\bullet$ n. cp $\bullet$ o, bcp $\bullet$ a: bc, cp $\bullet$ p: cp $\bullet$ n.
6 7 8 9	St: Steu Freu: Acu Cunb: Cu: Frnb Frnb: Mbst Cu: Frnb	Cu: Frnb -St: Steu: Ast Cunb: Acu St: Ast .St: Cu: Steu	Frst: Cu: Steu Frnb Frst: Cu: Acu: Ci St: Frnb Cu: Steu: Acu	7 7 7 10 7	8 10 7 10 3	9 10 3 9 0 10 7 7	9 10 4 10 8	5 10 8 10 10	1 m 1 J	1 k m 1 1 1 J k 1 1	1 1 1 1 1 1 1	1 h 1 h	1 1 1 k	 •° •°	•°	•	•° 	 •°	•	bc, cp $\bullet$ ° $a$ : cp $\bullet$ ° $\bullet$ °, c $p$ : c, bc $\triangle$ $n$ . bc $\triangle$ , cp $\bullet$ ° $a$ : c, ci $\bullet$ ° $\bullet$ $p$ : 0 $\bullet$ ° $\bullet$ ° 17 $h$ to 22 $h$ , then cp $\bullet$ ° $n$ . cp $\bullet$ ° $\bullet$ , bc, bcp $\triangle$ $\bullet$ $a$ : cp $\bullet$ , bcp $\bullet$ ° $p$ : bc, cp $\bullet$ $n$ . cp $\bullet$ ° $\bullet$ 2 $h$ to 6 $h$ , then ci $\bullet$ ° $\bullet$ $a$ : 0 $\bullet$ ° $\bullet$ 13 $h$ to 19 $h$ , then bc, cp $\bullet$ ° $\bullet$ , bc $a$ : bc, cp $\bullet$ ° $\bullet$ 2 $h$ correspond $h$ .
11 12 13 14 15	Cu:Stcu:Cicu:Ci Stcu St: Frnb: Stcu St: Stcu St	Cu St: Cu: Stcu St: Frnb St: Stcu St	Cu St: Steu St: Frnb Frst: Steu St	110	1013	.0110	110	9 1	1 k k	k J	m 1 k k	m 1 J k	l J k h	  d	d, •°	 d.	 d ₀	 d ₀	 d _o	bcp $\bullet$ , bc() $a$ : bc(), b $p$ : b, c $n$ . cp $\bullet$ , c $a$ : cloudy $p$ and $n$ . cp $\bullet$ , ci $\bullet$ $\bullet$ $\bullet$ : c $\bullet$ $\bullet$ , c $p$ : ci $\bullet$ , c $n$ . cloudy $a$ and $p$ : c, cid, $n$ . cid, $\bullet$ $\bullet$ , cid, $a$ : od, cid, $p$ : cid, od $\bullet$ , od $n$ .
16 17 18 19 20	St St: Frst:Acu:C1 St: Stcu St: Cu: Stcu Cu: Frnb	Frou St: Stou: Ast St Cu: Frou Cunb:Cu:Frnb:Acu	St: Freu: Acu St: Steu: Ast St: Frnb Cu: Steu Cu: Frnb: C1	7	9 9 10 1	1 1 9 10 0 9 3 6 4 5	10 10 6 8	5 10 5 5 9	G 1 k k											od, bc, b $a$ : b, bc $p$ : bc, bc. $n$ . bc. $a$ : cloudy $p$ : c, cid $n$ . cloudy $a$ : od, c, ci $p$ $p$ : ci $p$ $p$ $p$ $p$ $p$ $p$ $p$ $p$ $p$ $p$
21 22 23 24 25	Frnb: Ast St St: Frnb Cunb: Cu: Frnb Cu: Acu	St: Steu: Ast St Cu: Acu Cu: Acu: C1 Cu: Steu: Ast: Acu	St St Cunb: Cu St: Stcu: Ast St: Stcu: Ast	10 10 10 6 7	10 1	0 10 3 10	10	10	1 G 1	k J h F J 1 l m	I P k m	h 1 1	1 h 1 J	• : • : : :	••	•		 d 	d,	c, $c \bullet^0$ 5h to 9h, then $ci \bullet^0 a$ : $cid$ , $ci \bullet^0 p$ : odf, $oid$ , bc $n$ . $oid_0$ , $o \bullet \bullet^0$ 8h to 18h $a$ and $p$ : odf, $od_0$ $n$ . $oid_0$ , $o \bullet \bullet^0$ 5h to 8h, then $p \bullet^0$ , bc $a$ : bc, $cp \bullet q p$ : bc, $cp \blacktriangle \bullet p \blacktriangle \bullet b$ $a$ : $cp \bullet q$ , bc, $ci \bullet^0 p$ : $c \bullet^0$ , $ci \bullet \bullet$ $n$ . [n. $cp \bullet^0$ , bc $a$ : cloudy $p$ : $ci \bullet^0$ , $cid_0$ $n$ .
26 27 28 29 30	St St: Steu: Nost St: Steu St St: Steu	St: Steu St: Steu St: Steu Cu: Ci St: Steu	St St: Steu St: Steu Frnb Frnb: Nbst	10 10 10 10	10 10 10 10 9	9 10 0 10 0 10 4 5 9 10	10 10 10 9	10 10 10 4 10	h J h G	T .	.   -				1	l	l		i	cid ₀ , c, om ₀ $a$ : of, c $p$ : om, oid ₀ $n$ . cid ₀ , c $a$ : c, cid ₀ $p$ : cloudy $n$ . c, cid ₀ $a$ : cid ₀ , c, cid ₀ $p$ : cid ₀ , od ₀ $n$ . cid, o $\bigoplus$ , cp $\bigoplus$ $a$ : bcp $\bigoplus$ , cp $\bigoplus$ $q$ $\bowtie$ $p$ : bc, cp $\bigoplus$ $\bigoplus$ $n$ . cp $\bigoplus$ $\bigoplus$ $a$ : cp $\bigoplus$ , o $\bigoplus$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $\bowtie$ $q$ $q$ $\bowtie$ $q$ $q$ $\bowtie$ $q$ $q$ $\bowtie$ $q$ $q$ $\bowtie$ $q$ $q$ $\bowtie$ $q$ $q$ $\bowtie$ $q$
31	Cunb: Cu	Cu: Acu: Ast: C1	Cunb: Frnb	4	4	6 4	9	6	k :	1 1										be, $\operatorname{cp} \bullet^{\mathfrak{o}}$ , be $a : \operatorname{bep} \bullet \operatorname{q} p : \operatorname{cp} \bullet^{\mathfrak{o}}$ , be $n$ .
Mean Cloud Am'nt.				8-0	8-07	4 8-4	8-4	8-1										Ŀ		
	· 7h ′	13h	18h	7h	9h	3h 15i	184	21 b	7h	9h 13	3h   51	h   18h	21h	7h	дb	132	15h	181	21h	
Day		Cloud Forms				l Am For				Vis	ubilit	y			Pı	recij	pita	tion		Remarks on the Weather of the Day.

4)9	. VALENTIA OBS	BERVATORY																			NOVEMBER, 1935
Day		Cloud Forms					orms)			V	isibi	lity		$\perp$		Pre	cipi	tati	on.		Remarks on the Weather of the Day.
	7h	13ь	184	7⊾	96	13h	5b 18	215	7h	94	13ь	15h	8h2	214	7h	9h	3P	15h	18h	21 h	
1 2 3 4 5	Cunb: Cu: Steu Cunb: Cu: Steu Frnb: Hbst St: Steu: Acu Cunb: Cu: Steu	Cunb: Steu:Acu:Ci Cunb: Steu:Acu:Ci St: Steu St: Cu: Steu Cu: Steu:Acu	Cu: Frnb: Ast Cu:Steu: Acu: Ci St: Frnb St: Frnb Cunb: Cu: Steu	6 6 10 6 6	10	8 9 9	9	0 10 7 6 9 8 9 9 5 5	1	1 1 k	m i	] J k	1 m J J	k l k k			- 1	•	●°		bci, cp $\triangle \bullet$ , c $a$ : cp $\triangle^2 \bullet^3$ , cp $\bullet$ $p$ : cp $\bullet^2 \bullet$ , c $n$ . $\bigcirc$ cp $\bullet^3 \bullet^3$ , cp $\triangle \bullet$ , cp $\bullet^3 \bullet^2$ sp. bc, c $n$ . c, c $\bullet^4 \bullet^4$ sp. to 9h, then cp $\bullet$ $\bullet$ cr $\bullet^4$ sp. ci $\bullet$ , p $\bullet^4$ ci $\bullet$ , c, cr $\bullet^4$ sp. ci $\bullet$ , c, cr $\bullet^4$ sp. ci $\bullet$ sp. cr $\bullet$ sp. ci $\bullet$ sp. ci $\bullet$ sp. ci $\bullet$ sp. ci $\bullet$ sp. ci $\bullet$ sp. ci $\bullet$ sp. ci $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp $\bullet$ sp. cp. cp. cp. cp. cp. cp. cp. cp. cp. c
6 7 8 9 10	Frst: Steu: Acu St: Cunb: Frnb St: Steu: Acu St:Cunb:Frnb: Mbst St: Cunb: Frnb	St: Frnb: Nbst Cunb: Stcu: Acu: Ast Cu: Acu St: Stcu St: Cunb: Stcu: Ci	St: Steu: Ast St: Steu St: Frnb: Nbst Cu: Steu: Acu St: Cu: Steu: Acu	2 9 5 9 10	6 1 10	4 9	9 1	9 7 0 9 3 9	J	1 1 J	1	k m 1	I	k .		•		]			bcp $\bullet$ $\bullet$ $\bullet$ , cp $\bullet$ $\bullet$ $\circ$ cp $\bullet$ $\bullet$ , cp $\bullet$ $\bullet$ $\bullet$ , bc $n$ . bc, c $\bullet$ $\bullet$ $\bullet$ , bcp $\bullet$ $\bullet$ $\bullet$ $\circ$ cp $\bullet$ $\circ$ ci $\bullet$ $\bullet$ $\circ$ c, b, bc $\bullet$ $\circ$ ci $\bullet$ $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ for to 20h, then c to bc $p$ and $n$ . cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ cp $\bullet$ $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp $\bullet$ cp
11 12 13 14 15	St: Steu Cumb:Steu:Acu:Ast St:Steu: Acu: Ast St: Cu: Frmb:Acu St:Cu:Frmb	St: Frnb:Nbst Cunb: Cu: Acu Cunb:Stcu: Acu:Ci Cu: Stcu Cunb:Frnb:Stcu	St: Cu: Steu Cunb:Cu:Steu St: Cu: Steu Cunb: Frnb St: Steu	8	10	5 9 4	9 5	4 4 9 9 9 9	k l k l k	k k 1	1	1	1	k k	• •	•				 •••	bc. $\Rightarrow$ , ci $\Rightarrow$ , c $\Rightarrow$ 0 8h to 16h, then cp $\Rightarrow$ , bc, cp $\Rightarrow$ n. bc, cp $\Rightarrow$ 0, bc; cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0, cp $\Rightarrow$ 0,
16 17 18 19 20	St: Cunb: Stcu St: Cunb: Frnb St: Cu: Stcu: Acu St: Frnb:Nbst Cu: Stcu	Cu:Steu: Ci Cu: Frab: Steu Cu: Steu: Acu Cu: Steu: Cu: Cu:Acu: Cist:Ci	Cu: Steu Cu: Frnb: Steu Steu: Acu St: Steu Acu: Ci	4 9 7 10 1	9 7 10 3	9 2 5	9 :	2 1 9 4 1 9 9 3 1 1	k k J	k 1 h	k 1 1	k 1 1	k	1 k	•	 • •		•9	•°	••	cp $\bullet$ $\bullet$ , bc, ci $\bullet$ , bc $a$ : bc, c(), bcp $\bullet$ $\bullet$ $b$ : bc() $\bullet$ , bc $\dots$ cp $\bullet$ $\bullet$ $\bullet$ , c $a$ : cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ c, cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ c, cp $\bullet$ $\bullet$ $\bullet$ bc, c(), b() $\phi$ : bc, cp $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ $\bullet$
21. 22 23 24 25	St: Steu Cu: Cist: Ci St: Steu  St: Steu	St: Steu St: Steu Freu Steu St: Steu	Freu: Acu St: Steu Steu Steu St: Steu	10 3 9 0 7	9 8 9 1 7	9	9 1 2	1 0 7 2 1 10 9 1 0 10	l k k	m k k	k k k	J k k	J k	k J			:::			•••	ci $lacktriangle$ 0, c, bc a: bc, c, b p: b n. b, bc, cid ₀ a: bc, c p: c, bc n. bc $\triangle$ , c, bc a: bc, b p: b, bc, o, c n. bc, b $\bigsqcup$ , c a: c, bc, c p: c, b, bc $\triangle$ n. bc $\triangle$ , b $\bigsqcup$ , cid ₀ a: ci $\bigcirc$ 0, c p: ci $\bigcirc$ 0 n.
26 27 28 29 30	St: Steu St:Steu:Aeu: Ast St: Frnb St: Steu St:Cunb:Frnb:Ast	St: Steu St: Steu: Ast St: Steu: Acu: Ast St: Frnb: Steu St: Frnb	St: Steu . St St: Steu St: Frnb: Nbst Frst: Steu: Acu: Ast	10 7	9	9 1	10 1 7 1	9 4 0 10 9 9 0 10	k	l k J	K	1	h 1	h l k	•	•	• 9	•	d		ci $\bullet$ $\bullet$ 0, bc, cp $\bullet$ 0 $a$ : cp $\bullet$ 0, cp $\bullet$ 1, bc, c $n$ . cp $\bullet$ 0, c, ci $\bullet$ 0 $a$ : ci $\bullet$ 0, cp $\bullet$ 0 13h to 16h, then od $\bullet$ : od $\bullet$ 0, op $\bullet$ 0, bc $a$ : cloudy $\bullet$ 1: c, bc, cp $\bullet$ 0 $\bullet$ 0. [oi $\bullet$ 0 cp $\bullet$ 0, bc $\bullet$ 1: cp $\bullet$ 0, bc $\bullet$ 2: cp $\bullet$ 0 $\bullet$ 12h to 15h, then ci $\bullet$ 0 $\bullet$ 2: cloud
Mean Cloud Am'nt.			,	7-2	7.7	7-38	HO 72	6-4				1		1		1					
440	. VALENTIA OBS	ERVATORY Frst:Cunb:Stcu:C1	Cunb:Frnb: Acu	9	8	6	5 7	7 7	J	k	k	1	k :	k	]	]	••	]			DECEMBER, 1935 c, ci $\bullet$ q, o $\bullet$ , cp $\blacktriangle$ $\circ$ $\bullet$ $\bullet$ a : bcp $\bullet$ q, c $p$ : cp $\blacktriangle$ $\bullet$ q
2	St: Cu: Frnb	Cu	Cunb: Prcu	7	4	- (	- (	3 5	]	1 1	1	ı	1	- 1	▲•	į		- 1			$\operatorname{cp} \blacktriangle \bullet \blacktriangle^{\circ} \bullet^{\circ} q$ , bcp $\bullet^{\circ} a : \operatorname{bcp} \blacktriangle \bullet q$ , bc $p : \operatorname{bcp} \blacktriangle \bullet$ ,
3 4	St: Frnb Cunb: Stcu	Frnb: Steu Frnb	Cunb: Steu: Ast Frnb: Steu	10 6	10		1	9	J	j	- i	k	1	1	••	••			•	 <b>A</b>	$ \begin{array}{c} [cp \bullet]^{\circ}, \\ co \bullet \circ, cp \bullet a : cp \blacktriangle \bullet, cp \bullet \circ, cp : c, p \blacktriangle \bullet \lnot q, cn. \\ bcp \bullet \circ, cp \blacktriangle \bullet q, cp \bullet \bullet a : cp \blacktriangle \bullet \blacktriangle \bullet \bullet q, p : cp \bullet \\ [cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, bc : cp \blacktriangle \bullet q, ci \bullet, cp \bullet q, ci \bullet, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q, cp \bullet q$
5	St: Cunb: Frnb	St: Steu: Ast	St: Stcu: Ast	10	1	- 1	i	10	•	1 1	- 1	ļ	k i		-1	- 1	•1			•••	bc, $\operatorname{cp} \blacktriangle \bullet \operatorname{q} - \operatorname{w}$ , $\operatorname{cp} \bullet \circ$ , bc $a : \operatorname{cp} \bullet \circ$ , c, $\operatorname{ci} \bullet p : \operatorname{c}$ , $\operatorname{o} \bullet n$ . $\operatorname{o} \bullet \operatorname{q} - \operatorname{w}$ , $\operatorname{cp} \bullet \bullet \circ$ , $\operatorname{cp} \blacktriangle \bullet$ , $\operatorname{cp} \bullet \circ a : \operatorname{bc}$ , c, $\operatorname{bc} p : \operatorname{cloudy} n$ .
6 7 8 9 10	St: Steu St:Steu:Aeu: Ast St: Steu St: Steu: Aeu	Cu St Cu: Stcu: Acu Acu: Cicu: Ci Ci	Cu St: Steu Cu: Steu: Aeu: C1 Aeu Aeu: C1	7 9 9 9	9 10 9 9	10	7 4 7 6 1 8 6 1 8 1 1 8 1 1 1 1 1 1 1 1 1 1 1	3 10 9 9 8 3 1 1 7 1	k J k 1	k J k 1	l J k m	k k m	l k m	n		[	••• ]	 		• • •	c, bc $\triangle$ , cp $\triangle$ , cp $\triangle$ , cp $\triangle$ , cp $\triangle$ , cp $\triangle$ , cbc $\triangle$ , cbc $\triangle$ , cbd, cbc $\triangle$ , cd, cd $\triangle$ , de $\triangle$ , cbc $\triangle$ , cp: bc $\triangle$ , bc $\triangle$ , cp: bc $\triangle$ , bc $\triangle$ , ca: bc(), b $\triangle$ , b: bc $\triangle$ , bc $\triangle$ ; bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc $\triangle$ , bc 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21 22 23 24 25	Acu: Ast: Ci Cu: Stcu Cu: Stcu St: Frnb Cu: Frnb: Stcu	Cu: Ci Steu: Cist:Ci Steu: Ast Cu: Steu Cu: Steu Cu: Steu: Acu	Cu: Steu: Ci Steu: Cist: Ci Prnb: Steu: Ast St: Ast: Acu Cu:Frnb: Acu: Ast	3 2 10 .9	4 7 9 10 8	3 9 10 3 9	5 10 10 1 7 9	2 1 8 7 0 10 7 3 9 8						J	•					O°	bcl., bc $a$ : bc $p$ : bc. $a$ , bl. $n$ . bl. $a$ : c, bc, c $a$ : cloudy $p$ : ca., cl. $a$ : bc, c $a$ : c, ci. $a$ , cq. $a$ : $a$ : $a$ : bc, c $a$ : $a$ : $a$ : $a$ : $a$ : $a$ : $a$ : $a$ :
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31	St: Frnb	Frst: Cu: Ci	St. Steu	9	7	4	9	7 7	J	k	k	k	k	1	••						$ci \bigoplus \bullet^{0}$ , $cp \bigoplus^{0} \bigoplus$ , $bc \ a : bc$ , $cp \coprod^{2} \bigoplus^{2}$ , $cp \bigoplus^{0} p : c$ , $cp \bigoplus^{0}$ , $bc \ n$
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# Air Ministry METEOROLOGICAL OFFICE

## OBSERVATORIES' YEAR BOOK 1935

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

### KEW OBSERVATORY

Published by the authority of the METEOROLOGICAL COMMITTEE



LONDON
HIS MAJESTY'S STATIONERY OFFICE
1937

#### KEW OBSERVATORY

Latitude	• •	• •	• •	• •	• •	• •	510 28'
Longitude	• •	• •	• •	• •	• •	• •	00 19/1
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Dines Press	sure Tube	Anem	ometer	• •	• •	• •	28
	Heigh	ts in 1	Metres	above	Groun	d.	
Thermometer	r Bulbs	• •	•	• • .	• •	• •	<b>3•</b> 0
Sunshine Re	corder						13.3

#### INTRODUCTION.

23

0.53

Dines Pressure Tube Anemometer

Beckley Raingauge Rim

The observatory was built in 1769 as the private observatory of 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  $1\frac{1}{2}$  metres higher than that of the surrounding park. Round the Observatory a golf course has been laid out. The River Thames is distant about 300 metres on the north and west. Kew Gardens, which are extensively wooded, lie to the east-north-east, the nearest point of the Gardens being about 600 metres away. The town of Richmond, to the south-east, is about 1,100 metres distant. On the east side of the Park is the main road from Richmond to Kew; on the south side the railway from Richmond to Twickenham. An open area partly wooded, Syon Park, lies to the north-north-east across the river. Richmond Park is about  $1\frac{1}{2}$  miles  $(2\frac{1}{2}$  km.) to the south-east. A general view of the Observatory building and the exposure lawn, an aerial photograph, a plan of the surrounding country and a site plan are to be found in this volume. The photographs were taken in 1935. For the early history of the Observa-

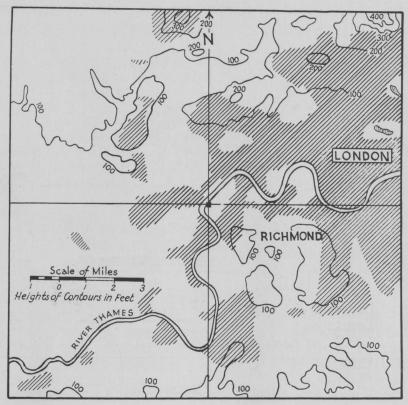


Fig. 19.—Contoured map showing surroundings of kew observatory.



Fig. 20.—Aerial Photograph from S.E., August, 1935.

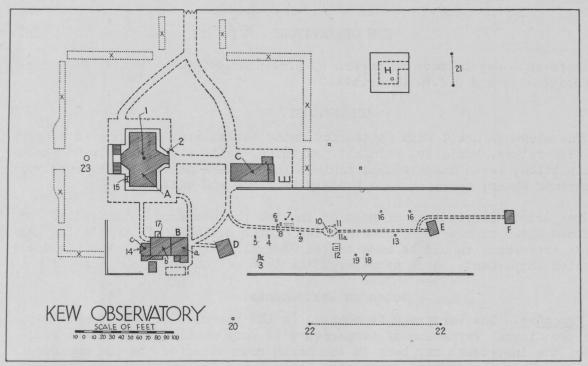


FIG. 21.—SITE PLAN.



FIG. 22.—GENERAL VIEW FROM S.W., SEPTEMBER, 1935.

A.—Main observatory building. B.—Clinical house.
a.—Upper air section. b.—Electrograph room. c.—North annexe.
C.—Workshop. D.—Experimental hut. E.—Old magnetic hut.
F.—New magnetic hut. H.—Underground laboratory. X.—Shrubbery.
I.—Dines pressure tube anemometer. 2.—Campbell stokes sunshine recorder.
3.—High stevenson screen. 4.—Stevenson screen.
5.—Besson comb nephoscope. 6.—Glaisher stand.
8.—Farth thermograph. -EARTH THERMOMETERS. 8.—EARTH THERMOGRAPH. 9.—PILLAR. 10.—BLACK BULB THERMOMETERS. 11a.—Beckley autographic raingauge. 13.—Theodolite pillar. II.—RAINGAUGE. 12.—Grass minimum thermometers. 14.—Owens air filter and pollution gauge.

15.—North wai if.—Electrogr.

18.—Storm gauge.

19.—Rainfall control of the pollution gauge.

20.—Point discharge mast.

21.—Posts for potential gradient observations up to 10 metres. 15.—North wall screen. 17.—Electrograph collector. 19.—RAINFALL CHRONOGRAPH. 21.—Posts for stretched wire apparatus. 23.—JARDI RATE OF RAINFALL RECORDER.

tory reference may be made to papers by S.P. Rigaud*, R.H. Scottt. C. Chree‡ R.S. Whipplett, 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 magneto-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 2lh, are applied to the hourly measurements. The same correction is applied to all the readings on the same photographic sheet, i.e., generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by -3 mb from those observations. The Newman barometer is compared from time to time with the two large mercury barometers, which were set up in 1855 and 1860 respectively, the accuracy of which has been confirmed by indirect comparisons with the new standard of the N.P.I.** A zero correction for the Newman barometer is based on these The correction +  $C \cdot 2$  mb. (+ $\cdot$ 006 mercury inch) which has been comparisons. applied for many years, remained in use. Comparisons are made on the assumption that the value of the acceleration due to gravity is  $g = 981 \cdot 199 \text{ cm/sec}^2$ . This is the value given by pendulum observations. ††

^{**}London Met. Mag., 68, 1933, pp.119-120.

tht comparison between the values of "g" at Cambridge and Kew Observatory was made during the year 1925 by Sir G.P. Lenox-Conyngham with the assistance of Mr. G. Manley. A similar comparison between Potsdam and Cambridge was made by Prof. Meinesz earlier in the year. These observations are in accord with those made at Kew and Potsdam by Putnam in 1900, from which the value stated above was derived. The value for Potsdam, g = 981.274, based on the observations of Kühnen and Fürtwangler, is adopted as the standard of reference. For the latitude of Kew Observatory, 51° 28', the formula in the General Introduction gives g = 981.185.

The departure from the value given for the latitude by the formula quoted in the General Introduction is insignificant. On occasions when a loss of trace occurred, the missing hourly values were derived from the Dines Float Barograph.* There were 20 hours in the year for which this was necessary.

Temperature and Humidity. - The thermograph is mounted in the West Room on the first floor of the Observatory, the thermometer bulbs being exposed in the screen attached to the north wall of the building. This screen has single louvres and the bottom is open. There is an additional flat louvred screen which shields the main screen from direct sunshine when the sun is in the West and not too low. The height of the bottom of the bulbs of the recording thermometers above the bottom of the sides of the screen containing them is 30 cm. in summer, 33 cm. in winter. The height of the bulbs above the top of the artificial mound on which the Observatory stands is approximately 3 metres; the height above the lawn where the rain-gauge is situated is approximately 5 metres. The scale values of the photographic records are not identical for the dry and wet-bulb curves. For the dry-bulb, tube No. 4 II was in use and the scale value was 1 mm. = 0.3336°A; for the wet-bulb, the old Falmouth wet-bulb tube (no number) was in use and the scale value was 1 mm. = 0.290°A.

Up to the year 1916 thermometers graduated on the Fahrenheit scale were in use in the North Wall Screen for controlling the thermograph readings. Then thermometers graduated in the absolute scale were introduced. Of these two absolute thermometers one was broken in June, 1933 and one of the old Fahrenheit thermometers took its place. Readings of the control thermometers are used for the daily weather service and for that purpose readings on the absolute scale have to be converted to Fahrenheit. It was decided that it would be more convenient to make the alternative conversion from Fahrenheit to Absolute and accordingly the use of thermometers with the absolute graduation terminated at the end of 1933. Before the Fahrenheit thermometers which had been in use up to 1916 were put back in the screen they were tested at the National Physical Laboratory. It is satisfactory to note that the two thermometers are correct within 0-1 of. The close agreement of the scale of the Kew standards with the scale of the hydrogen thermometer was demonstrated by Harker in 1905**. The recent tests indicate that these thermometers with large bulbs keep their zeros well.

The water for the wet-bulb thermometers is supplied from a tank fitted outside the screen. A large bottle is inverted over the tank and water flowing from this bottle keeps the level constant in the tank and in the cups from which wicks are taken to the wet-bulbs. The height of the apparatus is adjusted so that the water drips steadily from the wet-bulbs. A bottleful of water lasts at least a week. It is found that the bottle survives severe frost.

Control eye-readings of the standard thermometers are taken daily at 9h, 15h and 2lh. 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.

Phys. Lab., 2, p.215.

^{*}For descriptions of this instrument see "Observatories' Year Book",1923p.94, and London, Quart. J. R. Met. Soc., 55, 1929, p.37.

**London Proc. Roy. Soc. 78 (A), 1907, p.225. and London, Coll. Res. Nat.

In cases of loss of the dry-bulb record owing to the failure of the electric light or any other cause the readings of a mercury in steel thermograph are adopted. The photo-thermograph was completely overhauled between May 20th and 25th; during this period the mercury in steel thermograph was temporarily housed in a second North Wall Screen.

When the wet-bulb trace is missing or defective the missing values are derived from the dry-bulb trace and the records of a hair hygrograph. The same procedure is always adopted when the wet-bulb reading is below 273°A. 464 hours had thus to be dealt with during the year. Humidity was determined from the dry and wet-bulb readings by the procedure described in the General Introduction to this volume.*

It may be noted that during 1935, as in previous years, the temperatures published for Kew Observatory in the Daily Weather Report and elsewhere also refer to the North Wall Screen. For the daily and weekly reports the readings of maximum and minimum thermometers exposed in that screen are utilised.

Rainfall.- As from January, 1921, the standard raingauge for the Observatory has been an 8-inch gauge with the deep "Snowdon" funnel. The site is level and protected from wind, principally by hedges about  $1\frac{1}{2}$  m. high and distant 11 metres to East and 17 metres to West. The readings of this standard gauge are at 7h and 18h. The hourly readings of the Beckley gauge are adjusted to give totals in agreement with the standard gauge. Continuous records of the rate of rainfall are obtained from the Jardi rate of rainfall recorder. The instrument is situated 12 metres from the north wall of the Observatory and the rim is 1.2 metres above the surrounding ground. With heavy rainfall comparable records are obtained from the "minute-by-minute gauge"  $\ddagger$ . The rim of this gauge which is situated on the lawn 10 metres SW of the Beckley gauge is 1.2 metres above the ground.

Sunshine.— The sunshine recorder is mounted on the south parapet of the roof. The same frame has been in use since 1880 and it is believed that the ball has not been changed. The ball is now somewhat yellow. The exposure is satisfactory. The greatest elevations of the sky line in the azimuths in which the sun can rise and set are 1° and 3° respectively.

Solar Radiation. For previous years observations made with the Angstrom pyrheliometer of the intensity of direct solar radiation received by a surface normal to the sun's rays have been published in the Year Book. From 1934 these observations have been supplemented by daily totals of radiation recorded by the Gorczynski pyrheliograph. The Angstrom pyrheliometer observations are made within half an hour of noon. The mean intensity, derived from three readings, is given in Tables 499 to 510 in mw/cm².(1 mw = 0.01435 cal/min.). The secant of the sun's zenith distance at the time of these observations is entered under "sec Z" and the atmospheric conditions under "sky"

The Angström 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

^{*}Prior to 1926 the tables, based on Glaisher's factors, published in "The Computer's Handbook," M.O. 223, Sec. 1, 1916, were used.

^{##} London, Met. Mag. Aug. 1934., pp. 157-158.

tIn 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.

ttLondon, Report of the International Meteorological Committee, St. Petersburg, 1899, p.57.

accordance with the scale adopted by the Smithsonian Institution, a correction of + 3.5 per cent. would be required. ‡

The Moll thermopile of the Gorczynski pyrheliograph is mounted on a heliostat near the sunshine recorder and is connected to a Richard millivoltmeter in the dome. The pen of the millivoltmeter is depressed once each minute electromagnetically. The apparatus is standardised by the Angström pyrheliometer. The total radiation for the day is given in joules/cm² (ligule = .239 calorie).

#### Wind Speed and Direction .-

Particulars of Dines Pressure Tube Anemometer:-

Pattern .. .. Mark II (see "Observer's Handbook" 1934 p.115).

Suction Holes .. .. 80 holes in 4 rows of 20. Diameter 2 mm.

Connecting tubes .. .. Length 8 m. Internal diameter 24 mm.

Height of vane above lawn 23 m.

The present instrument with its head mounted above the dome has been in regular use since January 1st 1931. Details of the anemometers previously in use will be found in the 1933 Year Book.

There is a continuous belt of trees along the river about 300 metres away and other tall trees at shorter distances, but few of the trees have their summits above the level of the new vane.

Earth Temperature.— The two thermometers in use were at 30 cm. and 122 cm. The ground in which the tubes for the thermometers are sunk is under grass. The soil is gravel. The site is well exposed. There are, however, three fruit trees about 9 metres to the east and 6 metres high. The bulb of the lower thermometer is 430 cm. above sea level. In some years the underground water surpasses this level.

Minimum Temperature on the Grass. The grass minimum thermometer is set at 18h and read at 7h on the succeeding day, the reading being assigned to the day of reading.* The thermometer is placed with the bulb about 25 mm. above the turf. The exposure is good, there being no obstruction within 76° from the zenith. The thermometer has a spherical bulb, diameter 17 mm.

^{*}R.E. Watson, London, Met. Off., Geophys. Mem., 3, No. 21, 1923.

*The hour of the readings to be published in the "Observatories' Year Book" was changed from 9h. to 7h. as from January 1st, 1924.

#### Identification Numbers of Instruments in use in 1934.

• •	• •	• •	Newma	an 34
• •	••	• •	No.	366
•• ,	• •	• •	No.	788
• •	• •	• •	1	
• •	• •	• •	M.O.	3/32
• •	• •	• •	M.O.	1271
Rainga	uge	• •	1693	& 1589
er	• •	• •	M.O.	12
lead	• •	• •	M.O.	1057
Recorde	r	• •	M.O.	1057
• •	• •	• •	M.O.	5
• •	• •	• •	M.O.	10
• •	• •	• •		
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almout	h Wet	Bulb)	No m	ımber
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#### Thermometer Corrections, 1934.

		666 L. 19 <b>3</b> 3		788 - 1933		0.5 L. 1913		.10 1913		18011 • 1929
Certifled	oF 2 12 32 52 72 92	-0·1 -0·1 -0·1 -0·1 ·0	oF 2 12 32 52 72 92	+0·1 + ·1 ·0 - ·1 ·0 -0	260 273 280 290 300 310	+0·1 ·0 ·0 ·0 ·0	°A 260 273 280 290 300 316	+0·3 + ·1 + ·2 + ·1 ·0 + ·1	oF 2 22 32 52 72 -	0·0 ·0 ·0 ·0
	122	•0	-	-	-	-	-	-		-
Applied		0•0		0•0		0•0		+0-1		0•0

#### Notes on Meteorological Tables.

The year was warm, especially in the summer months.

The lowest reading of the "grass minimum" thermometer was 261.10A (10.6 °F) on Dec. 22nd.

The lowest temperature in the North Wall Screen, 268.9 A (24.6°F) was recorded between 8h. and 9h. on Dec. 23rd.

Dec. 23rd was an "ice day" the maximum temperature in the North Wall Screen being 271.80A (29.80F).

The maximum temperature in the same screen was 302.50A (85.10F) on July 14th.

There were 14 days on which the maximum temperature exceeded  $300^{\circ}$  A(80.6 °F).

The rainfall for the year was 7% above the normal.

The heaviest fall occurred on July 2nd, 28 mm.

The sunshine for the year, 1511 hours was 46 hours in excess of the normal.

The excess was greatest in July.

The highest wind velocity recorded in a gust was 31 m/s (69 mi/hr) on Sept. 17th.

Diurnal Variation of Pressure and Temperature. Harmonic Analysis. The first four harmonic components computed for each month, for the year and for each of the three seasons Winter, Equinox and Summer are set out in Tables A and B. In these tables the c's are the amplitudes of the component sine waves, the angles  $\alpha$  are the phases of the waves at midnight so that if t is the time in hours since midnight the inequality is given by the expression  $c_1 \sin (15t^0 + \alpha_1) + c_2 \sin (30t^0 + \alpha_2) + \dots$ 

The curves are tabulated according to Greenwich mean time but the phases have been reduced to local mean time. The difference in longitude between Kew and Greenwich being only 19' the correction is hardly appreciable in the figures, which are rounded to the nearest degree.

The "normals" refer to the years 1871-1926 and are based on Dr. Crichton-Mitchell's calculations*. It should be mentioned that in the tables published by Dr. Mitchell the phases were with reference to local apparent time. In the Observatories' Year Book 1934 the distinction was overlooked.

^{*}cf. London, Quart. J.R. Met. Soc., 56, 1930, p.77.

TABLE A. Diurnal Variation of Barometric Pressure. Fourier Coefficients.  $\Sigma c \sin (nt + \alpha)$ . Kew Observatory, Longitude 0° 19' W. Local Mean Time.

Month	(	'n	α	1	(	2	α	2	(	3	α	3	(	4	a	4
and Season	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926
January February March April	mb. •07 •27 •41 •42	mb. •02 •05 •11 •28	0 317 161 339 192	315 73 38 31	mb35 -30 -45 -41	mb31 -36 -40 -40	0 149 148 152 152	0 151 146 149 151	mb17 -15 -08 -05	mb17 -12 -07 -03	339 350 321 188	0 346 340 332 185	mb. -06 -03 -06 -04	mb. •07 •03 •04 •04	90 14 14	202 108 25 353
May June July August	.33 •15 •52 •35	.32 •30 •26 •21	36 20 15 6	27 17 16 20	•39 •33 •33 •38	•35 •32 •31 •34	146 143 141 141	148 143 140 144	•07 •10 •11 •08	•09 •09 •10 •06	164 153 145 140	161 160 153 155	•02 •01 •00 •05	•02 •01 •01 •04	279 56 - 305	319 260 281 309
September October November December	•37 •18 •25 •37	•12 •06 •03 •08	188 253 80 123	6 76 124 137	•38 •45 •23 •28	•40 •38 •34 •31	146 151 142 169	152 160 160 152	•01 •10 •12 •17	•01 •09 •13 •15	261 354 3 355	350 359 358 353	•06 •02 •04 •09	•04 •01 •03 •07	331 291 126 220	332 22 183 205
Arithmetic Mean Year Winter Equinox Summer	•31 •06 •17 •16 •33	•15 •14 •03 •14 •27	51 122 226 18	29 111 32 20	•35 •35 •29 •42 •36	•35 •35 •33 •39	148 152 150 143	150 152 153 144	•10 •03 •15 •03 •09	•09 •03 •14 •04 •08	3 351 327 150	359 350 345 157	•04 •01 •04 •04 •02	•03 •01 •05 •03 •02	294 180 352 301	280 208 359 305

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

TABLE B. Diurnal Variation of Temperature. Fourier Coefficients.  $\Sigma c \sin (nt + \alpha)$  Kew Observatory, Longitude 0° 19' W. Local Mean Time.

Month	(	71		X1	4	³ 2	α	2		² 3	c	¹ 3	(	⁰ 4	0	4
and Season	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871- 1926	1935	1871 <u>-</u> 19 <b>26</b>
	°A	٥A	0	0	°A	°A	۰	٥	°A	Α°	٥	٥	οA	°A	0	٥
January	-92	-99	229	221	•36	-43	28	35	-12	-17	204	208	•02	-01	314	3
February	1.26	1.53	218	221	•55	•57	36	34	-09	•12	228	211	•06	-06	193	169
March	2-70	2-45	217	222	•57	•63	37	40	-03	-07	313	334	•14	-11	179	197
April	2.51	3.21	230	226	-29	-48	49	51	•18	-22	18	24	-08	-07	207	218
May	3-61	3.72	227	227	-29	-15	31	74	•31	-31	14	35	•09	-04	20	20
June	3-28	3.72	231	226	-06	-02	50	84	-29	-26	26	35	-08	-10	77	33
July	4-19	3-68	221	225	•11	-06	53	50	•39	-29	26	31	•08	-07	40	28
August	4.16	3.54	221	226	•25	•34	58	52	•36	•30	35	28	-04	•03	271	218
September	2-80	3-22	229	228	-52	•71	42	49	-27	•14	42	24	•11	•16	210	213
October	2-05	2-32	227	229	-66	-76	43	<b>5</b> 0	-09	•10	281	248	•14	•12	208	200
November	1.26	1-39	221	226	•55	-57	62	44	-23	-18	232	232	•04	-02	289	141
December	•81	-90	231	226	•39	•40	34	41	-14	•16	191	215	•05	•04	46	38
Arithmetic																
Mean	2.46	2.56	-	-	-38	-43	-	-	-21	•19	-	-	•08	•07	-	_
Year	2-45	2.56	225	226	-38	•42	43	45	-10	-08	19	17	-02	-02	194	195
Winter	1-06	1-20	224	223	•45	•49	41	39	•14	-15	215	217	-01	•01	273	121
Equinox	2.51	2.80	226	226	-51	-64	43	47	•11	-09	17	4	•11	•11	200	207
Summer	3-80	3-67	225	226	-17	-14	46	59	-33	-29	25	32	-05	-04	35	27

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

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Level of Underground Water .- In Table 527 there is given for each day the height of the surface of underground water. Up to August 1933 the level recorded was that of the surface of the water in a pipe passing through the From August 17th 1933 to December 20th 1934 the floor of the basement. float rested on the bottom of the well, the water being lower than at any previous time since the installation of the apparatus. From November 1933 to December 1934 observations were made on the site of a pump in the garden, about 25 metres west of the well in the basement. The zero of the scale of height is at the same level as that of the well in the basement. According to measurements made in January 1935 the height of the bench-mark above this zero was 75% cm2. The height of the bench-mark, which is on the east wall of the observatory, above the (Newlyn) datum of the Ordnance Survey was determined in 1932 as 23.245 feet = 763 cm. Accordingly the height of the zero Ordnance datum is 13 cm. In 1935 the well in the basement was used except during the period Aug. 23rd-Oct. 3rd when it was again dry.

<u>Cloud Amount.</u> - The mean cloud amounts for the six hours of observation are given month by month in the diary of cloud and weather. The following means are derived from these data:-

Mean Amount of Cloud from Six Observation Hours.

Month	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Cloud	7-7	7-9	7-1	7-8	6•8	6•9	5•5	6-3	7-1	7-0	7•5	7-6	7.1

Mean Amount of Cloud for the Year at the Six Observation Hours.

Hour	7h	9h	13h	15h	18h	21h
Cloud	7-1	7•5	. 7-8	7•5	6 • 7	5•9

<u>Visibility.-</u> The objects used for the classification of visibility are enumerated below. The Observatory is on very low ground. The view is bounded on the south-east by Richmond Hill and on the west by the trees near the river. For object H a church tower seen through trees and with high ground behind it has to be used. There is no conspicuous object at the appropriate distance to serve as I, and interpolation is necessary. The object J is in London and is therefore more affected by atmospheric pollution than the other objects.

LIST OF OBJECTS

Identifica- tion Letter.	View Point	Bearing	Actual Distance	Standard Distance
X (A not visible)	S.W.Corner of Observatory Bldg. S.E.Corner of Observatory Bldg. S.W.Corner of Observatory Bldg.  Observatory  """  """  """  """  """  """  """	S.W. S.W. S.E. S.E. S.E. S.E.	25 50 110 200 500 970 1,900 4,000 3,500) 9,300 9,300 20,000 20,000 20,000	25 50 100 200 500 1,000 2,000 4,000 7,000 10,000 20,000 30,000 50,000

#### ATMOSPHERIC ELECTRICITY

In Atmospheric Electricity the systematic observations reported in the Year Book are devoted to potential gradient, air-earth current and conductivity. These three elements are observed each afternoon when conditions are favourable. In the case of potential gradient the continuous autographic records are also utilised.

Potential Gradient, Conductivity and Air-Earth Current. Since 1909 and current flowing from air to earth has been estimated by the method developed by C.T.R. Wilson.* Until the end of 1930 the observations incorporated in the Year Book were made with an electrometer set up on a tripod. The current received by a small plate mounted on the electrometer was measured, as well as the strength of the electric field over this plate. From these measurements the effective conductivity of the air was deduced and hence the strength of the current in the natural electric field.

It was always realised that this scheme was not entirely satisfactory. The improvement. construction of an underground laboratory has facilitated an 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. 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 Memoirt 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,  $F = 4 \pi \left( 9 x 10^{11} \right) \text{ Cv/A},$ 

where C is the capacity, in farads, of the system (when shielded,) v the voltage acquired by the test plate after being exposed to the field, earthed and then shielded, and A is the area of the plate. A minor alteration was made to the apparatus on 11th October 1933 when a shutter was fitted to the electrometer system so that the latter can be completely screened from the compensator whilst readings are being made. This involved a slight change in the capacity from 6.00 to  $5.91 \times 10^{-11}$  farads. The diameter of the test plate is 20.8 cm. The mean strength of the electric field is derived from five observations made at intervals of about 6 minutes.

The air-earth current is given in amperes per square centimetre by the formula,

$$i = C\delta v/At$$

where  $\delta v$  is the voltage acquired by the plate in t seconds. For obtaining the mean value of the current four observations, each lasting five minutes, are averaged. The observations of the current are sandwiched between the observations of the field strength and from the two mean values i and F the conductivity  $\lambda +$  is deduced. No observations are made during rain nor

when the potential gradient is negative.

The use of the testplate at ground level introduced a discontinuity in the series of observations. Revised mean values for the period up to 1931 have been published in Mr. Scrase's memoir. In 1935 the mean value of the current for the year, allowing equal weight to each month is  $112 \times 10^{18}$  amp. cm.² This is somewhat higher than the corresponding values for other years, the mean value for the period 1912 to 1934 being  $100 \times 10^{18}$  amp. cm.² The mean value of the conductivity for the year is  $38 \times 10^{18}$  ohm.¹ cm.¹ whilst the mean of corresponding values for the period 1912 to 1934 is  $37 \times 10^{19}$  ohm.¹ cm.²

<u>Potential Gradient</u>. - Two changes in the system by which potential gradient is estimated were made in 1932.

The Kelvin electrograph, which has been housed since 1915 in a low building known as the Clinical House, provides a record of the electrical potential at a point not far from the wall of the building. By the application of a factor the potential gradient at a specified site is deduced.

Up to Feb. 10th, 1932 the point at which the potential was measured was where the jet from a water dropper broke into spray. On that date a radio-active collector was substituted for the water dropper. The collector is 1.21 m. from the window and 1.87 m. above ground level. A collector freshly coated with polonium is now installed every six months. The adoption of the radio-active collector in place of the water dropper eliminates the risk of failure of the apparatus owing to frost.

The second change of practice was in the system adopted for standardization. Previously the absolute observations were made at a site in the Observatory garden, the potential at points one metre and two metres above the ground being determined with the aid of a lighted fuse carried by a long insulated rod and connected to an electrostatic voltmeter.

As from the beginning of 1932 the electrograph has been standardized by means of the observations of the field strength over the test plate of the Wilson apparatus at the underground laboratory. Experiments have shewn that the potential gradient found in this way is, to a very close approximation, equal to that found by measuring the potential at a height of one metre in the open part of the grounds.

Owing to this change of practice there is a discontinuity in the published record of potential gradient. Amended values of the monthly and annual means of potential gradient for earlier years have been published in Mr. Scrase's memoir. The amended figures represent more closely the potential gradient in the open. The correction to be applied was + 12 per cent.

The control observations are now taken at 14h 30m. From the observations the factor is derived by which the potential gradient recorded by the electrograph must be multiplied to obtain the potential gradient in the open.

The mean factor for the year was 2.73. The equivalent height of the collector of the electrograph may be estimated by dividing one metre by this factor, i.e., the collector was on the average at the same potential as a point 36.6 cm. above ground in the paddock.

The data appearing in Table 541 include the electrical character figure assigned to each day from the consideration of the electrograms. Of the character figures, 0 denotes the absence of negative potential, 1 implies the existence of negative potential at one or more times during the day but with a total duration of less than 3 hours, while 2 implies the existence of negative potential with a total duration of 3 hours or more. As a negative potential gradient hardly ever occurs except when rain is in the neighbourhood, character 0 occurs on dry days and character 2 on days with continuous rainfall. The present criteria for character figures were adopted as from the beginning of 1914. Correcting for missing days, the average frequency of character figure 0, 1, and 2 during the years 1914-1934 inclusive were 185: 138: 41. The corresponding figures for 1935 are 141: 161: 63.

In accordance with a resolution of the International Union for Goedesy and Geophysics (Section for Terrestrial Magnetism and Atmospheric Electricity: Prague Meeting 1927) tabulations of the duration of negative potential gradient have been included in the Year Book since 1928. The total duration of negative gradient is given for each day for which the electrograph record is satisfactory.

Table 542 contains daily data derived from measurements of the electro-They represent means for the 60-minute intervals ending at 3h, 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 more may occur. These are, of course, beyond the range of the Even when the curve does not go beyond the limits of the chart per metre or more may occur. instrument. 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 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 - attach-The symbol zt indicates that there were oscillations on both ed to the z. sides of the zero lines, and that the sign of the mean value was uncertain.

The extreme hourly values in Table 542 are 1255v/m at 9h on Dec.17th and -1310 at 3h on Apr. 7th. The former value is representative of foggy conditions. The extreme negative gradient was associated with moderate rain.

At the foot of each section of Table 542 there are two sets of mean values. These are obtained according to different rules. The (a) mean is the arithmetic mean of all the positive potential gradients in the column. The (b) mean is the algebraic mean of all the entries which remain in the column after those have been eliminated which refer to days in which at least one of the four hourly values is indeterminate. The last line gives the mean value for each month as derived from the (a) and (b) means for the four hours.

The diurnal inequalities and the mean monthly and annual values in Table 543 are based on the curves for certain "quiet days". Normally 10 quiet days are selected in each month, these being calendar days characterised by no negative potential gradient, no large irregular movements, no indication of inferior insulation and no large non-cyclic change. When there

are not 10 calendar days with these characteristics in a month the number can sometimes be made up by using other spells of 24 hours. In 1935 as in 1934 there were numerous occasions when negative potential gradient occurred in fine weather. This phenomenon, which has not yet been explained, happened with wind from North-East and mostly at night. The result was that the number of days with no negative potential gradient was reduced. The treatment of the months in which there were not 10 quiet days is shewn in the following list.

	Calendar Days	Other Spells	Total
Feb.	9	1	10
Apr.	6	1	7
Oct.	8	2	10
Nov.	6	2	8
Dec.	8	1	9

Except in the months where other spells were used the non-cyclic change is given explicitly in Table 543, so that anyone who may desire to reproduce the figures as they were before the non-cyclic change was applied can easily do so.

All the inequalities shew a well marked double oscillation with minima in the early morning and early afternoon, maxima in the late morning as well as in the evening. The diurnal inequalities for the whole year shew the higher maximum at 9h., the lower minimum at 4h. This is not the case in every year. The following list gives the annual mean potential gradient for selected quiet days together with the hours of the extremes and the range of the inequality for each year from 1910. The correction of +12 per cent has been applied to the means and ranges of all years from 1910 to 1931.

KEW OBSERVATORY POTENTIAL GRADIENT (REFERRED TO PADDOCK) 1910-1935

Year	Mean	Range	Max.	Min.		Mean	Range	Max.	Min.		Mean	Range	Max.	Min.
Iear	v/m	v/m	hr.	hr.	Year	v/m	v/m	hr.	hr.	Year	v/m	v/m	hr.	hr.
1910	347	155	20	4	1919	371	319	8	4	1928	334	139	9	3
1911	337	172	9	4	1920	353	137	9	3	1929	379	153	9	4
1912	336	167	9	4	1921	315	148	20	3,4	1930	373	183	9	3
1913	375	179	19	3,4	1922	356	161	20	4	1931	379	171	20	4
1914	386	189	20	3	1923	356	179	9	4	1932	391	173	21	4
1915	397	194	19	5	1924	<b>36</b> 8	149	20	4	1933	363	183	9	3
1916	411	169	20	4	1925	365	144	19	3	1934	374	189	9	5
1917	<b>39</b> 7	172	20	4	1926	313	132	20	4	1935	361	192	9	4
1918	388	156	20	2	1927	353	144	19	3					

#### ATMOSPHERIC POLLUTION.

The Owens atmospheric pollution recorder or air filter No.1*is situated in the Clinical House, and the level of the intake is about  $l_2^{\frac{1}{2}}m$ . above that of the adjacent ground. The weight of the pollution is not obtained directly but is deduced from shade numbers 0,1,2, etc., assigned to the deposit left on the filter paper through which the air is drawn. The equivalents of the shade numbers are allotted in accordance with the results of an investigation carried out for the Atmospheric Pollution Committee by Mr.J.G.Clark.t 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  $0 \cdot \log/m^3$ . When fog prevails the auxiliary tank is put out of action and the unit shade reverts to the value  $0.32 \text{ mg/m}^3$ .

Special attention is paid to the maintenance of consistency in the standard of shades. Each new scale of shades is compared directly with the standard preserved by Dr. Owens. New scales of shades were taken into use on the following dates:-

June 7, 1925; July 1, 1926; (retrospectively) January 1, 1928; August 1, 1930; January 1, 1931; June 1, 1931; and March 1, 1933.

days hours During 1935 the highest estimate of pollution was Jan. 3. 13  $6 \cdot 1 \text{ mg/m}^3$ , this value occurring on December 23rd from Feb. 1 2 18h to 19h. There were 20 days on which the pollution 7 Mar. 3 reached 1.0 mg/m3; the number of hours credited with 3 3 Nov. 1.0 mg/m³. or more being 74. The months in which Dec. 10 49 these days and hours occurred are given in the accompanying table. Year 20 74

Table 544 gives for each month mean hourly values derived from all the days for which complete records were obtained. There were 360 such days in the year. The highest and lowest of these hourly values are underlined.

Table 545 gives diurnal inequalities derived from the date in Table 544 after the application of non-cyclic corrections. The principal reason for computing the diurnal inequalities was to facilitate comparison with the corresponding diurnal variations in barometric pressure and in the potential gradient of atmospheric electricity.

The mean values computed for recent years are given in the following table, together with the means for successive pairs of months. The unit is l mg/m³

^{*}A description of the instrument is given in the "Report of the Advisory Committee for Atmospheric Pollution", 4th Report, 1917-1918, p.20.

†"Report of the Advisory Committee for Atmospheric Pollution", 3rd Report, 1916-1917, p.20.

Kew O	bserva	tory.	Atmo	spheri	c Poll	ution.	Mea	n valu	lues mg/m³.			
	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935		
JanFeb.	•29	•25	-22	•40	-18	-24	•32	•25	-44	•19		
MarApr.	-30	-10	-18	-27	•13	•15	•26	-17	-19	-15		
May-June	•08	•07	•09	•05	-05	•06	•09	-10	•10	•05		
July-Aug.	-07	•05	•05	•06	•07	-07	•05	-08	•08	•05		
SeptOct.	•19	-17	•15	•10	•13	•25	•15	•21	•10	•07		
NovDec.	-26	•21	-25	•21	-29	-33	•29	•43	•30	-27		
Year	•20	-14	•15	•18	-14	•18	•19	-21	-20	-13		

The nature of the diurnal variation is most easily recognised in Table There is always a well defined minimum during the night and another 545. in the early afternoon. The first maximum of the day usually occurrs about 9h and the second one follows about 12 hours later. This double oscillation is apparently due to two causes, the variation in human activity in producing pollution and the variation in the wind which disperses it. In 1935 the principal maximum was in the evening from January to May and from October to December; in the forenoon in the remaining months. The principal minimum occurred in the afternoon from May to September; in the early morning in the remaining months. Curves illustrating the diurnal variation of atmospheric pollution will be found in the Annual Reports of the Advisory Committee Atmospheric Pollution and in a paper by Dr. Whipple on the relation between Atmospheric Pollution and Potential Gradient.

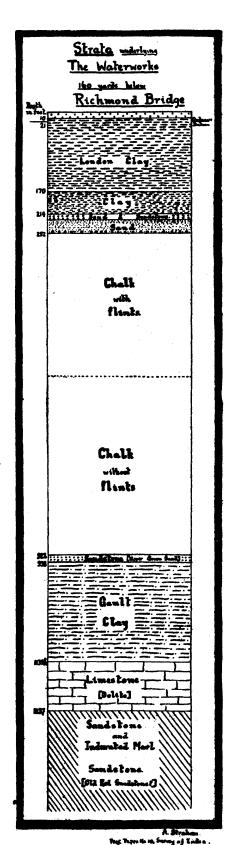
#### SEISMOLOGY.

Notes on Instruments .- The standard seismographs, three Galitzin pendulums with galvanometric registration, were transferred from Eskdalemuir Observatory during the latter part of 1925 and have been in regular operation since the beginning of 1926. Earth movements in the north, east and vertical directions are recorded. The pendulums, which are in the old magnetograph room, are mounted on a massive concrete pillar, separated from the floor. The galvanometers and recording apparatus are accommodated on slate slabs in the old seismograph room, which housed the Milne instrument until it was put out of action on June 17, 1925. To eliminate temperature variation as far as possible, the windows of the pendulum room are provided with triple glass and also shielded by louvred screens from direct sunshine which might fall The annual range of temperature variation is athem morning and evening. bout 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.* tailed report on the behaviour of the spring has been published in a papert by F.J. Scrase. The difficulties usually associated with the operation of the vertical pendulum have been greatly diminished.

^{*} London, Quart. J.R. met. Soc., 55, 1929, pp. 351-361.

*Y. Dammann. "Contribution & l'étude des propriétés elastiques de l'élinvar. Son utilisation dans les séismographes, Publ. Bur. Cent. Seis. Int., Strasbourg," Ser. A, Fasc. No. 5, 1927, pp. 122-129.

† London, Inst. Physics, J. Sci. Instr., 6, 1929, p.385.



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 The Richmond boring terminated at a depth of 440 metres in Old Red Sandstone. Stonebridge Park, 8 km. to the north, a boring was carried downt to a depth of 600 metres, the last 280 metres being in Old Red Sandstone. There is no information as to deeper strata near Rich-It may be noted, however that the sandstone beds dip at about 30° and that a boring at Little Missenden, Bucks, entered rocks at a depth of 370 metres with no evidence of the presence of Old Red Sandstone.

For detailed description of the Galitzin seismograph and for particulars of interpretation of the records, reference may be made to Fürst B Galtizin's "Vorlesungen über Seismometrie" (Leipzig, 1914), or to G.W. Walker's "Modern Seismology" (London, 1913). ††

Timing is controlled by a Synchronome clock (Hope-Jones No.1901) which is rated daily from the Greenwich wireless time-signal relayed by Droitwich. Time breaks are made electro-magnetically every minute and seismometric readings can be determined to the nearest second.

The free periods of the Galvanometers  $(T_1)$ , were determined in November, 1925, and were found to have suffered very little change since the original determinations at Eskdalemuir were made. The lengths of the simple equivalent pendulums (1) are assumed to have remained unaltered.

The Galitzin seismographs were not standardised during 1935, and it has been assumed that the constants had not changed from the values determined in September, 1934. The pendulums were adjusted on January 29th, June 24th and November 1st, 1935 to counter slight tilting of the pillar.

In the following table are summarized the values of the constants. T is the free period of the pendulum,  $\mu$  is a damping coefficient which vanishes when the free movement of the pendulum is just aperiodic, A is the length of the beam of light from the galvanometer mirror to the recording drum (usually about 1100 mm), and k is the

^{*} London, Quart. J. Geol. Soc. ., 40, 1884, p.274; 41, 1885, p.523 tRecords of London Wells, Mem. Geol. Surv. Eng., London, 1913. ttThe graphical method adopted at Kew for determining the constants of the pendulums is explained in a memoir by F.J. Scrase, London, Met. Off. Geophys. Mem., 5, No.49, 1930.

The factor  $\frac{kAT}{4\pi \ell}$ "transmission" factor. determines the magnification for regular earth movements with a period equal to that of the pendulum.

Component	l	T	Date of Standardisation	T	$\mu^2$	KA Te	kat 4ac
N	mm. 118	sec. 24.68	Sept. 5, 1934.	sec. 24·5	+0-01	sec ⁻¹ 46·7	286
E	118	24-80	Sept. 6, 1934	24.8	-0.01	42-6	264
Z	<b>36</b> 0	13-04	Sept.11, 1934	13-1	+0+01	109	357

In windy weather the seismographs, especially the horizontal components, are affected by slow oscillations, which are attributed to the tilting of the ground, the movement being conveyed through the foundations of the Observ-On occasions the reading of an earthquake record is rendered very difficult, if not impossible, by these irregular disturbances.

A Wood-Anderson seismograph was also in operation throughout 1935. complete description of this instrument appears in the Bulletin of the Seismological Society of America, XY,1 Mar. 1925. The moving system is very small, that of the Kew instrument consisting of a small copper mass of mensions 25.4mm x4.8 mm x 1.6 mm and weighing 1.5 gm; this mass is attached to the side of a tungsten wire (.025 mm in diameter) stretched at a slight inclination to the vertical. The controlling force is partly due to the torsion of the wire and partly to gravity. The damping is magnetic. Direct optical recording is employed, a small concave mirror of 12 metres focal length being fitted to the moving mass. The instrument is housed in the old magnetograph room beside the Galitzin pendulums, and is oriented to record the N-S component. The approximate constants during 1935 were: - Magnification, 1500; Free period 2 seconds; Damping ratio 20-1.

The Seismological Diary.- Table 546 contains the particulars of the earthquakes recorded at the Observatory. The notation employed is as follows*:-

In the second column of the diary the entries N, E, Z, refer to the records from the north-south, east-west and vertical seismographs respectively.

- P is the normal first phase (longitudinal waves). PKP is a longitudinal wave which has passed through the earth's central core, and PcP one which has been reflected from the core.
- PP, PPP... are longitudinal waves reflected once, twice ... near the earth's surface.

  S is the normal second phase (transverse waves). The waves which penetrate the central core and pass through it as longitudinal vibrations are designated by the symbol SKS.
- PS and PPS are waves which suffer a change or changes from longitudinal to transverse oscillation or vice versa, on reflection near the surface.
  - SS, SSS...are transverse waves reflected once, twice... near the surface.
- For the supplementary reflected waves from deep focus earthquakes the notation used is that introduced by F.J. Scrase, London. Proc. roy. Soc., A. 132, (1931).
  - L indicates long waves (surface waves).
- e means a gradual or indistinct commencement. i is the sudden commencement of a phase. letters are used as prefixes to the phase symbols, but where the character of the phase is not assign-When the commencement of a phase is moderately able the letters are used as independent symbols. clear the prefixes are not used.

^{*}The notation was amended from the beginning of 1933, the most important. change being the adoption of a special letter, K, for the compressional waves This symbol, taken from the Georgetown bulletins, is now through the core. used in the International Seismological Summary. Previously a pulse which started and finished as a transverse wave but passed through the core as a compressional wave was denoted by ScPcS. In the new notation such a pulse is denoted by SKS.

All times entered against the above phases are the times of arrival of the phases at the station. The phases denoted by M are successive prominent maxima occurring during the principal or surface phase.

The period is the duration of a double oscillation (to and fro movement).

The entries under A are the amplitudes, in microns (1µ=0-001 mm.), of the components of the true displacement of the ground from the position of rest. Displacements to the north, east and upwards are regarded as being positive. When successive positive and magnitude the time of occurrence is given for the positive one. When successive positive and negative displacements have the same

The following formulae, due to Galitzin, are employed for computing the times of the maxima and the amplitudes of sinusoidal waves:-

(1) Lag of the displacement shown by the galvanometer after the maximum displacement of the ground

$$= \frac{\mathrm{Tp}}{2\pi} \left[ \left( \frac{\pi}{2} + \operatorname{Arctan} \frac{2u_1}{u_1^2 - 1} \right) + \operatorname{Arctan} \frac{2u(1 + u^2)^{\frac{1}{4}}}{u^2 - 1} \right]$$

each inverse tangent being taken as between 0 and T

(2) Magnification of records

$$= \frac{kA Tp}{\pi C} \frac{1}{(1 + u^2)(1 + u^2) \left\{1 - \mu^2 f(u)\right\} k}$$

 $=\frac{kA\ Tp}{\pi\ \ell} \quad \frac{1}{(1+u^s)(1+u^{\frac{s}{2}})\ \{1-\mu^2f(u)\}\frac{1}{k}}$  in these formulæe T is the period of the earth wave considered, T, T, and  $\mu$  are as defined on p.367.

$$u = \frac{T_D}{T}$$
,  $u_1 = \frac{T_D}{T_1}$  and  $f(u) = \left[\frac{2u}{1+u}\right]^2$ 

 $\Delta$  is the distance in kilometres of the epicentre measured along the arc of a great circle. For earthquakes of normal focal depth located within 10,000 km. of Kew, the distance is generally derived from the interval between P and S by the table, due to Zeissig, given in Klotz's "Seismological Tables" (Publication of the Dominion Observatory, Ottowa, Vol. III, No.2). For greater distances other phases are considered and  $\Delta$  is obtained from the travel curves given by Gutenberg.* In the case of deep focus shocks both  $\Delta$  and the depth of focus are determined from the Brunner diagramt. 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  $\Delta$ , 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; authorities for these determinations are inserted in brackets. Here the letter J.S.A. signify the Jesuit Seismological Association of America, U.S.C.G.S., the United States Coast and Geodetic Survey, and U.R.S.S. the bulletins issued by the United Soviet States.

Brackets enclosing figures or phase symbols indicate that the interpretation is uncertain.

The total number of shocks recorded during the year was 231. The phases being sufficiently well defined, estimates of the epicentral distances were obtained for 72 shocks, whilst in 10 cases the records of the initial impulses were sufficiently sharp to allow of computations of azimuth and so of estimates of the co-ordinates of the epicentres. There were 13 earthquakes which produced a disturbance at the observatory with an amplitude exceeding 0.1mm. in a horizontal component. These earthquakes originated, in the sea of Marmora (January 4th), in the Mediterranean Sea near the coast of Tripoli (April 19th), in Northern Formosa (April 20th), around Quetta (May 30th), in the Pacific Ocean east of Fornosa (September 4th), near Northern Japan (September 11th and October 18th), in new Guinea (September 20th), in the Pacific Ocean off Japan (October 12th), in the Pacific Ocean off Central America (December 14th), in the Solomon Islands (December 15th), south of the Riu-Kiu Islands (December 17th) and in the Indian Ocean off Western Sumatra (December 28th).

For comparison the statistics for all the years in which the Galitzin seismographs have been in operation at Kew Observatory are given:-

Year	Shocks recorded.	Epicentral distances.	Azimuths estimated	Shocks exceeding 0.1 mm.
1926	306	55	•	10
1927	314	76	6	9
1928	339	97	19	18
1929	320	74	6	12
1930	301	56	6	8.
1931	274	53	. 11	16
1932	246	57	8	8
1933	263	71	8	8
1934	269	59	10	9
1935	232	72	10	13

^{*}Handbuch der Geophysik, Berlin, 1929, p.212.

The Brunner Focal Depth-Time-Distance Chart, G.T. Brunner and J.B. Macelwane, New York, 1935.

Microseisms. The routine tabulations of microseisms recorded at Kew, and previously at Eskdalemuir, have hitherto been taken from the north-south component for each day at Oh, 6h, 12h and 18h. The results obtained from a comparison of the microseisms recorded by the three components during a complete year (1932) have shown* that the vertical is more reliable than either of the horizontal components for such tabulations. The advantages of the vertical component are:-

- (a) The amplitude recorded does not depend upon the direction of travel of the waves.
- (b) The effects of the local geological structure are smaller.
- (c) For oscillations with the period of microseisms the vertical Galitzin seismograph has, with the tuning adopted at Kew, the higher magnification.
- (d) Freedom from wind disturbance.

The vertical component has therefore been adopted from the beginning of 1935. The results obtained for 1932 shewed that, within the accuracy of the measurements, the annual means of amplitude and period were equal for the three components.

The hours of tabulation are the same as for the north-south component in earlier years. The group of waves of greatest amplitude occurring in the 30 minutes centring at the hour in question is selected, and the amplitude tabulated is the mean obtained from the three largest complete waves in that group. The period is obtained from a measurement made on the same group. The total time, to the nearest second, for a number of complete consecutive waves is measured, the number of waves being chosen so that the time is between 23 and 30 seconds. The period is then derived from the following division table:-

Number of		T	ime inter	val in se	conds.	1 .									
Waves.	<b>3</b> 0	. 29	28	27	26	25	24	23							
3	10-0	9-7	9-3	9•0	8-7	8-3	8•0	7-7							
4	7•5	7-3	7-0	6•7	6.5	6-3	6•0	5.7							
5	6•0	5•8	5•6	5-4	5-2	5-0	4.8	4.6							
6	5•0	4.8	4.7	4.5	4.3	4.2	4.0	3-8							
7	4.3	4-1	4-0	3-9	3.7	3-6	3-4	3-3							
8	3.7	3-6	3-5	3-4	3-3	3.1	3-0	2.9							
9	3•3	3-2	3-1	3-0	2.9	2.8	2.7	2.6							
10	3-0	2-9	2-8	2-7	2-6	2.5	2.4	2.3							
11	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1							
12	2-5	2-4	2-3	2-3	2.2	2.1	2.0	1.9							

On the occasions of failure of the Z record, gaps in the tabulations have been filled in by interpolation or from measurements of the microseisms recorded by the horizontal seismographs. By use of the data of 1932 (Geo-physical Memoir No.66) it was found that there was a linear relation between the ratio of horizontal to vertical amplitudes and the period of the oscillations, the ratio varying from 1.2 for microseisms of period  $4\frac{1}{2}$  sec. to 0.85 for those of period 9 sec. Allowance is accordingly made for the difference between the amplitudes recorded by the horizontal and vertical compo-

^{*} A. W. Lee, London, Met. Off., Geophys. Mem., 7, No. 66, 1935.

nents. Values obtained by interpolation or from the horizontal seismograms are bracketed in the tables.

The mean values of amplitude and period, together with the maximum amplitudes, for each month of 1935 are given below:-

Kew Observatory.	Microseisms of	Vertical	Component.	1935.
TOM ODDETACOTA	WIGIODGIDED OF	for or our	composion o.	1000

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Year
Mean Period. (sec.).	6-5	6•3	6-3	5-2	5.1	4.9	5-0	4.8	5-2	6-1	6-5	6-1	5•7
Mean Amplitude (μ)	1.7	2-6	1-3	0-7	0-2	0-2	0.2	0-2	0-6	1-4	1.8	1-9	1.1
Maximum Amplitude ( $\mu$ )	(12-1)	6-3	4.8	3-3	0-7	1.1	0-8	1.8	3-6	10-6	8-8	5-1	(12-1)
Day and hour of Maximum Amplitude	25;18	21;12	1;0	11;12	15;0	(8;0) (24;12)	(16;6 (16;18)	23;12	19;18	19;6	30;12	1;0 J	an 25;18

For comparison, the following table gives the monthly means of amplitude and period of the N-S component microseisms at Kew from 1926 to 1934.

Kew Observatory. Microseisms of North-South Component. 1926-34.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Year
Mean period (sec).	6•5	6-1	5-9	5•4	4•9	4.7	4-4	4-6	<b>5•</b> 0	5•4	6-0	6•4	5•5
Mean amplitude $(\mu)$ .	2-3	1.6	1-4	0-9	0•5	0-4	0•3	0-5	0•6	1.1	1-6	2-0	1.1

The means of amplitude and period for the several hours are given in the following table. The values given are for the vertical component during 1935, and the average values for the N-S component from 1926 to 1934.

	Hour	(G.M.T.)	Oh.	6h.	12h.	18h.
z.	(1935)	Amplitude $(\mu)$ . Period (sec).	1-09 5-65	1•05 5•66	1.07 5.64	1.07 5.67
N-S	(1926-34)	Amplitude $(\mu)$ . Period (sec).	1·10 5·46	1.09 5.45	1.06 5.42	1.08 5.45

These figures indicate that there is no regular diurnal variation in the amplitude or period of the microseisms recorded by the Z and N-S components at Kew Observatory.†

[†] F.J.W. Whipple and A.W. Lee, "Studies in Microseisms," "London, Mon. Not. R. Astr. Soc., Geophys. Supp." 2, No. 7, 1931.

 Headings in millibars at exact hours, Greenwich Mean
441. KEW OBSERVATORY: H_b (height of barometer cistern above M.S.L.) = 10.4 metres

JANUARY, 1935

Pay		our M. T.	1	2	3	4	5	6	7	. 8	9	10	n	Hoon	13	14	15	16	17	18	19	20	21	22	23	24	1
2 023-4   024-2   024-7   025-5   025-5   025-5   025-7   025-5   027-7   025-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-5   027-	De	ey .	ab	m)b																						mb	
3 022-4 022-3 032-3 032-6 032-5 032-6 032-5 032-5 032-7 032-7 032-7 032-7 031-8 031-0 030-4 030-1 032-3 022-0 022-9 022-0 022-0 022-0 022-0 022-0 022-0 032-0 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-5 032-		1	019-6	020-0	020-3	020-4	020.9	020-8	020.8	020-7	051.0	080.8	020.5	019.7	078.0	OT8 - R	018.8	078.8	078.8	019.1	013.8	020-4	051.0	021.4	022.3	022.5	0
4		2	023-4	024 • 2	024 - 7	025-2	025-4	025 • 7	025.8	026 - 3	027.2	027.8	027.9	027.9	027.5	1027.8	028.2	028.9	058.6	030 - 1	030.7	037.3	031.7	021.8	032.1	032.0	10
6 012-5 012-0 020-8 020-2 013-9 013-7 016-5 019-5 019-2 019-2 019-2 019-3 018-7 017-6 018-6 018-7 018-1 018-7 (015-1 014-7 014-2 013-8 013-7 018-9 018-7 018-9 018-7 018-9 018-7 018-9 018-7 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018-9 018		3	032 • 4	032.3	032.3	032-6	032-5	032 • 4	032.5	032.5	032.7	032.7	032.7	037.8	03T.0	030 - 4	030.1	029.3	029.0	028 - 8	088.6	028.1	027.8	7.920	0201	020.2	0
8 012-5 012-4 011-8 011-7 011-3 011-6 011-8 011-8 011-8 011-8 012-2 012-5 012-8 012-5 012-8 012-5 012-7 012-9 013-0 013-2 013-3 013-4 013-4 013-6 014-7 013-9 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-6 013-		4	025 - 5	024 • 7	024 - 6	024.3	024-1	023.8	023.6	023.2	053.3	023.3	083.1	022 • 4	081.4	OST-P	081.4	051.8	055.0	022.0	055.0	022.1	022.0	05T-8	021.0	077.9	1,
7		5	021.3	021.0	020-8	020-2	019.8	019.7	019.5	019.5	019.5	019.2	018.3	018.4	014.8	017.4	018-8	016.4	078.5	012.4	012.1	014.7	014.5	013.0	013.2	013.1	١٥
8 014-2 014-6 014-6 014-6 014-7 015-0 016-8 018-7 016-8 018-7 018-8 018-7 018-8 018-7 018-8 018-0 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-9 018-8 018-8 018-9 018-8 018-9 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-8 018-		6 -	012-5	012-4	011-8	011-7	011.3	011-4	011-6	011-8	012 • 2	012.5	012-8	012-5	012-3	012.3	012.7	012.9	013.0	013-2	013-3	013-4	013-4	013-6	014.0	014.2	
9 026-7 026-8 026-9 027-2 027-2 027-4 026-6 027-9 026-6 029-0 029-2 029-0 029-5 028-1 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-6 028-		7	014 - 2	014 - 6	014-6	014-6	014 - 7	015-0	015.5	015.7	016 . 3	016.7	016-4	016.4	016.3	016 • 3	016 • 6	016 • 7	016 • 9	017.4	017.5	017.7	017-9	017.9	018 • 4	018.5	10
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11		9	026 - 7	026 - 8	026 - 9	027-2	027.2	027-4	027-6	027-9	028 . 8	029-0	029 - 2	029.0	028 • 5	028.1	028 - 4	028 - 5	028 • 6	028 - 8	029-2	029-5	029-9	030-1	030.1	030-2	10
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3 14 009-8 010-5 010-9 011-3 011-5 012-0 012-7 013-7 014-6 015-4 016-1 016-6 017-4 017-8 018-7 017-5 020-4 021-2 022-1 023-1 023-6 024-2 024-9 026-9 027-7 028-0 028-4 028-8 029-8 029-8 029-8 030-9 031-5 031-5 031-6 031-8 031-8 031-8 031-8 032-9 033-5 033-5 033-8 033-5 033-8 034-2 034-4 034-6 034-8 034-7 034-7 034-7 034-7 034-7 034-7 034-7 034-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-8 035-9 035-7 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 035-9 0			014-4	014-6	074-4	013-4	013-4	013.7	013-4	013.3	012.8	013-5	013-0	012.5	012.0	012-1	011.8	011.2	011.0	010.8	010-6	010-6	010.2	009-7	009-8	009-8	
16 034-8 034-7 034-7 034-7 034-7 034-6 035-6 035-5 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035-6 035-7 035			009-8	010.5	010-9	011.3	011.5	012-0	012.7	013-7	014.6	015.4	016-1	016.6	017-4	017-8	018.7	019-5	020 -4	021-2	022-1	023-1	023-6	024 - 2	024 - 9	025.8	
18			026-2	026-9	027.7	028-0	028 • 4	028-8	029-6	029 · 8	030-9	031.5	031.7	031.6	031.6	031 - 6	031 • 9	<b>032∙</b> 6	032.9	033-1	033-5	033-8	034 - 2	034-4	034 • 6	034 • 8	ŀ
18	,	18	094.0	094.7	024.7	024.7	094.5	034.8	034.8	038.0	035.5	035.0	038.0	035.0	035.5	035.5	035+3	035.5	035-6	035.7	035+8	035.7	035-6	035 - 9	035-9	036 • 2	1
18			035.0	025.0	025.7	025.6	035.9	035.4	035.1	035.3	035.0	036.1	035.0	035.7	035.0	034.3	034.2	034 - 1	033.8	033-8	033.7	033-7	034 - 0	034 - 0	034 • 0	034 • 0	
19			033.0	034 -0	034 41	030-0	035.1	035.1	035.3	035.0	036 - 7	038.0	037.1	037.0	038.8	036.7	036.7	038.9	038.8	037-1	037-2	037.2	037.2	037.2	037.2	037.2	
20			033.8	034.6	034.6	034.5	036.4	038.5	036.8	038.0	037.9	037.3	037.4	037.2	038.9	038.4	038.4	038.5	036.7	038.9	037-2	037.5	037-8	038 - 0	038 - 1	038 • 0	L
22 035-9 035-6 035-5 035-2 034-9 034-7 034-9 035-1 035-0 035-2 035-0 035-2 035-2 035-0 034-9 035-1 035-0 035-2 035-2 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-3 035-2 035-2 035-3 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-3 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035			038-0	037 - 9	037.8	037.9	038 • 0	038 • 0	037.9	038.0	038 • 4	038 - 6	038 - 7	038 - 2	038-0	037.7	037 - 2	037.2	037.6	038.0	038 - 0	038.0	038 - 4	038 • 4	038 • 4	038 • 2	1
22 035-9 035-6 035-5 035-6 035-2 034-9 034-9 034-9 035-1 035-0 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-6 035-2 035-2 035-6 035-2 035-2 035-2 035-2 035-6 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035-2 035		<b>.</b>	027.0	027.0	027.4	027.0	097-0	094.0	027.0	097.0	027.0	027-0	027.5	027.1	094.4	028.7	038.0	026.2	038.2	026.4	028.7	037.0	038.0	036.7	036.2	036-1	1
23			037.0	031 0	037-4	031-2	03/ 0	030 0	037-0	037-0	031-8	031-8	037-0	037.1	036.0	034.7	034.6	034.7	030.5	035.1	035 • 0	035.2	035.1	035.0	034.9	034 - 8	Т
24			030.8	030 0	035-5	030 6	A22.6	034-1	032.5	030-0	030 8	030-0	033.6	033.2	030-0	031.7	031-0	030.8	030.0	033 1	031 - 3	031 - 5	031.7	031 - 5	030 - 5	030-1	Т
25			034.0	036.3	034.1	000.3	000.0	000-0	033.5	033.6	033-1	000.0	000-0	033.3	002.4	001-7	001.0	000.4	030.8	031-1	031.3	031-3	032.4	031-0	012.6	030 1	Т
26			029.8	028.0	000-6	029.3	020.0	020.3	000.0	0.00	020-8	020.0	000-0	000.0	003.9	000-2	000.6	000.3	007.4	007.1	094.4	021-3	084.7	084.6	985.0	985.6	П
27	Z	20	009.7	006.5	000.0	003-7	002.3	000-3	880.8	230.0	880.2	994.5	993.0	992.2	881.2	380-2	800-0	200-5	801-4	901.T	500-0	500 8	204-1	504-0	800 0	300	ŀ
28			986 - 3	986 - 5	986 - 6	987-2	988 • 8	880-8	992-9	994 • 8	995-8	997-0	997 • 8	998 • 7	999-2	000-2	000-7	002 • 7	004 · 3	005 • 7	006 • 7	007.9	008 • 7	009-6	010-6	011.0	1
29			011.7	012.4	012.6	012.6	013.7	013.9	014.1	014.7	015.5	016.4	017.0	017.0	017.0	017.3	017•7	018 • 5	018.7	018.8	019 • 4	020.0	020.9	021.7	055.0	022.3	ľ
30   026-1   024-6   024-4   024-0   023-8   023-1   022-9   023-1   022-9   023-1   022-9   023-1   022-9   023-1   022-9   023-1   022-9   023-1   022-9   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   023-1   0			022-4	022.6	023.2	023.5	023-6	024.0	024 • 5	024 - 9	025 - 1	025-6	025 · 8	025-6	025-4	025.0	025 .0	024 - 9	025.0	025.1	025 . 2	025.0	024 - 9	024 . 7	024 . 8	024 · 7	1
31 016-6 016-5 016-5 016-6 016-7 017-0 017-4 018-2 019-3 019-9 020-2 020-2 020-4 020-4 020-3 020-2 020-8 021-2 021-0 021-5 021-3 021-2 020-8 m 1023 1023 1023 1023 1023 1023 1023 1023			024-4	024 . 3	024-1	024.0	024-0	024 • 4	024 • 4	024 - 7	025-0	025-3	025 - 2	025.1	024 8	024 - 8	024 - 7	024-6	024 · 7	025-0	025 - 2	025 • 4	025.4	025 • 3	025.3	025.5	1
n 1023 1023 1023 1023 1023 1023 1023 1023	3	30 ,	025-1	024-6	024 • 4	024-0	023-6	023-1	022-9	023.1	022.9	022.6	022 • 3	021.4	020-8	019.9	019-3	018.9	018.7	018.2	078.0	017-8	017.5	017.1	017.0	076.8	1
	3	31	016-6	016-5	016-5	016-6	016 - 7	017-0	017-4	018-2	019-3	019-9	020 - 2	020-2	020-4	020-4	020-3	020-2	020-8	021-2	021-0	021.5	021-3	021-2	020-8	020-5	ŀ
	_																										T
	L	WAOT)	•50	•49								_	•15	•83	•44	.21	-14	•18	•31	•51	-58	-69	• 74	•71	•70	·65	Ļ
1024 1024 1024 1024 1024 1024 1024 1024	r= 1 \	•			1024	1024	1024	1024	1024	1024	1025	1025	1025		1024	1024	1024	1024	1024	1024	1024						

442. KEW OBSERVATO	RY: H _b	=	10.4	metres	
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FEBRUARY, 1935

	Day	mb.	mb	mb	ab	->		>					-			Γ.				·.						
•	Day 1					130 019.7	018·9	mb 018-8	mb	mb	mb Olese	mb	mb 015.3	mb 014·3	mb	mb	mb	mb	mb	mp	mb	mb	mb	mb. ∩11•1	mb	ub 015•
- 1	ž	009 - 7	009 - 5	008-8	008 - 7	008 - 3	007-3	008.6	000.3	007.0	007.5	013.8	013-3			009-8										
2 1	3	018-5	019-2	019-1	1019.0	1018 - 9	1018.9	018-4	1018-3	017.5	017.0	016-1	014-7			011-4										
1	4	011-5	011.1	010-7	010 - 2	009.6	009.0	009-0	010 - 3	011.2	012.0	012.4	012.6			012-8										
- 1	5	010-4	010 • 4	010-3	010-5	010-6	010-6	011.0	011.6	011.6	012.0	012-1	011-8			010.3										
1		000.4	004-0	000.0	000-3	204.0	004.0																			
- 1	7	004.1	094.8	004.7	982.1	994.0	994·8 025·9	882.8	888.8	001.8	004 - 3	006 • 4	008 - 5			013-1										007
	Ŕ	025.4	025 - 0	024.8	024-1	024 - 7	024.8	020.2	025.0	027.1	027.0	027.1	027.0			026 - 1										
	9	024 - 4	023.9	023-7	023-6	023-6	023.7	023.7	023.0	024.3	023-4	020-4	004.3			023-3										
	10	024 - 1	024.1	023-9	023-8	023.9	023.9	024-1	024 .4	024 - 6	024 - 6	024 - 6	024 • 0			022.9										
	11	000.0	000.7	000.5	099.1	020.0	021.8	001.0	000.0				000 0						Ĺ							
- 1	12	018.0	018.9	017.4	016.6	015.0	015.6	021.8	022.0	022.4	022.5	022.8	022.0	022.0	051.8	021.1	020.9	020.9	051.3	055.0	021.4	021.1	020.9	020 • 4	019.5	021.
ᅾ	13	010-8	010-2	009-6	008 8	007.6	006-9	005.8	002.0	004.1	073.8	013.1	003*0	001.0	011.7	011.2	011.5	011.6	075.0	000.3	00012	015.5	011.8	011.4	011.2	013.
Š	14	001.2	001.8	002.3	002.6	003.1	003.2	003-0	004.6	005.5	003.0	003-0	002-5			009-2										
ŭ	15	016-9	016 - 6	016 - 7	017.2	016.6	016.5	016.3	015.6	015.0	014.4	012.8	010.6	008.9	007.7	006 - 9	010.0	005.7	005.8	005.5	002.6	005.1	OT6.4	005.4	005.6	011
Station					1	i	1	ĺ	ĺ		l	•	ł	***	00	000	000 4	000-7	000-0	003-5	003-0	003-1	005-3	003-4	000	011
at.	16	005•8	005·8	006-0	005-6	005∙5	005 - 7	005 • 9	006 • 4	006 .2	006 - 2	005 • 8	004 • 9	004 • 4	003-2	001.7	000 • 7	999 • 4	998 - 4	999-1	999-7	999-9	001-8	004 - 5	007-9	003.
ಭ	17	010-3	012 • 2	1013-6	014.9	016.4	1017-2	1018・3	019.6	020-0	020 - 7	021.6	021 • 6	021.7	021.5	021.6	021.7	022.0	022.2	022.7	022-9	022-7	022.7	022-7	023-3	019.
ı	18	023-0	022.6	022-4	021.9	021.9	022 - 6	022.6	022.7	022.6	022 • 4	022.0	021 · 4	020 • 6	019•8	019.4	018-4	019.0	018-6	018.4	017.9	017-6	016.9	016-5	015 • 9	020 •
- 1	19	015.4	014-9	014.4	013.5	012.8	012.5	012.0	011.8	012.0	011.9	011.6	010-8	010.5	010.5	010.9	010.7	009 • 9	009 - 8	009-7	009.9	009 • 7	009-2	008-2	007-1	011.
Į	20	008.8	006.5	005.3	004.0	003.6	002-5	002.1	001.6	000.7	000.5	998∙8	997 • 5	996 • 4	994 • 9	994 • 0	994.0	993-8	993-4	992.8	992 • 4	992.1	991.9	991.5	990 • 6	998 •
	21						987-6							991.7	991.6	991-6	991.7	991.9	992 • 7	992.6	992-6	991.9	990 - 7	989-2	987-6	990 •
1	22	985 - 7	983.5	981.0	978 - 6	976 - 7	974-8	974-4	974.3	973-9	974.0	973-9	973-8	976 • 3	978 - 4	978 . 9	979-5	980 - 1	980-4	980 - 4	979-8	979-2	978 - 2	977.8	976 - 6	978 •
- 1	23	975 - 9	975 . 9	976 • 4	976 • 6	977 • 5	977-7	978 - 3	978 . 9	979.5	980.5	981.6	982 - 2	982.5	982.8	983.3	983-8	984 • 5	985 1	985 . 7	286 - 3	986 • 9	987 - 5	988∙£	988 • 8	981 •
j	24						990 • 9							989.1	987.7	986 - 4	984 • 4	982 - 2	979.6	977-2	975 .0	973-0	972 - 2	972 - 6	972 - 7	985 •
	25	972-6	972.5	972.5	972-6	972-6	972-3	971.9	971.7	971.5	970-8	971.3	973.6	975 • 2	976.5	977.5	978•6	980-1	981.5	982 - 7	983-6	984 • 8	985 • 7	987-1	988 5	976.
1	26	989 - 7	991.2	992-4	994 - 2	995-6	997-1	998-9	000 · 5	002.0	003-2	004 - 0	004.6	005 • 2	006-1	3-900	006+8	007.3	007.6	008.2	008-1	007.3	007.3	008.0	004.6	001.
- }.	27						996 - 1							988.1	988 - 3	988.1	988-0	988 - 3	988 - 5	988 - 5	988 - 4	987.8	987-6	987.5	987.4	992
- ↓	28						985 - 9							985 - 3												
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					-			1005	12000	1000	1000	2000	1000	3000	1005	1005	2005	2005	1000	1006	1006	1005	1005	1005	1005	1006
<b>lea</b> n S <b>tati</b> or	n Level)	1006 •82		1006		1006		1005 •94	1006 •22		1006 •47	1006 •45	1006 •23	1006 •01			1005 •75	1005	1006	•21	1006		•97			• 1
lean		1008	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1006	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007
Ses Lev	vel)	1008 -10									•76	•73	•50	•28	•08		•03	• 21	•36	-49	•45		.26	•17	•08	-4
	Hour	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
(	G. M. T.	_	_	1	l -	1	1 -		l -	1 1		[	1	i	ı	i	l	l	l	}	l	l	1	j	}	l

443. KEW OBSERVATORY: Hb (height of barometer cistern above M.S.L.) = 10.4 metres

MARCH, 1935

Hour G. M. T.	1	2	3	4	5	В	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	*
<b>Д</b> Day	mb	mb	mb	mb	mb	mb	mb	mb	шb	æb	mb	mb .	mb	mb	mb	mb	mb	mp	mb	mb	<b>a</b> b	mb	шb	mb	١,
ì	986 • 8	987-6	988 - 5	989-4	990 • 4	991.6	992-8	993-8	994 . 2	994 - 4	993-6	992.9	992-1	990.5	989-9	989 - 1	988 - 6	988 • 7	988 . 5	988 • 4	988 • 4	988 • 8	989.5	990 • 8	99
2	992 • 5	994 - 5	996 - 4	998.1	000∙5	001.2	002.7	004 - 4	005 • 5	006-6	007-8	008 • 6	009.5	010.0	010.6	011.3	011.8	012-6	013.3	013.9	014.2	014 .6	014.7	015.0	10
3	015-0	014 - 7	014-6	014.6	014.6	014.7	015-1	015 - 1	015.3	015 • 4	015.5	015-3	015.3	015 - 4	015-6	015-7	016 - 2	017-3	017.7	018 - 3	018.9	019.4	019.8	020.1	10
4	020 • 8	021 - 6	022 • 0	022-7	023-3	023-9	024-6	025 • 4	025 . 8	025 - 7	026 - 0	026 · 3	026 • 1	026-0	026-1	026 - 1	026 - 3	026 • 8	027-4	027.6	027.7	027.7	027.7	027.8	10
5	028.0	028-1	027-8	027:8	027-9	028-0	028 • 4	028 - 3	028 • 5	028 · 7	028 · 7	028-1	027 • 6	027.7	027-9	027-7	027-7	027-8	028 • 4	028 - 7	028 - 9	029-0	028.9	029-1	1
6	029-0	029-0	028 - 8	028-9	028-9	028-9	029-3	029-4	029 - 8	030-0	030-2	030-2	030 - 2	030-2	030-4	030-6	030-8	031.2	032.0	032 • 4	032.8	033-0	033-1	033-6	ŀ
7	033-8	033-4	033.5	033-3	033-4	033-8	034 - 5	034 - 8	035 • 4	035 .4	035 - 3	035 • 3	035-1	1034 - 9	1034 - 9	034 - 8	1035 • 2	1035 • 8	1036 - 6	1036 • 9	037-1	1037-1	1037-2	1037-1	11
8	037•0	036 - 8	036 • 6	036 • 2	036 • 5	036 • 7	037-0	037 • 5	037-4	037.3	037.4	037-4	037-0	038-4	036-4	036 • 1	1035 • 8	1035-6	1035 • 3	034-9	034 - 8	1034 • 9	1034 - 9	1035 • 2	10
9	035 • 6	035 • 7	035 • 3	035-1	035.1	034 . 8	034 • 9	034 - 6	034 . 0	033.2	032 • 4	031.7	030-7	029 - 7	029.1	028 - 7	028 • 0	027.9	027-7	027-4	027.2	027-0	026.7	026.5	10
10	026.0	025 • 7	025 • 3	024.8	024-6	024 - 4	024 - 3	024-1	023-7	023-4	022-9	022-4	022 • 3	020-9	020-9	020-1	020-6	020-8	020 - 7	021-1	021.0	021-2	021.2	021.6	1
11	021 - 7	021.7	021.9	021 - 7	022-6	023-0	023-8	024 - 5	025 - 5	026-4	026 • 9	027-1	027-4	027-6	028-3	028-8	029-7	030-6	031-0	031-5	032.0	032-2	032-5	032.7	ŀ
12	033-1	033-0	032 - 8	033-0	033-1	033-3	033-8	033-7	033.8	033-6	033.0	032.6	031.8	031.4	031.2	030-8	030-8	030-7	030 - 9	031.1	031.1	031.0	030-6	030.0	1
ਚ 13	029 • 5	029 - 1	028 - 7	028 • 6	028 • 4	028-0	028 - 3	027.7	027.3	027.1	026 • 8	026 - 1	025-2	024 - 1	023-4	023-0	022-9	023-3	023.3	023.3	023-2	022.8	022.7	022.0	1
13 0 14	021.7	021.1	020 - 4	019.9	019-7	019-0	018-7	018 - 5	018 . 2	017-6	017.4	017-0	016-3	015.9	015.7	015.6	015.7	015.8	016-0	016.0	016.1	015.9	016.1	016.0	10
	015-8	015-4	015.0	014-6	014-5	014-4	014.7	014.6	014.5	014.0	013-8	012.5	011.5	010-3	009-3	008 • 3	007-6	007-5	007-0	006-5	005 • 7	004-9	004.3	002-9	ľ
Station 16	002-4	001-5	000-5	999 • 7	999 • 5	999•3	999 • 3	999 • 4	999 • 3	999-1	999-0	998 • 9	998-4	998-1	998-2	998 • 0	998-4	998 • 7	998 • 7	998 • 7	998 9	998 • 9	998-9	998-9	ŀ
± 17 1	999 • 0	999-1	999-2	999 - 3	999-5	000 • 5	001.2	002 - 2	003.3	004-1	004 • 7	005-0	005 • 7	005 - 9	006-7	007.5	008 • 0	009 . 2	010-5	011.3	012.0	012.7	013.4	013.9	т
18	014.7	014-9	015-1	015-2	015-9	016 .6	017-1	017.7	018 . 2	018-4	018 - 5	018 · 5	018-4	018-4	018-2	017-9	017-8	018.0	018-5	018-9	018.9	019-1	018.9	018-9	1
19	018 • 8	018-3	017.9	017.8	017.7	017.9	018-0	018 - 0	018.3	018-1	017-8	017.5	017-0	016 . 2	015-8	015-2	015-0	014.9	014.8	014.8	014.9	014 . 7	014.7	014.5	10
20	014.0	013-5	013-1	013.0	013.0	013.1	013-6	014.0	014.6	014-8	014-6	014.4	013.9	013-9	013-6	013-6	013-8	014.5	015-0	015-6	015-9	016.3	016.5	016.4	ľ
21	016-4	016.3	016.0	015-8	016-0	016.5	016.5	016-6	016.5	016-4	015-9	015.7	015-0	014-5	014-0	013-8	013-8	014.0	014-5	014-7	014-6	014.6	014-4	013-7	ŀ
22	013-6	013-4	012.8	012.4	012.3	011.8	011.9	011.7	011.5	011.5	011.2	011.5	010 • 7	009-9	009-1	008 - 7	008 • 8	009 • 7	009-6	009-7	010.3	010-4	010-4	010.2	1
23	010.6	010-6	010-6	010.8	011.6	012-1	012.7	012.8	012.8	013-0	013.0	013.0	012.1	011.2	010.4	010.3	010-0	009-8	010.7	011.0	011.7	012.3	012.8	012.8	1
24	013-6	013.9	014 .8	015.2	016-2	016.8	017.7	018 . 9	020.1	020-9	021.7	021.9	022 - 4	022.8	023.1	023.2	023-8	024 - 6	025 - 2	025-5	025 - 8	025 • 9	025-8	025 • 7	1
25	025 • 4	025 • 5	025 • 4	025-2	025 • 4	025-8	025-9	025 9	025 • 9	026-0	026 - 1	026 • 2	026-0	025-8	025 • 5	02515	025.5	025 · 7	025-8	026 • 1	026 • 4	026 - 5	026-4	026-3	۱
26	026 - 3	026 • 4	026 - 3	026 - 5	026 - 5	026 - 7	026 - 9	027-0	027-4	027-3	027-1	026 - 8	026 • 2	025-7	025-3	025-0	024-9	024 - 9	024-9	025 - 5	025 - 6	025 - 5	025-6	025 - 7	1
27	026 • 1	025 • 8	025 • 4	025 - 8	025 • 9	026 • 1	026 • 8	027-1	027.3	027-5	027.6	027 • 7	027-7	1027 • 7	1027-6	1027-6	027-8	1028 • 0	028 - 3	028 • 5	029.0	029•3	1029-7	1029-8	
28	029 • 7	029 - 7	029 - 7	029 - 6	029 • 6	029 • 6	029-4	029-0	029.3	029.1	028 • 7	027-9	027-7	026 - 8	025-9	025-5	025 • 4	025 • 5	025 - 7	025-7	025-6	025-0	024-8	024 - 7	1
29	024 • 7	024 • 4	023.9	023.9	023-9	024-0	024 - 6	025.0	025 - 5	025 -8	026-5	027-1	027-7	028-0	028.3	028 • 4	028 - 9	029 • 5	030-1	030-4	030 - 7	1030-8	1031.0	031.2	1
30	031.3	030 • 8	030 • 6	030 • 1	029 • 8	029-8	029-5	029-2	028-8	028 - 2	027.7	026 · 8	026-1	025-1	024 - 2	023-8	023.2	022.6	022-1	021.6	021.0	020 • 9	020-6	020-4	ľ
<b>↓</b> 31	020-1	019-4	018-9	018-6	018•3	018-1	017-9	017.9	017-9	017-1	017.0	016 • 1	015-9	015-2	014-8	014-2	014-3	014-4	014-9	015+3	015-1	015-1	014-9	014-8	1
i tion Level)	1019 •77			1019 •60						1020 -84	1020 •79		1020 •29		1019 •69	1019 -51	1019 •58	1019 •88			1020 •50				
Level)	1021 •08	1021	1020	1020 •91	1021 •13	1021	1021	1021	1022	1022 ·14	1022			1021 •16	1020	1020 •79			1021 •45		1021				

	******	AD CDDTT   MADE!	**	10.4	
444.	KEW	OBSERVATORY:	# _b =	10.4	metres

. APRTI. 1039

444	. KEW	OBSER	VATOR	Y: Н	p = 1	0•4 m	etres	·			<del>,</del>						,							APRI	L, 19	77
^	Day	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	шb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mì
7	2	014 -4	014.1	013.6	013.4	013.5	013.6	013.6	013.4	013.1	013.0	012.4	012.1	011.8	011.4	010-8	010.7	010.7	010-6	010-4	010-6	010-5	010-3	011.0	010-8	
	3	014.8	014.5	010-8	014.0	014.4	014.7	014.0	072.0	012.1	013.4	013.4	013.7	013·7 016·0	013.7	013.8	014.5	014.7	014 - 8	012.5	019.3	012.5	012.1	014.9	014.7	013
j	4	014.9	014-0	013-0	012.2	011.4	010-5	009-6	008.0	007.2	006.3	008.0	005.2	004 - 6	004-1	003.7	003-1	003-0	019-9	004.1	004-8	005.0	002.0	005.0	005-0	018
	5	005 • 2	005 - 5	005-3	005 • 4	005 • 4	005 - 7	005-9	005 - 9	005-7	005 - 6	005 - 6	005-6	005-0	004-6	004-4	003.8	003.8	003.8	004-0	004.1	004 - 2	004-3	004-6	004-9	004
	6 7	005 - 2	005-8	006 - 3	006-6	006 - 8	007-1	007 • 7	008-0	008-1	008 · 3	008 • 5	008 • 5	008-2	008-3	008-5	008-6	008-5	008-4	008 • 3	008-1	007-6	006 • 9	006-1	005-1	001
	8	003.1	002.3	905-2	999.0	998.4	998.4	999.0	000 4	001.5	002.0	002.7	002.7	002-3	1005.0	002-4	001.8	001.7	001.5	000.7	000.3	999.7	998 • 7	997-4	995-6	000
	9	999 7	998-2	997.8	997	999-0	999.8	001-0	000.0	002.0	000.0	003-7	003.7	004 · 7 001 · 6	001.5	001.8	004.2	004.3	004.3	004.1	004.0	003.8	002.9	002.2	8.000	00
	10	000 - 2	999-4	998 - 6	998 •	997.8	997.6	997.6	997-3	997-2	997.5	997-8	998 - 2	998 - 3	998 • 4	998 • 3	998 • 7	999-5	999.9	000-6	000-7	000-6	000.6	000-7	000-8	999
	11	000-6	000 - 7	000-6	000-9	001-0	001-4	002-4	002.8	003-9	004-8	005-3	005-6	006-0	006 - 5	006-9	006-9	007-6	008-0	008-8	008-9	008-8	008 • 7	008-5	008-4	00
	12	007.7	007.0	006 • 1	004 - 8	004-1	004-0	003.7	003.7	002.9	003-1	003.1	002-9	003-1	003-4	003-8	004.3	005-1	006 • 1	007-6	008 - 8	010.0	010.8	011.6	012.5	
Ve	13 14	012.9	013.9	014.3	014 - 8	014 - 9	015.8	016.0	016.0	015-9	015.7	015.5	014.8	013-9	013.2	012.4	011.7	011.0	010.5	009-9	009.8	009-0	007.8	007-2	006 • 5	01
ے	15	008-9	008-0	004	004-2	004.0	011.0	011.5	011.6	011.0	011.7	004.5	004.6	004 · 8 010 · 9	004 • 7	005.1	005.1	005.5	005 • 7	005 - 9	006.8	006.9	007.3	007-9	008-2	00
Station		1		1	1	1	1	l	1	į.	l .			1	۱ -	ļ	1	ŀ			l.	1		ſ	ſ	00
ati	16	999 • 3	996 • 8	994 - 2	992 - 2	990 - 7	990 - 3	990-7	992 - 2	993-5	994 • 0	994-6	995.1	995 • 4	995 - 7	995 - 4	995.3	994 · 8	994 • 9	994 . 7	994 - 7	994 • 4	993-7	993-2	992 - 7	99
Ϋ́	17	992•3	992 • 0	991.5	991.0	990-9	1991.0	1991.0	1991 • 4	1991-9	992 • 4	1993-0	1993-1	993.2	1993-5	993.5	1993 · A	994 - 3	1994 · A	1995 - 3	995.8	995.7	995.8	QQR - O	908.3	98
- 1	18 19	996.6	997.0	997-4	997 - 8	998 - 7	999.5	000.3	000.7	001.4	001.9	002.6	003-0	003-6	003-5	003.7	003.8	003-6	003.3	003.4	003.2	003-2	003-2	003-1	002-9	00
	20	007.2	006 - 6	005.7	005-1	004.6	003.8	004·5 003·6	002.8	002.1	001.5	001.6	001.3	006·8 001·5	007.1	999 - 8	999.5	999 • 4	999 • 4	999 6	008 • 5	999 • 9	999 • 9	999 • 7	999-6	00
	21	999 - 5	999-6	999 - 2	998 • 9	998 • 6	998-6	998 - 8	998-9	998 - 5	998-9	999.3	999-8	999.5	999.5	000.3	000.4	000.8	000.7	000.3	000.7	000.8	007 •0	001.2	001.4	99
	22	001.8	001.8	002 • 3	002 •6	002.8	1003.3	003-6	004 • 4	004.5	1004 • 7	004 • 9	005.0	005-1	005 • 4	005 • 4	005-6	005-9	008 - 6	007.2	1007-9	008 • 5	1.009	1009-4	000-6	loo
- 1	23	009 - 8	009 • 9	010-0	010-6	011.0	011.7	012.5	012.7	012-9	013-2	013.3	013.2	013.3	013.4	013.3	013.2	013.2	013-7	014.7	015-6	015-9	016.2	016-7	016-8	01
- 1	24	017.0	017 • 1	017-4	017.5	1017-9	1018 • 5	1018-6	018-9	019-1	019.5	019-6	019-8	019-9	1019-6	010.9	h1a.s	เกาฉงา	กาดเอ	2.010	1019-8	1010-8	വംവംവ	2.010	2.010	l na
	25	019-6	019.5	019-4	018-7	018-6	018.7	018-6	018-5	018-4	018 · 3	017.7	017.5	016.9	016-8	016-7	016-6	016-6	016-5	016.6	016.6	016-6	016-6	016-9	017-0	01
- 1	26	016 • 9	016.8	016-7	016.3	016-5	017-2	017-8	018-0	018-1	018-6	018.5	018.5	018-5	018-6	018-7	018-7	018-8	018-9	019-0	019-8	020-2	020-4	020 - 7	020-8	03
	27	020 • 9	020 • 9	021 • 0	021-0	021.6	021.8	021.9	022-0	022 - 2	022 • 4	022.5	022.6	022-8	022-9	022-8	022-8	022.8	022 • 9	023-3	024 • 0	024 - 3	024 • 5	024 • 7	024 - 8	02
-	28	024 • 9	024 • 9	025-0	025-0	N 025·3	025 • 7	025 • 7	025 • 9	026 - 2	026 • 4	026 - 5	026-6	026 - 7	026 - 6	026-6	026 - 1	1026 • 0	026 • 2	1026 - 7	1026 - 8	027-1	027 • 2	027-5	027-4	1 02
	29 30	027.3	027-0	020.8	020.7	020.7	020.8	026.7	026.7	026 • 6	026 - 3	025 - 7	025.5	025·1 019·9	024 - 5	023.9	023.3	022-9	022.7	022.8	022.6	022.9	022-9	022.8	022-4	02
•	30	UZZ. U	OZI-B	OET-8	021-3	321-3	UZITS	021-5	021.2	020.9	020-7	020-5	020-1	019.9	019-4	019-0	018.7	018.8	013.0	OTA.S	013.7	020-2	020-7	020-7	020-8	0,
an.		1008	1008	1008	1007	1007	1008	1008	1008	1008	1000	1009	1000	1000	1000	1008	1008	1006	1009	1009	1009	1009	1009	1009	1009	10
	Level)	•54							-71	·87	1009 •04		·11	1009 •10	1009		-82		.02	-26	<u>•54</u>	-52	•44			
an		1009	1009	1009	1009	1009	1009		1009	1010		1010	1010	1010	1010		1010			1010	1010	1010	1010		1010	10
a Leve	1)	•83	•53	•32	<u>·21</u>	•27	•57	-82	- 99	•14	•31	•40	•37	•37	•26	·13	-08	•17	•29	•53	<u>-82</u>	-80	•72	•60	•35	L
	Hour M. T.	1	2	3,	4	5	6	7	8	9	10	11	Noon	13	14	15	16.	17	18	19	20	21	22	23	24	<b>36</b>

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.

G	Hour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	
<b>^</b>	Day	æb	mb	mb	mb	mb	шb	mb	mb	шb	mb	mb	mb	mb	mb	æb	mb	mb	mb	m.b	mp	mb	mb	mb	mb	Γ
1	1	020-9	020 - 9	021-2	021.3	021.6	022 - 2	022.6	023.1	023-3	023-3	023-6	023-5	023-4	023-3	023-3	023-2	023.0	023.1	023.0	023-2	023.3	023.4	023-4	023-4	ŀ
- 1	2	023-2	023-2	022-8	022.7	022 . 6	022 - 7	022.7	022 - 7	022-4	022.3	022 - 1	021-8	021.6	021-2	020-5	020 - 1	019-6	019.5	019.3	019-5	019-4	019.1	018-9	018-6	ŀ
- }	- 3	017-8	017-5	016-9	016-6	016-4	016 -4	016-1	015-9	015-5	014-7	014.5	013.9	013-3	012-5	011.8	011.6	011-4	011.2	011.6	011.8	012.0	012.1	011.7	011.5	ŀ
- (	4	011.5	010-8	010-6	010-3	010-5	010-6	010-6	010-7	011.5	011-2	010-8	011-0	011-4	011-6	012.0	012.4	012.5	013.0	013.6	013.9	014.5	014.6	015.2	015-6	1
1	5	015.7	015-8	016-0	016-1	016-3	016.6	017-1	017-6	017-7	017.8	018.0	018 • 3	018-3	018-3	018-2	018-4	018-6	019-0	019.8	020-4	020-7	021.5	021-9	022.0	1
	6	022-1	022-2	022 - 4	022-6	023-3	023-7	023-9	024 - 4	024-6	024.7	024 - 7	024-6	024 - 3	024 - 3	024 · 3	024-3	024-4	024.6	025-2	025 - 5	025-6	025 • 8	026-0	026-1	1
- 1	7	026-4	026-6	028 - 8	027.0	027-2	027 - 3	027.3	027 - 7	027-7	027-8	027.6	027-6	027.5	027-4	027-4	027 • 3	027-3	l027·4	027.7	028 • 4	1029-2	1029 • 7	029 - 8	1029 - 9	1
- [	. 8	029-7	029-7	029-6	029.5	1029-6	029 - 6	030 • 0	030 - 2	030 • 3	030 • 4	030 • 3	030 - 2	029 • 7	1029-1	028 - 6	028 - 5	028 - 3	1028 • 0	028 - 2	028 - 4	1028-6	028 - 8	1028 - 7	1028 - 5	
- }	9	028 - 3	027-9	027-3	028-8	026 • 4	026 • 3	026 - 1	026 • 0	025-6	025 - 3	025.0	024 - 6	023-8	1023-3	022-7	1022 • 6	022 • 4	1022 • 5	022.7	1022 - 8	1022 • 6	1022-6	022.6	1022 • 3	
	10	021-8	021-4	021-1	020-9	021.2	021.0	020-6	020-6	020 • 4	020-1	020-0	019-8	019.5	019.5	019.3	018.9	019.0	019.1	019-2	019.8	019.8	020-1	020-7	020-7	1
	11	020-6	020-4	020-3	020-2	020-2	020 - 3	020-1	020 - 1	020-0	019-8	019-6	019-2	019-1	018 - 7	018.3	018-3	018 - 3	018-4	018 - 7	019 - 2	019-9	020-6	020-7	020-7	١
- 1	12	020-6	020 - 7	ി റഉറ∙ ഒ	020-5	1020 • 4	020-6	021.0	021.0	021-1	021 - 2	021 - 0	020-8	020 • 7	1020 - 5	1020 - 3	1020 - 3	1020-4	1020-5	1020-8	021-1	1021-8	1022.0	1022 - 3	1022 • 3	
<u>-</u>	13	022 - 2	022 - 1	021 - 9	021.8	021.9	022 • 2	022 - 5	022 - 6	022 • 7	022 • 3	022 - 3	022 • 2	022 • 1	1021-7	021.1	1020 - 7	020-3	1020.0	1019.5	019-5	019.4	1019.1	1018 • 6	(017.9	•
Level-	14	01.7 • 6	016.8	016-2	015-7	015-6	015-6	015-6	015-8	016・3	016 - 7	017-1	017-1	017 • 2	1017 • 3	1017.5	1017 • 5	1017-6	1017 - 7	018.1	018-1	1018 • 2	1017.7	1016 • 9	1015-9	
	15	015-6	015-4	015.5	015.7	015.9	016.3	016.6	017-0	017-3	017-4	017-3	017-2	016.7	016 - 2	015.9	015.7	015.5	015.5	015.3	015 • 2	015-2	015.0	015.1	015-1	1
Station	16	015-1	015.0	014.0	015.1	015-6	015.0	018.5	018.0	017.4	017.5	017-8	017-6	017-6	017-6	017.4	017.8	017-8	018-1	018-1	018 • 2	018-4	017-9	017-8	017-6	1
<u> </u>	17	018.8	016.0	015.4	014.8	014.2	013.8	013.1	012.4	011.5	010-7	nna	009.3	008 • 4	007-6	007.3	007-4	007-4	007.5	007-6	008 - 2	008 - 7	008 - 9	008 - 9	009.0	ı
ĭ	18	กกลงา	000.9	000.3	l nna - si	ഹരം മ	010-5	030-7	เกรกะต	l ດາ າ •ດ	ไดาก-ล	1010-7	010-7	010-7	1010-8	1010-9	1011-2	1011-3	1012 - 2	1013-0	013-4	014.3	1014 • 3	1014 • 3	1014 - 4	
- 1	19	∩ າ ⊿ • ຈ	ำกา∡∙ย	014-1	U1 3 • 0	เกาจะผ	013.8	1013-8	013.7	เกาจงผ	013.4	012.7	1012.7	012-6	1011 • 8	1011•3	1010-8	1010 - 7	1010-8	1010-8	011.2	011.2	1011.7	1011-8	OTT - R	
	20	011.7	011-6	011-6	011-6	011-7	011.8	012.6	013.1	013-2	013-6	013.7	013.8	014-1	014.7	015-4	015 - 7	015-9	016.3	016-6	017.0	017-6	017.9	018-1	018.4	1
	03	010.0	070.7	070.0	010.0	030.5	010.0	000.3	000.6	000.7	020.7	000.0	001.0	021-1	097.07	001.9	097 .4	021.7	h21 . A	022.4	022-8	023-5	023-7	023.7	023.7	L
1	21 22	010-7	079.1	070.8	078.5	018.2	008-0	020-3	020-0	000-7	020-7	000.3	021.5	020-9	020.4	019.5	118.0	018.7	018.7	018.5	018-5	018-4	018-2	017.7	016.9	L
- 1	23	023-0	015.7	025-4	074.9	014-5	014.5	014.1	012.8	012.0	019.7	012.2	011.0	011.9	011.0	011.0	012.2	012.8	012.9	013.2	013.7	014-1	014.0	013-9	013-8	I
- 1	24	010.0	019.1	079.2	015-4	015.9	075.2	013.9	014.3	014.3	014.9	014.0		014.1	074-1	014.2	014.2	014.2	014.7	014-9	015-1	015.7	015-8	015-6	015.0	Į,
	25	014.7	014.7	014.8	014-8	014.9	014.9	015.2	015.6	015.8	015.9	015.9	015-8	015.7	015.7	015.7	015.7	015.7	015-9	016-3	016.9	017-8	018-2	018.5	018.7	ŀ
1		! !			1	1		l		1	i		i .	018-0		l		ŀ	1		1		1		i	ı
1	26	078.4	079.9	078.8	078.8	079.3	079.8	0.10.0	010.1	010.2	010.0	010.0	O12.4	017.2	014.0	014.9	016.0	015.3	015.0	015.6	015.7	015.0	015.0	015.7	015.4	ı
- 1	27							018.8						017.2	014.0	010.4	014.2	014.3	014.0	014.4	014.7	015.0	015.0	015.0	014.6	
1	28							014.9						014.8	011.4	O10.0	014.2	010.3	010.2	010.2	010.6	011.0	013.4	011.8	011.5	
1	29	014.2	014.3	014.1	014.0	014.1	014.1	013.9	012.8	073.8	012.6	012.1	010.7	010.4	010.2	010.9	010.7	010-1	010.5	011.3	011.2	012.0	012.5	012.7	012.0	L
	30				1			1		i	l .	Į.	l	l	l			1	ĺ	[ '		1	i		1	Ł
<b>↓</b>	31	012-9	013.0	013-0	013-1	013-2	013-4	013-9	014-0	014-3	014.7	014.7	014.7	014.7	014-7	014-5	014 • 4	014.3	014-1	014-1	014.2	014.5	014.5	014.5	014.5	ľ
n		1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1016	1017	1017	1017	1017	1018	1018	1018	T
tion	Level)	-04	•89	-76	-68	•74	-85	•00	•09	-08	•02	•87	•71	-52			•03	•96	-10							
-			1019	1019				1019			1019			1018	1018	1018	1018	1018	1018	1018		1019		1019		t

446.	KEW	OBSERVATORY:	H _b =	= 10.4	metres
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								,	,	,																
	Day	mb	mb	mb	mb	mb	mb	mb	mab	mb	mb	mb	шb	mab	mb	mb	ma b	mb	mb	mb	mb	mb	mb	mb	mb	mb
1	1							013.9								011-0										012-1
1	2							006 - 7								004-9										006-1
,	3							006-3								005-6										006-1
i	4							006-0								8-300										003-8
. 1	5	998-8	998.9	998.3	998.0	997.7	997.6	997-6	997 - 6	998 • 0	998 • 5	998 • 6	998-5	998 · 3	997.9	997.5	997.7	997.7	998-4	888.0	999-9	000.8	001.5	002.0	003-0	998 • 8
- 1	6	000.7	004.5	005.1	005.7	000.5	007.0	007-9	000.4	200 1			ا ممم		۱ ۵۵۰	000.3	000.4	007.5	007.4	007.2	000.0	000.0	200.5	000.0	005-6	007-3
	7							007.9								003-0										004-1
- 1	Ŕ							011.3						014.8	002.0	015.7	016.3	016.7	017.2	017.7	018-8	019-4	019.8	020-3	020 - 6	013.8
- 1	9	020 - 7	020 - 9	020-8	020 - 7	020 . 7	020 - 8	020 - 7	020-6	020-1	019.7	019-6	018.7			016.7										017-8
	10	010 - 7	010-7	009 - 3	008 - 3	008 - 2	007-6	006-8	007.0	006-2	005-8	005.9	005-8	006-1	006 -1	006-1	005.9	005-8	005 - 7	005 - 7	005-8	006.0	006-0	006.0	005.9	
İ						}	1		1									-				1		-		
- 1	11	005 • 7	005-4	005-0	004 - 7	004 - 8	004 - 8	004-6	004 - 5	004-0	004 - 2	004 - 1	004 - 3	004-4	004 - 5	004 - 5	004.5	004-9	005-7	005 • 9	008-0	007-0	007-4	007-8	008-1	005 - 1
. 1	12	008 • 4	008-6	008-7	008-8	008 • 9	009-0	009-5	009-6	009 - 8	010.4	009-9	009.8	010.0	009-8	009 • 8	009.9	010.1	010.4	010.7	010-9	011 .4	011.5	011.5	010-9	009-8
e e	13	011.5	009-8	009-1	008 • 7	008 - 9	009-2	009 • 4	009 • 9	010.6	010.8	011-1	011.6												010-8	010.8
ڎ	14	009.8	009-6	009 • 5	009.5	009 • 7	009.8	009 • 8	009 • 7	009.5	009 • 5	009-4	009-1			008 • 5										008 • 7
Ē	15	006 • 7	008.2	006.6	006.5	006.1	005-9	006-1	005-8	005-7	005 - 7	005-2	005 - 2	005.0	004 • 7	004-7	004-6	004-1	004 - 2	004.5	004 · 7	005.1	005.1	005-1	005 - 2	005-4
ţį	10	005.0	005.4	005.4	005.0	005 0														l <u>.</u> .		l <b>.</b> .	l			
šta	16 17	008-3	005*4	000.4	000.0	000.8	008.1	006.2	006 • 4	006 - 5	006-3	006.0	006.3	008.0	1006 • 0	006-1	006.2	006 • 5	006 - 8	007.0	007.3	008.0	008 6	008 • 5	008 - 3	006 - 8
Ϋ́	18	000-1	000.0	007.0	007.8	007-0	008-0	008.1	011.9	000-1	015.0	OTE.P	075.0	012.6		009.1										008 - 8
Ĭ.	19	016.8	017.2	017-7	018.2	018.0	010-3	019.9	000.1	000-1	000-2	000-2	020 - 7												018-0	
1	20	017.2	017.0	016.8	016.7	016.7	016.7	016.5	016.4	016-1	016.0	015-9	015-8			015.2										016-0
ļ					'					-	J-20 U	020	-	1			020	1020	-	1020 0	020				1029	1 1
	21	015-9	015.8	015.7	015-8	016-0	016 - 3	016 · 8	017-3	017-4	017-6	017-8	018-0	017.9	018-0	017-8	017-8	017-8	017.8	017.9	018-1	018 - 5	018-8	018-7	018-6	017-4
	22	018.7	018 • 6	018 - 4	018.5	018.5	018.7	018 • 6	018 - 5	018.3	018-4	018.3	018 - 2	017.8												018-0
	23	018.3	018 • 4	018.3	018.5	018-6	018 . 8	018.9	019 - 1	019.0	018-9	018-9	018-7			018-1										018-3
- 1	24	017.0	016.6	016.0	015-9	015.7	015 • 4	015 .2	014.9	014.7	014 - 3	013-8	013.4			011.8										013-4
	25	010.1	009 • 7	009-3	009.2	009 • 4	009 • 4	009 • 5	009 • 5	009-2	009.1	008-9	008-0	008.1	9-800	009-2	8-800	009-1	009-1	009-3	009-8	010.5	010-6	010-8	010.8	009-4
	26		033.0	١,,,,									1			l	L			l						١
	27	011-0	015-0	071.1	011.8	018-1	OTE . B	013·1 017·4	013.6	014.1	014.5	014.5	014.6	019.6		014 - 7										013·8 019·2
	20	024 - 5	025-1	025-0	025.7	028.4	027-1	027-9	027.1	010.5	028.7	008.8	018.7	018.6	018.8	028 - 8	020.1	020-2	020-8	021.1	021.8	023.0	023.2	024-1	024.6	027-9
]	29							027-9								023-4										025.7
J.	30	021.9	021.0	020-5	020-1	019-9	019.7	019.2	019-6	019-5	019-1	018 - 4	018-0			017.3										018 - 6
•					]							-														
						L	L						<u> </u>		<u> </u>	L		<u> </u>	Ĺ			L	L			
Mean		1012	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012
	n Level)	•14									-32	•26		•05			•65		-65		.01	•35		•46		•06
			<b></b>		ļ				<u> </u>						<u> </u>	-		$\vdash =$	<u> </u>				$\vdash =$		-	
Mean		1013	1013	1013			1013		1013	1013	1013	1013	1013	1013	1013		1012	1012	1012	1013	1013	1013		1013	1013	1013
(Sea Le	vel)	•40	-22	-05	.02	.21							•40	·28	•14	-99	-88	-82	-89	-07	•25	•60	-63	<u>.72</u>	-63	-30
	Hour	,				-	•			_			T	T	1.4	1,5	30	1.5	1.0	130	20		-			<b></b>
G	. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
					<u> </u>			ــــــــــــــــــــــــــــــــــــــ					L	<u> </u>	<u> </u>	<u></u>			<u> </u>	L	<u> </u>	Ь				

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

447. KRW ORSERVATORY: H. (height of barometer cistern above M.S.L.) = 10.4 metres

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(	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	*
<b>A</b>	Day	mb	mb	<b>m</b> b	mb	mb	mb	æb	mb	шò	шb	mb	mb	mb	mb	mb da	шb	mb	mb	mb	mb	жb	mb	ab	æb	L
	1	015.3	015 - 1	014.5	013.9	013-9	013-6	013.8	013.6	013.2	012.9	012.4	012-1	011.6												
	2	010-0	010.2	010.8	011.4	012.1	013-0	013.9	014.7	015.1	015.7	016.2	016.7	016.9												
- 1	3	022-1	022 • 2	022 - 2	022 - 3	022 • 6	023-2	023.8	024.0	023.8	024 • 0	024 • 2	024 • 2			024-0										
	4	023-6	023-1	022-6	022.6	022 • 7	022-6	022 - 6	022 • 7	022-6	022 - 5	022.6	022 • 4			022-6										
	5	023-1	023-0	022-8	022.6	022.6	022-4	022 • 2	022-3	022 • 2	021.9	021-1	020-9	020-6	019-9	019-6	019-6	019-2	019-2	019-2	019-2	019.3	019.9	020:1	020.2	ľ
-	6	020 • 5	020 • 6	020-6	020 • 7	020-9	021.0	021 · 3	021.5	021-4	021.2	021 · 3	021.5	021.3	021 · 3	021.3	021-1	021.0	021-0	021.0	021.0	021.8	022.0	022 - 2	022.3	1
	7	022 • 2	022 • 1	022 • 1	022.2	022.5	022.5	022 • 7	023.0	023.0	022.8	023.0	053.0	023-0	022 • 9	023-0	022-8	022.9	022.8	022.9	023.1	023-8	023.9	024.2	024.1	19
1	8	024 • 0	023-8	023-7	023.7	023.7	023-7	023.7	023.7	023-4	023-1	022-6	022 • 4	021.8	021.5	021.0	020 · 3	020-0	019-9	019.8	019.8	020.5	020 · 1	050.1	018.8	Ľ
- 1	9	019.5	019-0	018 • 8	018.8	018.8	018.8	018 • 7	018.5	018 • 1	018.0	017.8	017-4	017.1	016 . 7	016-6	016 - 2	015.9	015.9	016.1	016.7	017.1	017.1	014.1	014.1	1
- }	10	017-2	017.3	017-2	017-2	017-2	017.3	017-6	017-7	017-8	017 · 7	017.5	017.5	017-4	017-3	017-2	017-2	017-2	017.3	017.7	018.0	018.4	018.4	018.0	019.1	ľ
	11	019-2	019-3	019-4	019-6	019.8	019-9	020 - 3	020-4	020 - 5	020 - 6	020-6	020-6	020-4	020 • 3	020 · 3	020-1	019.9	020 • 1	020-5	020 - 7	021.5	021.2	021 -4	021.4	k
1	12	021.2	021-0	021-4	021.1	021.1	021.1	021 · 1	021.0	021.1	020 4	020 • 4	020 • 4	019.9	019.7	019.3	019.5	018.1	019.5	018.8	018.8	019.9	020.4	020.6	020.3	Ľ
<u>_</u>	13	020-3	020 • 4	020 · 3	019.9	019.7	020 - 2	020 - 3	020-4	020.5	020 • 5	020.5	020 • 1	019.9	019.9	019.6	019.5	018.3	018.5	019.7	020.4	020.6	020.9	OSTA	051.0	Ľ
Level-	14	020-7	020-6	020-6	020.5	020 • 5	020-6	020 • 6	020-5	020.5	020-1	019.9	019 • 4	019.2	019.5	019.1	018.0	018.8	018.8	078.0	018.6	020.7	021.3	021.4	03.0.0	13
	15		1 1							1	ŀ	ı		021.3			!						1		1	1
Station	16	018.9	018.9	018-9	019-0	019.0	019-1	019-0	019-1	019.0	018-7	018.5	018.5	018 · 3	017.7	017-2	016 - 7	016-6	016.7	016.8	016.9	017.3	017.5	017-6	017.1	Ľ
Š	17	016.9	016.9	016-8	016.2	016.2	016.0	015.7	012.3	014.9	014.8	013.8	013.4	013.1	013.0	075.8	078.4	012.0	075.9	012.1	012.0	012.0	076-0	075.5	000.7	П
ļ	18	013.7	013.3	013.0	012.8	012.7	012.5	012.0	011.5	010.8	010.3	009.8	008 • 9	008-6	008.1	007.6	007.8	007.8	007.5	007.6	007.0	007-9	000.1	000	000.7	Ľ
Į.	19	008-5	008+3	008 • 3	008 • 4	008 - 7	008-6	008 - 8	008-6	008 • 3	008 • 4	007.9	007.5	007-4	007.5	007.0	006.7	006.6	000.1	005.7	000.4	000-0	077.0	010.6	003.8	Ľ
	20	003.1	002-5	002-2	001.8	001.6	001.6	001.6	001.3	8.000	000.8	000.•7	001.0	001.2	001.3	001.6	005.8	004.8	008-0	007.8	008.7	010.4	011.3	015.6	012.2	ŀ
	21	014.0	015-0	015-6	016.2	016.9	017-5	018-3	018.5	018-9	019-0	019-3	019.5	019-8	019-8	019-8	019-7	019-8	019-9	020 - 3	020-5	021.1	021 -1	021.7	021.8	1
i	22	021.7	021.6	021.7	021.8	021.9	022.4	053.0	023.4	024.0	024 - 2	024 - 2	024.3	024 • 4	024 - 5	024.6	024.8	024.8	024.3	024.9	024.7	020.2	020.0	020-0	000-0	Ш
- 1	23	025.6	025 - 2	025 • 2	025-2	025-6	025 • 7	025 - 8	025.9	025.6	025.6	025 · 3	025-0	024.2	024 - 1	023.8	053.5	022.8	022.7	022.0	022-7	004-0	024.3	023-0	004.8	E
- [	24	022.8	022.6	022 • 5	022.7	022.7	023.0	023.0	023.5	023.5	023.3	023.1	022.9	022 • 7	022.5	022.5	088.3	022.0	022.7	023.1	023.9	000.5	000.5	000-5	000.5	
- [	25	024.5	024 - 1	024 • 0	023-9	023-9	024 • 0	024-1	024 · 1	024.0	023-8	023.5	022.5			020 - 7				ŀ				i		ı
1	26	020 • 4	020.0	020 • 1	020-3	020-6	021.0	021-1	021.2	021.1	021-1	020 - 9	020-8	020 • 5	020-3	020.3	020.0	019-9	019-8	020 • 0	020-5	020.7	020-8	020 • 8	020 • 9	ı
	27	020-6	020-1	020-0	020.1	019.7	019:6	019.5	019-5	019.0	018-8	018.5	O17·8	017.3	016.6	016.1	015-9	015.8	015.7	015.8	012.5	016.5	1078.1	072.8	10TP.P	
	28	015.5	015 • 4	015 - 1	015.3	015.3	015-6	015-6	016.0	016 • 2	016.0	015.9	015.8	015.5	015.5	1015 • 4	Ю15-1	1015-2	10129-5	1015 • 5	079.8	OTR.R	OTR - P	OTR - R	IOTR . A	1
	29	016-6	016.5	016 • 4	016.6	017-0	017.7	018 • 3	018•7	018.8	018-8	018 • 8	019-0	078.0	018 . 8	019-0	018 - 8	lo18 · 8	078.8	018 . 8	019.1	018.8	050.1	050.2	020.6	L
	30	020-8	021-0	021-0	021-1	021.6	022-0	022 - 2	022.3	022-3	022.1	021.8	021-9	021.8	021-6	021.3	021.2	021-0	021.0	021.0	021.2	021.8	022.3	UZZ · 8	OEE-9	1
$\downarrow$	31	022-9	022-9	022-6	022.7	022 • 7	022-9	023-1	022-9	023-0	023-0	022-7	022-6	022.3	021.8	021-0	020-6	050-0	019·8	019-9	020-1	020-2	020-5	020 - 6	020-6	1
n			1018	1018			1019			1019			1018	1018		1018		1017					1			T
1110	n Level)	95	-83	•78	•79	•91	•07	•23	<u>•28</u>	-22	•11	.91	•76	-56	•35	•15	-98	-93	•95	•15	•42	.83	•04	-23	-20	Ŧ
n .	vel)	1020	1020	1020	1020 •05	1020 •17	1020		1020 •52	1020 •46	1020		1019	1019 •78	1019 •58	1019	1019 •20		1019 •18				1020 •28		1019 •45	

44	8. KEW	OBSER	VATOR	<b>Y:</b> H	b = 1	0•4 n	etres																· A	UGUST	, 193	5
	Day	mb	mb	æb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb.	шb	mb
T	1	020 · 3	020.1	019.7	019.6	019.7	019.7	019.7	019.4	019.2	019.4	019-2	019-0												019-0	
- 1	2	018.9	018.8	018 .8	018.8	018.9	019.3	019.5	019.7	019.8	019.9	019.8	019.8	019.7		019.5										
- 1	3	051.0	020.9	020-7	020.8	051.0	021.3	021.7	021.8	0.220	022.1	022.1	022-1			021.8										
	<b>4</b> 5	023.2	023-1	023.0	023.0	023.0	023.1	023.4	023.8	053.8	023.5	053.3	053.1			022.2										023
		į.	1			1	į						026 -0	025.7	089.6	025-4	028.4	025.3	OSP.T	025.2	025-4	025.9	026.5	026 - 7	026.8	025
- 1	6	026 • 9	027-1	027-3	027-4	027-6	027-9	028 - 2	028 - 6	028 . 7	028 - 6	028-3	028-0			027-4										027-
1	7	026 - 5	026.2	026.0	025-8	025.8	025-9	025 - 8	025 · 7	025 · 3	025-0	024-2	023.8			021.6										
l	8	078.3	017.9	017.3	017.1	017.0	018.8	018 . 6	016.6	016.2	015-6	014.9	014.2	013.9		012-9										
I	9 10	010.3	011.3	011.3	071.5	011.5	078.0	078-3	013.1	013.4	014.0	014.5	014.9	015.5	015.5	015.7	015.7	016.1	016 • 4	017-1	017-6	018.2	018.2	018 .8	019.0	014
	10	l			ļ	020.0							1	018.1	018.4	018-1	078.0	017.7	017.3	017.4	017.7	018.1	078.0	018.0	018-0	019
	11	017.8	017.7	017.3	017-1	016.8	016-9	016 .8	016.3	016.0	015.4	015-1	014-5			012-4										013
	12	008 • 8	008-0	007 - 9	007-4	1007-1	1007-1	007.1	007-0	007-4	007-0	006 • 6	1005 - 8	005.5	005-5	005-4	005-5	006-2	006 - 9	007 - 3	008-0	008 - 6	008-7	009.0	009.0	007
Ve.	13	009 • 1	009.3	009-8	010 0	010.8	011.3	011.7	018.0	012.2	012.5	012.3	012-1	012.3	012.7	012.7	012.7	012.9	013.0	013-2	014-1	014-6	014.6	014.7	014.9	012.
Level-	14	015-1	015 - 1	015-1	015-4	1015-8	1016•1	1016 • 4	1016 • 41	018-6	1016 - 7	016-9	1016 - 9	1017-0	017.1	017.3	017.3	017-4	017.5	017-7	018-1	018.4	018.9	019.1	019.2	016.
5	15	019.1	019.2	019-2	019-2	019.4	020-0	020-3	020 • 7	020 · 8	020-8	020.7	020-6	020-3	020 - 2	020-2	050.0	020.0	020.0	020-0	020-1	020 · 3	020-2	020-4	020-5	020
Station	16	020-3	020-2	020-1	020-1	020-3	020-3	020-4	020-6	020 • 5	020-2	020-0	020-0	019-9		019-4										019
$\sigma$	17	019-4	019.3	018-9	018.9	018.7	018.8	018-0	019-0	018.9	018.0	018-2	018-1	017.8	017.6	017.3	017-1	016.7	016.6	016.7	016.9	017.0	017-0	017.1	017-0	018
	18	017-1	017-0	018.9	016.8	016.8	016.9	017.0	017.2	017.3	017.3	017.3	017.2	017-1	017.0	016.7	016 • 5	016.3	016-4	016.5	016 - 8	017.0	017.3	017.3	017-2	017
	19	017.2	017.1	017-2	017.4	017.6	018.0	018.6	019.0	019.1	019.2	019.3	019-2	018.0		018-6										
	20	020.8	021.1	051.0	051.0	021.1	021 • 4	021.6	021.8	021.9	021.8	021.4	021-1	020.7	020 · 3	019.9	019-4	018-9	018-8	019-1	019.2	019-0	018.8	018-7	018.4	020
	21	018-0	017-6	017-0	016.4	016.1	016 - 1	015.8	015.7	015.3	015-1	014-6	014.0	013-5	013.2	012.9	012 • 9	013-1	013-2	013-2	013-6	013.7	013.3	013-3	013-2	014
- 1	22	013.1	012.9	012-6	012.1	012.1	012.1	012.0	012-0	012.1	012.0	011 - 4	011 • 1	010.7	010.3	010-3	010.3	010.2	010.3	010-4	Q10·5	010.8	011.0	010.8	010.7	011.
	23	010.6	010.5	010 • 1	010.1	009-8	010-2	009 - 9	009-8	009.5	009 • 8	009 - 5	009-5			009.0										008.
	24	009.1	009.0	008 - 2	007.9	007.8	008 • 1	008 - 3	008-0	007-4	007-1	007-1	007-0			006.8										008
	25	013.3	013.3	013.3	013.4	014.0	014.4	015.0	015-4	015.6	015.7	015-6	015 • 6	015.5	015-4	015.3	015-1	014-9	014.9	015-1	015-0	015-2	015.0	014.3	014.0	014
	26	013.8	013-2	012.3	012.1	011.8	011.7	011.8	011.3	011 - 4	011.0	010-2	009-4	009-0	008-0	007-0	006-2	005-7	005-3	004-9	004-3	003.6	002 - 7	001-9	001.0	008
- 1	27	999 • 7	998 • 7	997.5	997.1	996 • 8	996 - 9	997-2	997.5	997-8	998 • 0	998-1	998 - 2	998 • 2												998
	28	997-8	997 • 7	997 • 3	997-1	997-0	997.1	997-3	997 • 7	997-6	997 • 4	997-4	997 - 3			997-1										997
4	29	000.7	001.0	001.3	001.8	002.1	008.3	002.7	003-0	003-4	003.3	003.5	003.9			004 - 8										004
1	30										ŀ		009.9	009.5	009-6	008 • 7	007-4	005-3	003-8	003-7	004-1	004 • 4	004.9	005 • 4	005-6	008
<u> </u>	31	005-6	005 • 5	005 • 4	005-4	005-4	005 • 5	005-8	006 • 4	8-900	007-2	007-6	007-7	008-1	008 • 5	009-0	009 • 3	009 • 3	009-7	010-4	010-8	011.2	011.7	011.9	012.0	008
<b>Me</b> an		1015	1014	1014		1014			1015				1014					1013	1013		1014	1014		1	1014	1014
Station	Level)	•01	•90	•71	•65	•72	•92	•11	.23	<u>·27</u>	•17	•02	-82	•64	•43	•25	•03	-92	-85	•11	•46	•76	•84	-89	-84	'
Mean		1016	1016	1015	1015	1015	1016	1016		1016	1016	1016	1016			1015			1015	1015	1015	1016		1016	1016	101
Sea Lev	rel)	-27	•16	•97	•91	•98	•18	•36	•48	<u>·51</u>	•41	•25	•05	•86	•65	•47	•25	:14	•14	•34	•70	•01	•09	•14	•09	
	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14,	15	16	17	18	19	20	21	22	23	24	Mean

449. KEW OBSERVATORY: Ho (height of barometer cistern above M.S.L.) = 10.4 metres

SEPTEMBER, 1935

G	Mour . M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	*
_	Day	mb	mb	mb	æb	mb	mb	mb	mb	mb	mb	mb	æb	mb	mb	≡b	≡b	æb	mb	mb	æb	mb	шb	mb	mb	1
Т	1	018-1	012-1	012-0	018-0	012.0	012-2	012.5	012-5	012.2	012-1	011-6	010.4	009-8	8.800	008 · 2	007.5	007-1	006 • 5	005 • 8	005-4	004-9	005-0	004.2	004:3	100
- 1	2	004 · 3	004 - 9	005-5	005 - 9	006.1	006-6	007-2	007-8	008 • 4	008 - 6	008.0	009 • 1	009 • 4	009-4	009-6	010 • 7	010.7	011.0	011.4	012.1	012.5	012.2	012.7	015.8	0
1	3	012.7	012-6	012.6	012.6	012.3	012-6	012.2	012.6	9.310	012.7	018.5	011.8	011-5	011.1	010.8	010.5	010.4	010 • 1	010.3	010.3	010.8	010.3	010.0	009.8	0
	4	009 · 1	008-6	007-8	007-4	1007.0	006 • 5	006 • 7	006-5	006 · 3	005-8	008.0	006.0	006-0	006.0	008.2	006 • 2	006-8	007·2	007.8	008 - 5	009.2	008-8	009.7	009.8	16
	5	008.8	009-9	010-0	010.5	010.0	010.0	070-0	010 · S	010.3	010.5	010.5	010.5	010.1	009-9	009-8	009 • 7	008-8	009-4	009-4	009-4	008.T	1008-7	000-4	006:5	1
- 1	6	008-9	009 - 5	010-4	011-2	012-0	013-2	014-5	015-5	016-4	017-1	017-3	017-в	018-0	018-1	018.3	018-5	018-8	019-1	019-6	020-2	020-6	020-9	021-1	021-4	1
	7	021 • 4	021 .4	021 • 3	021 - 3	021 • 3	021.7	022 - 2	022 • 2	022 • 3	022 - 2	022 - 1	021.9	021.6	021 • 2	020-9	8.020	020 · 8	020-8	021-0	021-4	021.9	022-2	022-4	022 - 6	
1	8	022 - 7	022 - 5	022 - 2	022 • 2	022 - 4	022 - 7	023-2	023 • 3	023-4	023-2	023-0	022 • 5	022-0	021 • 7	021-4	021-1	020 • 8	020-8	020 - 9	021 • 3	021-2	021 • 2	021.0	020-8	
1	9	020 - 5	020 - 1	020-1	019 - 7	019-8	019-9	020-0	020 - 1	020 - 8	021.0	020.7	020 - 5	020-4	020-3	020-4	020 - 5	020-8	021-0	021.5	022-1	022-6	023-0	023-2	023-4	10
	10	023-3	023-4	023-3	023-4	023-7	024-1	024.3	024 - 4	024 - 7	024 - 4	024.1	023-7	023-5	023.2	023.1	022.7	022.2	022-2	022 - 4	022-3	022.3	021.8	021.0	020-3	1
- 1					1	l						ĺ		ĺ										1	l	1
- 1	11	018.8	019.0	018-6	018.3	018.0	017.7	017.5	017.1	016.8	016.3	015.6	014.8	014.2	013.5	013.0	015.8	075.0	011.8	OTT - R	071.8	000-0	011.1	010.4	009-7	
1	12	009.5	008 - 8	008 - 2	008.0	008.0	008-0	008.0	007.7	007-7	007-4	007.2	006.9	8.800	008.6	007.0	007.0	007.01	007.1	010.3	007-7	070-5	012.2	012.2	01242	ı
Ą	13 14	007.2	007.2	007.2	007.8	007.3	007-4	007.4	000.3	008.9	009.8	0.00	010.3	010·8 009·3	011.0	011.3	27.5	011.3	011.7	012.1	012.4	012.0	015.5	012-3	011.8	П
Level-	15	011.8	010.3	070.2	070.1	070.0	003.3	005-0	004.0	2008-2	003.7	000.1	008.1	998 • 2	007.7	008-0	010.0	010.3	907-0	007.0	000.6	999.9	000.5	000-1	000.5	L
	٠	011-2	010.3	009.3	000.2	1007.2	000.3	005.2	W\$-0	002-8	001.2	999.0	980.0	880.5	991-1	880.8	990.0	220.0	001-0	351.5	550-0	303 2	888 0	000 1	000 2	ı
Station	16	000-3	000 • 4	000 - 3	000 - 2	000-3	000-3	000-8	000-8	001.1	001-4	001.7	001-4	001.3	000 • 4	999-5	998 • 8	996.6	995 - 3	993-2	991.3	988 - 3	985 - 6	984 - 9	983-9	ı
ţ	17	982 - 3	981.1	980 - 3	980 . 2	980 - 7	982 • 0	983-4	985 . 8	987.9	989 . 3	990.8	992 • 0	993.5	994 - 5	995 - 7	996 • 5	997.5	998 • 8	000 - 2	001.1	001.3	001·6	002 . 2	002.7	13
Ŋ	18	003.0	003-2	003.3	003-6	004 . 2	004 - 9	006.0	006 - 4	007.5	007.9	008 • 9	009 - 3	009-5	009-9	009-9	009-5	010-0	010-2	010.3	010-4	010-1	009 • 4	008-3	007.4	10
	19	005 - 5	003.9	001-6	000 - 2	999 - 4	999-0	999:1	999.1	999 - 4	999-5	000-3	000 - 5	001.4	001.9	003-2	004.2	005-0	006 • 1	007.5	008-7	009-6	010.3	010.8	010.9	Н
- 1	20	011-2	011.6	012-1	011.8	011.9	012-2	012.1	012-3	013.2	013.7	014.2	015-0	015-1	015-4	016-0	016-5	017-3	018 • 5	019-2	020-3	020-8	021-4	021.5	021.9	Ľ
	21	000.3	<b>099.</b> 3	000.0	000.0	099.9	000.1	099.0	001.8	091.2	091.9	091.0	020+4	019-5	018-4	017.6	03.7.0	018-3	015-8	015.2	014-8	013-5	012.9	012-3	010-9	L
- 1	22	000.2	007.5	008.0	005.1	004.3	003.8	004.2	004.3	005.0	005.0	008.1	000.3	007-5	008 - 3	008.7	000.0	010.3	010.8	010.9	011.3	011.6	011.6	011.9	012.2	L
- 1	23	012.5	012-8	012-8	013.3	013.7	014.4	015-2	016.0	018.4	017-0	017-1	017.2	017-2	018.9	016.8	018.8	016-8	017-1	017-7	018.3	018 - 6	018 - 5	018 - 3	018-0	Ы
	24	017.9	017.1	016-8	016.3	015-6	015-3	015.2	014 - 7	013-8	012.7	011.9	011.1	010-1	008 - 5	006.6	004 • 6	003.0	001.7	001.0	000-4	000 - 5	000 - 5	000 • 9	001-6	١
- (	25	002.3	003-7	004 - 6	006.0	007-1	009-0	01.0 -4	011.9	013-1	013-6	014.3	015.0	015-2	015-6	015.8	015.9	016.3	016-8	017.5	017.7	017-8	018.3	018.5	018-7	ı
-		-													i		l									۱
ĺ	26	018 . 8	018-6	018 . 6	018.7	019.5	019-4	019.6	019.6	019.7	019.2	019.3	018-8	018 • 4	018.0	017.5	016.5	016.3	016.0	015.6	015.7	015 -4	014 • 4	013.6	013.0	L
	27	012.5	011.3	010.9	010.2	010.2	010.6	010-6	011.1	011.6	011.8	011.6	011.8	011.5	011.3	011.4	011.4	011.9	015.5	015.3	015.6	012.7	012.7	012.4	075.5	Ľ
ĺ	28	015.0	011.3	010.8	010.5	008.8	010.0	070.0	009.9	009-6	009-4	008.T	008 • 4	008.0	007.3	007.0	007.0	000.9	007.2	007.2	007.9	007.9	007.6	007-4	007-7	L
-1.	29	007-9	007.8	007.7	007.5	007.8	007.8	007.9	008 -0	007 4	008-4	008-4	009-4	010·3 002·4	010.2	070.9	011.0	011.1	011.5	011.2	000.2	010.9	010.5	009.3	000-3	L
¥	30	007.6	000:2	004.0	003.0	002.7	001.8	001.5	000.6	001-1	00%.1	002.1	002·2	00%.4	005-0	002.8	002.0	002.4	002.0	002-7	WZ-1	WZ-1	002-4	002-1	OOL	۱
																										l
n		1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1010	T
tion	Level)	- 98	-68	-39			- 38	-62	•79	•05			•07	•08	•93			•74	-88	-09		• 33	•17	•01	∙85	ı
n		1012	1011	1011	1011	1011	2022	1011	1012	1018	1012	1012	1012	1012	1012	1012	1012	1011	1012	1012	1012	1012	1012	1012	1012	t
Leve	-11	.24												• 32												

450.	KEW	OBSERVATORY:	$H_{\mathbf{b}}$	=	10.4	metres
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OCTOBER, 1935

<b>↑</b>	Day 1	mb 001·3	mb 000-7	mb	mb 999•8	mb 999 • 7	mb 999 - 5	mb 999-1	mb 998 • 7	mb 998 ⋅ 8	mb 998 · 2	mb 998 • 2	mb 997⋅6	mb 997∙1	mb 996 · 8	mb 996 • 4	mb 996 • 4	mb 996 • 5	mb 996 • 7	mb -	mb 997-6	mb 998 · 2	mb 998 · 3	mb 998 • 5	mb 998 • 7	ا
- 1	2	998 .8	998 - 5	998 • 6	998 - 8	999-0	999 - 2	999 - 2	998 - 9	998 - 2	997.8	997.0	995 - 8	994.9	993.9	992.4	990 - 9	989.8	988 . 2	988 - 3	984 - 3	983-5	983.9	982.4	982.0	9
	3	981-9	981 - 4	981-8	981.7	982 -0	982 - 1	982 - 6	983-1	983.4	984 . 2	984 - 3	984 • 4	984.8	984.9	985.0	985.0	085.2	085.3	985.8	985.9	985.9	986.0	988.1	988.0	١٥
- 1	ă.	986 • 0	985 - 6	985 - 4	985 - 3	985 - 1	985 - 1	985 - 7	986-1	988.5	988.5	987-1	987-1	987-2	987.9	988.9	088.0	087.1	087.4	087.4	087.8	087.4	087.5	087.4	007.2	5
- {	5	987-4	987-4	987-4	987-9	988 - 2	988 · 7	989-6	990-6	991.3	992.1	992 • 4	992.8	993.1	993.8	994.3	995 • 0	995-8	996 • 4	997.1	997 - 7	998 - 2	998 - 8	999 1	999.9	٤
- }	6	999-4	999-6	000-1	000-3	000-9	001.8	002.2	003-2	003-5	003-9	004 - 5	005-0	005-1	005 • 4	005-7	006-2	006.6	007-4	007-9	008-3	008-9	009-1	009-5	009-9	١,
- 1	7	010.5	011.6	011-8	011.5	1011-3	012.0	012 • 4	012.9	013-2	013·3	013.5	1013.3	013-2	1013-0	012.7	012.6	012.8	013-2	013-5	013-6	013-9	013.4	012 . 9	012.4	10
- 1	8	077.8	011.0	1010-0	009-0	1008-2	1007•4	1006 - 8	1006 • 3	l005∙8	005 - 5	005 • 1	004 • 4	003-8	1003-9	1004 • 4	1004 - 9	005 • 6	1006 • 3	l007•1	008-2	008-3	1008-5	008 - 5	008 - 5	10
- 1	9	1008 • 5	008⋅4	008 - 3	I 008 • 4	008 • 4	1008-2	1008-3	1008-6	8 - 800	1008 - 2	007-7	1007-3	005-9	1005 • 7	004 - 3	003-4	001-8	0000-3	998 • 3	997-1	996 - 2	996 - 2	995-4	995 - 1	10
-	10	993-9	992 • 4	992-3	991-3	989-9	990 • 0	991.0	992 - 9	995.8	997-8	999 - 4	001.0	002.3	003-3	004.8	005 - 7	006 - 7	008-1	009.0	009-6	010.3	010-5	010 -8	011.0	1
	11	011.5	011.3	011-2	011-2	011-4	011-8	012-0	012-1	012.8	013-1	013-0	013-1	013-0	013-1	013-1	013-2	013-4	014.0	014.3	014-7	015-6	015-9	016 - 3	016-7	١
7	12	017.0	017.8	018-0	018.4	1019.4	020.3	021.1	022.1	022 -8	1023.1	023.5	023-6	023.8	023.7	023.7	023-9	024 • 5	025 • 4	025-6	026.0	026.2	026-4	026 -4	026.5	ŀ
Š	13	026.6	026 • 4	026 • 4	026-4	026-4	026 - 4	026 • 6	027.1	027.1	026 • 7	026 - 6	026 • 4	025.8	025 • 4	025 0	024 • 9	024.4	024 - 7	024 . 7	024 - 7	024 - 7	024-5	024 - 4	024.1	1
ڌ	14	023.8	023.7	1023-6	1023-5	1023-4	1023-4	1023-7	024 • 1	024 • 6	024 • 7	024 - 6	024 · B	024 • 6	1024 - 5	024 - 6	024 • 5	024 - 6	M24 • R	095.9	1025.4	1025-8	095.8	095 .4	1098 · 4	17
6	15	025.2	U25·3	025.1	024.8	024.7	024 • 7	024.8	025-1	025-1	025 · 2	025-2	025 · 2	025 • 0	024.8	024.6	024 - 5	024-6	024 • 7	024 - 7	024 - 7	024.7	024 - 6	024 - 4	024-5	ľ
ati	16	024.5	024 - 4	024 - 3	024-1	023-6	023-9	024-3	024-6	025.0	025 - 2	025-3	025 - 7	024-4	024 - 2	024 - 2	024 - 3	024 - 2	024 - 3	024 -4	025 - 3	025-2	025-5	025 - 7	026-4	L
Ķ	17	026.9	027-1	026 • 7	1026-5	1026-8	1026-9	1027-1	l027·1	027 • 2	1027-1	026 - 5	1025 • 8	025-1	024 • 7	1024 - 8	1024 • 4	023-9	053.0	1023.7	1053.8	U63.8	1023.8	023.8	093.5	10
- 1	18	023.5	023-1	023-2	023.5	023-9	024.3	024-5	1025-2	025-7	1025 - 8	025 • 5	1025 • 3	024 - 2	023-2	022 • 2	021 • 0	1019-8	b18·2	017-5	016.2	015-2	013-3	011 - 5	000-0	10
- ]	19	1007.8	005 • 4	004-0	1 002 - 5	1002-1	1002-4	1002-4	1002-0	1002-1	1001.7	001-2	1000-4	999 • 7	999-1	998-6	998 - 7	1999 • 3	999-5	999-3	2-200	999.5	999-8	999-5	laaa.a	10
	20	000-2	000-4	000-5	000-8	001-4	002.0	002-9	003-9	005.0	005-9	006 • 7	007-4	008-1	008-4	008-9	009 • 4	010-3	011.5	011.9	012-6	013-4	013-6	013-6	013.7	1
-	21	013.7	013-6	013-5	013-5	013-6	013-5	014.3	014-4	014.5	014-6	014-4	014.0	013-6	013-1	012.8	012-6	012-6	012-6	012-6	012.2	011-8	011-1	010 - 2	010-1	l
- 1	22	009 • 4	009-2	008 - 8	009.0	009-4	009 • 5	010-0	010-4	010.8	010-9	011-1	011.1	010-9	010 • 7	010.7	010-7	011.2	011-5	011.8	012.0	012.2	012-2	012.1	011-9	l
- [	23	011.2	011 • 3	011-0	011.0	1010-8	010-6	1010-9	1011-0	011.2	1010 - 7	010-5	1009 • 7	009-4	1-009	1008 • 4	008 - 2	008 - 2	008 • 1	007-7	007-7	007.4	i വവരം വ	008-8	loog • E	l
- 1	24	006-4	006 • 4	008 - 3	006 • 3	006-3	006 • 5	007-1	007-6	008 · 3	008-5	008.3	009.1	009-4	009-8	010-3	010-6	011.3	011.8	012.4	012.4	012.5	012.5	012.5	012.5	10
	25	012.6	012.6	012-6	012-8	013-1	013.3	014.0	014-4	014.9	015.2	015 · 3	015.3	015.4	015.7	016.1	016 • 5	017-1	017-8	018-6	019-0	019.5	019-9	020-4	020-5	١
-	26	021-0	021.3	021.5	021-7	022-4	022.5	022-8	023-1	023.3	023.2	023-2	022-8	022-6	021.6	021.1	021.1	020-9	020-9	020 • 8	020 - 5	020 - 2	020-0	019-3	018-6	١
- 1	27	078.0	017.8	017-1	016.7	016.7	016-7	017.1	016.6	016.7	016.5	015.8	015.0	013.7	013.4	013.2	012.7	012.7	012.5	011.2	011-4	011.5	011.0	010.2	010-1	ŀ
	28	1010.1	OTO - S	010.1	1010.1	010.5	010-8	011.7	012.8	013.9	014.5	015.2	015.4	015.6	018.0	016.3	016 • 4	016.6	017.0	017.0	016-8	016.9	016-5	016 - 3	015.5	ľ
	29	010.5	015.1	014.5	014 - 5	013.7	013.4	013.1	012.5	012.4	011.5	010-5	008 • 9	007-5	006 • 7	006 - 2	006 • 2	006·8	008-6	010.5	011.0	011.5	012-0	012.5	012.2	ľ
-	30						l .	ſ	1	i	}			003-7	1	J	l .				•		1	ı		1
<u> </u>	31				-			<del> </del>						994 • 7		993.5	993-6	994 · 3								•
n tion	Level)	1009	1009 •24	1009	1008 •96		1009 •09		1009 •77	1010 -10		1010 •15	1009	1009 •59	1009				1009 •49	1009	1009 •71	1009		1009 •65	1009	ľ
n		1010	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	1010	1010	t
Leve	1)	•67				•23		•74	•04	•37		•41	-20	•85	-68	•49	•43	•55	•77	•85	-98	•09	•05	.35	.86	Ľ
	Hour M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	١,

PRESSURE Readings in millibars at exact hours, Greenwich Mean Time

451. KEW OBSERVATORY: Ho (height of barometer cistern above M.S.L.) = 10.4 metres

NOVEMBER, 1935

Hour G. M.	. 1	2	3	4	5	6.	7 .	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	1
↑ Day	mb	mb	mb	mb .	mb	mb	mb	mb	mb	mb	mb	na þ	mb	шb	mb	mb	mb	mb	mb	mb	mb	mb .	mb	mb	0
1	002-6	003-0	002.9	002.5	002 · 3	001.8	001.3	001.3	001.6	002-1	003.3	003-9	005 · 3	006 • 5	007.9	008 • 9	010.1	011.5	011.8	015.6	013.3	013.0	013.4	013.4	١×
2	1010.5	ח-פות ומ	030.4	0.11.0	A11.5	A11.6	011.01	A11.0	012.3	1012.71	012.5	1012-5	012.7	1012 · B	1012-9	1013-0	O13 4	IOT3 · R	10T4 - 2	0.510	OT4 . D	IOTE O	OT# .#	10T# .#	3 U.
3	034.3	10724	1012-0	070-5	1010.1	\A11.2	211.0	010 • E	010.0	1000	1008 • E	1007-6	1007·2	1006 • 4	1005 • 5	1005 • 2	1005+0	1004 • 6	1004.5	1004 - 2	1003-7	1003.7	1002.0	1003.0	10
1 4	000.0	1 000.0	1 000 - 6	000.0	000.5	000.4	000.3	001.8	001.6	1001.8	UUU • 3	ACCOUNT	999.5	1999-6	1999 • 3	1999-2	1999 • 1	1999 • 3	1999 • 3	1999 • 3	1999 • 21	1999.2	3.666	1999.2	10
5	999 - 3	999 - 3	999 - 3	999.4	999-6	000-0	999-5	999-8	000.0	000.3	000 • 3	000-3	000.3	000-1	000-3	000-4	8 • 000	001-2	001.5	002-1	002.7	003-4	004.3	004 • 8	l°
6	005 - 3	005 - 7	006-1	006-6	006 • 8	007.3	007-6	008-1	008-3	008 · 3	008 • 1	007-6	007-1	007-0	006-6	006-6	006-8	006-9	007-3	007-4	007-4	007-5	007.3	006-9	9
7	1000.4	i nne . n	1 005.0	1005.0	004.6	002.0	002.4	000.0	A02.1	1001.01	999.5	QQR.1	QQA - A	1994 .6	1992 • 5	1990 • 6	988 • 9	1988 • 5	1988 • 8	989 • 4	1 3 3 T • T	1992-5	1993.4	1994.4	
l å	995.0	1 005 . 4	005.7	006.0	006.2	206.6	008.0	997.4	997.7	i qar •ni	1998-1	1997•8	997•7	1997 • 5	1997•4	1997 • 4	997 - 3	1997•L	1997.0	330.3	330.0	יס ספפן	320.5	1224.2	
9	004.5	002.0	1000-0	000.7	000-5	000.0	001.6	001.2	990 · F	1007.1	201.0	1002-4	002.5	1909•7	1993•3	1993-9	1994 • 7	1995 • 5	995.7	390.2	996.5	1996.3	1.066	ביושעו	
10	007.6	000.3	000.5	000.3	000.0	000.0	000.9	000 - 3	000.8	001.2	001 - 7	001.9	002.1	002-5	003-2	003.7	004 - 5	005-1	005-6	005 • 9	006 • 3	006 • 5	006 • 7	007-1	.10
10	1	1	1												l .			l .	1				1	•	•
11	007-3	007-4	007-4	007-4	007-8	007.8	008 • 5	008 - 9	8.800	008+9	008 • 9	008 - 7	008 • 3	008.0	007.7	007-5	007-0	006 • 7	006.0	005 - 2	004 • 4	003.3	002.4	001.3	1
. 12	000.0	1 000 .0	1007.0	0.00.0	0.00	007.7	000.0	000-1	000.0	001.6	000.2	000.6	2.000	1003.1	1003-6	1003-7	1004 • 4 I	1004 - 6	1004 • 8	004-9	1005-01	004 • 6	1004.0	1004.3	
ਹ 13	1004-5	オーヘヘコ・ド	1000-6	1 001 .0	001.0	001 - 1	000.8	000 - K	000.5	1000-61	יפי ותחו	ເດດາ •ດ	1000 • 7	1001 • 2	1001 • 5	1002•1	1003+31	1004 • 2	1005-2	0.00	1000	1007.0	1000.0	1000-1	
e 13 14	000.5	d nna.s	000.7	000.7	വരംഭ	000.5	000.5	000 - 5	2.000	1000-6	009.6	1009 • 5	008-9	1008+6	1008 • 5	l008 • 5	1008∙5∣	1008-1	1008-0	1008 - 1	1008 • 0	1008-0	1007.8	1007.6	
	007-1	006-6	006-2	005-4	005 • 1	004.3	003.5	002 • 7	002-4	002-4	002-1	001.1	000-7	000-7	001.4	002-1	002-3	002-6	002-6	002-6	003-2	003-2	003-4	1003∙2	ľ
16 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	002-9	002-6	002-2	001.9	002-1	001.5	001.9	001.8	001.7	001-6	001.5	001-0	000 • 4	000-2	999 • 5	999-0	997-9	997 • 3	996-9	995-9	994-8	993-9	992-9	990-6	1
ž 17	988.6	1 QA7.9	1 മെമം വ	084.5	083.9	982.5	981.7	981 - 3	980.4	979 - 8	979.3	979-3	979 - 2	1979 • 9	981.4	1982 • 3	1983•4	1984 • 4	985 • 4	986 2	1987.01	987.5	868.2	989.4	13
1 18	000.5	oon.g	001.0	001.4	009.9	993.0	003.0	994 . 4	995.9	995-8	aga . A	1997-2	997.4	IGGR • O	1998 • 6	1999-1	1999 • 9 1	10000+4	1001 • 4	007 •8	1002-41	1002-6	003.0	1003.4	11
19	003.6	004.0	004.1	004.4	004.6	004.7	004.7	004 -6	005.0	004.6	004.0	003.4	002.9	002-1	001 • 5	000-6	000-6	000 - 4	000 - 5	000 • 3	000-1	999 - 7	999.6	999 -4	10
20	999-3	998 · 8	998 - 5	998 • 4	998 - 2	998 3	998 • 5	998 • 6	998 • 5	998 • 5	998 · 3	998 • 0	997.0	996 • 6	996 • 7	996 • 6	996 • 5	996 • 5	996 • 4	996 • 5	996 • 6	997-0	997 - 2	997-9	1
21	007-9		000.4	002.0	001.0	000.0	002.7	003.5	003.6	004.4	004.0	004.7	004 • 6	004-6	004.8	005-2	005-4	005-6	006-1	006-4	006-8	007-1	007-5	007-9	L
	987	000-0	000-4	001-0	000-4	002.2	002 1	000.7	000.6	000.0	010.1	010-0	009.9	002.8	010.0	010.2	030.5	010-7	011-1	011.2	011.2	011.5	011.6	011 - 7	1
22	008.0	1 001.0	000	000.2	000.4	000.0	000.0	009-1	009.6	010.8	010-2	010-0	012.5	010-5	010-5	010.8	010.8	012.9	013.7	014.2	014.5	074.9	015.4	015-3	1
23	011.	J 011.0	011.0	011.0	011.4	011.1	011.8	015.4	OTE-4	012.0	012.7	016.7	018.5	012.0	012.0	010.0	010.4	010-0	000.0	020.5	090.7	091.9	027 .4	021 .5	П
24	019.4	012.5	012.9	072.6	072.8	076.9	076.4	017.3	013.8	078.5	079.9	019.9	070.9	070.4	010.1	010.8	019.4	019.9	020.2	000-0	000-0	030.7	030.4	010.0	. 1
25		h .	l l	1	1	1	i		l			ı	021.6	l.	l			ľ				1	l	1	
26	018-6	sl 018 • 3	017-4	016.6	016-4	016-3	016.0	015 - 7	015-2	015.0	015 - 3	014.9	013-8	013.8	013.7	013.8	013-9	013-8	014.1	014.6	014 - 8	014.6	014.7	014 • 6	4
27	014.4	SI 014 • 5	1 074 - 5	OTA.E	014.7	014.6	1014.0	015.6	1016-1	016.2	1018-3	เกาสงา	015-6	015-6	1015-7	1015-7	1015-6	1015-5	1015-5	015-1	014 - 1	013.2	101% - 2	10TT-0	
28	010-	1 009 0	007.2	006-1	005 - 3	004 - 4	003.8	003-4	002 . 9	002 - 5	001.8	001.0	999.9	1999 • 7	1000-2	1001-1	1001-6	1002 • 4	002.9	003-6	004-1	004 - 5	1002-3	005.4	
29	005.1	7 006.0	1 007 • 5	007.4	1007.7	007.0	റവഴംവ	OOR • A	1008.5	1000-3	009.2	1008-8	008-3	1008+1	1007-4	1007 • 4	1007 • 3	1007-2	1007.0	1006 • 8	1 006 • 5	1006-6	008.8	1006.7	1
30	008	1 006 - 4	005-0	005.2	004.6	004.0	003.4	003.1	002.4	001.6	001.0	000 • 4	999-2	998 • 0	996.9	995 -8	994 - 3	991.8	988 - 7	985 - 3	982 - 2	982-1	982.2	983.2	1
₩ 30	000	. 000-4	005-3	003-3	004.0	004	003 4	003°±	002.4	002	002 0	000 1	*** -												1
1	1005	1005	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1003	1003	1004	1004	1004	1004	1004	1004	1004	1004	1004	<u> </u>
tion Leve								·61			•72		:11					-28				•55			4
Level)	1006	1006	1006			1005 •79			1005		1005	1005	1005 •37	1005	1005 •25		1005	1005	1005 •67		1005	1005 •82			T

452.	KEW	OBSERVATORY:	$H_{\mathbf{b}}$	Ξ	10.4	metres.
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DECEMBER, 1935

Day 1 2 3 4 5	983·0 991·1 991·3 993·4	983·3 991·2 991·9	983·2 991·4	982 - 8	983.2	mb 980・4 983・2			<b>m</b> b 980 • 2	mb	mb	mb	шb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb
1 2 3 4 5	983·0 991·1 991·3 993·4	983·3 991·2 991·9	983·2 991·4	982 - 8	983.2				980 - 2	070.7	070.0	000								000.5	000-0	003.0	001.4		
2 3 4 5	991·1 991·3 993·4	991·2 991·9	991.4			983-2									979 • 8										980 • 8
3 4 5	991·3 993·4	991.9		1991 • 3									985 • 6	985 - 8	986 - 2	986 • 9	987-6	988-1	988 . 9	989 2	989 • 6	990.2	990 - 6	991.0	985 • 9
5	993-4														988 • 3										989 • 7
6															997 • 4										994-9
6		993.2	982-T	993.9	994.0	995.4	990.0	999-3	000.6	002.2	1003.2	004.4	008.2	1000.1	1007-8	006.2	009.2	103.9	010.5	070-9	011.1	011.1	010-6	011.0	003-0
	010-5	009-9	009-5	009-1	009-2	008-4	007-6	007-2	007-1	006-4	005-6	005-3	004 - 5	004 - 2	004-2	004 - 5	004-6	004-9	005-9	006 • 5	007-1	007-7	008-2	008 - 5	007-0
7 !	8.800	009-1	009-5	009-9	010.3	010.5	010.9	011.6	012.2	012.5	012-5	012-5			012.2										011-1
8	009.2	009 - 2	008+9	009 • 5	009 • 4	009-6	009 • 6	010 • 4	010.3	009 - 9	009 - 8	009 • 4	009-2	008 - 8	008-6	008-4	008-6	009-1	008+9	008 • 9	9-800	008-9	009.0	009-0	009-2
9	008+8	008.0	009-4	009-5	010.2	011.2	012.3	013.6	014.9	016 • 5	017.0	017-7			019-4										017-0
10	026 • 4	027-1	027-5	027.7	028-3	028 • 4	028 - 8	028 · 8	029-1	029.3	029-3	029 - 2	028-9	028 • 5	028-9	028 · 5	028 • 7	028-6	028 • 5	028-0	027.7	027.5	027 • 7	027-6	028 · 3
l 11	027.5	027-7	027-0	026 - 5	026 - 6	026 • 6	026 - 6	026 • 8	027.5	027-6	027-6	027-4	028-0	026.0	026-9	027-0	097-1	ne7.0	027.2	027.4	027.4	097.5	097.5	027.4	027-2
12	027-3	027-2	027.3	027-1	027.1	027.3	027.4	027.6	027.7	027.9	027.7	027.4	026.7	026.3	026 - 4	026 - 5	026.7	028.9	026.9	028-9	026.0	028-8	026.7	028 -8	
<del>ੂੰ</del> 13	026 • 2	026 • 0	025 - 8	025 - 8	025 - 8	026-1	026 - 2	026 - 1	026.2	020.1	025 - 7	025-0	024 - 4	023-7	023.3	023-2	022.9	022.8	022-6	022.5	022.1	021.9	021.7	021.2	024 - 4
à 14	020-5	020 • 3	020 - 2	019.7	019.4	019-1	018.9	018 . 8	018.7	018.6	018-3	017-6			015.5										016-4
ب <u>15</u>	007.7	007-1	006.1	004.9	004 • 0	003-6	003-4	003.0	003.0	002-8	002.5	001.8	001.0	000 - 5	999 • 7	999 - 7	0000	000-1	000-3	000-6	000-5	000-5	000-4	999 - 5	002-4
	000-4	007.6	007-0	000.3	000.0	998-5	000.0	007.0	007.0												١				
g 10 17	002.5	002.5	000.0	990.1	990.5	001.1	980.2	997.0	997.9	998.0	998.2	996.1			000 • 4										999-8
Ψ 18 I	002-5	010-5	011.5	012-0	012.2	012.5	012.0	013.4	013.6	013.7	013.2	013.5			011.8										002·9
19	007-6	007-3	007-0	006-6	006.4	006-4	006.5	006 • 6	006.9	007.2	007-1	006.6			006 • 2										
20	007-5	007.7	007 • 7	007-7	007-8	008-1	007.7	008 - 4	008 - 7	009.0	008-9	008-2			007-1										
					1	1 1					1	ĺ													
21	007-2	007-2	007-4	007-4	007-1	007-3	007-6	007-8	008 • 2	008-4	008 • 2	008.0			008-0										008-0
22 23	008-6	008 • 6	008 • 6	008 • 5	008-1	007.7	007-6	007-8	008 • 2	008.1	007-9	007-4			006 - 8										007-6
24	999.9	998.9	007.1	908.0	006.1	006·6 994·2	000.9	003-1	007.3	007.3	006.9	008.8			006.0										
25	984.5	984 - 3	983.8	983.5	982.5	982.9	083.0	983.7	984.1	984.5	990-2	909.0			988 • 0. 984 • 0										991·3 983·5
		•••	500 0	200 2	""	502 0	203 0	503·L	304.1	504 U	504 - O	804.0	904-1	204.1	204.0	802.8	904-0	804-0	803.0	803-2	902.4	80T.0	800.8	860-0	802.0
26	978 • 8	977.8	977 • 0	976 .0	975-0	974.5	974 - 0	974 - 1	974.0	974.1	974-1	974-1	974 - 7	976 - 5	978 - 3	979 - 4	980 • 4	981-5	983-0	984 - 0	984 - 1	984 - 5	984 - 7	984 - 8	978 - 2
27	984.8	984 - 9	984 - 7	984.1	982-6	980 • 5	979-8	979-6	979-4	979-0	979-1	978 - 7			983-4										984 - 0
28	988 • 4	987-5	986 • 1	984 - 8	983.5	983-0	883,2	984 • 3	984 • 7	985 • 4	985 - 5	986 • 0	986 • 0	986 • 4	987-7	988 • 9	990 • 1	991.1	992.1	992 - 8	994 • 0	995.0	996 - 1	997-1	988 • 2
29 30	998.0	998-4	998.9	999.4	999.5	000-2	8.000	001-4	001-4	001.8	001.7	001-4			000-9										999 • 8
30	993.E	992.9	882.T	993.2	883.0	992-8	992-7	992.7	992-4	992-2	881.1	990.0	988.6	987.7	986 • 7	985-4	984-2	983.6	983.5	984 • 1	984-9	986 · 1	987-5	989 • 2	989 - 3
<b>↓</b> 31	990-7	992-5	993.7	994 - 5	994-8	994-9	994 • 5	994 - 2	993-6	992 • 5	991-7	990-8	990 • 2	990-3	990 • 5	991.0	991•7	992-2	992-6	992 • 7	992•3	992-1	991 • 7	991-2	992 • 3
Mean	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1003	1003	1003	1003	1003	1003	1002
Station Level)	•63					•08		•42	.62			•38	-03			•48	•70		•12		<u>·27</u>	•25			-62
Mean	1003	1003	1003		1003	1003		1003		1004	1003	1003	1003	1003		1003					1004			1004	1003
Sea Level)	•92	•91	-82	•62	•45	•37	•44	•71	•91	•03	•90	-86	•31	<u>·3</u> 0	•59	•76	•99	•20	•41	•55	<u>•56</u>	•54	•52	•34	•90
Hour	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
G. M. T.				_	•		,		•								l					·			

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

453 KEW OBSERVATORY:  $H_b = 10.4$  metres

. 1935 .

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	n	Noon	13	14	15	16	17	1.8	19	20	, 21	22	23	24	Mean
Station Level	mb 012•66	mb 012•52	mb 012•36	mb 012•25	mb 012•28	mb 012∙38	mb 012•55	mb 012•73	mb 012•86	mb 012•92	mb 012•86	mb 012•68	mb 012•46	mb 012•27	mb 012•17	mb 012•12	mb 012•17	mb 012•31	mb 012•49	mb 012•68	mb 012•81	mb 012•63	mb 012•82	mb 012•73	mb 012•54
Sea Level	013-94	013-80	013-64	013-53	013•56	013-66	013-83	014•00	014•13	014-19	014-12	013-94	013•72	013-53	013-43	013-38	013•43	013-57	013-76	013•95	014•08	014•10	014•09	014-01	013-80

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

454 KEW OBSERVATORY: Hb = 10.4 metres

1935

Month	Mean	Hour 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
Jan. Feb. Mar.	mb 1023•55 1006•14 1020•15	+0•12	mb -0.05 -0.05 -0.06	-0-29	-0-49	-0-49	-0.56		-0.12	+0.02	+0.24	+0-27	+0-09	-0.08	mb -0.35 -0.22 -0.36	-0-29	-0-17		+0.26	+0.44		+0+32	+0.35		+0-27
Apr. May June	1008-85 1017-71 1012-06	+0.24	+0.09	-0-02	-0.09	-0-03	+0.09	-0·26 +0·23 +0·15	+0 • 35	+0+35	+0-30	+0.15	0.00	-0-19	-0.39	-0-60	-0.64	-0.71	-0.55		0.00	+0.61 +0.36 +0.27	+0-48	+0+39 +0+50 +0+37	+0 •12 +0 •39 +0 •28
July Aug. Sept.	1018•73 1014•70 1010•87	+0•19	+0.08	-0.09	-0-14	-0.06	+0-15	+0.35	+0.49	+0.54	+0-45	+0.31	+0.12	-0.05	-0.25	-0.42	-0-63	-0.72	-0.71	-0.51	-0-15	+0-17	+0 • 26	+0 • 44 +0 • 32 +0 • 30	+0 - 28
Oct. Nov. Dec.	1009-53 1004-51 1002-62	+0-32	-0·29 +0·30 +0·11	+0 • 06	-0.12	-0.15	-0.16	-0.06 -0.13 -0.41	-0.01	+0.03	+0.15	+0-18	-0.04	-0-38	-0.48	-0-45	-0.36	-0.21	-0.07	+0.07	+0.14	+0.19	+0 • 30	+0•11 +0•41 +0•49	+0.41
Year	1012-54	+0-09	-0.05	-0-21	-0-32	-0-29	-0.18	-0.01	+0-18	+0-31	+0.37	+0.31	+0-14	-0-08	-0.58	-0.36	-0-40	-0.35	-0-20	-0-02	+0•17	+0+30	+0.33	+0•32	+0-23

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

45	5. KEW	OBSER	VATORY:	нь =	10.4	metres																	19	<i>)</i>
Month	Ja	n.	Fe	b.	Я	ar.	Ap	r.	M	ay	Jun	e	Jul	У	Au	ıg.	Sep	t.	00	t.		lov.	De	ec.
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	шb	mb	mb	mb	mb	mb	mb	mb	шþ	mЪ	mb	mb	mb	mb	mb	mb	mb	шb.	mb	mb	mb	mb
1	021-1	013.5	020 • 6	010-3	994.5	966.0	014-8	010-3	023 • 7	020-8	014.5	008 • 7	016 • 6	009-6	020-6	017-8	012-6	004 • 2	001.6	996+3	013•		983•5	979-5
2	032-6	022-5	017-8	006.1	015-0	990-8	015-3	010-8	023-4	018-6	008 • 7	004.6	021.7	009-9	021.0	018 • 7	012-8	004.2	999-3	982-0	015		991.0	982-4
3	032-8	028 • 0	019-2	011-7	020 • 1	014.5	017•0 015•7	014-1	018-6	011-3	007-1	005-4	024.5	021.7	023 • 3	020.7	012.9	009-6	986 • 5	981-3	014.		991-4	988•1
4	026 • 2	021-5	013-0	008-9		020-1	006.0	003-0	015-6	010-3	007-2	000-5	024 • 1	022-3	023 • 8	022.0	009+8	005•7	987-9	985-0				990-8
5	021-6	013-1	012-1	998-7	029-1	027-8	000-0	003-6	022-0	015-6	003•0	997.5	023-4	019-1	026 • 8	023-8	010-3	008•1	999-9	987•3	004	999-2	011-2	993-0
. 6		011-2	023-9	993-0	033-6	028-7	008•7	005-1	026 - 1	022-0	010-0	003+0	022-3	020-2	028 • 8	026 • 4	021-4	008-5	009-9	999-9			011-0	004-1
7		014-1	027-2	023 • 9	037-2	033-3	005•1	995 • 6	029-9	026 • 1	007-2	002-5	024-2	022-0	026 • 6	019-0	022-6	020-7	013-9	009-9			012-6	008 • 5
8		018-4	025-6	024-1	037-5	034-8	004-7	993-0	030 • 4	028-0	020-6	007-6	024-1	019-8	019-0	011-7	023 • 4	020-7	012•4	003-6			010-5	008+4
.9	030+2	026 • 5	024-5	023-4	035 • 7	026 • 5	003-1	997·8	028 • 5	022-3	021.0	011-6	019-9	015-8	019-0	011-1	023 • 4	019-6	008+8	995-1	997			008 • 8
10	031-8	029-3	024•8	022-8	025-5	020-1	001-0	991-1	022-3	010.8	011-0	003-6	019-1	017•1	020-6	017-3	024 • 8	020•3	011.0	989-4	007	997-3	029-4	025-0
11	029-6	011.6	023-6	019-5	032-7	021-6	0030-0	000-5	020-7	018-1	008-1	004•0	021-6	019-1	018.0	009-3	020-3	009-7	016 - 7	011-0	009-		027•7	026 • 5
12	015•3	008-2	019-5	011-1	033-9	030.0	012-5	002-8	022-3	020-1	011.6	008•1	021.5	019-0	009-3	005 • 4	009 • 7	006 • 5	026 • 5	016-7	005			026 • 3
13	014.7	009-7	011-5	999-7	030-0	022-0	016-2	006 • 5	022-4	017-9	012-0	008 • 7	021-2	019-1	014.9	009•0	012.6	007-1	027-2	024-1	008		026 • 6	021-2
14	025-8	009-7	016-6	000-6	022-0	015.6	008 • 2	004-0	018-4	015.5	010-8	006 • 7	021-8	018-8	019-2	014-9	012.5	009-0	025-9	023-4			021-2	008-9
1.5	034-8	025-8	017-3	004-9	016-0	002-9	011.9	001-9	017.5	015•0	006+8	003-9	022-5	019-0	020-9	019•1	011-8	996 • 7	025-7	024-4	007-	000-6	008-9	999-5
16		034 • 5	007-9	998-0	002-9	998-0	001-9	990-2	018-4	014-9	008•6	005+2	019-2	016-5	020-6	019-0	002-0	983-9	026 • 4	023-6			003-4	997•5
17	036 • 3	033-6	023-3	007-9	013-9	998 • 9	996 • 3	990-8	017-6	007-1	013-2	008 • 3	017-1	012-5	019.6	016 • 6	002-7	980.1	027-4	023-5			009-0	000-5
18		034.0	023-3	015-9	019-2	013-9	003-9	996 • 3	014-4	009.0	016-1	007.7	014.2	007-1	017-4	016 • 3	010-5	002.7	025.9	009-9			013-9	008-3
19 20	038 • 1 038 • 8	036 • 2	015·9 007·1	990-6	018 <b>-9</b> 016-5	014-5	008 • 5	001·8 999·2	014·4 018·4	010·7 011·5	021.0	016·1 014·9	013.3	003-9	020 • 4	017-1	010.9	998 • 9	009-9	998·1 999·6	999		008-3	007-0
س	030-0	037-1	007-1	880.0	010-2	012-8	with	889-2	010-4	011-2	079-0	014-9	013-3	000-6	051.8	018-4	OST.A	010-9	013-7	888.0	999.	882.8	009-1	007-0
21	038 • 2	035-9	992-8	986 • 7	016.7	013-7	001-4	998 • 5	023-8	018-4	018-9	015-7	021.8	013.3	018.4	012-8	022-4	010-9	014-7	010-1	007-		008-9	007-1
22		034-6	987-6	973-9	013.7	008•6	009-6	001-4	023.7	016-9	018-8	017-0	025-7	021-6	013.2	010-2	012-2	003.5	012.3	008-9	011.		008 • 7	006.6
23	034-8	030-1		975-8	013-0	009-8	016 • 8	009-6	016 • 9 015 • 8	011-8	019-1	017-1	025-9	022-6	010-7	008 • 7	018.7	012-2	011.9	006•5			007-4	001-0
24		010-8		972-0	025·9 026·6	012-8	020-0	016-8	018-7	013·3 014·5	017-1	010-2	024-6	022-2	012·8 015·8	006 • 6	018·0 018·7	000-3	012.6	006-2			001•0 985•2	985-2
25	010-8	984.1	800-2	970-7	020.0	025-1	013-0	0.6-5	010-1	014-5	010.9	W/-4	024-7	019-9	012-8	012-8	018-7	001.6	020-5	012-4	022-	1 018-0	305.5	960-0
26	011-0	985-6	008-4	988 • 5	027-5	024-7	020-8	016-3	019-5	016-9	015+9	010-9	021.3	019-8	014.0	001-0	019.7	013.0	023-5	018-6			984-8	973-9
27	022-3	011-0	004-8	987-4	029-8	025-4	024 • 8	020-8	019-5	015-1	024-6	015•4	020-9	015.4	001-0	996-8	013-0	010-2	018-6	010-0			990-2	978-6
28		022-3	987-4	963-6	029-8	024-7	027-6	024-8	015-3	014-1	029-9	024 • 5	016-9	015.0	000-6	996 • 9	012.2	006-9	017-6	010-0			997-1	982-8
29	025-5	023-8	-	] -	031-2	023-8	027-4	022-4	014-6	010-1	029-8	022-1	020•7	016.3	009-4	000-6	011-6	007-3	015.5	005-8	009-		002-0	993-7
30	025•5	016-7	-	- '	031-4	020-4	022-4	018-7	012-8	010-0	022•1	016•6	-023•0	020-7	010-6	003-4	008-3	000-5	012-2	996•0	006	981.7	993•7	983•5
31	021-6	016-4	-	-	020-4	014-2	<u> </u>	-	014-8	012-8		-	023-2	019-8	012-0	005-3			002-2	993-5	<u> </u>	<b> </b>	995 • 1	989-2
Mean	1027	1019	1011	1000	1023	1016	1011	1005	1020	1015	1014	1009	1020	1016	1017	1012	1014	1006	1013	1005	1008	1000	1006	999
	•23	-77	•60	-60	•52	-64	-94	68	-01	•73	-81	•58	•96	•76	•10	•54	-79	•45	-49	•23	•40	•47	- 26	7.11
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JANUARY, 1935

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6 7 8 9 10	74·9 75·8 75·4 73·0 74·9	74-6 75-7 75-4 72-6 74-9	74.6 75.5 75.4 71.8 75.0	74·2 75·4 75·1 70·8 75·0	74·9 75·4 75·1 71·2 75·4	75.0 74.6 75.0 71.9 75.4	74-8 74-6 75-2 71-5 75-5	74.7 74.6 75.3 71.4 75.8	75.0 74.7 75.4 71.2 76.4	76·2 74·9 75·5 71·7 77·0	76-8 75-7 75-9 72-2 77-6	77-4 75-9 75-8 72-6 78-3	77-9 76-0 76-0 73-2 79-5	78.0 76.1 75.9 73.6 79.2	78-3 76-1 75-8 74-1 79-2	78.0 76.1 75.8 74.3 78.8	77•3 75•8 75•5 74•3 78•5	76·9 75·9 75·4 74·6 78·4	77.0 74.9 75.5 74.3 77.9	74·7 75·3 74·7	76-8 74-9 74-9 74-7 77-3	76·6 75·1 74·4 75·0 78·9	76 • 3 75 • 1 74 • 2 74 • 6 76 • 5	75-7 75-2 73-3 74-5 78-9	76 • 2 75 • 4 75 • 3 <u>73 • 1</u> 77 • 0
11 12 13 14 15	76 • 6 76 • 9 74 • 0 80 • 6 81 • 9	76 • 0 76 • 7 73 • 6 81 • 7 81 • 8	75.9 76.4 73.9 82.1 81.4	77.0 75.9 73.7 82.5 81.1	77•4 75•8 73•6 82•7 80•3	78.5 76.0 73.3 83.1 79.9	78·3 76·5 73·5 83·1 79·3	78 • 7 75 • 3 73 • 7 83 • 2 80 • 0	79·3 75·0 74·0 83·5 80·1	79·8 75·7 74·7 83·7 80·5	80 • 7 76 • 5 75 • 7 84 • 2 80 • 7	80·3 76·6 76·9 84·4 81·3	80-6 76-9 77-5 84-4 82-4	80.2 77.0 78.1 84.4 82.9	79-8 76-8 78-0 84-2 83-0	79-8 76-4 77-6 83-7 82-1	79-6 76-0 77-5 82-8 81-8	79-2 75-5 77-4 82-6 81-6	76 · 6 75 · 2 77 · 2 82 · 4 80 · 9	76.9 75.0 77.0 82.2 80.1	77-3 74-7 77-1 82-3 80-8	77-3 74-4 77-5 82-3 80-1	76 · 9 74 · 3 78 · 0 82 · 1 80 · 1	77-0 74-0 79-2 81-9 79-4	78-3 75-9 75-8 82-9 81-0
16 17 18 19 20	79•9 78•8 78•9 78•5 77•5	80 • 0 78 • 5 78 • 9 78 • 4 77 • 6	79•8 78•6 79•2 78•5 77•6	79·6 79·0 79·2 78·6 77·6	79·9 79·6 79·2 78·4 77·5	79·9 79·6 79·0 78·3 77·4	80·1 79·8 79·1 78·5 77·3	79·9 79·9 79·1 78·5 77·5	80·3 79·9 79·2 78·7 77·5	80·8 80·1 79·3 78·7 77·7	81-2 79-7 79-6 79-0 78-0	81-6 80-2 79-6 79-0 78-0	82.0 80.4 79.7 79.1 78.5	82·1 80·5 79·3 79·2 78·7	81-8 80-7 79-2 79-1 79-0	81-4 80-3 79-0 78-2 79-1	80-4 80-0 79-0 78-5 79-2	79-2 79-9 78-8 78-4 79-3	79-1 80-1 78-4 78-3 79-0	79-6 78-3 78-0	77-2 79-5 78-6 77-9 79-2	76-9 79-2 78-6 77-4 79-0	77.0 79.2 78.6 77.3 79.1	78-7 79-2 78-6 77-6 78-8	79•9 79•7 79•0 78•4 78•3
21 22 23 24 25	78•7 77•2 <b>76</b> •1 77•0 81•9	78 • 6 77 • 6 75 • 9 76 • 9 82 • 2	78•6 77•6 76•1 76•9 82•5	78 · 6 77 · 0 76 · 2 76 · 5 82 · 6	78·3 78·2 76·5 77·0 83·0	78·5 78·4 76·6 77·4 82·9	78-5 78-6 77-0 77-2 82-2	78·7 78·7 78·1 77·7 82·5	78·8 79·2 78·6 78·3 81·7	78.9 80.1 79.0 79.1 82.1	79-1 80-9 79-1 80-5 81-6	79.0 81.2 79.1 81.0 81.6	79·1 81·6 79·6 81·2 79·5	79·3 81·6 80·2 81·5 79·5	79-3 81-5 80-9 80-9 79-9	79•3 80•9 80•3 80•7 79•3	78-9 80-0 79-7 80-2 77-0	78-7 79-2 79-0 79-7 77-1	78-1 78-6 79-4 80-1 76-7	78-3 78-5 80-6	77-8 78-6 77-9 80-9 76-8	77-3 78-6 77-2 81-6 74-2	77·1 78·0 77·0 81·5 75·5	77-2 76-5 77-5 81-7 76-0	78-5 79-1 78-1 79-3 79-9
26 27 28 29 30	75-9 74-0 72-6 72-2 74-0	76 • 6 74 • 3 72 • 4 71 • 9 74 • 0	77·2 74·3 72·3 71·7 74·0	78·1 73·7 72·1 71·4 74·0	78.0 73.9 71.9 71.5 74.1	74·1 71·6 71·8	77-3 74-0 71-3 71-9 74-0	77.2 74.3 71.3 72.1 74.1	77·3 74·5 72·2 72·5 74·7	76·5 74·6 73·2 72·1 74·9	77-9 75-0 74-1 72-7 75-1	77•7 75•5 74•8 73•4 75•8	78·1 76·1 75·7 75·1 76·6	78·3 76·0 76·0 76·7 77·3	77•7 76•0 76•0 76•8 77•6	76 • 5 75 • 8 75 • 4 76 • 5 78 • 2	75-6 75-0 74-6 76-0 77-8	75-8 75-0 74-3 76-0 77-6	76 • 0 74 • 9 73 • 9 75 • 9 77 • 6	76-0 74-5 72-9 75-7 78-0	75-2 74-4 72-7 75-2 78-3	74-3 74-1 73-1 74-1 78-6	74.6 73.1 73.1 74.2 78.8	73-9 73-0 72-8 74-2 78-7	76·7 74·6 73·3 73·8 76·1
31 Mean	78-7 77-7	79•0 77•6	79•0 77•6		79-2 77-7		78•3 77•6	78-0 77-6		79·3 78·2	80 <b>-4</b> 78-7	80-5 79-0	80·5 79·4	80·3 79·6	80-8 79-6	80-4 79-2	<u> </u>	78-4 78-5	79-0 78-3		78-7 78-0	78·6 77·7	78·2 77·7	78-2 77-6	79-2 78-2

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	6 7 8 9 10	78-5 75-7 73-9 73-0 74-1	78-9 75-7 74-1 72-7 74-0	79·1 75·4 74·1 72·2 74·0	78-9 75-0 74-2 72-0 73-8	76·3 75·1 73·5 72·0 73·9	75·7 74·8 74·0 71·9 74·0	75-7 74-7 73-9 72-0 73-9	75-7 75-0 74-2 72-0 74-0	76 • 6 75 • 2 74 • 7 72 • 8 74 • 1	77-3 75-8 75-2 73-8 74-3	78-2 76-5 75-2 74-7 75-0	78-6 76-9 75-1 75-1 76-1		79·0 77·0 75·0 75·5 78·5	78-7 76-9 74-9 75-6 79-2	'	77·3 76·0 74·2 74·7 79·4	77•0 74•1 73•9 74•5 78•8	76·7 74·1 73·5 74·2 78·3	76 · 2 74 · 1 73 · 1 73 · 9 78 · 0	76-0 73-9 73-0 74-0 77-7	75·8 73·3 72·9 74·2 78·0	75·7 73·6 72·5 74·3 77·8	75·7 73·8 72·8 74·4 77·7	77·3 75·3 74·1 73·7 76·3
	11 12 13 14 15	78-3 79-2 80-2 82-8 78-7		78-2 79-4 80-0 81-8 77-3	78-4 79-3 79-4 81-3 77-2	78·2 79·9 79·4 81·1 77·0	80-0 80-0 80-8 76-9	78-3 80-1 80-8 80-9 77-0	78-6 80-3 81-2 80-9 77-5	78.7 80.5 81.4 81.3 78.8	79·4 81·1 81·6 81·5 80·1	80·3 81·3 81·9 82·5 81·0	81.8 82.3 83.1 81.2		82.0 82.4 82.3 83.7 82.1	82-8 82-3 82-1 83-4 83-0	82·3 82·3 82·1 83·4 84·2	81·3 81·9 82·7. 84·8	80-3 80-9 82-3 81-7 84-9	79-3 80-8 82-5 80-6 85-6	78-7 80-8 83-0 79-8 85-8	79·1 80·8 83·1 79·3 85·6	79·1 80·8 83·1 79·1 85·6	79-0 80-8 83-5 78-9 85-5	79-2 80-2 83-0 78-8 85-5	79-6 80-7 81-6 81-6 81-3
7	16 17 18 19 20	85.6 81.2 78.2 81.9 82.0	85.6 80.7 78.7 81.8 82.1	85.5 80.0 79.2 81.6 81.9	85.5 79.6 79.8 81.3 81.9	85.6 79.2 80.2 81.2 82.1	85-6 79-1 80-5 81-1 82-2	85·2 78·9 80·5 81·0 82·4	85·1 79·0 80·6 81·1 82·3	85·1 80·1 80·9 81·4 82·9	85·3 80·7 81·1 81·9 83·1	85·2 81·2 81·7 82·6 83·4	85.2 82.5 82.2 82.7 84.0	85·3 82·8 82·7 82·8 84·2	85.5 83.1 83.1 83.1 84.0	85·2 83·7 83·4 82·9 83·8	84-6 83-6 83-0 82-6 83-5	84-6 82-6 82-4 82-4 83-5	84.7 81.6 82.1 82.0 83.6	83.0 81.1 82.0 81.9 83.7	83 • 2 81 • 0 82 • 0 82 • 0 83 • 5	83.0 80.3 82.1 82.0 83.6	83.0 79.6 82.2 82.0 83.3	83.2 79.2 82.1 81.9 83.1	81.9 78.7 82.0 81.8 83.2	84-7 80-9 81-3 82-0 83-0
	21 22 23 24 25	83·1 80·1 74·9 76·4 77·7	82.9 80.1 74.9 76.8 78.0	82·9 79·9 74·9 76·0 78·1	82·4 80·0 74·3 74·8 78·1	81.8 80.1 74.0 74.2 77.9		81.0 80.3 74.7 73.9 77.5	80·7 80·3 75·7 74·1 77·8	80-8 80-7 76-9 76-1 77-8	81.4 81.0 78.0 78.8 79.1	82.0 82.0 79.0 80.6 78.3	82.5 82.3 79.8 79.8 78.6		83.0 76.4 79.7 80.4 79.4	82-9 78-6 79-1 80-3 80-1	82·1 79·6 78·7 80·2 80·0	81 · 1 79 · 6 78 · 4 80 · 0 78 · 6	80-0 78-5 78-1 79-0 77-6	79-7 77-4 77-9 80-1 77-7	79-2 77-0 77-9 80-1 77-6	79.7 76.6 77.9 80.8 77.5	79.5 75.8 77.6 80.0 77.3	80-1 75-1 77-3 78-0 76-8	80-0 74-9 76-9 78-0 76-3	81·4 79·0 77·1 78·0 78·2
	28 27 28	75•8 75•6 79•3	75•4 76•0 79•3	75•2 76•3 79•4	75•0 76•7 79•4	74·4 76·9 78·5	77-0	74-0 77-2 78-0	74-1 75-6 78-7	74·8 74·9 79·2	75•9 75•5 80•0	77-0 77-0 81-0	78•0 78•6 80•3	78•7 79•3 81•3	79•2 79•4 81•0	79•4 80•8 81•7	79-5 80-7 81-0	78•6 80•1 80•3	77•3 79•5 79•0	76 • 1 79 • 5 78 • 7	74-9 79-6 78-8	74·8 79·2 78·4	74•4 79•7 78•0	74-6 79-4 77-6	74-6 79-5 77-8	78-0 79-4
	Mean	78-9	78-9	78•7	78-6	78-4	<u>78-3</u>	78-3	78-3	78-8	79-5	80-2	80•7	81-1	81-1	<u>81·3</u>	81-1	80-6	80-0	79•7	79-5	79-4	79-3	79-1	79-0	79-5
	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

458. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulb above the ground) = 3.0 metres

MARCH, 1935

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Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Me
Day	ο <u>Α</u>	ο <u>γ</u>	OA V	°A	°A N	O.	°A	°A	OA 20.4	OA	°A	° <u>A</u>	°A	°A	oV V	°A A	OA.	° <u>A</u>	OA	° <u>A</u>	°A	° <u>A</u> 78∙1	°A 77-8	°A 77-9	78
5	77-8	77-8 77-0	77-6 76-4	77-2	76·7	76·3 76·7	76·0 77·1	76 · 0 78 · 4	76 · 4 79 · 1	77-8	79-0	79-9 80-9	81·1 81·2	81.0	80-8	80-2 81-7	79·5 81·2	79·1 80·9	79-0 80-0	79-0	78-3	79.2	79-0	78-5	7
3	78-2	78-3	77.9	78-0		77-9	78-0	78-2	78-6	79-6	80-0	81.0	80-4	80.3	80-5	80-0	79-5	79-4	79-1	78-9	79-0	78-6	78-1	78-6	7
5	78-2 73-8	77·6 73·2	76·9 73·1	76 · 2 74 · 1	76·0 74·1	76·0 74·1	75·4 74·4	75·5 75·3	76 · 7 77 · 4	79·0 79·4	80.2	80·7 82·2		82·0 83·0	82-6 82-6	82-0	81·5 81·1	80-1	78-9 80-4	76 - 7 80 - 0	76 · 5 79 · 7	75·8 79·0	75·1 78·9	74-9 78-5	7
6	78-2	78-0	77-7	77-5		77-4	77-6	77-9	78-3	79-1	80-1	80-9	81-1	81-3	81-6	81-0	80-9	80-5	80-7	80-3	80-0	79-9	80-0	80-0	1 3
7	79-4	79·3	79·2 75·6	79-0	. 79•0 75•7	78·9 75·2	78·1	78 • 8 75 • 3	78-7	79.5	80·2 76·1	81-0 75-9	81 • 7 75 • 7	81·8 76·0	81-6	81-3 74-8	80-5 75-0	79·5 74·9	78-6 74-6	77-7	76 · 9	77-0	76-9	76·1 73·1	l
9	72-5	72.1	72-1	72-2		72.4	72.5	72.9	73-0	73-5	74-0		74-1	74-4	74-6	74-2	74-2	74-1	74-2	74-6	74-6	74-2	73-8	73-8	1
10	73-3	.73-2	73-2	73-2	73.2	73-2	73-5	73-6	73-5	74-0	74-1	74-2	74-1	74-6	74-8	75-0	75-2	75-7	75-7	75-7	76-2	77-0	76-9	76-8	
11	76 - 5	76 - 2	76-1	75-8		75-3	75-6	75-4	75-6	75-7		77-0		77-3	77-4	77-1	76-7	76-4	76 - 2	75-7	75-4		75-4	75-0	1
12 13	74-7 75-6	74-2 75-2	74-8	73·9 74·7	73·8 74·4	73-7	74-4	75-0 75-3	76 · 9 76 · 3	77·9	80-4 78-2	80-0	82-6	83-0 82-1	83-3	83-0	82-3	81·1 79·2	79-6 78-2	78-2	77-3	76-8	76·0 75-7	75-7	
14	75-1	75-6	75-7	75-7	75-7	75-7	75-8	75-7	75-9	77-0	77-5	77-6	77-7	77-7	77-8	77-9	77-8	77-7		77-6	77-5	77.3	77-0	77-0	1
15	76-9	76-9	76-9	76-6	76-9	76-9	76 - 7	77-0	77-6	78-7	79-9	87.0	81-9	82-6	83-3	83-0	82-6	80-7	79-5	78-6	78-2	78-0	77-6	77-3	l
16 17	77-0	76-6	76 - 5	76 • 9 80 • 6	77.0	77-2 80-5	77-6 80-8	78·3	79·7	81.5		83·7 84·0	84-9 84-8	85·4 85·3	85-8	84-7	83·2 85·4	82-8 84-3	82-2	82-0 83-1	81-9 82-7	81.9 82.2	81-9 81-0	81-6	ł
18	81-4 79-6	81·3 79·6	80-2 79-3	78-0	80-9 77-7	78-3	78-4	78-7	79.9	81-2		84.9	85.1	84-8	85-0		86-0	84-5	83-1	81.6	80-5	79.7	79-2	78-5	
19 20	77-9 78-7	76·8 79·1	76 · 2 78 · 9	76 • 0 78 • 4	75-9 78-4	75-8 78-0	76 · 6 78 · 3	78-5 79-9	80-9 80-9	82-4	84·1 85·3	85-8	86 · 5 88 · 1	87-4	87-8	87-2	90-1	84-9	83 - 2	82-0	81-8 83-1	81.8	81-5 81-6	80-3	l
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23	80-1	79-9	80-1	80-1	80-1	80-2	80.3	81-1	81-9	83-5	84-3	83-0	82.8	83-0	83-0	83-6	83-6	83-1	83-6	84-6	84-7	84-5	84-3	84-1	ı
24 25	83-6	82-7	82-5	82-3 83-6	81-9 83-1	81·4 83·0	82·0 82·2	83.7	84-8 83-2	85-2		86 · 7	85 · 9	87-6 85-3	88-2	88-4	87-7	87-0	85-9	85-2 82-7	84-9	84-3	83-8 80-1	83·7 79·2	ŀ
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28	78-7	78-2	78-1	78-1	77-7	77-4	77-3	77-5	78-4	80-2	82-3	84-3	85-8	86-8	87-4	87-8	87-7	86-6	85-1	83-9	83-5	82-2	81.8	81.3	ŀ
29 30	81-0 78-1	80·5 78·0	80·3 78·1	80·1 77·9	80-0 78-0	77-7	80·3	81-3 78-0	82·1 78·5	83·0 79·2	79-9	84-0	83-5	83·4 81·1	82-9	82-6	82-4	82.0	80-4	80-0	79-0	78·9 81·1	78-9 80-6	78·1 80·0	
31	79-2	79-3	79-7	79-9		79-9	80-0		80-3	81-0	' '	, , ,			86 - 2		86 - 1			83-6			82-7		1
<u> </u>	18-2	18-3	19-1	10-8	15-0	10-0	30-0	30-0	30-3	31-0	32.3	J		30-7	w 2	30-4		30:4	33.3	30 0	30.0		<del></del>		ŀ
Mean	78-2	77-9	77-7	77-6	77-5	<u>77-5</u>	77-6	78-2	79-1	80-2	81.2	81.9	82-5	82.9	83-1	83-0	82-6	81-8	81-0	80-4	80-0	79 - 5	79-2	78-7	

459. E	CIEW OB	SERVA:	rory:	Nor	th Wal	Ll Sci	een:	h _t =	= 3.0	metre	es .												APRIL	, 1935	5
Day 1 2 3 4	% 81.7 78.0 75.7 75.2 74.1	°A 81·4 77·4 75·6 75·2 74·1	°A 81.7 77.0 75.1 75.1 74.0	°A 82·0 76·7 74·9 74·9 73·9	°A 81-9 76-6 74-6 75-0 73-8	°A 81·9 76·7 74·9 75·2 73·6	% 82.0 76.8 75.2 75.9 73.7	°A 82-1 77-9 76-1 76-7 75-3	°A 82·2 78·6 77·0 77·4 77·1	°A 82-0 79-5 78-1 79-2 78-5	°A 82-8 79-9 78-9 78-0 79-7	°A 83-6 80-0 79-3 78-1 78-9	°A 83·8 81·2 78·0 79·3 79·2	0A 84·0 81·1 78·0 77·0 80·3	04 84·0 80·0 79·2 77·2 79·1	83·2 79·0 78·0 76·7 80·1	%A 83-0 79-0 77-7 76-5 79-9	**************************************	°A 82·4 78·0 76·5 75·1 77·0	% 82·1 77·7 78·0 74·7 77·0	°A 81·8 77·8 75·9 74·4 76·6	0A 81-0 76-9 75-6 74-1 76-8	0A 78·3 76·1 75·3 74·1 76·0	°A 78·1 75·9 75·4 74·1 75·5	°A 82·1 78·3 76·6 <u>76·1</u> 76·8
6 7 8 9	75.2 79.2 81.0 80.1 85.3	75-0 78-9 81-0 80-9 85-4	74-8 78-9 80-1 82-0 85-4	74·8 78·9 80·0 83·1 85·3	83·9 85·2	74-2 80-2 78-9 83-8 84-8	75-7 80-5 79-7 84-0 84-2	77-1 80-5 81-0 84-6 84-3	78-2 80-8 82-1 84-5 84-5	79-9 81-9 82-5 85-2 85-2	81-0 83-7 83-0 85-5 88-6	81.7 83.9 83.2 86.3 86.5		83·1 86·0 82·4 86·3 87·0	83·3 83·2 83·1 86·7 87·0	83·1 82·4 84·4 86·0 86·3	82.7 81.9 83.9 85.5 86.0	82.0 81.7 83.8 85.0 85.4	81.0 81.2 83.4 84.9 84.5	80.9 81.1 82.8 84.8 84.2	80.5 81.2 82.3 84.8 83.9	80-0 81-1 80-8 85-1 82-9	79·9 81·1 80·3 85·0 82·7	79-5 80-9 80-1 85-2 83-0	79-1 81-4 81-7 84-5 85-1
11 12 13 14 15	82-9 77-4 77-0 79-4 77-4	82.7 77.0 76.5 79.4 76.5	82-6 76-7 76-0 78-3 76-3	82.5 77.6 75.4 78.7 76.2		83-0 78-2 74-6 78-2 76-6	83-6 79-0 75-4 78-3 77-0	84·3 79·5 77·7 78·9 78·1		83-0 81-0 81-5 81-1 81-9	83-9 82-0 82-6 82-6 83-2	85-4 82-8 83-7 83-2 84-9	86 • 7 83 • 1 83 • 8 82 • 8 85 • 5	86 · 5 83 · 6 84 · 2 84 · 3 86 · 3	86 · 7 84 · 2 83 · 6 82 · 3 85 · 2	86 • 4 84 • 6 83 • 5 84 • 1 85 • 7	86 · 3 84 · 0 82 · 5 84 · 3 83 · 9	85·4 83·0 82·0 82·6 83·7	83.7 81.6 81.5 81.6 83.1	82·1 80·5 80·3 81·0 82·4	81·3 79·6 79·7 79·9 81·9	80-2 78-8 79-3 79-2 81-0	78-7 78-2 79-3 79-0 80-8	78-1 77-5 79-3 78-1 80-9	83.5 80.4 79.7 80.7 81.0
16 17 18 19 20	81-1 78-7 80-2 83-0 82-1	81-1 78-5 80-6 83-0 82-1	81.5 78.1 80.6 82.9 82.4	81.8 78.0 81.1 82.8 82.6		82-6 77-9 81-0 82-9 82-4	83-0 79-8 81-6 83-3 83-4	81.7 81.4 82.1 84.1 84.9	81.5 79.2 83.0 85.1 86.9	82-9 81-2 83-7 85-6 87-5	84-0 82-2 84-6 85-7 86-1	83 · 0 83 · 2 85 · 0 86 · 6 85 · 7	85-5	81.4 84.5 86.5 85.5 85.0	83.0 85.1 85.7 86.2 86.1	83·4 84·7 83·7 86·1 86·4	82-7 83-6 82-3 85-9 86-5	82-1 82-3 83-2 85-6 85-2	81.4 81.6 82.9 84.5 83.9	80·4 81·0 82·7 83·6 82·5	80-1 80-4 83-0 82-7 82-5	80-0 80-2 83-3 82-5 81-6	79·1 80·0 83·3 82·0 81·2	79-2 80-1 83-2 82-1 81-1	81.8 80.9 82.8 84.2 83.9
21 22 23 24 25	81.9 79.0 82.1 77.5	81.9 78.5 81.1 77.6	81.0 78.0 80.3 77.8	80-4 78-9 80-3 78-0	80·0 77·5 79·9	81.0 77.5 80.9 78.7	82 · 2 80 · 2 81 · 9 79 · 2	83-2 83-0 82-3 79-9	83·9 84·6 82·7 80·3	84.5 85.2 82.8 81.2	84-6 86-8 82-7 81-7	86-0 87-5 82-4 82-0	86 • 3 87 • 0 82 • 7 82 • 9	85-1 87-0 83-1 81-9	85.7 88.1 84.1 81.3	86 · 3 88 · 6 85 · 0 81 · 2	85.8 88.7 85.0 81.3	87·1 87·5 83·8 81·7	85-0 85-9 82-4 81-9	83-0 84-9 81-3 82-0	81-8 84-3 80-6 81-9	80-9 83-9 79-6 81-9	79-9 83-1 78-7 81-7	79-2 82-1 78-0 81-6	83·3 83·6 81·9 80·5
27 28 29 30	80·0 79·8 80·1 81·3	80-0 79-7 80-0 90-8		79·7 79·7 80·1 79·9	79-8	79-9 79-6 80-2 79-2	80·1 79·9 81·4 79·8	80·7 80·3 83·2 80·9	81 · 2 80 · 6 83 · 7 82 · 5	81·7 81·1 85·1 84·2	82·0 81·9 86·0 86·1	81 · 7 82 · 1 86 · 7 86 · 6	82 • 2 82 • 6 86 • 2 86 • 9	82·5 82·9 88·0 88·1	82·4 83·3 88·7 87·7	82·3 83·7 88·7	82-4 83-6 88-5 87-2	82 • 2 83 • 3 87 • 6 86 • 0	81.9 82.9 86.9 85.1	81·4 82·2 85·7 83·1	81.0 82.3 85.0 82.2	80-6 82-0 84-0 82-2	80-5 80-9 82-9 82-1	80·0 80·7 82·2 81·9	81·1 81·4 84·2 83·4
Mean	79-6	79-5	79-3	79-3	<u>79-2</u>	79-4	80-1	80-9	81.7	82-5	83-2	83-6	83-8	84-1	84-1	84-1	83-7	83-1	82•3	81-5	81-1	80-6	80-1	79-8	81-5
Hour G. M. T.	1	2	3	4	5	6	7	8 .	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

450. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulb above the ground) = 3.0 metres

MAY, 1935

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Hour G. M. T.	1	2	3	4	5	6	7	8.	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day 1 2 3 4 5	°A 81.6 78.6 82.0 83.9 82.5	°A 81·2 78·2 82·2 83·9 82·2	81·1 77·3 82·7 83·4 82·3	°A 80·9 76·4 82·7 83·3 81·9	°A 80-3 76-5 81-7 83-2 81-3	80-1 78-2 82-0 83-7 81-8	°A 80-0 81-3 84-4 84-4 83-7	°A 79·9 83·2 86·5 85·7 86·1	°A 80•4 84•6 87•5 86•9 88•3	% 80.5 86.0 88.3 88.8 90.1	°A 81-0 86-9 89-1 89-7 90-7	%A 81.3 87.8 90.1 90.6 91.6	92.5 88.4 90.5 90.9 93.0	% 82·3 88·9 90·9 90·2 93·8	°A 82·4 89·1 90·9 89·6 93·7	82.2 89.0 90.8 89.6 93.2	°A 82·3 87·9 89·2 90·6 93·4	82-0 87-4 87-4 89-7 92-6	°A 81·4 86·4 86·3 87·9 91·5	°A 80·3 85·2 85·1 85·9 90·5	°A 79-7 84-4 84-4 84-7 87-8	79·0 83·6 84·4 83·6 86·5	°A 78-4 83-0 84-1 83-1 85-9	78 · 2 82 · 2 83 · 9 82 · 6 85 · 4	% 80.9 83.7 86.1 86.5 87.9
6 7 8 9 10	84-4 86-2 82-2 81-8 80-7	83-6 85-9 82-4 81-7 80-9	83·2 85·1 82·4 81·5 80·9	82.8 84.0 82.2 81.4 80.6	83.0 83.0 82.2 81.3 81.0	84.6 82.7 82.5 81.5 81.9	86 • 7 83 • 6 82 • 6 81 • 7 83 • 0	88-6 85-0 83-0 81-2 84-7	90·8 85·8 83·0 81·9 86·3	92.9 86.6 83.5 82.9 87.6	93-6 88-3 84-4 84-4 88-3	94-6 88-9 85-2 85-3 89-0	95·3 89·8 85·9 86·5 89·2	95-6 89-9 86-5 87-3 89-6	96-1 90-3 86-7 87-6 89-9	96 · 2 90 · 1 85 · 9 87 · 7 89 · 9	96 - 1 88 - 7 85 - 6 87 - 3 89 - 5	95 • 7 87 • 7 85 • 1 86 • 3 88 • 9	94-2 86-7 84-1 84-7 87-1	91.7 84.9 83.4 83.7 85.5	89·9 82·9 83·1 82·9 84·2	88.1 82.2 82.6 82.1 81.4	86 - 3 82 - 1 82 - 1 81 - 2 80 - 8	85.6 82.2 81.9 80.7 81.0	90-0 86-0 83-7 83-5 85-1
11 12 13 14 15	81·2 80·8 78·9 77·5 77·7	81.7 81.1 78.2 77.2 78.1	81-6 81-4 78-0 77-3 78-3	80.9 81.9 77.5 77.5 78.3	80.6 81.8 77.3 77.9 77.7	80-9 82-0 78-3 77-9 77-7	81.6 82.1 79.5 78.0 79.2	82.8 82.0 80.2 77.6 80.8	84·3 82·5 80·7 78·9 81·8	86.0 83.1 81.6 79.1 82.7	88.0 83.2 81.8 78.8 82.2	89·3 84·0 82·0 80·5 81·5	90·4 84·6 82·5 80·5 84·3	90·5 84·6 82·8 79·8 84·4	91·3 84·1 82·9 80·4 84·4	91·2 84·1 83·3 80·0 85·0	91·1 83·3 83·2 79·7 85·0	90.6 82.7 83.5 78.7 85.1	87-9 82-2 83-1 78-7 84-9		83.5 80.9 79.5 77.3 81.3	81.7 80.2 79.0 77.8 81.0	81-0 79-1 78-6 78-2 79-0	80-7 79-0 78-0 78-2 79-2	85-2 82-2 80-5 78-8 81-3
16 17 18 19 20	79-4 74-5 77-9 75-8 81-0	79·2 73·9 77·1 75·1 81·0	79.0 73.0 76.1 74.7 81.1	79·5 72·1 75·9 74·3 80·9	79.0 73.0 75.8 74.8 81.0	74-5 76-7 75-9	78·1 76·1 78·9 78·1 82·4	78-2 78-5 80-1 80-1 84-0	79·1 80·3 81·1 81·3 84·7	80·1 82·0 81·7 82·0 83·2	80.6 82.1 82.7 83.0 86.2	80.7 82.7 83.0 81.8 85.7	80·5 83·7 82·3 80·9 84·8	80.5 83.2 81.1 80.9 84.0	81·2 82·4 82·8 82·0 82·6	81.4 81.9 82.4 81.9	80.0 81.8 82.0 82.6 81.9	78·7 82·1 79·9 82·0 82·2	79-1 81-2 79-9 82-5 82-2	77-8 80-0 79-0 82-0 81-8	77-4 79-5 77-3 81-7 81-7	76 · 3 78 · 9 77 · 2 81 · 6 81 · 6	75-5 78-9 76-9 81-1 81-5	74-8 78-3 76-3 81-1 81-1	79·0 78·9 79·4 79·8 82·5
21 22 23 24 25	80 • 6 79 • 6 79 • 4 83 • 8 84 • 2	80·2 79·2 79·9 83·8 83·5	79-5 79-0 79-4 83-7 83-6	79-0 78-8 79-6 83-6 83-3	79-2 79-1 80-2 84-1 83-2	80-5 79-7 80-8 84-6 83-2	81.6 80.7 82.2 85.4 83.2	82·4 81·1 84·1 87·9 83·7	83·4 81·9 86·2 88·2 85·2	84.2 82.3 87.9 89.5 86.1	85·1 83·2 89·3 90·7 87·2	85.3 83.8 90.2 91.0 89.9	85.5 84.3 90.5 91.8 91.0	86 · 0 84 · 4 90 · 6 92 · 0 91 · 8	85-9 84-7 90-4 92-2 92-2	85.7 84.5 89.6 91.9 92.3	85·2 84·1 89·3 91·3 92·1	84.9 83.5 88.4 89.9 91.3	84-1 82-5 87-6 88-3 90-5	83-1 82-0 86-9 86-6 87-8	81.7 81.2 84.7 84.9 84.9	80-8 80-3 84-2 83-9 83-3	80-4 80-1 84-2 83-9 82-5	80-1 79-3 83-9 83-9 81-7	82·7 81·7 85·3 87·4 86·6
26 27 28 29 30	81.1 81.1 84.8 85.3 83.1	81-0 80-9 84-0 84-7 83-0	80.9 80.7 83.7 83.4 83.0	80·8 80·9 83·6 82·7 82·9	80-8 80-9 83-9 83-0 82-9	81.0 81.0 84.7 83.5 83.0	82·1 81·3 84·9 84·4 83·1	83·1 81·9 86·0 84·9 84·0	84.7 83.1 86.8 86.0 85.4	85·7 84·4 87·1 86·7 87·0	87.0 85.2 87.1 88.3 89.8	88-3 86-4 89-0 89-8 91-0	89·8 87·9 91·2 90·7 92·4	90-9 86-7 90-2 92-0 92-8	91.0 86.7 90.1 92.4 93.0	91-2 86-8 91-9 92-8 93-7	91-0 88-0 90-9 92-8 91-3	90-0 88-2 90-9 92-6 89-3	88-4 88-0 90-6 91-1 88-8	86 - 2 87 - 4 89 - 5 88 - 7 87 - 8	83.8 87.3 88.0 86.8 87.1	82.4 87.1 87.1 85.0 86.0	81-9 86-6 87-4 83-8 86-0	81.7 85.9 86.2 83.4 85.8	85·2 84·7 87·5 87·3 87·1
31 Mean	85-3 81-2	84-6 81-0	84-0	83·0 80·4	82·9 80·4	82-6	82.7	82·4 82·9	82-9 84-0	83.1		84-0	84·7 87·3		84·7 87·5	85·3 87·5		85-6		85-2 84-4	85-2	85-2	85-1	85-1	84·3 83·9

461. KI	W OBS	ERVAT	ORY:	Nort	h Wal	1 Scr	een:	ht =	3•0	metre	s												JUN	E, 193	55
Day 1 2 3 4	% 84.7 85.0 83.6 84.2	°A 84.0 84.9 83.6 83.7	°A 84·1 84·8 83·6 83·6 82·8	°A 83-9 84-8 83-7 84-0	°A 83-9 85-0 83-8 84-4	°A 84.0 85.2 84.3 85.0	°A 83·9 85·7 85·7	°A 84.8 86.7 86.9 86.6	°A 85·2 87·9 87·6 87·5	°A 85·6 89·3 88·9 88·0	%A 86 • 3 90 • 8 87 • 2 88 • 8 87 • 0	°A 88-1 90-9 85-2 88-2 88-5	0A 88.0 89.9 89.4 88.2	°A 89·2 90·9 87·9 87·6 90·0	°A 91.0 91.0 86.3 88.2 90.9	°A 91·3 91·8 88·9 88·7 89·2	°A 90-4 91-1 88-7 88-9 89-6	89-4 89-7 88-0 88-0 88-9	88 · 7 88 · 0 89 · 0 87 · 6 87 · 6	°A 87-3 87-9 86-6 86-3 86-4	°A 86 · 3 86 · 8 85 · 2 85 · 1 85 · 8	% 86.2 85.6 84.9 84.9	85.0 84.9 84.4 84.7	°A 85·2 84·1 84·4 84·0 84·5	°A 86.5 87.6 86.2 86.3 86.1
6 7 8 9	83.6 84.1 86.1 85.9 81.7 86.7	83-3 83-8 86-0 85-5 80-5 86-7	84·1 85·6 85·3 79·4 85·6	82-8 84-1 85-7 84-8 78-6 85-7	83.7 85.6 84.9 80.7 85.9	84-0 84-5 85-6 85-5 83-0 85-8	83.9 86.0 86.0 87.2 84.1 86.1	83.9 86.8 86.8 87.0 86.2 86.9	84-2 88-0 86-7 88-0 87-8 87-9	85-8 88-8 86-8 88-7 88-5 89-7	89-6 87-9 88-5 89-9 91-2	89.6 89.7 88.9 90.4 92.9	88-9 90-1 89-2 91-8 91-5	87-6 90-5 89-9 92-3 90-3	87-6 90-2 89-4 92-9 89-9	86 · 6 89 · 4 88 · 5 92 · 5 89 · 9	86 · 7 89 · 0 89 · 9 92 · 0 92 · 5	86 - 6 88 - 5 89 - 9 91 - 2 91 - 2	86 • 6 87 • 7 88 • 9 88 • 7 90 • 0	86 · 6 87 · 2 87 · 0 87 · 6 88 · 7	86 • 6 86 • 6 85 • 6 87 • 1 87 • 4	86 · 3 86 · 6 84 · 9 86 · 9	86 · 2 86 · 2 83 · 8 86 · 8 86 · 4	86 · 2 85 · 7 82 · 8 86 · 7 86 · 2	86·4 87·4 87·1 86·9 88·4
11 12 13 14 15	85·9 83·7 84·9 85·6 82·9	85-5 84-0 84-9 86-2 83-0	85·5 84·4 85·2 86·3 83·1	85-8 84-3 85-4 86-0 83-4	85-9 84-3 85-9 85-6 83-4	86 • 5 85 • 4 96 • 0 86 • 2 84 • 8	86 - 9 86 - 4 86 - 3 87 - 5 87 - 4	87-1 86-9 87-1 87-9 87-3	88-4 87-3 88-0 89-4 88-7	88-0 87-3 89-0 90-4 87-5		89·1 88·2 90·7 91·2 87·7	89·2 88·9 91·5 91·8 88·7	89.8 90.1 91.7 90.1 89.8	89·7 90·2 91·8 89·8 89·4	89-5 90-6 91-7 89-2 90-4	86 · 8 90 · 5 91 · 6 88 · 2 89 · 5	85.0 90.0 91.5 87.4 87.7	85-1 89-6 90-1 86-8 86-2	85-2 87-6 87-2 86-3 85-3	84-7 87-6 86-4 85-6 85-2	84·1 85·2 85·4 84·6 84·6	83-9 84-5 84-7 83-9 84-8	83-4 84-9 85-2 83-5 84-6	86 - 7 87 - 0 88 - 0 87 - 6 86 - 4
16 17 18 19 20	84 • 5 84 • 8 84 • 7 86 • 6 87 • 9	84-6 84-5 85-1 86-2 87-7	84-2 83-8 85-7 85-9 87-6	83-6 84-4 86-4 85-8 87-5	83-6 84-5 86-6 85-6 87-6	84-0 85-1 86-7 85-5 87-6	85.5 86.2 88.0 85.9 87.6		87·4 88·3 88·2 87·3 88·7	87-5 88-8 88-5 87-9 89-6	89-0 89-6 88-7 88-7 89-7	85-8 90-7 89-8 90-6 89-4	88-6 91-6 89-9 91-8 89-6	87-7 90-8 90-9 92-9 89-8	89-6 91-2 92-0 92-4 89-7	89.0 90.2 92.1 91.7 89.7	89-6 89-4 92-4 90-6 89-4	89·3 88·1 90·9 88·8 89·1	89•5 86•9 89•8 88•7 88•7	87-2 85-6 89-3 88-5 88-5	85-9 84-8 88-7 88-4 88-4	85-1 84-6 88-2 88-3 88-3	84-8 84-4 88-0 88-1 88-2	84-9 84-4 87-0 87-9 88-2	86 • 5 87 • 1 88 • 6 88 • 3 88 • 6
21 22 23 24 25	88-2 87-9 91-9 92-5 93-4	88-2 87-4 91-2 92-2 92-6	88·1 87·1 90·9 91·5 92·3	88.1 96.7 90.7 91.2 91.8	88.5 89.3 90.9 91.7 92.0	88-6 91-1 92-1 92-9 93-2	89-0 93-3 93-3 94-0 94-3	90-0 95-0 95-0 95-6 96-0	90-9 96-7 96-5 96-9 97-9	92-5 97-5 97-5 98-3 98-8	93-4 98-9 98-9 99-5 00-0	94-0 00-1 99-7 00-4 99-7	94·2 00·9 99·6 01·1 96·0	94.5 01.0 00.1 00.8 93.1	95.6 00.3 99.9 01.1 92.6	95.8 00.1 00.0 01.3 93.4	97·1 99·4 99·5 00·7 93·7	98-2 98-5 99-5 00-3 93-3	97-8 97-2 98-7 99-5 92-2	94-9 -95-3 96-6 97-8 92-0	92.6 94.2 95.2 96.9 91.6	90-6 93-6 94-7 96-2 91-6	89-6 93-0 93-8 95-4 91-5	88-6 92-3 93-3 94-5 91-4	92-0 94-8 95-8 96-7 94-0
26 27 28 29 30	91-4 89-3 86-8 88-4 89-8	91-3 89-3 86-0 87-9 89-4	90·6 89·4 85·4 87·4 89·0	90-3 89-3 84-6 86-6 88-7	90-0 89-5 86-4 87-4 89-2	90-7 89-6 87-4 88-6 90-6	91.0 89.3 87.5 90.6 91.8	91.2 89.6 89.0 94.0 93.6	92-7 90-5 90-5 94-8 95-2	93·1 92·3 91·6 95·4 96·1	93·5 92·7 92·5 96·4 96·8	93·7 93·4 93·7 97·2 97·2	94·4 92·0 94·0 97·7 98·3	94-5 93-0 95-0 98-6 98-2	94.7 93.1 95.6 99.1 98.3	95-4 93-1 96-0 99-0 98-1	95-5 93-3 97-1 98-4 97-2	96·4 92·5 98·2 97·3 96·4	94·1 92·6 97·2 96·1 95·4	93-0 92-0 95-4 93-9 93-8	91-6 90-7 92-1 92-5 92-8	90-6 89-5 90-6 91-5 92-4	89-8 88-5 89-2 90-6 91-6	89-7 87-6 89-0 90-2 90-8	92.5 91.0 91.3 93.3 93.8
Mean	86 • 6	86-3	86-1	86-0	86•3	87•0	87-9	88-8	89-8	90-6	91-4	91-8	92-2	92-3	92-5	92-4	92-3	91-7	90-8	89-6	88-6	87-9	87-4	87-0	89-3
Hour G. M. T.	1	2	3	4	5	6	7	8.	9	10.	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

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

462. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulb above the ground) = 3.0 metres

JULY, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	.14	15	16	17	18	19	20	21	22	23	24	Mean
Day 1 2 3 4 5	90-2 91-2 89-7 88-8 90-8	°A 89-8 91-1 89-3 88-9 90-2	% 89.0 89.8 89.3 88.9 89.8	°A 88-2 89-6 89-2 88-9 89-2	0A 89·2 89·5 89·0 89·2 90·1	89-6 89-1 89-0 89-8 90-2	90-4 89-0 88-8 90-7 91-0	91-4 90-6 89-7 91-3 91-2	92-9 91-6 90-8 92-5 91-5	94.6 92.2 91.4 93.4 92.5	95.6 92.7 92.0 94.1 93.0	96.7 93.8 92.6 94.9 93.0	°A 96·8 94·7 93·5 95·2 94·0	98·1 94·2 94·3 95·7 94·2	98-0 93-9 94-5 96-7 94-7	98·3 94·2 95·6 96·5 95·0	97-2 94-2 95-9 96-5 94-6	96-6 93-9 95-2 96-3 93-9	95.2 92.9 94.4 95.0 92.6	94-4 92-1 92-2 94-2 92-2	92.7 91.1 90.8 93.0 91.4	92-4 90-6 89-7 92-6 90-7	92-3 90-6 88-7 91-9 89-9	92.2 90.3 88.7 91.6 89.7	93.4 91.8 91.5 92.7 91.9
6 7 8 9 10	89-3 87-0 86-2 87-5 88-4	88·7 85·6 85·3 87·2 88·4	87•7 85•5 85•0 87•0 87•1	87·3 84·0 84·7 86·9 86·5	86 • 9 85 • 0 85 • 6 87 • 2 87 • 3	87•4 85•9 87•5 88•5 89•2	87.9 87.0 88.3 89.9	88-6 88-5 89-7 91-6 91-9	88-7 91-2 90-8 93-5 94-1	89.7 92.5 91.1 95.3 96.0	90·5 94·0 92·1 95·8 96·9	91.0 94.5 92.5 96.8 97.6	91.7 94.7 93.2 98.1 98.3	92-5 95-2 93-6 98-2 99-0	93-6 95-2 93-7 98-7 99-2	93-8 95-3 94-0 99-1 00-0	94-2 95-0 94-2 99-1 00-7	94-3 94-5 93-2 97-2 99-3	94-4 93-4 92-6 96-0 97-2	92-5 91-4 90-5 94-4 95-5	91-2 89-9 89-1 92-5 94-2	90.0 89.3 88.5 92.0 93.5	89-0 87-6 88-3 90-6 92-6	87-9 87-0 87-7 89-3 92-0	90·4 90·4 89·9 93·0 93·9
11 12 13 14 15	91.2 91.1 91.5 91.6 91.7	90-9 90-9 90-7 91-5 90-9	90-5 90-4 89-7 90-1 90-0	89-6 89-7 89-6 89-2 88-6	90•3 89•5 90•0 89•8 88•2	91.7 89.9 91.2 90.8 89.2	92-1 90-2 92-6 92-6 90-6	93·1 92·0 94·3 94·4 91·6	94.6 93.4 96.3 96.3 93.0	96.0 94.3 98.1 98.3 94.5	97·2 95·0 99·5 99·3 96·2	98·2 96·3 00·6 00·2 97·6	98.2 98.0 01.5 01.0 98.5	96.2 99.1 01.8 01.5 99.4	96 · 1 99 · 7 01 · 7 02 · 0 00 · 2	98-0 99-4 01-5 02-2 99-8	97-9 99-0 01-0 02-1 00-4	97·1 98·5 00·3 01·7 00·3	96·1 97·2 99·0 98·7 99·7	95·4 94·3 97·1 96·9 97·2	94-0 94-0 95-7 95-1 95-3	93·2 93·2 94·3 94·4 94·1	92.3 92.7 93.3 93.8 93.2	91.5 92.0 91.8 92.3 92.7	94.2 94.1 96.0 96.1 94.7
16 17 18 19 20	92·1 88·8 86·4 85·1 88·1	91.5 88.5 85.9 84.9 87.7	91.0 88.0 86.0 84.8 87.8	90·3 87·9 86·1 85·0 87·8	90·4 88·2 86·4 85·3 87·9	90.4 88.9 87.1 86.1 88.2	90.6 90.1 88.2 87.5 88.9	91.7 90.5 89.0 89.6 90.3	93·3 91·7 90·2 90·3 91·3	94-1 92-3 91-9 91-0 91-6	95·2 93·5 91·7 92·0 92·5	96.0 94.2 91.0 92.5 92.2	96-6 94-5 90-1 92-7 93-0	97-1 95-0 90-6 91-8 93-2	98-0 94-7 92-3 91-0 92-8	98-6 95-0 89-7 90-4 89-9	98·7 94·5 88·4 89·7 88·5	98-0 93-2 91-0 89-6 90-5	97-0 92-1 90-6 88-9 90-5	94-6 91-3 90-0 88-8 89-2	92-9 90-4 88-4 88-4 87-8	91.7 89.5 87.2 88.3 86.8	90-5 88-3 87-2 87-7 86-6	89-6 87-2 86-3 87-9 85-9	93·8 91·2 88·8 88·7 89·6
21 22 23 24 25	85-4 87-7 91-3 88-6 90-0	84-8 87-8 90-4 87-9 89-4	84-3 87-9 89-0 87-8 88-6	84.0 87.9 87.9 87.0 88.1	84-4 88-0 87-6 86-9 88-0	85•7 88•5 89•6 87•8 88•9	86.6 89.1 91.0 89.9 89.6	67-9 90-3 92-8 91-9 90-5	89·1 91·5 94·5 94·5 91·1	89-6 91-3 94-9 96-0 92-1	90·4 92·6 95·6 96·6 93·9	91·1 92·9 96·3 98·3 95·3	91.5 93.3 96.8 98.0 98.0	91-9 94-1 98-3 99-2 96-9	92-0 94-6 98-1 99-6 97-4	92-6 95-4 98-5 98-3 97-9	91-7 94-9 98-3 97-9 98-0	91 · 2 94 · 6 97 · 6 96 · 9 97 · 9	90.5 94.3 97.1 96.0 96.0	89-9 93-6 94-1 94-9 93-5	89.2 93.1 92.1 93.4 91.7	88.9 92.6 91.0 93.3 90.9	88.5 92.0 89.5 92.1 89.1	88.2 91.6 89.2 91.0 89.7	88.7 91.6 93.4 93.5 92.6
26 27 28 29 30	89·4 88·6 91·6 91·1 87·1	89-0 87-3 91-6 91-1 85-9	88-6 87-2 91-6 91-0 85-3	87-9 87-1 91-0 90-6 84-2	87•7 87•6 90•6 90•1 83•9	88 • 5 88 • 4 90 • 6 89 • 6 84 • 6	89.5 89.7 91.3 89.3 85.4	90.1 91.0 91.8 89.1 87.0	91·1 92·8 92·4 89·5 88·6	91.6 93.3 93.6 90.2 89.6	93-2 94-0 94-5 91-0 90-7	93.7 94.9 95.3 91.9 91.6		95·3 96·4 96·5 92·9 93·1	95-9 96-9 96-7 93-2 93-7		95-7 96-5 96-4 93-4 94-1	95.5 95.4 97.1 93.3 94.0	94.5 93.5 96.3 92.4 93.3	93.0 92.8 94.2 90.6 91.5	92.0 92.0 92.4 89.7 90.2	89.9 91.2 92.2 89.1 89.1	88 • 1 91 • 0 92 • 0 88 • 6 88 • 1	88.0 91.2 91.2 88.1 86.6	91.7 92.1 93.5 90.9 89.4
31 Mean	85-6 89-1	85•0 88•6	84·2 88·2	83·2 <u>87·7</u>	82.5	84-0	89-5	90-7	90-0	90-6		92.1	93·0 95·3		94·3 96·1		95-9	95·6	93-9	90-2	91-7	90-9	90-1	84-9	92-0

	403.	KEW	OBSERVATORY:	North Wall	Screen:	nt =	3.0	netres
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AUGUST, 1935

463. KI	EW OBS	ERVAT	ORI:	Nort	u war	T SCL	een:	nt =	5.0	metre	S												10005	1, 195	つ
Day	οA	٥A	οA	Φ	οA	OA.	Φ	o <u>A</u>	οA	٥A	۰A	o _A	οA	°A	o _A	o <u>k</u> o	°A	°A	OA.	°A	οA	o _A	o _A	OA_	°A.
1	84-6	83.9	83-8	83-8	83-0	86-0	86 • 7	88-2	88-8	89-6	90.6	91-6	92-7	92-9	93-5	93.3	93.3	92-7	92-0	90-3	88-9	88-0	86 • 6	85.5	88-8
2	85-2	84-6	84-3	83-8	83-6	84-9	86 • 6	88-5	89-6	90-7	91-4	92.8	93-5	94-9	94-7	95-1	95-2	94-2	92-9	90.7	89-3	87-6	86 • 8	86 • 0	89.4
3	85-5	84-8	84-2	84-1	84-0	85-1	86.3	86-8	87-6	88•3	89-0	89-6		91-5	93-1	93-9	94-0	92-4	91-3	90-3	89-2	88-4	87-1	86 • 4	88.5
4	85-9	85-0	83-7	85-4	85-0	85-8		88-1	89-9	91-4		93.6	93.9	94-4	95.5	96 • 4	94-7	93-6	94-4	91.9	90-6	89-7 93-0	87·9 91·3	87.2	90·1 92·2
. 5	86 - 2	86 • 4	85-5	85•2	85-1	86 - 2	88•0	90.1	92-3	93-9	94-7	95•7	97-4	97-7	98-1	98-6	98-1	96 • 4	96 • 6	93-7	94-3	93.0	91.3	90-0	92.2
6	88-8	88•7	87-6	88-2	87-5	88•5	90-1	91-6	93-8	95-9	97-1	98-0	98-9	99-9	99-7	99-6	00-0	00-0	99-0	96 • 3	94-6	93-4	91.3	90-3	94-1
7	89-4	89•0	88-5	88-5	87-9	89.0	91.0	92-5	94-4	95-5	97-5	98-9		01-5	01-4	00-1	01.1	98-9	98-1	96-1	94-7	93-4	91-8	91.2	94.6
8	90-7	90-0	89-3	88-7	88-4	90-1		94-0	94-9	96 • 0	97-9	99-3	01-4	01-3	01.6	00-6	00-2	99-6	97-8	96 • 8	95-9	94-6	93.3	92.6	95·3 92·1
9	92-1	91.5	91.5	91-4	91.0	90-3	90.9	91.0	91.7	93-0	93.2	93.3		93-8	94-1		94-9	94-8	94.1	91.4	90-0	90 <b>-4</b> 91-5	88-9	86 • 8	92-4
10	87-1	86-6	85-9	85•3	85-0	86 • 1	87.1	90-3	92-1	94.0	95•3	96-3	97-0	97.9	98-4	99-0	99-4	99-3	97.6	94-6	92-7	aT-2	80-1	99.6	92.4
11	89-1	88-5	87-7	87-6	86-6	88•3	89.7	91-1	91.6	92-7	94.3	95-6	95-7	96 • 5	97-3	98-2	99-4	99-4		94.2	92-7	91-9	91-1	90•3	92.7
12	89-2	87-7	86 • 7	86 - 1	86 - 1	86-9	88-4	89-6	91-6	93.1	94.2	94.3	95-4	95 • 7	94-6	93.5	91-4	89-8	89-2	88-7	88-6	87-7	87-2	87-2	90.2
13	87-2	86-9	86-0	85-2	84-7	84-5	85-6	86.9	88-0	89-2	89-8	90-9		91.9	92-4	92.4	92-2	91.8	91.0	89-6	88-2		86 - 1	85.3	88-5
14	84-4	84-3	83-5	82-5	82.5	83-4	84-4	87-2	89-2	89-6		91.5		91-9	92-3	92-7	92-3	91.8	91.5	90-4	90-3	90-0	89.5	89-1	88-5
15	88-8	88•7	88-1	87-7	87-5	87-6	87•7	88-4	89 • 7	91.2	91.3	92-4	92•7	92-7	93-2	93-2	93-3	92-6	92-0	90-6	90-6	90-2	89-9	89-2	90-4
16	88-2	87•7	86-6	86 • 1	86 • 3	87-5	88.8	89-8	91.0	92.3	92.5	91-7		92.0	94.6	94-0	93.2	92-9	92.3	91.8	91-2	90-9	90-2	89-1	90.5
17	87-7	87-3	87-0	86 • 4	85-5	86 - 2		89-7	90-9	91.8	92.9	94.2	94-9	95-2	94-9	95-0	95-2	94-5	93.2	92-2	92-0	91.6	91-0	90.4	91.1
18	90-2	88-8	88-7	88-4	88-5	88-8		90-8	91.8	92-4	93.7	94.2			94.9		93-8		92-4	91-0	89-9	89-6	88-7	87-8	91·3 91·7
19	87-9	87-6	87.2	87-1	87-0	88-1		87-5	88.8	90-8		94.3		95-9 99-7	96 • 9 00 • 1	99-2	97•7 99•7	98-5	95·4 96·4	94-2	93-0	91·8 91·0	91-2 89-7	90-2	93.7
20	89-7	89-4	89-0	89-4	89-2	89-4	90-2	91-7	93-4	95•3	96 • 4	97-5	80.0	99-1	00-1	88.5	99-1	30.0	90.4	94-0	82.4	91-0	09-1	80.1	93-1
21	89-6	89-7	89-0	88•9	88-5	88-4	91.6	94-4	96 • 5	97-6	98-8	99-8	00•в	01-0	00-9	00-9	99•3	00-1	97.2	94-6	93-0	92.7	91-8	91.0	94-8
22	90-4	89-2	89-0	88-6	88-5	88-7	92.3	95-5	97-2	97-8	99.7	01.0		01.7	01-1	00-3	99-6		97.3	94-5	93-4	92-3	90.8	89-4	95-0
23	88-8	89-1	88-1	89-2	88-1	88-1		88-0	89-9	90.7	91.3	90.1		93-6		93-1	92-2	91-6	91.2	90-6	89-7	89-4	89-1	89-3	90·1 89·2
24	89-3	89-3	89-3	89-5	89-6	89-6	89.5	89-5	89-5	89-7		89-8		90-4 93-0	91·1 94·3		89-1	88-3 94-5	88-1	88.0	87·7 90·2	87•7 89•7	87·4 90·7	87-2	90-0
25	87-0	86 • 4	85-9	85-5	85•9	85•7	86 • 4	87-9	89-8	90-4	91.5	92.6	93-0	93-0	94.3	94.3	94-9	24.2	92.5	90-6	90.2	08-1	90.1	89-0	90-0
26	89-4	89-1	89-0	88•0	88-0	88-2	87-9	88-2	88-4	89-1	89-6	90-8		93-9	94-7	96 - 2	96-9		93•6	92-4	91-6	91-0	91.0	91-0	91.0
27	91-0	90-9	90-7	88-0	88-2	87-9	88-9	89-4	88•3	88-8	89-2	89-0		89-8	90-2	90-5	89-9	89-7	88-5	87-0	85-9	85-1	84 • 5	83-5	88-7
28	82-9	81.4	81-0	81-0	80-6	81.5	83-6	85-0	86 - 2	87-2	88-0	89-0		89-3		91-1	88-1		87-3	86 • 6	85-2	84-6	83-7	82-8	85.7
29	82-6	82-1	81.7	82-2	82-6	82.3	83.1	84-6	86 • 4	87-6	88-7	89.0		89-5	90-3		90-9	89-1	88.1	87-1	86.8	86 • 2	85.7	85-1	86.3
30	85-0	84-9	84.7	84-5	84-5	84-9	86•0	87•3	88-6	89-4	89•3	89-8	89-9	88-3	86 • 4	86-3	86 • 3	86-7	87-0	87•3	88-4	88-5	88•8	89-0	87-1
31	88•8	89•3	89-4	89-5	89-1	89-3	90•1	90-8	91-8	92-7	92-1	93-3	93-4	93-6	92-9	93•0	93-1	91-7	90•8	90-3	90-2	90-1	89-9	89-7	91.0
Mean	<b>87-</b> 8	87-4	86-9	86-6	<u>86 • 4</u>	87-0	88-2	89-5	90-8	91-9	92-7	93-5	94-2	94-7	95•1	<u>95•1</u>	94-8	94-2	93-1	91-5	90-7	89-9	89•1	88-4	90-8
Hour G. M. T.	1	2	3	4	5	6	7,	. 8	9	10	11	Noon	1.3	14	15	16	17	18	19	20	21	22	23	24	Mean

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

464. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulb above the ground) = 3.0 metres SEPTEMBER, 1935

	_	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	1.6	17	18	19	20	21	22	23	24	Me
ay	OA	OA.	Α°	o _A	o _A	o _A	°A	Δo	Αo	οA	°A	°A	o _A	OA.	OA	• <b>A</b>	OA.	• <u>A</u> •	OA_	°A	°A_	°A	°A	°A	
	89.7	89-3	88-8	88-1	87-9	88-3	88-9	90-1	91-4	92.2	91.3	93-0	93-7	94.0	93.2	94.6	93-3	92-7	91.7	91.1	90-7	90-0	89-9	90-0	91
- 1	90-1	89-2	88-8	88-1	88-1	87-9	89-0	89-1	89-0	91.1	90-1	90-2	91.3	92.3	92-8	89-0	90.1	90-6	89.7	88-5	87-8	87-2	86 • 5	86 • 4	89 89
	86 - 0	85-9	86 - 0	85-5	85.1	85-5	87•0	88-1	89-9	90-7	91.5	92-5	92-8	93.5	94-1	93-4	93.8	91.2	90-0	88-9	88-6	87.9	87-8	87-8	
	87-1	86 - 7	86 - 0	85-6	85-9	85-8	87-2	87.5	88-2	87-9	89-0	90-4	91.4	91.1	91-7		90-7	90-0		88.0	87-2	86 • 5	86 - 0	85-3	81
	85-2	84-9	84-9	85•3	85-8	85-9	86 • 5	87-1	87-8	89-4	89-6	90-4	91.0	92.2	91-8	91-4	90-8	90-0	88-3	87-1	86-6	85.7	85-3	84-9	8
6 6	84-7	84-2	83-8	83-4	83-3	83-2	84-1	85-3	86-8	87-9	88-8	89-7	90-2	90-8	91-2		91-2	90-7		86 • 6	85-7	86-2	85-9	86.1	8
	85-0	83-6	82-2	81.7	80-6	81-1	82-5	83-9	85-3	87.3	88-2	89-3	90-3	90-7	90-1	90.7	90-1	89-0	87-8	87-0	86 • 4	85-7	85-1	84.6	8
	84-0	82.7	82.1	82.3	82-0	82-0	83-3	85-0	86 - 4	87-7	89-1	90-4	90-8	92-4	91.1	91.9	91.1	89-3	87-9	87-1	86 - 9	86 • 3	86.0	86 - 1	1 8
	85-6	85-1	85-1	85-0	84.5	84-2	85-6	86 - 9	88-2	88.9	89 - 7	90-4	90-2	90.2	89.5	89-4	89-1	88-5	87-9	87-4	87-6	87-2	86 - 4	85-2	1 8
	84-8	84-8	84.4	83-6	82.7	81.8	82-6	.84•6	86 • 9	88•3	89-2	90-1	90-1	91.0	90-5	90-9	90-2	88-3	87.5	86 - 4	86 • 2	86-1	86-1	86 - 2	8
ı   6	84-9	84-2	83-8	83-0	82-4	82-0	84-4	86 - 6	88-6	89-9	91.2	91-9	92-3	92-8	92-8	92-9	92.0	89-7	88-0	86 - 7	86-2	85-9	85-7	85-6	8
-	85-6	85-6	85-5	85-1	85-1	84.9	86 - 2	88-5	91.2	92-2	92-9	93-5	94 • 4	93-6	92.5	92-4	92-4	91-6	90-0	88-8	87-6	87-1	86 - 9	87-7	1 8
.,.	88+0	88-5	88-5	88-1	88-0	88-4	88-9	89-7	90-0	90.6	91.1	91.9	92.6	92.7	92.6	92-6	92-5	90-9	89-2	88.2	87-4	86 - 7	86 - 1	86-1	1 8
	86-0	86 • 4	86.6	86-5	86 • 4	86 - 2	87-6	89-0	90-5	91.0	92-1	92-8	93-0	91.8	92-5	92.9	91.9	90-4	89-4	88-6	88-2	88•0	87-6	87-5	1 8
	86 -6	86 • 2	85-9	86-0	85-9	86 - 5	88-0	88-8	89-2	89-0	89-3	90-1	89-2	89-5	90-5	90-5	90-2	89-6	88-2	87-3	86-9	86 • 4	85 • 8	85-5	18
							05.5	00 5	07.0	88-9	89-5	89-4	89-9	89.7	90-2	89-2	88-7	88-5	88-4	86-9	87-2	87-5	87-7	87-6	Į,
	85-5	85-4	85-2	85-0	84.6	84.4	85•5	86 • 5	87-8						90.3	90.2	89-9	88-9	87-9	87-3	86-7	86-2	85-7	85-5	L
	87-9	87-3	86 • 7	86 - 5	85-8	86 • 0	86 • 5	86 • 3	87-4	88-2	88-6	89-4	88•7 88•9	90·4 88·2	88-2		88-9	88-0	87-7	87-5	87-3	87-4	87.4	87.1	18
	85-7	85-0	84-7	84.7	84.6	84.5	84.8	85-2	86 • 3	87-2	88.3	88-5		93.7	93-6		92-0	90-6	89-6	88-9	88-8	88-3	88-5	88-7	
	87.0	86 • 9	87-1	87-5	88 • 2	88-9	89-6	90.5	91.1	92-6	92.9	93-5			93.0		92.7	91-6	90-2	89-0	87-3	86 - 2	85-4	85-0	П
8 09	88-9	88-8	88•7	88-7	88-5	88•5	88-6	90-1	90-4	90-8	91•1	92-2	93-2	93.9	83.0	92.8	92.1	91-0	30°E	00-0	01-3		00 -		1
21 8	83-9	83-9	83-3	83-3	83-5	84-0	85-0	87-0	88-7	89-6	90-2	90-3	91-0	92-0	92-6	93-0	93-3	92-2	91-2	90-6	90-0	89-6	89-6	89-5	H
	88-9	88-9	88-9	89-2	90-2	90-2	89-9	90.2	90.6	90-6	89-5	89-6	89-0	89-2	89-7	89-6	89-3	88-3	87-0	86 • 6	85-8	85-3	84-8	83 • 7	1
	83-6	83-6	83-1	82.1	81.1	80.7	81.4	83-0	84 - 7	85-7	87-2	88-8	88-0	88-6	89-2	89-1	88-7	87-2	86 - 8	84-8	83-8	82-5	82.1	81-4	1
	81-8	81.8	82-4	82-4	82.5	82-6	83-4	83.7	84.7	86 - 7	87.7	87-0	86-8	87-0	87-3	87-0	87-6	88-0	88-2	88-3	88-7	88-2	87.5	86-8	L
-	86 - 4	86 • 2	85-8	85-2	84-8	83-6	83-4	83-6	84-4	85-1	86 - 0	86 • 3	86-9	87.3	87-4	87:4	869	85-8	84-8	83-6	82-1	81.8	79-9	80-9	Ľ
		<b>70</b> 0	<b>70.1</b>	70.4	78-3	77-2	79-6	80-7	82-2	84.2	86-3	87-3	88-2	88-2	88-2	87-8	87.3	86 - 7	86 - 2	85-7	85-6	85-7	86 • 0	86 • 0	
	80-3	79•3 86•6	79•1 86•9	78-4 87-1	87-6	88-0	88-4	88-9	89-1	90.2	90-6	92-2	92.7	93.6	93-9	93-6	92.3	91.2	90-4	89-6	89-0	89-2	89-2	89-1	
	86 • 0		89-2	89.7	90.0	90-0	90-0	90-3	90-2	90-9	91.4	92.3		93-6			91.6	90.5	89-2	89-0	88-9	88-5	87-7	87-6	1
	89-1	89-1	87.9	88•0	87-9	87-9	86.0	85-0	84-2	83-4	83-5	84-0	84.2	85.7	87-6		87.9	87-0	86-0	85-5	85-2	85-7	86 - 2	86 - 5	1
	87.5	87•9 85•6	85-9	86 • 4	86-6	86 - 9	86-9	86 - 7	87.4	86 • 4	87.0	86-9		83-1	85.7		85-9	84-8	84-0	83-7	83-1	82-8	82-4	82-1	H
80 8	86 - 2	00.0	99-9	00*4	20.40	30.9	30-8		51.4	~ ·	, ,				.										
											89-4	90-1		-	90-9	-	90-4	89-4	88-4	87.5	87-0	86 • 6	86 - 2	86 - 1	1

465.	KEW	OBSERVATORY:	North	Wall	Screen:	nt =	3.0	metres
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OCTOBER. 1935

<b>4</b> 65. K	EW OB	SERVA	TORY:	Nor	th Wa	11 Sc:	reen:	ht :	= 3.0	metr	es											OC:	TOBER	, 193	
Day 1 2 3 4	0A 82.0 81.6 83.4 83.3 84.0	%A 81.9 81.2 82.9 83.4 84.1	°A 81.8 80.5 82.5 83.3 84.2	°A 82-0 80-3 82-9 83-6 83-9	°A 82·1 79·6 81·5 84·0 83·7	°A 82·2 79·0 81·0 84·6 83·0	oa 82-9 79-6 82-0 84-6 82-7	°A 84·1 81·2 82·8 85·4 83·5	°A 85•6 82•6 84•8 86•5 84•5	°A 86.6 83.4 84.7 86.9 85.1	°A 87·0 85·0 84·7 86·4 86·5	°A 86-8 86-4 85-0 87-4 86-7		°A 86·1 86·5 84·9 87·0 87·2	% 86.9 86.1 84.6 87.2 87.4	% 86.0 86.0 84.6 87.6 86.8	85·3 84·8 83·9 87·0 86·1	°A 84-6 84-0 83-1 86-4 85-5	°A 84·4 84·5 83·4 85·7 84·8	°A 84·3 84·6 83·0 85·0 84·3	% 84.2 85.3 83.0 84.3 83.6	% 83-8 85-0 83-2 84-2 83-3	°A 83-1 84-3 83-2 84-5 82-6	0A 82.8 84.0 83.1 84.4 81.6	0A 84-2 83-4 83-5 85-4 84-7
6 7 8 9 10	81.3 79.6 81.0 81.3 88.3	81.8 78.7 80.7 81.9 88.2	81-0 78-7 80-7 82-2 87-9	79-8 78-6 82-5 81-7 87-9	79-6 78-0 82-7 81-2 88-0	80-0 77-6 83-2 81-3 87-3	80.9 77.9 83.7 81.7 86.4	80.8 78.4 84.3 82.5 85.2	81•4 79•0 84•6 84•0 85•1	82·4 81·0 84·0 84·9 85·5	83-4 83-5 83-4 86-0 85-9	84 · 2 85 · 6 83 · 6 86 · 0 86 · 4	87•0 86•7	86 · 2 87 · 4 84 · 5 86 · 7 87 · 0	86.0 87.4 85.2 86.5 87.1	ŀ	85-8 86-4 84-4 85-9 85-7		82-4 84-0 82-5 86-5 83-7	81-2 83-0 81-9 87-2 83-1	81-1 82-4 81-7 87-7 82-8		79-9 80-8 81-2 87-4 82-3	80-1 81-0 81-2 87-9 82-2	82·4 82·1 82·9 85·0 85·8
11 12 13 14 15	82-2 79-4 80-0 83-1 85-2	82·1 78·9 79·5 83·2 85·4	82•2 78•3 79•9 83•5 85•2	82.0 77.8 78.9 84.0 85.2	81.9 77.6 79.6 84.2 85.6	81-4 77-4 78-7 84-3 85-6	81-3 76-7 78-7 84-6 85-9	82-4 78-8 80-3 85-0 86-4	83 · 8 80 · 7 82 · 5 85 · 6 87 · 4	84.9 82.1 84.2 86.4 87.5	85-9 84-3 85-5 87-5 87-8	86 · 5 85 · 2 86 · 4 87 · 5 88 · 0	87.6 86.0 86.5 88.0 88.2	86.6 87.0 86.7 88.1 88.5	86 · 4 86 · 8 87 · 0 88 · 0 88 · 3	86 • 5 86 • 8 86 • 4 88 • 0 88 • 2	85.5 85.7 85.7 87.4 87.6	84-2 84-0 84-9 86-4 87-4	83-4 82-4 83-9 85-5 87-2	82·4 81·7 83·1 85·2 87·1	81-9 81-1 82-5 85-2 86-9	81.0 80.5 82.5 85.5 86.5	80-4 80-4 82-6 85-6 86-0	79-8 80-1 83-3 85-1 85-8	83.5 81.7 82.8 85.7 86.8
16 17 18 19 20	86 • 1 85 • 6 84 • 0 84 • 9 81 • 3	86 • 1 85 • 5 84 • 1 85 • 2 81 • 3	86 • 1 85 • 4 84 • 1 85 • 5 81 • 3	86 • 0 85 • 1 84 • 6 85 • 5 81 • 0	85-6 84-8 85-0 85-6 81-0	85-9 84-2 84-2 83-4 80-7	86 • 0 83 • 0 83 • 5 83 • 1 80 • 7	86-0 83-9 83-7 83-4 80-8	86.4 85.2 84.7 84.3 81.3	87-0 86-2 85-1 84-8 81-6	87-9 87-1 85-5 85-0 82-0	88-5 87-7 85-6 85-6 82-0	85•6 82•0	89.6 88.5 87.2 85.6 81.9	89.7 88.2 87.4 85.0 81.8	87·2 87·1 84·6 81·7	86 · 4 86 · 5 83 · 7 80 · 3	85.9 86.0 82.9 79.3	85·4 86·1 82·4 78·2	85·1 86·0 82·0 77·4	84 • 7 85 • 9 81 • 8 76 • 4	84•0 85•3	83 · 8 85 · 0 81 · 3 75 · 3	84-0 85-0 80-9 75-0	85.7 85.3 84.0 80.1 76.8 79.4
21 22 23 24 25	78•4 75•4 80•2 79•6	78-4 75-3 80-0 79-6	78-1 75-6 80-1 79-3	78·4 75·5 80·1 79·3	78-4 75-7 80-1 79-3	78•5 74•9 79•9	78-6 75-6 79-9 78-8	78 • 7 76 • 4 80 • 3 78 • 5	78.7 79.2 81.2 80.1	79.6 81.5 82.2 81.6	80-1 82-5 83-1 82-5	80 · 2 83 · 3 83 · 4 83 · 0	80-6 83-9 83-4	81·1 84·0 82·6 83·7	81·3 83·6 81·8 83·7	81-6	81.6 81.0 80.9 81.8	81 · 2 79 · 9 80 · 6 80 · 9	80-6 79-9 80-0 79-9	80.0 80.0 80.1 78.9	78·3 80·2 80·3 77·9	77-9 80-5 80-1 76-7	76 - 9 80 - 5 80 - 0 76 - 3	76 • 6 80 • 3 79 • 7 75 • 5	79-4 80-9 80-2 78-9
27 28 29 30	85-0 87-6 87-6 80-2 84-9	85.2 87.7 87.6 79.7	86 - 2 87 - 7 87 - 5 79 - 8	86.6 87.7 87.3 79.3	86 · 9 87 · 7 87 · 0 79 · 0	86 • 7 87 • 9 86 • 9 78 • 9	86 • 5 88 • 1 87 • 0 79 • 7	86 · 4 89 · 0 87 · 6 80 · 8	87.0 89.1 88.0 82.4	87.2 89.3 88.0 83.7	87•4 89•3 88•0 84•7	88 · 1 88 · 8 88 · 4 85 · 2 87 · 5	88·4 89·5 88·5 85·1 87·6	88 · 8 89 · 3 87 · 6 85 · 0		87·7 89·5 88·1 84·7	87·2 88·9 87·5 84·9	87·2 88·8 85·6 84·9	87·2 88·5 84·4 85·0 87·2	87.6 87.3 83.6 84.8	87·7 87·1 82·8 84·8	87·7 87·2 81·6 84·6	87-8 87-6 81-2 84-6	87.7 87.6 80.8 84.9	87·1 88·4 86·4 82·9 85·7
Mean	82•1	82•0	82•0	81.9	81.8	81.5	81.6	82-2	83-2	84-0	84-9	85-4	85-9	86 • 0	86-0	85-8	85•1	84-3	83-8	83•4	83-1	82-8	82-6	82-4	83•5
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

NOVEMBER, 1935

TEMPERATURE
Readings in degrees absolute at exact hours, Greenwich Mean Time 387

466. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulb above the ground) = 3.0 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 1 2 3 4	%A 84-1 81-7 84-9 85-0 81-4	°A 83·9 82·9 84·3 85·0 81·0	°A 83·8 83·7 84·3 84·6 80·3	83.7 83.8 84.0 84.5 79.6	°A 83·7 85·0 83·9 83·9 79·2	°A 84·1 86·1 84·1 83·3 79·7	0A 85.9 86.1 84.6 83.5 79.6	°A 86·6 86·5 84·7 83·6 79·6	°A 87·2 85·8 85·9 84·1 79·6	°A 87.5 85.9 87.3 84.3 80.1	86.2 86.9 88.7 85.0 80.9	%A 86.7 87.0 89.2 86.0 81.3	°A 86 · 5 87 · 0 89 · 3 86 · 2 82 · 6	°A 85·5 87·4 89·6 86·1 83·4	°A 85-5 87-6 89-3 85-7 83-6	°A 85•3 87•2 88•8 84•8 83•4	°A 84·3 86·8 88·5 84·0 83·0	% 82.7 86.5 88.5 83.6 82.7	°A 82·1 86·4 88·2 83·6 82·7	°A 81·1 86·5 87·7 83·2 83·0	%A 81·1 85·5 87·8 83·6 82·9	% 81.0 85.5 87.9 83.1 81.8	%A 80.2 85.2 87.1 82.7 81.4	°A 81·2 85·2 85·7 82·2 80·3	% 84.2 85.7 86.8 84.3 81.4
6	79-7	79.0	78-6	78-2	77-3	76 • 6	76.6	77-0	78-3	79-4	82.0	82·4	83·1	82-7	81-7	81.6	80-7	79.7	79.0	78-5	77.8	77-8	77-6	77-4	79·3
7	77-5	76.6	76-7	76-7	76-9	76 • 9	78.1	78-6	79-7	80-6	81.5	81·6	80·9	80-3	80-2	80.0	80-0	79.8	79.7	79-6	79.5	79-4	79-3	79-2	79·1
8	78-5	77.9	77-4	76-8	76-2	76 • 2	75.9	75-9	76-4	77-4	80.6	81·2	81·4	80-7	81-3	80.3	79-8	80.5	80.4	80-9	80.7	80-3	80-2	80-3	79·0
9	80-2	80.2	80-6	80-0	80-5	81 • 0	81.8	82-3	82-2	82-2	82.4	83·0	83·2	83-5	82-9	82.1	81-1	80.0	79.9	80-6	81.8	82-9	82-8	82-8	81·6
10	83-0	83.1	82-7	82-7	83-0	82 • 7	83.2	83-3	83-4	84-0	82.7	82·7	83·4	83-7	83-0	82.6	81-4	81.7	81.0	81-0	80.4	81-1	80-3	79-6	82·4
11	79-6	78.5	78·4	77-9	77.2	76 • 2	75.9	76.0	78 • 7	77·4	78-4	80.8	82.2	82-4	82.7	81-8	81-0	81-4	81.5	81.5	81-9	82.6	82-8	82.7	79-8
12	82-9	82.2	82·2	82-2	81.7	80 • 9	80.3	79.7	80 • 1	80·7	81-3	81.3	82.2	82-4	81.6	79-0	78-4	78-3	78.3	78.5	78-4	77.5	78-0	77.4	80-3
13	78-0	78.7	78·7	78-5	78.4	78 • 2	78.1	77.7	78 • 2	79·0	79-5	81.0	81.2	81-2	81.5	80-7	79-7	79-3	78.9	79.0	79-0	78.1	77-4	77.5	79-1
14	78-2	78.0	78·1	78-5	78.8	79 • 0	80.0	81.3	82 • 5	83·5	83-8	84.1	84.2	83-9	83.9	83-8	84-1	84-3	84.5	84.4	84-5	84.5	84-2	84.0	82-2
15	84-3	84.3	84·1	83-9	83.9	83 • 5	82.6	82.5	83 • 2	83·9	83-5	83.1	83.0	83-7	83.1	82-3	80-8	80-7	80.5	80.7	80-8	80.1	78-8	78.6	82-4
16	78-7	79•3	79-0	78-9	79-8	79•4	79·5	79·4	80-3	80·7	81.0	82.0	81.7	80 · 2	80.2	79-8	79-2	80-0	80-4	81.0	81.0	81-0	81.0	81.0	80·1
17	81-4	81•9	81-9	82-0	81-9	81•7	81·7	81·9	82-3	82·4	82.3	82.3	82.2	81 · 4	80.6	80-0	80-0	80-7	80-5	80.4	80.4	80-5	80.5	80.5	81·3
18	80-6	80•6	80-7	80-3	80-4	80•3	80·4	80·4	80-8	81·2	81.4	81.7	82.4	82 · 5	82.4	82-2	81-8	81-5	81-6	81.7	81.9	81-6	81.5	81.4	81·3
19	80-9	80•2	79-9	78-9	78-6	77•4	76·1	75·7	76-9	77·8	81.5	82.7	83.3	82 · 9	82.6	82-2	82-0	61-9	81-4	81.1	80.9	81-0	81.1	81.0	80·3
20	80-9	80•8	80-7	80-9	81-1	81•3	81·5	81·8	82-4	82·6	82.5	82.5	82.6	82 · 8	82.8	82-8	83-0	83-0	83-2	83.2	83.4	83-6	83.8	82.6	82·3
21	81.7	81·3	80-9	80·3	79-7	78-6	78-2	78-8	79-5	79·7	80.0	80·5	80.6	80-8	80-9	80·9	80.9	81·0	80.9	80-6	81-2	81 • 1	81 · 1	80.7	80.5
22	80.8	80·6	80-3	80·2	80-1	80-3	79-7	79-6	80-1	80·2	80.5	80·7	81.1	81-3	81-4	81·3	81.3	81·1	80.7	80-6	80-7	80 • 0	79 · 6	78.7	80.5
23	79.2	79·4	78-9	78·8	78-7	78-3	78-0	77-6	78-0	78·2	78.4	77·9	80.2	79-9	80-1	79·4	78.5	77·9	77.1	76-6	76-3	75 • 5	75 · 4	75.2	78.1
24	74.8	75·1	74-9	74·8	74-2	73-8	74-3	74-1	74-7	75·5	77.6	78·7	79.1	79-4	79-1	78·1	77.4	76·8	76.6	76-5	76-1	74 • 9	74 · 0	73.5	76.0
25	73.1	72·7	72-4	72·2	71-9	71-7	71-5	72-3	72-3	73·9	75.3	75·9	77.2	77-2	77-2	76·5	75.5	74·8	74.5	74-0	73-9	73 • 6	72 · 7	72.8	74.0
26	73-0	73.6	72•6	73-1	74-9	75·1	76 • 3	77•2	78 • 1	79·7	80.8	81.8	82-1	82.0	81.9	81.5	80.7	80-7	81.0	80-2	80·1	79-9	80-0	79.5	78•4
27	79-5	79.6	78•8	78-2	77-5	76·6	76 • 5	75•6	76 • 3	77·7	79.6	80.9	81-0	81.2	80.5	79.8	79.2	78-9	78.3	79-0	79·5	79-7	79-7	80.3	78•9
28	80-2	80.6	81•4	82-5	83-0	83·0	83 • 5	83•7	84 • 0	84·6	84.6	84.7	85-0	85.9	85.6	84.9	84.7	84-3	83.8	83-4	83·0	82-6	82-4	82.1	83•4
29	81-4	81.3	80•6	80-2	79-8	78·8	78 • 2	78•9	79 • 0	79·9	80.1	81.9	82-4	82.8	82.3	81.7	81.3	81-7	80.8	81-3	81·2	81-2	80-5	80.4	80•8
30	80-0	79.5	79•2	79-6	79-2	79·1	79 • 7	80•1	80 • 7	80·8	81.5	81.4	81-5	81.6	81.4	81.2	81.0	81-4	81.7	81-8	82·9	82-7	82-4	82.1	80•9
Mean	80-2	80-1	79-9	79-7	79-7	<u>79-5</u>	79-6	79-7	80•3	80-9	81.7	82•2	82-6	82-6	82-4	81-9	81-3	81-2	81-0	80-9	80-9	80-7	80-5	80-2	80•8

467. KI	ew obs	ERVAI	ORY:	Nort	h Wal	.1 Ser	een:	ht =	3•0	metre	es .											DEC	MBER	, 1935	5
Day 1 2 3 4	°A 81-4 78-5 76-8 75-0 75-1	°A 81·1 77·7 76·8 75·0 75·7	°A 81-1 77-6 76-2 75-4 75-8	°A 81·1 77·2 76·2 75·2 75·8	% 80-9 76-9 75-6 75-7 75-7	% 81-1 76-9 75-6 75-9 75-6	% 80.0 76.9 75.0 76.1 75.5	°A 79·2 76·8 74·9 76·9 75·5	°A 79·1 77·2 75·4 77·3 75·5	°A 79-5 78-7 76-8 77-0 76-0	°A 79·7 79·4 77·6 77·5 76·3	°A 80·0 79·9 78·3 77·9 77·3	°A 80·7 80·2 78·6 79·1 78·0	°A 80-4 80-2 78-7 79-6 78-2	°A 80·1 79·9 78·6 79·2 78·0	°A 79·9 79·4 77·5 78·2 77·3	°A 79-4 78-7 77-0 76-6 75-7	°A 78·2 78·2 76·3 75·6 75·0	°A 78·7 78·0 76·0 75·0 74·5	°A 78-6 77-3 76-0 74-1 73-7	°A 78-6 77-4 75-6 73-4 73-3	°A 78.5 77.4 75.3 73.8 73.8	0A 78·6 76·9 74·9 74·0 73·2	°A 78·4 77·1 75·0 74·5 73·4	°A 79•8 78•1 76•5 76•2 75•6
6 7 8 9	73-1 76-6 76-9 78-2 78-4	73•4 75•8 76•3 78•0 78•4	73•6 75•0 76•0 77•9 78•5	73·9 73·5 75·6 77·4 78·5	74·3 74·2 75·9 77·4 78·1	74-6 74-6 76-4 78-1 78-3	74·7 74·5 76·2 78·3 78·4	75·1 73·4 75·9 78·4 78·4	75·2 73·0 75·7 78·5 78·3	75•9 73•2 76•6 78•6 78•4	76 • 4 73 • 6 79 • 2 79 • 6 78 • 8	76·6 73·9 79·5 79·6 79·1	77·4 74·2 79·8 79·7 79·1	78-2 74-9 80-6 79-6 79-0	78-5 75-2 81-2 79-6 78-9	78-0 75-4 80-2 79-9 78-7	77-9 75-4 80-2 79-7 78-5	77-7 75-5 79-4 79-5 78-2	77•7 75•3 79•0 79•0 78•0	77•6 75•2 79•0 78•9 78•3	77-5 75-3 79-0 79-1 78-6	77-2 76-0 79-2 78-8 78-7	77-3 76-1 79-1 78-4 79-0	77-0 77-0 78-6 78-4 78-9	76·1 74·9 78·1 78·8 78·5
11 12 13 14 15	78-9 78-0 75-2 75-6 73-9	78-9 77-8 75-1 75-5 74-0	79.0 77.9 75.5 75.5 74.4	79-0 77-7 75-8 75-5 74-9	78-9 77-6 75-6 75-4 75-5	78-7 77-7 75-3 75-3 76-0	77·7 75·1 75·3 77·2	78-6 77-6 75-1 75-3 77-9	78-6 77-6 74-7 75-3 78-2	78-7 77-7 74-9 75-2 78-5	78-9 77-8 75-1 75-0 78-8	79.0 77.7 75.4 74.9 79.1	79·0 77·9 76·0 74·4 79·7	79-0 77-3 76-2 74-6 80-2	78-9 76-5 76-5 74-6 79-7	1	78-7 75-9 76-2 74-0 78-6	78 • 7 76 • 0 76 • 0 73 • 6 77 • 4	78-6 76-0 76-0 73-5 76-9	78-6 76-0 75-9 73-2 75-8	78-6 75-9 75-9 73-4 75-3	78 • 5 76 • 0 75 • 9 73 • 5 74 • 8	78-4 76-1 75-8 73-9 74-1	78 · 2 76 · 0 75 · 7 74 · 1 74 · 4	78·8 77·1 75·6 74·7 76·9
16 17 18 19 20	74-9 75-2 75-0 74-5 73-8	75-6 75-2 75-0 74-6 73-9	76 • 0 74 • 6 74 • 7 74 • 9 73 • 9	75·2 74·0 74·7 75·1 74·2	75-1 74-2 74-3 74-7 74-5	75-1 72-5 74-4 74-7 74-4	75-9 72-1 74-0 74-6 74-1	77 · 2 72 · 0 73 · 2 74 · 5 73 · 4	78-3 71-8 73-1 74-7 73-0	79-3 71-3 73-7 74-8 73-0	79·9 71·7 74·3 75·0 73·2	80·5 73·0 74·8 75·2 73·0	80.6 75.3 75.2 75.3 73.5	80·3 75·4 75·4 75·4 74·7	77.9 75.3 75.2 74.8 74.8	77-9 75-3 74-8 74-4 74-2	77.6 75.3 73.8 74.1 73.0	76 · 8 75 · 7 73 · 5 73 · 9 72 · 2 72 · 8	76·4 75·4 73·0 73·9 71·5	76 · 1 75 · 0 73 · 1 73 · 7 70 · 8	75.5 74.3 73.3 73.4 71.0	75-1 74-4 73-7 72-7 70-8	74.5 74.6 74.2 73.4 70.9	75·1 74·9 74·4 73·7 70·7	76·9 74·1 74·2 74·4 73·1
21 22 23 24 25	70-3 70-9 70-1 71-0 79-2	70-3 70-9 69-7 71-3 78-9	70·0 70·4 69·7 71·7 78·5	70-0 70-5 70-0 72-1 78-4	70-5 70-1 69-6 73-0 78-5	70-5 69-9 69-1 73-4 79-4	70-6 69-9 69-3 73-7 79-0	70.7 69.8 69.3 73.6 78.9	71-3 69-7 69-1 74-1 79-2 81-5	71-6 70-5 69-1 74-6 80-3	72-6 71-6 69-9 75-0 81-2	73.2 73.2 70.1 75.7 81.6	74-7 69-6 76-1 82-1	75-6 69-6 76-5 81-9	76 · 3 70 · 1 76 · 9 82 · 1 83 · 2	74-2 70-1 77-3 82-0	73-4 70-4 78-5 81-9	72.7 71.1 78.6 81.9	72·1 71·0 78·8 81·5	71-6 70-7 79-2 82-0	71.6 70.7 79.1 81.5	71.4 71.7 79.1 81.6	70-7 71-7 79-2 81-6	70-3 71-2 79-2 81-4	71.7 70.1 75.6 80.6
26 27 28 29 30 .	81·1 82·1 81·6 79·0 81·5	81-1 82-6 81-5 78-8 81-7	81·1 82·8 81·4 78·7 81·7	80-7 82-6 81-5 78-6 82-0	81.0 82.6 81.8 79.0 82.4	81 · 2 82 · 4 82 · 6 79 · 0 82 · 4	82.4 83.0 78.6 82.5	81·3 82·3 83·0 78·5 82·4	83-2 78-4 82-8 81-9	83·3 83·4 79·8 83·4	83-6 82-5 80-4 82-4	83-0 82-6 80-9 83-3	83.0 83.2 81.0 82.8	82-4 82-1 81-0 82-8	82-4 81-4 80-7 82-3	82-0 81-0 80-3 81-9	81-9 80-5 79-7 81-9	82-0 80-4 80-0 82-2 81-9	81.8 80.3 80.4 82.1	81.6 79.3 81.3 82.1	81.4 79.6 81.5 82.0	81.5 79.1 81.2 82.1	81-6 78-7 81-3 82-1	81.6 79.3 81.3 82.1	82-3 81-4 79-9 82-3
31 Mean	81·9 76·6	76-5	76 • 5	76-4	76-5		76-5	76 - 5	76 • 6	77-0	77-5	77-9	78-3	78-4	78.3		77-5	<b></b> -	77-0	76 • 8	76 • 7	76 • 7	76 - 6	76 • 6	77-0
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean

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

468 KEW OBSERVATORY: North Wall Screen: ht = 3.0 metres 1935

Hour 1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	°A	° <u>A</u>	°A	°A	°∆	°A	°A	°A
82•02	81•81	81•60	81•44	81•42	81-60	82•07	82•71	83•53	84∙33	85•09	85∙67	86•12	86∙33	86•43	86•28	85•88	85•33	84•66	83∙90	83∙38	82•94	82•55	82•25	83•72

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

KEW OBSERVATORY: North Wall Screen:  $h_t = 3.0$  metres 469

1935

		House	G.M. T.	T	T								1		T										
Month	Mean	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24
	°A	OA.	OA.	. OA	OA.	OA.	OA	OA.	οA	OA	OA	O _A	OA.	OA.	οA	OA	OA	OA	OA.	OA.	OA.	OA.	OA.	<b>б</b> А	OA.
Jan.	278 • 22														+1.37										
Feb.	279.53														+1.57										
Mar.	279 • 96	-1.72	-2.01	-2.22	-2.35	-2.45	-2-48	-2.36	-1.76	-0.86	+0.53	+1.53	+1.99	+2.21	+2•94	+3.09	+2.99	+2.62	+1.84	+0.99	+0.41	-0-04	-0.50	-0-85	-1.31
Apr.	281-53	1.90	-2•04	-2.24	-2-19	_2-29	-2.12	-1.45	-0.59	+0.13	+0.99	+1 -69	+2.10	+2.31	+2.54	+2.58	+2 • 57	+2-19	+1 -60	+0.73	-0-01	-0.45	-0-95	_1 • 45	_1 -70
May	283-88														+3 • 49										
June	289.30														+2-97										
				· ·					j .										}	ļ			ĺ		
July	292.02	-2-98																							
Aug.	290-81	-2-91																							
Sept.	287•80	-1.85	-x.TX	-2.32	-2.21	-2.62	-2.63	-1.8%	-0.91	+0.15	+1.00	+1.65	+2-34	+2.67	+2.98	+3.12	+3.08	+2.66	+T •88	+0.65	-0.55	-0-72	-1.10	-1.44	-1.28
Oct.	283-49	1.35	_1 • 43	-1.50	-1 •59	-1-67	-1.95	-1-88	-1 - 29	-0-28	+0.56	+1.38	+1.95	+2-42	+2.50	+2-49	+2 • 25	+1 •56	+0.82	+0+30	-0-15	-0.42	-0-71	-0.95	_1 • 1 4
Nov.	280-82	-0.69																							
Dec.	277-04	-0-48																							
- 1		1									ļ														
Year	283 • 72	-1.70	-1.90	-2-11	-2.27	-2+30	-2-12	-1.65	-1 •01	-0.20	+0.60	+1 • 36	+1 •94	+2.39	+2.60	+2.70	+2.55	+2.75	+1 •60	+0.93	+0.18	-0.34	-0.78	-1-17	-1 • 47

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

470 KEW OBSERVATORY: North Wall Screen: ht = 3.0 metres

1935

nth	Ja	n.	Fe	b.	Me	r.	Ar	r.	Me	)	Ju	1e	Jul	ŗÀ	Aı	ıg.	Se	pt.	00	et.	No	o <b>▼</b> •	D	ec.
ay	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Mi
	οA	οA	οA	OA.	οA	OA.	OA.	OA.	Α°	OA.	OA.	OA.	OA.	OA.	OA.	OA.	OA.	OA.	OA.	OA.	OA.	OA.	°A 82∙1	78
1	85.2	81.9	82-6	77.6	81.3	75•9 75•8	84.3	78 • 0 75 • 9	82·6 89·6	78•0 75•9	92.1	83•8 84•1	98•4 95•0	88 • 2 88 • 9	94•0 85•4	82•9 83•0	94.7 92.9	87•7 86•4	87•4 86•8	81•7 78•9	87•5 87•6	80•0 81•2	80.6	76
2	85·3 84·1	83•2 81•4	87·5 84·3	78•9 78•1	81.1	77.8	79.8	74.5	91.3	81.4	89.6	83.4	96.0	88•5	94.9	83-6	94.1	85-1	85-6	80.5	89-6	83-9	78-7	74
4	82.2	79-6	83.9	79-9	82.6	74.8	80-2	74-0	90.9	82.6	89-8	83.5	97.1	88.8	96.8	83-6	92.1	85•3	88+2	83-2	86.7	82-2	79-6	73
5	80-1	74.8	82.7	76•9	83.6	72-8	80.7	<u>73·3</u>	94•0	80•9	91.0	82.6	95•6	89•1	99•2	84•8	92•6	84•6	87•7	82-7	83•6	79•0	78•2	73
6	78•3	74-1	79-2	75-6	81.7	77•3	83•7	73•9	96 • 2	82•8	89•7	83•4	94•7	86 • 7	00-2	86•9	91.4	83-1	86 • 6	79•4	83-2	76 - 5	78•5	7:
7	76 • 3	74.4	77•3	73 • 2	81.8	76 • 1	86 • 1	78-8	90•5	82-1	90.6	85.5	95•6	83.6	01.5	87.5	90.0	90•4	87-7	77•5	81-6	76 - 5	77•0	
8	76 • 2	73-3	75•4	72.5	76.4	73.0	84•4	78•8 80•0	86 • 9 87 • 8	81·9 80·7	90•4	82.8	94.6	84·3 86·7	02·1 95·0	88•2 86•6	92.4	81.9	85•4 87•9	80•6 81•1	81·4 83·7	75•4 79•4	81•3 79•9	7
10	75•1 79•7	70·0 74·4	75•6 80•1	71.8 73.8	74•7 77•1	72·0 73·1	87-1	82.2	90.1	80-5	93.0	78 • 4 85 • 4	00.7	86 • 4	99•5	84.9	91.2	84•0 81•8	88 • 3	82.1	84.0	79-6	79-2	7
u	80-8	.75•7	82•8	<b>7</b> 7•6	77.5	75•0	87•0	77•7	91•6	80•4	90-1	83•4	98•7	89•2	99•9	86•6	93•1	81•5	87•6	79•8	82•9	75•5	79•1	7
.2	77•2	74.0	82•5	79-2	83•3	73•6	84.7	76 • 4	85•1	79•0	91.2	83•4	99•9	89•4	95•7	86•0	94.7	84•6	87-1	76 • 7	83•0	77*3	78 • 2	7
.3	79.2	73.1	83.7	79•3	82.3	74.3	84-4	74•2 77•9	84.1	77•0	92·1 91·9	84.5	02-0	89•5	92-9	84.3	93-2	86 • 1	87-1	77•6	81.6	77•0 77•5	76 • 6 75 • 7	7
4 5	84•6 83•2	79•2 79•3	84 • 0 85 • 9	78•8 76•8	77•9 8 <b>3•3</b>	74•9 76•5	84·9 87·0	76-0	82•1 85•3	77•1 77•4	90.7	83•5 82•4	02-5	89•0 88•1	93·0 93·6	81•4 87•3	93•7 90•9	85•8 85•5	88 • 3 88 • 6	83-0 84-7	84 • 6 84 • 4	78-3	80.3	7
6	82-2	75•9	85 • 7	81•7	86 • 1	76 • 5	84-0	79•1	81•3	74•8	90•4	83•4	99-0	90-2	94-6	85•6	90•4	84•4	89•8	85•4	82•3	78-4	80•9	7
7	80.8	78•5	83-8	78 • 8	85•4	79•9	85-2	77•8	84•2	72.0	91-6	83.7	95•3	87•2	96 • 1	84•9	90•4	85•3	85 • 5	82•5	82•4	79•8	75•9	7
8	79-7	78 • 3	83.4	79•0	86.1	77.5	86 • 5	80.1	83-6	75.7	92.7	84•4	92.5	85.9	95.0	87-7	89-2	84•4	87.6	83•3	82.5	80-0	75.5	1
9	79•2 79•3	77•2 77•3	83•1 84•4	81•0 81•8	87•8 90•3	74•4 77•6	87•5 87•5	81•5 80•9	83•1 86•8	74•1 80•9	93.0	85•5 87•5	93·2 93·5	84•6 85•9	98•0	86 • 5 88 • 3	94·1 94·0	86 • 8 85 • 0	85 • 8 82 • 4	80•9 75•0	83·3 83·9	74•9 80•7	75•5 75•0	7
ı	79•4	77-0	83•2	79•1	90•1	76 • 4	87-4	80•9	86 • 1	78-9	98•3	88•0	92-9	83.9	01-2	87•5	93-6	83.0	81-6	71.0	82-6	78-2	75-0	•
2	81.7	76 • 5	82.3	74.5	85•8	81.5	87•2	79•2	84-9	78•7	01.6	86 • 5	96 • 0	87-6	01.8	88•0	91.0	83.7	81.7	76 • 5	81-4	78 - 7	75.7	•
3	80 • 9	75 • 8	80•3	73•7	84.8	79•8	89.3	76 • 9	90-8	79.2	00.5	90•5	99•0	87•4	93.8	87.5	89.7	80.6	84-1	74.5	80.2	75-2	71.8	•
4	81.7	76 • 0	80.9	73-6	88.5	81.4	85.3	78 0	92.3	83.6	01.8	91.2	99.6	86 • 6	91.1	87•2	88 • 7	81.4	83-6	79 • 7	79 • 4	73.5	79•3 82•2	
5	83.1	74•2	80•1	76•3	86•0	79•2	82•9	77•4	93•1	81•7	00.7	91•4	98•2	87•7	95•0	85•1	87•9	79•8	83•9	75•4	11-3	71.3	02.2	
3 .	78 • 4	73 • 5	79•5	73-9	87•2	77•4	85•0	80.1	91.3	80•7	96 • 4	89•6	96 • 6	87.6	96 • 9	87-9	88-6	76 • 8	85 • 3	72.7	82.2	72•3	83-5	
7 8	76·3	73•0 71•2	81.4	74.6	86 • 5	78•0	82.7	79•6	88 • 3	80 • 7	94.2	87•6	97 • 7 97 • 6	86 • 9 90 • 4	91.1	83•5 79•9	94.1	85·9 87·3	88 • 8	84•9 87•0	81·2 85·9	75•5 80•1	83·7 83·5	5
9	76.9	70.8	81.9	77•6	87-9	76•9 78•1	83•7 89•3	79•5 79•8	92•2	83•2 82•6	98.7	84·5 96·6	93.8	37.9	90.9	$\frac{73.9}{81.7}$	88-4	83.2	88 • 5	80+8	82.8	78 2	91.5	
5	78 • 8	73-8	-	-	81.5	77.6	.88•9	79-1	93.8	82.8	98-5	88•7	94.4	83.9	90.5	84•4	87.5	82.1	85 • 6	78•9	83.5	79•0	83•5	8
L	80-9	77•8	-		86 • 7	79•1	-	-	85•6	82•3	-	-	95•3	82•4	90•4	88•1	-	-	88 • 0	83•7	-		83•5	8
ın	80-1	76•0	82•1	77-0	83.6	76•6	85•2	78•1	88•3	79•7	93•9	85•3	96•9	87-2	95•9	85•5	91.7	83•8	86 • 6	80.1	83•2	77•8	79•1	7

† See page 23.

## RELATIVE HUMIDITY Percentages at exact hours, Greenwich Mean Time

471. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above the ground) = 3.0 metres

JANUARY, 1935

Hour G. M. T.	1	2	3	4	5	8	7	8	9	10	ni ş	Hoon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Bay 1 2 3 4	\$ 99 96 92 86 67	\$9 98 90 87 63	\$4 94 89 89 78	\$4 93 90 89, 71	\$ 84 97 90 79 68	\$8 99 92 76 76	\$8. 97 92 72 72	92 98 88 72 77	92 98 86 73 73	\$ 95 96 86 71 67	92 91 83 66 66	95 87 85 68 62	\$ 91 87 87 66 60	\$ 87 86 87 66 61	87 85 85 66 62	\$ 94 85 86 68 68	92 96 86 70 68	91 87 83 74 71	90 88 86 73 73	\$ 89 91 86 73 78	\$ 94 92 86 74 82	\$ 94 93 88 70 82	95 92 84 76 - 79	\$ 95 92 88 52 82	\$ 90.3 92.0 87.4 73.9 70.2	mb. 11.5 12.4 11.0 7.9 6.0
6 7 8 9	80 86 93 96 93	78 87 89 94 95	78 91 91 96 94	82 87 93 98 94	80 87 94 100 93	80 89 93 100 93	82 87 93 100 91	848 87 91 100 93	85 84 91 100 90	81 84 91 100 90	82 80 91 98 89	79 82 86 94 87	76 85 85 92 81	76 83 86 89 84	75 83 82 81 84	76 88 80 92 87	79 86 79 92 89	82 85 80 91 91	82 90 80 92 92	84 91 82 91 94	83 ⁴ 88 82 93	78 89 87 91 97	85 87 87 93 97	89 89 94 94 95	80.5 86.5 87.4 94.5 91.0	6-2 6-3 6-3 5-8 7-4
11 12 13 14 15	97 78 90 91 87	98 78 92 92 87	100 76 92 89 91	98 79 94 86 89	96 80 94 84 91	94 78 94 79 91	94 75 98 79 94	93 85 96 78 90	94 85 94 76 91	91 74 94 74 91	85 69 87 73 90	82 69 85 72 91	80 69 82 70 82	80 67 77 70 80	80 70 83 72 76	81 73 87 73 80	83 76 86 78 81	90 80 87 80 81	97 80 90 82 86	93 82 95 83 88	87 82 97 84 88	80 87 97 84 91	84 85 98 96 88	82 89 97 87 93	89.4 77.6 91.0 80.3 87.3	8+0 5+8 6+8 9+8 9+4
16 17 18 19 20	90 91 90 77 84	88 91 90 78 79	90 91 84 76 81	91 90 84 74 81	88 90 84 75 76	88 96 85 75 77	86 94 83 72 79	87 87 79 72 79	86 81 76 73 82	85 77 75 77 81	83 83 71 76 80	81 80 70 78 83	78 79 69 78 80	81 79 74 78 82	77 76 72 81 79	79 76 72 89 79	88 78 72 83 81	93 81 76 82 81	93 80 78 82 87	96 77 83 84 84	96 80 82 84 84	97 82 79 85 85	95 82 79 87 84	91 86 75 84 88	87·5 83·7 78·6 79·0 81·4	8·7 8·2 7·3 7·1 7·3
21 22 23 24 25	90 89 96 97 88	91 84 93 95 86	91 84 96 100 86	89 87 97 97 84	96 81 93 100 80	93 89 92 97 82	91 91 92 98 98	88 83 88 97 88	85 79 82 96 93	87 76 78 97 73	88 72 79 93 77	91 71 79 90 70	90 71 77 88 81	86 68 74 84 75	83 73 69 86 65	79 75 76 89 66	81 79 77 89 84	79 82 85 90 77	78 82 81 90 77	81 96 89 88 73	82 83 90 88 75	82 85 92 87 96	82 87 93 91 84	82 93 94 89 78	86.2 81.0 85.8 92.5 80.6	7•8 7•6 7•5 8•8 8•0
26 27 28 29 30	76 87 78 98 94	77 82 75 98 96	77 82 75 98 94	66 83 75 98 96	51 79 77 98 96	56 79 78 98 98	58 81 82 98	60 80 84 98 98	63 76 63 98 93	78 78 82 98 96	56 77 81 94 96	57 74 77 90 89	54 68 62 72 90	51 71 57 55 85	59 71 54 55 84	73 70 68 57 83	80 78 85 64 86	75 77 89 64 90	61 80 89 68 90	62 87 90 72 92	74 82 94 80 92	85 77 96 90 89	80 85 96 89 90	92 81 96 92 94	67-3 78-7 79-8 84-3 92-0	5·4 5·4 5·0 5·5 7·0
31	96	94	94	91	90	86	87	83	78	75	62	65	61	66	60	62	71	72	69	73	73	74	75	75	76 - 7	7.3
Mean	88-5	87-5	88•1	87-4	86 - 2	86 - 8	87-0	86 • 4	85-0	83-7	81.0	79-6	77-1	75-6	74.7	77.6	80-9	82-1	82.8	84-4	85-3	88 • 7	86 - 9	87-4	83.7	†7·6
Vapour Pressure*	=b. <u>7∙5</u>	mb. 7-5	mb. 7-5	mb. 7•4	mb. 7-3	mb. 7-4	mb. 7-4	mb. 7•3	mb. 7-3	mb. 7-4	mb. 7·4	mb. 7-5	mb. 7-4	mb. 7-4	mb. 7·3	mb. 7-4	mb. 7-4	mb. 7-4	mb. 7•4	mb. 7•4	mb. 7-4	mb. 7∙4	mb. 7•4	mb. 7•4	mb. ‡7-4	

472. K	EW OF	SERV	TORY	No:	th Wa	all So	reen	ht	= 3•0	) meta	res.													ŕebi	RUARY,	1935.
Day 1 2 3 4 5	% 75 77 70 87 79	75 77 77 77 93 77	79 75 74 87 78	78 78 76 74 84 79	72 76 77 83 77	78 81 78 81 81	73 81 84 84 84	% 77 82 82 82 93	% 79 84 82 93 80	% 71 84 80 96 75	71 79 79 84 67	73 75 83 73 60	72 63 80 70 60	\$ 83 53 78 68 58	\$ 83 51 78 72 52	\$ 83 51 80 72 56	\$ 81 53 85 74 67	79 56 81 82 72	79 58 82 86 76	% 78 64 83 87 73	% 78 66 85 86 76	78 64 87 87 76	81 70 89 87 84	\$0 68 89 87 88	77.2 69.6 80.3 83.2 73.3	mb. 7·8 8·6 8·8 9·6 7·2
6 7 8 9	91 47 87 72 78	91 52 87 73 79	94. 58 87 76 80	93 65 78 77 81	88 62 90 77 84	87 66 81 78 84	89 70 79 78 85	89 64 77 78 85	87 68 68 75 86	84 60 61 63 89	81 55 63 63 84	75 50 62 60 83	74 52 63 59 76	70 47 64 58 72	67 48 57 57 75	71 57 55 62 72	52 68 56 64 75	50 79 58 66 81	55 81 62 70 80	49 81 64 73 84	51 72 63 73 86	54 80 65 72 83	52 83 73 75 86	51 80 72 74 86	73.5 63.7 69.8 69.7 81.2	6·1 4·6 4·6 <u>4·5</u> 6·3
11 12 13 14 15	80 81 93 79 82	80 81 93 80 89	81 79 90 80 90	83 81 91 82 92	87 77 91 81 92	83 79 90 81 93	86 80 88 78 93	85 80 88 81 94	86 82 91 73 90	84 81 95 65 91	79 82 92 56 89	73 80 92 50 91	71 79 91 44 88	70 80 95 43 91	63 83 95 45 92	63 83 95 44 89	71 88 95 46 84	72 89 92 52 84	79 89 92 61 77	85 89 88 67 76	86 90 92 72 78	84 92 94 72 78	84 90 88 79 79	81 93 84 81 78	79·1 83·4 91·7 66·4 86·7	7.7 8.8 10.3 7.4 9.5
18 17 18 19 20	77 57 89 84 86	78 58 85 83 86	79 66 82 83 88	79 68 76 96 88	76 71 73 85 86	74 71 70 85 84	73 74 69 86 82	71 76 69 86 86	67 71 68 86 80	71 68 72 84 82	72 70 73 79 80	73 64 70 79 76	75 60 66 79 75	72 62 66 78 83	74 61 66 79 89	80 61 68 80 92	80 65 75 82 92	79 69 79 86 91	72 74 81 86 91	60 72 83 83 94	62 80 83 83 94	64 81 83 84 94	58 86 83 86 89	53 88 83 88 86	72.2 69.0 75.7 83.2 86.5	9.9 7.3 8.3 9.6 10.6
21 22 23 24 25	87 87 86 82 89	88 86 86 82 84	83 86 84 83 85	83 87 89 85 83	78 91 87 87 86	77 93 89 87	75 93 85 87 90	69 94 82 92 89	69 86 73 88 96	67 86 69 75 87	58 80 65 67 86	56 78 56 78 86	56 80 59 76 87	50 80 60 80 81	50 71 62 80 80	58 62 64 82 84	67 56 65 82 85	72 62 69 87 89	73 70 69 76 86	78 78 71 77 82	78 77 71 90 79	84 82 74 85 77	84 77 84 78	87 84 80 86 76	71.9 80.7 73.9 82.3 84.9	7·9 7·5 6·1 7·2 7·5
26 27 28	70 69 96	77 71 96	79 66 98	77 62 94	82 65 96	83 67 95	83 65 95	81 89 94	77 91 93	73 91 90	63 95 86	58 94 86	47 94 77	46 94 79	47 90 73	46 85 76	60 84 80	63 84 85	71 93 90	75 98 88	69 91 89	76 93 92	73 94 97	73 93 96	68·7 83·7 89·2	5·2 7·3 8·6
Mean	79-9	80-9	81-1	81-2	81.3	81-5	81.7	82-7	81-0	78-4	74-9	72-6	70-5	70-0	69-3	70-4	72-6	75-3	77.1	77-9	78-6	79-8	81-2	80-9	77-5	<del>†</del> 7•7
Vapour Pressure*	mb. 7-4	mb. 7-5	mb. 7-4	mb. 7-4	mb. 7-3	mb. 7·3	mb. 7·3	mb. 7-4	mb. 7·5	mb. 7-6	mb. 7-6	mb. 7-6	mb. 7-6	mb. 7-6	mb. 7-6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·5	mb. 7-6	mb. 7-6	æb. 7∙6	mb. 7.5	mb. ‡7·5	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Hoon	13	14	15	18	17	18	19	20	21	22	23	24	Mean	

473 KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above the ground) = 3.0 metres

MARCH, 1935

473. K	LEW OF	SERVE	TORY:	NOI	th Wa	III SC	.i een:	11-	(1103	. 6		3 <u>2</u> 1110 1111			above											, 1900
Hour G. M. T.	1	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 2 3 4 5	% 96 86 95 81 95	96 90 94 84 96	% 94 92 94 85 96	% 96 93 95 90 96	% 93 97 94 87 94	95 93 96 87 92	% 90 95 95 85 91	% 90 91 95 91 91	% 92 88 91 87 87	% 82 84 90 75 81	% 78 82 85 62 70	% 74 75 85 57 62	% 70 74 85 57 44	\$ 67 78 85 53 49	% 65 72 86 49 55	% 70 73 85 48 .73	% 71 78 91 51 81	% 76 78 91 62 80	% 78 84 91 72 82	% 76 87 93 83 82	\$ 80 87 90 87 86	% 83 90 91 84 88	% 86 91 89 87 87	% 84 94 82 90 86	82.8 85.3 90.6 74.6 81.1	mb. 7•4 8•0 8•5 6•6 7•2
6 7 8 9	86 78 90 55 <b>6</b> 3	84 79 91 56 64	84 72 89 58 65	86 74 87 57 65	87 74 84 60 64	89 74 84 59 65	90 80 82 61 64	90 73 77 61 67	94 76 65 61 73	91 70 60 58 60	82 65 62 53 64	73 55 61 52 64	71 50 58 53 65	71 49 57 53 64	69 49 67 53 64	68 55 63 55 63	65 59 63 55 63	74 70 60 59 60	72 73 64 59 60	76 78 70 56 65	72 82 74 56 65	74 84 73 58 61	74 87 62 58 64	70 91 60 61 64	79-2 70-3 71-6 56-9 64-0	7•6 6•7 5•2 <u>3•6</u> 4•4
11 12 13 14 15	65 78 85 93 77	65 83 91 91 75	66 85 90 89 75	69 84 88 89 77	74 85 93 91 72	74 87 93 93 70	69 82 88 91 72	70 78 85 91 75	67 67 83 91 73	67 67 82 84 71	65 46 74 82 66	63 33 63 82 62	58 26 57 81 57	57 28 51 84 56	57 24 52 84 54	58 27 48 84 52	62 29 58 86 48	63 38 66 86 89	66 49 72 86 77	69 61 71 82 80	70 70 74 81 81	70 75 82 79 83	75 83 87 82 84	77 85 87 82 89	66 • 2 61 • 1 75 • 8 86 • 1 70 • 5	5-1 5-3 6-4 6-9 6-6
16 17 18 19 20	88 91 91 92 93	90 89 90 95 96	88 91 91 98 97	85 91 92 95 96	84 90 94 94 97	82 93 96 96 97	81 90 94 98 97	80 89 97 96 96	76 87 94 86 89	69 89 89 78 80	66 82 82 69 73	67 79 76 62 57	64 72 74 58 54	60 74 73 51 49	60 77 72 50 47	68 76 68 51 41	73 69 66 56 41	76 76 70 62 53	84 73 75 64 68	87 78 78 83 74	87 82 80 81 80	87 84 84 87 84	87 86 88 87 84	89 87 91 91 89	78-3 83-1 83-5 78-3 76-4	8•3 9•9 9•2 8•7 9•6
21 22 23 24 25	91 77 81 83 90	93 80 84 84 90	93 80 83 86 90	96 81 84 86 92	97 81 86 88 91	97 83 84 91 87	95 83 85 91 87	96 76 82 80 82	83 72 76 60 76	66 72 67 57 71	65 74 61 55 72	57 76 79 52 69	56 79 86 52 65	55 78 84 49 62	51 73 91 47 61	48 68 89 43 60	51 66 89 54 64	59 76 92 58 65	68 83 91 70 71	73 86 82 75 73	73 79 81 76 77	75 82 81 79 79	75 82 82 84 83	71 83 83 87 86	74·7 77·7 82·6 70·2 76·8	9-7 9-5 9-7 9-7
26 27 28 29 30	88 88 91 79 75	90 94 95 82 74	90 93 97 83 75	90 93 94 84 71	93 97 92 82 72	90 97 96 83 73	90 93 96 83 71	94 94 92 81 75	90 84 92 73 77	87 66 83 66 78	82 60 79 57 67	77 56 65 59 66	77 53 57 59 65	71 48 57 62 66	65 50 50 64 66	64 49 48 67 69	63 49 51 69 71	67 50 53 67 71	78 57 63 77 77	83 65 65 71 82	83 70 65 72 85	86 82 72 69 85	89 87 76 65 88	91 93 75 72 85	82·3 73·6 75·5 71·9 74·0	9-5 8-5 8-7 7-9 7-3
31	87	87	83	80	81	76	72	75	74	72	70	65	60	59	63	61	64	63	68	70	74	76	73	78	72-3	8-5
Mean	84-1	85•5	85•5	85•7	86 • 1	<u>86 • 2</u>	85-2	84-2	80-1	74-6	69-4	65•3	62-5	61.3	60-9	61.0	63-1	67-4	72-6	75-9	77-4	79-6	81-0	82-4	75-7	<del>†</del> 7-7
Vapour Pressure*	mb.	mb. 7•4	mb. 7•3	mb. 7•3	mb. 7•2	mb. 7•2	mb. 7-2	mb. 7•4	mb. 7•5	mb. 7-6	mb. 7.5	mb. 7•5	mb.	mb. 7•5	mb. 7•5	mb. 7•5	mb. 7-6	mb.	mb. 7-8	mb. 7•8	mb. 7•7	mb. 7•7	mb. 7•7	mb. 7·6	mb. ‡7·5	

	474. K	EW OB	SERVA	TORY:	Nor	th Wa	all So	reen:	ht	= 3.0	metr	es													A	PRIL,	935
	Day 1 2 3 4	% 80 74 70 77 74	% 86 73 69 77 72	% 83 67 69 75 72	% 81 67 69 77 74	% 83 67 73 73 73	% 70 67 71 74 75	% 66 65 74 73 71	% 67 64 69 77 68	58 61 66 79 63	\$ 54 53 63 78 59	51 46 57 69 49	\$48 56 53 74 56	% 46 46 69 71 62	\$ 43 49 76 84 53	43 59 65 87 60	\$ 47 67 69 87 56	\$ 47 67 71 85 53	\$ 49 55 68 75 74	52 66 70 77 84	57 67 73 75 84	% 59 64 74 78 85	\$ 68 70 74 81 75	78 76 79 74 78	% 80 71 77 75 79	\$\\\\62.3\\\63.4\\\69.4\\\77.2\\\68.6\	mb. 7-2 5-6 <u>5-5</u> 5-9 5-5
	6	79	75	75	78	83	83	74	66	65	59	54	50	42	40	39	47	46	48	59	59	69	79	84	93	64-1	6.0
	7	94	90	88	93	88	87	80	79	76	72	56	62	54	54	76	86	88	88	93	94	93	89	89	92	81-7	9.0
	8	94	93	86	75	84	84	81	75	71	67	72	65	90	75	78	73	77	77	82	80	76	89	94	93	80-4	9.0
	9	96	96	97	96	90	90	87	84	89	90	88	81	81	81	78	86	91	93	93	91	90	89	93	91	89-3	12.1
	10	93	91	90	82	80	83	90	91	88	88	69	68	65	62	63	65	69	68	72	73	74	80	83	78	78-0	11.0
	11	78	76	76	75	75	74	72	70	74	74	76	61	46	44	41	45	47	44	43	58	62	68	77	80	64.0	8-1
	12	85	82	87	82	75	74	69	67	65	65	63	58	56	56	49	53	54	56	61	69	73	79	86	87	68.7	7-1
	13	93	92	95	93	98	100	96	92	73	66	59	54	53	54	60	63	66	67	69	85	90	91	88	94	78.7	7-7
	14	94	94	97	96	91	94	94	90	86	85	70	70	65	59	76	72	66	71	74	79	86	91	94	97	82.9	8-7
	15	93	97	95	97	98	98	95	97	91	87	75	67	65	58	63	61	74	73	67	65	77	86	92	94	82.3	8-8
	16	92	92	92	95	96	95	92	87	74	64	54	68	65	65	45	51	65	60	67	77	78	79	84	82	76.0	8-6
	17	86	88	90	90	90	90	84	78	88	69	58	54	51	41	41	42	41	62	73	82	86	86	87	87	72.5	7-7
	18	84	77	77	74	79	76	70	66	58	56	54	48	51	47	66	80	92	87	86	89	89	88	88	90	73.8	8-9
	19	92	92	88	89	87	84	83	76	68	66	68	61	73	83	77	75	70	70	74	79	82	83	86	84	78.9	10-5
	20	84	86	82	84	86	84	78	71	60	61	76	75	80	82	72	69	66	78	81	83	79	84	85	83	77.9	10-2
`	21	82	76	77	82	79	75	73	68	59	61	62	63	61	62	60	61	59	64	70	75	81	84	86	87	71.0	9-3
	22	88	88	90	93	94	92	88	82	75	71	77	65	63	67	66	63	59	57	61	72	78	86	90	94	77.3	9-7
	23	94	94	97	91	94	92	91	80	73	70	57	53	57	54	54	47	48	55	63	67	65	68	73	77	71.7	9-2
	24	73	82	88	88	90	88	86	83	79	80	77	80	77	74	68	58	57	56	63	71	74	74	74	76	75.7	8-6
	25	78	76	74	81	80	80	81	76	79	73	70	73	69	80	91	92	92	88	87	87	87	86	87	88	81.2	8-4
	28	89	88	88	88	86	86	87	84	82	80	76	72	72	70	70	68	67	71	76	82	81	79	80	84	79-5	9-3
	27	82	82	80	83	80	81	84	79	78	77	76	83	78	75	75	76	75	72	73	70	73	79	80	84	78-1	6-4
	28	84	83	86	80	81	78	80	78	74	75	71	71	70	68	66	67	65	69	69	74	72	73	81	83	74-9	8-3
	29	87	88	89	87	88	89	84	75	76	75	74	70	73	65	64	56	56	68	69	75	82	87	89	91	77-2	10-3
	30	94	93	94	94	99	99	93	92	84	77	75	73	70	65	53	58	56	69	76	83	84	81	81	84	80-4	10-1
Ì	Mean	85•4	84-9	84-8	84-5	84.7	83-8	81-4	77-6	73-7	70-5	66-0	64-4	64-0	62-9	63-5	64.7	65-6	67-7	71-7	76-2	78-0	80-9	83-9	85-2	75-2	t8·5
	Vapour Pressure*	mb. 8•3	mb. 8•2	mb. 8•1	mb. 8·1	mb. 8-1	mb. 8-1	mb. 8-2	mb. 8·3	mb. 8•3	mb. 8-4	mb. 8·2	mb. 8·3	mb. 8·3	mb. 8•3	mb. 8·4	mb. <u>8•5</u>	mb. 8∙5	mb. 8·4	mb. 8-4	mb. 8•5	mb. 8•4	mb. 8-4	mb. 8·5	mb. 8·4	mb. ‡8•3	
	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

475. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above the ground) = 3.0 metres

MAY, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Hoon	13	14	15	18	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day 1 2 3 4 5	\$ 81 74 70 71 94	\$ 85 78 70 71 93	\$ 83 82 61 73 95	\$ 85 88 53 73 95	\$ 91 90 61 74 96	93 83 71 73 95	\$ 88 73 59 71 91	\$ 88 60 47 65 85	\$ 89 61 40 61 71	\$ 85 55 34 52 63	\$ 81 53 32 45 64	\$4 50 29 41 55	% 82 48 24 44 50	82 46 22 46 51	78 47 18 45 48	79 48 32 49 50	% 79 47 38 56 47	\$ 62 53 40 57 52	\$ 60 56 44 72 59	\$ 61 58 54 77 67	\$ 64 57 61 83 81	\$ 67 61 63 89 85	\$ 66 64 67 91 87	72 74 70 92 90	78·8 62·5 48·4 65·0 73·5	mb. 8-4 8-0 7-3 10-1 12-5
6	93	94	95	96	94	87	75	60	48	34	32	29	30	31	31	31	34	38	49	46	49	61	71	75	57·9	11·2
7	72	65	65	70	76	82	80	65	66	60	53	46	43	44	49	50	58	63	69	66	71	74	70	70	63·7	9·5
8	72	69	67	71	66	65	70	67	66	68	67	63	60	60	59	64	63	63	68	70	72	70	73	73	66·9	8·6
9	73	72	74	74	75	77	74	83	81	70	54	46	43	37	35	39	29	23	37	48	55	58	66	72	58·3	7·4
10	76	75	73	76	75	72	64	56	50	49	41	39	37	32	30	28	27	23	37	48	53	78	78	79	54·3	7·7
11	81	78	78	82	79	76	73	68	61	56	48	36	39	40	37	35	37	36	47	57	72	77	75	77	60·3	8.6
12	78	77	74	72	72	62	60	56	55	53	55	49	44	45	49	47	48	45	48	57	57	62	69	70	58·5	6.8
13	72	75	75	78	79	74	68	57	55	52	49	51	43	42	48	44	48	45	47	65	71	76	77	76	60·9	6.3
14	78	79	77	78	71	86	90	86	81	72	72	64	61	60	52	52	58	60	60	59	76	73	68	68	70·2	6.4
15	79	82	82	80	87	89	81	67	59	54	57	66	47	42	38	35	36	40	41	63	74	67	72	76	62·9	6.9
16	69	72	72	77	75	74	75	68	59	56	53	53	51	44	43	47	57	60	53	62	74	78	84	88	64·1	6.0
17	85	85	90	91	94	87	79	68	46	40	44	41	43	41	49	54	46	46	44	53	54	62	59	65	61·5	5.7
18	65	69	73	74	70	67	59	56	54	46	40	37	45	58	50	58	51	67	70	81	80	85	85	93	63·3	6.1
19	91	96	93	94	95	93	86	73	70	61	58	73	85	86	87	89	87	88	89	86	88	84	88	89	84·6	8.4
20	93	94	94	94	96	91	89	60	79	82	73	78	81	81	87	92	93	93	93	93	95	95	94	92	88·7	10.5
21	92	92	92	93	93	86	80	74	70	58	52	54	52	49	49	50	49	52	53	59	65	67	68	67	67.9	8-2
22	70	71	72	71	69	68	63	61	59	58	53	51	49	50	48	49	49	53	55	56	57	60	64	71	59.3	6-7
23	74	77	79	81	79	79	75	72	63	58	53	50	45	43	44	45	47	51	54	58	62	66	68	70	62.3	8-9
24	70	70	71	72	71	70	68	61	58	52	49	46	45	43	42	42	43	47	50	58	70	75	77	77	59.3	9-7
25	76	82	82	82	84	84	87	88	87	84	78	69	56	49	43	43	43	44	45	59	72	76	78	78	69.4	10-6
28	82	81	76	76	78	76	72	69	67	61	60	60	54	53	51	53	53	55	59	65	76	82	84	83	67.6	9.6
27	86	86	88	86	86	85	84	84	79	76	75	75	70	81	82	68	83	81	78	81	82	84	83	88	82.0	11.3
28	91	89	91	92	89	87	89	88	84	87	90	88	77	80	81	64	72	61	61	66	71	77	62	64	79.7	13.2
29	63	67	76	82	83	82	79	79	78	72	72	68	65	63	63	59	57	57	59	70	77	78	83	85	71.1	11.6
30	86	87	86	88	87	87	86	83	80	77	68	63	57	53	48	52	60	63	55	52	56	64	56	64	69.5	11.2
31	72	80	84	87	89	89	88	89	96	88	84	83	79 53•2	79 52 • 7	79 51.9	82 53·2	83 54·1	81 55·1	85 57•9	87 63-9	88 69-8	89 73•6	89	90 77•4	84·0 67·0	11-2
Wean Vapour Pressure*	78-4 mb. 8-5	79-4 mb. 8-5	79-8 mb. 8-4	80·9 mb. 8·4	#b. 8-4	80·3 mb. 8·6	76 · 6 mb. 8 · 7	71·1 mb. 8·7	mb. 8-7	#b. 8-6	58-2 mb. 8-6	mb. 8.7	ab. 8⋅7	mb. 8-6	51-9 mb. 8-6	mb. 8-8	mb. 8-8	mb. 8-6	mb. 8.5	mb. 8-6	шb. 8•7	mb. 8•7	mb. 8-5	mb. 8-6	mb. ‡8•6	

476. K	CÍRIM OI	BERV	ATORY	: Noi	rth Wa	all So	reen	ht	= 3•0	) met	res														JUNE,	1935
Day 1 2 3 4	\$ 96 90 90 89	\$ 89 91 91 92 90	% 87 93 91 94 92	% 89 93 92 93 91	% 90 93 87 92 90	\$ 90 96 84 93 90	93 92 77 89	88 92 70 82 95	% 87 87 68 75	\$ 85 77 60 72 88	\$ 82 66 74 69 82	71 63 86 69 80	% 71 69 68 65 69	\$ 66 68 70 71 66	\$ 57 63 80 69 62	\$ 58 52 65 66 61	62 55 63 64 69	\$ 69 63 65 67 68	% 72 67 59 68 77	% 77 70 67 74 82	% 82 76 80 82 87	% 83 85 85 81 90	% 90 85 89 83 91	\$ 88 87 88 87 91	79-7 78-1 77-0 78-6 82-7	mb. 12.3 13.0 11.7 12.0 12.5
6 7 8 9	92 94 80 83 78	92 94 81 83 80	90 96 86 96 90	87 94 86 96 95	89 93 83 91 95	88 93 81 80 98	82 89 71 76 96	74 86 64 66 93	67 86 62 58 90	65 86 50 54 88	59 80 45 50 83	58 68 46 51 72	63 60 54 50 73	77 54 43 47 78	80 55 47 47 74	94 58 56 47 71	89 58 57 50 67	94 61 52 52 70	94 68 48 64 75	93 71 53 63 81	93 71 60 63 86	96 71 57 70 88	95 74 69 71 89	94 77 78 74 90	83.5 76.9 62.8 66.0 82.8	12-8 12-6 10-1 10-5 14-5
11 12 13 14 15	89 87 95 91 95	91 85 97 94 95	90 84 96 93 95	86 85 95 93 94	87 88 95 90 96	85 83 91 89 91	80 76 93 83 73	78 71 84 80 81	69 74 74 70 70	77 96 64 63 81	64 85 58 59 77	57 80 59 59 81	59 76 52 55 77	55 67 54 63 70	58 64 48 73 74	56 61 47 77 61	71 60 52 82 66	82 63 55 88 68	83 64 60 87 80	80 74 68 87 87	79 67 73 89 89	81 87 80 92 91	83 89 86 93 91	87 90 90 94 89	76 · 1 76 · 9 73 · 6 80 · 9 82 · 3	11.9 12.3 12.5 13.4 12.7
16 17 18 19 20	91 83 96 88 92	87 82 95 88 91	92 87 97 89	90 83 95 90 92	90 85 94 93 91	89 83 95 90 92	83 80 88 90 92	74 81 84 89 89	62 69 84 85 88	58 68 85 82 85	57 66 82 81 84	74 59 76 77 86	69 58 76 69 87	73 59 69 64 87	56 49 64 64 66	56 53 61 68 86	55 59 59 73 88	61 64 68 87 88	57 71 76 88 88	69 77 76 90 89	77 83 81 90 90	80 87 84 90 90	92 84 91 91	83 95 88 92 91	73.7 73.6 81.3 83.5 88.9	11.4 11.8 14.4 14.5 15.8
21 22 23 24 25	90 92 87 74 80	90 96 88 74 83	91 96 91 81 83	91 95 90 82 85	89 92 87 80 86	88 89 84 76 80	88 84 79 74 76	85 77 74 71 70	84 65 69 66 62	80 60 65 61 60	74 58 54 54 57	74 57 47 43 58	74 52 36 44 78	72 58 44 46 91	72 62 43 43 92	70 61 41 43 91	69 61 39 42 81	64 63 46 47 87	65 69 54 53 92	74 74 59 64 92	84 79 84 67 92	90 82 65 71 93	91 84 71 74 93	94 87 70 76 93	80.9 74.8 64.9 62.6 81.1	17.8 19.5 18.0 18.4 20.2
26 27 28 29 30	93 79 79 89 78	90 79 82 96 81	90 79 85 93 84	90 79 88 93 84	90 77 85 92 81	83 75 80 86 77	77 81 80 82 70	75 80 71 60 63	67 78 64 55 56	67 74 65 56 54	64 71 64 53 49	62 69 59 48 45	62 73 58 45 42	61 69 57 44 42	61 69 52 41 44	58 67 52 45 45	56 64 49 47 43	54 65 53 49 48	62 66 51 54 52	66 71 56 61 56	73 74 74 67 62	79 79 83 75 57	82 83 89 75 63	78 77 89 77 67	72-8 74-1 69-1 66-2 60-3	16.5 15.3 14.5 15.8 14.8
Mean	87•3	88-2	90-0	89-9	89-0	86-6	82-9	78-2	72-8	70-9	66 - 7	64-5	62-8	62-8	61-6	60-9	61-7	65-4	68-8	73-4	77-8	81-4	83-8	85-3	75-5	†14·1
Vapour Pressure*	mb. 13·6	mb. 13·5	mb.	mb.	mb. 13-6	mb. 13-8	mb. 14-0	mb. 14•0	mb. 14.0	≊b. 14∙3	mb. 14·1	mb.	mb. 14·0	mb. 14·0	mb. 13·9	mb. 13·8	mb. 13·8	mb. 14·1	mb. 14·1	mb. 13-8	mb. 13-8	mb. 13·8	mb. 13·7	mb. 13·7	mb. \$13.9	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	21	21	22	23	24	Mean	

## RELATIVE HUNIDITY Percentages at exact hours, Greenwich Mean Time

477. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above the ground) = 3.0 metres

JULY, 1935

477. B	CISW OF	BERVI	ITORE	NOI	th W	III DO	1.0011	nţ	(1101	.g		HOM			above		B	,		16 01 65						, 1977
Hour G. M. T.	1	2 .	3 ~	4	5	6	7	8	9	10	11	Hoon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day 1 2 3 4 5	\$ 67 84 72 78 84	70 88 75 79 86	75 97 77 81 88	\$ 81 95 80 84 89	\$1 94 80 85 85	79 94 81 83 82	76 89 79 82 75	\$ 73 85 77 79 75	\$ 70 80 70 78 70	\$ 63 76 66 74 65	\$ 58 70 68 72 66	59 62 64 68 66	56 55 67 69 63	52 59 65 66 61	\$ 47 59 60 63 60	\$ 52 62 60 62 62	\$ 57 67 58 64 64	\$ 62 60 60 65 68	\$ 67 69 56 72 72	77 74 60 75 74	\$ 86 82 67 79	90 84 69 81 79	\$ 91 84 73 82 77	\$ 87 86 77 84 74	\$ 69-4 77-3 69-4 75-1 73-7	mb. 16-6 18-8 14-8 17-2 16-1
6	75	76	77	76	78	73	65	60	59	53	55	52	51	47	45	46	43	44	46	54	58	64	66	70	59-8	11.9
7	74	77	79	87	83	78	78	76	72	61	57	55	52	49	48	51	54	55	56	60	72	70	81	82	66-7	13.3
8	77	83	91	86	91	78	76	65	60	60	55	52	48	48	46	38	51	54	56	63	69	74	77	85	65-9	12.7
9	87	88	91	91	91	86	80	70	60	53	53	51	50	46	47	46	46	49	49	51	54	60	66	73	64-4	15.1
10	81	81	87	90	90	82	79	73	67	58	55	51	48	46	43	46	46	45	56	66	73	76	80	81	66-5	16.4
11	84	86	88	91	89	82	80	76	71	66	62	60	61	65	75	56	54	60	76	72	66	82	84	84	73·7	18-6
12	82	79	85	91	84	80	78	74	71	68	67	67	58	49	48	46	43	40	39	63	63	68	72	77	66·5	18-6
13	82	88	93	89	90	85	81	74	66	58	54	44	40	39	38	41	44	46	53	60	51	59	64	74	63·1	17-7
14	76	76	81	83	81	78	73	69	62	47	44	43	42	31	26	27	30	37	38	31	30	42	52	88	<b>52·7</b>	14-9
15	61	60	67	75	86	84	76	71	68	60	56	48	44	45	45	47	44	43	57	60	66	70	71	70	61·2	15-9
16	74	78	82	84	66	68	58	52	46	42	36	35	35	34	36	31	32	33	27	34	44	57	68	75	51-0	12.5
17	80	81	83	85	84	81	79	77	75	70	66	57	49	51	49	47	50	54	52	50	55	58	64	71	65-4	13.7
18	75	82	86	87	86	83	79	78	70	60	60	65	73	68	54	67	83	71	72	67	71	84	84	88	74-3	13.3
19	94	94	94	95	94	91	86	77	70	57	58	56	58	60	64	70	78	73	79	79	80	80	87	85	77-5	13.8
20	84	92	92	93	92	92	87	82	79	72	70	68	67	62	58	75	79	58	48	54	61	65	67	73	73-9	14.0
21	73	78	77	80	82	75	70	60	53	50	44	41	45	38	40	42	48	52	53	59	62	64	65	70	59·3	10-6
22	76	80	81	82	84	80	78	75	67	65	67	62	64	64	61	60	62	65	63	75	80	81	83	84	72·2	15-5
23	86	88	91	92	93	92	86	79	73	68	65	59	57	57	56	55	54	57	60	75	83	86	85	88	74·3	17-8
24	90	94	93	94	96	93	88	83	66	58	53	49	48	45	48	53	55	59	56	61	67	67	71	77	69·5	16-8
25	82	81	84	84	84	80	76	71	69	61	49	46	48	45	41	42	36	42	56	59	63	58	76	63	62·6	14-3
26	69	75	63	66	69	66	63	60	56	55	48	50	45	42	41	40	43	48	53	57	62	80	83	84	58-6	12-6
27	82	88	88	86	86	80	76	73	68	69	65	64	60	58	54	54	55	61	69	70	75	78	82	83	71-9	15-9
28	83	84	84	87	91	91	86	80	74	66	63	58	49	47	45	47	48	48	53	42	52	<b>56</b>	61	65	65-4	15-8
29	72	70	70	70	66	65	59	58	55	51	48	46	45	43	41	41	44	44	44	52	54	<b>58</b>	55	57	54-7	11-2
30	63	68	72	74	76	75	74	71	63	57	50	43	36	35	31	28	29	27	28	37	45	60	57	69	52-6	<u>9-8</u>
31	77	79	78	79	83	79	67	46	34	40	<b>43</b>	45	41	39	38	37	35	37	44	65	72	81	83	86	58·3	10-7
Mean	78-2	80-8	83·1	84-7	84·5	81·2	76 - 7	71-6	65-9	60•3	57-3	54·3	52·4	50-2	<u>48-6</u>	49-4	51·5	52·2	55-5	60-5	65-2	70-4	74-0	76 · 8	66·0	
Vapour	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.	
Pressure*	14•3	14-4	14⋅3	14-1	14-3	14-4	14-4	14.5	14.5	14·1	14·2	14·1	14·1	13-9	13·7	14-0	14·4	14·3	14·3	14·1	14·1	14·4	14•4	14-4	‡14-2	

478. K	EW OB	SERVA	TORY:	Nor	th Wa	ıll Sc	reen:	ht	= 3.0	metr	es													AUG	WST, 1	935
Day 1 2 3 4 5	% 88 88 94 91 93	% 87 91 91 94 91	90 92 90 92 91	93 92 90 94 95	92 92 90 94 95	% 83 85 91 94 93	% 77 76 88 87 85	% 70 56 86 85 75	% 68 38 86 78 67	% 66 46 83 74 62	55 46 82 70 56	% 49 46 72 61 54	\$ 54 43 68 54 48	\$ 47 40 68 58 45	38 40 58 57 48	\$ 40 38 54 54 44	46 39 51 60 47	52 50 64 64 61	\$ 52 54 68 63 55	\$ 56 80 71 73 74	\$ 60 66 77 77 61	% 67 74 82 78 72	72 80 88 86 86	\$1 90 90 88 86	\$ 66.0 63.2 78.4 76.1 69.9	mb. 11-8 11-8 13-8 14-8 15-6
6	91	87	93	90	94	89	88	81	72	59	53	50	45	40	43	44	41	43	48	60	64	67	80	81	66.9	16·7
7	81	84	86	88	91	86	79	73	66	60	53	48	44	42	44	49	42	53	56	63	70	74	82	82	66.5	17·2
8	87	90	89	92	97	92	82	70	64	63	58	52	38	41	40	42	39	39	45	52	58	66	72	76	64.5	<u>17·4</u>
9	80	80	76	76	80	84	82	79	76	71	71	68	69	66	62	57	53	54	59	72	76	72	70	74	71.2	15·7
10	81	81	87	88	88	86	82	68	62	55	52	47	45	43	37	37	40	42	45	53	59	60	67	72	61.8	13·9
11	76	80	84	83	87	82	76	72	69	60	56	52	45	38	39	36	31	31	47	59	67	68	70	73	61.7	14-2
12	77	82	87	88	89	91	84	79	74	66	60	59	51	48	51	64	72	76	78	75	75	86	88	84	74.1	14-5
13	83	81	80	79	81	81	76	71	64	59	54	45	41	34	32	32	35	38	40	50	58	74	66	70	<u>59.6</u>	10-5
14	70	73	79	83	86	81	76	68	61	60	57	51	52	52	53	54	53	55	62	74	70	64	66	68	65.4	11-5
15	66	68	73	74	75	72	68	66	63	57	50	49	46	43	42	43	48	49	62	68	68	70	63	71	60.5	12-0
16	75	77	82	86	86	84	79	78	71	65	63	69	66	71	60	56	61	64	70	70	74	76	78	79	72-2	14-4
17	85	85	85	89	91	91	86	79	75	72	62	58	56	54	49	47	52	55	57	66	68	67	70	73	69-8	14-5
18	71	87	89	90	88	88	85	83	72	64	56	56	55	57	56	56	59	65	71	76	83	80	84	87	73-0	15-4
19	86	87	88	91	90	88	85	92	89	82	76	65	58	51	51	46	49	50	59	55	71	77	80	85	73-0	15-7
20	84	85	86	84	86	84	82	78	72	63	56	53	47	46	44	46	44	52	58	64	65	72	81	81	67-2	16-4
21	76	75	83	85	87	90	77	67	59	57	49	42	38	38	37	40	43	44	51	62	73	68	67	70	61.8	16 · 1
22	75	82	85	89	88	87	70	60	57	58	51	43	44	40	41	44	47	49	57	69	78	72	77	79	63.8	16 · 9
23	85	82	87	78	87	91	94	96	92	92	88	93	94	84	78	80	87	85	85	88	91	92	94	92	87.8	17 · 1
24	93	93	94	94	94	94	95	95	94	94	95	95	95	92	90	91	90	91	92	92	93	93	94	96	93.2	17 · 2
25	96	96	96	96	96	97	98	92	85	81	74	64	59	66	62	63	62	64	76	83	84	90	90	91	81.7	15 · 8
26	93	95	93	96	96	97	96	93	94	91	91	85	80	74	66	61	61	62	69	78	82	84	86	88	83-8	17·3
27	88	88	89	·91	92	92	88	78	72	71	62	60	54	52	52	47	49	46	59	68	74	75	78	82	71-3	12·7
28	86	91	90	96	91	93	83	79	68	64	61	59	48	52	53	45	58	61	67	70	80	80	84	88	72-8	10·7
29	89	92	93	93	91	91	86	77	70	60	53	51	52	56	51	47	44	55	62	69	68	73	76	76	70-0	10·7
30	76	77	79	80	81	81	78	73	70	69	75	69	64	80	91	95	96	93	96	97	94	92	91	90	82-5	13·3
Mean	83-8	85.4	87-1	88-1	89-3	88 - 2	83.3	77-5			63-1	59-2	55-4	54-4	52-8	52-4	53.9	57.5	62-6	69-4	73-0	75-8	78-8	81.5	71.3	†14 <b>-</b> 6
Vapour	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.	
Pressure*	14·1	14.0	13·8	13·8	13·7	14•1	14•5	14-5	14.6	14·7	14.5	14·3	14•0	14·1	14·0	13•9	14-1	14-5	14·7	14-8	14·8	14-6	14·5	14·3	‡14•3	
Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	

470. NEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above the ground) = 3.0 metres

SEPTEMBER, 1935

479. 1	CEW OI	BRIEKY	ATORY	: MO	rtn w	III 8	creen	пt	(Teri	SUC O	r mie	LMOWe	cet n	TIND .	rpove	cute 6	51 Oan	.,	) · O me						, DED COL	• <del>+</del> <del>2</del> 2 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Hour G. H. T.	1	2	3	4	5	6	7	8	9	10	11	Hoon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure
Day 1 2 3 4 5	\$4 93 93 93 93	\$7 87 87 94 93 89	\$9 88 93 96 90	91 89 98 95 91	91 93 96 94 91	\$ 90 90 94 95 91	\$ 88 87 90 95 93	\$ 80 86 83 94 88	77 85 75 92 87	79 77 73 89 77	\$ 85 71 72 79 74	\$1 84 61 67 69	74 69 55 58 72	72 66 52 61 53	75 62 51 57 55	71 70 52 61 50	78 75 50 62 49	\$ 81 72 66 69 58	\$ 87 72 73 76 77	90 81 81 77 94	91 84 82 77 94	92 88 90 82 94	93 91 90 85 94	95 93 90 87 91	\$4.0 81.4 77.2 80.6 79.5	mb. 17-3 15-2 14-3 13-9 13-4
6	89	92	90	94	94	94	90	87	76	68	60	56	55	51	51	49	49	55	61	74	82	71	70	71	72-5	11.7
7	82	81	92	93	96	94	83	76	74	64	58	53	48	45	45	44	43	50	58	59	69	73	73	73	67-7	10.3
8	75	83	87	83	84	84	79	72	65	63	64	57	52	51	54	52	55	62	72	77	75	75	77	75	69-7	11.0
9	78	85	84	85	89	88	86	79	70	60	61	57	63	61	65	67	69	74	75	81	70	67	69	76	73-3	12.0
10	78	81	81	81	83	87	87	75	64	60	55	52	52	46	47	49	53	60	62	67	69	71	72	73	<u>66-9</u>	10.6
11	80	85	85	92	92	92	83	81	78	63	58	56	53	55	53	54	53	60	69	74	77	74	75	69	71-4	11-9
12	71	74	79	84	85	91	86	80	71	70	70	70	65	67	71	70	74	73	80	83	89	92	93	89	77-8	14-3
13	89	87	85	86	87	88	90	90	68	63	55	55	56	59	55	61	61	67	75	81	86	88	93	94	75-7	14-3
14	91	90	90	90	91	94	86	81	78	80	67	61	58	70	60	58	64	74	77	81	84	85	87	86	78-3	14-5
15	90	93	94	94	95	94	88	86	83	88	88	91	75	79	75	68	64	67	66	73	75	78	80	82	82-0	14-0
16	82	85	87	83	82	84	82	72	66	62	59	58	61	63	58	59	72	76	71	81	86	90	89	74	74-4	12-2
17	68	68	74	76	80	74	71	73	74	60	65	60	63	56	52	52	53	57	65	70	71	74	77	79	67-0	11-2
18	80	85	86	84	82	81	78	75	68	62	61	56	56	62	68	60	62	72	71	76	78	80	80	86	72-7	11-5
19	85	92	93	92	91	92	91	89	87	76	62	60	55	52	53	54	58	62	68	70	71	77	81	81	74-8	14-7
20	79	81	81	85	87	90	91	91	92	89	88	85	78	75	78	78	70	72	77	83	88	91	90	91	83-5	16-1
21	100	97	96	96	98	95	96	85	79	77	78	81	82	79	80	78	75	81	86	90	93	94	95	95	87-7	15-5
22	96	97	98	98	98	97	95	95	91	89	88	83	77	67	65	60	68	69	73	72	81	86	86	89	84-2	15-0
23	87	87	83	87	91	91	93	87	78	71	63	53	52	56	52	53	53	64	59	75	82	87	88	88	74-2	10-3
24	88	88	86	87	89	91	92	92	94	87	81	90	92	91	92	95	93	93	94	96	90	89	88	74	90-0	13-1
25	73	72	72	73	72	73	75	71	64	60	50	50	48	50	48	50	58	60	69	74	83	87	94	88	67-0	9-3
28	88	94	90	94	92	93	90	90	87	80	67	63	62	61	67	69	72	72	75	83	89	89	88	89	81.0	10-5
27	94	94	94	96	96	96	94	92	92	90	88	81	77	70	67	70	81	84	88	91	92	91	93	94	87.6	16-7
28	95	96	96	95	98	96	97	96	95	92	89	83	77	73	71	69	75	79	86	88	88	89	92	93	87.8	17-5
29	94	94	94	93	94	94	87	91	94	94	93	87	92	88	72	65	73	78	80	85	89	88	85	80	87.1	13-2
30	86	93	95	96	96	90	91	93	85	67	67	65	66	86	76	64	73	69	76	79	79	80	82	83	80.7	11-7
Mean.	85-6	87-5	88•3	89-3	90-2	90-1	87-9	84-3	79-6	74-0	70-5	67-5	64-8	63-9	62-5	61-7	64-5	69-2	73-9	79-5	82.1	83 - 7	85-0	84-3	77-9	†13·2
Vapour	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	≊b.	mb.	mb.	mb.	mb.	mb.	mb.	±b.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	
Pressure*	12·9	12·9	12.9	12·8	12•9	12·8	13·2	13-4	13•5	13·3	13·2	13·2	12·9	13.0	12.8	12∙6	12.8	12-9	12·9	13·1	13·1	13·0	12·9	12-7	#13•0	

| 88<br>86<br>90<br>80<br>70<br>81<br>87<br>96<br>84<br>71<br>93<br>91<br>78<br>87<br>76 | 98<br>89<br>86<br>90<br>83<br>70<br>84<br>90<br>96<br>84<br>75<br>96<br>88<br>78<br>85<br>73<br>79 | 98<br>91<br>89<br>88<br>89<br>73<br>90<br>86<br>94<br>84<br>78<br>96<br>85<br>76<br>92                             | 97<br>93<br>78<br>75<br>93<br>73<br>92<br>85<br>93<br>84<br>79<br>94<br>82<br>86<br>81<br>94    | 91<br>84<br>69<br>78<br>79<br>92<br>83<br>90<br>87<br>76<br>96<br>85<br>78<br>96<br>85<br>94                      | 90<br>87<br>75<br>65<br>78<br>92<br>83<br>89<br>90<br>79<br>96<br>85<br>77<br>87<br>80<br>90 | 91<br>89<br>77<br>64<br>75<br>89<br>80<br>87<br>89<br>83<br>96<br>85<br>73<br>85<br>79<br>89                                                                                                                                                                                                                                                                                                   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83<br>63<br>62<br>43<br>52<br>43<br>72<br>51<br>50<br>53<br>76<br>69<br>77<br>86<br>72<br>94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                                                                                                                                                                         | 86<br>76<br>82<br>45<br>49<br>62<br>70<br>60<br>56<br>63<br>83<br>84<br>80<br>54<br>75<br>88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94 88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86         86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80        
74<!--</td--><td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td></td></t></td></td></td></td></td> | 86         86         86         86         86         88         88         84         81         74         69         66         65         72         75         71           89         91         90         91         94         93         91         84         82         75         69         73         73         73         73         73         73         73         73         73         73         73         73         76         80         94         93         94         97         95         96         91         87         80         89         80         86         84         85         86         84         85         80         86         84         85         80         86         84         85         80         86         84         85         86         86         84         85         80         74         78         76         86         86         84         85         87         82         80         74         78         76         76         76         76         76         76         76         76         77         77         71         86         81         81 </td <td>86         86         86         88         88         84         81         74         69         66         65         72         75         71         73           89         91         90         91         94         93         91         88         88         74         79         75         73         73         73         74         77         74         77         74         77         74         77         77         74         77         77         74         77         77         74         77         77         74         77         77         74         77         77         78         78         78         80         89         80         86         84         85         78         80         89         80         86         84         85         78         80         89         80         86         84         85         78         80         86         84         85         78         80         80         86         84         85         78         80         80         86         84         85         78         80         80         80         99         96         94<!--</td--><td>86         86         86         88         88         84         81         74         69         66         65         72         75         71         73         72           89         91         90         91         94         93         91         84         82         75         69         73         73         73         74         77         87           94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         80         86         84         85         78         81           93         94         97         95         96         91         87         80         89         80         86         84         85         78         81           93         94         93         94         96         94         89         87         82         80         74         78         76         81         83           96         99         98         97         99         96         94         88         72         71         86         70         73</td><td>86         86         86         86         86         88         84         81         74         69         66         65         72         75         71         73         72         80           99         91         90         91         94         93         91         88         88         74         79         75         73         73         73         74         77         87         80         83         87         82         80         86         84         85         78         81         82         80         86         84         85         78         81         82         80         74         78         78         80         80         86         84         85         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         89         98         99         98         98         99         98         98         99         98         98<!--</td--><td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78           99         91         90         91         93         91         84         82         75         69         73         73         74         77         87         90         91           94         94         90         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89           94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         80         86         84         85         78         81         82         87         82         80         74         76         76         81         83         89         88         88         92         89         89         89         89         89         97         99         96<td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         78         71         73         72         80         78         78         78         74         77         87         90         91         95         94         94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89         94         94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         94         99         96         91         87         80         89         80         86         84         85         78         81         82         87         89         99         98         89         89         89         89         89         89         89         89         <t>89         89         89         89<!--</td--><td>86 86 86 86 86 86 84 81 74 69 66 65 72 75 71 73 72 80 78 78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94 88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86         86         86         86         86         86         84         81        
74         69         66         65         72         75         71         73         72         80         78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80         74<!--</td--><td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td></td></t></td></td></td></td> | 86         86         86         88         88         84         81         74         69         66         65         72         75         71         73           89         91         90         91         94         93         91         88         88         74         79         75         73         73         73         74         77         74         77         74         77         74         77         77         74         77         77         74         77         77         74         77         77         74         77         77         74         77         77         78         78         78         80         89         80         86         84         85         78         80         89         80         86         84         85         78         80         89         80         86         84         85         78         80         86         84         85         78         80         80         86         84         85         78         80         80         86         84         85         78         80         80         80         99         96         94 </td <td>86         86         86         88         88         84         81         74         69         66         65         72         75         71         73         72           89         91         90         91         94         93         91         84         82         75         69         73         73         73         74         77         87           94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         80         86         84         85         78         81           93         94         97         95         96         91         87         80         89         80         86         84         85         78         81           93         94         93         94         96         94         89         87         82         80         74         78         76         81         83           96         99         98         97         99         96         94         88         72         71         86         70         73</td> <td>86         86         86         86         86         88         84         81         74         69         66         65         72         75         71         73         72         80           99         91         90         91         94         93         91         88         88         74         79         75         73         73         73         74         77         87         80         83         87         82         80         86         84         85         78         81         82         80         86         84         85         78         81         82         80         74         78         78         80         80         86         84         85         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         89         98         99         98         98         99         98         98         99         98         98<!--</td--><td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78           99         91         90         91         93         91         84         82         75         69         73         73         74         77         87         90         91           94         94         90         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89           94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         80         86         84         85         78         81         82         87         82         80         74         76         76         81         83         89         88         88         92         89         89         89         89         89         97         99         96<td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         78         71         73         72         80         78         78         78         74         77         87         90         91         95         94         94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89         94         94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         94         99         96         91         87         80         89         80         86         84         85         78         81         82         87         89         99         98         89         89         89         89         89         89         89         89         <t>89         89         89         89<!--</td--><td>86 86 86 86 86 86 84 81 74 69 66 65 72 75 71 73 72 80 78 78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94 88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86         86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80        
78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80         74<!--</td--><td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td></td></t></td></td></td> | 86         86         86         88         88         84         81         74         69         66         65         72         75         71         73         72           89         91         90         91         94         93         91         84         82         75         69         73         73         73         74         77         87           94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         80         86         84         85         78         81           93         94         97         95         96         91         87         80         89         80         86         84         85         78         81           93         94         93         94         96         94         89         87         82         80         74         78         76         81         83           96         99         98         97         99         96         94         88         72         71         86         70         73 | 86         86         86         86         86         88         84         81         74         69         66         65         72         75         71         73         72         80           99         91         90         91         94         93         91         88         88         74         79         75         73         73         73         74         77         87         80         83         87         82         80         86         84         85         78         81         82         80         86         84         85         78         81         82         80         74         78         78         80         80         86         84         85         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         80         74         78         78         81         82         89         98         99         98         98         99         98         98         99         98         98 </td <td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78           99         91         90         91         93         91         84         82         75         69         73         73         74         77         87         90         91           94         94         90         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89           94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         80         86         84         85         78         81         82         87         82         80         74         76         76         81         83         89         88         88         92         89         89         89         89         89         97         99         96<td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         78         71         73         72         80         78         78         78         74         77         87         90         91         95         94         94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89         94         94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         94         99         96         91         87         80         89         80         86         84         85         78         81         82         87         89         99         98         89         89         89         89         89         89         89         89         <t>89         89         89         89<!--</td--><td>86 86 86 86 86 86 84 81 74 69 66 65 72 75 71 73 72 80 78 78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94 88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86         86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80         74<!--</td--><td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93        
91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td></td></t></td></td> | 86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78           99         91         90         91         93         91         84         82         75         69         73         73         74         77         87         90         91           94         94         90         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89           94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         80         86         84         85         78         81         82         87         82         80         74         76         76         81         83         89         88         88         92         89         89         89         89         89         97         99         96 <td>86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         78         71         73         72         80         78         78         78         74         77         87         90         91         95         94         94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89         94         94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         94         99         96         91         87         80         89         80         86         84         85         78         81         82         87         89         99         98         89         89         89         89         89         89         89         89         <t>89         89         89         89<!--</td--><td>86 86 86 86 86 86 84 81 74 69 66 65 72 75 71 73 72 80 78 78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94 88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86         86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80         74<!--</td--><td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td></td></t></td> | 86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         78         71         73         72         80         78         78         78         74         77         87         90         91         95         94         94         94         94         92         93         88         88         74         79         75         73         78         76         80         80         83         87         89         94         94         93         94         97         95         96         91         87         80         89         80         86         84         85         78         81         82         87         89         94         99         96         91         87         80         89         80         86         84         85         78         81         82         87         89         99         98         89         89         89         89         89         89         89         89 <t>89         89         89         89<!--</td--><td>86 86 86 86 86 86 84 81 74 69 66 65 72 75 71 73 72 80 78 78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94
88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94</td><td>86         86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80         74<!--</td--><td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td></td></t> | 86 86 86 86 86 86 84 81 74 69 66 65 72 75 71 73 72 80 78 78 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 94 94 94 80 92 93 88 88 74 79 75 73 78 78 86 80 83 87 89 94 92 94 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 93 93 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 92 94 93 94 95 96 96 96 94 88 72 71 86 70 73 75 70 72 74 83 93 93 96 97 98 98 97 99 96 94 88 72 71 86 70 73 75 80 85 86 87 93 96 96 87 88 88 91 92 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 95 93 96 97 96 85 91 89 84 80 76 74 73 79 83 87 92 94 94 94 94 94 94 94 94 94 94 94 94 94 | 86 86 86 86 86 86 84 81 74 69 86 85 72 75 71 73 72 80 78 78 77 77 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 94 94 94 94 97 93 94 96 97 97 99 96 84 80 76 75 73 76 70 70 71 66 72 78 79 94 94 94 94 94 94 94 94 94 94 94 94 94 | 86         86         86         86         86         86         84         81         74         69         66         65         72         75         71         73         72         80         78         78         77         77         80           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         94         92         91         99         94         82         80         74 </td <td>86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91<!--</td--><td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td></td> | 86         86         86         86         86         86         84         81         74         69         86         85         72         75         71         73         72         80         78         77         77         80         82           89         91         90         91         94         93         91         84         82         75         69         73         73         74         77         87         89         91         95         97         91         91         89         94         92         93         88         88         74         79         75         73         78         76         80         83         87         89         94         92         91         94         95         97         91         91         89         94         92         91         94         92         91         94         92         91         94         92         91         94         95         99         91         96         94         89         87         82         80         74         76         76         81         83         89         91         92         91 </td <td>86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79
83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88</td> | 86 86 86 86 86 86 84 81 74 69 68 65 72 75 71 73 72 80 78 77 77 80 82 77-9 89 91 90 91 90 91 94 93 91 84 82 75 69 73 73 74 77 87 90 91 95 97 91 91 89 89 4 94 80 92 93 88 88 74 79 75 73 78 78 80 80 83 87 89 94 92 91 94 95 85-7 93 93 94 97 95 96 91 87 80 89 80 86 84 85 78 81 82 87 89 91 90 91 92 88-7 93 93 94 93 94 96 94 89 87 82 80 74 76 76 81 83 89 88 89 92 93 94 98 80 99 98 98 98 99 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 89 80 96 97 97 98 98 98 97 99 96 94 88 72 71 66 70 73 75 80 85 86 87 93 94 94 94 87 88 88 88 91 92 91 89 84 80 76 74 73 79 83 87 88 88 88 91 92 91 89 85-7 81 82 83 81 84 86 88 89 84 75 73 66 62 60 63 64 62 75 74 76 86 84 89 89 93 94 94 94 94 94 94 94 94 96 97 97 97 98 98 85 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 97 97 97 97 97 98 98 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 94 96 99 94 97 97 97 98 98 88 89 99 94 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 99 94 97 97 97 98 88 88 87 97 99 96 86 86 72 70 65 63 62 60 62 68 79 87 91 91 91 93 94 94 94 96 85 28 87 88 88 87 97 97 98 98 88 89 89 89 89 87 88 88 88 88 88 88 88 88 88 88 88 88 |

14

15

Hour G. M. T. RELATIVE HUMIDITY
Percentages at exact hours, Greenwich Mean Time

481. KEW OBSERVATORY: North Wall Screen: ht (height of thermometer bulbs above the ground) = 3.0 metres

NOVEMBER, 1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14.	15	16	17	18	19	20	21	22	23	24	Mean	Vapour Pressure*
Day 1 2 3 4 5	% 79 98 96 97 96	\$ 89 96 97 94 98	% 90 94 97 94 96	\$ 89 94 97 93 93	% 91 93 98 90 97	95 85 99 94 96	95 85 95 90 98	% 88 80 95 91 93	% 83 88 90 87 96	% 81 90 85 88 99	% 95 87 77 86 96	% 91 88 73 78 96	% 76 88 73 69 89	% 71 86 69 65 87	73 85 67 68 85	% 78 86 72 74 88	\$ 80 90 74 79 92	% 88 90 72 81 95	91 90 75 84 94	89 89 77 87 87	\$ 91 94 76 87 78	\$ 88 94 78 88 83	91 95 84 91 81	92 96 94 93 83	% 86·1 90·0 83·8 85·4 91·9	mb. 11.5 13.2 13.2 11.4 10.1
6	86	85	86	86	87	90	90	93	89	94	76	78	73	76	80	81	85	87	90	91	94	94	92	92	86·3	8·2
7	92	93	95	97	95	97	94	93	91	90	87	88	85	89	90	91	93	94	94	91	93	88	90	87	91·7	8·6
8	91	94	93	95	98	100	100	100	100	98	91	87	87	93	88	93	93	89	93	93	91	93	93	93	93·5	8·7
9	93	93	93	93	89	89	88	86	92	95	91	84	73	65	69	72	74	77	81	76	72	71	78	79	82·5	9·2
10	78	78	77	80	79	79	76	75	74	74	83	87	84	79	80	84	84	83	88	88	91	92	91	96	82·1	9·7
11	91	93	96	97	98	97	93	100	98	97	97	89	86	82	75	80	86	88	86	89	88	83	76	75	89·6	8.9
12	79	91	92	93	92	93	96	96	91	83	81	78	74	67	68	79	83	96	89	85	86	86	84	87	85·1	8.7
13	87	83	86	86	91	92	94	94	92	76	91	86	79	82	83	85	86	86	86	87	84	88	87	90	86·7	8.2
14	89	90	90	91	88	91	91	89	87	84	83	79	79	87	89	90	87	85	85	87	83	85	88	87	86·9	10.1
15	83	83	81	82	81	79	79	80	74	72	80	89	91	89	83	88	89	90	91	88	88	90	91	91	84·5	10.0
16	90	90	90	90	93	90	93	87	88	83	83	77	77	90	86	88	91	90	90	89	90	89	89	93	88·1	8.9
17	93	91	91	92	92	92	91	91	88	91	92	92	92	89	86	85	85	77	82	80	82	82	82	82	87·7	9.6
18	82	80	76	80	79	82	82	83	82	83	82	81	80	79	80	80	84	87	86	83	77	78	77	79	81·0	8.9
19	79	79	83	83	83	87	91	94	92	97	73	70	64	64	66	71	77	76	82	88	93	93	92	93	81·8	8.4
20	94	98	98	96	94	96	96	98	93	91	89	89	88	89	89	91	92	92	93	94	94	93	93	92	93·0	10.9
21	91	89	89	90	90	93	92	96	90	90	88	86	88	88	89	89	89	90	93	96	91	92	91	90	90·5	9·4
22	93	91	91	93	93	90	90	90	86	86	88	88	85	86	84	86	82	82	85	80	79	78	80	83	86·3	8·9
23	84	81	84	84	80	80	83	81	78	75	75	94	62	65	68	68	74	76	82	83	85	89	89	85	<u>79·3</u>	7·0
24	85	78	84	84	87	90	87	89	88	85	74	68	68	68	69	77	80	82	80	80	83	90	90	90	81·4	6·2
25	94	95	96	96	97	97	97	97	97	95	87	86	84	87	84	88	91	93	93	96	92	96	94	96	92·7	<u>6·1</u>
26	98	97	97	96	93	96	92	90	86	80	78	72	68	68	71	76	79	82	82	87	86	87	87	87	85.0	7-6
27	86	83	82	84	87	90	87	91	92	89	91	73	75	73	80	83	86	87	87	88	87	86	87	90	84.7	7-9
28	98	98	99	96	96	98	93	93	93	89	91	91	90	78	77	81	79	70	70	71	74	76	75	70	85.7	10-8
29	78	74	76	77	76	85	90	83	90	84	87	73	69	65	72	77	78	77	82	86	85	83	88	83	79.6	8-4
30	85	84	84	78	81	84	81	81	79	82	81	77	77	78	81	78	81	79	84	91	88	83	74	70	81.2	8-7
Mean	88•8	88-8	89-3	89 • 5	89-6	90.9	90.3	89-9	88 - 5	86-9	85.0	82.9	79-1	78.5	78 - 8	81-9	84-1	84 • 7	86•3	86 · 7	86.1	86.5	86-7	87.3	86-1	+9-2
Vapour Pressure*	9.0 pp.	mb. 8•9	mb.	mb. 8.8	mb. 8-8	mb. 8-8	mb. 8∙8	mb. 8∙9	шр. Э•О	mb. 9∙3	mb.	mb. 9·4	mb. 9·5	mb. 9·4	mb. 9∙3	mb. 9·3	mb. 9∙2	mb. 9·2	mb. 9•2	mb. 9·3	mb. 9.2	mb 9.1	9.0 mp.	8.8 mp.	‡9·1	

	482. KI	EW OB	SERVA'	TORÝ:	Nor	th Wa	11 Sc:	reen:	h _t :	= <b>3•</b> 0	metr	es				•									DEC	ember,	1935
	Day 1 2 3 4 5	% 69 70 78 82 80	74 74 78 84 84	% 78 71 83 84 84	% 81 73 83 87 84	% 82 73 87 80 85	% 70 72 87 85 82	% 75 72 91 85 82	% 76 75 91 80 77	% 83 76 91 84 75	% 78 67 85 87 73	72 66 81 82 75	% 67 65 74 79 70	% 61 61 73 65 66	% 61 62 74 57 65	\$ 65 63 75 59 66	\$ 63 66 82 61 70	\$ 66 68 85 75 82	% 75 74 88 82 82	% 61 75 85 84 80	% 65 79 81 83 92	% 67 74 82 92 94	% 68 73 84 87 93	\$ 68 77 86 85 95	% 71 74 82 80 94	% 70·6 70·8 82·6 79·6 80·2	mb. 7-0 6-2 6-5 6-1 5-9
	6 7 8 9	96 92 93 84 72	94 93 95 86 74	92 96 93 86 72	92 98 96 92 72	94 98 93 92 75	93 98 92 89 72	93 93 90 87 66	93 96 90 86 62	93 98 94 85 60	91 100 90 86 63	93 98 82 80 60	93 98 81 83 59	90 98 83 81 59	89 96 80 81 59	85 98 75 83 62	84 96 83 79 66	86 96 82 78 70	89 96 88 80 75	89 98 87 84 80	89 96 84 78 78	90 93 85 76 77	90 91 84 76 80	93 93 84 77 76	88 93 85 72 78	90·9 95·8 87·2 82·8 <u>69·3</u>	6·9 6·7 7·7 7·6 6·3
	11 12 13 14 15	81 76 80 85 87	87 78 82 87 92	87 75 80 89 93	87 76 75 87 93	87 78 70 87 94	90 78 65 87 96	88 78 71 85 97	89 79 69 79 97	89 81 75 70 95	86 81 75 61 93	83 81 73 60 94	81 79 74 60 94	82 78 69 63 91	81 76 70 65 79	79 72 72 65 81	79 73 75 63 83	79 71 80 63 85	77 69 81 65 79	80 74 79 68 80	82 74 80 69 75	80 76 80 70 82	80 76 82 70 84	80 74 84 72 87	78 76 85 75 85	83·0 76·3 75·9 72·9 88·0	7·7 6·2 5·6 5·0 7·1
	16 17 18 19 20	82 96 89 85 89	82 96 87 85 87	83 94 88 84 90	89 94 88 87 89	85 94 89 88 87	85 96 91 85 89	79 95 90 87 92	71 97 96 89 92	69 100 94 93 92	68 100 90 95 92	65 97 89 93 96	61 96 88 91 100	64 85 85 89 100	68 87 84 89 90	81 89 85 90 88	82 85 85 87 89	82 85 90 89 92	85 84 90 90 93	88 87 92 89 95	90 87 93 90 100	91 91 94 91 100	96 91 90 90 100	98 91 85 91 100	96 91 83 90 100	80.6 92.1 89.1 88.9 93.2	6.5 6.1 5.9 6.0 5.7
	21 22 23 24 25	100 92 95 98 99	100 92 95 98 99	100 92 95 96 99	100 92 97 88 99	93 98 85 99	100 93 100 85 100	100 94 100 87 100	100 95 100 90 99	98 95 100 94 99	96 95 100 94 98	92 95 96 94 93	92 93 100 94 91	91 69 99 96 88	90 70 99 97 88	80 77 99 97 88	84 82 99 97 88	86 85 99 99	88 86 100 99 89	90 88 100 99 89	92 92 99 97 83	92 93 99 97 84	93 93 99 99 84	93 96 98 99 86	93 96 98 99 88	93·9 89·5 <u>98·5</u> 94·9 92·7	5·2 4·9 <u>4·7</u> 7·0 9·7
	26 27 28 29 30	91 88 92 94 89	92 86 94 94 91	92 87 96 94 93	96 91 96 93 93	93 89 96 94 92	93 89 95 94 91	94 88 94 96 89	96 91 94 96 88	96 91 90 96 87	97 83 92 91 78	98 83 94 88 82	98 92 92 85 76	92 92 94 82 86	91 89 92 85 80	83 86 91 86 84	88 87 89 85 88	88 89 86 90 89	84 88 88 88 91	84 88 88 90 92	86 89 88 84 91	86 91 91 87 92	86 89 93 87 91	87 89 93 88 91	87 92 90 88 91	90.8 88.5 92.0 89.8 88.1	10·5 10·4 10·1 8·9 10·3
	31	88	83	79	87	87	85	88	93	95	93	94	95	92	92	89	.87	89	89	91	91	91	89	91	91	89 • 5	10·3 +7·1
-	Mean Vapour	ль.	87-8	87·9	mb.	88·5	mb.	87·9	87·9	mb.	86 · 4	84·8	83·9	81·4	80·2	80·4	81·5	83·7	85.0	85.6 mb.	85·7	86 · 7	86·7	87·3	86·7	mb.	
	Pressure*	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.1	7.3	7-2	7.2	7-1	7.1	7.1	7.0	7.0	6-9	6.9	6.9	6.9	6.9	‡7·0	
ı	Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	1 1

483. KEW OBSERVATORY: North Wall Screen: ht = 3.0 metres

1935

Hour G. M. T.	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Relative Humidity.	% 84•5	% 85•4	% 86•1	% 86•6	% 86•7	% 86•0	% 84·1	% 81•5	% 77•9	% 74•3	% 70•8	% 68·3	<b>%</b> 66 •0	% 65•1	% 64•5	% 65•4	% 67•4	<b>%</b> 69∙9	% 72∙9	% 76•2	% 78•5	% 80•7	% 82•3	% 83•4	% 76•9
Vapour Pressure in Willibars.*		mb 9•7	mb 9•6	mb 9•6	mb 9•6	mb 9•6	mb 9•7	mb 9•8	<b>m</b> b 9∙9	mb 10•0	mb 10•0	mb 10.0	mb 10•0	mb 10•0	mb	mb 10•0	mb 10•0	mb 10•0	mb 10•0	mb 9•9	9-9 mp	9•9 mb	mb 9•8	mb 9•7	mb 9•8

^{*} Computed from the mean temperature and mean relative humidity.

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

484. KEW OBSERVATORY: North Wall Screen: ht = 3.0 metres

1935

Month.	Mean	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	1.5	16	17	18	19	20	21	22	23	24
January February <b>M</b> arch	% 83•7 77•5 75•7			+3•9	+3-9	\$ +2·3 +4·0 +10·2	+4.2		+5.4	+3.6	% 0•0 +0•9 -1•2	-2.6	-4·1 -4·9 -10·5	-7•1	-7.5	-8.3	-7•3	-5.1	-2•4	-0.6	+0•1	+0-8		+3.3	+3•0
April May June	67-0		+12•5	+12-9	+9·3 +14·0 +14·1	+14.5	+13•4	+9.7	+4.1	-0.4	-5-4	-8-8	-10·8 -10·9 -11·1	-13.8	-14.3	<u>-15·1</u>	-13-9	-12-9	-11-9	-9.1	-3-2	+2-7		<b>+7∙</b> 6	+9·8 +10·3 +10·1
July August September	71.3	+12•5	+14•0	+15 • 7		+16.0	+16 •8	+10·8 +11·9 +9·9		+0 • 4	-3.8	-8.2	-11·7 -12·1 -10·4	-15-9	-16.9	-18-5	-18.9	-17-4	-13.8	-8•7	-1.9	+1•7	1	+7•5	+10•4 +10•2 +6•4
October November December	80•8 86•1 85•7	+2-6		+3•1		+3.4	+4.7	+4.1	+3.7	+2•3	+0•7	-6·9 -1·1 -0·9		-7-0	<u>-7-6</u>	-7•3	-4.2	-2.0	-1-4	+0.2		+0-1		+0•6	+1.2
Year	76 • 9	+7•6	+8•5	+9•2	+9•7	<del>+9•8</del>	+9•1	+7•2	+4•7	+1•1	-2•5	-6•0	-8•5	-10-8	-11•7	<u>-12·4</u>	-11.5	-9•5	-6•9	-4•0	-0•6	+1•7	+3•9	+5•5	+0•5

† See page 23.

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES

Amounts, in millimetres, durations, in hours for periods of sixty minutes between the exact hours, Greenwich Mean Time KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5.5 metres + 0.53 metres

1935

Hour G. M. T.	0 to 1	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	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mum ·	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	21•4	23•9	42•6	34•4	37•2	29•9	31•8	25•0	23•3	24•1	31•3	20•3	27•2	33•4	29•1	26 • 5	34•4	32•5	20•7	26 • 4	17•6	18•9	20•9	19•1	651•9
Duration	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
	20•5	24•3	21•1	20•8	24•7	22•4	19•3	19•8	19•6	14•7	15•1	16•2	19•8	17•4	16•9	17•0	19•9	20•6	15•5	14•3	15•6	15•6	14•7	17•7	443•5

NOTES ON RAINFALL

486. KEW OBSERVATORY

Dry Periods.

1935

The following definitions are adopted by "The British Rainfall Organisation".

An "absolute drought" is a period of at least 15 consecutive days to none of which is credited 0.2 mm of rain or more.

A "partial drought" is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed 0.2 mm.

A "dry spell" is a period of at least 15 consecutive days to none of which is credited 1.0 mm or more.

"Absolute drought" July 21st - August 11th
"Partial drought" July 20th - August 22nd "Dry Spell" March 4th - 22nd

Wet Periods.

The following definitions are adopted by "The British Rainfall Organisation".

A "Rain Spell" is a period of at least 15 consecutive days to each of which is credited 0.2 mm of rain or more.

A "Wet Spell" is a period of at least 15 consecutive days to each of which is credited 1.0 mm or more.

No "Rain Spells" or "Wet Spells" occurred in 1935

Rainfall Duration.

0-1-1-0 1-1-2-0 2.1-6.0 6-1-12 Hours Number of days

Continuous Falls.

The fall of the longest duration was 25 mm in 9h 30mm on Nov.7th.

Heavy Falls in Short Periods.

On July 2nd. 5mm fell in 4 minutes and 10 mm in 13 minutes

Rate of Rainfall (Jardi Recorder).

The highest instantaneous rate of rainfall recorded by this instrument was 129 mm/hr on June 16th.

RAINFALL

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

487. KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5.5 metres + 0.53 metres

JANUARY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5+6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day 1 2	***1	mm ••5	mm 	mm	•3	•1 •2	mm •3 •1	·2 ·1	<u>mm</u> •2	mm -2	1828 	1813 	mm 	mm • •/•	mm • • •	•3 •••	-2	•1 •••	TRATES.	***	360t	2000 	•4	-1 ···	2·1 1·5	hr 4·7 4·0	mm/hr 2 1
3 4 5	•••	•••		•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	::: :::	•••	
6 7 8 9	•••	•••	•••	·i	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	:i	•••	•••	•••	•••	•••	•••	•••	•2	0·2 0·2 ···	0·5 0·5	4
11 12 13 14 15	··· ···	•••	:1	•••	•••	·1	•••	•••	•••	•••	•••	•••	·1 ···	•••	•••	•••	 :i	2-91	′2·3 ··1 ···	•••		• • • • • • • • • • • • • • • • • • • •	•2	-21	5·4 2·0 0·2	1.6 4.4 0.6	<u>36</u> 
16 17 18 19 20	•••	···	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	0·1	0.2	· · · · · · · · · · · · · · · · · · ·
21 22 23 24 25	•••	•••	•••	•••	•••	() 	(·1)  	•••	•••	1.0	::: ::i		··· ··1 ··6	•5+	··· ··· · ₇ · ₁	···	•••	•••	•••	•••	•••	2.3	•••	·1	0·2 ··· 1·0 <u>6·2</u>	0·3 ··· 1·6 3·7	2  2 22
26 27 28 29 30	···	•••	·1 ···	•2	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•5†	•••	•3	:i :::	:i ::: :::	·1 ···	•••	•9	2·0 0·7 	2·0 1·1 	7 2 
31 Sum	1.0	0.8	0.3	0.3	0.3	0.4	0.7	0.5	0.7	1.2	0.1	•••	1.0	0.5	0-8	0.5	1-3	3·0	2.7	0.4	0.9	2.7	0.9	1.5	0·7 22·5	1·3 26·5	4
Total Dura- tion	hr 1•7	hr 1.5	hr 0·7	hr 0•5	hr 0•9	hr 1·1	hr 1•2	hr 1.4	hr 1.0	hr 0-9	hr 0•3	hr	hr 1·3	br 0∙2	hr 1.0	hr 1·1	hr 1.5	hr 1·1	hr 1·1	hr 0•7	hr 1·2	hr 2.0	hr 1·7	hr 2·4	hr 26•5		

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

488.	KEW	OBSERVATORY:	${\tt H_r}$	=	5.2	metres	+	0.53	metres
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FEBRUARY, 1935

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Day	mm.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	man i	mm	, man	mm	mm.	<b>388</b> *	- MM	- ma	1000	1 3000	-	1.5	hr 1.4	/m
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tion	1.5	1.0	1.9	1.4	1.6	1.6	1.5	2.4	2.6	2.0	3.2	3.6	3.2	3.7	2.5	1.1	1.0	2.4	1.8	1.7	1.9	7.0	1.7	2.2	49.1		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		
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⁺ Hour of occurrence of the maximum rate of fall ( 5 mm/hr or more.)

RAINFALL

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time
489. KEW OBSERVATORY: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 5.5 metres + 0.53 metres MARCH, 1935

Dura Amound Hour 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 0-1 1-2 6-7 8-9 2-3 3-4 4-5 5-6 7-8 0-24 Rate G.M.T 0-24 Day 1 mm -<u>,</u> -2 0.3 0.7 2 ------... ... •::3 . . . •1 2.61 3.3 1.4 18 ... • • • ... ... ... 4 ... ... ... . . . ... 0.7 1.9 •1 •2 ... ... ... ... ... ... ... ... ... . . . ... . . . ... ... ... ... ... ... • • • ... • • • • • • ... ... . . . ... 10 ... ... ... ... ... 13 ... • • • ... ... ... ... . . . ... ---... ... ... ... ... ... ... ... ... ... . . . ... ... 16 17 18 0.3 .2 ∵i ŏ·ĩ ... ... . . . ... ... . . . . . . . . . ... ... ... ... ... ... ... ... ... ... ... 19 ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ٠., 0.7 -1 0.4 22 .11 •2 ... ... ... ... •:; ••6 ·:; ·i • 2 1.0 1.3 ٠ĩ 2 4.3 <u>5•3</u> 23 ... ... ... ... . . . ... ... ... ... ... ... ... ... ... ... ... • • • ... • • • ... ... ... • • • . . . ... ... ... ... ... ••• • • • 27 . . . ... ... . . . ... ... ... ... ... ... ... ... • • • . . . ... ... ... ... ... ... ••• ... ... ... ... 29 . . . . . . ---... ... ... ... ... ... ... ... ... 30 ... ... ... 31 10-4 0.7 9.3 Sums 0.1 0.2 0.1 0.4 0.2 0-6 1.0 0.1 0.4 0.2 4.0 0.6 0.4 0.3 hr hr hr hr hr hr hr hr hr hr hr hr hr hr hr hr hr Dura-0.5 0.5 1.0 2.0 0.8 0.3 10.4 0.6 0.1 1.0 0.7 0.1 0.8 1.0 0.8 0.4 0.1 ...

tion

49	90. I	KEW O	BSERV.	ATORY	: H _r	= 5.	5 met:	res +	0.53	metr	es									-					APRIL	, 193	5
Day 1 2 3 4 5	·mm	PAINED.	man.	mm	mm	mm	mm	mm		mm	***	  .1	mm	mm • 3† • 4†	mm 1-0	mm7+ .1 .9 .1	mm -1 -3	**************************************	mm	m. •••	mm  	mm •6	mm •1+ •••	mm	0.7 1.0 0.5 2.9 0.8	hr 0.6 0.7 0.4 3.5 1.0	mm/hr 5 18 8 6 3
6 7 8 9 10	1·3 3·4 ·6	•9 •3 •3		1.8	•3	•2	·2 ··· 1·2	1.2	···	··· ·1	•2	•••	2-4†	•3	·2 ·5	1.2	2·4+ ·6	•6 •6	•3	1.6		··· ··· 1··6 ··· 1··0	1.7	·3 1·8 1·2 ···	0·3 13·8 11·4 2·6 5·0	0·7 12·0 5·9 3·9 3·4	24 29 1 6
11 12 13 14 15	•••	•••	•••	•••	•••	•••	•••	•••	•••	•7	1.6+	•••	•••	•••	····	·••	•••	•••	•••	-6	1.7	1.2		•6	2·3 3·5 1·0 1·6	1·1 2·3 0·5 2·7	12  4 11 2
16 17 18 19 20	·6 ··· 1·3	2·2† ·8 ·7	1.6	1.1	·1	•••	•••	•••	•6	•••	•••	2	•4	·3 ··· ·1+ ·3	···	•••	• • 5	•4	•2	•••	·i ·:		•••	··· ·i ···	6.5 1.5 1.9 2.3 1.0	4·8 0·9 2·7 2·5 1·2	5 4 7 2
21 22 23 24 25	•••	•••	•••	•••			•••	•••	•••	•••	·i ···	•2	:	•••	2.9	2.1	1.3	···	•2	•••	•••	•••	•••	•••	0·3 ··· 7·4	0·2  3·8	3  10
26 27 28 29 30	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	:::
Sums	7-2	5.2	2.5	2.9	0.4	0.5	1.4	1.2	1.4	0.9	1.9	0.5	3.6	2.1	4.8	6.3	5-2	2.4	0.9	2•4	2.7	4.8	2.5	4.0	68•3	54.8	
Total Dura- tion	hr 4•9	hr 4·4	hr 2•1	hr 1.5	hr 0•8	hr 1•1	hr 1.2	hr 0•8	hr 0•8	hr 0•8	hr 1.2	hr 0•5	hr 2•4	hr 1•7	hr 2•9	hr <u>4•9</u>	hr 4•5	hr 2•9	hr 1•7	hr 1•8	hr 2•4	hr 3•7	hr 2·1	hr 3·7	hr 54·8		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0.24		

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

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

RAINFALL

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

491. KEW OBSERVATORY: H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5.5 metres + 0.53 metres

MAY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day	mm	mm	mm	mm	mm	mm	mm	min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm.	mm 2 • 7	hr 4•9	mm/hr
1	•••	•••	• • • •	1	1.2+	•1	•3	-3	•4	•••	-1	-2	••••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••			1 .
2	•••	•••	•••	•••	•••	•••	•••	•••	•••	,•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••	••••					:::	:::
3	•••	•••	•••	• • • •	•••	•••	••••	••••	•••	•••		•••		• • •	•••	•••		:::		:::			:::				
5	•••	•••	•••	•••	•••	•••	•••		•••	•••		:::		• • • •	•••												•••
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9	•••					•••			•••	•••	•••	•••	•••		•••	•••	•••	•••	••••		•••	•••	•••	•••	••••	•••	• • • •
10	•••		•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••
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11	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	
12	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	····	•••	•••	•••		•••	•••	•••	•••	•••	•••				
13	•••	•••	•••	•••	•••	• • •	1::	1.2		•••	• 3	•••	•••	•••	•••	•••		•••	•••	•••			• • • •		3.2	2.9	1 4
14 15	•4	·:i	•••	i ii	2.3+	•5	1.1	1	•1	•••		l "i			:::			:::							3.9	2.4	l ē
10	-4	71	•••	1	2-31		•••	•••	•••	•••	•••	_			•••		***				1		1				1
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17																							• • • •			•••	
18	•••													•••	•••	. • • •		•••		•2	•1	•••	•••	• • • •	0.3	0.4	3
19	•••	•••	<b> </b>				•••					-2	•9	1.7+	•6	-2	•3	-8	-1	•••	•••	•••	•••	• • • •	4.8	4.1	8
20	•3	•6	-4	•••	•••	•••	•••	•••	•••	3.0+	•2	•••	•••	-2	2.0	2.8	4.5	•9	-4	•••	•••	•••	•••	•••	<u>15·3</u>	<u>6·7</u>	28
21		١											ا ا											•••			
22	•••															•••		•••	•••					•••			
23	•••			• • • •							•••	•••		•••	•••	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••
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25	•••	-3	•6	•1	•5	-2	•5†	•5	•3	•3	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	3.3	4-4	9
26			l		{								l														
27	•••		:::	:::		:::	:::	•••		:::		•••	:::	•••	-1+	•3									0.4	0.4	5
28	• • • •						:::				1.1+	•1		•••	•••				•••	•••					1.2	0.4	12
29			1											•••	•••			•••							• • • •		
30	•••													•••	•••	• • • •	•••	-1	•••	•••	• • • •		•••	•••	0.1	0.1	1
				ļ			i									•			l	·		1.			0.2	0.3	l
31	•••	•••	•••	()	(-1)	•••	•••		•••	•1	•••	•••	<u> </u>	•••	•••	•••	···	•••	•••	•••	***	<del>  •••</del>	···	•••	10.2	<del> 3</del>	<del>  :::</del>
Sums	0.7	1.0	1.0	0-3	4.1	1.7	1.9	2.0	0.8	3-4	1.7	0-6	0-9	1-9	2.7	3-3	4.8	1.8	0.5	0.2	0.1	•••	•••		35•4	27.0	
Total	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		
Dura-	0-6	1.3	1.5	0.5	2.1	1.7	2.5	2.6	1.9	0.9	0.8	1.0	1.0	1.4	1.6	1.5	1.4	1.4	0.9	0.3	0.1	·			27.0		l
tion	J , J		1		~ -								لنتا					ــــــــــــــــــــــــــــــــــــــ		ــــــــــــــــــــــــــــــــــــــ		<u> </u>	<u> </u>			L	

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

492. KEW OBSERVATORY: Hr = 5.5 metres + 0.53 metres

JUNE, 1935

Day	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm .	mm	mm	7000	mm	mm	mm	mm.	mm	min	mm	mm	12000	mm	mm		hr	mm/hr
1		• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	-8+	•1	0.9	0.9	5
2	•5	•4	1.6+	•1	•••		•••	• • • •	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	2.6	3.3	7
3		•••	•••	•••		•••	•••	•••		•••		^ •7	1.0	•••	-8+	•••	•••	••••	•••	•••	•••	•••	•••	•••	2.5	1.5	20
4				•••	•••	-3+	•••	• • • •	•••	•1		•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	0.4	0.5	6
5						•2	3.3	2.7	3.6+	•2				•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	10.0	3.4	7
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6		•••	,	•••					•••			•••	•••	•••	•••	•••	•1	•1	-8†	-2	1.0	•6	•3	•1	3.5	4.2	6
7	•1	•2	•2	•1	1.4	1.1+	-5	•1	3	-1				•••	•••	•••	•••	•••	•••	•••	·	•••	•••	•••	4.1	4.8	6
8									• • • •			•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	• • • •		
9														•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	• • • •	• • • •	]	] ··· ]
10			3.8+	4.6	3.6	2.0	-3				•••		•••				•••	•••	•••	•••	•••	•••	•••		14.3	4.2	37
					-											ļ .	ļ			1		·		1	1.	ì	1 1
11		·			-2	<b></b>				-4	<b> </b>	l ]	•••	•••			-1	•5	-2	•••	•••	•••	•••	•••	1.4	2.1	4
12			•••	• • • •						l			•••	•1			•••		•••		•••	•••	•••		0.1	0.1	
13		-7+	-4	•3	-3	•1	-3												•••		•••		•••	•••	2.1	3.2	6
14		-7+	•3	•2		1							•••				-1	-9	-5	-1	•••		•••		2.8	3.3	7
15										•3	•7	-8+	•3	-2	•5		•••			•9	•••	1.1	•1		4.9	2.9	29
	•••	•••	***	***	•••			1	'''			1					l .			(	l			ļ	•	l	1
16.	-1	-3	-2	•••		•1	-1					•4	-4	6-3+	-1	١	l				•••		•••		8.0	2.8	129
17		_	1			l	l																1.4	2-4+	3.8	1.7	12
18	•3	•••	l •••	•••	•••	i							•8+						•••	<b></b>				-1	1.3	0.9	8
19	•2	•••	•••	•••	• • • •	1	•••	•••	:::														•2	-2	0.6	1.1	l l
20				-4	•2	-4	•••	• • • •	( )			•1	•9	•4			•1								2.5	2.6	3 1
~∪	•••	•••	•••	•		-	•••	•••	•••	•••	···	-		· •	•••	•••	-	***		***				***			1 1
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23	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••													
24	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••			ı										l l
25	•••	• • • •	•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	5.1+	2.9	6.6		.2	.2	1.8	3.2			•1		20.1	2.7	106
	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••	•••	•••	0.1	~ "		٠٠٠	_	~			***			***			i I
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27	•••	•••	•••	•••	•••	• • • •	•••	•••	••••	•••	•••	•••	•••	•••	•••	•••									l :::		
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28	•••		•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••							:::		
29 30	•••	• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	:::	:::			:::	l	l	l l
30	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••		• • • •		1	l '''	1	l I
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Sums	1.2	2.3	6.5	5.7	5.7	4.3	4.5	2.8	3-9	1.1	0-7	2.0	8-5	9.9	8-0	•••	0-6	1.7	3-3	4.4	1.0	1.7	2.9	2.9	85-6	45-9	
	±	2.3	0.0	1 3.1	1 3.1	1 2 3	4.0	1 ~ "			١ ٠ .			ا کے	" "	1	1.			] " "				1	1	1	1
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Total	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	br	hr	hr	hr	hr	hr	hr	hr	hr	hr 2.7	2.3	45.9	l '	) l
Dura-	2.4	3-2	3-3	3.0	3-2	3.6	2.7	1.1	1.4	0.9	0.2	1.5	2.1	1.7	1.4	•••	0.9	2.6	2.2	1.4	0.7	1.7	2-1	2-3	L. 2. 3	1	
tion		-		<b>-</b>		<b></b>	<u> </u>	-	<del></del>	├	<del> </del>	<del>  </del>	<del></del>		<u> </u>	<del> </del>			<u> </u>	<del></del>	<del></del>	ļ		t			-1
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G.M.T.	0-1	1-2	2-3	3-4	4-5	0-0	0-1	1-0	0-8	8-10	10-11	-IIR	-4-13	-3-14		1-0-10	-0-1	_,0		-0-10						I .	
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Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

493. KEW OBSERVATORY: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 5.5 metres + 0.53 metres

JULY, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm.	mm	mm	mm	mm	mm	mm	hr	mm/hr
i	•••						•••					•••							-61	• • •					0.6	0.1	9
2	• • •	•5	21-4+	4.8	1.0					•••	•••	•••			•••		•••		•••	•••	•.••	•••	•••	• • • •	27.7	<u>3-1</u>	<u>68</u>
3	•••					•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••		
4	•••	• • • •		•••	•••	•••		• • • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••.	•••	•••	• • • •	• • • •	• • •	• • • •
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Sums	•••	0.9	22-4	7-1	1.3	•••		•••		•••	0.9	•••	0.1	•••	0.5	1.1	5-6	0.5	0•6	•••	•••	•••	0-8	•••	41.5	8-1	
Total Dura-	hr 	hr 0-6	hr 1·1	hr 2-1	hr 1-4	hr 	hr	hr 	hr	hr	hr 0·1	hr 	hr 0·1	hr	hr 0.2	hr 0•3	hr 1•4	hr 0-3	hr 0·1	hr	hr	hr 	hr 0-4	hr	hr 8·1		

⁺ Hour of occurrence of the maximum rate offall ( 5 mm/hr or more. )

494. KEW OBSERVATORY: H _r = 5.5 m	etres + 0.53 metres
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AUGUST, 1935

Day	mm	mm	mm	mm	mm	mm	mm	70270	mm	mm	mm	min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	hr	mm/hr
1 1	•••	•••	•••	•••	• • •	•••	•••	•••	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	• • • •	•••	***
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G.M.T.					1																					<u> </u>	
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⁺ Hour of occurrence of the meximum rate of fall ( 5 mm/hr or more. )

RAINFALL

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

495. KEW OBSERVATORY: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 5.5 metres + 0.53 metres

SEPTEMBER, 1935

Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Amount 0-24	Dura- tion 0-24	Max. Rate
Day 1 2 3 4 5	mm 2.9	**************************************	mm 	mm	1·9+ ···	mm	mm.	•6	mm	mm  1.7+	mm -4	mu .		mm	mm	mm	mm	mm .2	**************************************	mm 2.6	mm •6† 2•0†	mm  2.6	mm 	mm	nm 0·1 2·5 0·6 7·3 8·4	hr 0.1 0.8 0.2 3.5 4.5	mm/hr 6 26 13 51 13
6 7 8 9 10		•••	( <u>a</u> )	( <u>a</u> )	(·1)  	(d)	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	0·1  	•••	
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Sums	4.1	4.0	0.8	2•0	6-2	0.6	0-3	2.7	4-9	<u>7·1</u>	5•8	1.9	1-8	3-0	0-3	2-4	2-4	0-4	1.6	2-7	3-2	3-9	1.7	1-0	64.8	39•3	
Total Dura-	hr 2•9	hr 3•9	hr 1.2	hr 1.6	hr 3•0	hr 1·1	hr 0•2	hr 2•2	hr 2•9	hr 1-8	hr 1.7	hr 1•4	hr 1.8	hr 1-4	hr 0•6	hr 1•0	hr 0•9	hr 0•9	hr 1•4	hr 1•0	hr 2•0	hr 2•2	hr 1•3	hr 0•9	hr 39∙3		

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

496. KEW OBSERVATORY:  $H_r = 5.5$  metres + 0.53 metres

OCTOBER, 1935

1 2 3 4 5	mm 1.4	mm	mm	mm	mm	mm	mm	mm	mm ••• •1	mm	mm •••	nm ••• •1	mm ·1 ··· ·3 1·1†	mm	•1 •2	mra	mm •1	-6	mm •••	4 2·3†	1·1† ·1 ·2	mm	mm 2·1	mm 2.5 .3	mm 0·1 2·3 7·5 7·1	hr 0·1 2·6 2·7 4·4	mm/hr 8 51 41
6 7 8 9 10	•••	···· ·1 ·2	··· ··· ·1 ·5	•••	1.0	4.5+	2.7	1.8	•4	1.0	1.7	1.9+	•6	•••	•••	•••	•••	•••	-2	•••		•2	•••	•••	5·6 0·6 11·4	4·1 0·7 4·8	16 3 29
11 12 13 14 15	•••	•••		•••	•••		•••		•••	•••	•••	•••	•••	-2+	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	0.5	0.1	6
16 17 18 19 20	•••	•••	···	•••	•••	···	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	·1	0·1  1·0	0·4  0·8	 12 
21 22 23 24 25	•2	•••	•••	:1	··· ·1	•4	1.0	··· ·1	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	 	 ::i			•6		0.8 0.2 1.9	0.8 0.3 3.4	  1
26 27 28 29 30	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••			•2	•9	···	•••	•••	1.2	1.7	2
31 Sums	2.0	1.0	0.7	1.2	2.8	3·0+ 10·1	3.9	1.9	0.5	1.0	1.7	2.0	2.1	2·6 2·9	2.0	•5 0•5	• <u>4</u>	·3	0.4	3.0	2.3	0.3	3.4	3.1	10·2 50·2	<u>6•0</u> 33•0	31
Total Dura- tion	hr 1•2	hr 0-6	hr 1.0	hr 1.5	hr 1.9	hr <u>4·2</u>	hr 2•2	hr 1.4	hr 0•5	hr 1.0	hr 1.0	hr 1.2	hr 1.6	hr 1.1	hr 1-4	hr 0•7	hr 0•9	hr 1•3	hr 0•6	hr 2.0	hr 2•1	hr 0•5	hr 1•5	hr 1-6	hr 33·0		
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		

RAINFALL

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

497. KEW OBSERVATORY: Hr (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + hr (height of receiving surface above ground) = 5.5 metres + 0.53 metres.

NOVEMBER, 1935

																								2.00		, 190	,
Hour G.M.T.	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-26	Dura- tion 0-24	Max. Rate
Day 1 2 3 4 5	·4 ·6	·1 ·1 ·1	-4	mm	mm	·7	mm 2·3 ·1	mm	mm · 7	•1	mm 6·7†	mm •5	mm	mm	mm	mm	mm   .1	mm	mm	mm	mm	mm	mm •2†	mm	mm 10·2 1·4 0·9 3·5 0·1	hr 2·2 1·7 1·0 4·4 0·1	77 2 13 3
6 7 8 9 10	•••	***	•••	•••	•••	•••	•••	•••	•5+	1.6+	··· ·5 ·3	·2 ··· 1·5†	1.8 .1 	1.8	3.9	3.6	3.1	2·1 ·1	3·6 ·4	4·8 2·4+ ···	·6 ·9 ·4		···· ··1 ··3	···	26·0 6·0 2·5 2·7	9·7 3·4 1·7 1·5	10 21 15 15
11 12 13 14 15	•••		·8 ·3 ···	1·5 ·4 ···	2·1+ 3·9+	·1 2·2 ···	2.2	1.0	•2	•••	•••	····	•••	···	···	·2 ·2 ·2		•••	•••	·1 ···	•2	; .i  .i	•••	·4 ·1	5·7 10·2 0·6 0·8	4·5 4·9 1·5 1·7	32 7
16 17 18 19 20	1.9	·1 1·5 ···	1.4+	1.8	1.7	1·1 1·0	2.2+	-7	•5	·2 ·3 ···	1.0	1.3	·1 1·1 ···	2·1 1·9 ···		·3 ·1 ·3	··· ·2 ·3	··· ··2 i··5	··· ·1 ··· ·4	·2 ·6	·1 ·: ·4	···	•••		10·5 15·9 0·5 1·3 4·1	6.5 14.1 1.0 2.0 5.3	26 9 1 3 2
21 22 23 24 25	·1	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	•••		•••	•••	•••	•••	•••	•••	0.2	0.5	
26 27 28 29 30	•••	•4	··· ·1 ···	•1	•5	1.1	•••	•••	•••	•1	•••	···· ··· ·1	•••	•••	•••	•••	•••	•••	•1	 1-4	1.5	  2·1†	•••	•••	2·2 5·3	2·8 3·1	4
Sums	3.5	2.6	3.0	4.9	10.2	6-4	7-1	1.7	2.2	2.3	8.5	3.7	3.5	7.7	4.7	5•0	5•0	4.0	4-6	9-6	4.3	2.6	0-6	2.9	110-6	73-6	
Total Dura- tion	hr 3•7	hr 3•3	hr 3.5	hr 3·7	hr 5·1	hr 4·6	hr 2-7	hr 1·3	hr 2•3	hr 2•3	hr 2·4	hr 2-9	hr 3-1	hr 4•0	hr 2•5	hr 3•3	hr 3•6	hr 2•8	hr 2•4	hr 4•5	hr 4•2	hr 1•6	hr 0•7	hr 3·1	hr 73·6		

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

498. KEW OBSERVATORY:  $H_r = 5.5$  metres + 0.53 metres

DECEMBER. 1935

Day 1	mm	mm	mm	mm	mm •2	mm	mm •2	mm ·1	mm	mm	mm	mm	mm	mm.	D.M.	mm	mm	mm	mm •1	mm	mm	mm	mm	mm	mm 0.6	hr 1·4	mm/hr 1
2		•••					•••		•••	•••	•••		•••		•••		•••				•••		•••	•••			•••
3	•••	•••	•••	•••	• • •			•••	()	••4	8	·:;	•••		•••	•••	:::	•••	•••	•••	•••		• • • •	•••	1:3	1.9	i
5	•••	()	•4	··1			•••		••••						•••			•••			•••			•••	0.5	1.7	•••
6					l			.1		•1	-1					<b></b>									0.3	0.5	
7	•••								•••		•••	•••			•••			•••		•••			2.9+	•4	3.3	1.2	8
8	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	••••	•••	•••	•••	2.54	•••	•••	•••	•••	•••	•••	2.5	0.6	26_
9 10	•••	•••		•4			:::		•••			•••	•••		•••	•••	•••							·i	0.1	0.1	•••
				1					١, ١																	ا م	
11 12		•••	•••	•••	()	()	•1			•••	•••	:::	• • • •	•••		•••	:::	•••	•••	•••	•••	• • • • • • • • • • • • • • • • • • • •	•••		0.3	0.8	•••
13		•••		•••				•••	•••	•••			•••		•••	•••			•••		••••	•••	•••	•••			•••
14 15	,···、	•••	• • • 3	• • 2	•••	':i	i·i	·::	•••	•••	•••	•••	•••	•••	•••	•••	••5	•••	•••	•••	•••	•••	•••	•••	2.9	4.2	3
1.20	()	-3		- "	"			1	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	***	•••	•••	•••	***	~ "	7 ~	"
16	•••	•••	•7+		··:			,·;;		<b>**</b> *	<b>***</b>	;·;	•••	•••	-2+	•1	•••	•••	•••	•••	•••	•••	•••	•••	1.0	1.7	6
17	***	• • • •	(1-4)	(1-1)	(L)	(11)	()	(-1)		()	()	()	•••		• • •			•••	• • • • • • • • • • • • • • • • • • • •	:::	•••			•••	0.1		
19						•••	•••		•2	•1	·1	·1		•••	•••	•••		·1	•1		•••		•••	•••	0.7	1.6	1
20	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••
21							•••			•••						•••			•••			(LL)		()	ļ		
22	(·1) (·1)	()	()	(L) (L)	(1-1)	(:1)	(L)	(L)	:-:	•••	•••	•••	•••	•••	•••	•••	•••	•••		;•;	<b>(LL)</b>	()	()	()	0.5	••••	•••
23 24	(-1)	(LL) (LL)	(LL) (·1)		()	1.1	( <b>LL</b> )	(LI) 1·2	1.2		··i	·:i	•1	.2	•••	•••	··i	•••	(14)	(—)	( <b>L</b> )	(.1)	()	(L)	0·3 4·3	5.0	3
25	•••	2-2	1.3	•1		·ī	•••		•••	•••	•••	•••	•••	•••	•••	•••	•3	•1	•••		•••		•••		4.1	2.9	3
26	.1			-4	-1			-2	.7								<b> </b>						l		1.5	1.3	
27				1.9+	-9	1.6	i·i	•3	-3	·i	•••	•••	•••	1.0	-2			•••	•••				• • • • • • • • • • • • • • • • • • • •		7-4	7·0 5·5	13
28	•••	1.9	•8	•3	-6	•2	•••	•••	•••	-8	2.2	1.0+	•••	•••	•••	•••	•••	•••	• • • •	•••	•••	•••	•••		7·8 2·1	5·5 3·4	끡
30	••3	••6	•••		:::	:::		:::		•••	•••	•••	·2 ·1		·i	1.9	8	.2	•4			·3 ·1	•5	·6 ·2	5.7	5.0	1 4
		•		***							ł																ا ,, ا
31	•••	•••			•••	•••	•1	-6	1.0	1.4	1.9	1.3	•3	.1	•••	•5+	•••	•••	•••	•••	•••	•••	•••	•••	7.2	5.4	12
Sums	0-6	.5•0	3•6	3-4	2.1	2.3	3-1	2-8	3.5	3.5	<u>5-2</u>	2.6	0-7	1.4	0-5	2.5	1.7	2.9	1.0	•••	0.9	0.5	3.5	1.3	54·6	51.3	
Total	hr	hr	br	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr		
Dura- tion	0.9	3.1	4.0	4.3	2.7	2-4	3-2	3.6	4.6	2.3	3.5	2.2	1.0	1.2	1.0	1.6	1.3	1.3	1.3	•••	0-3	1.2	1.8	1.5	51.3		
Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	0-24		
G.M.T.	L																	L					<u> </u>	<u> </u>	<u> </u>		

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

499. KEW OBSERVATORY: h_s (height of recorder above ground) = 13.3 metres

JANUARY, 1935

Sect   Lab   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car   Car	Ī	1															•					Í		LAR RAD	IATION Surface	
Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec   Dec	H	lour	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21				icular (		
	L.	A. T.																			day	Possible		near	Sec Z	Sky
1		DRY	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	*	joules/m2			<u> </u>
Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect	ł			1		[ ]						ł		1			1	j	1		3.	I.	1	i	1	•••
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12   12   13   14   15   15   15   15   15   15   15		8					1	•••	1				I .				L			i .					1	•••
1		10						•••	•••	•••	•••	•6	•••	•••	•••						0-6	7	10	•••	•••	•••
1				1	ł	1	1										L	ł		i				1	1	•••
15	1	13 [			<del></del>		1 1	•••	1			•1			1	i		1						1	1	•••
1	1	15					•••	•••	•••	•9	•9.	1.0	.9	-8	•••	•••					4.5	55	460	•••	•••	•••
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SOLAR RADIATION		lean					•07	-23	•27	•24	•23	·25	•18	•22	•15	•04					1.88	19 Per cent	250 *Total	†Rate		
Received on surface perpendicular to solar	H	ieen iour					•07	-23	•27	•24	•23	·25	•18	•22	•15	•04	17-18				1.88	19 Per cent	250 *Total for Day	†Rate near Noon	Sec Z	

^{*} Gorczynski Pyrheliograph. † Angstrom Pyrheliometer.

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

501. KEW OBSERVATORY: hs (height of recorder above ground) = 13.3 metres

MARCH, 1935

Hour									·										Total	Per cent	SO Rece perpend	LAR RAD ived on icular	surface	
L. A. 1	r. 3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	for Day	of Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
Day 1	hr 	hr	hr 	hr	hr	br •7	hr 1.0	hr 1.0	hr •4	hr	hr	hr	hr	hr	hr	hr 	hr 	hr 	hr 3•1	% 29	joules/m² 360	mw/cm²		
3 4	=			•••	•••	1.0	·1 1·0	1.0			1.0	•••	1.0	•••	•••				0·1  8·3	1  75	10 10 1140	73	1.89	Clear
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24 25	=		•••	•1		•9	-2	1.0	1.0	1.0	•9 •3	.3		•••	•••	•••			8•4 0•8	68 6	1380 290	•••	•••	
26 27 28	=	=		•••	•••	•6		1.0 .5	1.0 1.0	•7 1•0 1•0	1.0 1.0	1.0 1.0	•7 1•0 1•0	.2 1.0	•2	•••			2•4 8•7 6•4	19 70 51	390 1520 850	55	1.51	Hazy
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Sum	+=	+						ļ l				I -												
				•02	·11	• 26	•31	•40	•45	•45	<u>•46</u>	•41	•42	•24	•02	•••			3.53	30	560	_ <del></del>		
Sum	1	<b>T</b>		•02	·11	•26	•31	•40	-45	•45	<u>•46</u>	-41	-42	•24	-02	•••			3.53	30	560			
Sum		<b>T</b>	•••					•40	•45	•45	<u>•46</u>	•41	-42	•24	•02	•••			3.03	30	560		L, 193	
Sun			•••	Y: h,	hr •4	,		hr • • 7	hr 1.0	•45 hr •7	•46 hr •2	•41 hr •3	142 hr	·24	hr	hr	hr	hr	hr 3-8	\$ 30	joule sta2 450	APRI	<u> </u>	
Sum Mean  502  Day 1 2 2 3	hr	hr	RVATOR	hr1	hr -4 -9 1-0	5°3 me	hr	hr •7 •4 •8	hr 1·0 ·7 ·3	hr •7 •8 •3	hr •2 •7 •5	hr •3 •2 •8	hr •4 •1 •5	hr3	hr	hr 	hr	hr 	hr	\$ 30 44 52	joule s/m ² 450 750 1030	APRI	L, 193	
Sum   Mean	hr	hr	hr	hr1 .5 1.0	hr ·4 ·9 1·0 ··3	hr •1 •8 •8 ••• 1•0	hr 1-0	hr · · · · · · · · · · · · · · · · · · ·	hr 1·0 ·7 ·3 ···	hr •7 •8 •3 ••5	hr •2 •7 •5 ••6	hr •3 •2 •8 •• •5	hr •4 •1 •5 •• 6	hr .3 .3	hr2	hr 	hr	hr  	hr 3-8 5-7 6-8	\$ 30 44 52 	joules/cm ² 450 750 1030 890	APRI	L, 193	
Sum    Mean	hr	hr	hr	hr 1.0	hr ·4 ·9 1·0 ··· ·3 1·0	hr ·1 ·8 ·8 ·8 ·1·0 1·0 ·2 ·9	hr 1.0 1.0	hr ·7 ·4 ·8 ··· ·9 1-0 ·9 ···	hr 1·0 ·7 ·3 ··· ·4 1·0 ·2 ···	hr •7 •8 •3 ••5 1•0 •6	hr ·2 ·7 ·5 ·6 1·0 ·5 ·6	hr ·3 ·2 ·8 ··· ·5 1·0 ··· ·9	hr ·4 ·1 ·5 · ·6 ·3 · ·1	hr32	hr2	hr	hr	hr	hr 3-8 5-7 6-8  6-8 9-5 2-6 4-6	\$ 30 44 52 52 72 20 35	joule s/cm ² 450 750 1030 890 1630 230 880	APRI	L, 193	
Sum    Mean	hr	hr	hr	hr	hr ·4 ·9 1·0 ··· ·3 1·0 ··· ·1·0 ···	hr •1 •8 •8 •8 •• 1•0 1•0 •2 •9 •••	hr	hr .7 .4 .89 1.01	hr 1·0 ·7 ·3 ··· ·4 1·0 ·2 ···	hr .7 .8 .35 1.0 .6	hr •2 •7 •5 •6 •6 ••6 ••4	hr ·3 ·2 ·8 ·· ·5 1·0 ·· ·9 ·· ·7	hr •4 •1 •5 ••6 •3 ··· •1 ···	hr .3 .322	hr	hr	hr  	hr	hr 3-8 5-7 6-8  6-8 2-6 4-6 	\$ 30 44 52  52 72 20 35 	joule s/cm ² 450 750 1030 890 1630 230 880 10 50	APRI	L, 193	
502 Day 1 2 3 4 5 6 7 8 9 10 11 12 13	hr	hr	hr	hr	hr ·4 ·9 1·0 ··· 1·0 ···	hr ·1 ·8 ·8 ·8 ·8 ·1·0 1-0 ·2 ·9 ··· ·2 ·9	hr	hr ·7 ·4 ·8 ··9 1·0 ·9 ··1 ·3 ··7	hr 1·0 ·7 ·3 ··· ·4 1·0 ·2 ··· ···	hr ·7 ·8 ·3 ··· ·5 1·0 ·6 ··· ·1 ·6 ·1 ·8	hr ·2 ·7 ·5 ·6 ·6 ·4 1·0 ·5 ·1	hr ·3 ·2 ·8 ·· ·5 1·0 ·· ·9 ·· ·	hr •4 •1 •5 ·•6 •3 ··· •1 ··· •1 ··· •1 ··· •4 ··· •1 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ··· •4 ···	hr3 .3222 1.0 .2	hr2	hr	hr	hr	hr 3-8 5-7 6-8  6-8 9-5 2-6 4-6  7-8 2-0 5-3	\$ 30 44 52  52 72 20 35  13 58 15 39	joule s/cm ² 450 750 1030 890 1630 230 880 10 50 1520 340 650	APRI	L, 193	
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Sum    Mean	hr	hr	hr	hr 1-0 1-0	hr ·4 ·9 ·9 ·9 ·1·0 ··· ·3 ·1·0 ··· ·1 ··· ·7 ···	hr ·1 ·8 ·8 · 1·0 1·0 ·2 · ·2 · ·2 ·	hr	hr .7 .4 .89 1.0 .91 .37 .8	hr 1·0 ·7 ·3 ··• 1·0 ·2 ··· ··· ·9 ·2 ·9 ·3	hr ·7 ·8 ·3 ··· ·5 ·6 ··· ·1·0 ·1 ·8 ·3	hr ·2 ·7 ·5 ·6 ·6 ·6 ·4 1-0 ·5 ·1 ·2	hr ·3 ·2 ·8 ··· ·5 l·0 ··· ·9 ··· ·7 l·0 ·2 ·2 ·2 ·2 ·2 ·2 ·2 ·2 ·2 ·2 ·2 ·2 ·2	hr •4 •1 •5 ••6 •3 ·•• •1 ••• •1•• •4 ••• •1•• •1•• •1•• •	hr32222222	hr	hr	hr	hr	hr 3-8 5-8 6-8 9-5 2-6 4-6 1-7 7-8 2-0 3-7	\$ 30 44 52  52 72 20 35  13 58 15 39 27	joule 2/m ² 450 750 1030 890 1630 230 880 10 50 1520 340 650 520	APRI	L, 193	
502  Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	hr	hr	hr	hr	hr .4 .9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 .	hr ·1 ·8 ·8 ·8 ·1·0 1·0 ·2 ·9 ·2 ·2 ·2 ·4	hr7 -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	hr .7 .4 .89 1.01 .37 .6 .9 .9	hr 1.0 ·7 ·3 ··. ·4 · · · · · · · · · · · · · · · ·	hr ·7 ·8 ·3 · ·5 l·0 ·6 · ·1 ·0 ·1 ·8 ·3 ·5 ·4 l·0	hr .2 .7 .56 l.0 .5 .64 l.0 .5 .1 .2 .85 l.0	hr · 3 · 2 · 8 ·	hr .4 .1 .56 .311 .0 .47 .4 1.0 .7	hr3 .3222 1.0 .22222222	hr	hr	hr	hr	hr 3.8 5.7 6.8 6 2.6 4.6 7 7.8 2.0 5.3 3.7 3.1 5.1	\$ 30 44 52  52 20 35  13 58 15 39 27 23	joules/cm ² 450 750 1030 890 1630 230 880 10 50 1520 340 650 520 260 1080 1390	APRI	L, 193	5
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Sum    Mean	hr	hr OBSE	hr	hr	hr .4 .9 1.0	hr -1 -8 -8 -8 -1-0 1-0 -2 -9 -2 -1 -4 -2 -2 -2 -4 1-0 -5 -32	hr	hr ·7 ·4 ·8 ·· ·9 ·9 ·9 ·6 ·3 ·· ·1 ·· · ·7 ·· ·1 ·1 ·2	hr 1·0 · 7 · 3 · · · · · · · · · · · · · · · ·	hr .7 .8 .35 l.0 .6	hr · 2 · 7 · 5 · · · 6 · 1 · 0 · 5 · 6 · · · 1 · · 2 · 8 · · 1 · 0 · · · · · · · · · · · · · · ·	hr · 3 · 2 · 8 · · 5 · 1 · 0 · · 2 · · 2 · · 2 · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · .	hr  -4 -1 -56 -317 -4 1-0 -7 -3569 9-2	hr	hr	hr	har	har	hr 3-8 5-7 6-8  6-8 2-6 4-6  1-7 7-8 2-9 3-7 1-3 3-8 2-7 1-3 3-8 3-6  5-0 0-8 112-8	\$ 30 44 52  52 20 35  13 58 15 39 27 23 37 61 33 19 9 37 27 34 25  35 	joule s/m² 450 750 1030 890 1630 230 880 10 50 1520 340 850 520 260 1080 1390 340 150 550 420 450 300 10 380 180	APRI  ***/cm²	L, 193	5
Sum    Mean	hr	hr OBSE	hr	hr	hr .4 .9 1.0	hr -1 -8 -8 -8 -1 -0 1 -0 -2 -9 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	hr	hr ·7 ·4 ·8 ·· ·9 ·9 ·9 ·6 ·3 ·· ·1 ·· · ·7 ·· ·1 ·1 ·2	hr 1.0 ·7 ·3 ··· ·4 ··· ·9 ·2 ·9 ·3 ·8 ·6 ·4 ··· ·1 ·2 ··· ·1 ·2	hr .7 .8 .35 l.0 .8	hr .2 .7 .56 l.0 .5 .64 l.0 .5 .1 .0	hr · 3 · 2 · 8 ·	hr •4 •1 •5 · •6 · •1 •5 · •6 · •1 •5 · •6 · •1 •5 · •6 · •1 ·9 ·	hr3 .3222	hr	hr	hr	hr	hr 3.8 5.7 6.8  6.8 9.5 6.8 4.6 1.7 7.8 2.0 3.1 1.7 1.3 1.3 1.4 1.6 1.7 1.3 1.6 1.6 1.7 1.6 1.6 1.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	30 44 52  52 72 20 35  13 58 15 39 27 23 37 61 33 19 9 37 27 34 25  35  37 51 39 27 37 37 37 37 37 37 37 37 37 3	Joules/cm² 450 750 1030 890 1630 230 880 10 50 1520 340 650 520 260 1080 1390 240 150 550 420 450 300 10 380 180	APRI	L, 193	5

SOLAR RADIATION Received on surface perpendicular to solar bea

Total for Day

503. KEW OBSERVATORY:  $h_S$  (height of recorder above ground) = 13.3 metres

MAY, 1935

SOLAR RADIATION .

Hour	2.4	4.5	E #	6.7	7 0		0.10	10 11	11 10	10 12	12.14	14 15	15.16	16.17	17.19	18.10	19.20	9091	Total	Per cent	Rece	ived on	surfac	
. A. T.	3-4	4-0	3-0	0-1	7-0	0-5	3-10	10-11	11-12	12-13	13-11	12-10	20-20	10-11	1,-20	10-10			Day	Possible	*Total for Day	†Rate near Noon	Sec Z	Sky
Day 1 2 3 4 5	hr   	hr	hr •4 ••2	hr 1.0 .5 .2	hr 1.0 1.0 .9	.hr 1.0 1.0 .3	hr 1.0 1.0 1.0	hr •6 1•0 •9	hr •6 1•0 •6	hr   1.0	hr •6 1•0	hr .8 1.0 	hr •5 1•0	hr	hr9	hr	hr	hr	hr 8.5 11.2 4.1 5.9	57 75 28 39	joules/cm ² 10 900 2260 500 750	mw/cm ²	•••	•••
7 8 9 10	1111	•••		1.0	1.0	1.0	1.0	1.0 .2 .1 .6 1.0	1.0 .2 .9 1.0	1.0 .5 .8 1.0	1.0 .8 .1 .9 1.0	1.0 .8 .6 1.0 1.0	.9 .7 1.0 1.0	•5 •4 1•0 1•0	1.0 .2 .9 1.0 1.0	•5 •1 1•0 1•0	•••		3·9 3·1 8·2 <u>13·8</u>	83 26 20 54 90	660 140 1440 3010	75  72	1-21	Clear
12 13 14 15	13411	•••	·6 ·1 ·8 ···	1.0	1.0	1.0 .8 .2 .2 .2	•4 •3 •2 •8	1.0	•2 •6 •1	·8• ·1 ·6 ·8	•3 •5 •1 •9 •5	·3 ·1 ·6 ·7	1.0 .2 .4 .9	1.0 .1 .3 .2 1.0	1.0 .1 .4 .4	1.0 .1 .7 .4 .2	•1	   	5·0 5·3 5·0 6·8	33. 34 32 44	400 530 960 670	•••	•••	•••
17 18 19 20	1111	•2	1.0	 1.0 .1	1.0 1.0 .2	1.0 1.0 1.0	1.0 1.0 	•4 •9 1•0 •2	•4 •9 ••	•9 •2 •••	•9	·3 ·7 ···	·3 ·7 ···	•9	•5	•2			8·7 9·8 0·3 1·1	56 63 2 .7	790 1970 80 210	•••	•••	•••
22 23 24 25		•••	·8 ·1 ···	·5 ·1 ···	·6 ·9 ·2	.3 1.0 .8	1.0 .7	.2 1.0 .1	•5 1•0 •••	.7 1.0 .6 .2	·8 ·6 ·6	·6 ·7 ·1 ·2	·4 ·6 ·2 ·6 ·7	.8 .3 .5 1.0	•2	·2 ··· ·1 ·7	•••		6·2 7·8 4·3 3·9	.39 49 27 24	340 1760 490 500	76	1.17	Clear
26 27 28 29 30		•••	•••	•4 ••• •5	•9 ••• •4	1.0	•8 •1 •9 •4	1.0 -8	•5 ••• 1•0 •8	1.0 .9	1.0 1.0	 1.0 .9	.7 .3 1.0	1.0 .3 1.0	1.0	1.0	•2	   :::	9.7 0.1 0.6 11.9 6.1	61 1 4 74 38	1590 30 80 2080 580	•••		•••
	•••	0.2	4.8	11.0	15.9	14.6	14.9	12.5	14.6	16.2	16.0	15.4	16.9	14.5	19.6	9.7	0-5	•••	180.0		20880	•••	•••	
Kean		•01	•15	•35	•49	•47	•48	-44	•47	•52	-52	•50	•52		•41	•31	•02		6-13	40	960			
504.	KEW hr	OBSEF hr	NATOR	Y: h _s	= 13	hr	tres	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	· ·	joules/m	. 9	NE, 19	35
Day 1 2 3 4 5	hr 	hr	hr	hr  .7	hr •9	hr •1 •5	hr -2 -7 -1	hr -1 -4 -1 -1	hr •5 •2	hr -1 -8 -1	hr •3 •4 •4	hr •7 1•0 •3 ••4	hr •9 •6 •1	hr 1.0 .5 .3	hr • 7 • 2 • 2 • 2	hr •9 •2	hr  .3 .1	hr	hr 1·9 5·0 7·4 1·1 2·5	12 31 45 7 15	joules/cm ²³⁰ 510 900 160 560	mw/cm~		
6 7 8 9 10	•••	·1 ··· ·3	·1 ··9	.2 .9 1.0	·1 ·2 ·7	·5 ··· 1·0 ·4	.3 .9 1.0	.4 .1 .9 1.0	.4 .9 .8 1.0	 .8 .6 1.0	 .8 1.0	 .6 .8 1.0	·•4 ·3 ·4	··· ·4 ·9 ···	5. 1.0 6	·2 1·0 ·2	··· ·6 ··4	•••	2·1 4·7 10·7 9·7 2·0	13 29 65 59 12	300 470 1530 2130 170	•••		•••
11 12 13 14 15	•••	•••	•8	··6 ··3 ·2	·2 ·2 ·1	·4 ·2 ·8 ·7 ·5	·1 ·9 ·8 ·4	1.0 .8 .3	•8 •9 •7 •3	·6 1·0 ·4	.9 .2 1.0	.9 1.0 .9 	.9 .9 1.0	1.0 .8	1.0 .5 	1.0	··· ·4 ·1 ···	•••	5·2 7·3 9·1 3·5 3·9	32 44 55 21 24	600 740 1140 210 590	•••	•••	•••
17 18 19 20	•••	•2	•6	•6	1.0		·5	•1	·6 ·1 ·4	·8 ·4	·5 ·1 ·5 ·2	1.0 .5 .6	•6 •1 •6	•6	·8 ·1 ···	•8	•2	•••	1.0 5.0 2.9 1.0	30 19 6	440 470 110	•••	•••	•••
22 23 24 25	•••		•6 •5 1•0 •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	1.0 1.0 1.0 1.0	1.0 1.0 1.0 .4	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	·4 ·4	•••	13.6 13.9 <u>14.4</u> 6.1	82 84 87 37	2940 2950 2210 850	81	1.13	Clear
26 27 23 29 30	•••	•2	1.0 1.0 .4 1.0	1.0 1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0 1.0	.9 .2 1.0 1.0	1.0 .6 1.0 1.0	1.0  .9 1.0 1.0	1.0 .2 .9 1.0 1.0	.9 .8 1.0 1.0	1.0 .1 .6 1.0 1.0	1.0 .3 1.0 1.0	1.0 3 1.0 1.0	.3 .2 1.0 1.0	·2 ·5 ·3 ·2	•••	13·5 2·0 14·4 13·7 13·3	82 12 87 83 81	2690 70 2870 <u>3690</u> 2590	79	1.13	Clear
Sum		1.7	8-7	<del> </del>	<del> </del>	<del> </del>	<del> </del>	15.2	<u>17·3</u>		<del>                                     </del>		<del></del>	<u> </u>			4.9				33440			
	•••	-06	-29	•43	•39	-50	•50	•51	<u>•58</u>	•49	-52	•57	•54	-50	•45	• 39	•16	•••	6.88		*Total	#Rate		Slov
Hour	3-4	4-5	5-6	6-7	7-8	8-9	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	Per cent	for Day	near Noon	Sec Z	Sky
	Day 1 2 3 3 4 5 6 7 8 9 10 11 22 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Sum Mean 504.	Dey hr 1	Dey hr hr hr hr hr hr hr hr hr hr hr hr hr	Dey hr hr	Name	Name	Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name	A. T.   3-4   4-5   5-6   6-7   7-8   8-9   9-10	Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   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Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name   Name	No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   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505. KEW OBSERVATORY:  $h_s$  (height of recorder above goung) = 13.3 metres

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Hour

L. A. T.

JULY, 1935

Sec Z

SOLAR RADIATION Received on surface perpendicular to solar beam

†Rate near Noon

*Total for Day

Total Per cent for of Day Possible

Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect			<b></b>			ļ								-			<del> </del>	<del> </del>				101 200	140011	<b></b>	
3	1	•••	•3	•1	•4	•1	•2	•7	•2	•1		•••	•2	•3	•••	• • • •	•••			2.6	16	260			
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## 10   Fig. 1   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig. 2   Fig.			1 1															1							
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30	28		•••	•••		•••	-1	•7	1.0	1.0	1.0	1.0	•5	•9	•2	•5	.9	•3		8.1	52	1200	•••	•••	•••
Boss     1-9   7-7   1-9   20-3   22-7   20-7   20-8   22-2   20-2   22-4   20-5   21-1   20-9   20-0   14-9   2-3     771-7     45060				1 1														1	1				1		
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Description   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Proper	Sum	•••	1.9	7.7	15•2	20•3	22.7	20•7	20-8	22.2	20-2	22-4	20•5	21-1	18•9	20-0	14-8	2.3		271-7		45060			
Day	Mean	•••	•06	•25	•49	•65	<u>•73</u>	•67	•67	•72	-65	•72	•66	•68	•61	-65	•48	•07	•••	8•76	54	1450			
3	506.	KEW	OBSER	VATOR	Y: h	n _s = 1	.3•3 m	etres															AUGU	ST, 193	<b>3</b> 5
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4	2		•••	•1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	•9	•7	•5	•••		12.2	80	2310	•••	•••	•••
6	- 1		•••	•••				1.0	•9	-8	•4	•••	•5	1.0	•3		.2	•••		5•5	36	<b>73</b> 0	• • • •	•••	•••
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19	17		•••	•••	-1	-4	•••	•••		-6	•6	•••		• 3	•2		•••	•••	]	2.2	15	370		•••	•••
21	19		•••	•••	•2	<b></b>		•1	•6	-9	•5	•5	•9	•8	1.0	•7		•••		6-2	43	1060	• • • •	••••	•••
23				1		1.0					1.0	1.0	1.0	1.0	•7	1.0	•2			12·1	85	2440			
25	23		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••		10	•••	•••	•••
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Sum 3-8 13-5 17-2 16-7 17-1 15-1 15-8 14-0 12-1 16-4 16-5 16-0 12-4 4-7 191-3 33000 Neam12 -44 -55 -54 -55 -49 -51 -45 -39 -53 -53 -52 -40 -15 6-17 43 1060 Non 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 for Day Non Received on surface perpendicular to solar beam.	1 1					ļ	l	ł		1	ł		•••	l									•••	1	•••
Mean ·12 ·44 ·55 ·54 ·55 ·49 ·51 ·45 ·39 ·53 ·52 ·40 ·15 6·17 43 1060 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 for Day Solar Radiation  Received on surface perpendicular to solar bean.	<b></b>				<del></del>	<del> </del>	<del> </del>	<del> </del>			<u> </u>					ļ		<u></u>			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 for Day  Solar Radiation Received on surface perpendicular to solar bean.			<del>                                     </del>	<del>                                     </del>	<del> </del>		<del> </del>	<del>                                     </del>	<del>                                     </del>			<del></del>		<del> </del>		<del> </del>		t							
Hour 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 for Day Noon   SOLAR RADIATION Received on surface perpendicular to solar been.		<u> </u>	<del>                                     </del>			===		"			<del></del>	35		- 03	- 52			<del>                                     </del>				*Total	†Rate		
SOLAR RADIATION Received on surface perpendicular to solar been.			1	1	l	1	1	1	i	ا ۔ ۔ ا	10.12	12 14				17 10	10 10	10_00	20 21			for Day			~~
* Gorczynski Pyrheliograph. † Angström Pyrheliometer.	1 1	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-19	19-10	10-17	11-10	10-19	-5-20	20-21						1
· · · · · · · · · · · · · · · · · · ·	1 1	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-19	19-19	16-17	17-18	10-19	25-20				Rece	ived on	surface	

507. KEW OBSERVATORY:  $h_S$  (height of recorder above ground) = 13.3 metres

SEPTEMBER, 1935

1	Hour	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	fotal for Day	Per cent of Possible			surface	
T	Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	*	joules/cm2			
-	1 2			•3	1.0	·1 ·2	-2	1.0	• 5	• 8	1::4	1.0	1.0	·4 ·8	•2	••5	•••			0·9 7·7	7 57	80 1030	•••		•••
ľ	3			•••	1.0	1.0	•5	•1	·6 ·4	•5 1•0	.6 1.0	·9 ·4	1.0	1.0	·8 •2	•••	•••			8-0 5-4	59 40	1460 1040	•••	•••	•••
	5			•••	•••	•••	•••	-8	•6	-9	-8	.9	•4	•1	•••	•••	•••			4-5	34	620	•••	•••	•••
	6 7			•••	·3	1.0	1.0	1.0	1.0	-9	·7 ·9	1.0	1.0	1.0	1.0	1.0	-1			10·8 9·3	<u>82</u> 70	1980 1760	•••	•••	
	8 9			•••			1.0	1.0	1.0	•9 •6		•8			1.0	•1	•••			10·1 0·7	77 5	1820 30		•••	•••
۱	10			•••	•5	•2		.2	1.0	•7	•8	•7	•9	•8	•9	•••	•••			6.7	52	770	***	•••	•••
	11 12 13				•••	•3	•7 •6 •9	1.0	1.0	1.0	•6 •5	·8 ·1 ·6	•6		1.0	•4				7·7 3·1	60 24 34	1260 490		•••	
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	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				hr -1	hr 1-0 -5 -2 -7 -7 -6 -3 -6 -3	hr 1-0 -6 -9 -81 1-0 -3 1-0 1-0 1-0 1-0	hr 1·0  ·6  ·3 1·0 1·0  1·0  1·0  1·0  1·0  1·0 	-8	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-2	-2 -1 -2 -2 -5 -9 -9 -4 1-0 -7	.619 .47 .8 .52 .9 1.0 .2 .1 .171	-61 -1 -4 -7 -3 -9 1-0 1-08 1-0 1-0 2	·4 ·2 ·7 ·9 ·8 ·5 ·3 ·3 ·4 ·2					6.6 1.57 3.4 2.0 1.3 6.3 1.4 0.1 7.3 9.0 8.7 1.4 9.8 8.1 2.3 7.9 8.6 7.6 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	57 13 15 30 18 11 56 13 1 66 82 80 17 1 1  46 36 77 22 76 2 84  76	1230 290 370 410 170 240 960 150 20 1510 1770 1920 360 10  700 790 770 250 1630 140 1670 10 1200	73 69 51	1.93  2.12	Clear
	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31				hr -1	hr 1-0 -5 -2 -7  -6 -3  -6  -3  -3	hr 1-0 -6 -9 -8 1-0 1-0 1-0 1-0	hr 1-08 .163 1-0 1-0 1-0 1-0 1-0 1-0	-857 1.0 1.0 1.0 1.0 1.0 1.01 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-2	-2 -1 -2 -2 -5 -9 -6 -9 -6 -9 -4 1-0 -7 -7	.619 .4 1.0 .7 .8 .52 .9 .10 .1 .0 .1 .0 .7	-61 -1 -4 -7 -39 1-0 1-0 1-0 1-09	·4 ·· ·2 ·7 ·9 ·8 ·5 ·· · · · · · · · · · · · · · · ·					6.6 1.57 3.4 2.0 1.3 6.3 1.4 7.3 9.0 8.7 1.4 9.8 7.9 8.6 7.6 0.1 0.1 0.2 8.7 0.2 8.6 7.6	57 13 15 30 18 11 56 13 1 66 82 80 17 1 1  46 36 77 22 76 2 84  76	1230 290 370 410 170 240 960 150 20 1510 1770 1920 360 10 700 790 770 250 1630 140 1670 10 1200 20 10 200	73	1-93  2-12 	Clear
	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				hr -1	hr 1-0 -5 -2 -7 -6 -3 -6 -1 -5-9	hr 1-0 -6 -9 -81 1-0 -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 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	hr 1·08 .163 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0	-8	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-2	-2 -1 -2 -2 -5 -9 -6 -9 -9 -4 1-0 -7	.619 .4 1.0 .7 .8 .52 .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 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	-61 -1 -4 -7 -3 -3 -9 1-0 1-08 1-0 1-0910 1-010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010	-4					6.6 1.57 3.44 2.0 1.3 6.3 1.4 0.1 7.3 9.0 8.7 1.8 0.1 2.3 7.9 0.2 8.1 2.3 7.9 0.1 2.3 7.6 6.3 7.6 0.1 2.3 7.9 0.1 2.3 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	57 13 15 30 18 11 56 13 1 66 62 80 17 1 1  46 36 77 22 76 2 84  76	1230 290 370 410 170 240 960 150 20 1510 1770 1920 360 10  700 790 770 250 1630 140 1670 10 1200 20  10 20	73 69	1.93  2.12 	Clear
	3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Sum				hr -1	hr 1-0 -5 -2 -7 -6 -3 -6 -1 -5-9	hr 1-0 -6 -9 -81 1-0 -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 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	hr 1·08 .163 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0 1·0	-8	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-2	-2 -1 -2 -2 -5 -9 -6 -9 -9 -4 1-0 -7	.619 .4 1.0 .7 .8 .52 .9 .10 .1 .0 .1 .0 .7	-61 -1 -4 -7 -39 1-0 1-0 1-0 1-09	·4 ·· ·2 ·7 ·9 ·8 ·5 ·· · · · · · · · · · · · · · · ·					6.6 1.57 3.4 2.0 1.3 6.3 1.4 0.1 7.3 9.0 8.7 1.4 9.0 1.2 3.1 9.0 1.2 1.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	57 13 15 30 18 11 56 13 1 66 82 80 17 1 1  46 36 77 22 76 2 84  76	1230 290 370 410 170 240 960 150 20 1510 1770 1920 360 10 700 790 770 250 1630 140 1670 10 1200 20 10 200 130 16930	73	1-93  2-12 	Clear
T.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31				hr -1	hr 1-0 -5 -2 -7 -6 -3 -6 -1 -5-9	hr 1-0 -6 -9 -81 1-0 -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 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	hr 1-0	-8	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-2	-2 -1 -2 -2 -5 -9 -6 -9 -6 -9 -4 1-0 -7 -7	.619 .4 1.0 .7 .8 .52 .9 1.0 .2 1.0 .1 1.01 1.01 1.01 1.01	-61 -1 -4 -7 -3 -9 1-0 1-08 1-0 1-09 10-0 -32	-42 -7 -9 -8 -53 -3 -425-0 -16					6.6 1.57 3.44 2.0 1.3 6.3 1.4 0.1 7.3 9.0 8.7 1.8 0.1 2.3 7.9 0.2 8.1 2.3 7.9 0.1 2.3 7.6 6.3 7.6 0.1 2.3 7.9 0.1 2.3 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	57 13 15 30 18 11 56 13 1 66 62 80 17 1 1  46 36 77 22 76 2 84  76	1230 290 370 410 170 240 960 150 20 1510 1770 1920 360 10 700 790 770 250 1630 1640 1670 10 200 10 200 130 16930 *Total for Day	73	1-93  2-12  2-22	Clear

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

509. KEW OBSERVATORY: h_s (height of recorder above ground) = 13.3 metres

NOVEMBER, 1935

509.	KEW	OBSER	VATOR	Y: h	s (h	eight	of r	ecord	er abo	ve gro	und)	= 13•	3 met	res			,	,			N	OVEMBE	gR, 193	55
Hour	3-4	4-5	5-6	6-7	7-8	8-9	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	Per cent			surface	beam -
L. A. T.																			Day	Possible	*Total for Day	†Rate near Noon	Sec Z	SIC)
Day 1	hr	hr	hr 	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr •2	hr	hr	hr	hr	hr 0•2	<b>%</b> 2	joules/cm²			
2 3	=				•••	• 8	• 2		1.0	1.0	1.0	1.0	•••						5.9	62	0 330	• • • • • • • • • • • • • • • • • • • •	•••	•••
5					•••	•••	•••	•••	•••		•6		•1	•••					2•3	24	1 <b>4</b> 0 10	•••	:::	•••
6 7						·1	1.0	1.0		•••	•••		•••						3.0	32	620	•••		
8 9					•••	***	•••	•••	•••	9	1.0		• 6	•••				 	3·4	 37	10 560	•••	•••	•••
10					•••	•••	•2	•4	1.0	1.0	1.0		·1	•••				 	1·3 4·2	14 46	50 610	•••	•••	•••
12	=-					•7	1.0	·3 ·1	• 6	•3	1.0	•4	•3	•••					4.0 2.5	44 28	610 470			
14 15					•••	•8	1.0	•••	•••	•••	•••	2	•8	•••		<del></del> -			2.8	32	50 <b>4</b> 0	•••		•••
16 17	 				•••	•••	•2	-6	.?	.1	•••		•••						1.6	18	<b>34</b> 0	•••		•••
18 19					•••	:::	•••		•3	·:i		•••	:::				==		0·1 0·4	1 5	10 80	•••	•••	•••
20 21					•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••						'''				•••
22 23	=				•••	•••	•:1		• 8	• 8	•6,	••7	•••	•••			=		3.0	35	310	•••		•••
24 25	=				•••	•		1.0	1.0	1.0	1.0	1.0	•••	•••			==		5•8 0•1	<u>69</u> 1	590 80	***	:::	•••
26 27						·1	1.0	.6 1.0	.2 1.0	•3	•••		•••	•••					2·2 3·2	26 39	180 180	•••		•••
28 29 30	 				•••	·i	•2		•6	•9	·3 1·0	·4 ·7	·i	•••					0•7 3•8	8 . 46	50 650 0	:::		•••
					•••		•••	•••	•••	•••	•••	•••	•••	•••						'''		•••	•••	•••
Sum						2.6	6-6	6-1	8-5	8-5	7-9	7-2	2.9	0-2			<u>                                     </u>		50.5		5990			
Mean					•••	•09	• 22	-20	-28	-28	-26	-24	•10	•01					1.68	19	200			
-	L													<u> </u>	<u> </u>	<u> </u>	<u> </u>		L	L	L	l	L	
510.	KEW	OBSE	RVATO	XY: h,	, = 13	3•3 me	tres															DECEM	BER, 1	935
Day	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	hr	þr	hr	hr	hr	hr	hr	% 17	joules/cm²	mw/cm²		
2 3			==		•••	•4	1.0	1.0	1.0	•4	.3	·1 ·6	•••	•••			=		1·4 <u>5·8</u>	71	270 970 10	•••	•••	•••
4 5	=	=			= 1	:::	•••	-6	1.0	1.0	·6 1·0	1.0 1.0	·i						1·9 4·6	24 57	260 380	26	3-60	Ha.zy
6 7						•••	•••	•••	•••	•••	•••		•••				-							•••
8 9						•••	-2	•7	•6	.2	.7	•3	•••				=		2·1 1·1	26 14	230 120		•••	•••
10	-					•••	•••	•••	•••	•••	•••	•••	•••						•••			•••	•••	•••
11 12 13						• • •	•••	•••	•••	•••	• • •		•••	 			=						•••	
14 15	=		=			•••	•••	•••	•••	• 2	1.0	•в					=	 	1.8	23	100		•••	•••
16 17	=					•••	-6	•6	•5	•9	.1		•••	 					2·7 0·2	35 3	270 80			
18 19			=			•••	•••	·1	•••	•••	•••		•••						0.1	1	60		•••	•••
20 21						•••	•••	•••	-2	-2	1.0	•4	•••			<del></del>			0·2 2·4	3 31	210 290	13	3-85	Fog
22 23	=	==					•••	•5	1.0	1.0	1.0	•6	•••	 	==	==	==	==	4.1	53	320		•••	
24 25	=					•••	•••	∵i		••3		•••	•••				= .		0.6	8	30		•••	•••
26 27				<u></u> .			•••	·::	•••	.2	•••	·1 ·6							0•3 0•9	4 12	10 50		•••	•••
28 29		==	== .			•••	• • • • • • • • • • • • • • • • • • • •	•8	•1	•4	•••	••6	•••				=		2.3	30	210		•••	•••
30								•4	•3	•2		•••	•••						1.3	17	50	•••	•••	•••
Sum	-					0-4	2.3	5•4	5•3	7.1	7:1	5.9	0.3						33-8		3920			
Mean						-01	-07	•17	•17	<u>·23</u>	<u>-23</u>	.19	•01	•••					1.09	14	130			
Annual Total	Ī	3.8	25-9	65•5	95•6	119-5	133-2	139 - 9	149.7	144-8	146-1	143-5	127 • 2	96•8	69-3	42.5	7.7		1511•0		236650			
	1	+													. 7				-					
Annual Mean		•01	•07	-18	•26	•33	•36	•38	<u>•41</u>	•40	•40	•39	•35	•27	•19	•12	•02	•••	4.14	34	650			
Annual Mean Hour	+	·01	•07 5-6	-18 6-7	•26 7-8														Total	Per cent	#Total for Day	†Hate near Noon	Sec Z	
Mean						•33 8-9		•38 10-11		·40 12-13											*Total for Day	†Rate near Noon	Sec Z	<b>8</b> c7

WIND: DIRECTION AND SPEED

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

511. KEW OBSERVATORY:

Dines Pressure Tube Anemometer from Jan., 1926

Ha (height of vane of anemometer angular in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in the second in

Hour G. M. T.	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 1 2 3 4 5	240 315 320 265 325	m/s 3·0 1·8 1·9 3·7 4·5	220 20 320 275 325	m/s 3·0 2·2 1·5 4·0 4·3	235 10 310 275 290	2.9 1.7 2.0 2.6 3.0	255 355 320 275 300	m/s 3.0 1.9 2.5 2.0 4.0	260 330 320 270 315	m/s 3·0 1·3 2·3 2·0 4·5	255 280 310 315 300	m/s 3·6 0·4 2·5 3·6 3·9	255 230 300 305 300	m/s 3·1 1·0 2·0 4·5 4·4	245 250 300 290 300	m/s 2.5 1.6 2.0 3.5 3.3	245 310 280 300 290	m/s 2.0 2.7 1.5 4.2 3.2	225 295 265 310 300	m/s 2.6 2.2 2.5 5.7 3.5	220 305 265 320 310	m/s 4·0 2·7 2·5 6·1 4·3	235 305 (275) 320 320	m/s 3·7 3·0 (2·8) 6·5 4·5
6 7 8 9 10	315 10 360 55 215	2.7 4.0 1.9 0.3 0.8	330 10 25 340 195	2·4 4·9 3·2 1·6 0·8	315 10 25 345 230	2.5 3.5 3.8 0.2 0.1	320 360 40 220 220	2.5 3.0 4.4 0.8 0.4	340 350 40 130 215	3.5 2.4 3.7 1.0 1.0	345 360 50 190 205	3.6 4.4 4.0 1.4 0.7	345 355 50 130 200	3.5 3.6 2.9 1.5 0.7	345 340 45 130 195	2.7 3.2 3.0 1.5 1.9	345 350 35 140 195	2.9 3.2 2.9 0.5 1.9	355 345 40 75 190	4.0 2.5 2.4 1.1 2.7	10 350 90 140 200	3·9 5·0 2·2 0·2 3·3	5 360 120 200 195	5.0 5.2 2.4 0.3 4.3
11 12 13 14 15	215 250 215 280 340	1.5 5.7 2.5 3.4 2.2	230 250 220 300 345	0.8 5.8 1.9 4.4 2.5	200 255 220 300 305	1.5 5.6 2.0 4.5 2.0	200 250 215 310 280	2.5 4.3 2.1 4.8 1.6	200 250 225 310 265	3.5 5.0 2.1 5.6 1.8	210 250 230 310 265	4.5 5.8 1.6 6.1 1.5	215 270 215 310 265	4.9 5.6 1.9 5.9 1.7	210 275 215 315 310	5.0 6.9 1.9 4.9 1.9	210 270 210 310 325	5.6 3.9 2.0 5.6 3.0	205 280 255 315 315	6•3 4•0 1•0 5•4 2•4	215 300 250 320 330	7.0 7.4 1.5 5.5 0.6	220 305 250 320 215	9.5 7.9 1.9 5.6 1.5
16 17 18 19 20	250 335 30 40 25	1.0 2.0 5.0 4.9 2.7	255 330 30 35 15	1.5 1.6 5.5 5.0 2.1	250 340 30 40 20	1.2 1.0 5.6 4.2 2.7	245 330 40 50 15	1.0 1.9 6.5 4.5 3.1	250 360 40 45 15	1.5 1.2 6.5 4.0 3.5	255 10 40 50 35	1.0 3.5 5.5 3.2 3.5	250 15 45 50 10	1.0 3.6 5.6 3.8 2.5	25 50 50 15	0.0 3.6 5.6 4.1 2.1	290 25 55 45 5	0.2 4.7 6.6 3.5 2.5	280 20 55 40 20	0.6 4.0 7.9 5.0 2.8	270 20 55 45 10	0.7 5.6 7.0 4.6 3.5	265 10 50 50 20	1.5 4.4 7.5 5.4 4.0
21 22 23 24 25	350 305 260 245 230	2.5 1.5 0.7 2.0 6.4	350 315 230 245 240	2.6 3.0 1.0 2.3 7.9	350 325 230 255 250	2.7 2.7 0.7 2.3 7.5	345 325 225 215 230	3·1 2·7 0·9 2·0 9·0	335 335 215 200 240	2.5 2.8 1.3 1.8 9.5	345 340 220 210 240	3.0 3.0 1.4 2.3 9.9	350 345 235 230 240	3.5 2.8 1.0 2.1 9.8	350 350 260 225 230	3.5 2.9 1.3 1.7 8.5	345 5 275 215 250	3.6 3.4 2.4 2.2 9.8	350 360 275 225 255 330	3.9 4.3 2.3 2.0 9.7	355 5 250 230 260	4.5 2.0 2.5 8.4	355 10 265 250 260 340	4.6 3.2 3.5 7.5
26 27 28 29 30	345 360 305 350 265	5.0 6.4 3.5 0.2 0.2	275 340 360 320 190	8.0 4.0 0.4 0.5	275 345 350 310 215	7·4 4·5 0·6 1·3	290 345 360 325 225	8·1 4·9 0·4 1·0	330 340 360 300 220	6.5 5.2 0.2 1.0	340 355 295 190	7.0 5.3 0.6 1.4	340 360 335 220	7·3 4·0 0·7 1·6	340 350 335 220	7·3 5·0 0·5 1·6	345 355 330 220	7.8 4.4 0.4 1.9	345 360 310 230	8·4 3·7 0·7 1·9	350 360 195 225	7.0 4.5 0.8 2.8	350 355 220 225 320	6-9 4-5 0-2 2-8 6-4
Mean		2-8		3.1		2.9		3•1		3•3		3•7		3•6		3•4		3•6		3•9		4-2		4•6

512. KEW OBSERV	ATORY: H.	= 5	metres	+ 23	metres
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Day 1	o 260	<b>m/</b> s 3∙8	o 260	m/s 4·3	o 250	m/s 3•7	o 255	m/s 4•4	e 260	m/s 3-9	o 260	<b>11√s</b> 3•5	o 255	m/s 3•4	o 245	m/s 3•3	o 235	m/s 4•6	o 245	m/s 4-8	o 260	m/s 5•5	o 255	m/s 5•8
2	270 255	7•9 3•5	260 270	8•6 3•4	265 270	7•1 3•5	265 270	7•2 2•5	260 265	6•0 3•0	260 260	2.9	240	8·1 2·5	255 230	8•7 3•2	255 235	8•9 3•2	255 235	7·5 4·0	255 235	6•4 6•4	260 245	6•0 6•0
5	250 305	5•0 2•0	<b>2</b> 55 320	5•0 2•5	260 320	.2•0	260 320	2-9	260 325	5•8 3•9	260 310	2.9	270 290	5•9 3•1	270 280	5•0 2•7	270	3•4 2•0	310 280	2•0 3•6	300 290	2•9 4•1	305 305	2•9 6•2
6 7	195 55	5•8 9•0	200 65	4·0 7·9	215 45	2•7 5•7	250 30	1.5	5 30	7•0 4•8	15 25	7•3 4•5	25 30	9•5 3•9	45 40	11-6 3-5	40 30	11.9 3.8	45 20	12-0	45 25	11•7 4•1	40 40	10•5 5•5
8 9 10	15 40 335	3·3 5·3 1·2	15 40 335	4.6 0.9	20 30 320	3•8 3•5 0•1	30 30 320	4.0 4.4 0.2	50 40 220	5•0 5•0 0•5	50 40 255	4·1 4·2 1·1	45 40 235	4.3 4.5 1.3	35 45 220	4·1 4·9 2·1	45 45 250	4.9 5.0 1.5	50 50 235	5.8 4.9 2.5	55 50 220	6-9 4-8 2-9	65 55 225	7•1 6•5 3•0
11	260 225	3•5	265	3•7	260	2•2 7•5	260	2.5	255	1.7	255	2.2	255	2-0	250	1.7	225	1.8	<b>24</b> 5	2.0	255	2-6	265 230	3·1 7·3
12 13 14	220 255	5.5 4.2 6.0	220 220 250	6•4 3•4 5•6	230 225 245	4.9 4.5	225 220 250	6.9 5.2 3.9	220 215 250	6•8 4•6 4•8	220 215 245	6•7 4•8 4•9	225 215 255	6•5 5•7 5•5	230 210 260	7•1 6•7 5•7	225 210 255	8•4 6•8 5•3	230 210 270	8.0 6.6 5.7	240 225 265	7•2 5•2 6•3	220 285	5·1 8·0
15	265	3•5	255	3.4	235	3•4	240	3.4	210	3.2	220	2•3	220	2.6	220	3•4	215	4.2	210	5-0	200	5•4	210	7-2
16 17	255 300	9•4 8•9	260 290	8•7 6•1	255 270	8•8 4•6	255 270	8•8 4•9	250 270	9•4 4•8	260 265	10·3 4·3	255 265	11·0 5·2	250 265	11·1 4·8	255 270	10·2 4·9	245 275	10·0 4·8	245 270	11•0 5•0	245 265	10•2 6•3
18 19 · 20	220 220 210	8.2	225 225 210	3•7 7•5	225 225	4.6 7.0	220	4.5 7.9	210 215	5·0 7·9	220 215	5•7 7•7	225 220	4·5 8·3	225 220	4·6 8·1	230 220	7.7	225 220	5•4 8•4	230 210	8.3	225	5•8 8•1
20 21	205	6•9 7•0	205	7•4 6•7	210	7•5 7•5	205	7•3 11•2	205	9•0	205 225	8•7 10•8	205	8.9	205 240	7-8	205 235	8.1	205	8-8	210 245	9-9	205	12•6 10•0
22 23	205 340	8•7	195	8•3 0•6	190	8•2 1•1	185 250	9.0	185 230	9.0	185 230	8.8	200 235	9•3	205 245	5•9 5•2	220 250	5.1	220 255	5•2 6•5	225 260	5•5 6•4	240 280	4.8
24 25	140 220	0·7 6·5	320 215	0•8 7•0	110	0•5 8•5	165 210	1.4	200 210	1.1	195 195	2•0 5•6	215 205	2.0	210 235	1.0	185 220	1.8	200 185	3·7 4·3	205 210	5•5 9•0	190 250	5•5 8•1
26	15	6•0	15	5•9	10	6•7	10	6•5	5	6•7	10	6•8	5	5•0	355	5•0	350	4-8	350	5•2	350	4.5	5	4-3
27 28	160 195	4•3 3•3	165 190	5•2 2•9	165 195	6•8 3•2	155 200	8•2 3•3	160 195	8•8 3•9	155 190	10•0 3•4	160 190	10·8 3·1	165 190	11·9 2·5	145 200	8•7 3•2	150 200	8•1 3•4	155 210	7•0 4•6	155 215	6•4 5•1
																i I								
. /										,														
Mean		5•1		4-9		4•8	-	5•0		5•3		5•4		5•6	`	5•5		5•5		5•8		6•3		6•5
Hour G. M. T.	0 -	. 1	1.	2	2 -	. 3	3 -	4	4 -	5	5 -	- 6	6 -	- 7	7 -	8	8 -	. 9	9 -	10	10 -	n	11 -	. 12

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time

M. S. L. +  $h_a$  (height of anemometer above ground) = 5 metres + 23 metres

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12	- 13	13 .	- 14	14 .	- 15	15 .	- 16	16	- 17	17 .	- 18	18 .	- 19	19 -	- 20	20 -	- 21	21	- 22	22 -	. 23	23 -	24	Mean	Day
255 320 (280) 320 320	m/s 3·1 2·8 (3·0) 7·1 5·2	255 340 290 330 320	m/s 3·4 3·6 3·2 8·6 5·7	260 340 290 320 335	m/s 3.5 3.5 3.1 7.1 4.9	0 265 340 270 ° 315 320	m/s 4·3 3·7 2·4 6·6 3·5	280 345 275 320 320	3.5 3.8 2.2 5.8 2.9	285 335 275 315 305	3.9 2.8 3.0 5.0 3.9	90 315 280 320 290	m/s 3•7 2•1 4•0 5•0 2•8	9 305 335 275 310 300	m/s 3·8 2·5 2·1 4·6 3·0	310 335 285 310 280	m/s 4·1 2·5 2·0 4·2 2·0	0 310 320 250 320 285	m/s 3·2 2·4 1·9 5·0 1·9	9 315 330 265 325 305	m/s 2·3 2·1 2·9 4·4 2·0	6 315 320 265 340 300	m/s 2·3 2·4 3·1 5·1 3·0	3.2 2.4 2.5 4.9 3.7	1 2 3 4 5
5	4.9	5	4.5	360	3.4	350	3.8	355	3•5	355	3·1	340	2.5	340	3·1	345	3.6	350	4.5	360	2.8	10	3.6	3•4	6
360	4.9	360	4.5	10	3.6	15	2.9	5	3•2	350	2·5	340	1.8	345	2·0	360	3.6	10	2.8	30	3.1	20	2.1	3•4	7
75	2.2	35	2.0	30	2.2	25	2.3	25	2•5	25	3·2	20	2.3	25	2·3	15	2.5	15	1.5	30	0.5	90	0.2	2•5	8
270	0.1	200	0.1	205	0.1	110	0.4	150	0•3	160	0·3	180	0.6	190	0·5	175	1.5	205	0.5	220	0.6	190	0.7	<u>0•7</u>	9
215	5.0	205	4.9	200	4.4	195	3.6	215	2•5	215	1·6	205	2.4	185	3·5	190	3.4	205	3.0	200	2.4	215	2.0	2•4	10
220	8.5	215	10•0	215	10.0	205	10•4	210	11·1	210	10.5	245	6.2	220	5.0	230	5-6	240	5•1	250	4.4	255	5•6	6.0	11
310	8.3	305	8•8	305	7.7	300	6•6	295	3·8	290	4.1	290	3.5	300	3.0	290	3-7	280	2•0	270	2.1	270	2•6	5.2	12
265	1.1	300	1•6	275	1.5	260	0•2	245	1·0	220	1.5	205	1.5	185	1.5	195	1-6	210	1•8	235	2.3	260	2•2	1.7	13
320	5.9	320	6•5	325	5.2	325	5•2	320	4·4	320	4.0	320	3.4	320	3.2	325	2-5	330	3•1	325	2.9	340	2•4	4.6	14
240	1.6	235	1•5	320	1.5	325	2•0	315	2·1	275	1.5	255	1.0	255	0.9	260	0-9	240	1•1	235	1.5	230	0•9	1.6	15
320	1-8	320	1•8	320	2•4	300	1•3	285	0.6	295	0.5	255	0-6	260	1-0	280	0•7	280	1.0	295	0-7	315	1.0	1.0	16
15	5-0	15	5•0	15	5•7	20	5•6	10	5.0	10	4.9	10	5-7	20	6-8	25	6•3	20	5.4	20	5-1	25	5.4	4.3	17
55	7-5	50	5•6	50	7•1	50	6•5	55	7.0	50	5.0	55	5-0	40	4-9	40	5•0	40	5.5	40	4-9	45	4.9	6.0	18
50	5-2	50	4•9	55	4•9	65	4•4	55	3.3	55	3.6	55	3-9	60	3-8	60	3•0	65	2.9	35	2-6	35	2.8	4.1	19
30	3-2	40	3•0	15	2•0	15	3•0	15	3.2	15	3.0	360	3-5	10	3-0	15	3•4	10	2.5	5	3-1	355	3.0	2.9	20
355	4•3	360	5•3	360	5·1	360	5.2	355	5.0	350	4.9	350	4.5	5	4.5	350	2.0	315	2•2	305	1.9	295	1.4	3.6	21
15	4•2	360	3•8	335	2·5	320	2.6	325	2.0	320	1.5	300	1.4	300	1.5	265	1.0	260	0•7	270	1.0	290	0.6	2.5	22
265	2•9	260	4•0	270	3·6	265	2.8	265	2.5	250	2.8	255	2.0	240	1.7	215	1.7	225	2•0	220	2.0	240	2.4	2.0	23
255	3•5	250	3•3	245	4·0	250	4.1	235	3.9	225	4.1	230	4.5	235	4.8	225	4.6	245	5•8	240	6.2	230	6.5	3.4	24
275	8•6	280	6•9	275	8·6	265	7.4	265	7.5	250	5.9	255	6.1	255	6.4	255	7.0	250	6•5	275	5.0	285	5.5	7.7	25
340 350 10 50 225	10.5 8.0 4.0 1.1 2.6	350 20 25 215	10•3 8•3 4•5 2•9 2•8	345 350 15 25 225	12-1 9-4 4-4 3-0 3-5	350 10 15 230	11.7 7.2 3.4 2.8 3.3	350 350 5 20 235	10.5 7.4 1.6 2.0 3.2	355 350 360 10 230	7.8 7.1 1.5 1.6 3.7	350 345 350 350 230	8.5 7.4 0.8 1.0 3.1	340 350 340 330 240	8.5 7.6 0.3 0.5 2.8	340 10 330 300 250	7.5 6.9 0.4 0.3 2.2	345 10 295 260 250	7-9 6-0 0-7 0-5 2-5	340 360 300 285 260	6.9 5.0 0.9 1.6 2.1	340 5 290 300 260	6.5 5.0 0.2 1.5 1.8	8·8 7·2 3·2 1·0 2·1	26 27 28 29 30
325	4-6	320	5·1 4·7	300	4.7	300	4.3	280	3•8	260	3-6	275	3•3	290	3•3	265	3•7	265	3•7	270	2-9	265	2-9	3•7 3•6	31 Mean

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•	m/s	٥	nn√s	۰	m/s	0.	nn/s	٥	·m/s	٥	m/s	٥	m/s	٥	m/s	٠	m/s	٥	m/s	0	m/s	0	n/s	m/s	Day
260	6.2	260	5.0	260	4.5	270	5.6	275	5•3	275	5•6	275	5-9	270	5•0	260	4.5	260	5.1	260	4.9	270	6.8	4.8	ĺ
270 250	5•8 7•2	300 255	9•5 8•0	310 255	6·1 9·2	305 260	5•2 7•9	295 265	5·9 7·1	300 265	5•5 6•5	280	4.0 6.5	270 265	4.2	285	3.1	280	3.9	260	3.4	275	4.1	6.2	2
320	2.8	330	3.9	5	3.5	360	1.9	335	0.7	230	0.9	265 210	1.0	205	6.5 1.4	260 225	5•9 0•8	255 235	5•7 1•1	255 230	6•0 1•1	250 265	5•5 1•0	5•3 3•1	3 4
295	5.1	285	5•2	295	6.0	290	6•0	260	5•5	250	4.5	235	4-2	240	5-0	240	5•0	230	6.0	215	5.6	200	5.0	4-2	5
45	11-7	45	10•6	45	11-5	40	10-8	45	11-6	50	11.5	45	9•9	55	10-0	50	10.0	55	9-9	45	8•8	45	8-9	9-2	6
35	5•7	40	5•5	50	5•6	80	2•4	50	4.5	110	2.5	115	0.5	15	1.5	20	1.5	20	1.2	5	1.0	345	1.8	3-9	7
70 50	7•0 5•4	80 35	6•6 5•3	60 30	7•2 4•9	75 30	6•6 4•9	55 25	6•7 5•C	50	6•2 3•7	45 25	5•0 3•0	45 20	5.0	45	5•8	45	5-9	40	5.1	40	5.1	5•4	8 9
230	3.5	235	2-5	245	2.0	275	2.1	270	1.6	35 235	1.0	225	2.2	240	2.5 1.6	35 245	2•5 1•9	30 260	2•0 2•0	70 240	1.2	15 250	0•5 2•5	4.1 1.8	10
270	2.8	280	3-1	270	2-6	275	3•4	260	2•5	245	2•6	230	3-1	230	2-4	225	3•4	225	4.2	225	4.3	230	4-5	2•8	111
230	7-6	235	7-8	235	6•5	235	6.1	230	5•6	230	4.5	230	4.3	235	3-5	230	4.0	230	3•1	230	3•5	. 230	3•1	6-0	12
225	4.8	225	2.0	260	0.4	240	1.0	240	2.8	230	2-9	235	4.9	230	4-2	235	4.6	225	4•4	245	5.0	245	5-2	4.4	13
280 210	7•6 8•1	295 215	9•1 8•0	290 230	7•8 6•4	295 235	6•9 6•0	295 250	5•2 7•3	285 245	3•9 7•5	270 250	3•0 8•5	260 255	3·1 8·7	250 260	3•3 9•7	245 255	4•9 8•1	240 255	3•6 7•8	250 255	3•3 7•8	5•3 5•9	14 15
240	10•4	240	9•0	225	11.8	230																			
270	6.3	255	5.6	265	6.1	260	12·2 5·8	230 265	12•4 5•0	230 250	11.8	225 250	12·5 3·6	260 260	12·0 3·9	260 245	12·3 3·7	260 220	11•3 3•7	275 225	10·4 3·7	295 225	2.6	10-6 5-0	16 17
225	8.5	225	7-9	230	7.6	230	7-9	225	7-8	220	8-6	220	8-5	220	8•5	220	9•0	215	7.7	220	9-1	220	8.7	6.6	18
215	8•5	220	7•9	220	7•5	210	7-8	205	8-0	200	5•5	205	6•3	- 210	6-2	205	6-0	205	6-5	210	7-1	205	7-7	7•5	19
205	12.5	205	12-2	210	12.8	205	11.5	210	10-1	205	8-6	205	9•3	205	8•5	210	8•0	220	6-8	215	7•4	210	6-8	9•4	20
245	9•7	245	9-4	245	8.5	235 280	9•8	230	8-1	235	6-8	230	7.5	220	6.1	215	.6•4	210	5•1	210	7•3	205	7-5	8•2	21
325 310	8·2 4·4	320 310	8•6 3•8	305 355	5•7 3•5	10	5•3 2•6	275 20	5•9 3•1	270 55	5•2 2•7	240 50	3•5 3•0	235 65	3.6 2.1	240 80	2•9 1•8	220 115	1.5 2.0	195 115	1·4 2·0	200 110	0.5 1.5	5•8 3•2	22 23
165	3.8	180	5.7	180	6.0	165	6.3	160	7.1	155	7-1	160	7•3	175.	7-5	180	5.9	210	8.8	210	7.8	220	6.7	4.4	24
260	5•5	<b>26</b> 5	4-9	250	4.0	245	3.1	15	3•3	10	2•8	50	5•2	40	6•5	40	6•7	40	6•5	30	6•5	20	5•9	5-6	25
360	4.3	335	3-5	325	2.2	295	1.5	260	2.4	235	1•5	225	2.0	210	1.9	165	2•5	190	2•3	190	2.4	14C	3-1	4-0	26
175	6.1	215	4.7	195	3.6	205	6.2	205	5•5	200	5•C	195	4.1	200	3•0	195	4.5	195	5•0	200	4.0	205	4.0	6•3	27
205	4.7	205	4.7	210	4.2	195	4.2	195	3•6	185	3.1	185	2.0	190	2•3	235	1-3	280	0.8	245	0•4	240	0.7	3-1	28
			,					- 1																	
		ļ				]		·													• 5				
	6-6		6•4		6•0		5•7	+	5•7		5•1		5•0		4•9		4•\$		4•8		4.7		4-7	5•4	
<u> </u>	10					<del> </del>	<u> </u>		L		۲				L						L				
12 -	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17 .	- 18	18	- 19	19	- 20	20	- 21	21 .	- 22	22 .	- 23	23 .	- 24	Mean	Day
						<u> </u>						——		L											L

WIND: DIRECTION AND SPEED

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

513. KEW OBSERVATORY:

Dines Pressure Tube Anemometer from Jan., 1926

Ha (height of vane of anemometer shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second shows the second s

Hour	0 -	1	1.	. 2	2 .	. 3	3 .	. 4	A	- 5	5.	R	6 -	. 7	7.	_ A		. 9	9 -	. 10	10 .	. 11	,,	- 12
G. M. T.	<u> </u>	•		٠ .	~ .		,						-		<u> </u>							T		
Day	۰	ma∕s	۰	m/s	۰	m/s	٥	m/s	0	mn/s	۰	m/s	۰	10/8	۰	<b>14</b> /8	۰	12/s	۰	<b>≡/</b> 8	0	<b>14</b> ∕8	٥	<b>≡/</b> 8
1	265	1.4	285	1.5	290	1.2	270	1.3	270	1.2	255	2.0	265	1.8	265	1-9	260	1.5	260	1.7	230	1.1	225	2.1
2	25	2.6	15	2.8	340	2.3	345	3.3	285	0.6	285	1.6	275	0.7	260	0-7	345	2.1	315	3-0	355	3.0	330	2.5
3	95	1.1	95	1.8	90	2.0	90	2.8	90	1.8	80	1.0	90	1.3	100	1.5	100	2.1	105	2.5	160	2.4	130	1.5
4	300	4.3	310	4.1	300	3•4	290	1.5	290	2.5	295	2-8	275	3.5	255	1.8	250	1.1	285 245	1.6 2.8	320 270	4.0	320 270	3.7
5	220	0.9	205	1.0	215	1.4	215	1.5	235	1.5	230	1.8	220	1.4	215	1.9	230	1.5	243	2-0	210	4-2	210	3-0
6	280	2.8	280	2•5	285	2.0	270	2.0	270	1.8	270	1.7	245	0-6	<b>25</b> 5	1.0	240	0-9	260	0-1	310	0-8	345	2-3
7	10	0.2	350	0.5	15	1.3	35	1.5	60	1.5	45	1.3	95	1.2	110	1.3	110	1.7	100	1.8	75	3-4	60	4-0
8	35	1.2	20	1.0	360	1.4	25	1.3	40	2-8	40	3•3	40	3.5	50	3.5	50	3-9	70	5•7	75	6.0	85	6.2
9	70	10-8	65	8-5	50	7-3	50	7-0	50	7-2	40	7-6	40	8-1	40	8-5	50	9-2	50	9-9	50	12-3	60	13-6
10	80	7•6	90	7-7	90	5•6	-65	6•5	60	7•5	60	7•5	55	7•3	50	8-0	<b>5</b> 5	7-6	60	9-2	70	9-8	65	10-1
11	0.5	0.7		10•2	60	9-6	60	9-9	55	9-8	55	9-0	60	9-8	60	10-0	60	10-1	65	9-7	65	10-5	70	10-0
11 12	65 25	8•7 4•0	65 20	4.5	25	4.6	20	5-1	15	4.6	15	4-9	30	5.0	35	5.2	40	5.7	50	6-5	55	7-3	55	8-6
13	40	3.4	40	3-8	35	3.1	40	4.3	35	4.1	35	4.3	45	3-5	35	4.1	50	4-6	45	5•1	50	5-0	45	5-2
14	15	3-5	20	3-2	20	3.5	20	4.2	30	4-2	25	4.5	30	2.4	45	4.0	15	3-2	30	3-9	30	2-5	35	1.1
15	190	1.3	175	1.5	185	1.7	200	0-3	205	1.3	220	2-7	265	0.9	130	1.3	110	0-6	105	2•2	135	2.0	175	1.2
											1						l					١		
16	75	4.4	70	2-8	60	1.8	75	4-1	65	2-9	70	1.5	75	2.2	80	2.5	70	2-2	85	1.6	135	1.3	145	3.3
17	90	0-4	85	0-6	95	1.5	85	1.0	70	0-8	85	0.4	360	0.5	105	0.1		0-0	220	1.0	.330 21.5	1.1	330 230	2.2
18	225	1.6	230	1-4	235	1.3	235	0-8	235 100	1.5	230	1.3	220	1.4	250 100	1.3	240 180	2.5	195	3-2	195	4.2	185	4.4
19	205	2.1	175 115	0-8	100	1.0	125 45	1.1	140	2.0	100 210	0.3	285	0.5	270	1.0	265	1.3	245	1.7	220	2.3	270	2.2
20	125	1•3	112	0.3	85	0-6	45	0-7	140	1-1	210	0-3	200	0-3	~ / 0	1-0	~~	1 3	~=0	- '			1	
21	220	1-4	210	1-2	225	0-9	230	0.7	220	0-4	240	0-7	250	0.5	220	0-1	200	0.5	195	1.1	220	2.4	220	4-8
22	215	1.5	200	2.9	195	2.5	195	1.7	205	2.0	205	1.4	215	1.7	215	2-0	200	4-0	220	5-4	21.5	7-6	220	6-4
23	235	5-6	235	5-4	240	5-2	235	5•3	230	5-0	230	5-0	230	5•0	235	5-0	235	6-4	240	6.9	245	7-8	245	7-3
24	255	5•6	250	4.1	<b>25</b> 5.	4.2	255	3.6	255	3•5	245	3•0	235	2-4	270	3•9	310	5.6	300	6.1-	290	5•5	305	6.0
25	225	3•2	235	3-4	240	3•5	250	3•9	245	3.0	250	3-9	260	3•3	240	4.9	245	4.5	255	5•2	265	5-0	260	5-8
ne .	220	9.5	215	1.0	210	2.3	220	3•0	250	2-2	255	2.4	265	3.0	270	3•3	250	3-0	245	3.0	245	3-4	245	3-2
26 27	210 260	2.5 1.5	250	1.8	220	1.9	240	0.7	260	2.7	265	2.5	245	2.4	285	1.5	275	2.8	320	4.5	335	4.8	325	4.7
28	240	1.1	275	1.0	245	1.5	245	1.8	250	1.5	240	1.7	250	1.5	240	1.6	265	1.5	245	1.5	240	1-8	245	2-9
29	285	1.0	260	0.6	270	1.6	280	2.0	280	2-7	280	2-2	285	2.4	335	2.5	350	4.2	20	5-1	25	6-3	20	5-8
30	135	1.8	180	1.6	220	1.6	205	2-2	215	1.8	200	1-5	190	2.4	190	2-4	195	2.9	200	3-8	215	6-5	220	7-0
			l					١										2.5	275	3•5	270	3-9	270	4-6
31	250	3•5	260	3•9	260	3-0	275	2.9	280	2•2	285	2-6	285	3.1	280	3.3	280	3•5	275	3-3	270	3-8		1
Mean		3•0		2-9		2.8		2-8		2•8		2-9		2.7		2-9		3•3		3-8		4.5		4-8

514. KEW OBSERVATORY: Ha = 5 metres + 23 metres

Day	•	<b>B/</b> 8	•	na/s	۰	na/s	٥	ma/s	. •	28/8	•	12/8	۰	124/8	0	12/8	•	1/8	•	2/8	•	1/s	•	1
1	255	3-5	255	2.8	255	2.4	275	3•0	275	2.5	31.5	2-8	305	3•3	315	3-8	310	4.0	300	5-0	295	5-1	295	6
2	31.5	4-0	310	3-9	320	5.1	330	5•9	330	6-6	340	6 • 4	335	6.6	335	7-4	335	7-4	345	8-5	350	8-0	345	9
3	310	3-3	31.5	3-8	320	4.0	325	4.0	330	4-0	330	4-1	335	4.5	. 340	7-0	350	8-5	350	7-7	350	7-9	340	7
4	280	2-6	270	2-9	250	3-4	240	3.1	245	4.0	240	4.1	245	4.0	245	5-0	250	5•5	250	5-3	280	6-4	320	4
5	270	4.1	270	3-6	265	3•4	255	3•6	260	3•5	250	3-2	255	3•7	265	4-4	265	4-7	285	7-0	260	7-4	290	1
6	260	4.0	260	4.5	260	4.8	260	4.3	240	3•5	235	3-9	250	4-8	260	4-9	<b>26</b> 5	5-9	270	6-0	285	7-8	270	
7	165	3-9	145	4-4	125	5•0	135	5-2	220	6-5	240	7-1	255	8.7	270	9-4	280	8.4	285	7-6	.285	8-4	285	- 1
8	180	4.0	230	5-0	305	5.8	285	5.7	280	5•0	265	4.3	260	4.1	265	5.1	265	5-4	255	5-5	245	4-6	245	
9	130	3-2	160	3.4	195	4.3	225	5•7	235	6 • 2	230	6-4	230	6.5	220	8-2	220	7.5	220	8-6	225	9-3	230	
10	210	10.0	220	10-0	215	11.0	215	11-0	210	11.1	210	11-4	215	10-4	210	9-1	220	9•7	225	10-9	230	10-3	225	1
11	225	10-0	230	9-6	225	9-2	230	10-1	230	9•5	220	12-0	225	10-9	230	10-0	240	10-3	250	7-2	240	6-6	245	1
12	345	0.1	85	0.1	340	0.3	25	1.0	35	2-0	25	2-5	45	4.3	55	4-5	45	6-5	50	6.5	60	6-1	50	
13	320	1.4	.290	1.5	280	1.4	310	0-9	200	0-6	220	1.4	210	0-8		0-0	105	1.6	125	2-6	180	3-2	165	
14	190	1.6	200	1.2	250	0-6	270	0.8	280	1.4	265	1.8	240	1.5	240	1.5	220	2.0	245	2.0	245	1.7	230	
15	340	0.2	330	0-2	225	0•5	220	1•5	230	1.2	220	1.6	215	0-8	220	0-2	230	0-8	225	1.6	230	2-6	230	
16	140	6-2	130	5•8	145	7-8	160	7-4	170	4-9	200	7-0	220	7•8	240	8•5	245	9-3	255	8-5	250	9-4	245	1
17	190	6-0	200	5-9	190	3-6	190	3-9	180	3•3	175	3•5	185	3•5	210	3-9	235	4.8	295	3-9	290	4-5	275	1
18	240	5•3	240	5-6	245	5-2	245	6.0	260	7•3	250	5•5	245	5-9	250	7•0	270	8-0	260	6.9	255	6-9	270	
19	195	5.1	200	6-3	215	7-6	215	6•8	215	7.4	220	6-9	225	6-0	230	7-0	230	6.5	235	6.4	235	5-4	230	
20	145	1.3	75	1.3	115	2•7	100	4•0	95	5-0	90	4.0	90	4•3	95	3•9	110	5-0	115	.5•3	165	4-8	190	
21	155	3•4	160	3•5	165	3•8	130	2•3	135	3•5	150	3•5	145	3-8	180	4-9	180	6-5	180	7.1	180	8-0	185	1
22	175	3-2	190	4.0	190	2.5	160	2•5	155	3.0	180	3•8	185	3•5	185	3•8	185	4.7	180	5•5	190	5-3	195	
23	50	0•6	20	0•5	30	1.4	20	1.1	20	1-4	60	0.9	20	0•3	10	0.1	55	0.3	25	0.6	30	0-6	. 5	13
24	40	2-6	30	3•5	30	3.1	35	3•3	25	3•6	30	4-4	30	5.0	30	5•9	30	5-6	25	5-9	20	6-5	-30	1
25	350	3•1	350	3•3	335	3•7	340	3•4	<b>3</b> 30	3•5	330	3•9	345	3•8	355	4-6	360	5-1	360	5•0	360	5-9	5	
26	25	5-0	20	5-2	20	5•5	25	5•4	25	6•0	30	6-7	35	6-9	35	6-5	30	6-5	20	6.2	25	7-2	25	
27	25	5-4	35	5-2	25	5.2	25	6-1	25	5-8	20	5-8	25	5•7	25	5-2	25	5.2	35	6.1	30	5-4	25	1
28	20	4.3	20	4-8	25	5.1	25	5-9	25	5-0	20	5-1	25	5•1	30	5•4	20	4.5	20	4-6	25	5-0	20	1
29	200	1.8	235	1.0	245	0.7	255	1.2	270	0.8	270	0.1	170	0.2	205	1.1	225	2-0	245	2-1	225	2-1	235	
30	240	2-6	245	2.2	245	1.0	245	1.3	250	1.8	260	2•3	290	1.8	270	1-4	290	1.0	310	0-5	<b>25</b> 5	0-4	200	
<b>l</b> ean		3.7		3-8		4.0		4.2		4.3		4.5		4-6		5•0		5•4		5-6		5•8		+
lour	+	<u> </u>	<u> </u>	L	-	l	<u> </u>	L	<u> </u>	L		L		L		L	<u> </u>						<del>                                     </del>	_
M. T.	0	- 1	1	- 2	2 .	- 3	3 -	- 4	4	- 5	5 -	- 6	6 -	- 7	7 .	- 8	8 -	- 9	9.	- 10	10 .	. 11	11	- :

WIND: DIRECTION AND SPEED Averages for periods of sixty minutes, ending at the exact hours, Greenwich Mean Time.

M.S.L. + ha (height of anemometer above ground) = 5 metres + 23 metres.

MARCH, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Meen	Day
220	11√B 2•6	195	m/s 3·1	o 195	m/s 3•4	0 190	m/s 4-0	0 170	m/s 3∙5	135	m/s 2•£	110	m/s 2-8	105	m/s 3∙5	105	m/s 3•0	110	m/s 2-6	120	m/s 2•2	60	m/s 1.2	m/s 2•2	1
340 85	2.0	340 70	2-8	340 100	1.4	320 105	2-0	25 100	2-4	50 90	1.5 1.6	35 300	0.6 1.7	355 300	0-7 0-8	140 280	0-8 1-6	140 300	1.5	135 285	1•3 2•5	95 310	0•7 3•8	1.8 1.9	2
295	3-4	275	2-8	315	2.4	320	3-4	300	3.5	275	1.9	290	1.2	255	0-7	200	1.1	220	1-6	220	1.5	215	1.4	2.5	4
245	4-4	260	5-7	265	5-4	260	4-5	255	3•5	250	3-4	255	2-8	260	3-0	· <b>26</b> 5	3-5	270	2-8	270	3•1	275	3•1	2•9	5
5	3-0	345	3-4	240	2•3	40	3-6	50	2-4	15	0-2	335	1.0	340	0-9	340	1.5	345	1.5	5	1.5	10	1.8	1.7	6
50	4-2	65	4.0	340 70	4.3	60	3-9	60	3-9	110	3-0	110	3-1	100	2-4	90	1.5	85	2-2	80	2.5	80	1.0	2.3	7
75	8-1	55	5-5	60	7-0	55	7-5	55	7-3	50	7•5	45	7-1	35	6-5	35	7-4	55	8-8	65	9-3	75	10-0	5-4	8
60	13-5	65	12-7	60	12-9	55	11-8	55	10-7	50	10-0	60	9-5	65	10-0	75	10-0	85	8•3	90	8-8	90	6-2	9-8	9
70	9-8	60	10-1	55	11.2	55	10-6	60	9•8	50	9•3	50	9•0	50	7•8	50	8-2	60	8-3	70	9-1	70	9•0	8•6	10
55	9-0	70	10.0	50	9-1	60	9-1	60	8•3	60	7•5	50	5-9	30	3-9	20	3-0	35	4.0	40	3•0	35	2•9	8•0	11
55	9-1	55	8.5	55	7-5	40	7-9	40	8-0	40	7-6	50	7-5	50	7-6	50	6-0	45	4-8	35	4-1	40	4.0	6-2	12
50	6-2	60	6•5	80	5-8	70	5•5	95	5•3	90	5•5	85	5-2	75	3-0	60	3•8	30	2-9	20	3-0	25	2-7	4.4	13
20	1.6	360	0.8		0.0	240	0.5	210	0-8	220	1.4	210	1.3	200	2.1	210	1.7	185	1-9	185	2.1	190	2.0	2•3	14
165	1.7	165	2.6	140	3.1	140	3-2	125	3•4	100	3•6	105	2-8	. 90	3•8	85	4•5	95	4•3	90	4-8	80	4.6	2•5	15
165	3-1	155	2.7	180	4.5	180	4.5	185	5•0	175	4.1	165	3-9	155	2.7	165	2.4	170	1.5	155	0-8	95	0.8	2•8	16
335	2.1	5	0-7	275	1.5	255	1-7	310	2.8	310	1.5	300	2-2	290	2.0	280	1.5	270	0-6	250	0-9	285	1.2	1·1 2·1	17
255 185	3.3	270	4.3	270	4.0	245	3-0	225	2-9	205	2.5	200	3.1	205	3.2	195	2.7	195	2-3	195	2.5 1.3	200 120	2.4	2.1	18 19
230	5·3 2·7	180 275	2.3	180 245	1.9	165 240	5•0 2•9	145 240	2.5	140 240	3·5 2·3	130 195	4·0 3·1	135 205	4·3 2·3	150 225	2.0	140 230	2.6	50 240	1.5	225	1.5	1.7	20
1	~ '	2.10	_ ~ ~	~=0		~30	~	220	~ "	240		100		200		~~0	- 0	200	- '		- 0		- 0	- '	~~
215	4-7	215	4.5	215	5.0	215	5-1	225	4.8	210	4.3	210	4•3	205	3•5	215	2.9	215	2•4	215	2•5	200	2.2	2•5	21
220	6.6	220	5.2	200	6-5	210	8.1	220	9.6	260	6.3	220	5.7	220	5.5	245	4.6	220	4.6	230	5-4	225	5.5	4.7	22
215 285	7•7 5•8	215 285	8·2 5·1	220 290	8•0 5•3	230 290	8•1 5•7	230 285	8•0 4•0	225 285	8·1 2·3	235 270	6•5 2•6	250 260	7·1 2·6	255 250	6•6 2•8	260 235	6•7 2•6	260 225	6·1 2·0	255 225	5•7 2•3	6•5 4•0	23 24
255	5-9	275	6-0	265	6.2	260	4.5	260	5.2	270	5-6	255	3.1	<b>25</b> 5	4.1	260	3.8	260	3.2	245	3.0	235	2.9	4.3	25
					"																				
240	4.0	220	3-9	230	3.1	280	4-1	280	2-7	260	3-1	255	2-2	250	2.5	250	3-0	255	3-0	245	3-0	235	1.7	2-9	26
345	4.3	350	3-3	5	3-0	25	2-9	20	2-4	360	1.5	355	1.1	155	0-8	175	1.1	185	1.1	195	2.4	210	1.9	2-4	27
265 25	3•2 5•9	265 30	3•7 5•1	280 20	2-9	280 25	3•4 5•5	300 20	3•5 4•6	330 45	2-2 4-8	330 120	0•9 3•5	310 125	0·8 2·7	310 115	0•6 3•5	230 120	1•4 2•9	235 110	1.8 3.0	245 135	1.8 3.0	1•9 3•6	28 29
220	5-8	225	6-1	225	5-2	225	4.6	225	3.7	225	4.5	225	3-9	220	4.1	230	4.3	225	4.7	230	3-2	235	3-0	3.7	30
1				""			التا		"		- "										- "			l - '	•
275	5•1	270	4-9	270	5•0	265	4-9	270	4•8	270	4•7	275	3•5	270	2•8	245	2-6	250	2-4	255	3•4	265	3•2	3•6	31
	4-9		4.9		4•8		<u>5•0</u>	***	4-7		4-1		3•7		3-5		3•3		3•2		3-3		3•0	3•7	
				<u> </u>																					L_

APRIL, 1935

																								, 190	
290 340 355 330 300	m/s 6·9 9·2 7·7 4·0 4·1	0 305 335 355 10 275	m/s 7·0 8·3 7·1 3·5 7·0	305 340 340 375 270	m/s 7·1 8·8 8·3 2·0 8·0	0 315 350 360 315 295	**/s 7.5 7.0 8.0 4.4 4.8	0 310 340 355 325 275	m/s 6·4 5·0 5·0 4·0 7·3	295 345 330 345 275	5.0 4.8 4.0 5.0 7.7	0 295 345 335 335 270	m/s 5·0 3·8 3·0 3·5 4·4	315 320 325 330 295	m/s 4·9 2·7 2·1 2·5 4·3	310 325 310 295 300	m/s 5·5 2·8 1·6 2·0 3·5	9 310 320 280 260 280	m/s 5.0 4.4 2.1 2.8 3.3	350 320 280 270 280	5.5 3.0 2.6 3.5 3.5	320 310 265 280 260	3.4 3.2 2.5 4.1 3.5	m/s 4·7 6·0 5·0 3·8 4·9	1 2 3 4 5
	7•4 4•8 4•8 10•1 11•8	275 250 275 230 225	7•4 4•8 2•0 9•0 12•5	280 225 255 230 225	7•1 6•5 2•0 8•6 13•2	285 200 21.5 235 225	5•2 2•2 2•5 6•9 12•5	270 220 185 220 225	5.2 3.2 1.5 6.0 12.2	260 210 200 215 225	3•3 3•5 1•5 6•5 11•6	240 195 210 215 225	2.0 2.5 3.0 6.6 11.6	225 190 205 215 225	3·1 1·9 4·0 6·9 11·5	200 215 215 225 225 225	2.5 4.4 4.9 8.2 10.6	180 205 185 225 225	2.5 4.4 2.6 8.1 10.3	170 195 145 215 225	2.5 3.8 2.3 9.5 10.7	145 180 125 215 230	3.0 3.5 3.1 8.8 8.7	4.7 5.3 3.9 7.3 11.0	6 7 8 9 10
250 .40 160 280 220	9-0 5-3 4-5 3-0 4-2	270 40 175 305 225	8-7 5-9 4-8 1-5 4-1	265 35 180 280 215	8.5 5.5 6.0 2.5 4.4	265 25 175 235 220	8.5 6.7 6.1 2.4 5.0	270 25 165 230 225	6.7 7.1 5.5 3.3 4.9	270 25 140 225 265	6•3 8•4 5•1 4•4 2•6	270 25 150 205 215	4.9 7.9 4.5 3.6 4.8	260 20 160 175 185	2.5 5.8 3.7 2.4 3.5	245 20 155 165 180	2·1 5·5 2·5 2·0 4·3	240 30 165 125 175	1.5 3.6 2.1 1.5 4.2	220 25 160 155 150	0.7 2.0 2.3 0.5 3.4	250 345 180 230 135	0·3 1·5 1·6 0·6 4·9	7•2 4•3 2•8 1•9 2•7	11 12 13 14 15
245 270 260 215 170	8-9 5-1 7-5 7-7 3-4	240 265 250 215 165	8•0 6•0 7•1 5•1 4•3	235 260 235 225 135	8·4 6·0 6·3 6·6 2·0	235 255 210 225 160	8-5 5-9 7-4 7-7 2-4	220 280 195 235 175	8•0 6•4 4•0 7•9 3•4	230 265 195 225 195	8·1 6·1 5·2 5·9 5·4	220 240 215 215 180	7•2 6•5 6•3 4•8 2•5	205 225 205 200 175	6·4 6·4 5·9 3·2 2·1	210 220 205 190 180	5.9 6.1 5.1 2.2 3.9	205 225 210 175 170	5•8 5•0 6•7 2•6 4•0	200 230 210 165 155	6.0 4.0 6.8 2.4 3.0	190 230 210 140 150	6.1 4.3 6.5 1.9 3.1	7•4 5•0 6•3 5•6 3•5	16 17 18 19 20
180 195 20 25 355	7-1 8-0 2-4 6-8 6-0	175 195 325 25 360	6.4 6.8 3.1 6.5 6.3	185 195 330 30 350	7·2 6·3 2·3 6·4 4·2	185 200 20 30 335	7•2 4•5 2•8 5•9 4•0	185 200 50 25 325	7.5 5.1 4.8 6.4 3.3	190 205 80 15 360	7•2 4•5 4•2 7•0 4•4	190 205 100 10 15	3.8 4.0 4.5 6.3 5.7	175 190 90 40 20	4·3 2·1 4·2 4·0 5·8	170 170 85 35 20	3·1 2·9 4·5 4·0 6·0	155 160 55 30 20	1.3 1.1 2.2 4.5 6.1	160 150 40 25 15	3·8 0·9 2·4 4·1 6·4	175 100 20 15 20	4.0 1.0 2.5 4.0 6.3	5.0 4.0 2.1 5.1 4.8	21 22 23 24 25
25 30 25 270 205	9.0 5.7 3.6 2.3 2.4	30 30 15 250 220	8-2 6-0 4-4 3-1 1-0	30 25 15 235 90	7.5 6.5 3.9 2.5 1.4	35 25 15 250 140	7·2 6·4 3·2 2·3 0·8	30 25 25 265 150	6•9 5•4 3•2 2•4 3•0	30 25 35 255 95	6•4 5•4 3•0 1•3 3•8	30 30 40 190 115	6.0 5.9 2.7 0.4 2.7	35 35 70 240 150	5•9 6•2 1•5 2•0 3•3	35 30 45 225 115	5.7 5.5 2.2 2.4 2.1	30 30 90 225 125	5•4 6•1 2•3 3•3 2•4	25 35 140 220 125	4•9 5•4 2•3 3•0 2•9	25 30 165 230 135	5•2 5•5 2•0 3•0	6•4 5•7 3•9 <u>1•8</u> 2•0	26 27 28 29 30
	6-1		5•9		5•9		5•5		5-4		5•3		4.7		4-2	·	4-1		3•9		3-8		<u>3-7</u>	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	Meen	Day

WIND: DIRECTION AND SPEED

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

515. KEW OBSERVATORY:

Dines Pressure Tube Anemometer from Jan., 1926.

Ha (height of vane of anemometer shows were a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

Hour G. M. T.	0	- 1	1	- 2	2	<b>-</b> 3	3	- 4	4	- 5	5	- 6	6	- 7	7	8	8	- 9	9.	- 10	10	- 11	11	- 12
Day	•	m/s	•	<b>m/</b> 8	۰	ш√в	0	<b>10/</b> 8	۰	m/s	۰	<b>m/</b> 8	٥	<b>m/</b> 8	0	<b>12/</b> 8	•	<b>m</b> √8	•	m/s	۰	<b>11/</b> 8	•	<b>1</b> /8
1	130	2-7	11.5	3-3	105	3.7	100	4.6	115	4.2	115	3.2	11.5	3.1	120	2.9	125	2.8	125	2.6	145	2-6	175	2.4
2	95	2.8	<b>7</b> 5	1.0	95	1.8	- 70	1.1	85	1.5	85	1.4	125	1.6	180	3•5	185	4.5	180	4.5	<b>18</b> 5	5-1	<b>19</b> 5	5-1
3	110	1.4	100	1.1	85	1.0	80	1.6	90	1.9	95	1.3	100	1.3	140	1.5	140	4.4	135	5.1	130	7-3	135	6-7
4	. 80	5•3	80	5.0	75	5•6	80	6.3	85	6•6	85	5•5	85	5•8	90	6-0	90	5•9	<b>8</b> 5	5•4	80	6-4	90	7-8
5	245	0.1	180	0.1	215	0.9	250	0.5	215	0.1	205	0.1		0.0	205	0•3	295	0.1	30	0.8	340	1.1	315	0-8
6	20	0-1	10	0-1	300	0.1	15	0.2	20	0.5	5	0.7	. 10	1.5	30	2•5	20	1.8	20	3.1	30	4-5	35	4.2
7	1.5	1.5	25	2.2	25	1.8	25	2-8	20	2.8	25	2.6	20	3.0	25	1.9	40	3•6	60	5•2	55	5-0	55	5 - 5
8	30	4.8	40	5•6	45	6+0	45	4.9	35	4.9	45	3.8	30	5.0	35	5-0	45	6.0	50	6-0	45	5-2	30	4.5
9	35	5-0	40	4.4	30	4.9	35	5•3	35	5.2	40	5-7	45	6-4	45	6-0	50	5-6	55	6.0	50	6-9	60	7-2
10	40	5•5	45	5•8	50	7-0	50	6-0	50	6-2	50	5•5	55	6•5	55	7•4	60	8•4	70	8-9	70	10-2	80	9-8
11.	55	6•3	55	6•6	60	6-2	55	6.7	45	6-4	45	6-6	40	6.2	40	6-3	40	6.5	40	6.5	55	6-7	45	6-9
12	45	4.7	45	4.9	45	6.5	45	5-8	40	6.7	40	7.0	40	7.4	35	8-0	50	7-1	35	7.2	35	6-9	25	6-1
13	20	4.1	25	3.5	20	3•5	15	3.0	1.5	3.5	15	4.0	15	4.8	35	5.9	35	5.0	50	3.8	35	3-7	25	4-0
14	235	2.1	235	2.5	235	2.2	235	1.5	280	1.0	295	1.0	290	1.2	5	4.7	20	5.5	25	7.5	25	7-2	25	6-6
15	360	9•8	10	8.7	15	8-4	25	8-0	40	6•3	55	5-1	25	6•5	25	7.5	30	8-2	30	8-2	20	8-8	25	6-1
16	240	3-2	285	1.6	325	1.9	280	1.5	15	4.3	20	6-9	20	7.4	20	7•5	15	6•4	20	8-6	15	7-9	10	7-1
17	265	0.2	245	0.5	230	1.5	210	1.2	205	1.2	200	0.6	220	0.2	210	i•i	210	4.3	195	5.5	205	5-4	200	6.4
18	45	4.7	45	3.9	25	3-4	30	2.0	15	3-0	25	4.1	20	5.0	25	6-4	25	5.0	15	5.7	20	5-9	20	5-6
19	235	ī•i	235	1.5	240	0.7	225	1.2	215	1.1	215	0.5	225	1.2	240	2.8	235	2.8	235	3-4	230	4-1	215	5.7
20	200	2.7	200	1.9	215	1.0	220	0.6	195	0-4	210	1.6	210	1.8	205	2-0	215	3.2	205	3.4	195	4.1	185	5-8
21	50	2-9	55	2-8	50	3•4	50	2-0	60	2.1	55	3•0	50	5•0	50	6-8	50	7-4	50	7-5	55	7-3	55	7-8
22	50	6.5	40	5.0	45	5•4	40	5.1	45	5-3	45	6-0	50	7.2	50	8.9	60	8.6	50	7.5	50	6-5	50	7-6
23	35	7.0	35	8-1	30	7•5	30	6.2	30	5-2	35	5-3	35	6-5	35	7-2	30	7-6	30	9-0	35	9-9	45	10-3
24	30	6.3	45	6.6	35	6-9	30	4.9	40	6-9	40	7-6	45	7-1	40	7-5	45	9.0	55	10.5	50	11.2	50	11·0
25	35	8-1	45	7-8	50	7-1	50	7•3	50	6-9	50	7-2	50	6.4	50	5•0	50	5•0	50	5-1	60	6.9	70	5-0
26	35	5•5	35	4.5	45	4•8	30	4.0	30	4-0	30	6.0	30	5•7	30	5-4	25	5•7	30	5-2	40	5•6	40	5-0
27	25	3.7	30	3.5	30	4.3	30	5•4	35	6.5	30	5-2	25	5.0	30	5-2	25	4-9	25	3.9	15	4-8	30	4.7
28	355	1.6	360	2-8	5	1.0	350	0.3	360	0.9	20	1.0	20	2.0	10	1.7	35	2.5	35	2.0	5	0.3	355	1.5
29	45	4.3	45	4.1	45	4.9	30	3.9	30	2-9	20	•3•0	30	4.8	25	5-0	30	5-2	25	5-0	15	5.0	20	5-5
30	25	4.3	25	4.9	25	4.3	25	4.5	25	4-6	25	4.9	20	3•5	. 10	3.5	30	4.5	35	3-9	35	2.9	65	4-1
31	110	0•8	60	1.0	50	3•0	45	3•9	60	3•0	40	2.7	40	2•6	40	2•6	50	2•6	45	2-0	40	1.8	40	2-1
Mean	<b>†</b>	3-8		3•7		3•9		3•6		3•7		3•8		4.2		4.8		5•2		5•5		5•7		5-7

516.	KEW	OBSERVATORY:	H.	=	5	metres	+	23	metres
210.	A.C.W	ODOPUANTOUT:	п.	_	٠,	me or es	-	2)	me or e

Day	0	m/s	٥	m/s	۰	m/s	•	m/s	0	m/s	0	10/8	۰	<b>11/8</b>	۰	m/s	۰	<b>12/</b> 8	۰	m/8	•	m/s	•	<b>m</b> /8
ì	245	1.6	270	1.0	275	0.6	225	0.1	165	1.1	190	1.8	180	1.3	160	1.5	190	1.5	200	2.0	160	1.5	195	2.4
2	105	3-2	105	2.5	110	1.5	95	1.7	110	1.0	135	0.7	165	2.5	195	2-2	215	2-2	215	3.1	215	3-5	215	5-0
3	230	2-4	225	1.5	235	2-5	230	2.6	230	3-0	230	2.7	230	3-4	230	3.8	225	3-0	245	3.0	225	5.0	305	3-0
4	205	2-2	200	1-5	200	1.8	185	2.4	185	2.5	175	2-5	165	3.4	180	4.3	180	4.5	180	4-4	185	5-1	185	6-2
5	165	1.5	105	1.1	95	1.3	90	1.0	95	1.4	105	1-5	70	0-8	330	1.1	265	2-1	235	3.5	200	3.7	190	3-2
							1									_						ļ	•	
6	235	3-2	240	3-2	245	3.4	240	3-2	230	3.5	240	2-5	230	4.5	240	4-0	240	5-7	230	6-2	225	7•5	220	8-0
7	205	7-2	205	6-7	205	6-5	205	6-6	205	7-0	205	7-5	205	7.5	205	8-0	200	7-2	195	7-6	200	8-5	205	10-4
8	225	7-2	225	8-1	225	7-8	225	6.5	225	7-6	225	7-8	230	6-0	245	5•5	230	5-3	250	7-3	255	8-0	250	7-2
9	235	1.6	230	1.6	220	0.7	210	0.5	200	1.2	195	0.2	155	0.1	75	0-5	135	1-4	175	2-5	175	2.6	170	3-3
10	90	6-0	360	1.6	25	2.8	75	3-5	85	4.3	85	4-0	85	3-0	105	2.8	100	3-8	125	2.0	180	1.9	215	4.5
													-											
11	170	2-6	180	2-4	185	3•0	190	2-9	200	2-7	200	3-3	205	4-1	205	4.6	210	6-2	195	5•5	210	7-3	220	9•3
12	210	5-0	210	4-4	205	4.4	205	4.5	205	4.7	210	4.5	220	6-8	215	6.9	205	7+7	200	6-8	205	7.0	215	8-3
13	185	3-4	180	3•0	200	4-9	195	4.7	205	6.3	210	5-8	210	4-5	215	6.7	225	6-5	225	7-2	235	6.8	225	6-6
14	170	3-2	180	3-2	200	3.0	215	4.8	205	4-1	205	3.0	220	4-9	230	4-0	220	5-0	215	6-1	210	6.3	200	7-1
15	215	1.7	240	1.2	220	1.5	195	2.5	245	0.9	190	2.3	215	4-9	225	4.5	225	4.4	21.5	4-4	215	3-4	230	4-4
													·									1	ł	
16	250	2-6	240	2.7	240	3•0	240	3.7	235	3-0	225	4.0	235	3•6	240	4.5	235	4-9	240	4.7	250	4.2	235	5-8
17.	230	4.9	235	4.0	230	4-4	235	4.0	240	4-8	240	4.5	235	3-4	260	3•6	250	3•8	230	4.4	230	5-2	225	5-6
18	130	3•5	135	2-6	180	2.9	210	4.4	220	5•3	215	5-9	215	5-8	220	6-0	220	5•8	225	5•8	230	5-8	230	6.3
. 19	25	1.4	35	2-4	35	1.7	10	1.1	40	1.5	55	2.0	75	1.8	90	1.6	105	2-0	135	2:0	180	2.9	165	3-0
20	205	3.9	220	4.8	225	5.1	215	4.1	225	3•6	230	3-6	220	.3•9	225	4-4	220	5-0	225	5-2	220	6.0	220	5-6
				ĺ																	1			l l
21	220	3•0	215	2.5	220	3•0	225	3•4	215	3•8	220	4.9	225	3•9	220	3-9	225	4.0	225	3-8	225	4.6	205	4-2
22	90	0.1	280	0.1	60.	0.3	80	1.3	90	2.5	90	1.3	105	1.5	140	3•4	135	3•7	125	3-8	145	4.2	155	3.7
23	75	2.9	75	1.9	55	1.5	55	0.7	80	2.0	80	1.5	75	2.2	75	1.7	80	3•3	80	4.3	120	3-9	110	4-5
24	60	2-9	65	2•5	55	2.0	45	1.8	35	2.0	45	2.6	55	3•5	60	3•0	45	3•3	55 ·	3.8	85	5.5	80	6-4
25	45	2•5	70	1.9	65	2•3	70	2•4	65	1.9	55	1.4	70	2-4	60	2.5	65	2.7	65	3.2	75	3•3	90	3.7
			01.0		~~ ~											ا ـ ـ ا							۱	0-0
26	200	4.0	210	4.0	215	3.9	205	3•2	190	3.2	190	3.4	195	5-0	225	5•0	210	5•1	210	5•6	205	6.0	210	7°3
27	185	3•5	180	3•0	185	3•9	185	3•3	200	4.5	205	6.3	205	6•3	220	5-1	225	5•6	225	5•7 3•0	220	7.1	220	3-4
28	255	2.7	255	2.3	245	2.0	230	2-0	220	2.2	225	2.4	245	2.2	240 130	2.5	250	2•7	250 155	4.8	270 170	3.5	265 150	3-8
29 30	285 80	0.4	220	0.3	205	0-4	195	0.6	215	1.0	250	1 -	45	0-1	130	2.6	165 85	4•0 4•0	85	5-6	75	4·4 5·7	75	6-2
30	80	3•4	85	2•8	80	3•0	80	3•2	65	2-2	70	2•5	80	2-6	80	3•0	95	4-0	09	3-0	75	5-7	15	8-2
Maan		2-1	ļ	0.7		0.0		0.0		2-0		2.0		2.5		200		4.0		400		5-0		5•5
Mean	1	3•1	=	2.7	•	2•8		2•9		3•2		3•2		3•5		3•8	*	4.2		4•6	1	5•0		
Hour G. M. T.	0 -	. 1	1.	- 2	. 2.	- 3	3 •	- 4	4 .	- 5	5 -	- 6	6 -	- 7	7 .	- 8	8 -	- 9	9 -	- 10	10 -	. 11	11.	- 12
							Ь														<u> </u>			

M.S.L. +  $h_a$  (height of anemometer above ground) = 5 metres + 23 metres

MAY, 1935

12	- 13	13	14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
95 270	1/s 2·2 4·8 6·8 7·1 1·2	0 215 205 125 90 80	m/s 2.6 4.6 6.8 6.6 0.6	0 210 185 130 90 45	m/s 3•0 5•2 7•5 6•5 2•8	0 180 190 125 90 35	m/s 2·0 4·5 7·4 4·8 2·5	90 95 25	m/s 1.0 4.1 8.0 3.0 2.8	90 180 25	m/s 3.6 3.6 8.9 1.6 2.5	95 210 95 200 70	m/s 5•1 3•3 9•2 1•8 2•3	0 105 195 95 215 70	m/s 5·8 2·4 8·7 0·9 1·7	105 170 90	m/s 5•7 1•9 5•6 0•0 0•3	90 95 10	m/s 4.6 1.5 5.6 0.5	0 100 120 85 205 35	m/s 3•4 1•3 5•0 0•6 0•5	95 105 85 270 15	m/s 2.6 1.3 5.4 0.1	m/s 3·3 3·0 5·0 4·4 0·9	1 2 3 4 5
50 45 25 55 70	4.0 5.5 4.4 7.4 8.6	45 65 35 55 65	3.9 5.9 5.6 8.4 8.1	25 60 35 60 65	3·7 4·9 6·6 9·4 8·4	25 55 40 70 80	3•4 5•3 6•5 8•8 8•9	30 95 30 65 50	3.8 4.3 7.0 9.8 8.1	15 100 30 65 60	3.5 4.2 6.0 10.0 7.4	15 80 25 55 50	3•2 3•8 6•5 7•7 8•4	85 35 25 55 50	3.0 6.9 6.7 6.0 7.0	90 40 30 50 50	2•5 6•2 5•2 6•5 7•0	90 35 35 50 40	0-5 6-0 6-2 5-7 7-6	40 35 35 45 45	0•2 6•2 6•2 5•5 6•6	15 40 45 45 60	0•4 5•5 5•2 5•0 6•9	2·1 4·3 5·6 6·6 7·5	6 7 8 9 10
45 25 5 15 25	6-6 6-9 4-2 7-6 7-1	40 25 360 10 15	6•9 7•7 3•8 8•7 6•6	45 30 25 10 10	6•3 6•8 3•3 7•6 6•0	40 35 355 10 360	7•8 7•6 2•7 7•6 5•0	45 30 355 10 360	6•8 7•0 1•9 6•0 4•5	45 30 10 10 350	6.6 7.2 1.6 6.4 2.8	25 30 345 360 340	6.6 7.3 1.6 4.7 2.0	30 35 325 350 340	5•7 6•5 0•2 4•6 0•2	25 30 270 320 200	6•0 4•6 0•2 4•1 0•£	35 30 255 345 175	6•7 6•7 0•4 4•0 0•7	45 30 230 335 195	6-6 4-7 0-9 4-7 0-8	35 25 235 355 205	4-1 3-5 1-6 8-2 1-4	6•4 6•5 3•0 4•9 5•4	11 12 13 14 15
15 185 360 195 180	7•3 6•8 4•5 4•6 5•4	15 180 10 215 210	7.8 6.1 5.0 4.8 3.7	10 150 30 200 275	5•6 6•1 5•5 4•6 2•0	15 135 35 215 20	6•9 5•5 7•2 6•2 0•8	5 160 25 225 60	5•3 5•2 5•5 5•0 0•1	10 130 15 230 125	5•0 5•4 5•5 6•0 0•5	10 115 360 225 115	3•8 4•8 2•4 4•7 1•9	30 110 315 235 90	3.0 3.7 3.0 4.6 1.4	15 100 10 225 75	1•2 5•7 4•0 4•9 0•2	305 75 10 225 20	0.6 4.6 1.2 5.2 0.8	315 55 305 225 35	0.5 4.7 1.1 4.4 2.4	275 45 280 210 60	0.2 4.6 0.9 3.4 1.9	4.6 3.8 4.2 3.5 2.0	16- 17- 18- 19- 20-
40 35 45 50 70	8-4 7-8 11-0 11-0 9-6	40 40 50 45 65	8.4 8.6 10.8 11.1 9.3	45 45 45 45 75	8.9 8.5 11.6 11.4 10.2	50 45 40 40 55	8•3 9•2 11•0 10•6 8•9	50 45 40 40 55	8•3 9•5 9•8 10•0 9•4	60 40 45 40 50	8·1 9·4 10·2 9·3 8·9	60 40 50 30 50	8.2 9.4 10.0 9.0 8.2	50 45 30 25 40	7•4 9•2 8•4 8•3 6•5	45 40 30 25 30	7•5 8•7 8•3 6•6 6•4	45 40 25 30 30	6•0 8•8 6•5 6•8 5•8	45 40 30 30 35	5•5 7•5 6•2 6•4 5•5	50 35 25 25 25 30	6 • 5 6 • 0 7 • 0 7 • 2 5 • 5	6 • 2 7 • 6 8 • 4 8 • 5 7 • 2	21 22 23 24 25
40 30 50 30 60	6.0 4.1 1.0 5.1 3.9	35 40 70 25 95	6.6 4.3 3.6 5.2 4.7	40 30 45 20 95	6•1 4•0 4•1 5•4 5•0	30 20 55 30 130	5•9 3•0 5•0 5•9 4•2	30 10 45 25 110	6 • 6 1 • 6 4 • 4 5 • 9 4 • 0	25 35 65 20 115	7.5 3.2 3.5 6.1 4.3	25 50 90 30 120	7•0 3•5 3•6 6•0 2•9	30 45 100 25 130	6•6 3•2 4•8 5•0 2•8	30 45 90 20 125	5•4 2•5 3•9 4•9 2•1	30 35 80 25 105	5•6 2•0 2•0 5•5 1•5	30 30 55 30 105	4.5 2.5 3.2 4.5 1.7	25 25 40 30 110	3•4 2•2 3•5 4•0 1•4	5.5 3.9 2.5 4.9 3.7	26 27 28 29 30
55	2.0	95	1•9	145	2•2	145	0•7		0•0		0.0	130	0•1		0•0	1.50	0.1	175	0+8	170	1.0	195	0•9	1.6	31
Ŀ	5•9		6•1		<u>6·1</u>		5•9		5•4		5•4		5•1		4.7		4•1		3•9		3•7		<u>3•6</u>	4.7	

JUNE, 1935

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175 200 220 190 205	m/s 2·3 6·2 4·5 6·1 3·6	0 125 195 280 200 205	m/s 1.6 5.9 3.0 5.7 3.6	0 160 210 225 205 200	m/s 1.5 5.2 6.1 4.2 4.5	0 165 220 210 190 225	m/s 1.5 6.2 5.5 4.5 4.0	0 140 230 205 180 220	m/s 2·3 7·0 5·8 4·3 4·3	0 105 235 215 180 240	m/s 4·3 6·4 5·1 3·5 4·0	0 100 275 225 185 240	m/s 3·4 4·4 6·3 3·0 2·3	0 100 260 225 190 260	m/s 3•8 2•8 5•3 3•0 2•5	85 245 205 175 235	m/s 3·2 1·6 3·6 2·5 2·3	0 100 230 205 150 250	m/s 2·4 3·0 4·8 1·6 2·3	0 110 230 200 140 245	m/s 2.6 3.0 3.6 1.5 2.0	0 105 230 205 180 235	m/s 2.6 3.4 3.4 2.5 2.3	m/s 2-0 3-5 3-9 3-5 2-5	1 2 3 4
210 225 245 150 215	7.6 12.5 7.1 4.0 4.8	210 225 240 130 215	8•2 11•9 7•9 3•5 4•5	205 225 255 185 205	7•3 12•6 6•4 3•5 3•5	195 220 260 150 200	7.5 12.0 6.4 3.9 4.1	190 225 230 145 195	6.9 12.9 6.2 3.0 4.4	200 225 255 125 220	6.9 12.6 6.0 3.7 5.2	205 225 275 85 200	6.9 11.8 5.2 5.5 4.7	205 225 285 90 185	7.0 10.3 3.1 6.2 3.7	205 225 265 90 175	7.0 10.6 2.5 6.8 3.5	205 235 265 95 155	6.6 10.5 3.2 4.1 3.0	205 235 250 90 180	7•5 9•9 2•5 6•2 2•9	205 230 235 90 175	7.9 7.9 2.6 6.3 3.1	5•9 <u>9•4</u> 6•0 3•0 3•7	6 7 8 9
225 215 220 210 225	10.0 7.6 7.1 6.6 4.1	220 220 210 205 210	10·4 8·2 7·7 6·3 3·1	225 215 215 205 220	9•9 9•1 7•1 5•0 4•7	220 220 225 185 220	11.1 8.5 6.7 4.8 5.7	230 220 220 185 225	9·0 8·2 5·1 4·7 2·0	225 220 220 185 250	8•6 8•7 5•6 3•7 3•5	225 220 180 195 310	7·1 8·9 5·0 4·0 2·1	225 220 180 205 290	7·3 5·6 5·1 4·4 2·3	220 215 185 210 265	6·4 5·8 3·5 3·0 1·1	220 200 185 205 240	6.5 4.1 2.6 2.8 2.0	220 195 175 205 240	5.5 2.9 1.8 2.9 2.6	210 190 170 215 245	4·9 3·0 3·0 3·0 2·6	6•3 6•3 5•3 4•4 3•0	11 12 13 14 15
265 220 235 200 215	3·4 6·8 6·5 2·9 4·9	205 225 260 215 215	5•7 6•9 6•7 3•5 4•9	225 220 265 205 220	7•2 7•0 6•8 3•9 5•1	240 225 265 210 220	7•3 7•1 6•6 5•6 5•6	240 225 265 210 215	7.0 6.1 6.4 5.0 4.7	230 215 260 195 220	6•8 6•5 5•9 4•0 5•0	230 210 265 210 225	6•4 6•3 5•0 4•0 4•9	225 195 265 215 225	5•0 5•0 4•4 4•1 4•9	225 175 265 215 225	4·9 3·0 3·5 4·7 5·5	230 145 265 225 225	3•9 3•0 3•3 4•5 5•0	225 135 260 215 230	3•9 2•9 3•5 3•5 2•9	225 120 305 215 225	4.8 3.0 2.8 3.8 2.6	4.7 4.8 5.1 3.0 4.6	16 17 18 19
225 130 90 80 125	4.8 3.5 3.9 6.7 4.9	225 125 85 80 195	4•3 4•5 4•8 6•3 4•9	220 100 85 85 200	3•5 5•0 5•0 6•0 4•2	240 85 80 85 125	3·1 6·2 6·2 6·4 1·0	210 90 90 75 110	2.5 6.3 6.5 7.0 2.0	21.5 90 85 85 130	2•5 6•2 6•3 6•3	21.5 90 95 80 150	2.5 6.1 5.2 5.6 3.3	220 85 80 85 170	2.0 5.0 5.0 5.8 2.5	205 80 75 80 185	2.0 3.3 3.8 3.5 2.5	195 85 75 60 195	1.5 3.5 3.7 2.5 3.4	195 85 70 45 195	0.2 3.7 3.2 3.2 2.5	285 90 55 45 195	0.5 3.5 2.3 3.0 2.8	3•1 3•4 3•6 4•3 2•8	21 22 23 24 25
210 225 275 120 90	7•0 6•4 3•4 4•3 9•5	205 220 290 130 95	7•4 6•0 3•4 4•3 4•5	200 220 295 135 75	7-1 6-3 2-7 4-7 4-9	210 235 300 135 60	7·1 5·7 2·1 4·0 5·5	200 235 270 90 55	7•0 5•5 2•4 5•3 5•6	210 245 230 90 65	5•8 5•2 2•3 5•5 5•5	210 250 280 85 80	5•1 3•5 1•9 6•2 6•4	205 230 300 95 85	4.5 3.5 1.3 5.5 5.1	185 230 245 90 90	3•3 3•3 0•9 3•9 4•4	195 230 230 90 70	2•4 2•9 0•7 5•0 5•5	185 260 215 90 65	1.4 2.4 0.5 5.0 3.3	180 265 230 85 50	3·1 2·6 0·4 4·3 3·4	4-9 4-7 2-2 3-3 4-3	26 27 28 29 30
	5•6		5•7		5•7		<u>5•7</u>		5•5		5•5		5•1		4•5		3•9		3•7		3•3		3•4	4•3	
12 .	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	<b>- 1</b> 9	19	- 20	20	- 21	21 .	- 22	22 -	- 23	23 .	. 24	Mean	Day

WIND: DIRECTION AND SPEED

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

517. KEW OBSERVATORY:
Dines Pressure Tube Anemometer from Jan., 1926

Hg (height of vane of anemometer and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second

Hour G. M. T.	0	- 1	1	- 2	2	- 3	3 -	- 4	4	- 5	5	- 6	8	- 7	7 .	- 8	. 8	- 9	9	- 10	10	- 11	n	- 12
Day	٥	<b>m/</b> 8	٥	<b>m</b> ∕s	0	<b>m/</b> 8	0	<b>1</b> /8	•	<b>m/</b> 8	•	<b>11/8</b>	•	<b>11/</b> 5	•	<b>=/</b> a	0	<b>=/</b> 8	•	<b>12/</b> 8	•	<b>1</b> /s	•	=/:
1	40	4-0	50	3•3	45	3-0	35	2-8	35	2-0	45	3-5	55	3-0	35	3-5	40	2.0	30	3-0	30	5-3	40	5-1
2	355	3-4	350	2•5	300	2-9	305	3-7	290	3•3	280	3.1	280	3-8	280	4-2	270	3•4	260	4.0	260	5-0	260	4.4
3	265	3-2	285	3-2	270	2-2	250	1-9	245	2-4	245	3•0	260	3•5	250	2-9	250	2.9	255	3.5	255	2-9	250	2.6
4	230	3•5	225	4-3	230	5•0	235	5•3	250	4.5	245	5-5	240	5-7	260	5-5	255	4.5	255	4.4	255	4.5	255	5-
5	<b>25</b> 5	3•2	265	3•7	260	3-9	245	3•7	255	3•3	<b>26</b> 5	3•7	265	4•3	265	6-2	270	6-0	275	6-2	265	7-1	270	7-0
6	320	2•5	325	1.5	315	2-4	330	2-4	335	2-0	315	1.5	320	3-4	320	4-9	330	5-0	330	4-4	31.5	4-4	330	4-0
7 .	335	1.5	310	1.0	205	0.8	315	0-6	305	0-9	320	0.5	340	0-4	360	0-1	25	0.1	90	3-6	90	4-0	100	4.4
. 8	100	1.3	95	1.3	80	1.3	100	1.3	90	0.9	85	0-9	90	2-8	115	2-4	115	2-8	95	4.3	100	5-0	100	4-1
9	85	3.5	70	2.4	80	2.3	75	2.2	70	2-4	80	2-5	75	2-0	85	3.1	80	3•7	110	3-8	120	3-0	95	2-8
10	135	0•7	235	1.0	225	0•5	205	0•3	230	0-7	220	0-6	235	1.1	235	0-5	165	0.1	100	0.2	225	1.0	225	201
11	240	0•5	230	1.5	240	1.0	260	0•3	280	0.1	345	1.0	355	2-0	360	2•0	15	1.7	35	1.2	20	1-5	360	1.5
12	40	4.0	45	4.2	80	3.0	15	1.4	25	3.1	30	4.2	45	4.5	50	4.0	75	3.2	65	4.2	60	4.2	45	3.0
13	65	3.4	110	1.5	55	0.7	20	2.0	30	2.7	60	1.9	55	2.5	65	3.0	80	2.7	80	3.5	90	4-8	105	4.6
14	75	0.9	75	2.5	55	0.8	340	1.4	360	0.7	350	1.4	30	1.4	30	1.5	10	1.2	45	2.2	50	3.5	50	3-8
15	330	0.6	25	2.7	30	2-5	10	3.0	25	3.7	25	3.5	45	2.8	45	2-1	30	2.2	25	1.4	55	0.7	15	1-0
	330			~ '		~ ŭ		•		٠,	_~			~ 0		~ -	~	~ ~			~	• '	-	- `
16	225	2•8	235	2-4	240	2.0	265	2.0	305	1.5	295	1.1	310	1.6	320	1.5	325	0.7.	325	2-4	300	2-6	280	34]
17	260	2-0	245	2•5	255	2-5	240	2-0	225	2-6	230	2.7	225	3-5	220	5-2	225	5-1	240	5-1	250	5-0	270	5-1
18	240	1.8	240	1.6	225	2•2	225	1.9	225	2.5	235	2-0	230	2-8	220	3•3	225	4.5	230	5-0	235	5-2	230	4.4
19	215	1.1	210	1.5	215	1.7	210	1.5	220	2-1	205	2.2	220	2-4	220	3-2	230	3.1	230	4.0	225	5-9	230	4-8
20	210	5•8	210	6-0	210	4.7	200	3•7	205	4•0	210	4.1	220	3-9	220	4.3	21.5	4-9	225	5-1	230	5•1	250	4-8
21	270	3•6	260	3-1	260	3.5	260	2-9	240	1-6	245	2-3	265	2-5	280	3•5	285	4-3	280	4-4	285	4.4	275	4-9
22	260	2-0	250	1.8	285	1.7	280	1-4	230	1.5	215	1.4	230	1.3	220	1.2	205	1.1	230	1.2	230	1.0	235	1.3
23	215	1.5	225	2.0	225	1.2	205	0.8	190	1.0	220	1.2	230	0-5	225	0-1	190	0-7	190	2.2	195	2.4	205	2-5
24	210	0-3	205	0.2		0-0	345	0.1		0-0		0.0		0-0		0-0	300	0.2	25	3.2	40	4.7	50	4.7
25	35	4•C	40	3-9	40	3-0	35	3•0	35	3•0	55	3.5	.75	3-5	70	2.7	40	3-6	45	3-9	35	4-8	55	5-6
		ا ، ا	205	, , ,	045						225	ا ا		0.5	ا ہر ا	4.0	ا ہا	4.0	200	2.0		2.0		١
26	310	0-6	335	1.7	345	2.5	340	2.0	335	2.1	335	1.2	360	2.7	10	4.0	5	4.0	360	3.2	360	3.6	335	3-5
27	225	1.7	220	1.4	225	1.8	235	1.9	230	2.5	235	2.2	230	2-5	245	3.2	230	3-4	265	3-8	240	5.0	240	5-5
28	245	5•0	250	3•9	255	4.5	265	4.3	260	4.1	260	3.0	265	2-5	270	3•5	275	3-9	260	5.0	265	5.0	265	4-6
29 30	245 35	1•5 1•6	270 350	2•0 1•5	285 325	1.6	325 305	2•4 1•4	335 315	3•8 1•5	340 305	3•8 0•9	350 295	4•7 1•3	330 305	5•3 1•2	325 345	4.9 1.3	330 305	2.2	345 355	3•8 2•0	345 25	3-4
30	35	7-0	350	1.2	323	1-2	308	7.4	219	7-9	303	ا قدر	280	7-2	303	7-6	349	1-2	oyo .	2-2	300	2-0	^س ا	3-4
31	105	0-9	330	0•4	350	1•3	330	1•0	335	0•8	285	0-5		0•0	190	0•2	15	1.2	45	2-4	30	2•1	30	2+3
<b>K</b> ean		2•3		2•3		2•2		2.1		2•2		2-2		2•5		2•8		2•9		3-5		3-9		4-0

518.	KEW	OBSERVATORY:	Ha	=	5	metres	+	23	metres
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Day 1 2 3 4 5	195 105 80 95 230	m/s 0·7 0·9 0·2 1·2 0·2	110 75 60 95 265	0.8 0.3 0.1 1.6 0.2	185 50 320 90 215	m/s 0·4 0·2 0·1 0·7 0·5	15 90 215	m/s 0.0 0.4 0.0 0.1 0.6	235 70 195  225	0.2 0.5 0.4 0.0 0.5	195 125 240 210 240	0.2 0.1 0.3 0.1 0.1	145 225 255 210	m/s 0-0 0-2 0-3 0-2 0-1	135 290 220 220 240	1.2 0.6 0.4 1.2 0.1	135 45 240 200 170	1.7 3.4 0.2 1.9 0.2	130 30 205 235 145	m/s 2.0 3.0 0.2 2.1 0.4	115 40 210 230 285	m/s 3·0 3·8 0·4 2·6 1·0	55 40 315 245 310	2.2 4.3 1.2 1.8 1.4
6 7 8 9 10	340 160 220 220 215	0·1 0·2 0·6 0·6 1·1	345 210 180 360 240	0-4 0-2 0-6 1-1 2-0	340 210  315 205	0-4 0-5 0-0 1-3 1-6	350 230  330 230	1.4 1.1 0.0 1.2 1.6	340 270  325 250	0.8 0.5 0.0 1.2 1.1	320 310 295 285 230	0.2 0.1 1.6 0.3	355 200  315 220	0.2 0.6 0.0 2.2 0.2	25 215 205 295 220	0.7 1.6 0.1 3.3 1.5	20 21.5 220 305 220	1.3 1.7 0.9 3.2 1.9	40 220 219 305 215	1.8 1.7 1.5 4.4 3.0	45 240 215 315 225	2·1 1·2 1·3 4·5 4·6	35 180 165 315 225	1.7 1.4 1.1 4.2 5.4
11 12 13 14 15	235 225 25 25 325 255	2.4 2.0 6.1 1.9 0.8	225 235 20 320 255	2.2 1.0 6.4 1.1 0.5	225 225 15 260 255	2.0 0.5 6.2 0.7 0.9	235 235 15 235 250	2.0 1.0 5.1 0.8 1.2	235 240 15 215 245	2.0 0.4 4.9 1.1 1.4	230 225 15 240 265	1.2 0.5 4.7 0.9 1.2	225 215 15 250 250	2.0 0.7 4.6 0.4 1.5	205 335 5 310 260	2•2 0•8 5•0 0•9 0•7	230 360 25 325 250	2.6 0.2 6.9 2.8 0.9	235 15 15 300 240	3•4 1•5 7•1 3•1 1•1	220 10 20 315 285	4.3 2.5 7.1 3.4 1.5	225 5 25 315 290	4•4 2•8 7•2 3•4 1•5
16 17 18 19 20	235 230 250 230 225	1.6 1.5 2.0 1.4	240 225 250 225 230	0.5 1.8 1.5 1.7 1.0	230 230 230 220 240	0.9 1.9 1.5 2.0 0.9	215 235 215 220 215	1.0 1.4 1.2 1.4 1.4	215 230 225 205 215	0.9 0.7 1.0 1.0	220 225 225 220 240	1.1 0.6 1.2 1.0 1.1	230 220 220 230 255	1.6 0.5 1.2 2.0 0.9	245 225 225 260 195	1.9 0.4 1.9 2.4 0.4	270 230 260 250 175	1.2 1.2 2.2 2.4 0.4	265 235 265 250 195	1.9 1.6 2.5 1.8 0.9	270 250 265 260 180	2·1 2·0 3·0 2·5 1·6	295 235 250 285 210	3.0 2.5 3.5 2.1 1.6
21 22 23 24 25	35 75 195  200	0·1 1·0 1·4 0·0 1·5	45 80 220  215	0·1 0·2 1·5 0·0 0·9	60 45 260 55 210	0.2 0.2 0.4 1.2 0.7	70 75 230 50 175	1.2 1.1 0.7 0.5 1.0	75 85 280 240 325	1.2 0.2 1.4 0.8 0.8	80 85 220 250 295	1.0 1.0 1.0 0.6 0.5	90 90 25 300 220	0.7 1.3 1.5 0.5 0.3	140 140 50 320 210	1.6 1.4 1.9 1.1 0.5	175 195 100 300 210	3.0 3.5 1.8 1.5 1.0	195 205 120 290 200	3.0 3.0 2.8 2.2 1.2	180 185 330 225 220	4·4 4·2 0·9 2·7 0·9	185 180 290 250 190	5.6 1.7 2.0 1.6
26 27 28 29 30	260 200 220 225 225	0.8 5.0 1.9 1.6 2.5	320 200 225 240 210	0.9 5.1 1.4 1.1 2.5	335 195 230 210 195	0.6 5.2 0.7 1.3 2.5	315 225 215 220 200	1.8 5.1 0.5 1.5 2.5	330 220 250 220 195	1.0 4.4 0.6 2.0 2.5	235 215 175 230 195	0·3 4·1 0·5 1·2 3·0	245 225 180 230 195	1.0 4.6 0.1 1.5 3.3	275 245 180 240 205	1·4 5·0 0·2 2·1 5·0	260 295 205 260 205	1.2 3.7 1.4 1.9 5.0	245 315 205 245 205	1.3 3.9 1.4 3.3 5.5	270 310 240 255 210	2.0 3.6 1.6 2.5 5.3	230 295 230 250 225	2.0 3.9 2.2 3.0 4.5
31	225	3-0	215	3•5	220	5•6	220	5•6	210	5•1	510	5•1	215	6•0	225	6•4	230	7•0	225	8•1	245	8•0	240	5•0
Mean		1.5		1•4		1•3	•	1•4		1.3		1:1		1.3		1.7		2-2		2•6		2-9		3•0
Hour G. M. T.	0 -	- 1	1	- 2	2 .	- 3	з.	- 4	4 .	- 5	5 -	- 6	6 -	- 7	7 -	- 8	8 -	- 9	9 -	- 10	10 -	- 11	11 .	- 12

M.S.L. + ha (height of anemometer above ground) = 5 metres + 23 metres

JULY, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	<b>- 2</b> 3	23	- 24	Mean	Day
55 250 260 260 265	m/s 3·9 5·0 3·0 3·9 6·5	50 260 240 270 270	■/s 4•3 5•7 3•4 5•5 6•6	90 265 250 275 270	m/s 3·8 6·1 3·7 4·9 6·2	90 250 240 275 270	m/s 2·9 6·0 4·0 6·2 6·1	0 110 245 235 275 270	m/s 3·0 5·3 4·0 5·4 5·4	0 145 265 245 275 265	m/s 2•2 4•8 4•4 5•5	240 255 255 255 260 270	m/s 1.0 5.3 4.4 5.5 5.0	9 340 240 260 265 270	m/s 1·3 4·2 4·9 4·3 4·8	0 215 235 255 270 265	m/s 1.5 3.4 4.4 3.5 4.4	200 245 245 260 285	m/s 2·3 3·0 4·7 3·6 3·5	240 240 245 260 310	m/s 1.0 2.9 5.0 3.7 2.6	265 245 245 245 255 315	m/s 1.0 3.2 4.4 3.3 2.4	m/s 2·9 4·1 3·5 4·7 <u>4·9</u>	1 2 3 4 5
325	4·3	325	3·4	310	3.6	330	3·1	330	3.5	335	3•4	320	2.5	325	2.0	335	1.5	345	2·1	335	1.5	315	1.5	2.9	6
85	4·3	80	4·9	90	4.9	105	5·4	110	4.9	125	4•6	140	3.8	145	3.2	100	2.5	95	2·9	110	1.5	110	1.2	2.6	7
100	3·9	115	4·8	110	4.5	110	4·1	100	3.5	95	4•6	100	5.6	105	4.8	100	3.8	90	4·9	95	4.9	85	4.0	3.4	8
150	3·0	105	2·1	145	2.4	185	2·7	170	3.2	145	2•5	130	2.4	105	3.5	95	3.5	105	2·1	105	1.6	115	1.0	2.6	9
215	2·0	235	2·5	235	2.2	235	2·8	245	3.0	245	2•7	260	3.1	240	2.8	235	2.5	230	2·0	230	1.8	240	1.5	1.6	10
25	2.0	55	2·2	10	3.0	25	2·2	125	2•9	100	1.7	355	0•9	60	2•3	65	3•2	35	3·3	35	4·1	40	4.9	2.0	11
60	4.1	75	5·4	95	6.1	80	7·1	70	7•2	70	5.8	70	5•8	70	5•0	75	5•8	70	5·0	75	5·0	70	3.5	4.5	12
105	5.7	110	5·2	115	5.5	120	5·3	110	4•7	95	3.9	85	4•6	85	3•2	85	3•8	75	2·5	96	0·7	85	1.6	3.3	13
55	3.9	70	4·5	50	4.1	35	3·5	50	3•6	65	3.0	125	3•0	110	3•7	75	4•2	70	3·7	60	2·3	35	2.3	2.6	14
5	1.5	330	1·1	310	1.1	260	2·2	245	2•0	275	2.1	235	3•0	225	3•5	230	3•6	230	3·0	225	2·9	220	2.9	2.3	15
285	3•4	285	3•4	275	3•4	275	4•2	280	4•0	270	5•0	270	4•9	270	2•9	300	2·3	260	2·1	255	2.5	260	2•0	2•7	16
265	7•3	270	7•1	270	5•8	270	5•5	280	5•1	290	5•5	315	5•0	300	4•9	315	3·2	-295	2·0	280	1.8	275	1•6	4•1	17
245	4•9	265	3•7	270	5•0	305	5•1	305	3•2	290	1•8	280	2•1	260	2•2	255	2·3	230	1·8	250	2.1	250	1•6	3•0	18
225	5•5	220	7•0	225	7•4	210	6•5	210	4•3	210	5•5	210	5•6	205	5•1	210	5·1	215	5·0	215	4.6	210	5•0	4•2	19
220	6•4	235	4•9	255	6•0	290	6•0	315	5•8	305	4•8	325	5•9	315	4•4	300	3·2	290	3·3	290	3.4	280	3•0	4•7	20
275	4•9	275	4.9	275	4.6	270	5•0	270	4•6	275	4•4	260	4.3	275	3•1	270	2•7	265	2•7	270	3.0	265	2•5	3•7	21
275	1•5	250	1.9	240	1.8	255	2•0	250	1•7	235	1•8	275	1.0	245	1•2	230	1•5	215	2•1	210	2.5	220	2•3	1•6	22
185	2•1	210	2.5	190	2.0	190	2•3	190	2•5	170	2•6	200	1.5	190	1•1	185	0•1	345	0•1		0.0	205	0•6	1•4	23
35	4•3	30	4.1	45	4.0	30	5•4	30	6•1	40	5•9	70	5.2	95	2•9	95	2•8	65	3•1	45	4.5	40	3•8	2•7	24
40	5•5	30	4.0	30	3.7	5	3•6	15	3•6	15	3•6	110	3.1	110	2•3	115	1•9	130	1•0	30	0.1	335	0•8	3•2	25
325	3•5	325	3·3	325	3•2	320	3•1	325	3•0	335	3•9	355	3•4	360	3•2	15	1.5	25	0•3	180	0•4	220	1.1	2.5	26
250	6•1	255	6·3	255	6•6	265	5•5	265	6•5	265	6•0	260	6•2	265	5•3	260	5.0	255	4•0	240	3•4	240	5.0	4.2	27
285	5•3	285	4·9	280	5•4	270	4•8	260	5•3	280	5•1	290	4•9	300	3•9	310	2.9	300	3•5	280	2•5	230	2.5	4.2	28
335	4•3	335	4·4	335	4•3	325	4•8	340	3•4	325	4•3	325	4•3	330	4•1	335	3.6	15	2•8	45	3•7	50	3.0	3.8	29
15	3•4	20	3·3	5	3•5	20	3•9	20	4•0	25	4•1	25	3•6	40	3•3	560	5.2	70	4•8	95	4•3	125	2.0	2.7	30
30	2.8	25	2·5 4·2	10	3·0 4·3	55	3·3 4·3	25	3·3 4·1	30	3·3 4·0	65	3•6	180	4•5 3•5	185	3.2	195	2.9	165	2.6	120	2•5	1•9	31
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AUGUST, 1935

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o 35	m/e	0	m/s 1•5	0	m/s 2•3	0	m/s	0	m/s	0	m/s	0	m/s	0	m/8	0	m/s	0	m√s	0	m/s	0	m/s	m√s	١.
55	1•5 5•1	50 45	5.0	40 45	4.6	25 45	2•5 4•5	55 55	2•5 3•6	155 90	2•7 3•0	150 110	1•5 2•9	125 120	2•6 3•2	125 120	2•6 2•4	105 125	2•5 1•4	130 120	1•9 0•6	125 105	0•8 0•2	1.6 2.3	1 2
350	1.9	340	2-0	355	2.5	15	1.6	360	1.3	75	2.6	90	2.3	95	2.3	95	1.8	100	1.5	105	0.5	140	0-7	1.1	3
240	2.2	275	1.5	205	3•5	205	4.0	220	4.2	215	3.7	210	3.0	210	2.4	215	1.8	225	1.6	210	0.8	220	1.0	1.8	4
210	1-6	140	1.3	265	1.2	215	1•4	31.5	1.1		0-0	315	0•5	315	0-2	275	0-8	245	0-9	225	1.0	230	0-4	0.7	5
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30 40	2.6 1.5	20 175	2•1 1•6	50 220	1•6 2•0	40 325	1.5 2.0	15 340	1.6 0.9	270	1.0 2.5	345 210	0.7	45 195	1.2	185	2.0	205	1.9	225	0.1	200	0.1	1.1	6
135	2-6	125	3.6	140	2.7	120	3.3	100	3.8	100	3.5	85	4·0 2·8	95	3•0 2•9	195 85	2•4 2•5	215 150	1.6 2.4	210 175	1.2 1.5	190 215	1•5 1•3	1.5	7 8
320	3-3	315	3.4	315	3.4	285	3.4	310	3.8	305	3.8	305	2.9	265	1.1	245	1.9	280	1.5	345	1.5	330	1.2	2.5	9
225	5•9	225	6.1	230	5.0	240	4-9	220	5•6	225	5•9	225	5.1	225	3.7	225	3•0	225	3•3	230	2.3	230	2.3	3-2	10
	!						[												- 1	j	- 1	1			1
225 20	4·0 3·9	230 25	3•9 3•5	240 10	3·8 5·4	230 15	3·7	235	3.5	230	3.0	225	2·5 6·2	210 35	2.3	205	2.3	215	2.5	215	2.2	230	2.2	2-8	11
25	7.1	15	6.5	10	6.5	15	6.1	20	7•6 5•2	15 25	6·5 4·8	20 30	4.0	40	5•4 2•5	30 45	5•4 1•4	25 40	5·0	35 325	6·0	30 325	5•6 1•1	3•4 4•9	12 13
295	3.0	290	3.8	300	3.3	305	2.5	310	2.4	330	1.8	10	0.8		0.0	255	0.3	310	2.5	315	2-1	305	0.5	1.8	14
350	0.7	40	0.8	310	1.5	265	1.6	245	2.4	260	1.8	245	1.0	225	0.5	210	1.4	225	1.5	270	ĩ·5	245	1.6	1.2	15
											!						!	1	J	}		]			
260 240	2.4	350 240	1·5 3·0	50 245	1.0 2.7	260 240	1·5 2·4	265 220	1.9	260	3.1	235	1.8	230	1.9	230	2.1	230	2.4	230	2.1	235	2.2	1.7	16
265	3.2	260	2.9	225	4.1	215	3.5	230	1·3 3·5	140 240	1·0 3·8	170 235	1·9 2·0	175 220	2.1	210	2·2 1·9	220	2.5	225	2·2 1·9	225 205	1.7 1.5	1.7	17 18
245	2-7	270	3.3	260	3.4	240	2.9	230	2.5	230	2.1	225	1.9	220	1.8	235	1.8	210	1.9	220	2.1	225	1.3	2•3 2•1	19
220	1.5	160	1.6	180	1.9	160	2.6	135	3•3	165	3.7	165	4.2	160	2.4	160	1.9	135	1.2	55	0.1	75	0.9	1.6	20
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185	5-0	170	6.2	175	5.8	180	5.0	190	5•0	190	3.9	185	3.0	160	1.0	130	0.1	90	0.7	85	1.2	85	1.5	2•5	21
180 35	5•0 1•0	180 95	5•8 3•2	185 175	6•8 6•5	200 175	6·6 4·3	190 165	5•2 4•4	195 180	4·9 3·0	195	3·5 2·9	180 175	2·0 2·1	195	2•0 2•4	225 115	2.0	230	1.4	220	1.2	2-9	22
265	1.6	210	3.3	220	3.3	200	3.9	200	3.6	195	5.1	200	2.9	200	2.0	190	1.0	185	0.9	125 185	0.7	115 195	0·5 1·5	2•0 1•9	23 24
175	2-1	180	2.5	185	2.1	160	3.1	220	0.8	235	0.8	195	0.9	245	0.8	250	0.8	295	0.6	335	1.4	195	1.2	1.2	25
	ł	i					- 1																		
240	2•4	235	2-8	220	3•0	225	3•2	190	2•7	235	3•0	225	3.0	200	3-1	195	3-2	195	3•4	195	3•7	200	4-9	2•2	26
290	3-0	285	3.0	290	4.5	285	4.7	260	3•2	270	3•5	265	2.0	235	1.7	240	2.1	220	2.0	225	2.0	225	2.2	3•6	27
235 225	2•0 3•4	275 275	1.7 3.1	245 260	1.8 2.5	245 265	2.6	255 285	3•2 3•5	330 280	2·8 3·0	280	1.8 2.0	260 230	1.0 2.2	245 250	1·1 2·0	240	1.2	245	1·3 2·5	230 225	1.0 2.8	1.4	28
205	7•3	195	5•0	180	4.3	115	2.6	100	4.3	80	4.9	130	2.6	230	2.1	220	4.0	225	5.5	230	4.7	230	4.4	2•3 4•0	29 30
							~ ~	200	•	"		100	~ ~	200	~ 1	~~~	- 7	~~~	اٽٽا	200	- T '		7.7	J	<u>~</u>
230	6-1	220	7-9	210	8•5	215	8•6	210	7-9	210	7•0	215	6.2	220	5•5	215	5•5	220	3•8	220	3•5	215	3•5	<u>5-9</u>	31
	3-2		3•3		3•6		3•5		3•4		3•3		2•7		2•2		2.1		2-1		1.8		1.7	2-3	
   10	-,-	l	7.	٦,	7.	7.5	7.0																		<u> </u>
12 .	- 13	13 -	- 14	14	- 15	15	- 16	16 .	17	17	- 18	18	- 19	19 -	20	20	- 21	21 .	- 22	22 .	- 23	23	- 24	Mean	Day
<del></del>						<del></del>																			

WIND: DIRECTION AND SPEED

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

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

Ha (height of vane of anemometer characters are not an employed as a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second

Hour G. M. T.	0	- 1	1	- 2	2	- 3	3	- 4	4	<b>-</b> 5	5	- 6	6	- 7	7	- 8	8	- 9	9	- 10	10	<b>-</b> 11	11	- 12
Day 1 2 3 4	215 200 200 230	m/s 3•5 3•5 2•8 2•8	220 210 210 200	3.6 4.6 2.7 1.8	95 205 220 200	m/s 3•0 4•6 3•0 0•9	205 210 210 190	m/s 2.0 5.2 2.6 1.3	90 210 210 180	m/s 1.0 4.1 2.3 1.0	90 220 220 190	m/s 1.5 4.5 2.2 1.6	185 225 220 210	m/s 1•7 3•4 2•3 1•1	195 210 235 220	m/s 2.5 5.1 3.7 1.6	180 210 230 210	3.0 5.5 3.6 1.9	160 215 205 185	m/s 3·2 6·0 5·0 2·0	230 220 270	1/8 4·1 5·1 5·5 1·6	185 220 220 270	3-9 5-7 6-1 3-4
5 6 7 8 9	310 300 50 85	2•6 1•3 0•5 3•0 2•1	235 290 300 35 70	2•5 2•0 0•7 2•1 1•3	215 270 310 35 70	2•4 1•8 0•5 2•0 0•8	225 260 280 50 75	3.0 1.6 0.2 2.0 2.1	255 275 60 70	2.9 1.6 0.5 1.8 2.1	220 255 275 40 60	3.0 1.7 0.2 2.4 1.8	250 270 40 50	1.6 1.7 0.2 1.3 0.9	220 270 290 60 70	2.5 2.1 0.2 2.2 1.3	310 335 80 90	3·1 0·3 3·0 2·3	305 350 90 120	2·8 3·5 1·1 4·0 2·4	305 30 135 120	2.8 3.3 1.3 3.9 3.0	315 10 125 115	3•6 1•9 3•4 4•1
10 11 12 13 14 15	115 70 200 180 210	0.8 1.7 1.3 4.5 1.9 3.5	360 115 65 205 190 200	0.5 0.2 1.0 4.3 1.9	55 145 55 215 190 190	0•3 0•5 1•0 5•9 3•2 3•0	195 85 210 205 185	1.8 0.7 1.3 5.0 3.0 3.1	330 90 200 190 170	1.6 0.4 1.3 3.9 2.9 2.6	30 75 200 195 180	1.4 0.5 1.2 5.0 2.4 2.8	355 80 85 200 195 170	1.0 1.4 5.1 2.9 3.0	35 110 90 225 210 170	1.0 2.5 4.5 4.5	110 155 130 240 215 175	0.5 0.6 1.8 4.8 6.4 5.9	175 165 260 225.	2·2 2·3 2·9 5·7 7·1 6·4	90 165 160 260 220 180	2.4 3.5 3.3 5.1 7.1 5.0	170 180 250 230 190	2-9 3-9 3-2 5-5 8-7 4-9
16 17 18 19 20	220 205 235 205 220	5•6 12•9 5•6 7•4 7•3	220 210 235 200 215	6.0 14.0 5.1 8.3 8.0	225 210 230 200	5.0 16.1 3.9 9.2 6.6	220 215 230 200 215	5•Q 14•4 4•5 9•6 5•1	220 230 230 210 210	4.9 11.1 4.9 9.5 5.9	225 230 240 220 210	4·2 12·5 5·0 9·4 3·9	220 230 245 220 210	4.8 12.0 4.9 8.8 2.4	225 235 240 225 215	5·1 10·2 5·6 8·6 5·0	235 230 245 225 225	6.6 10.0 5.6 7.9 6.1	235 235 250 230 230	7.9 10.2 6.4 9.5 6.0	235 240 245 245 245 225	6.9 11.4 5.9 9.6 6.0	225 250 250 245 245	7.0 9.9 6.2 10.4 3.2
21 22 23 24 25	65 250 205 270	0.0 2.2 2.0 1.1 5.6	250 80 250 200 295	0.1 2.2 2.5 0.5 6.4	340 80 250 210 310	0.2 2.3 2.9 0.6 5.1	295 105 240 220 305	0.2 1.9 2.2 0.2 4.9	350 165 220 190 315	0·3 1·7 2·0 0·9	55 215 220 185 305	0·3 3·9 1·9 1·2 3·3	70 225 225 180	0.2 5.4 1.5 1.3	80 230 230 165 305	1.4 3.7 1.5 1.5	95 255 260 155 315	3.5 3.2 2.8 3.1	125 210 265 170 325	3•3 4•0 2•8 4•0 5•3	135 255 275 200 320	2.6 6.4 3.2 6.0 5.1	115 255 280 205 315	1.9 6.2 3.8 5.2 5.0
26 27 28 29 30	225 205 160 315 210	1.0 3.5 1.4 0.1 6.2	220 190 160 195 200	1.0 4.1 2.0 1.0 6.5	225 205 170 180 195	1.1 3.0 2.4 0.9 5.5	235 210 180 210 205	1.0 3.1 2.0 0.8 5.9	225 210 180 210 215	1.1 3.7 2.8 0.3 4.9	215 215 195 325 215	0.5 3.9 2.6 0.3 4.9	230 225 170 355 215	1.0 3.8 1.6 3.5 5.0	220 225 175 20 210	0.5 4.2 2.0 4.9 6.3	225 235 175 20 230	0.6 3.3 3.9 4.1 6.1	190 230 180 320 270	0•7 3•8 2•8 5•0 6•4	195 225 180 315 255	1.5 3.4 3.3 4.9 6.0	205 220 195 310 275	1.6 3.8 2.9 5.0 4.7
Mean		3•3		3•4		3•3		3•2		3•0		3•0		2•9		3•4		3-9		4•5		4.6		4•7

520	KEW	OBSEDVATORY.	П	=	5	matras	+	23	metres

30 31	230 230 225	3·8 3·1 7·9	225 225 220	3·1 8·6	255 225 215	4•2 8•5	265 225 215	5•2 4•5 6•4	255 220	5.0 3.5 4.8	255 215 250	5•4 4•3 3•9	245 215 220	4•9 5•1 5•5	245 215 215	4.6 5.6 6.4	245 215 205	4•9 6•5 7•1	250 215 215	7•3 6•7 7•3	245 225 218	7•7 8•4 8•5	245 220 215	7·0 9·1 8·8
26 27 28 29	230 235 260 250	1.0 3.4 6.1 3.8	220 245 265 255	1.2 3.4 6.1 4.6	240 260 270 255	1.0 4.5 5.9 5.0	215 265 265	0.8 5.2 6.5	230 265 270 255	0·7 5·5 5·7	230 265 270	0•7 5•0 4•6	245 265 270	0.6 4.5 3.5	235 265 285	0.5 4.6 3.5	230 265 295	0•5 6•6 4•0	250 265 300	0•5 6•0 3•9	225 260 295	0.8 6.1 4.2	230 260 310	1·2 7·9 3·6
21 22 23 24 25	300 225 85 100 20	1.4 3.0 1.2 1.5 2.5	300 230 80 115 35	1.4 2.5 0.9 1.8 2.5	265 245 75 90 30	1.0 1.1 1.0 1.5 2.6	240 325 80 90 20	0.8 1.3 1.0 1.8 2.2	200 340 80 90 15	1.5 2.4 0.4 2.6 2.0	240 350 80 85 45	1.2 1.9 1.4 2.3 2.2	255 335 100 80 10	0.9 2.0 3.0 1.6 2.0	260 360 105 80 35	1.4 3.4 2.0 1.6 1.4	275 20 125 100 40	1.4 4.6 2.2 2.4 1.0	290 20 160 90 10	1.5 3.9 3.1 2.9 1.8	330 25 165 95 20	3.0 4.4 5.6 4.0 3.5	345 20 170 95 30	3·4 3·4 5·7 5·3 3·2
16 17 · 18 19 20	220 15 230 220 260	3.9 1.1 3.9 10.0 5.9	230 285 235 225 255	2•8 0•7 3•6 10•0 5•6	230 295 245 225 260	3•5 0•7 3•4 11•4 4•9	225 260 275 225 275	4.0 0.6 2.3 10.0 4.1	225 330 300 230 285	3•9 1•4 3•0 8•4 4•0	240 330 300 275 295	2.8 1.5 3.7 9.1 3.3	230 230 280 270 310	3•0 0•6 2•0 7•6 2•9	225 240 255 255 255 320	3.5 0.6 1.7 7.4 2.5	225 240 255 250 355	4.5 1.5 2.6 6.9 4.1	220 235 270 265 355	4.5 2.9 1.7 9.1 5.7	225 260 280 255 360	3.9 3.9 2.1 9.0 6.0	225 250 265 265 355	4.6 3.7 3.1 10.6 7.1
11 12 13 14 15	225 235 230 210 230	3•9 1•5 1•7 3•5 1•4	230 235 210 210 235	2.9 1.7 1.5 3.5 1.5	245 220 235 210 230	2•2 1•6 0•5 3•4 1•4	240 220 235 215 215	2•4 1•7 0•8 3•6 1•9	235 225 240 220 215	2•3 1•6 0•4 4•0 2•8	230 210 235 210 215	2.8 1.4 0.8 3.1 2.9	230 225 215 210 215	3•1 1•5 0•6 2•5 3•2	235 220 215 220 215	2.9 1.2 1.0 2.6 3.0	245 235 195 215 220	3•4 2•0 1•5 2•6 3•5	240 225 205 225 235	3•7 2•1 2•0 3•7 3•4	235 235 215 225 235	5•5 2•6 2•7 3•9 3•4	245 245 220 235 240	5•7 3•5 3•5 3•2 4•1
6 7 8 9 10	190 245 200 225 220	1.0 0.5 2.3 4.0 10.2	205 240 185 235 225	1.0 0.5 2.0 3.3 10.0	230 245 200 240 220	0·1 0·5 1·9 3·0 8·9	220 245 185 230 220	0•5 0•6 3•0 3•9 8•0	230 235 190 225 220	0.5 0.5 3.5 3.3 .8.6	285 270 190 215 235	0.9 0.5 3.9 3.4 7.3	255 240 190 215 250	0.5 0.4 4.0 3.9 5.0	255 240 190 225 255	1•4 0•5 4•8 3•8 6•0	280 280 195 215 285	0-9 0-3 4-9 3-6 4-5	210 235 215 215 290	0.8 0.1 5.8 5.0 5.3	255 195 210 220 285	0.6 0.5 6.1 5.6 6.9	310 195 205 225 275	1•4 0•7 5•0 6•8 8•2
Day 1 2 3 4 5	220 285 220 65 170	m/s 4·5 2·6 3·1 2·5 3·5	215 265 210 80 180	m/s 4·0 2·5 2·8 2·9 3·5	220 260 215 85 195	m/s 4·1 1·7 3·2 2·9 3·4	215 260 220 85 195	m/s 3·5 2·5 3·5 3·7 3·2	220 255 220 85 190	m/s 4•7 1•6 2•4 3•0 2•5	220 220 220 100 200	m/s 4·4 1·5 2·0 2·9 1·6	220 220 185 155 235	m/s 4·3 1·8 1·5 2·1 1·6	225 230 190 170 235	m/s 5·6 2·1 2·0 2·2	230 210 190 170 220	m/s 6•3 1•3 3•7 3•2 3•0	230 185 185 185 215	m/s 6·9 1·6 3·9 3·0 4·0	235 195 175 160 215	m/s 6.5 2.4 5.1 3.1 3.5	235 190 185 160 220	m/s 6·6 3·0 3·5 3·1 4·8

M.S.L. + ha (height of anemometer above ground) = 5 metres + 23 metres

SEPTEMBER, 1935

12	- 13	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20 -	- 21	21	- 22	22	- 23	23	- 24	Mean	Day
0 165 225 225 280 280	■/s 4·3 6·5 7·5 2·9 3·8	160 210 215 275 250	m/s 4·5 7·4 6·5 4·1 3·9	130 215 215 215 255 260	m/s 2.8 7.8 7.5 4.1 5.0	0 135 215 220 260 265	m/s 3·6 9·3 7·7 4·4 5·0	0 155 280 225 280 255	m/s 4.0 3.3 7.1 4.6 5.3	0 140 235 220 280 260	m/s 3·2 2·9 5·9 3·0 3·5	o 120 215 215 240 240	m/s 2.0 5.2 4.5 2.8 2.5	90 210 205 245 235	m/s 1.7 4.1 3.0 3.2 2.1	0 105 210 215 255 260	m/s 1.8 4.3 3.3 3.6 1.0	0 140 215 230 250 345	m/s 0·5 3·5 2·5 2·4 2·0	0 160 205 210 245 90	m/s 1.5 2.8 3.0 2.1 1.4	0 185 200 215 240 345	m/s 3·2 2·8 2·7 2·8 2·1	m/s 2·8 4·9 4·3 2·5 2·9	1 2 3 4 5
300 55 125 80 120	3.0 1.9 3.2 2.9 3.9	285 20 160 130 145	3•7 3•5 3•5 2•7 3•1	290 5 160 110 140	3•8 3•4 3•9 2•5 3•3	270 10 170 140 170	4.0 4.3 3.7 3.1 3.0	275 10 160 200 170	3.6 3.2 3.4 2.5 3.3	280 25 165 200 150	2.6 3.3 2.7 1.2 2.6	285 15 120 220 125	1.5 1.8 2.1 0.3 2.5	265 30 110 360 115	1·1 2·1 2·0 0·2 2·0	320 50 95 120 100	0.5 4.2 2.6 1.8 2.1	330 55 105 105 120	1•4 4•0 2•3 4•0 2•4	25 60 100 95 120	0•3 4•0 2•4 2•3 3•4	350 50 90 110 100	0.6 3.2 2.7 0.7 2.6	2·2 1·9 2·7 2·0 2·1	6 7 8 9 10
165 170 255 230 230	3.5 4.9 5.5 9.2 5.5	155 185 240 240 225	3·6 5·0 5·1 6·5 5·0	155 210 235 235 220	4·1 6·0 5·1 6·8 6·6	170 200 230 235 230	4.0 5.0 4.8 7.0 6.5	170 190 220 230 230	3•4 4•4 6•1 7•5 8•0	160 200 220 220 230	3·5 4·5 5·3 7·6 <b>6</b> ·4	165 195 215 220 240	2.5 3.2 5.0 7.5 6.6	140 205 205 225 230	1.7 3.8 3.5 5.6 5.2	115 190 205 220 230	0.5 2.1 3.2 5.2 5.0	90 185 195 220 235	1.4 3.0 2.9 5.5 5.5	80 175 190 220 230	0.5 3.1 2.6 4.1 5.0	80 185 195 215 225	1.6 3.3 2.4 4.0 5.0	1.9 2.9 4.6 5.4 4.9	11 12 13 14 15
225 250 245 250 215	5•4 9•0 7•1 11•5 6•5	215 245 255 250 215	7.8 9.5 6.2 11.6 7.1	215 250 245 250 220	8·1 10·1 4·7 10·5 6·0	200 250 235 250 225	7·1 8·5 5·2 10·0 5·6	185 255 235 245 255	5.0 8.4 6.1 8.5 3.0	185 250 230 245 280	7·1 7·2 4·0 6·6 2·6	185 240 240 240 280	8•8 5•4 3•6 5•8 1•7	180 230 220 240 270	9·3 5·2 4·8 5·9 1·5	175 225 220 235 270	8•8 5•9 6•0 6•8 0•5	180 230 215 235 245	10•7 5•8 6•8 5•6 0•6	195 225 200 225 235	10.0 6.0 5.6 6.0 0.4	210 225 205 220 200	10·6 5·9 7·2 5·9 0·2	7.0 9.7 5.5 8.5 4.2	16 17 18 19 20
120 270 285 200 305	2.5 5.8 4.9 4.7 4.6	130 275 270 185 295	3·1 5·6 4·3 3·6 4·1	130 270 270 190 315	2-9 5-0 4-0 4-4 3-9	160 270 260 180 300	3•6 4•1 3•4 5•8 3•6	155 260 270 185 295	3.2 3.8 2.7 6.2 3.4	245 255 200 295	1.9 4.9 2.1 7.3 2.5	120 245 240 210 270	2.2 4.1 2.0 7.2 1.4	100 250 225 220 265	2.9 4.4 1.9 5.9 1.3	90 245 235 240 255	3.5 3.9 1.6 4.9 1.0	90 230 215 245 245 245	2.9 0.9 4.9 0.6	80 240 210 245 260	1.5 3.4 1.5 4.7 0.6	45 250 205 270 245	1.9 2.4 1.1 6.5 1.0	1.9 3.9 2.5 3.8 3.6	21 22 23 24 25
210 225 185 270 270	2•5 3•6 3•2 4•0 4•5	195 225 190 270 255	2•4 4•1 4•8 3•0 4•5	230 180 265 240	1.5 3.8 4.4 3.4 3.9	170 225 205 250 235	1.6 3.1 5.1 3.7 4.4	205 190 230 225	4•4 3•5 3•4 4•2	200 215 200 215 235	3.8 3.8 4.5 4.5	210 190 220 220	3•0 1•6 5•2 3•0	225 200 220 220 225	2.0 1.8 4.6 3.1	215 215 200 225	2.6 2.1 3.6 4.1	225 210 200 225	2•2 1•1 3•5 3•6	220 205 205 205 225	1.8 0.9 4.3 4.2	185 160 210 225	1.0 0.2 4.6 4.0	3.3 2.6 3.3 4.9	27 28 29 30
	4•9		5•0		5•0		<u>5-0</u>		4•6		4.1		3•6		3•3		3•3		3•2		3•1		3•2	3•8	

OCTOBER, 1935

																							والمتاك		
o 230 195 180 145 220	m/s 5.3 4.0 4.0 3.2 4.5	0 210 185 170 140 215	m/s 6·4 4·0 3·0 4·4 6·5	0 225 185 155 140 215	m/s 7-0 3-8 3-0 2-7 4-6	225 180 150 145 220	m/s 7·3 5·0 2·5 3·4 4·9	230 180 140 155 215	m/s 6·0 4·9 2·3 2·3	230 170 125 160 200	m/s 4·1 5·0 1·1 2·9 3·5	0 240 155 85 145 210	m/s 3·5 6·1 1·5 2·5 3·5	250 160 125 140 200	m/s 4·8 7·2 2·3 3·1 3·1	0 265 180 90 130 200	m/s 4·4 6·0 2·0 2·5 2·3	275 230 90 130 195	m/s 4•4 3•9 2•3 1•8 2•2	280 210 85 150 205	m/s 3·6 3·6 3·2 3·7 1·4	275 215 65 150 200	m/s 3·6 3·8 1·9 3·4 0·6	m/s 5•1 3•4 2•7 2•9 3•2	1 2 3 4 5
305 230 210 225 270	1•4 1•5 5•1 7•5 8•9	235 265 230 220 265	1-2 1-6 4-4 9-0 7-9	215 290 245 210 255	2•8 1•3 5•0 8•4 8•8	220 235 245 205 265	1.8 1.0 4.4 7.1 6.8	225 235 265 195 255	1.5 1.6 3.4 6.9 7.5	220 215 235 195 245	1.0 2.0 2.5 8.1 5.9	290 205 220 200 240	0•3 2•3 3•8 8•8 3•9	230 200 230 205 225	0•8 2•6 3•9 9•4 3•9	245 205 225 215 225	0•6 2•9 4•4 9•9 5•6	300 200 225 220 225	0.8 2.0 4.1 10.0 4.4	200 190 225 220 225	1.1 1.9 4.1 10.5 3.4	235 190 225 220 225	0•7 2•1 5•0 9•0 3•3	1.0 1.2 4.1 6.4 6.6	6 7 8 9 10
275 275 225 235 235	4·1 3·1 3·7 2·5 3·9	275 245 225 235 235	3•7 5•1 3•2 2•4 5•0	285 265 225 235 230	3•4 3•8 4•9 2•5 3•9	250 250 230 245 225	3•9 3•5 3•4 1•6 4•8	240 255 225 235 220	2.5 2.3 3.0 1.8 5.2	235 240 220 235 215	2.5 1.5 3.1 1.5 5.0	245 250 210 230 215	2.9 1.1 2.9 1.5 5.0	240 205 215 205 205 220	1.8 1.3 2.4 1.2 6.0	255 205 205 200 225	2.0 1.5 2.8 1.5 4.8	245 205 200 210 225	1.5 3.3 1.6 5.5	240 220 205 240 225	1.5 1.4 2.8 1.4 5.0	240 225 210 235 230	1.2 1.9 3.5 1.3 4.0	3.0 2.1 2.3 2.5 3.8	11 12 13 14 15
220 245 250 265 345	4.8 3.8 2.9 10.0 5.9	215 245 230 265 345	4.2 4.0 4.4 9.9 6.4	220 245 230 260 350	4.5 4.6 3.9 10.1 6.3	225 245 225 265 350	3•9 4•7 5•6 9•8 5•1	225 225 210 265 350	3.6 4.6 5.8 8.4 3.2	225 235 215 265 335	3•5 3•5 6•5 7•1 2•0	225 235 220 255 330	3·2 4·3 8·4 6·6 1·5	240 235 225 255 330	2·2 3·5 9·5 6·8 2·2	225 255 230 255 330	2•3 4•0 8•0 6•4 2•0	240 235 230 260 330	1.8 4.9 9.9 6.9 2.4	240 225 220 255 330	1.5 4.1 10.1 7.2 1.8	10 230 225 260 310	3·1 3·6 9·9 5·4 1·0	3.5 2.9 4.9 8.5 4.0	16 17 18 19 20
340 20 170 95 20	3·1 2·6 5·1 4·8 3·2	335 30 170 85 20	3·1 1·9 5·5 4·8 3·4	325 15 160 85 360	2.5 1.1 5.5 5.4 3.8	320 15 170 85 360	2.0 1.4 5.5 4.4 3.7	275 5 160 75 345	1.5 1.6 3.9 2.8 2.3	235 340 135 65 345	1.8 1.5 3.5 2.8 1.9	230 15 125 50 330	2·3 2·3 3·3 3·7 1·9	215 50 130 40 335	2·3 1·5 3·2 1·8 1·5	220 90 125 20 320	3.8 1.2 3.4 1.8 1.0	220 95 120 15 320	3.9 1.2 2.5 1.6 1.0	220 165 105 15 305	3.5 1.3 2.4 1.8 0.9	225 95 100 20 230	2.5 1.8 2.5 2.8 0.9	2·1 2·2 3·1 2·8 2·2	21 22 23 24 25
245 260 295 240 215	1.8 8.1 2.8 8.0 9.0	235 265 295 240 220	2.5 8.4 3.6 8.1 10.0	225 265 295 240 215	3•7 8•8 3•4 6•9 9•1	240 260 295 250 220	3.5 9.5 3.3 7.6 10.2	230 260 290 265 220	3•5 7•7 1•5 7•5 10•4	230 255 265 285 215	3•2 7•9 2•2 8•8 10•1	230 260 265 285 225	3•6 7•5 3•0 6•9 9•4	230 260 255 280 225	3•1 8•1 2•9 4•8 8•6	230 260 245 265 220	3•6 7•8 2•8 3•5 8•0	240 255 245 255 215	2·8 7·2 3·1 4·5 10·2	235 255 255 245 215	3.0 7.6 3.2 3.5 10.0	245 260 250 235 215	3•8 7•2 3•3 3•8 10•2	2•0 6•6 3•9 5•8 7•5	26 27 28 29 30
220	9•4	210	6-4	205	8•5	205	10-6	210	10-5	205	9•7	210	8-6	230	7•8	230	5•3	225	4-9	225	4.0	220	4•4 3•6	7•2 3•9	31
	4-7		5-0		5•0		4-9		4•3		4.1		4-1		4-0		3•8		3-8		3•7				
12 .	- 13	13 .	- 14	14	- 15	15	- 16	16	- 17	17	- 18	18	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23	- 24	Mean	Day

418			Direc	etion	expr	essed	in de	W: egree:	IND:	DIREC' n Nor	TION A	and si = 90°	EED S =	= 180°	o, W =	= 270 ^c	), N =	= 360°	P). 8	Speed	in me	etres	per s	secon
521. KEW O	essur	Tube	Aner	nomet	er fr	om Ja	n., 1	926		Ha	(hei	ght	of var	ne of	anemo	meter	abor	7e M.S	.L.)	= hei	ght o	of gro	und	abov
Hour G. M. T.	0	- 1	1.	- 2	2	- 3	3	- 4	4	<b>-</b> 5		- 6		<b>- 7</b> ·		- 8		- 9		- 10		- 11		- 12
Day 1 2 3 4 5	215 100 130 165 65	m/s 3.6 1.1 2.0 0.3 1.4	185 125 85 180 40	m/s 1.8 2.5 0.9 0.8 1.0	0 180 120 110 175 325	m/s 2.8 2.9 2.6 1.5 0.9	0 175 115 100 185 325	m/s 3·2 2·0 1·8 2·3 1·4	155 105 95 175 320	m/s 2·9 2·0 1·5 1·9 1·8	155 155 75 160 270	3.0 5.0 0.9 2.5 1.0	165 155 110 150 215	m/s 4·8 5·5 2·5 3·0 0·8	190 155 105 140 120	7·4 5·2 2·0 3·3 0·2	195 160 100 150 220	m/s 9.5 6.0 2.5 2.6 1.1	190 160 135 135 230	m/s 10·0 5·6 4·5 3·2 1·0	210 165 140 135 235	m/s 6•3 5•5 5•8 3•5 2•2	220 175 140 160 250	m/s 6.5 5.9 7.3 4.0 1.0
6 7 8 9 10	250 190 230 145 185	3·4 1·1 4·0 2·9 6·2	245 200 230 130 185	2.9 0.6 4.0 1.9 5.5	245 90 225 155 185	2.5 0.4 3.8 2.5 5.4	245 55 220 160 180	2.9 0.9 3.0 2.8 5.1	225 65 265 150 180	2.5 1.0 1.5 3.0 5.3	215 70 240 140 170	2·1 1·0 0·5 3·1 6·0	215 75 130 155 165	1.6 1.7 0.3 5.0 6.3	215 55 10 160 165	1.4 1.4 0.3 5.6 7.4	205 85 60 155 165	1.2 2.6 0.4 6.6 8.1	220 80 135 175 175	3.0 2.6 0.5 6.3 7.3	225 90 185 205 185	2.9 4.0 1.9 3.9 7.6	215 90 185 210 185	4·1 4·2 4·4 4·4 6·2
11 12 13 14 15	165 185 165 220 185	2·0 7·6 3·6 3·3	165 180 165 220 180	2•0 7•8 3•5 3•9 7•3	170 165 170 210 180	1.0 7.8 4.4 2.7 6.9	200 170 165 195 175	0•4 7•9 4•9 3•6 7•1	225 200 155 190 170	0.2 6.3 3.7 3.4 7.4	160 250 110 185 160	0-1 2-4 2-5 3-4 6-8	285 235 110 185 155	0.2 3.0 0.9 4.2 6.3	255 235 160 190 140	0.2 2.6 2.0 5.0 6.3	280 230 160 185 155	0.5 3.5 2.5 5.5 6.6	290 250 180 195 170	0.2 3.9 2.5 6.8 6.6	235 145 200 195 180	0.5 3.8 3.5 7.5 6.4	255 240 215 195 175	1.0 4.4 3.6 8.4 5.1
16 17 18 19 20	170 85 255 240 90	2•9 5•9 6•0 3•5 3•5	170 95 245 235 80	3.5 6.0 5.8 4.1 3.5	175 115 250 240 80	3•5 4•4 5•8 2•7 3•8	170 100 245 225 100	2.5 4.3 5.5 2.9 3.2	190 95 250 225 (105)	4•4 5•0 5•8 3•8 3•7	175 85 255 215 (110)	3•7 6•5 5•5 1•3 3•7	185 80 255 215 (110)	3-9 5-9 4-7 0-4 2-8	175 75 255 85 (115)	3.8 5.8 3.9 1.0 3.8	200 60 250 120 110	5·2 4·4 4·5 0·7 3·2	200 40 245 110 105	5·3 3·0 3·7 1·2 3·8	195 335 260 140 95	2•7 3•5 4•4 2•5 5•1	185 315 285 155 90	4.5 4.2 5.0 3.8 5.0
21 22 23 24 25	235 50 30 5 245	2.8 1.6 2.2 2.4 0.3	225 35 40 10 235	3·3 1·4 3·4 4·5 1·4	220 35 40 5 225	1.8 1.3 3.9 3.9	200 10 30 355 240	1.9 1.0 3.2 2.1 0.8	230 15 30 340 225	2.3 1.0 2.9 2.4 1.0	185 25 30 315 235	1.2 2.2 3.1 0.9 0.5	230 40 30 340 230	0•3 2•5 2•3 1•0 1•0	210 50 45 310 260	0•4 3•5 2•0 0•4 0•9	240 40 35 250 215	0.6 2.5 2.9 1.0 0.5	255 40 10 300 250	0-8 2-3 3-9 0-6 0-5	305 40 20 350 230	0.2 2.3 3.8 2.5 1.3	290 45 40 10 240	0.2 2.4 3.8 4.1 1.3
26 27 28 29 30	190 240 195 255 225	1.5 2.9 4.5 3.5 3.5	215 245 190 255 225	1·3 3·3 4·3 4·4 4·3	235 255 195 275 225	1.0 3.2 5.7 3.5 5.0	210 250 210 270 230	1.3 3.4 5.5 2.5 5.9	205 245 225 260 225	2•4 3•6 5•8 2•7 6•2	245 225 220 235 225	1.7 3.4 6.0 2.4 5.5	225 235 230 230 225	2.0 3.9 6.6 3.0 5.7	215 220 230 240 225	4.0 2.5 7.0 3.5 5.8	215 215 230 245 220	4.8 2.2 7.1 3.5 6.3	220 235 235 245 225	5•3 2•9 6•5 3•4 6•5	230 235 230 235 220	5.9 2.6 7.6 3.4 8.3	230 245 230 250 240	6•4 3•7 6•7 3•6 8•6
Mean		3•3		3•4		3•3		3•2		3•2		2.9		3•1		3•3		3•6		3-8		4.0		4.5

522. KEW OBSERVATORY: Ha = 5 metres + 23 metres

522. KEW OF	SERVA	IONI		la =	o meti	res +	2) me	cres																
Day 1 2 3 4 5	260 265 255 250 80	m/s 5•6 5•5 4•3 3•3 2•3	245 255 260 250 100	m/s 5•6 4•9 3•3 3•4 2•8	235 255 245 245 255 95	m/s 5•4 5•0 2•5 4•2 3•2	235 255 240 245 45	m/s 7.0 5.0 4.1 3.5 3.9	245 255 220 255 45	m/s 6•5 4•5 3•5 4•8	255 255 220 245 40	m/s 6•4 4•8 3•4 3•5 3•3	265 260 215 245 40	m/s 8.5 5.0 2.3 4.0 2.6	270 255 220 260 25	m/s 5•4 4•5 2•0 4•1 2•5	255 250 225 285 40	m/s 3·9 5·1 2·1 5·4 2·8	245 260 235 290 40	m/s 4·7 5·1 3·3 6·7 2·6	260 275 220 295 10	m/s 5·7 7·2 2·3 4·2 1·1	265 275 250 295 330	5.8 8.8 3.3 5.0 1.4
6 7 8 9 10	210 335 240 280 25	2·3 1·0 3·1 3·0 5·8	215 350 240 285 15	2•4 1•0 2•6 2•5 5•9	225 315 230 295 20	2.3 0.6 2.0 1.0 7.3	230 350 225 255 30	2.2 0.5 1.2 0.9 7.4	235 290 245 250 20	1.8 0.3 2.2 1.3 6.0	225 320 260 335 30	3.0 0.5 3.1 2.0 6.5	195 335 245 355 40	1.6 0.9 4.2 2.8 7.9	210 325 245 360 35	1.4 2.0 3.4 4.5 9.3	220 345 215 5 25	1.0 1.1 2.3 5.1 8.5	200 360 215 10 20	1.5 0.1 3.5 4.9 9.6	180 125 255 360 30	1.4 0.4 2.9 6.3 9.7	130 240 260 15 35	0.8 1.0 3.5 6.0 10.0
11 12 13 14 15	40 65 20 10 130	8·5 7·2 3·8 2·1 0·9	45 60 20 15 120	7.6 5.6 3.8 2.1 1.4	45 55 30 15 115	9.8 6.1 3.8 2.5 1.4	45 65 40 10 115	8·8 7·0 5·2 2·5 1·7	40 55 60 15 115	9·2 6·2 7·3 1·6 1·6	45 50 65 15 145	9•0 5•2 7•1 2•0 0•6	50 55 95 20 190	8•7 5•6 4•9 2•1 2•2	50 50 60 35 200	8.0 6.4 2.2 2.0 3.0	55 50 10 45 210	6.5 6.3 2.4 2.8 4.3	55 60 10 55 210	6.8 6.5 2.8 3.0 3.8	55 55 20 40 215	6.8 6.0 2.4 2.5 3.5	55 55 10 35 230	8.0 6.0 3.4 1.6 3.1
16 17 18 19 20	220 200 290 85 330	6.0 1.7 2.1 3.0 2.4	225 215 310 75 330	7.5 1.6 2.3 2.9 3.0	255 230 315 70 320	9·2 1·0 2·5 3·0 2·0	245 220 310 70 310	5.8 1.3 2.0 3.5 1.5	245 230 330 60 , 285	4.8 1.5 2.6 3.1 1.4	240 230 270 50 265	4.2 1.0 1.0 2.4 1.0	240 350 230 40 290	5.5 0.5 2.1 2.3 1.0	245 310 230 50 265	7.8 0.3 1.9 2.9 1.4	260 10 220 35 250	9.0 0.2 1.4 2.0 1.6	265 350 230 25 230	9.7 0.3 1.9 1.0 1.6	275 305 230 30 225	10.0 0.2 1.8 1.8 2.5	275 320 225 30 230	12.0 0.5 2.1 2.0 1.9
21 22 23 24 25	265 225 225 90 110	1.2 2.5 1.4 4.2 3.2	255 220 265 90 105	1.8 2.5 0.4 5.1 3.0	270 220 270 95 85	1.6 1.8 0.1 5.2 2.0	265 230  90 80	1.5 2.3 0.0 5.4 1.5	255 230 330 90 90	1.5 1.5 0.6 7.0 1.5	235 220 355 90 140	2•4 1•6 0•6 6•1 2•0	225 240 300 90 200	2·1 1·9 0·3 7·6 2·5	240 220 360 95 200	2.0 2.0 0.2 5.9 1.9	245 230 330 110 205	2.0 0.4 0.1 4.4 2.5	255 260 360 110 205	1.9 0.6 0.1 4.5 4.4	250 235 250 95 (195)	1.4 1.4 0.1 4.3 4.7	250 240 270 95 (195)	1.0 2.1 0.3 4.8 5.5
26 27 28 29 30	(140) 195 100 230 185	6•3 6•3 2•0 0•5 9•1	(140) 190 120 220 195	5.5 5.5 2.3 1.0 9.8	(140) 180 90 215 195	5•5 6•0 3•3 1•3 8•0	(140) 180 95 170 200	5•0 7•3 4•8 0•5 5•5	(140) 170 105 215 200	3•4 6•5 3•9 1•8 4•8	(140) 145 140 225 200	4•8 6•5 • 3•3 2•3 7•0	(130) 145 180 210 195	3.5 8.0 4.4 0.4 7.5	140 155 190 195 195	3.6 8.1 4.2 1.5 6.0	150 165 190 175 185	4.2 7.7 4.0 2.1 6.5	165 170 190 180 190	4•0 7•4 5•0 2•7 8•5	190 170 190 200 185	5•1 6•5 4•8 3•5 6•4	200 170 200 205 185	4•8 6•0 3•6 3•8 6•6
31	240	8•4	245	7•5	240	6•9	235	5•5	230	5•2	220	5•2	195	3•5	190	3•5	190	5•3	185	6•5	190	7-9	195	7•4
Mean		3•9		8•8		3•8.		3•7		3•6		3•6		3•8	••-	3•7		3•6		4•0		4•0		4-3
Annual Mean		3•2		3•2		3.2		3•2		3•2		3•3	-	3•4	44.5	3•6		3•9		4•3		4•6		4•8
Hour G. M. T.	0 -	- 1	1	- 2	2	- 3	3	- 4	4	- 5	5	- 6	6	- 7	7	- 8	8 -	- 9	9 .	- 10	10	- 11	11.	- 12

M.S.L	+ h	a (h	eight	of a	nemom	eter a	above	grou	nd) =	5 me	tres	+ 23	metre	s								тои	VEMBE	R, 19	<b>3</b> 5
12	<b>- 13</b>	13	- 14	14	- 15	15	- 16	16	- 17	17	- 18	1.8	- 19	19	- 20	20	- 21	21	- 22	22	- 23	23 -	- 24	Mean	Day
230 185 150 155 255	m/s 5•4 4•9 7•0 6•2 0•5	0 245 185 145 140 300	m/s 5•6 5•0 6•5 5•7 0•2	245 185 145 145 250	m/s 3•0 5•4 6•9 6•0 1•8	220 180 140 140 230	m/s 2·9 5·0 6·0 4·5 1·6	210 175 135 110 225	m/s 2·8 4·5 5·8 3·4 1·4	205 180 140 100 225	m/s 2.0 4.3 5.6 3.1 1.4	0 185 180 150 100 215	m/s 2.0 3.5 5.8 3.2 1.9	0 170 175 140 85 235	m/s 1.8 3.5 3.9 4.3 3.0	0 170 165 160 90 265	m/s 2•3 2•5 5•4 4•4 4•6	0 160 160 165 85 270	m/s 2.5 2.7 5.0 3.4 3.9	0 105 150 195 60 260	m/s 1.0 2.4 3.6 2.9 3.4	90 145 210 50 260	m/s 1.0 2.9 2.1 1.9 3.4	m/s 3·9 4·0 4·1 3·2 1·7	1 2 3 4 5
200	4•4	200	5•3	195	3•9	195	3•4	200	3•4	190	2•3	190	2.0	200	1.6	185	1.8	185	2.0	190	1.6	190	1.6	2•7	6
75	6•7	55	6•2	45	5•9	25	7•4	10	7•2	335	6•0	315	6.0	300	7.0	275	6.4	265	6.5	260	6.0	260	5.9	4•1	7
185	3•9	180	3•6	175	3•0	160	2•5	120	1•5	130	2•2	140	1.3	160	3.1	140	3.4	120	3.3	125	2.9	145	3.0	4•4	8
215	5•9	215	4•5	215	5•1	210	3•8	195	2•8	180	2•5	175	3.7	170	4.7	145	3.5	175	5.8	190	5.8	185	5.2	4•2	9
185	5•0	190	5•2	220	4•6	210	3•0	195	1•6	170	2•7	230	1.3	160	2.2	185	2.4	170	3.1	155	2.7	180	1.0	4•6	<b>1</b> 0
235	1.9	225	3•4	215	4.6	200	3·1	180	2.8	180	3·2	180	4.2	180	4·1	175	4·1	180	5•3	185	7•4	185	7·3	2.5	11
225	3.5	235	5•0	225	5.0	195	4·8	180	3.6	190	4·4	180	4.2	185	4·0	210	3·5	170	3•5	180	4•0	185	4·9	4.6	12
220	5.0	210	3•5	215	3.4	215	3·6	225	3.6	230	3·7	230	3.8	230	3·7	240	3·7	235	3•4	230	2•9	220	3·0	3.4	13
200	7.8	195	8•0	190	6.9	190	7·2	190	7.3	185	7·8	190	7.5	190	7·5	190	7·5	185	7•5	185	7•8	185	6·9	6.2	14
185	6.4	185	5•8	225	5.3	225	3·8	195	1.9	185	3·0	180	2.8	165	3·5	180	4·2	210	2•5	180	2•7	175	2·6	5.2	15
180	4.0	195	6.0	165	3•3	140	1.5	105	1.6	110	2•2	105	2·2	110	2.8	120	3.6	105	3·2	100	3·1	85	4.5	3.5	16
300	4.9	285	6.5	295	8•1	285	7.5	275	7.3	275	7•7	265	8·2	255	6.5	255	7.5	250	7·3	255	7·2	255	6.6	6.0	17
265	4.4	260	4.0	255	4•7	255	5.2	260	5.1	250	5•4	250	4·7	260	5.0	260	4.9	260	4·8	260	3·9	250	3.9	3.9	18
160	6.1	145	5.6	135	5•5	125	6.3	125	5.5	130	6•2	130	6·1	125	5.4	120	4.3	120	3·4	115	3·2	95	3.2	3.7	19
75	5.5	90	6.2	85	4•1	70	4.4	75	4.4	85	5•9	90	6·3	90	5.7	85	4.3	85	3·0	95	3·0	125	3.8	4.4	20
310	0.2	360	1•1	10	1•4	30	2.0	25	1.5	45	1.5	135	0.9	85	0•5	95	1.1	115	1.0	80	1.3	80	1.5	1.3	21
40	2.2	50	1•4	45	3•9	45	3.8	50	4.2	50	3.7	40	3.7	45	3•6	55	3.5	45	3.5	55	3.2	30	2.0	2.6	22
40	4.9	40	5•1	35	4•5	35	4.9	35	4.2	20	3.5	30	3.9	20	3•5	20	3.5	10	1.5	10	1.6	15	3.0	3.4	23
10	3.4	5	3•0	10	3•5	15	1.6	35	1.5	290	1.4	320	1.5	330	1•3	300	1.0	265	0.6	240	0.7	245	0.9	1.9	24
215	1.8	195	1•5	195	1•0	200	1.5	205	2.2	225	1.5	200	2.4	215	2•0	210	1.6	220	1.5	210	1.1	240	1.0	1.3	25
225	6•7,	230	6•0	230	6•0	225	5•1	225	4.0	225	3.5	240	3.6	225	3.5	240	3.2	230	2.6	230	3•1	230	2.5	3•6	26
245	3•9	245	3•6	250	3•0	245	2•8	240	2.5	230	2.1	210	2.1	210	3.0	205	3.6	210	4.8	200	3•5	200	3.7	3•2	27
235	7•7	255	7•8	255	7•6	255	7•1	270	5.1	270	4.9	270	4.5	265	4.5	260	4.9	255	4.4	255	4•1	260	3.8	5•8	28
255	5•7	255	5•7	245	5•0	225	3•9	225	4.4	215	5.1	225	5.1	225	5.7	225	5.8	230	5.0	230	4•6	230	3.5	4•1	29
240	7•8	240	5•7	230	5•7	230	6•7	215	6.5	210	7.5	210	10.2	205	10.6	215	10.7	245	10.3	245	8•5	260	8.0	<u>7•1</u>	30
	4.8		4•8		4•6		4.2		3•8		3•9		4•0		4•1		4•1		3•9		3•6		3•5	3•8	

																						DE	CEMBE	R <b>, 1</b> 9	35
o 265 280 255 295 350	m/s 6·6 9·2 2·4 4·4 2·9	270 280 255 295 335	m/s 6.5 8.7 2.6 5.7 1.9	0 265 280 255 285 330	m/s 7·0 8·3 2·1 4·4 2·3	260 270 235 270 315	m/s 7·3 6·9 1·9 3·0 1·8	260 255 235 245 270	m/s 6·9 6·0 2·2 2·0 1·5	0 270 270 240 220 230	m/s 6·2 5·8 1·8 2·1 1·5	265 275 250 185 215	m/s 5•9 5•0 2•1 1•6 2•0	260 270 265 185 225	m/s 7·4 4·4 2·6 1·7	o 265 275 270 145 235	m/s 7•9 4•9 2•9 1•0	0 265 285 265 80 235	m/s 8·0 5·5 3·0 1·1 1·5	0 265 260 245 80 205	m/s 7·8 3·8 2·5 1·8 2·8	270 265 260 120 230	m/s 7•5 5•0 3•0 1•8 2•1	m/s 6.5 5.8 2.8 3.4 2.4	1 2 3 4 5
140 280 265 10 35	0•1 0•7 2•6 5•8 12•2	130 255 265 5 40	0.4 0.6 3.5 6.8 11.5	175 225 265 5 35	0.8 1.1 3.9 5.0 11.9	240 205 250 15 30	0.1 1.0 2.5 6.8 11.8	15 195 275 15 25	0·1 1·6 2·5 7·0 9·6	20 195 295 15 30	0•1 1•1 2•9 6•4 9•3	315 200 270 20 20 25	0·3 1·3 3·0 6·2 8·8	330 190 275 25 25	0•7 1•8 3•4 5•5 9•5	310 210 275 20 35	0.6 2.0 3.7 6.4 10.0	315 180 275 20 40	0.5 2.3 4.1 7.1 11.3	345 240 275 20 40	0•7 1•2 3•9 6•5 8•6	5 205 280 20 40	0.7 2.5 3.1 6.9 9.6	1·1 1·1 3·0 4·9 9·1	6 7 8 9 10
55 55 15 50 240	7•4 5•8 3•9 1•2 2•5	55 5 185 245	8.5 5.9 5.5 1.4 2.7	55 60 10 200 240	10.0 5.9 4.8 1.6 4.3	55 50 10 220 230	7.6 6.2 5.6 1.5 5.0	55 55 10 205 250	7•7 6•4 5•5 1•4 4•4	60 55 15 160 260	8•4 6•8 5•8 1•8 4•4	60 40 10 170 275	7•4 5•0 4•4 2•2 4•0	60 35 10 150 290	7•3 5•0 4•0 2•5 4•4	60 35 10 160 260	6.5 4.9 3.8 2.0 2.8	60 30 15 155 240	6 • 8 4 • 8 3 • 2 2 • 3 3 • 2	60 30 10 155 230	6.3 4.6 3.0 1.7 3.4	55 35 10 145 220	6.4 4.1 3.0 1.7 4.6	7·8 5·8 4·2 2·0 3·1	11 12 13 14 15
280 10 220 15 255	10·7 3·1 2·0 1·6 1·4	280 360 225 10 310	9.0 4.0 2.3 3.0 1.0	310 325 215 360 290	7.6 1.9 1.7 3.1 1.8	290 330 225 10 285	5.0 2.5 0.8 3.2 1.4	275 330 170 10 325	3.6 2.9 0.6 2.5 1.3	290 350 160 15 340	3.0 3.5 0.3 2.5 1.0	260 350 130 360 325	2·1 3·2 0·3 2·0 1·8	255 325 105 345 300	1.5 3.0 0.3 1.9 1.6	235 320 100 345 295	1.5 2.2 0.7 1.7 1.0	220 325 95 360 285	1.2 2.3 1.2 2.6 0.8	225 330 75 360 290	2.0 3.8 1.5 1.9 0.8	230 340 80 320 260	2·1 3·0 2·4 1·5 1·3	5.9 1.9 1.6 2.4 1.5	16 17 18 19 20
245 250 315 100 190	1.2 2.1 0.5 4.4 4.6	250 265 10 100 190	1.7 2.8 0.5 3.2 5.2	270 245 230 90 180	2.0 2.5 0.6 3.0 4.3	275 235 245 85 175	2.7 2.5 0.3 2.5 4.6	265 230 50 135 180	2.6 1.8 0.2 2.3 5.0	255 240 65 140 160	1.4 1.7 1.5 2.3 4.0	245 230 85 135 150	1.5 1.2 1.8 2.5 3.4	225 210 90 130 165	2·2 1·6 1·6 3·2 5·7	225 235 90 115 155	1.9 1.4 2.5 3.1 6.9	225 280 90 120 (145)	2.5 0.8 2.5 2.8 6.5	230 330 85 120 (140)	2.5 0.3 3.7 2.9 6.1	225 275 80 120 (140)	2.6 0.8 3.6 3.1 5.8	1.9 1.7 1.0 4.2 4.0	21 22 23 24 25
215 185 205 210 185	5•0 3•5 3•3 5•5 7•6	240 235 230 205 185	6·2 5·7 4·5 4·9 7·1	240 245 305 210 180	5•7 8•2 2•8 4•5 7•9	220 235 310 210 170	4.5 6.2 2.9 4.4 7.7	215 215 325 200 180	5.8 6.0 3.4 3.5 9.1	210 210 310 185 190	6.5 5.9 1.9 3.4 6.3	215 210 310 200 195	8•1 • 7•0 • 1•7 • 4•0 • 5•8	210 210 300 180 215	6•4 4•5 1•5 5•2 7•0	210 190 260 185 220	6.5 3.0 1.0 6.4 7.5	205 180 260 185 230	7.0 3.0 1.1 7.1 8.6	200 155 270 185 230	6.9 2.8 1.1 8.7 7.8	195 145 275 185 240	5.8 2.3 1.9 10.4 8.2	5•4 5•8 3•0 3•7 7•3	26 27 28 29 30
205	8•2 4•3	210	6•5 <u>4•5</u>	215	6·1 4·4	215	5•9 4•1	205	5•1 3•9	210	5•6 3•7	200	4•1 3•5	200	5 <b>•0</b>	190	3•7	160	3•5 3•8	180	4•4 3•7	175	4•2 3•9	5•6 3•9	31
	5.0		<u>5·0</u>		5.0		4.8		4.6		4.3		4.1		3.8		3.6		3.5		3.4		3.3	3.9	
12 -	- 13	13 -	- 14	14	- 15	15 -	- 16	16	. 17	17 -	18	18 -	19	19 -	- 20	20 -	- 21	21 -	. 22	22 -	23	23 -	- 24	Mean	Day

523. KEW OBSERVATORY: h₈ = 5 metres + 23 metres

				L .	,,,				,,,		7	_	7	7		~					3* -	_		
	Ja	n.	Fe	D.	Ma	r.	Ap	<b>r.</b>	Ma	<u> </u>	Jun	le L	Ju	<b>-</b> 7λ	AU	<b>g.</b>	S	pt.	00	t.	No	▼.	De	BC.
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
1 2 3 4 5	m/s 11 11 11 18 15	h m 20 5 13 30 18 20 13 35 1 15	m/s 16 21 19 16 13	h m 23 50 6 45 14 50 5 25 16 5	m/s 9 .8 9 11	h m 15 35 3 25 23 20 10 30 14 40	m/s 17 22 27 17 18	h m 14 55 11 45 13 25 10 55 15 0	m/s 10 11 16 14 6	h m 19 35 11 40 18 50 11 10 15 45	m/s 7 13 15 15 11	h m 17 35 12 20 15 45 12 50 14 55	m/s 11 15 12 14 15	h m 11 20 14 30 19 50 17 30 10 40	m/s 8 13 6 9 5	h m 15 10 11 50 14 20 16 25 12 30	m/s 10 18 15 11	h m 12 20 15 30 12 50 15 15 15 5	m/s 18 15 11 10 12	h m 12 15 19 40 9 10 14 5 13 40	m/s 23 14 15 12 11	h m 9 25 12 10 11 25 14 10 20 55	m/s 21 19 10 15	h m 6 30 12 30 8 48 9 30 4 20
6 7 8 9	13 13 9 4 11	21 30 10 45 4 15 7 10 12 20	22 17 16 12 6	15 10 0 20 10 5 11 50 12 25	7 8 21 <u>26</u> 21	13 40 15 25 23 55 10 55 15 20	16 19 14 19 26	14 30 8 10 3 50 12 15 21 50	9 13 14 18 17	12 45 19 15 15 50 14 40 10 20	18 26 18 10 12	23 45 16 40 13 15 23 20 17 55	13 10 10 8 9	8 50 16 10 9 40 9 15 18 50	6 9 8 11 13	12 40 18 45 13 10 11 10 13 5	9 10 8 8 8	9 35 20 0 10 45 21 10 12 35	7 6 16 21 20	14 40 19 10 9 35 21 45 5 55	11 14 10 14 17	13 40 21 45 11 30 22 25 11 15	6 7 11 15 22	5 10 22 10 23 8 22 30 21 38
11 12 13 14 15	21 17 5 17 7	17 35 13 45 23 55 13 35 8 50	9 18 15 18 20	23 45 8 45 8 20 13 30 19 55	20 17 12 10 9	4 5 12 40 14 35 4 5 4 55	21 15 12 13 12	6 5 17 55 14 20 14 50 15 40	14 17 12 19 20	15 35 12 30 12 15 13 50 0 10	21 18 15 10 13	12 30 15 40 7 55 11 35 15 15	10 11 11 9 8	23 0 16 35 15 10 13 30 5 25	10 15 17 9 7	12 55 17 10 12 5 13 5 15 15	9 12 13 19 17	12 50 14 45 2 5 12 5 16 35	13 11 11 9 12	11 45 13 45 14 30 4 25 22 10	17 17 11 19 17	23 20 0 40 2 15 13 40 4 35	21 14 14 7 13	3 50 18 10 4 45 10 0 19 5
16 17 18 19 20	6 14 16 11 8	14 0 19 25 8 55 12 5 5 15	26 20 18 17 25	20 50 0 10 23 40 9 20 13 10	13 7 9 12 7	16 20 16 20 14 10 12 5 15 15	23 15 17 16 12	12 35 17 0 10 30 15 45 17 45	18 14 16 14 11	15 5 12 50 17 15 12 20 12 25	17 12 16 10 13	14 55 15 45 13 35 15 20 10 25	12 <u>17</u> 13 15 16	18 0 13 50 15 35 14 40 17 55	7 7 9 9	13 10 14 20 15 55 15 20 18 30	25 31 17 25 16	21 55 2 50 12 20 12 40 0 55	10 12 21 25 16	13 55 15 10 21 45 13 10 11 40	16 19 14 12 11	8 40 14 40 0 10 18 30 17 55	23 9 8 7 8	11 35 22 40 0 10 15 10 0 55
21 22 23 24 25	13 11 8 14 23	15 55 11 0 14 40 23 55 16 0	21 22 17 26 21	13 55 6 10 8 55 22 50 10 50	10 19 18 13 13	14 5 16 25 11 5 8 50 16 20	16 16 10 15 15	10 15 12 35 16 50 17 50 22 15	17 19 22 <u>22</u> 21	12 25 21 0 13 10 12 30 0 10	12 10 12 13 22	5 45 14 50 16 50 15 40 13 55	13 7 6 12 10	11 55 2 10 16 45 17 5 12 25	14 15 13 11 5	13 40 14 40 14 40 17 30 15 25	8 15 12 17 18	15 15 13 15 11 55 23 35 2 20	10 10 12 10 9	21 50 8 20 12 0 14 5 15 15	10 9 11 9 4	1 35 16 45 14 35 1 45 18 15	6 7 7 13 14	16 10 13 10 22 5 6 45 21 45
26 27 28 29 30	27 17 11 6 7	5 0 13 30 4 45 14 15 17 40	16 21 13	3 5 7 45 11 20	9 11 9 12 15	15 55 11 5 13 45 10 30 10 55	19 15 13 8 8	12 10 4 5 3 25 20 50 19 10	14 13 10 13 12	18 45 4 15 16 20 15 45 3 25	17 13 8 10 11	14 40 10 55 10 55 18 25 11 45	10 15 15 13 11	18 30 14 15 12 50 7 55 16 10	10 12 9 8 15	23 0 1 30 16 45 10 30 12 40	9 11 11 13 17	13 10 17 10 13 30 11 10 8 5	9 21 15 20 21	15 15 14 10 1 45 17 45 21 45	14 10 16 12 23	12 45 2 20 13 50 13 35 22 5	16 18 12 20 20	17 35 13 50 10 40 23 40 16 40
31	16	11 25	-		11	11 35	-		8	3 55			12	14 40	19	9 25	-		19	16 50	-		17.,	0 35

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

524. KEW OBSERVATORY: hg = 5 metres + 23 metres

1935

					DISTRIBUTION	N OF WIND SPI	ŒD			1		EXTRE	ME VEL	OCITIES			
Month		'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	High	est Hou	rly Wi	nd	1	Highes	it Gr	ist
		Dates of Occurrence	Duration	No. of Days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed	Mid.	Time	Speed	1	De	te
Jan.	•••		hr O	2	hr 5	hr 132	hr 474	hr 133	hr O	o 345	m/s 12	day 26	h. m. 14 30	m/s 27	day 26	h. 5	<b>m.</b> O
Feb.	•••		0	5	32	283	311	46	0	210	13	20	14 30	26	16	20	<b>5</b> 0
Mar.	•••		0	2	8	140	427	169	<b>0</b> ,	60	14	9	11 30	26	9	10	55
Apr.	•••		0	2	16	256	376	72	• о	225	13	10	14 30	27	3	13	25
May	•••		0	2	9	<b>3</b> 00	322	113	0	45	12	23	14 30	22	24	12	30
June	•••		0 -	2	8	194	454	64	· 0	220	13	7	16 <b>3</b> 0	- 26	7	16	40
July	•••		0	0	0	62	541	141	0	225	7	19	14 30	17	17	13	50
Aug.	•••		0	0	0	47	389	308	0	215	9	31	15 30	19	31	9	25
Sept.	•••		0	. 2	10	140	451	119	Ο,	210	16	17	2 30	31	17	2	<b>5</b> 0
Oct.	•,••		0	1	1	160	451	132	0	225	11	19	2 30	25	19	13	10
Nov.	•••		0	0	.0	165	436.	119	. 0	215	11	30	20 <b>3</b> 0	23	1	9	25
Dec.	• • • •		0 .	2	6	204	393	141	0	35	12	10	12 30	23	16	11	35
Year	•••		0	20	95	2083	5025	1557	0	210	16	Sept.	2 30	31	Sept.	. 2	50

525. KEW OBSERVATORY: Readings in degrees absolute at 9h., Greenwich Mean Time

onth	Ja	ın.	Fe	eb.	Me	r.	A	or.	M	ау	J.	une	l 1	uly	Au	g.	Se	ot.	0	ct.	N	0▼•	De	c.
Day	30cm.	122cm	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122cm.	30cm.	122
	OA.	OA	οA	οA	οA	Αo	OA.	Αo	o _A	οA	οA	Αo	οA	οA	Αo	OA.	OA.	o _A	OA.	o <u>a</u>	٥A	οA	OA.	٥
1	81.0	82.0	76 - 7	80-0	78-1	80-2	81.8	81.3	83 • 5	82-3	86.2	84.1	92.4	87•8	91.6	89•4	90•0		86 • 7	88•0	84.0	85 • 0	79•7	82
2	81.7	82.0	77-9	79-9	78-2	80 • 2	81.1	81.4	82-3	82•4	86 • 7	84.2	92-4	87-9	91.1	89-6	90.2	89-1	85 • 8	88•0	83-8	85 • 0	78 • 9	82
3	82.0	82.0	78-0	79-8	78 - 7	80-1	80-1	81.4	83 • 7	82•6	86.8	84•3	92•1	88•0	91.0	89•3	89•8		85 • 8	87•8	83.8	85 • 0	78 • 0	8:
4	81.6	82.1	79-2	79.9	78-2	80•1	79-5	81.4	84.2	82•7	86.6	84•4	91.9	88.1	90•6		89•8	89.1	85 • 7	87•9	84•4	85.0	77.6	8
5	80.1	82-1	79-1	80•0	77-9	80•1	78•6	81.3	84•3	82•7	86 • 2	84.5	92-1	88•2	90.9	89-3	89•6	89.1	86 • 2	87•4	83-6	85 • 1	77•0	81
6	78 • 9	82-1	78-9	80-1	78-2	80-1	78-9	81-3	85 • 2	82-8	86.8	84.7	92.0	88+2	91.9	89-3	89•3		85 • 3	87-2	82-8	85 • 1	76 • 6	8
7	78-2	82.1	77.7	80.1	78-8	80-1	80.0	81.1	86 • 2	83.0	86.7		91.8	88•3	92.2		88 • 9	89.1	85.0	87-3	81.7	84.9	76 • 7	8.
8	77-8	81.9	76 • 8	80-1	78-0	80-1	80-9	81.1	85•8	83.1	86 • 6		91.6	88 • 4	93•0	89•4	88•5		85-0	87-1	82.1	84-9	76 • 7	8
9	77-1	81-8	76 - 0	80.1	76-9	80•1	81.7	81.1	85-0	83•2	86 • 3		91.8	88•4	93•3	89•5	88•5	89.1	84.5	87-0	81.0	84.7	77.1	8
10	77•0	81-6	75 • 5	80-1	76•0	80-1	82•7	81.3	84•7	83-4	87•8	85•1	92•2	88•5	92•1	89•6	88-1	88.9	85•6	86 • 9	81•3	84•5	77•3	83
n	77-2	81.3	76-3	79-9	76-1	80-1	82-5	81.3	85•0	83-6	87.7	85•1	93-1	88-7	92•6	89.7	88•0		85 • 0	86-9	81•0	84.3	77•8	8
12	77-2	81.2	77.4	79.7	76.0	80-0	81.9	81.4	85 • 4	83.5	87-0	85.1	93.1	88 • 7	92-1	89•8	88•3	88•8	84.3	86-8	81.2	84.2	78 • 0	8
13	76-5	81.1	79-1	79-6	76-3	79-8	81-1	81.4	84-5	83.7	87.1	85 • 2	92-6	88.8	91•3	89-8	89•0		83.7	86.6	80-6	84.1	77-4	8
14	77-3	81.0	79-0	79-7	76-8	79•7	81.5	81.5	83-6	83.8	87-8	85•3	93•0	88•8	90.6	89.8	89-0	88 • 7	84.3	86 • 4	80 • 2	83.9	77-0	8
15	78•6	80.•9	78•3	79-8	77-0	79•6	81.5	81.5	83•3	83•7	87-6	85•3	93•5	89-1	91•0	89-8	88•9	88•7	85-0	86•2	81•3	83-8	76•8	8
16	78•7	80-9	79-8	79-6	77-5	79-6	82•4	81.7	83.2	83•7	87-8	85•5	93 • 7	89-1	91.1		88+2		85 • 4	86-2	80•8	83.8	76 • 8	8
17	78-6	80.8	79-8	79-9	78-9	79-6	81.9	81.7	82.2	83.7	87-8	85 • 7	93 • 3		80.8	89.6	87.9		85.8	86-2	80.9	83.8	76 • 4	8
18	78 - 7	80-8	79-1	80.0	78-9	79-7	82.1	81.9	82-3	83•4	87-9	85•7	92•3	89-2	91.2	89-4	87.1	88•6	85 • 4	86 • 2	81.0	83-4	76 0	8
19	78-6	80-8	79-8	80.1	79-1	79-6	82-9	82.0	82-4	83•3	88•3		91.3		91.0	89•5	88.0		85 • 3	86 • 2	80.9	83.3	75 - 8	8
20	78•3	80-8	80•1	80-1	79-8	79•9	83-0	82•1	82-8	83-3	88•7	85•9	91.2	89•3	92•0	89.5	88•7	88•3	84.2	86•2	81.0	83•3	75•8	•
21	78-5	80-8	80-7	80-2	80-1	80-0	82-8	82•1	83-0	83 • 2	88 • 7	85-9	90-6	89-2	92.2	89-5	88-3	88 • 2	82-5	86-1	81.4	83•3	75.1	8
22	78-4	80-8	80-2	80-2	81-2	80-1	82.7	82-1	83.1	83.2	89.7		91.0		92.4		89.0		82.0	86-2	81-0	83 • 2	74.8	8
23	78.0	80-8	79-0	80-4	80-9	80-2	82-3	82.1	83-0	83.2	91.6		92-0	89-2	92.1	89.5	88•0	88 • 3	81.4	86-0	80 • 7	83.2	74-8	8
24	77-8	80.7	78-3	80.6	81-1	80-4	82-3	82.2	84.4	83-2	92.3		92-0	89-2	91.4	89-7	87-4	88 • 2	81.7	85 • 7	79-4	83-1	74.7	7
25	79-0	80-6	78 • 7	80-4	82-4	80-5	82.0		84.8	83-2	92-8	86 • 7	92-1	89•2	90•6	89-8	87•4	88•2	81.7	85•4	78-1	83-1	74•8	7
26	78-0	80-6	78-0	80•3	81.5	80•6	82•0	82•3	84-8	83-3	92-1	86-9	92.3	89-2	91.2	89•8	86-4	88•1	81.0	85-1	77•4	83•0	76 - 2	7
27	77-1	80-6	77.5	80-3	81-8	81-0	82-4	82-2	85.1	83.4	91.8		92.2	89-2	91.4	89.7	87.2		82.2	85-1	78•1	82.7	77•8	7
28	76 - 4	80-6	79-0	80.2	81-9	81.0	82-1	82.2	85.5	83.5	91.1	87-2	92.5	89-2	89-8	89-5	88 • 6	88•0	83.8	85 • 0	78 • 9	82.6	78•7	7
29	75-8	80.3	''-	-	82-0	81.1	82-2	82-2	85 - 8	83.7	91.9	87-4	92-6	89•3	89-6	89•6	88 • 7	88•0	84.7	85-0	79•7	82.3	78 • 6	7
30	75-3	80-2	_	-	81.3	81.2	83-1	82.3	86 - 7	83.7	92-4	87.7	92-0	89•3	89-4	89-5	87•7	88•0	83.6	84.9	79•3	82-3	79-0	7
31	76 - 3	80•1	-	•	81-0	81.2	-	-	88 • 0	84-0	-	-	91-8	89•5	89-6	89•3	-	-	83.7	85•0	-	•	79•5	7
lean .	78-2	81.1	78•4	80•0	79-1	80•2	81.7	81.7	84•3	. 83•3	88-6	85•6	92•2	88•8	91.3	89•5	88•5	88-6	84.3	86 • 4	81.0	83-9	77-0	8

The initial 2 or 3 of the readings is omitted. i.e., 275.0 degrees absolute is written 75.0

Year... 83.8 84.2

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

Readings in degrees absolute 526; KEW OBSERVATORY

1935

520,	KEW	OBS.	EK VA:	TORI							1900	) 
Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	O _A	OA.	OA.	OA.	OA	OA	OA	OA	°A	OA	OA	OA.
i	78-6	73-0		79-6		83.0			83.7		79-1	77.9
2	82-4	79-7	71.1	73-2	69.7	83.9	88 • 0	77.5	85 • 8	74.1	74-1	73.5
3	82-3	74.4	73-4	71.3	76 - 5	80 - 7	86 - 3	78 - 2	82.4	73 • 4	79-7	71.4
4	75-8	81.3	70-3	69-3	80-9	80-8	86 • 3	79-4	81.9	79.9	81.9	71.1
5	74-1	73-6	<u>66•3</u>	68•3	76•3	78•1	86 • 9	78 • 9	81-9	79•7	74•1	67•4
6	69-8	75.0	73 - 2	70-7	77-6	81.2	84.1	81.7	79-9	74.0	70-8	67.5
7									74-8		70-7	
8	69-7	65-6	67-6	76 -6	80-2	82-9	78-3	83-2	74.1	73-6	74-1	69-7
9	86.2	69-1	69-6	79.2	80-3	72.4	82-5	85-8	78 - 5	78 - 3	74.0	74.1
10			72-0						74-1		75 • 4	
11	71.3	75.2	73.6	80.2	78-4	81.9	85-8	81-2	75•3	78•0	70•7	76 • 4
12									79-2		78 - 1	76 - 8
13			71.2						83-7		74.0	71.8
14			70-2						82-9	79-6	73-1	73.6
15		73-6							83 · 1	77.4	80-6	70-2
16	75.4	84.2	70-8	79-7	71-9	81.3	86 - 9	80-2	81.9	83-8	70-8	71.8
17		75-2	74-2	73-6	65-1	81.2	85.1	80.5	83.9	76 • 4	75-9	
18		74.7	70-0	77-5	71.0	83-6	81.9	86 • 8	81.7	80-8	79-4	71.2
19			69-1					82.5	85 - 7	79-7	89-2	68-6
20		80•6	71-8	78 • 1	79-3	86 • 4	86 • 0	85•2	86 • 3	78•3	79-7	70•3
21	77-3	78-9	70-1	76 • 8	74.7	87•4	80-2	81.9	78-1	64.7	73.0	65•3
22		76 - 4							86-6			
23	69-2	68-6							77-4			
24		66 - 9	77-0	74.1	81.9	86.3	82-5	86 -8	75-3	77.4	67-2	67.5
25	77.1	75-2	80-2	73•5	81-9	87.4	85-6	81.9	79-7	75•2	65•3	74•7
26	72-4	71.3	71.3	79-6	79-2	87-4	82-7	85•3	71.3	68•1	85•5	78•7
27		66 - 9							84-2			79-6
28	68-4			78 • 6					86 - 9		74.8	77-9
29	65-9		75 - 2	73-7		82.5	88 • 4	77-4	84-6	85 • 2		73-2
30	68-1			73-2		85•3					76 • 6	78-6
31	74-7	-	76 • 8		81-3	-	75 • 8	85•8	-	81•9		79-1
Mean	73-1	74-5	72-5	75 • 2	76 • 8	82.7	83-8	81-6	81-0	77-0	74.2	72-1

The initial 2 or 3 of the readings is omitted, i.e., 275.0 degrees absolute is written 75°0.

Note. - The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.

HEIGHT OF SURFACE OF UNDERGROUND WATER

Zero = 13 pm. april M.S.L.

63 below

Readings at 9h. G.M.T.

527. KEW OBSERVATORY

errata 196

1935

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.
i	179	171	238	195	195	173	165	165	151	149	161	241
2	181	169	240	194	193	172	166	164	150	151	161	239
3	183	168	242	193	193	172	167	164	150	153	163	238
4	184	167	243	194	192	172	169	163	150	153	164	237
5	186	167	242	194	191	172	169	163	149	154	165	235
6	187	166	240	194	191	171	169	162	149	155	166	233
7	189	226	239	194	191	171	168	162	148	155	167	231
ė	190	287	238	193	190	171	168	161	148	155	168	230
9	193	287	239	193	190	170	167	160	148	156	169	227
10	194	283	240	194	189	169	166	159	147	156	170	225
11	195	279	238	193	188	169	165	158	147	156	172	226
12	193	274	235	193	186	168	164	157	146	157	175	227
13	191	268	233	193	185	168	163	157	146	159	178	227
14	189	261	231	194	183	167	163	158	146	160	183	227
15	187	254	228	192	181	166	162	155	147	163	187	226
16	186	248	225	193	180	166	161	155	149	165	193	224
17	185	242	221	191	179	165	163	155	150	167	198	221
18	183	238	217	191	178	166	165	155	150	169	203	219
19	182	235	215	193	177	166	167	155	148	171	209	217
20	181	232	213	195	176	167	169	155	147	170	214	215
21	180	229	211	198	175	167	170	155	146	169	218	213
22	179	227	210	200	176	167	171	155	146	167	222	211
23	178	225	208	201	176	168	171	155	145	166	225	209
24	177	226	207	202	177	167	171	154	145	165	228	208
25	177	227	205	203	177	167	171	153	145	163	231	207
26	176	226	204	202	177	166	170	152	144	163	234	205
27	175	230	203	201	176	165	169	151	146	162	236	206
28	175	235	201	199	175	165	167	151	147	162	238	208
29	174	-	200	197	174	165	165	151	147	162	240	212
30	173	-	199	196	173	165	164	151	148	162	241	213
31	172	-	197	-	173	-	164	151	•	161	-	227
Mean	183	230	223	195	182	168	167	157	147	161	198	222

Mar., 243, 197; Apr., 203, 191; May, 196, 173; June, 173, 165; July, 171, 161; Aug., 165, 151; Sept., 151, 144; Oct., 171, 149; Nov., 243, 161; Dec., 242, 205. Annual Mean = 186cm.

		Cloud Forms		l	Clou (A	l Fo			L	v	isibil	ity			F	reci	pit	atio	n.		Remarks on the Weather of the Day.
ay	7h	13h	18h			1	1	b 21h	L	П	1 <b>3</b> b [			Г		- 1	Т	` [	- 1		
1	Nbst	Frnb: Ast	Frnb:Nbst	10	10	10 1	0 10	0 10 10 10 10 10 2	1	G	H I I I I I I I I I I I I I I I I I I I	H	1 1	1		)	. 0	•°	<b>9</b>	•°	$\bullet \bullet^0$ a and $p : \bullet^0$ n.
2	St	St: Stcu	St	10	10	10   1	0   10	10	E	G	1 1	H  :	.   i		)° •	)°	٠1٠	· · · [·		• • •	● ● o f a.
3	St: Ast	Stcu	l St	10	10	10 1	0 10	10	J	H	H (	G   ;	J	Ι.				}-		•••	
4	Sten: Cu: Acu	St: Stcu		7	7	3	ol (	10	J	3	J	J	.   i	1.			٠.	-		•••	
5	Steu	Steu	Steu: Acu								1 :	1 :	.   G	ŀ	∤		.∤.	···  •		•••	
6	Steu	Cu: Freu	Steu	2	8	3	-  2	8 3 10 10 9 9 1	1	H	H G G	-  :	G G F	1.			-	<u>-</u> ].			⊔p•°a: •°n.
7	St: Stcu	St: Steu	St: Stcu	6	3	9 1	0   8	3   10	1	G	G (	G   C	i ∣ G	1.			- 1	••.		•••	$i \bullet ^{\hat{0}} a, p and n.$
8	St: Ast	St: Steu	St	10	10	9 1	0 10	10	G	F	F	E   (	i   G	1.		.					m a : f p.
9	St	St	St: Stcu	10	10	10	9 8	9 16	В	C	C	C   1	F	١.			٠. [ ٠	].	]	•••	$\mathbf{F}$ a and $\mathbf{p}$ : $\mathbf{f}$ m $\mathbf{n}$ .
ιŏ	Steu	St: Steu	St: Steu	9	10	9	9 10	1	1	H	H	i   1	I G	ŀ	[		· ·	··· ·		•••	
ս	Stou: Ast: Ci	Cu: Frnb: Ci	Frnb	4	10	9 1	0 10	6 1 10 9 9	1	i	1 3	J   :	. J	١.	•	9		• •	•1		lacktriangle a and $p: lacktriangle lacktriangle$ early $n$ .
12	St: Steu: Ast	Freu	l <b></b>	8	5	3	4 (	1	J	H	1  :	1   (	H	١.			}.	· · ·   ·	•••	•••	ш Ш п.
ia l	Steu: Acu:Cist	Steu	i St	7	2	10	- 10	10	G	F	F .	-  1	F	١.			-	-		●°	$\coprod$ m $a : \bigoplus^{o}$ m $p : \bigoplus^{o}\bigoplus$ m $n$ .
4	Steu	Stou	Steu: Acu	10	10	9	9 9	9	J	J	1 6	J   ;	J	ı.				.		•••	lacktriangle early $a$ .
.5	St		Steu	3	10	0	1 8	9	G	G	G 1	H (	F	ŀ	$\cdot \cdot   \cdot \cdot$		·· ·	··· ·		•••	m n.
.6	St: Stcu	Stcu	St: Stcu	10	10	10	9 8	0 10 9 9 10	1	F	G :	i   1	В	1.	]						ma: mFan.
.7	St: Ast	Steu	Steu	9	8	9	7 10	10	G	1	1	1   I	I   H	ŀ			٠.	· · ·   ·		•••	● late n.
.8	Steu	Steu	Stcu	9	9	9 1	0 10	9	J	1	1 1	H   I	1   H	١.			٠. ا ٠	· · · ] ·	]		• early a:
[9	St: Steu: Ast	Steu	Steu	10	10	10 1	0 10	9	J	H	G 1	F I	I G	١.			٠.  ٠	· · ·   ·			<b>₩</b> n.
20	St: Steu	St: Steu	St																	1	z late a.
1	St: Steu: Ast	Frnb	Stcu	10	10	10 1	0 10	9 10 3 0 10 3 10	G	H	G 1	H   1	. 1	•	٠.	. •	٠.	.			lacktriangledown $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lac$
2	St: Steu: Ast	Acu: Cist		9	9	9	5 0	10	G	G	H (	G [1	'   E	10	٠. 🎙		٠٠  ٠	٠٠٠ ٠	٠٠٠	•••	$p \bullet ^{v} early a : m i n.$
23	St: Ast	Steu	Steu	10	10	ro	0   E	3 0	F	F	H I	H (	G	ŀ			<u>]</u> .	J.	اا	•••	m <u>a</u> .
4	St: Stcu: Ast	Nost	Frnb: Acu	6	10	10 1	0 8	10	F	E	H C	G (	H	ŀ		[●	)° (	•°°	O٩	•••	$\mathbf{m} = 1 \oplus \mathbf{a} : \oplus^{u} \oplus \mathbf{p}$ .
25	St: Cumb	Frnb: Nbst	Cu: Stcu	9	10	LO.	9 8	10	J	1	J :	7   ·	J	I	9	•	٠-  ٠	··· ·	•••	••	$\bullet^{\circ} \bullet \ a: p \bullet^{\circ} \bullet \ p: \bullet^{\circ} \times n.$
6	Steu:Freu:Ast	Steu: Cist	Frnb	3	7	10 1	0 8	10 4 0 10 10 9	J	J	1 :	i	. K	Į.		. •	9	●¢x	ķ0	<b>*</b> °	p ● 0 a: ● 0 * p: * n.  *** early a: *** * n.  *** a: f n.  f 🗀 a.  f z a: ● 0 n.
7	Cunb:Frnb:Ast	Steu	Cu: Stcu	4	5	3	- 4	4	J	J	J .	- 14	J	1	€°		-	-1.	····j	••• ]	★ early a: ★ 本 n.
28		Cicu	Ast:Cist	0	0	3	3 4	0	1	G	H I	H   C	E	١.			٠.  ٠	··· ·			$\sqcup a: 1 n.$
9	St: Steu	Steu	St	10	lol	2	9 10	10	Ε	ם	D	G   C	G	١.			.∦.	∤.	٠١		Í ∟ a.
ю	St	Stcu	St: Steu	10	10	10	8 10	9	D	D	F	G C	G	ŀ			··  ·	··· ·		••	$fza: \bullet^0 n.$
1	Steu	Steu	Ci	1	0	- 1	- 1	10	1	1 [	- 1	- [	- [	1			- 1	1			● ● early a.
fean							*		Γ			T	T	I		T			T		• *
loud				7.4	7-8	• 9 7•	77.0	8 7.6	l	П				1	-	1				,	
m'nt.	[		<b>[</b>	1		1	1	1	1	1	1	- 1	1	1	1	1	1	- }	- 1		

#### 529. KEW OBSERVATORY

FEBRUARY, 1935

•		Cloud Forms				d Ar		t		v	istbili	ity			Pre	cipi	tati	on.		
av	7h	13h	18h	7ь	9h	3h 15	iь 18	216	7h	9h	13h 15	5h 181	214	7h	9h	13b	5h	18h	21b	Remarks on the Weather of the Day.
an ud 'nt.				7-6	8-1	+ 8•7 €•	4 7.	4 7-4												·
	Cu: Steu:Ast Steu:Cunb:C1	Frnb: Nbst Frst: Stou: Cist	St: Ast: Cist Steu		10	10 i	9 9	8 7	G	i H	H J	G	J		*°	•				$z \coprod n$ . $x \bigoplus^{0} a : \bigoplus^{0} p \text{ and } n$ . $p \bigoplus^{0} a$ .
	Cunb: Ast:Acu Frnb:Nbst Stcu Cu: Stcu: Ci St: Ci: Cist Stcu: Ci:Cist	Cu: Steu Frnb: Nbet Cu: Ci Cunb: Steu Acu Frnb Freu	Steu: Acu Cu: C1 Steu Cumb: Steu: Fbst Nb: Nbst	4 10 3 4 9	1 . 1	- 1	8 5 9 3 0 9 - 10 9 10	9 0 9 10 10	ı	H		1	1 1		•	•		•	•	$p \bigoplus^{\circ} early \ a : \bigoplus^{\circ} n.$ $e^{\circ} \bigoplus a : p \bigoplus^{\circ} p.$ $early.$ $p \bigoplus a : \bigoplus^{\circ} p \ and \ n.$ $early \bigoplus^{\circ} a \ and \ p : \bigoplus^{\circ} early \ n.$ $early \bigcap^{\circ} a \ and \ p : \bigoplus^{\circ} early \ n.$
	Steu: Cu Steu: Ci Steu Steu: St: Ast Frnb: Ast	Steu: Cu Steu: Aeu: Ast Steu Steu Frnb	Steu: Cumb Steu: Ast: Cist Steu Steu Frnb: Nbst	1 10 10 10	9 10 10 10	10 1 10 1 10 1	- 5 0 10 0 10 0 10	6 8 10 10	K J K	J J i J	K i	K G i G	J	  •°		•••	•	•••	•••	
	Steu: Ast Steu:Ast Steu:Frnb: Ast Ast: Ci Acu: Ast	Steu: Ast: Acu Steu Frnb: Nbst Steu: Cu Frnb:Nbst	Steu: St: Acu Steu Steu: Cu Cu: Ci Frnb	10 10 10 5 10	10 10 10 9 10	9 10 10 10 10 10	8 6 0 3 0 9 4 1	9 9 10 8 10	G 1 G	G J H J	i i i H	G H G J	G 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		••	•1	•°	:::	••	<ul> <li>o p.</li> <li>o o a and p : f p : o n.</li> <li>i n.</li> <li>a and p.</li> </ul>
	St: Steu Cu: Steu St: Steu Steu St: Ast	Frnb: Nbst Cu: Stcu Cu: Stcu Stcu Stcu	St: Steu St  St St: Cist	10 5 9 2 10	10 7 9 0 10	9 (	9 9 6 6 8 0 9 10 - 10	9 3 0 9 8	G G G	i G G	i i G H G F	J F G G E	k G i i G					.		●°● a: ●° p. p*° p: m ⊔ n. p*° a. ⊔ a. m f p and n.
	Steu Steu: Cu Ast: Acu Steu Steu: Ast: Acu	Steu: Ast Steu: Cu: Ci Steu: Ast: Aeu Cu: Acu: Ci Cu: Ci	Steu Steu St: Steu: Ast St: Steu:Ci Steu	9 9 9 10 3	10 10 10 10	10 10 8 9 9 5	7 7 - 10 3 6 9 10	10 6 10 10	G J J i G	i J i G H	1 1 1 - 1 H 1 1	i j f H	J J F H			}				• a: • • p. • p and n. • • a: m n. • early: • • n.

		Cloud Forms,	•				Amou			,	/isibi	lity		L	I	Preci	pita	ation	ı.		Remarks on the Weather of the Day.
Day	7h	13h	18h	7⊾	9ъ	13p	15h 1	8h 211	71	96	13b	15 <b>5</b> 1	3h 21h	71	h 91	131	15	ь 18	ĥ21	h	•
1 2 3 4 5	St: Stou: Acu St St: Stou  Stou: Ast: Acu	Cu: Cist Stcu Nbst Cu: Stcu Cu: Acu: Ci	St: Stou Stou: Ct Nb Stou: Cu Acu: Cicu		- 1			0 9 0 10 0 10 1 0 5 8			1 1	1 1 G 1 - C J 1 K C	- 1			•		- •	•		lacktriangledown $lacktriangledown$ $lacktriangledown$ $a: lacktriangledown$ $lacktriangledown$ $a: lacktriangledown$ $lacktriangledown$ $a: lacktriangledown$ $lacktriangledown$ $a: lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $a: lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $a: lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lacktriangledown$ $lackt$
6 7 8 9 10	Frnb: Mbst Steu: Cu Steu: Acu: Cicu Steu Steu	Steu Freu Steu Cu: Steu Frnb: Steu	Steu St Steu Frnb: Steu St: Steu: Ast					0 8 8 0 0 10 0 10 9 10			1 1	- 1	G F I I I H I I		·· :	·   · · ·		.	*	.0	● 0 $m$ $a$ : $m$ late $p$ . $m$ $n$ . $\square$ early : $p$ $ mathbb{X}^{0}$ $n$ . $ mathbb{X}^{0}$ $a$ . $m$ late $a$ : $ mathbb{X}^{0}$ $n$ .
11 12 13 14 15	St: Steu  St St St: Steu	Steu: C1  St Freu: Steu	Cu:Stcu:C1  St C1	10 10 10 9	10 0 2 10 9			7 0 0 0 0 0 0 10 2 7			1 1	H C i C G I F I	F							•	$ ot*\chi^0$ early $a$ . $ ot*\square z$ early $a$ . $ ot*\square z$ $a$ : $z$ $n$ . $ ot* ot* ot* ot* ot* ot* ot* ot* ot* ot*$
16 17 18 19 20	Ast: Acu: Cist St: Stcu:Ast St Cist: Cicu Acu:Ast:Ci	Acu: Ast Steu: Ast Cu: Steu Cu Acu:Ci: Cist	St: Steu: Acu Ast: Acu: Ci Gu: Cist: Ci Cist: Ci Ci: Cist	9 10 10 6 8	9 7 9			0 10 4 9 5 3 0 10 2 0			1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 G G G G	l :	 	: :::					fa:
21 22 23 24 25	Stou: Acu: Ci Freu: Ast:Cist Cu: Ci:Ciou Stou: Acu:Cist	St: Steu Frnb: Nbst Cu: Cist Steu: Ast: Cist	Acu St: Stou Frnb: Nbst Cuf Ast: Cist St: Ast: Ci					1 8 .0 3 .0 9 .0 10				K J H - J	i j k j k		::   :: ::   ::	•	•			•	
26 27 28 29 30	St St St St St: Ast	Cu: Steu Cu: Ci Cu Cu: Steu St: Ast	Steu: Ci: Cist Ci: Cicu Frst: Steu St: Frst: Ast				1 1	9 1 0 0 5 0 9 8			1 1 1 1		G							•	a early : $⊕$ late $p$ . $a$ early. $a$ F m $a$ . $a$ early.
31	Steu: Freu	Steu: Ci	Cu: Acu	10	10	9	4	4 9	K	1	J	-  :	K	Ŀ	<u> -</u>	<u>- </u>	:上	<u>-  -</u>	<u>.  </u>	•	
Mean Cloud Am'nt.				8-3	7•8	7-2	* 6-46	· <b>8 5</b> -8	L												

### APRIL, 1935

531.	KEW OBSERVATO	RY			APRIL, 1999
1 2 3 4 5	Cu: Acu: Ci Stcu: Cu: Ci Stcu: Cu St Cu: Acu: Cist	Steu Cu: Steu Freu: Cumb St: Steu: Ast Steu:Curb: Acu	Steu Cunb: Steu Steu: Cunb: Aeu Freu: Steu Frnb: Nbst	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
6 7 8 9	Frnb: Ast: Acu Ci: Cicu Frnb: Ast:Cist Frnb: Nbst	Freu Cumb: Ci Steu: Acu: Ast Steu Steu Ast	Acu: Cicu:Cist Frnb: Nbst Stcu: Ast:Cicu Frnb Cu: Stcu	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
11 12 13 14 15	Cu: Steu St: Steu: Ast Cist St St	Cu Cu: Steu: Ast Cu: Ci: Cist Cu: Cumb Cu: Acu: Cist	Cu Cu: Ci Cu: Ast: Acu Cunb:Nbst:Ci Stcu: Acu: Cist	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
16 17 18 19 20	Frnb Cu: Stcu: Ci St: Stcu: Acu Stcu: Frcu Stcu: Acu: Ci	Cumb: Nb: Ci Cu: Steu Cu: Steu: Ci Steu: Nbst Frnb: Nbst	Cunb: Nb:Ci Frnb: Nbst Frnb: Nbst Steu: Acu: Ci Cunb: Steu:Cist	10 10 9 3 8 8 5 J K K K K K K K K K K K K K K K K K K	
21 22 23 24 25	Cu: Steu:Cist St: Steu: Acu Cu: Steu: Acu St: Steu: Ast	Steu. Cu: Steu Cu: Cumb St: Steu St: Steu	Steu: Cu: Ci Cu: Ci Cu: Ci Acu: Ast Frnb: Nbst	6 5 9 - 7 0 K K K - K K	
26 27 28 29 30	St: Ast St: Frst: Ast Steu Steu: Acu St: Ast	Cu: Steu St: Steu St: Steu St: Steu St: Steu	Cu: Ci Steu Steu Steu St: Steu:Acu Cu: C1	10 10 8 4 6 10 1 1 1 1 1 1 1 J	
Mean Cloud Am'nt.				7-5 86 8-3 8-0 7-6 6-2	
	7h	13h	18h	7h 9h 13h 15h 8h 21h 7h 9h 13h 15h 8h 21h 7h 9h 13h 15h 8h 21h 7h 9h 13h 15h 8h 21h Remarks on the Weather o	f the Day.
Day		Cloud Forms		Cloud Amount (All Forms) Precipitation.	

#### 532. KEW OBSERVATORY

		Cloud Forms			Clou (Al		nour rms)				Visil	bility	y			F	rec	ipit	atio	n.		Remarks on the Weather of the Day.
Day	7h	13h	184	7h	<b>9</b> b 1	3h 15	18 ¹	211	7h	91	131	15b	18b	21h	71	91	13	h 15	h 18	h 21	ı h	
1 2 3 4 5	Frnb:Frou:Nbst Cist:Cicu Acu: Ast Cist:Ci Ci:Cist	Frnb:Nbst Ast: Acu: Cist Ci: Cicu Acu: Ast Frcu:Acu: Ci	Steu: St: Ast Acu Acu: Ast: Ci Acu: Ast: Cist Ci: Cist	10 4 5 8 4	9	9 9	7 9 9 8 9 8	9 2 2 9	i	G		1	H i i		•	.		:   ::			:	••• $a: •$ • $p$ . $\square$ early.  f m $\triangle$ early $a: \oplus$ late $a$ .
6 7 8 9 10	Acu: Ci Cist St: Stcu: Frcu St: Stcu	Acu: Ast: Ci St: Stcu Stcu	Cu: Stcu St: Stcu C1	2 1 9 10 0	10 10 10	0 9 10 7	0 0 5 8 9 8 1 0	9 0		- 1	J i j J J	1	K i j i	J J J		:	: ::	:  ::		:  ::	:	a early. a early. ●° 9h.
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1 2 3 4 5	St: Steu Steu: Ci Acu: Ci St: Steu Steu	Steu Cu: Steu: Acu Cu: Acu: Ci Cu: Acu: Ci Cu: Acu: Ci	· Steu: Acu: Ast Cunb: Steu: Acu Cu: Acu: Ci Cu: Steu: Ci Steu: Acu: Ast	10 8 3 10 9	7 9 10	8 9 7 7	7 7 8 8 8	1	J	J	1	LKK	L K K	ĸ		•••		. 1		•°	
6 7 8 9 10	Acu: Ci  Acu Acu: Cist Stcu	Cu: Ci Cu Cu: Acu: Ci Cumb:Stcu Cu: Stcu: Ci	Steu Steu Cu: Acu: Ci Steu: Ast: Acu Steu: Acu: Ci	2 0 5 9	80089	6 4 8 9 7	5 6 - 10 10 5				1	1	K	J J J i			::: - :::				$oldsymbol{\triangle}$ early $a$ . $oldsymbol{\triangle}$ early $a$ . $oldsymbol{\triangle}$ early $a$ .
11 12 13 14 15	Steu: Acu: Ci Steu Nbst Steu: Acu Cu:Steu	Cu: Steu: C1 Steu:Acu Cu:Steu:Acu Cu Cu: Steu	Acu: Ci Cu: Steu: Ci Steu:Acu:Cieu Cu: Acu Cu: Steu: Ci	8 9 10 3 10	7	9 9 10	8996		HGJJ			K K K	K K K	K J J	••			•••	: 		
16 17 18 19 20	C1 Steu: C1 Steu Frnb: Steu Frnb: Nbst	Steu Cu: Acu: Ci Cunb:Steu:Ci Cu: Steu Cumb: Steu	Cu: Frnb:Nbst Cu: Stcu:Ci Stcu: Acu:Cist Stcu Cu: Acu: Cist	4 9 5 9 10	9	9 6 9 5 9	9 10 7 3 9 9 4 3 9 9	10 1 9 9 1 1 1	K J K J	K K K J	K K K	K K K	J K J K J	K K J K J		···		 		 	••• $p$ . ••• $q$ early $p$ •••• (gusts) $a$ . p•• early $a$ : p••• $p$ : ••• $n$ . ••• early $p$ •• $a$ : p••• $p$ .
21 22 23 24 25	Acu: C1 Nbst  Stcu: Ast	Steu: Ast Frnb:Steu Cu: Steu: Ci Frnb Cu	Steu: Acu Steu Freu: Ci Frnb: Nbst Cu: Acu: Ci	6 10 0 9 0	9 10 0 10	6 10 5		1	G H i			K 1 K	J H i	J J K	•°	••	•	_	 •••	•° 	f $\triangle$ early $a$ .  ♠ op ♠ 2 $a$ : ♠ on. ♠ oe arly $a$ . ♠ o a : $p$ and $n$ .
26 27 28 29 30	Acu Frab: Ast Frab: Ast Nbst Frab: Nbst	Cu: Steu: Acu Cu: Steu Cu: Steu Frnb: Nbst Cunb: Acu:Ci	Steu: Ast Steu: Acu: Ast Acu: Ci Cu:Steu:Cist Cunb: Acu: Cist	9 10 10 10	10	9 8 8 10 9	9 10 7 8 9 8 - 8	10 9 8 8 8	F i H i H	F 1 H G J	I K G J	i K K	H J J H	i	 •°	•			•°	: :	<ul> <li>o p.</li> <li>o early a: o p.</li> <li>o a: Ko p.</li> <li>o a and p.</li> <li>o p A a: p p.</li> </ul>
Mean Cloud Am'nt.				7-2	7-1	8-07		5-6	3												

537.	K KW	OBSERVATORY
2210	D-D-M	ODDERIVATORIT

ACMAD TO D	1075

537•	KEW OBSERVATOR	RY														,					OCTOBER, 193
1 2 3 4 5	Acu: Ci Steu: Ast: Ci Steu: Acu: Ci Ast	Cumb: Ci Steu: Acu: Ast Frmb: Ast Cu: Cumb: Ci Cu: Steu	Steu Frnb: Steu Cu: Ast: Ci Cunb: Acu: Cist Cu: Steu: Ci	0 8 8 8 10	9 1 8 8	0 1	8 8 0 10 9 9 9 9	9 9 1	K H K K	K H J K	J J J J i i J i J J	i H i H	i G J	 •° 	[		• • •	 •° 	•° 	$ \begin{array}{l} p \bullet^{0} a : \langle \langle \rangle,  \bullet^{0} p : p \bullet^{0} n. \\ p \bullet^{0} \bullet^{0} p : \bullet^{0} n. \\ p \bullet^{0} \bullet^{0} a : \bullet^{0} p : p \bullet^{2} \bullet n. \\ \bullet p \bullet a : p \bullet \bullet^{0} p : p \bullet n. \\ p \bullet^{0} p. \end{array} $	
6 7 8 9 10	St St Steu: Acu: Ast Steu: Acu:Ci St: Nbst	Cu: Acu: Ci Cu Frnb: Ast Stcu: Acu Cu: Frcu	Steu: Ci Steu  Frnb: Ast Steu	10 9 9	10 10 10 10 1	7 1 .0 9 1 5	- 6 5 1 8 0 0 10 5 1	10 3 10 2	D B K 1 J	E D i J	H - i i i i J J K K	G	G G K	•	 •	•			 •••	f $a : F n$ . F a. $\bullet$ $\circ$ $\bullet$ $a$ . $\bullet$ early $a : \bullet$ $\bullet$ $\circ$ $\circ$ $\circ$ $\circ$ $\circ$ $\circ$ $\circ$ $\circ$ $\circ$ $\circ$	
11 12 13 14 15	Steu: Acu  Acu: Ci: Cicu Steu: Ast St: Steu	Cu: Steu: Acu Cu: Steu Cu: Acu: Cist St: Steu St: Steu	Acu Acu Ci: Cist Steu	4 0 8 10 10		8 7 9 .0 1	2 0 4 3 - 8 0 9	0	<b>J</b> 1 H J	K G i j	J K i J i - i i J J	F	GGG							$p \bigoplus^{o} p : \square n$ . $\triangle$ early $a$ . $\triangle$ early $a : \square n$ .	
16 17 18 19 20	Steu: Ast Acu Acu: Ast: Cist  St:Steu	St: Steu Cist Acu Cu: Steu Cu: Steu	Steu Cist St: Steu: Ci	10 3 9 0 9	10 1 9 1 9 7 9	.0 1 .0 5 7	0 10 9 10 9 7 7 0	10 4 9 0	J i i J	J i j i	i i J J K J J J	H	K			•:-		:::	•••	•• late $p$ . $p ••$ early $a$ .	
21 22 23 24 25	Steu St: Steu  Steu: Ast Acu: C1	St:Steu Steu: Acu Cu	Steu: Acu Acu Steu Steu	2 10 0 10 5	9 1 0 10	0 0 0 9	0 0 8 9 0 1 4 9 5 1	8 0 10 10	H G H	H G G	i i H G J J G H i i	H	D H H				:::	:::	 	$igsquare$ early $a$ . $igsquare$ early $a$ . $igodeta^\circ$ early $a: p igodeta^\circ p$ . $m \ n$ .	
26 27 28 29 30	St St: Steu Steu St: Steu St: Steu St: Steu: Acu	Steu: Acu St: Steu Steu: Acu: Ast Steu: Acu: Ast	Steu Steu Steu Steu Steu: Ast	10 10 10 9 7	10 1 9 1 10 1 10 1	0 0 0 1 0 9	0 10 - 10 0 10 9 2	8 10 10 3 9	BJJJJ	B J J J	G H J J J J J K	G G 1 J K	G			•°	:::		.:. ●°	F $\square$ a. $\bigcirc$ a and n. $\bigcirc$ b p. $\bigcirc$ p.	
3ì	Steu: Acu:Ci	Frnb: Nbst	Frnb: Nbst	3	9 1	0 1	0 10	8	J	K .	J J	1	K			•	•	•		$lacktriangle$ early $a: lacktriangle p: lacktriangle^0 n$ .	
Mean Cloud Am'nt.				7-1	<b>7-6</b> 8	07-	4 6-0	5-8													
	7h	13h	18h	7h	9h 13	њ 15	h 18h	21ь	7h	9h 1.	3h 15	h 18h	21h	7h	9h	13b	15h	18h	21 h	D and a st 117 - 41	on of the Day
Day		Cloud Forms			Cloud (All					Vis	sıbilit	y			Pr	ecip	itati	ion.	•	Remarks on the Weat	ner of the Day.

,		Cloud Forms			Cloud (All	i An		t		v	isibi	lity				Pre	ecip	oita	tior	1,	Remarks on the Weather of the Day.
Day	7h	13h	18h	7h	9b	3h 15	h 181	21h	7h	9ь	13h	51-	Bh 21	ь 7	7h	9h 1	Зħ	15b	181	21 h	·
1 2 3 4 5 6 7 8 9 10	Frnb: Nbst St: Steu Steu: Acu: Ci Steu: Ast: Acu Acu: Ci St: Steu: Acu St Steu: Acu: Ast Frnb: Steu: Ast St Steu: Ast: Acu Frnb: Nbst	Stou: Ast: Acu Frnb:Stou: Ast Cu: Freu:Acu Cu: Freu St: Acu Stou: Mbst:Cist Frnb: Mbst Stou: Ast Stou: Cu Frnb: Cunb: Cu Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou Cu: Stou	Steu: Acu Steu: Acu Steu Steu Steu Steu Acu: Ci Frnb: Nbst Steu: Aist Acu Steu: Acu Steu: Acu Steu: Acu: Cist Steu: Ci	5 10 0 3 10 10 9	10 1 9 10 2 10 1 8 10 9	9 10 9 10 9 5 5 3	9 1 0 10 9 5 3 0	3 5 10 3 10 5 7 5	H G B i	H F D H i	i G H i K	i 0	F F G F G G F G G F G F G F G F G F G F				•	• : :	•	 •°	<ul> <li>■ a : ● 0 late p.</li> <li>● a.</li> <li>● early a : ● 0 late p.</li> <li>● early a.</li> <li>F a : ● 0 p and n.</li> <li>● 0 p.</li> <li>● 0 a : p and n.</li> <li>F p ● a : p p p : ● n.</li> <li>a : p ● 0 late p.</li> <li>p ● 0 a and p : ● 0 n.</li> <li>F a : ● 0 p.</li> <li>● early a : p ● p : ● 0 n.</li> <li>● 0 a.</li> <li>● a a.</li> <li>early a : ● 0 p and n.</li> <li>● 0 a : p ● 0 p.</li> </ul>
14 15 16 17 18 19 20	Steu: Acu: C1 Steu: Acu: C1 Frnb:Nbst Frnb:Nbst Steu Steu: Acu Steu: Acu Steu: Acu: Ast	St: Steu Frnb: Nbst Nbst Steu Cu: Steu: Ci St: Steu	St: Stou Stou: C1 Stou Frnb: Nbst Stou Stou: Ast St:Stou St	10 10 10 7 10	9 10 9 9 10 1	9 6 9 10 9 10	5 - 10 10 10 10	7 10 10 10	H H H G	i H i D G	H H i i F	H F H H J F F	G I I I I I			• • • • • • • • • • • • • • • • • • • •	•	•° : •°	 • '		a: $p \bullet^0 p$ . $\bullet \circ a: p \bullet^0 p: \bullet \text{ late } n.$ $\bullet \circ \circ a: p \text{ and } n.$ $\bullet \circ \circ a: p \text{ and } n.$ $\bullet \circ \circ a: p \text{ and } n.$ $\circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ \circ$
22 23 24 25	Stou Stou: Acu Stou: Acu Acu Stou	St: Steu Cu:Steu: Acu Acu St: Steu:Acu Stcu: Ast: Acu	St Acu Stcu  Cu: Stcu	8 10 8 7 2														::			$p \bullet^{0} p$ . $\square \text{ early } a : m n$ . $\square m a : m p \text{ and } n$ . $\square \text{ early } a : \bullet^{0} n$ . $\oplus p$ .
27 28 29 30	Acu Frab: Nbst 'Stcu: Acu Stcu: Acu	Cist: Ci Stou Frou: Acu: Ci Frnb: Stou: Ast	Ast: Ci: Cist Steu: Aeu:Ast Steu Steu: Ast	10 3 9	5 10 8 10 1	3 8	9 9 9 10	10 9 5 10	H H H	i H i	1 1 1	H H	J	11	1	•	ŀ				$ \bigoplus_{0}^{n} \text{ early } a, \text{ and late } n. $ $ \bigoplus_{0}^{n} p. $ $ \bigoplus_{0}^{n} a : \bigoplus_{p} p. $
Mean Cloud Am'nt.				<b>7</b> • 7	8-0 B	18.	4 6-5	6.7						$\perp$							

#### 539. KEW OBSERVATORY

DECEMBER, 1935

1 2 3 4 5	Frab: Mbst Steu: Acu Steu: Acu: Ast Steu Steu Steu	Cu: Acu: Ci Cu: Steu Ast Frnb: Steu: Ci	Frnb: Hbst Steu Acu	7 7	8 8	3 - 3 5 9 9 0 0	2	0 1 3 4	J H H G	i i H H G	K - J J H G 1 1	1 G G E	J G F		•	۱				● early a and n.  □ early a.  ● a: □ □ n.  ● early a: f □ n.
6 7 8 9	Steu St: Steu Steu: Aeu Steu St: Steu	Stou St Acu: Ci: Cicu Stou Stou	St: Steu St Steu St: Steu St: Steu	10 10 4 10 10	9 10	9 10	7 9 10	10 9 4 7 10	H H H H	F B H H	E F B D H - H H	EH	D G i H	•	•			  •°		
1 2 3 4 5	Frnb: Mbst Stcu Stcu Stcu Frnb:Mbst	Steu: Frab Steu Steu Steu Steu	Steu: Frnb Steu Steu Steu Steu Steu	10 10 10 10 10							H H H H H H	H	1 H H G	•	•		-		i	$lacktriangle$ 0 a : $p$ and $n$ . $\lacktriangle$ $a$ : $p \in {}^{0} p$ .
.6 .7 .8 .9	Stou: Acu St Stou St: Stou Stou: Acu	Stou Stou Cist St	Steu Cist St	3 10 2 10 7						J B F E		G F F	F G E G D		•	•°	•	 **°		
21 22 23 24 25	St: Steu  St Frnb: Nbst Steu	St St Stcu	St Steu Steu	10 0 10 10 9								G G	F B C	:	0	 •°	:: :: ::		 •°	$f a : m p and n : \square all day.$ $m p : \square all day.$ $F \square a, p and n.$ $\bigcirc^0, \bigcirc^0 f a : f p : \bigcirc^0 f n.$ $\bigcirc^0 early a : \bigcirc^0 p.$
16 17 18 19	Steu Frab: Mbst Steu St: Steu St: Steu	Steu Frnb: Nbst Frnb: Ast Steu Frnb:Cunb:C1	Steu Steu St: Steu St: Steu Frnb: Nbst	10 1 10 1 10 1 10 1					H H G H	H H G	H 1 H H H -	i i	1 G G H	•		•	•	 	 •°	•• a and p. •• a and p.
11	Frnb: Nbst	Frnb: Nbst	•	10 1	10 10	10	0	8	H	H	1 H	H	H	•	•	•	<b>•</b> 3		<u> </u>	● • • • • • • • • • • • • • • • • • • •
lean loud m'nt.				8-4 8	-2 7-	97-6	6-9	6-7												
lean inual loud m'nt.				7-1	7-5	3 7.5	6-7	5-9												
	7h	13h	18h	7ь	9h  13	h 151	184	21b	7h	9ь	[3h]	5h 18	34211	71	9h	13b	15h	18h	21b	Remarks on the Weather of the Day.
ay		Cloud Forms		T		Am	ount ms)			V	istbil	ity		Γ	P	recip	oitat	ion.		Actualis on the World of the Pay.

ELECTRICAL OBSERVATIONS, UNDERGROUND LABORATORY, WILSON METHOD Mean value for periods of 20 min. about  $14\frac{1}{2}h$ .

F = Potential Gradient; unit 1 volt/cm.  $\lambda$ + = Conductivity due to positive ions; unit  $10^{-18}$ /ohm.cm.

i = Air-earth current; unit  $10^{-18}$  amp/cm²

540. KEW OBSERVATORY

1935

350-16		0 m110===		]	ebruary		Γ	March		Γ	April			May			June	
Month		anuary		1						<u> </u>			-	<u>μα.y</u> λ+	1	F	λ+	1
Day	F	λ+	i	F	λ+	1	F	λ+	i	F	λ+	i	F		1	r	. ^+	
.1				<b> </b>	•••	• • •	3-25	36	112	2-45	54	133		•••			• • • •	
2	2.80	16	44		•••	• • •		•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
3 4	3·95 2·95	13 24	50 72		• • • •	•••	3.95	33	132		•••	•••		•••	•••	•••	•••	
5	•••	•••	•••	3-65	35	126	3.10	25	78	4-65	31	144	•••	•••		•••	•••	••
6		•••			•••	•••	2.70	23	62					•••	•••	1.35	97	13
7 8	9•05	• • • • 5	41	5 · 70 6 · 35	30 17	172 111	4 • 25 5 • 25	19 27	81 145	:::	•••	:::	3-50	48	167	•••	•••	
9	9-05	•••	41	0.39	17	•••	3-23	•••	140	2-80	37	104	3.60	54	195	•••	•••	
10	5•05	18	89	••••	•••	• • • •	•••	•••	•••	2.40	56	134	3•45	45	155	4	•••	•••
11		•••		6.30	19	122	5 - 20	25	133	3-05	41	125		•••		2.15	58	12
12 13	•••	. •••	•••	· · ·	•••	• • •	5·10 5·25	29 17	148 89	4.50	30	134	2-85	53	153	2•75	54	15
14	4.10	20	81	2.85	33	95	5-00	13	66		•••	:::		•••		2.70	43	11
15	5-10	14	70	•••	•••	•••	3•05	38	117	3-10	38	117	2•30	50	114	•••	•••	••
16	4•35	18	79		•••	•••	•••	•••	•••	5 • 20	41	213 98	2·15 1·20	41 41	89 49	2.10	53	111
17 18	1.95 5.85	19 15	38 90	2.90	28	81	4.65	30	141	2•65 2•55	36 41	106	1-20	•••		2.40	56	13
19		•••	•••		•••		2.50	61	153		•••		••••	• • •	•••	2•30	53	12
20	•••	•••	•••	••••	•••	•••	4.20	. 44	184	***	•••	•••	***	•••	•••	•••	• ;••	
21		•::	• • • •	4.00	32	127		•••	•••	•••	. • • •	•••	4.55 3.15	40 43	182 134	3.45	49	17
22 23	5.80 5.55	11 16	67 90	3.10	27	85		• • • •	•••	5-45	19	103	2-90	61	177		• • •	
24		•••			•••	•••		• • • •	•••	3•75	32	121	2-60	74	195	3 • 25	57	18
25	•••	•••	•••	•••	•••	•••	3•20	36	115	•••	•••	•••	•••	•••	•••	•••	•••	
26	•••	•••	•••	2.95	33	99		•••		4.70	28	133	1.70	73	125	2•35	67	1.5
27 28	8 • 25	15	122	3.75	28	104	2.80	35 37	99 110		•••		1.40		•••	2.45	54	ia
29	6•25	13	84				3-95	33	131			•••	1•45	60	88	•••	• • •	•••
30	4.85	12	61				•••		•••	••••	<i>,</i> ••••	•••		•••	•••	•••	•••	•••
31	•••	•••	•••					•••	•••				3•35	17	62			
																		_
Mean of days	5.05	15	72	4.15	28	112	3•90	31	116	3-65	37	128	2-75	50	135	2.25	53	12
used	15	15	1.5	10	10	10	18	18	18	13.	13	13	14	14	14	12	12	1
Month	-	July			August		5	eptembe:	r	(	october		1	November		1	December	,
Day	F	λ+	1	F	λ+	1	F	λ+	1	F	λ+	1	F	λ+	1	F	λ+	1
_					00	100	l i		. :	3•35	29	97	<b> </b>	•			•••	- 2
1	2.30	27	63 154	3 • 25	37	122	2.60	58	151		•••					3.30	26	8
		61		1			2.30	61	141				]			5 - 75		7
2 3	2•50 2•55	64	163			ı			999	•••		•••	3.15	40	125	4-40	14 19	1 8
2 3 4	2•50 2•55 2•40	64 45	107	•••	•••	•••	4.15	55 48	228 106		•••		3-15	40	125	4-40	19	
2 3 4 5	2•50 2•55	64			•••	•••	4·15 2·20	48	106	•••	•••	•••	•••	•••	•••	•••	19 	
2 3 4 5	2.50 2.55 2.40 2.10	64 45 46	107 97		•••	•••	4·15 2·20 2·45	48 51	106 127				1		1 1	1	19	
2 3 4 5 6 7 8	2.50 2.55 2.40 2.10	64 45 46 	107 97  88		•••	•••	4·15 2·20 2·45	48 51 	106 127 	3•50 4•70	24 25	85 116	•••	•••	•••	•••		
2345 6789	2.50 2.55 2.40 2.10  3.15 1.25	64 45 46  28 49	107 97  88 62	•••	•••	•••	4·15 2·20 2·45  2·10	48 51	106 127	 3•50	24	85	•••	•••		•••		
2 3 4 5 6 7 8 9 10	2.50 2.55 2.40 2.10	64 45 46 	107 97  88	•••	•••	•••	4.15 2.20 2.45  2.10 1.50	48 51  49 60	106 127  103 90	3•50 4•70 3•10 2•45	24 25 43 37	85 116 134 91	•••	•••	•••	2·10 5·55	19   19 21	11
2 3 4 5 6 7 8 9 10	2.50 2.55 2.40 2.10  3.15 1.25 1.30	64 45 46  28 49 73	107 97  88 62 97	•••	•••	•••	4.15 2.20 2.45  2.10 1.50	48 51  49 60	106 127  103 90	3•50 4•70 3•10	24 25 43	85 116 134	•••	•••		2·10 5·55	19  19 21	11
2 3 4 5 6 7 8 9 10 11 12 13	2.50 2.55 2.40 2.10  3.15 1.25 1.30	64 45 46  28 49 73	107 97  88 62 97	•••	•••	•••	4.15 2.20 2.45  2.10 1.50	48 51  49 60	106 127  103 90 96 	3.50 4.70 3.10 2.45	24 25 43 37	85 116 134 91	4-50 4-20 5-75	22 25 15	97 103 85	2·10 5·55 5·95 3·35	19  19 21	10
2 3 4 5 6 7 8 9 10 11 12 13 14	2.50 2.55 2.40 2.10 3.15 1.25 1.30	64 45 46  28 49 73	107 97  88 62 97			•••	2-45  2-10 1-50 1-80	48 51  49 60 64  47	106 127  103 90 96  85	3.50 4.70 3.10 2.45	24 25 43 37	85 116 134 91	4-50 4-20	22 25	97	2·10 5·55	19  19 21	11
2 3 4 5 6 7 8 9 10 11 12 13 14 15	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50	64 45 46  28 49 73  36 	107 97  88 62 97 161 				4·15 2·20 2·45  2·10 1·50 1·50	48 51  49 60 64  47	106 127  103 90 96 	3.50 4.70 3.10 2.45	24 25 43 37	85 116 134 91 	4-50 4-20 5-75	22 25 15	97 103 85	2-10 5-55 5-95 3-35 3-90	19 19 21 17 18 16	1:
2 3 4 5 6 7 8 9 10 11 12 13 14 15	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50 2.15	64 45 46  28 49 73  36  34	107 97  88 62 97  161  72				4·15 2·20 2·45  2·10 1·50 1·50  2·45	48 51  49 60 64  47	106 127  103 90 96  85	3.50 4.70 3.10 2.45	24 25 43 37	85 116 134 91	4-50 4-20 5-75	22 25 15	97 103 85	2·10 5·55 5·95 3·35 3·00	19 19 21 17 18 16	i
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50	64 45 46  28 49 73  36 	107 97  88 62 97 161 				4-15 2-20 2-45  2-10 1-50 1-50  2-45	48 51  49 60 64  47 	106 127  103 90 96  85 	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00	24 25 43 37  27 30 26 34 44	85 116 134 91  117 105	4-50 4-20 5-75	22 25 15	97 103 85	2·10 5·55 5·95 3·35 3·00	19	i
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 10	2-50 2-55 2-40 2-10  3-15 1-25 1-30  4-50  2-15 1-15 1-180	64 45 46  28 49 73  36  34 59 55 67	107 97  88 62 97  161  72 117 64 122				4-15 2-20 2-45  2-10 1-50 1-50	48 51  49 60 64  47 	106 127 103 90 96 85 119	3.50 4.70 3.10 2.45  4.25 3.50 4.15	24 25 43 37  27 30 26 34	85 116 134 91  117 105	4-50 4-20 5-75	22 25 15	97 103 85	2·10 5·55 5·95 3·35 3·00	19 19 21 17 18 16	i
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 19 20	2-50 2-55 2-40 2-10 3-15 1-25 1-30 4-50 2-15 1-15 1-80	64 45 46  28 49 73  36  34 59 55 67	107 97  88 62 97  72 117 64 122	2-60 1.70	74		4-15 2-20 2-45  2-10 1-50 1-50  2-45  3-40 3-00	48 51 49 60 64 47 49 61 46	106 127 103 90 96 85 119 208 139	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00	24 25 43 37  27 30 26 34 44	 85 116 134 91  117 105 108 148 133	4-50 4-20 5-75  4-75 3-85	22 25 15  21 22	97 103 85  99 85	2·10 5·55 5·95 3·35 3·00  9·75	19	i
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2-50 2-55 2-40 2-10  3-15 1-25 1-30  4-50  2-15 1-15 1-180	64 45 46  28 49 73  36  34 59 55 67	107 97  88 62 97  161  72 117 64 122				4-15 2-20 2-45  2-10 1-50 1-50 1-80  2-45	48 51  49 60 64  47  49	106 127 103 90 96 85 119 208 139	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00	24 25 43 37  27 30 26 34 44 	 85 116 134 91  117 105 108 148 133 	4-50 4-20 5-75 	22 25 15 	97 103 85 	2·10 5·55 5·95 3·35 3·00	19 19 21 17 18 16 9 8	11
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 19 20 21 22 23	2-50 2-55 2-40 2-10 3-15 1-25 1-30 4-50 2-15 1-80  2-25 1-55	64 45 46  28 49 73  36  34 59 55 67 	107 97  88 62 97  72 117 64 122  106 86	     2.60 1.70			4-15 2-20 2-45  2-10 1-50 1-50 1-80  2-45  3-40 3-00	48 51 49 60 64 47 61 46 53	106 127 103 90 96 85 119 208 139	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05	24 25 43 37  27 30 26 34 44  42 18	 85 116 134 91  117 105 108 148 133  117 100	4-50 4-20 5-75  4-75 3-85	22 25 15  21 22 25	97 103 85  99 85	2·10 5·55 3·35 3·00  9·75	19	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22	2-50 2-55 2-40 2-10 3-15 1-25 1-30 4-50  2-15 2-05 1-15 1-80 	64 45 46  28 49 73  36  34 59 55 67 	107 97  88 62 97  72 117 64 122 	2-60 1-70			4-15 2-20 2-45  2-10 1-50 1-50 1-80  2-45  3-40 3-00	48 51 49 60 64 47 61 46	106 127 103 90 96 85 119 208 139	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00	24 25 43 37  27 30 26 34 44 	 85 116 134 91  117 105 108 148 133 	4-50 4-20 5-75  4-75 3-85	22 25 15  21 22	97 103 85  99 85 	2-10 5-55 5-95 3-35 3-00  9-75 6-95	19	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50 2.15 1.80  2.25 1.55 2.40 2.35	64 45 46  28 49 73  36  34 59 55 67  47 55 54 61	107 97  88 62 97  72 117 64 122  106 86 131 142	    2-60 1.70 1-60 1-45 1-85			4-15 2-20 2-45  2-10 1-50 1-50 1-80  2-45  2-45  2-90	48 51 49 60 64 47 61 46 53	106 127 103 90 96 85 208 139 153 103	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05 5.95 3.45	24 25 43 37  27 30 26 34 44  42 18 37 17	 85 116 134 91  117 105 108 148 133  117 100 114 104 118	4-50 4-20 5-75  4-75 3-85	22 25 15  21 22 	97 103 85 99 85 77	2·10 5·55 3·35 3·35 3·00  9·75	19	i
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 19 20 21 22 23 24	2.50 2.55 2.40 2.10  3.15 1.25 1.30  2.15 2.05 1.180  2.25 1.55 2.40	64 45 46  28 49 73  36  34 59 55 67  47 55 55	107 97  88 62 97 161  72 117 64 122  106 86 131	2-60 1.70 1-60 1-85			4-15 2-20 2-45  1-50 1-50 1-80  2-45  3-40 3-00	48 51  49 60 64  47  61 46	106 127 103 90 96 85 208 139	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05 5.95	24 25 43 37  27 30 26 34 44  42 18 37 17	 85 116 134 91  117 105 108 148 133  117 100 114	4-50 4-20 5-75  4-75 3-85  8-05	22 25 15  21 22  13  9	97 103 85 99 85 77 73 83 68	2·10 5·55 3·35 3·00  9·75 	19 8	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22 23 24 25 26 27 28	2-50 2-55 2-40 2-10 3-15 1-25 1-30 2-15 2-05 1-15 1-80  2-25 1-55 2-40 2-35 1-95	64 45 46  28 49 73  36  34 59 55 67  47 55 46 61 43 	107 97  88 62 97  72 117 64 122  106 86 131 142 84 	2-40 3-10 2-30			4-15 2-20 2-45  1-50 1-50 1-50  2-45  3-40 3-00  2-65 2-30 2-75	48 51 49 60 64 47 61 46 53 49 68	106 127 103 90 96 85 208 139 103 113 187	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05 5.95 3.45	24 25 43 37  27 30 26 34 44  42 18 37 17 34	 85 116 134 91  117 105 108 148 133  117 100 114 1104 118	4-50 4-50 5-75  4-75 3-85  5-75  8-05	22 25 15  21 22  13  9	97 103 85 99 85 77 73 83	2-10 5-55 5-95 3-35 3-35 3-00  9-75	19	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 19 20 21 22 23 24 25 26 27	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50  2.15 1.80  2.25 1.55 2.40 2.35 1.95	64 45 46  28 49 73  36  34 59 55 67  47 55 54 61	107 97  88 62 97  72 117 64 122  106 86 131 142 84 	2-60 1-70 1-85 1-85 2-40 3-10	         		4-15 2-20 2-45  1-50 1-50 1-50 1-80  2-45  3-40 3-00 2-65 2-30 2-75	48 51 49 60 64 47 61 46 53 39 49 68	106 127 103 90 96 85 119 208 139 153 103	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05 3.05 3.05 3.05	24 25 43 37  27 30 26 34 44  42 18 837 17 34	 85 116 134 91  117 105 108 148 133  117 100 114 104 118	4-50 4-20 5-75  4-75 3-85  8-05	22 25 15  21 22  13  9	97 103 85  99 85  77  73 83 68 111	2·10 5·55 3·35 3·00  9·75	19 8	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 17 18 20 21 22 23 24 25 26 27 28 29	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50 2.15 2.05 1.15 1.80  2.25 1.55 2.40 2.35 1.95	64 45 46  28 49 73  36  34 59 55 67  47 55 54 61 43 	107 97  88 62 97  72 117 64 122  106 86 131 142 84  88	2-40 3-10 2-30 1-40			4-15 2-20 2-45  2-10 1-50 1-50 1-80  2-45  2-45  2-90  2-65 2-30 2-75	48 51 49 60 64 47 61 46 53 39	106 127 103 90 96 85 119 208 139 153 103	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05 5.95 3.45	24 25 43 37  27 30 26 34 44  42 18 37 17 34	 85 116 134 91  117 105 108 148 133  117 100 114 104 118 	4-50 4-50 4-20 5-75  4-75 3-85  8-05 3-90 6-20 4-10	22 25 15  21 22 25 15  21 22  9	97 103 85  99 85  77  73 83 68 111	2-10 5-55 5-95 3-35 3-90  6-95	19	i
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	2.50 2.55 2.40 2.10  3.15 1.25 1.30  2.15 2.05 1.15 1.80  2.25 1.55 2.40 2.35 1.95	64 45 46  28 49 73  36  47 55 67  47 55 54 61 43  53	107 97  88 62 97  72 117 64 122  106 86 131 142 84  88 	2-40 3-10 2-30 1-40			4-15 2-20 2-45  1-50 1-50 1-50 1-80  2-45  3-40 3-00 2-65 2-30 2-75 	48 51 49 60 64 47 61 46 53 39 49 68	106 127 103 90 96 85 208 139 103 113 187	3.50 4.70 3.10 2.45  4.25 3.50 3.50 3.00  2.75 5.50 3.05 5.95 3.45	24 25 43 37  27 30 26 34 44  42 18 37 17 34  31	 85 116 134 91  117 105 108 148 133  117 100 114 104 118	4-50 4-20 5-75  4-75 3-85  5-75  8-05 3-90 6-20 4-10	22 25 15  21 22  13  9 21 11 27  26	97 103 85 99 85 77 73 83 68 111 88	2·10 5·55 3·35 3·00  9·75 	19	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 19 20 21 22 23 24 25 26 27 28 29 30 31	2-50 2-55 2-40 2-10 3-15 1-25 1-30 2-15 2-05 1-15 1-80 2-25 1-55 2-40 2-35 1-95 	64 45 46  28 49 73  36  34 59 55 67  47 55 461 43  53 	107 97  88 62 97  72 117 64 122  106 86 131 142 84  88 	2-40 3-10 2-15			4-15 2-20 2-45  1-50 1-50 1-50  2-45  2-45  2-65 2-30 2-75 	48 51 49 60 64 47 61 46 53 53 49 68 54	106 127 103 90 96 85 119 208 139 153 103	3.50 4.70 3.10 2.45  4.25 3.50 4.15 4.35 3.00  2.75 5.50 3.05 5.95 3.45	24 25 43 37  27 30 26 34 44  42 18 37 17 34	 85 116 134 91  117 105 108 148 133  117 100 114 104 118  92	4-50 4-20 5-75 3-85  8-05 3-90 6-20 4-10	22 25 15  21 22 25 15  21 22 22  21 22 27  26	97 103 85 99 85 77 73 83 68 111 88	2-10 5-55 5-95 3-35 3-90  6-95	19	1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 19 20 21 22 23 24 25 27 28 29 30 31	2.50 2.55 2.40 2.10 3.15 1.25 1.30 4.50 2.15 2.15 1.80 2.35 1.95 2.40 2.35 1.95	64 45 46  28 49 73  36  47 55 67  47 55 54 61 43  53	107 97  88 62 97  72 117 64 122  106 86 131 142 84  88 	2-40 3-10 2-30 1-40			4-15 2-20 2-45  1-50 1-50 1-50 1-80  2-45  3-40 3-00 2-65 2-30 2-75 	48 51 49 60 64 47 61 46 53 39 49 68	106 127 103 90 96 85 208 139 103 113 187	3.50 4.70 3.10 2.45  4.25 3.50 3.50 3.00  2.75 5.50 3.05 5.95 3.45	24 25 43 37  27 30 26 34 44  42 18 37 17 34  31	 85 116 134 91  117 105 108 148 133  117 100 114 104 118	4-50 4-20 5-75  4-75 3-85  5-75  8-05 3-90 6-20 4-10	22 25 15  21 22  13  9 21 11 27  26	97 103 85 99 85 77 73 83 68 111 88	2·10 5·55 3·35 3·00  9·75 	19	

541. KEW OBSERVATORY

		1035.

Month	JANU	ARY	FEBR	WARY	MA!	CH	APR	<b>I</b> L	h	MY	Ju	NE
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	0	0.6	0	1-4	1 1	1•4 1•8	1	0•9 1•2	<b>2</b> 0	4.0	2	3·2 2·4
3	ō	•••	ĭ	2-8	î	1.0	ī	1.4	ŏ	•••	i	1.9
4	0	•••	1	0-8	0	•••	2	3-0	0	•••	1	0-4
5	0	•••	1	1.0	1	0-1	1	1.1	0	•••	2	4-4
6	. 1	2-2	2	7-8	0	•••	1	0-9	0	•••	1	2.7
7 8	1	1.9	1	0-6	0	•••	2	11-5	0 .	•••	2	3.3
9	ō	1.4	0	0-5	0	0-8	2 1	<b>4-4</b> 0-6	1 0	0.1	1 0	0-8
10	0	•••	1	1-4	Ŏ	•••	ī	1.5	Ö	• • •	ĭ	2.7
11	2	<b>3-</b> 0	0	•••	0	•••	1	0-9	1	0-3	1	1.3
12	0	•••	1	0-3	1	2.7	0	•••	0		ō	•••
13	1	(0.5)	1	2.0	1	0-1	1	2-0	0	:-:	0	•••
14 15	1 0	(0.2)	0 2	3-5	2 0	5-6	1	1.0 2.0	2 .	5-4 6-9	1 2	0•5 4•6
16 17	1 1	0•2 2•6	1 0	0-6	1	0•6 Q•5	2 2	3·8 3·1	1 0	2-4	2 1	3•0 0•7
18	i	0.4	Ö	•••	ō		1	2.0	2	3-6	1	0.7
19	0	•••	0	•••	O	•••	1	1.0	2	7-2	1	1-9
20	1	1.1	1	1-9	0	•••	1	2-8	2	7•0	1	1.0
21	2	4-4	1	2-0	o	•••	1	0-1	0		0	•••
22	ľ	0•7	2	8-5	1	1.0	1	0.3	0	•••	0	•••
23 24	0 1	0-6	0 <b>2</b>	<b>5-</b> 0	<b>2</b> 0	4-6	1 0	1.0	2 1	3·4 2·9	0	•••
25	i	2-3	2	3-1	ő	•••	1	2.1	2	6-4	1	2-0
-									_		_	
26 27	2 2	5•8 9•4	0 2	6-1	0 1	0-3	0	•••	1	1·1 0·6	0	•••
28	0	•••	ĩ	0-4	0	•••	Ō	•••	1	1.4	0	•••
29 30	1	0·1 0·1			1 2	0•2 3•4	0 1	•••	2	7-0	0	•••
<b>3</b> 0	1	0.1			2	3.4	1	0-3	2	7-3	U	•••
31	1	1.7			0	•••			0	1.2		
		39-2		49.7		24.1		48-9		68-2		37-1
Total		28.5										<del></del>
io.of Days		·										
		31		28		31		30		31		30
No.of Days		·				31 0-8		30 1•6		31 2•2	# 40 40 # 40 -4	30 1·2
No.of Days Used.	***	31		28				1.6		2-2		1.2
No.of Days Used. Mean		31 1.3 C Duration	AUGU:	28 1.8 ST Duration	SEPT	0-8 EMBER Duration	OCTO	1.6 BER Duration	NOVE	2.2 MBER Duration	DECEM	1.2 BER Duration
o.of Days Used. Mean	***	31 1.3 Duration		28 1.8 ST Duration	SEPT	0-8 EMBER Duration		1.6 BER Duration	NOVE	2•2 MBER	***	1.2 BER Duration Negative
Used.  Wean  Month	JUL:	31 1-3 C Duration Negative Pot.Grad	AUGU:	28 1.8 ST Duration Negative Pot.Grad.	SEPT	0-8 EMBER Duration Negative Pot.Grad.	OCTO:	1.6 BER Duration Negative Pot.Grad.	NOVE	2.2 MBER Duration Negative Pot Grad.	DECEM Character	1.2 BER Duration Negative Pot.Grad
o.of Days Used. Wean Month	JULI Character	31 1.3 C Duration Negative Pot.Grad 1.3	AUGU: Character	28 1.8 ST Duration Negative Pot.Grad.	SEPT	0-8  SMBER  Duration Negative Pot.Grad.	OCTO	1.6 BER Duration Negative Pot.Grad. 1.1	NOVE Character	2.2  MBER  Duration Negative PotGrad.  1.3	DECEM Character	1-2 BER Duration Negative Pot.Grad
o.of Days Used. Mean Month	JUL:	31 1-3 C Duration Negative Pot.Grad	AUGUS Character 0 1 1	28 1.8 ST Duration Negative Pot.Grad.	SEPT	0-8 EMBER Duration Negative Pot.Grad.	OCTO:	1.6 BER Duration Negative Pot.Grad. 1.1 0.8	NOVE	2.2 MBER Duration Negative Pot Grad.	DECEM Character	1.2 BER Duration Negative Pot.Grad
O.of Days Used.  Mean  Month  Day  1 2 3 4	JULI Character	31 1-3  Duration Negative Pot.Grad 1-3 4-3	AUGU: Character	28 1.8 ST Duration Negative Pot.Grad. 0.1 0.1	SEPTI Character I	0.8  EMBER  Duration Negative Pot.Grad.  0.6 0.8 0.1 1.8	OCTO	1.6 BER Duration Negative Pot.Grad. 1.1 0.8 2.2 6.1	NOVE	2.2  MEER  Duration Negative Pot.Grad.  1.3 0.6 3.1	DECEMO	1-2 BER Duration Negative Pot.Grad 2-3 3-6
o.of Days Used. Mean Month	JULY Character  1 2 0	31 1-3 C Duration Negative Pot.Grad 1-3 4-3	AUGUS Character 0 1 1	28 1-8 ST Duration Negative Pot.Grad. 0-1 0-1	SEPTI	0.8  CMBER  Duration Negative Pot.Grad.  0.6 0.8 0.1	OCTO	1.6 BER Duration Negative Pot.Grad.  1.1 0.8 2.2	NOVE	2.2  MBER  Duration  Negative  Pot.Grad.  1.3  1.3  0.6	DECEM Character  1 0 0	1-2 BER Duration Negative Pot.Grad 2-3
No. of Days Used.  Mean  Month  Day  1 2 3 4 5		31 1-3  Duration Negative Pot.Grad 1-3 4-3	AUGUS Character  0 1 1 0 0	28  1.8 ST Duration Negative Pot.Grad.  0.1 0.1 0.1	SEPTI Character 1 1 1 1 1	0.8  EMBER  Duration Negative Pot.Grad.  0.6 0.8 0.1 1.8	OCTOM Character  1 1 2 1 0	1.6 BER Duration Negative Pot.Grad. 1.1 0.8 2.2 6.1	NOVE Character  1 1 2 1	2.2  MEER  Duration Negative Pot Grad.  1.3 1.3 0.6 3.1 2.1	DECEM Character	Duration Negative Pot.Grad.  2.3 3.6 0.8
o.of Days Used.  Mean  Month  Day  1 2 3 4 5 6 7		31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2		28  1.8 ST Duration Negative Pot.Grad.  0.1 0.1 0.1 0.1 0.1	SEPTI Character 1 1 1 1 0 0	O-8  MBER  Duration Negative Pot.Grad.  O-6 O-8 O-1 1-8 2-4	00TO) Character  1 1 2 1 0 0	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4	NOVE Character  1 1 2 1 0 2	2-2  MBER  Duration Negative Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4	DECEMON Character	Duration Negative Pot.Grad  2.3 3.6 0.8
o.of Days Used.  Mean  Month  Day  1 2 3 4 5 6 7 8	JUL1 Character  1 2 0 0 1 0 0 0	31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2		28  1.8 ST Duration Negative Pot.Grad.  0.1 0.1 0.1	SEPTI Character 1 1 1 1 1 0 0	O-8  EMBER  Duration Negative Pot.Grad.  O-6 O-8 O-1 1-8 2-4	OCTO1 Character  1 1 2 1 0 0 2	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4	NOVE Character  1 1 1 2 1 0 2 2 2	2-2  MBER  Duration  Negative  PotGrad.  1-3  1-3  0-6  3-1  2-1   9-4  4-5	DECEMON Character	Duration Negative Pot.Grad  2.3 3.6 0.8  1.0 1.1 0.6
o.of Days Used.  Mean  Month  Day  1 2 3 4 5 6 7		31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2		28  1.8 ST Duration Negative Pot.Grad.  0.1 0.1 0.1 0.1 0.1	SEPTI Character 1 1 1 1 1 1 0 0 0	O-8  MBER  Duration Negative Pot.Grad.  O-6 O-8 O-1 1-8 2-4	00TO) Character  1 1 2 1 0 0	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4	NOVE Character  1 1 2 1 0 2	2-2  MBER  Duration Negative Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4	DECEMON Character	Duration Negative Pot.Grad  2.3 3.6 0.8
Day  1 2 3 4 5 6 7 8 9 10	JUL1 Character  1 2 0 0 0 1 0 0 0 0 0	31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2		28  1.8 ST Duration Negative Pot.Grad.  0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	SEPTI Character 1 1 1 1 1 0 0 0	O-8  CMBER  Duration Negative Pot.Grad.  O-6 O-8 O-1 1-8 2-4	0CTO1 Character  1 1 2 1 0 0 2 1 2	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8	NOVE Character  1 1 2 1 0 2 2 1 2	2.2  MBER  Duration  Negative  Pot Grad.  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3	DECEMON Character	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8 1-0 1-1 0-6 3-0 5-3
O.of Days Used.  Nean  Month  Day  1 2 3 4 5 6 7 8 9 10 11 12		Juration Negative Pot.Grad  1-3 4-3 0-2		28  1.8  ST  Duration Negative Pot.Grad.  0.1 0.1 0.1 0.1 0.1 0.1 0.1	Character 1 1 1 1 0 0 0 0 0 0	O-8  MBER  Duration Negative Pot.Grad.  O-6 O-8 O-1 1-8 2-4	OCTO1 Character  1 1 2 1 0 0 2 1 2 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4	NOVE Character  1 1 2 1 0 2 2 1 2	2.2  MBER  Duration  Negative  Pot Grad.  1.3  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3  0.2	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2 BER Diration Negative Pot.Grad  2-3 3-6 0-8 1-0 1-1 0-6 3-0 5-3
Day 1 2 3 4 5 6 7 8 9 10 11 12 13		Juration Negative Pot.Grad  1-3 4-3 0-2 1-4		28  1.8  ST  Duration Negative Pot.Grad.  0.1  0.1  0.1  0.1  0.1   0.4	SEPTI Character 1 1 1 1 0 0 0 0 0 0 0 0	O-8  CMBER  Duration Negative Pot.Grad.  O-6 O-8 O-1 1-8 2-4	0CTO) Character  1 1 2 1 0 0 2 1 2 1 0 0 0 0 0 0 0 0 0	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8	NOVE Character  1 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	2.2  MBER  Duration  Negative  Pot Grad.  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3	DECEM Character  1 0 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8 1-0 1-1 0-6 3-0 5-3
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Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5		28  1.8  ST  Duration  Negative  Pot.Grad.  0.1  0.1  0.1  0.1  0.1  0.1   0.4	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  MBER  Duration Negative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5	0CTO) Character  1 1 2 1 0 0 2 1 2 1 0 0 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5	NOVE Character  1 1 2 1 2 1 2 2 1 2 2 1 2 2	2-2  MBER  Duration  Negative  Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4 4-5 2-1 3-3 0-2 5-9 4-0 2-9 2-4 6-8	DECEMON Character  1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8  1-0 1-1 0-6 3-0 5-3 1-1 5-3
Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5	AUGU: Character  0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0	28  1-8 ST  Duration Negative Pot.Grad.  0-1 0-1 0-1 0-4 6-3 0-4	Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  EMBER  Duration Regative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7	0CTO1 Character  1 1 1 2 1 0 0 2 1 2 1 0 0 1 0 0 0 0 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5	NOVE Character  1	2.2  MBER  Duration  Negative  PotGrad.  1.3  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3  0.2  5.9  4.0  2.9  2.4  6.8  22.1	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8 1-0 1-1 0-6 3-0 5-3 1-1 5-3
Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5		28  1.8  ST  Duration  Negative  Pot.Grad.  0.1  0.1  0.1  0.1  0.1  0.1   0.4	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  MBER  Duration Negative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5	0CTO) Character  1 1 2 1 0 0 2 1 2 1 0 0 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5	NOVE Character  1 1 1 2 1 0 2 2 1 2 1 2 2 2 1 2 2 2 2	2.2  MBER  Duration  Negative  Pot Grad.  1.3  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3  0.2  5.9  4.0  2.9  2.4  6.8  22.1  3.0	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8  1-0 1-1 0-6 3-0 5-3 1-1 5-3
O. of Days Used.  Mean  Month  Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	JUL: Character  1 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6		28  1-8 ST  Duration Negative Pot.Grad.  0-1 0-1 0-1 0-4 6-3 0-4 0-5	SEPT   Character	0-8  EMBER  Duration (egative Pot.Grad.)  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7	OCTO) Character  1 1 1 2 1 0 0 2 1 2 1 0 0 1 0 0 0 0 0	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 0-5	NOVE Character  1	2.2  MBER  Duration  Negative  PotGrad.  1.3  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3  0.2  5.9  4.0  2.9  2.4  6.8  22.1	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2  BER  Duration Negative Pot.Grad  2-3 3-6 0-8  1-0 1-1 0-6 3-0 5-3 1-1 1-7 5-3
Day  1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6 0-9		28  1-8 ST Duration Negative Pot.Grad.  0-1 0-1 0-1 0-4 6-3 0-4 0-5	Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  EMBER  Duration Negative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3	0CTO) Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 1 1 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 3-8 0-1	NOVE Character  1	2.2  MBER  Duration  Negative  PotGrad.  1.3  1.3  0.6  3.1  2.1   9.4  4.5  2.1  3.3  0.2  5.9  4.0  2.9  2.4  6.8  22.1  3.0  2.3  1.8	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8 1-0 1-1 0-6 3-0 5-3 1-1 5-3 1-1 2-5 4-8
O. of Days Used.  Nean  Month  Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		31 1-3  Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6 0-9		28  1.8  ST  Duration  Negative  Pot.Grad.  0.1  0.1  0.1  0.1  0.1  0.1   0.5   0.5	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  SMBER  Duration Negative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3 0-4 0-5	0CTO) Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 0 0 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 0-5	NOVE Character  1 1 2 1 2 2 1 2 2 1 2 2 1 1	2.2  MBER  Duration  Negative  PotGrad.  1.3 1.3 0.6 3.1 2.1 9.4 4.5 2.1 3.3 0.2 5.9 4.0 2.9 2.4 6.8 22.1 3.0 2.3 1.8 1.1	DECEM Character  1 0 0 1 1 1 1 1 2 1 0 2 1 0 2	1-2  BER  Duration Negative Pot.Grad  2-3 3-6 0-8  1-0 1-1 0-6 3-0 5-3 1-1 1-7 5-3 1-1 2-5 4-8
O. of Days Used.  Nean  Month  Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6 0-9 0-3		28  1-8 ST  Duration Negative Pot.Grad.  0-1 0-1 0-1 0-4 6-3 0-4 0-5 3-3	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  EMBER  Duration Negative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3 0-4 0-5 0-1	0CTO1 Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 1 0 0 1 1 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 0-1 1-2 1-2	NOVE Character  1	2-2  MBER  Duration Negative Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4 4-5 2-1 3-3 0-2 5-9 2-4 6-8 22-1 3-0 2-3 1-8 1-1 0-3	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8 1-0 1-1 0-6 3-0 5-3 1-1 5-3 1-1 2-5 4-8
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O. of Days Used.  Nean  Month  Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6 0-9 0-1 0-1 0-2	AUGU: Character  0 1 1 0 0 1 1 0 0 0 2 1 0 0 0 0 2 1 1 1 1	28  1.8 ST Duration Negative Pot.Grad.  0.1 0.1 0.1 0.1 0.4 0.4 0.5 3.3 5.6 0.1 0.1 1.3 0.2 0.4	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  SMBER  Duration Regative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3 0-4 0-5 0-1 2-9 1-8 5-1	0CTO1 Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 1 0 0 0 2 1 1 0 0 0 0	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 0-3 0-1 1-2 1-2 2-8 3-7 1-5	NOVE Character  1 1 2 1 2 2 1 2 2 1 1 0 0 0 0 0 0 0 0	2-2  MBER  Duration Negative Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4 4-5 2-1 3-3 0-2 5-9 4-0 2-9 2-4 6-8 22-1 3-0 2-3 1-8 1-1 0-3 0-5 0-4	DECEMO DECEMO DECEMO DECEMO DECEMO DECEMO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEMPO DE CEM	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8  1-0 1-1 0-6 3-0 3-5 3 1-1 1-7 5-3  1-1 2-5 4-8 4-3 3-6 4-2 5-5 3-9 4-4 6-7
Day 1 2 3 4 5 6 7 8 9 10 11 12 13 114 115 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6 0-9 0-1 0-1 0-2 0-1	AUGU: Character  O 1 1 0 0 1 1 0 0 0 2 1 0 0 0 0 2 1 1 1 1	28  1-8 ST  Duration Negative Pot.Grad.  0-1 0-1 0-1 0-4 0-5 3-3 5-6 0-1 0-1 1-3 0-2 0-4 5-3 0-1	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  EMBER  Duration Regative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3 0-4 0-5 0-1 2-9 1-8 5-1 0-8	OCTO) Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 1 1 1 0 0 2 1 1 0 0 1 1 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 3-8 0-1 1-2 1-2 1-2 1-2 2-8 2-6	NOVE Character  1 1 1 2 1 0 2 2 1 2 1 1 0 0 1 1 0 0 1 1 1 0 0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2-2  MBER  Duration  Negative  Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4 4-5 2-1 3-3 0-2 5-9 4-0 2-9 2-4 6-8 22-1 3-0 2-3 1-8 1-1 0-3 0-5 0-4 2-6	DECEMO Character  1 0 0 0 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1	1.2 BER Duration Negative Pot.Grad.  2.3 3.6 0.8 1.0 1.1 0.6 3.0 5.3 1.1 5.3 1.1 2.5 4.8 4.3 3.6 4.2 5.5 3.9 4.4 6.7 4.8
Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Total		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 1-4 1-5 1-6 0-9 0-1 0-1 0-1 0-2 0-2	AUGUS  Character  O 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 2 1 0 0 0 0	28  1.8  ST  Duration  Negative  Pot.Grad.  0.1  0.1  0.1  0.1  0.4   6.3  0.4   3.3  5.6  0.1  0.1  0.1  0.5   3.3  5.6  0.1  0.1  0.1  0.2  0.4  5.3	Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  EMBER  Duration Regative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3 0-4 0-5 0-1 2-9 1-8 5-1 0-8	OCTO) Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 1 1 1 0 0 2 1 1 0 0 1 1 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 0-3 0-1 1-2 1-2 2-8 3-7 1-5	NOVE Character  1 1 1 2 1 0 2 2 1 2 1 1 0 0 1 1 0 0 1 1 0 0 1 0 1	2-2  MBER  Duration  Negative  PotGrad.  1-3 1-3 0-6 3-1 2-1 9-4 4-5 2-1 3-3 0-2 5-9 4-0 2-9 2-4 6-8 22-1 3-0 2-3 1-8 1-1 0-3 0-5 0-4 2-6	DECEMON DECEMON DECEMBRISH TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	1-2 BER Duration Negative Pot.Grad  2-3 3-6 0-8  1-0 1-1 0-6 3-0 5-3 1-1 1-7 5-3 1-1 2-5 4-8 4-3 3-6 4-2 5-5 3-9 4-4 6-7
Day 1 2 3 4 5 6 7 8 9 10 11 12 13 114 115 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		31 1-3 7 Duration Negative Pot.Grad 1-3 4-3 0-2 1-4 1-5 1-6 0-9 0-1 0-1 0-2 0-1	AUGU: Character  O 1 1 0 0 1 1 0 0 0 2 1 0 0 0 0 2 1 1 1 1	28  1-8 ST  Duration Negative Pot.Grad.  0-1 0-1 0-1 0-4 0-5 3-3 5-6 0-1 0-1 1-3 0-2 0-4 5-3 0-1	SEPT Character 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-8  EMBER  Duration Regative Pot.Grad.  0-6 0-8 0-1 1-8 2-4 0-2 0-6 0-5 0-7 1-7 1-3 0-4 0-5 0-1 2-9 1-8 5-1 0-8	OCTO) Character  1 1 1 2 1 0 0 2 1 2 1 0 0 0 1 1 1 1 0 0 2 1 1 0 0 1 1 1 1	1-6 BER Duration Negative Pot.Grad.  1-1 0-8 2-2 6-1 0-4 4-4 0-5 3-8 0-4 0-5 3-8 0-1 1-2 1-2 1-2 1-2 2-8 2-6	NOVE Character  1 1 1 2 1 0 2 2 1 2 1 1 0 0 1 1 0 0 1 1 1 0 0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2-2  MBER  Duration  Negative  Pot.Grad.  1-3 1-3 0-6 3-1 2-1 9-4 4-5 2-1 3-3 0-2 5-9 4-0 2-9 2-4 6-8 22-1 3-0 2-3 1-8 1-1 0-3 0-5 0-4 2-6	DECEMO Character  1 0 0 0 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1	1.2 BER Duration Negative Pot.Grad.  2.3 3.6 0.8 1.0 1.1 0.6 3.0 5.3 1.1 5.3 1.1 2.5 4.8 4.3 3.6 4.2 5.5 3.9 4.4 6.7 4.8

Annual Values:- Character 0 1 2 Duration of Total Days used Mean Number of Days 141 161 63 Negative Pot.Gradient 514·1hrs 365 1·4hr.

	Month		JANUARY Fac	ctor 2.71	<u>,, </u>		FEBRUARY F	actor 2.75			MARCH Fa	ctor 2.74	
1 455 455 475 266 400 -222 315 220 100 100 400 400 400 100 400 400 400 40	Hour G.M. T.	2-3h	7	F	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h
1 485 438 475 5244 400 450 -125 318 200 800 300 800 800 800 800 800 800 800 8	Day			v/m	v/m	√/m							
\$ 300   \$400   \$300   \$300   \$465   \$485   \$485   \$1288   \$200   \$200   \$100   \$446   \$485   \$486   \$685   \$300   \$100   \$446   \$485   \$480   \$685   \$300   \$100   \$446   \$485   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480   \$480	1	435											
## 215	3	-				245						345	345
C	4			310	395	85	-15	315					
7 = 1.5	5	350	· <b>7</b> 70	530	650	260	895	400	535	465	685	290	395
Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect		490	245	460				660			480		
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Nonth   AFRIL Factor 2-85	Means (a)												
Month		(a)	413	(b)	366	(a)	406	(b)	370	(a)	346	(b)	335
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18	16						305	120			370	205	410
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24											435	230	380
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27	25	210	320	Z±	290	-315	-185	315	170	278	490	l	
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(a) 204 351 308 406 193 299 273 299 199 309 236 318 (b) 156 356 319 391 141 265 273 279 160 287 240 310			1	I	ŀ	0.5	450	385	145	1	1	}	
Mean (a) 237 (b) 205 (c) 269 (b) 239 (a) 265 (b) 249	i			ì		L ZD	700	300				1	
	31	204				193	299	273	299			236	
	31 Means (a)	204 156		319	391	193 141	299 265	273 273	299 279	160	287	240	310

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; Zt, Indeterminate in magnitude and sign.

(a) Mean from all positive readings.

(b) Mean from all complete days, using both positive and negative readings.

POTENTIAL GRADIENT (reduced to level surface, Paddock Site): VOLTS PER METRE KELVIN ELECTROGRAPH STANDARDIZED BY WILSON READINGS, UNDERGROUND LABORATORY Mean values for periods of sixty minutes, between the exact hours, Greenwich Mean Time

1935

Month		· · · · · ·									^	
			actor 2-69	00.071	0.01		actor 2-69	00.031		PTEMBER Fa		20 0315
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 1	<b>v/m</b> 230	√/m 525	√/m 335	√/m 120	√/m 55	√/m 270	√/m 335	v/m 110	v/m 160	v/m 230	v/m 255	v/m 190
	Z±	215	200	230	135	540	255	200	175	135	295	420
2 3 4	120 95	295	240	295 215	270 120	190 135	120 110	215 150	285 230	430 Z±	245 580	405 390
5	200	190 175	230 190	110	120	240	-	120	160	350	245	Z+
6	160	240	160	135	160	415	150	120	270	430	215	335
7	80	175	135	175	55	335	240	120	245	500	230	460
8	110	310	310	270	110	350	120	135	270 190	485	160 205	475 325
9 10	270 95	525 325	110 135	270 160	55 255	95 365	110 160	150 325	160	430 500	150	160
11	135	230	Z+	55	215	255	160	230	80	295	150	215
12	200	510	405	310	110	500	25	65	325	405	270	390
13 14	240 240	430 270	270 160	350 230	40 110	255 365	160 190	110 65	80	255 285	175 150	295
15	135	255	215	215	135	405	200	175	190	205	270	295
16	120	455	280	95	120	405	240	310	150	365	255	110
17	215	190	120	215	255	550	200	350	80	205	350	295
18 19	255 350	310 365	110 160	Z+ 255	40 215	240 415	110 240	350 190	150 15	390 175	80 325	215 295
20	65	365	190	295	190	430	160	280	135	110	310	430
21	190	240	120	215	135	270	160	135	190	485	310	190
22 23	160	110	230	200	80	255	135	295	-	110	215	295
23 24	80 135	325 335	160 255	110 375	135 120	Z± 25	135 -15	325 200	150 350	555 190	285 55	350 245
25	215	430	240	215	-	565	200	270	160	470	285	540
26	55	190	175	135	110	390	110	160	405	785	215	310
26 27 28	255	325	120	175	40	150	255	390	40	175	295	365
28 29	65 110	110 240	120 150	240 110	375 160	620 470	240 110	405 335	55 110	160 0	245 245	Z±
30	80	325	175	255	230	415	-765	405	-	-	Z+	555
31	40	405	200	135	160	325	240	270				
Means (a)	157	303	197	205	144	341	174	225	178 190	325 361	244 237	329 319
	154 (a)	308	(5)	210	145 (a)	337 221	134 (b)	223 210		269	(b)	
Mean for Day	(a)		(b)	218	(a)		Factor 2-83				actor 2.79	~~ .
Month Hour G.M.T.	2-3h	OCTOBER F	14-15h	20-21h	2-3h	8-9h	14-15h	20-21h	2-3h	8-9h	14-15h	21-22h
	∠-311 ∀/m								<del></del>			
Day 1	12/1 TO				-/-	/	/	/_	/	l/	/	70/m
	235	v/m . 320	v/m 365	v/m 100	v/m 125	v/m 140	v/m 540	√/m 595	√/m 165	v/m 85	v/m 350	v/m 365
2	235 195	320 600	365 -40	100 85	125 85	140 -340			165 195	85 5 <b>3</b> 0	350 335	365 420
2 3 4	235	320	365	100 85 40	125	140 -340 380	540	595 525	165	85 530 445 -430	350 335 530 420	365 420 500 920
2 3	235 195 305	320 600 560	365 -40 305	100 85	125 85	140 -340	540 285	595	165 195 280	85 530 445	350 335 530	365 420 500
2 3 4 5	235 195 305 15	320 600 560 280	365 -40 305 Z± 265	100 85 40 2± 460	125 85 380 - 100 225	140 -340 380 - 950 395	540 285 - 325 200 355	595 525 - 610 15	165 195 280 375 -110	85 530 445 -430 725	350 335 530 420 630	365 420 500 920 390
2 3 4 5 6 7	235 195 305 15 305	320 600 560 280 320 500	365 -40 305 Z± 265 195 365	100 85 40 2± 460	125 85 380 - 100 225 340	140 -340 380 - 950 395 270	540 285 - 325 200 355 2±	595 525 - 610 15 340 -115	165 195 280 375 -110 600 -100	85 530 445 -430 725 600 545	350 335 530 420 630 865 965	365 420 500 920 390 390 755
2 3 4 5 6 7 8 9	235 195 305 15 305 305 - 55 -30	320 600 560 280 320 500 - 140 475	365 -40 305 Z± 265 195 365 430 305	100 85 40 2± 460 - 545 585 165	125 85 380 - 100 225 340 200 255	140 -340 380 - 950 395 270 695 -15	540 285 - 325 200 355 2± 2± 425	595 525 - 610 15 340 -115 2± 650	165 195 280 375 -110 600 -100 670 280	85 530 445 -430 725 600 545 725 110	350 335 530 420 630 865 965 460 225	365 420 500 920 390 390 755 445 225
2 3 4 5 6 7 8	235 195 305 15 305 305	320 600 560 280 320 500	365 -40 305 Z± 265 195 365 430	100 85 40 2± 460 - 545 585	125 85 380 - 100 225 340 200	140 -340 380 - 950 395 270 695	540 285 - 325 200 355 2± 2±	595 525 - 610 15 340 -115 2±	165 195 280 375 -110 600 -100 670	85 530 445 -430 725 600 545 725	350 335 530 420 630 865 965 460	365 420 500 920 390 390 755 445
2 3 4 5 6 7 8 9	235 195 305 15 305 305 - 55 -30 -70	320 600 580 280 320 500 - 140 475 100	365 -40 305 21 265 195 365 430 305 235	100 85 40 2± 460 - 545 585 165 585	125 85 380 - 100 225 340 200 255 185	140 -340 -380 - 950 395 270 695 -15 185	540 285 - 325 200 355 2± 425 200 465	595 525 610 15 340 -115 2± 650 2±	165 195 280 375 -110 600 -100 670 280 165	85 530 445 -430 725 600 545 725 110 305	350 335 530 420 630 865 965 460 225 500	365 420 500 920 390 390 755 445 225 -250
2 3 4 5 6 7 8 9 10	235 195 305 15 305 305 - 55 -30 -70 225 445	320 600 560 280 320 500 - 140 475 100 500 615	365 -40 305 2± 265 195 365 430 305 235 225 350	100 85 40 2± 460 - 545 585 165 585 430 375	125 85 380 - 100 225 340 200 255 185 565 -115	140 -340 380 - 950 395 270 695 -15 185	540 285 - 325 200 355 2± 425 200 465 465	595 525 - 610 15 340 -115 2± 650 2± 395 2±	165 195 280 375 -110 600 -100 670 280 165	85 530 445 -430 725 600 545 725 110 305	350 335 530 420 630 865 965 460 225 500	365 420 500 920 390 755 445 225 -250 390 810
2 3 4 5 6 7 8 9 10 11 12 13 14	235 195 305 15 305 305 - 55 -30 -70 225 445 210	320 600 580 280 320 500 - 140 475 100 500 615 515	365 -40 305 Z± 265 195 365 430 305 235 225 350 305 405	100 85 40 2± 460 - 545 585 165 585 430 375 225 375	125 85 380 - 100 225 340 200 255 185 565 -115 100 310	140 -340 -340 -950 -950 -15 -15 185 -820 -95 -40 255	540 285 - 325 200 355 2± 425 200 465	595 525 610 15 340 -115 2± 650 2± 395 2± 510 125	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195	85 530 445 -430 725 600 545 725 110 305 305 445 640 755	350 335 530 420 630 865 965 460 225 500 335 570 365 335	365 420 500 920 390 390 755 445 225 -250 390 810 235 545
2 3 4 5 6 7 8 9 10 11 12 13	235 195 305 15 305 305 - 55 -30 -70 225 445 210	320 600 560 280 320 500 - 140 475 100 500 615 515	365 -40 305 2± 265 195 365 430 305 235 225 350 305	100 85 40 2± 460 - 545 585 165 585 430 375 225	125 85 380 - 100 225 340 200 255 185 565 -115 100	140 -340 -360 - 950 395 270 695 -15 185 820 695 40	540 285 - 325 200 355 2± 2± 425 200 465 465 210	595 525 - 610 15 340 -115 2± 650 2± 395 2± 510	165 195 280 375 -110 600 -100 670 280 165	85 530 445 -430 725 600 545 725 110 305 305 445 640	350 335 530 420 630 865 965 460 225 500 335 570 365	365 420 500 920 390 755 445 225 -250 390 810 235
2 3 4 5 6 7 8 9 10 11 12 13 14 15	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375	365 -40 305 Z± 265 195 365 430 305 235 225 350 305 405 305	100 85 40 2± 460 - 545 585 165 585 430 375 225 375 445	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115	140 -340 -340 -950 -950 -395 -270 695 -15 185 -820 695 -40 255 340 -24	540 285 - 325 200 355 2± 2± 425 200 465 465 210 0	595 525 - 610 15 340 -115 2± 650 2± 510 125 2+	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500	365 420 500 920 390 755 445 225 -250 390 810 235 545 560
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320 140 250 225	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515	365 -40 305 2± 265 195 365 430 305 235 225 350 305 405 305 405 305	100 85 40 2± 460 - 545 585 165 585 430 375 225 375 445	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115	140 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340 2± 185 455	540 285 - 325 200 355 2± 425 200 465 465 210 0 - 2- -410 425	595 525 - 610 15 340 -115 650 2± 650 2± 510 125 2+ 185 -210 85	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090 2± 530 390	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880	365 420 500 920 390 755 445 225 -250 390 810 235 545 560 615 560 765
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320 140 250 225 100 155	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 515 515 515 515 515 515	365 -40 305 24 265 195 385 430 305 235 225 350 305 405 305 406 305 195 225	100 85 40 2± 460 - 545 585 165 585 430 375 225 375 445 375 490 225 420 615	125 85 380 -100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125	140 -340 380 -950 395 270 695 -15 185 820 695 40 255 340 24 185 455 890 355	540 285 200 355 21 22 425 200 465 465 210 0 - - 410 425 395 285	595 525 - 610 15 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090 22 530 390 235 445	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740	365 420 500 920 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320 140 250 225 100 155	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 515 515 515 515 515 515 515 5	365 -40 305 Z± 265  195 365 430 305 225 350 305 405 305 405 305 430 305 425 225 280 560	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 225 375 445 375 490 225 420 615 585	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125	140 -340 -340 -950 -950 -15 -15 -185 -820 -695 -40 -255 -340 -255 -340 -255 -340 -255 -340 -355 -355 -355 -355 -355 -355 -355 -35	540 285 325 200 355 2± 425 200 465 465 210 0 - 2- -410 425 395 285	595 525 - 610 15 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295 595	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090 24 530 390 225 445	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320 140 250 225 100 155	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 335 165 585 30 350 390	365 -40 305 2± 265 195 365 430 305 235 225 350 305 405 305 405 305 405 305 225 225 280 560 295 530	100 85 40 2± 460 - 545 585 165 585 430 375 225 375 445 375 420 615 585 420 615 585	125 85 380 -100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125	140 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340  2± 185 485 890 355 595 540 425 340	540 285 	595 525 - 610 15 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295 595 455 210 735	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090 2± 530 390 235 445 700 740 655 725	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	235 195 305 15 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 515 515 515 515 515 515 515 5	365 -40 305 Z± 265 195 365 430 305 235 225 350 305 405 305 430 305 195 225 280 280 580 295	100 85 40 2± 460 - 545 585 165 585 430 375 225 375 445 375 490 225 420 615	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125	140 -340 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340  2± 185 455 890 3355 595 540 425	540 285 - 325 200 355 2± 2± 425 200 465 465 210 0 - 2- -410 425 395 285	595 525 -10 15 340 -115 24 650 24 510 125 24 510 125 24 510 85 -15 295 595 455 210	165 195 280 375 -110  600 -100 670 280 165  0 210 375 195 -1090  2± 530 390 235 445  700 740 655	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320 140 250 225 100 155	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 335 165 585 30 350 390	365 -40 305 Z± 265 195 365 430 305 235 225 350 305 405 305 430 305 195 225 280 560 295 530 305	100 85 40 2± 460 - 545 585 165 585 430 375 225 375 445 375 420 615 585 420 615 585 420 615	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125 155 440 510 200 370	140 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340  2± 185 890 355 595 540 425 340 465	540 285 200 355 24 425 200 465 465 210 0 - 2 - 410 425 395 285 310 550 665 540 790	595 525 - 610 15 340 -115 650 2± 650 2± 510 125 2+ 185 -210 85 -15 295 595 455 210 735 665	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090 21 530 390 235 445 700 740 655 725 70	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1145 975 1230 -30 755	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27	235 195 305 15 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 335 165 585 30 350 390 695	365 -40 305 24 265 195 365 430 305 235 225 350 305 405 305 430 305 195 225 280 560 295 530 305	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 225 375 445 375 490 225 420 615 585 420 615 320 430	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 125 155 440 510 200 370	140 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340  24 185 890 355 595 540 425 340 465  540 695	540 285 200 355 24 425 200 465 465 210 0 - - 2- -410 425 395 285 310 550 665 540 790	595 525 - 610 15 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295 455 210 735 665 540 735	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090 21 530 390 235 445 700 740 655 725 70	85 530 445 -430 725 800 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1145 975 1230 -30 -755	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 1230 115 500	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29	235 195 305 15 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 -30 110	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 516 515 335 165 585 30 350 390 695 490 - 195 225	365 -40 305 24 265 195 365 430 305 225 350 305 405 305 430 305 225 280 296 530 305 500 40 40 40 465 185	100 85 40 2± 460 - 545 585 165 585 165 585 430 375 425 375 445 375 420 615 585 420 615 320 430 - 430	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 125 440 510 200 370 540 310 115 240	140 -340 -340 -340 -350 950 950 395 -15 185 820 695 40 255 340 2± 185 485 485 486 540 695 170 720	540 285 - 325 200 355 2± 2± 425 200 465 465 465 210 0 - 2410 425 395 285 310 550 665 540 790 425 565 580	595 525 610 15 340 -115 72 650 72 395 72 185 -210 85 -15 295 595 455 210 735 665 540 735 480	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  2± 530 390 2255 445 700 740 655 725 70 -30 85 -320 615	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 280 405 1255 570 530 475 1145 975 1230 -30 755 -210 -55 35 -210 -55 35 430 -35 -35 -35 -30 -30 -30 -30 -30 -30 -30 -30	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 640 -140
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	235 195 305 15 305 305 - 55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 460 -30 110	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 515 515 535 165 490 695	365 -40 305 24 265 195 385 430 305 235 225 350 305 405 305 430 305 425 225 280 280 295 530 305	100 85 40 2± 460 - 545 585 165 585 165 585 430 375 225 375 445 375 420 615 585 420 615 320 430 - 40 165	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125 155 440 510 200 370	140 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340  21 185 890 355 595 540 425 340 465	540 285 200 355 21 24 425 200 465 465 465 210 0 -  Z- 410 425 395 285 310 550 665 540 790 425 565 335	595 525 - 610 15 - 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295 595 455 210 735 665 540 735 480	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  24 530 390 235 445 700 740 655 725 70 -30 85 -320	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1145 975 1230 -30 -30 -30 -30 -30 -30 -30 -	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 640
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 28 29 30 31	235 195 305 15 305 305 -5 55 -30 -70 225 445 210 110 320 140 250 125 100 155 335 195 460 -30 110 225 460 -30 110 225 460 -30 110 225 460 -30 110 225 460 -30 110 225 460 -30 110 225 460 -30 110 225 460 -30 110 -30 110 -30 110 -30 -30 -30 -30 -30 -30 -30 -30 -30 -3	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 515 535 165 490 - 195 225 390 420	365 -40 305 24 265 195 365 430 305 235 225 350 305 405 305 430 306 195 225 280 295 530 305 500 40 265 165 280 -280	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 225 375 445 375 420 615 585 420 615 320 430 - 430 430 430 430 430 430 430 430 430 430	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 2- 155 310 125 155 440 510 200 370 540 310 310 125	140 -340 380 - 950 395 270 695 -15 185 820 695 40 255 340  2± 185 890 355 545 540 425 340 465 540 695 170 720 425	540 285 200 355 21 24 425 200 465 465 465 210 0 - 2- 410 425 395 285 310 550 665 540 790 425 565 335 580 380	595 525 - 610 15 - 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295 595 455 210 735 665 540 735 480 480 -355	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  24 530 390 225 445 700 740 655 725 70 -30 85 -320 615 40 140	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1145 975 1230 -30 755 1230 -30 755	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500 40 235 420 -70	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 640 -140 -100
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 28 29 30 31	235 195 305 15 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 30 235 30 235	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 516 515 515 335 165 585 30 350 390 695 490 - 195 225 390 420 386	365 -40 305 2± 265 195 365 430 305 235 225 350 305 405 305 195 225 280 560 295 530 305 40 265 165 290 -280 314	100 85 40 2± 460 - 545 585 165 585 165 585 430 375 425 375 445 375 420 615 585 420 615 320 430 - 430 165 445 265 265	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 200 370 540 310 125	140 -340 -340 -340 -350 950 950 395 15 185 820 695 40 255 340 24 185 485 480 485 540 695 170 720 425 460	540 285 200 355 24 425 200 465 465 210 0 - 2 - 410 425 395 285 310 560 665 540 790 425 565 385 580 380	595 525 - 610 15 340 -115 2± 650 2± 395 52+ 185 -210 85 -15 295 595 455 210 735 665 540 735 480 480 -355	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  24 530 390 225 445 700 740 655 725 70 -30 85 -320 615 40 140 355	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1230 -30 755 -210 -55 350 430 235	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500 350 40 225 40 40 40 40 40 40 40 40 40 40	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 640 -140 -100
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 28 29 30 31 (a)	235 195 305 15 305 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 30 235 85 30 235	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 335 165 585 30 350 390 695 490 - 195 225 390 420 386 382	365 -40 305 24 265 195 365 430 305 235 225 350 305 405 305 430 305 430 305 225 280 295 530 305 500 40 265 165 280 -280 -280 314 279	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 425 375 445 420 615 585 420 615 320 430 - 430 165 445 265 295 361 368	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 200 370 540 310 125 440 510 200 370 540 340	140 -340 -340 -340 -350 950 950 395 -15 185 820 695 40 255 340 24 185 485 485 485 485 486 480 422 480 422	540 285 - 325 200 355 2± 2± 425 200 465 465 210 0 - 2- -410 425 395 285 310 550 665 540 790 425 560 365 580 380	595 525 - 610 15 340 -115 2± 650 2± 395 510 125 2+ 185 -210 85 -15 295 595 455 210 735 665 540 735 480 480 -355	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  24 530 390 225 445 700 740 655 725 70 -30 85 -320 615 40 140 355 241	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1245 975 1230 -30 755 -210 -55 350 430 236 -210 -55 350 -210 -55 350 -210 -55 350 -210 -35 -36 -36 -36 -36 -36 -36 -36 -36	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500 40 235 40 225 40 40 40 40 40 40 40 40 40 40	365 420 500 920 390 755 445 225 -250 390 810 235 545 560 615 560 705 810 140 460 375 640 640 -140 -100 556 483
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 28 27 28 29 30 31 (a) (b)	235 195 305 15 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 30 235 30 235	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 516 515 515 335 165 585 30 350 390 695 490 - 195 225 390 420 386	365 -40 305 2± 265 195 365 430 305 235 225 350 305 405 305 195 225 280 560 295 530 305 40 265 165 290 -280 314	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 425 375 445 420 615 585 420 615 320 430 - 430 165 445 265 295 361 368	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 200 370 540 310 125	140 -340 -340 -340 -350 950 950 395 -15 185 820 695 40 255 340 24 185 485 485 485 485 486 480 422 480 422	540 285 200 355 24 425 200 465 465 210 0 - 2 - 410 425 395 285 310 560 665 540 790 425 565 385 580 380	595 525 - 610 15 - 340 -115 2± 650 2± 510 125 2+ 185 -210 85 -15 295 595 455 210 735 665 540 735 665 540 735 480 480 -355	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  Zt 530 3390 235 445 700 740 655 725 70 -30 85 -320 615 40 140 355 241 (a)	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1230 -30 755 1230 -30 755 250 405 1250 405 1250 405 1250 405 1250 405 1250 405 1230 -30 -30 -30 -30 -30 -30 -30 -	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500 350 400 400 400 400 400 400 400 4	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 -140 -100 500 556 483
2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 (a) (b)	235 195 305 15 305 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 30 235 85 30 235	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 335 165 585 30 350 390 695 490 - 195 225 390 420 386 382	365 -40 305 24 265 195 365 430 305 235 225 350 305 405 305 430 305 430 305 225 280 295 530 305 500 40 265 165 280 -280 -280 314 279	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 425 375 445 420 615 585 420 615 320 430 - 430 165 445 265 295 361 368	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 200 370 540 310 125 440 510 200 370 540 340	140 -340 -340 -340 -350 950 950 395 -15 185 820 695 40 255 340 24 185 485 485 485 485 486 480 422 480 422	540 285 - 325 200 355 2± 2± 425 200 465 465 210 0 - 2- -410 425 395 285 310 550 665 540 790 425 560 365 580 380	595 525 - 610 15 340 -115 2± 650 2± 395 2± 510 125 2+ 185 -210 85 -15 295 595 455 210 735 665 540 735 480 480 -355 439 384 372	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  24 530 3390 235 445 700 740 655 725 70 -30 85 -320 615 40 140 355 241 (a)	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1230 -30 755 1230 -30 755 1230 -30 544 975 1230 -30 545 640 755 570 530 475 530 475 545 640 755 570 530 475 530 475 640 755 570 530 475 640 755 570 530 475 640 755 570 530 475 640 755 570 530 475 640 755 570 530 475 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 640 755 755 755 755 755 755 755 75	350 335 530 420 630 865 965 460 225 500 335 570 365 336 500 -265 210 880 -375 740 755 710 1230 15 500 350 40 40 40 40 40 40 40 40 40 4	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 640 -140 -100 500 556 483 407
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 28 29 30 31	235 195 305 15 305 305 305 -55 -30 -70 225 445 210 110 320 140 250 225 100 155 335 195 460 -30 110 225 30 235 85 30 235	320 600 560 280 320 500 - 140 475 100 500 615 515 - 375 210 515 515 335 165 585 30 350 390 695 490 - 195 225 390 420 386 382	365 -40 305 24 265 195 365 430 305 235 225 350 305 405 305 430 305 430 305 225 280 295 530 305 500 40 265 165 280 -280 -280 314 279	100 85 40 2± 460 - 545 585 185 585 185 585 430 375 425 375 445 420 615 585 420 615 320 430 - 430 165 445 265 295 361 368	125 85 380 - 100 225 340 200 255 185 565 -115 100 310 115 170 Z- 155 310 200 370 540 310 125 440 510 200 370 540 340	140 -340 -340 -340 -350 950 950 395 -15 185 820 695 40 255 340 24 185 485 485 485 485 486 480 422 480 422	540 285 - 325 200 355 Z± 425 200 465 465 410 0 - 2410 425 395 285 310 550 665 540 790 425 565 385 580 380 406 416 (b)	595 525 - 610 15 340 -115 345 650 24 395 22 510 125 27 185 -15 295 595 455 210 735 665 540 735 665 540 735 480 480 -355	165 195 280 375 -110 600 -100 670 280 165 0 210 375 195 -1090  Zt 530 3390 235 445 700 740 655 725 70 -30 85 -320 615 40 140 355 241 (a)	85 530 445 -430 725 600 545 725 110 305 305 445 640 755 250 405 1255 570 530 475 1230 -30 755 1230 -30 755 250 405 1250 405 1250 405 1250 405 1250 405 1250 405 1230 -30 -30 -30 -30 -30 -30 -30 -	350 335 530 420 630 865 965 460 225 500 335 570 365 335 500 -265 210 880 -375 740 755 710 1230 15 500 350 400 400 400 400 400 400 400 4	365 420 500 920 390 390 755 445 225 -250 390 810 235 545 560 615 560 765 515 1060 700 850 810 140 460 375 640 640 -140 -100 500 556 483

Note.-The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used. Z+, Indeterminate, positive value; Indeterminate, negative value; Z±, Indeterminate in magnitude and sign.

(a) Mean from all positive readings.

(b) Mean from all complete days, using both positive and negative readings.

#### 543. KEW OBSERVATORY

1935

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	<b>19-2</b> 0	20-21	21-22	22-23	23-24	Non Cyclic Change	
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.			v/m -112 -137 -92 -120 -85 -38 -56 -49 -72 -87 -113 -129	-93 -132 -73 <u>-56</u> -48 -47 -65 -88	v/m -130 -144 -107 -137 -46 -41 -51 -40 -67 -81 -149 -159	v/m -111 -110 -89 -93 -41 -38 -28 -8 -56 -71 -126		v/m +43 +3 +29 +44 +61 +47 +100 +149 +128 +51 -32 +35	v/m +78 +107 +81 +87 +22 +52 +101 +138 +164 +91 +32 +158	v/m +75 +115 +83 +42 +42 +27 +97 +80 +148 +58 +89 +127	v/m +72 +59 +47 +1 +24 -7 +49 +38 +43 +30 +20 +132	v/m +95 -7 +2 -19 -12 -39 +3 -10 -10 -4 +36 +142	v/m +83 -20 -56 -23 -37 -50 -6 -21 -43 -33 +7 +21	v/m +47 -57 -54 -3 -36 -44 -20 -57 -64 -25 +23 +20	v/m +65 -47 -45 +11 -33 -38 -28 -40 -65 -35 -20 +31	v/m +62 -29 +23 -37 -24 -38 -33 -65 -13 +45 +76	v/m +47 +18 +2 +8 +11 -8 -55 -59 -38 +26 +75 +110	*/m +40 +59 +68 +22 +23 +2 -56 -60 -17 +77 +90 +27	*/m +56 +170 +80 +47 +49 +39 -35 -32 +36 +84 +91 +50	v/m +47 +121 +115 +115 +34 +49 +50 -11 -27 +65 +99 +77 +55	v/m +21 +139 +129 +92 +52 +55 +22 +16 +77 +95 +73 -7	v/m -24 +139 +111 +47 +62 +59 +54 +34 +57 +9 +58 -65	-28 +43 +36 +76 +62 +66 +36 +15 +4 -13 +42 -59	v/m -72 -3 -16 +41 +19 +44 0 -11 -29 -23 +13 -52	v/m +36  -18  -54 +27 -92 +2 -8	v/m 457 438 367 319 329 288 203 220 283 343 480 609
Year Winter Zqnx. Summer	-46 -69 -43 -27	-73 -90 -83 -47	-91 -123 -93 <u>-57</u>	<u>-99</u> <u>-147</u> -95 -56	-96 -145 <u>-98</u> -45	-75 -118 -77 -29	-17 -73 -19 +41	+55 +12 +63 +89	+93 +94 +106 +78	+82 +101 +83 +61	+42 +71 +30 +26	+15 +67 -8 -15	-15 +23 -39 -29	-23 +8 -37 -39	-20 +7 -33 -35	-3 +45 -21 -33	+11 +63 -1 -28	+23 +54 +37 -23	+53 +92 +62 +5	+60 +75 +91 +15	+64 +57 +98 +36	+45 +27 +56 +52	+23 -1 +26 +45	-7 -29 -7 +13	•••	361 496 328 260

AIR POLLUTION: HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre)
COMPLETE DAYS ONLY

#### 544, KEW OBSERVATORY

1935

Month and Season	Hour 0-1	G.M.T. 1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean	No.of Days Used
Deabon	mg/m ³	mg/m ³	mg/m³	mg/m ³	mg/m ³	mg/m³	mg/m³	mg/m³	mg/m ³	mg/m ³	mg/m³	mg/m³	mg/m ³	mg/m ³	mg/m ³	mg/m³				mg/m³						
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Pec.	•21 •08 •17 •06 •08 •03 •07 •01 •04 •07 •11 •25	.19 .05 .15 .07 .03 .07 .02 .04 .05 .08 .20	·14 ·06 ·14 ·05 ·06 ·04 ·07 ·02 ·05 ·05 ·06 ·18	.14 .04 .11 .06 .05 .05 .07 .02 .04 .05 .06	-13 -05 -11 -07 -07 -04 -07 -03 -03 -05 -05 -14	.15 .05 .13 .06 .07 .05 .09 .06 .05 .04 .05	-15 -10 -15 -08 -09 -06 -11 -08 -07 -05 -06 -13	-19 -10 -19 -11 -11 -06 -13 -12 -09 -10 -11	.22 .19 .25 .12 .09 .04 .11 .11 .09 .14 .21	-28 -17 -27 -11 -07 -02 -09 -08 -05 -13 -25	•25 •16 •17 •11 •07 •02 •08 •07 •04 •10 •25 •43	.30 .15 .15 .09 .05 .01 .07 .06 .02 .08 .23	.28 .12 .15 .09 .06 .01 .05 .03 .07 .19	•28 •10 •14 •09 •03 •00 •03 •04 •02 •05 •18 •35	·25 ·11 ·13 ·09 ·05 ·01 ·03 ·01 ·06 ·16 ·36	•25 •11 •14 •09 •03 •01 •01 •07 •18 •43	-29 -14 -16 -08 -05 -00 -02 -01 -02 -09 -24 -46	-33 -16 -20 -09 -05 -00 -01 -03 -16 -32 -52	•32 •23 •27 •10 •08 •02 •01 •06 •19 •30 •56	•33 •24 •33 •14 •11 •02 •03 •01 •07 •21 •29	-33 -23 -33 -15 -13 -03 -05 -03 -07 -18 -27 -58	•33 •21 •35 •15 •14 •03 •07 •03 •05 •17 •21 •48	•31 •16 •30 •12 •11 •03 •06 •02 •05 •14 •19	-27 -12 -21 -09 -10 -02 -07 -02 -04 -10 -17 -33	•25 •13 •20 •09 •08 •03 •06 •04 •05 •10 •18 •35	31 28 31 30 31 30 31 28 29 30 30
Year Winter	•10	•08 •13	·07	•07 •10	<u>-07</u>	·08	·09	·13	·15	·16	·15	·13	•12 •24	·11	·11	•11 •24	·13	•16 •33	·18	·20	•20 •35	•19 •31	•16 •27	·13	•13 •22	360 120
Eqnx. Spring	•11	•10	•09	<u>•09</u>	•09	•09	-12	-15	•19	-19	•14	-12	•12	•12	·11	•12	-12	•14	•18	•23	•24	•25 •11	·21	·15	•14 •07	61
Autumn Summer	-06 -05	•05 •05	•05 •05	•04 •05	•04 •05	-04	•06 •09	•09 •11	·11 ·09	•09 •06	·07 ·06	•05 •05	•05 •04	•04 •03	•03 •02	•04 •02	-05 -02	-09	•13°	<u>-14</u> -04	•13 •06	-07	-06	-05	-05	120

AIR POLLUTION: DIURNAL INEQUALITIES (milligrams per cubic metre)
The departures from the mean of the day are adjusted for non-cyclic changet

#### 545. KEW OBSERVATORY

1935

Month and	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	<b>19-2</b> 0	20-21	21-22	22-23	23-24	Non Cyclic Change	Range
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov.	mg/m ³ -:04 -:05 -:02 -:04 +:01 -:03 -:03 -:03	mg/m ³ 0607040500 +-0102010914	mg/m ³ 1007060501000202051217	mg/m ³ 1009030202000111	mg/m ³ 1108090301 +-010101051221	mg/m ³ 1008070300 +-02 +-03 +-020613	mg/m³10070501 +-01 +-04 +-04 +-020511	mg/m³080301 +-03 +-03 +-03 +-040715	mg/m³ - · · · · · · · · · · · · · · · · · ·	mg/m³ + · 04 + · 05 + · 07 + · 02 - · 01 · 00 + · 03 + · 04 + · 01 + · 03 + · 07 + · 02	mg/m²+·01 +·03 -·02 +·02 -·01 +·01 +·03 -·01 -·01 +·07 +·08	#g/m² + 05 + 02 - 04 - 02 - 02 + 02 + 05 + 07	mg/m +-04 01 05 01 02 02 +-01 03 +-01 +-02	## + · · · · · · · · · · · · · · · · · ·	mg/m² + 01 - 02 - 07 - 03 - 03 - 03 - 03 - 04 + 02 + 02	mg/m³ +-01 05 04 02 03 03 03 03 03	#8/#3 +:04 +:01 -:03 -:03 -:03 -:03 -:01 +:06 +:11	** 199 + 09 + 09 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00	## + .08 + .10 + .01 + .01 01 03 + .01 + .09 + .12 + .21	#8/# +:09 +:11 +:13 +:05 -:03 -:03 +:02 +:11 +:12 +:23	#5/# + 09 + 10 + 13 + 06 + 05 + 01 - 01 - 01 + 08 + 09 + 23	mg/m³ +-08 +-08 +-15 +-0600 +-0101 +-07 +-04 +-14	mg/m² +-06 +-03 +-11 +-03 +-03 +-01 02 +-01 +-04 +-01 +-08	mg/m² +•02		
Year Winter Eqnx. Summer	-•03 -•06 -•02	04 09 03 00	05 11 04 01	06 12 04 01	06 13 04 00	21 05 13 04 +-02	21 04 12 02 +-03	-00 -08 +01 +05	+·03 ·00 +·04 +·03	+-03 +-05 +-03 +-01	+-02 +-05 -00 +-01	+-01 +-05 02 01	01 +-01 03	02 03 03	02 00 04 03	01 +-02 03	+06 -02 -23	+•03 +•11 +•01 -•03	+-05 +-13 +-05 02	+•07 +•14 +•08 -•01	+•07 +•13 +•07 +•01	+-06 +-08 +-07 +-02	+•03 +•05 +•05 +•01	-00 01 -00	•00 •00	·13 ·27 ·12 ·08

#### SEISMOLOGICAL DIARY.

#### Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.
Jan.	Z ZNE E N NE E	iPKP ipPKP ePP i e i	h. m. s. 13 40 2 41 15 43 21 14 1 38 2 22 3 10 3 54 7 13 15 30	s	μ   	km. (16000)   	Dilatation NE, e.Tonga Islands. 15°S., 175° W., with focal depth 300 km. (J.S.A.)	Jan. 23 cont.	E ZN E N N Z	eLQ eLR M M M M M	h. m. s. 56 8 o 3 56 13 18 15 28 15 32 15 37	s.  26 19 19 19	μ  +41 +43 -66 +77 -54	km	
2		e F	23 17 35				Coast of Northern California. 41° N., 124° W. (J.S.A.)	26							No records: 5h—11h 20m.
3	Z NE	iP iS	2 0 58 9 43			7310	Compression NE, e.	29				•••	•••		No records during adjustments; 14h 10m—14h 50m.
	ZNE ZNE NE Z	eSSS i L L	16 52 17 10 20 23				Tibet. 31.5° N., 88° E. (Strasbourg.)	30		e F	I 7 20				Mongolia. 48·5°N., 97° E. (U.R.S.S.)
	E N Z	M M M F	28 33 28 42 32 42 3 45	21 21 15	+27 +64 +19			31		e F	19 10 30				2° S., 171° E. (Manila.)
4	ZNE ZNE NE	iP i eS	14 46 25 46 32 50 21			2390 	Amplitudes of iP as read in mm:	Feb.		e F	2 25 55				Felt at Tashkent. 37.5° N., 70.0° E. (U.R.S.S.)
	ZNE ZN E ZNE N	iS i i L M	50 25 50 32 50 36 52 54 15		   +105		(-0.3) $+1.3$ $-2.0Sea of Marmara.40.8^{\circ} N., 28.3^{\circ} E.(Strasbourg.)$	4	Z NE Z	ePKP eL eL F	17 44 20 18 40 44 19 45			  	South of Samoa. (Chiufeng.)
	E N E Z	M M M M	55 13 56 22 56 25 57 0	21 10 15 10	-76 -100 +69 +37			6		eL F	2 10 35				Atlantic Ocean near 30° N., 40° W. (Strasbourg.)
4	ZNE Z ZNE	eP i iS	16 15 16 24 59 25 2 29 4			2500 	Repetition of preceding shock. Sea of Marmara.	7	NE N Z	eL M eL F	18 19 24 43 27 40	 19 	+ 3 	 	Philippine Islands 11° N., 121° E. (U.R.S.S.)
	ZNE E N Z	L M M M F	31 33 54 34 11 35 42 17 40	17 17 11	-55 -76 -34		40·8° N., 29·0° E. (Strasbourg.)	9	NE Z E	eL eL M F	20 4 12 12 45 35	 20 	 - 8 		Northern Formosa. 25° N., 122° E. (Taihoku.)
11		e F	O 57 I I5			 	Philippine Islands. 19° N., 120° E. (Manila.)	13		e F	9 58 10 10				
17	ZNE N E N NE Z N	iPKP ePPS ePSS eSSS eL eL M F	2 27 57 44 43 50 28 56 33 3 10 20 35 41 4 20		   -10	(16000)    	North-West of Loyal- ty Islands. 19° S., 165° E. (Manila.)	22	Z E N E N ZN E ZNE N	eP iS iSKS i i i eL	17 18 (15) 27 37 27 51 38 24 39 58 41 9 42 7 42 22 43 53 30	::		(8050)    	Confused by microseisms  Aleutian Islands. 51° N., 177° E. (J.S.A.)  Large movement.
18		e F	12 38 13 15				Very small.		N E Z	M M M	59 19 18 6 1 9 43	18 17 16	-39 -41 +35		
18	Z NE ZNE N Z	e e eL M M F	18 2 23 6 4 8 12 44 12 55 30	  16 16		  	Possibly microseismic.  Southern part of Riu-Kiu Islands. (Chiufeng.)	25	ZNE ZN E NE NE	F iP i e iS i	20 0 2 56 34 56 58 3 0 42 0 49 1 10			2540  	Dilatation. Azimuth about south-east.  Destructive in Crete.  35.5° N., 24° E.  (Strasbourg.)
19	ZNE NE Z N	eS eL eL M	12 54 59 13 1 3 3 59	  26	  + 7				NE N Z	L M M F	3 26 5 3 5 14 30	 19 9 	 +63 +18 		
23	ZN	F iP ;c	7 35 52			 8420	Amplitudes of iP as read in mm:	<b>2</b> 6							No records; 10h 4m to 12h 48m.
	NE E N Z NE Z N	iS i iPS i iSS e iSSS	45 33 45 41 45 53 46 27 51 11 53 50 54 52				read in limit: $ \begin{array}{cccc} N & E & Z \\ -1.5 & 0.0 & +2.3 \\ Azimuth about north. $ Aleutian Islands. $52^{\circ}$ N., $170^{\circ}$ W.	Mar. 5	NE Z N	eL eL M F	10 44 48 53 59 11 30	 22 	 +10 	  	Caspian Sea off Persia 37° N., 53° E. (U.R.S.S.)

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.
Mar. 5 cont.	NE Z N	eL eL M	h. m. s. 22 49 55 55 42	s.  15	μ  + 9 – 8	km. 	Himalayas. 30·5° N., 80° E. (U.R.S.S.)	April 3 cont.		e F	h. m. s. 12 25 13 10	s. 	μ 	km. 	Very Small.
ļ	EZ	M M F	55 52 55 54 23 15	15 15 	- 8 +12 			3		F	22 7 30				
8		<b> </b>					No records; 5h 15m to 10h 10m.	5	ZNE	eL F	4 ¹ 4 40			 	_
11							No records; 10h 6m to 11h 46m.	5	Z	eL F	9 40 45			•••	Horizontal compo- nents disturbed by wind.
12	NE Z	eL eL F	14 5 10 25				Horizontal components disturbed by wind.	11	ZNE E	eL M F	2 IO I2 IO 20	 2I 	 + 4 	•••	Confused by wind and microseisms. Indian Ocean. 13° N., 95° E.
14	ZNE	eL F	16 55 17 55					11/12	z	iP	23 22 27			4380	(U.R.S.S.) Compression. NE, e.
14	ZN NE N N ZNE	eP e(S) e L F	17 5 43 8 19 8 32 8 56 — — —			(1630)   	Felt in Southern Spain. 36° 24′ N., 3° 37′ W. (Granada). Clearly recorded by Wood-Anderson seismograph (N-S component). Masked by coda of preceding shock.	11/14	ZE ZE NE NE N ZNE Z N Z E	i iPP iS e iSS eL i M i i	23 22 27 22 35 24 4 28 36 28 50 31 15 34 41 29 42 8 42 34 46 9	     26	    +51	4380    	Felt in Persia. 36° N., 51° E. (Strasbourg.)
15	ZNE	eL F	12 43 13 10				procoura-6 -		Z E E	i	46 13 49 22 49 56	:::		•••	
18	ZNE E ZN NE NE	eP iS i i	8 46 0 50 29 50 37 51 1 51 27			2810  	Rhodes (Strasbourg).	12	٠	F e F	1 50 13 1 35				Repetitions of shock at 11d 23h.
ļ '	N	iS _c S F	56 52 9 5			:::	`	12		e F	22 55 23 5	:::	::: :::	•••	
19	N NE Z	e(S) e M	7 30 03 31 47				Felt in south-east France.	15		e F	21 52 22 0		:::	•••	Very small.
20-21		e eL eL M	32 41 35 23 43 55 0 5 43 17 1 30		+11		Solomon Islands. 5° S., 162° E. (Manila.)	19	ZNE ZN ZNE ZE NE ZNE ZNE E	iP i PP i iS eL M M	15 28 30 28 38 28 52 30 54 32 37 34 35—38	    	     >+32	2525    	Amplitudes of iP as read in mm:—  N E Z  —10·2 +6·1 —13·8 giving azimuth about 145°. Mediterranear Sea near the coast of Tripoli. 32.5° N.
29	ZN N Z	eL M M F	13 45 53 14 53 47 14 55	 20 19 	 + 7 + 11		Confused by microseisms. No "E-W" record. East of New Zealand. 40° S., 175° W. (Manila.)		N Z	M M F	35 45 37 51 38—40 ————	25 20 (18) 	>+32 >+26 (290) 		Maxima doubtful traces very faint and passing off uppeedge of N and I records.  Overlapped by nex
30	Z ZNE NE Z E N Z	eP eS eL eL M M M	21 32 10 42 36 59 22 3 10 23 11 59 14 28 23 0	   22 21 19	  -14 +23 -18	9310   	Pacific Ocean off Japan. 36.5° N., 141.5° E. (U.R.S.S.)	19	E	iP iS eL M F	18 2 57 7 5 8 10 16 19 35		  – 8	2540   	shock.  Times from Wood Anderson seismo gram. Repetition of preceding shock. 32° N., 15.5° E.
31	Z NE ZNE N E Z	iP eS eL M M M F	3 25 34 28 57 30 31 33 34 29 35 33 4 5	  15 15 10	  -22 -13 +15	2000	NE, e. Macedonia. 40·5° N., 21° E. (Strasbourg.)	19	ZNE NE Z ZNE N E	eP iS i eL M M F	20 36 59 40 53 41 0 42 44 11 44 26 21 50	   24 22	   -25 +29	2360	(Strasbourg. Further repetition 32° N., 15.5° E. (Strasbourg
April 1		e F	3 40 4 30					20	ZNE NE	iP eS	5 16 8 20 14			2510 	Dilatation. Further repetition.
3	Z NE NE N	iP iS i(SS) i F	11 20 44 27 45 30 10 36 28 12 5			5350	Compression. NE, e. Practically no surface waves. Afghanistan. 37° N., 70.5° E. (U.R.S.S.)		Z E N ZNE N E N	i i eL M M M	20 18 20 22 20 25 21 23 33 23 48 26 29	  25 20 15	   -68 +63 +52		32° N., 16·5° E. (Strasbourg

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

540.	KE V	v Obs	ERVATOR	ι.	Lat.	51 28	'6" N. Long. 0° 18'	41 W	. пец	gnt abov	/e M.S.L. 0	inctics	•		1935.
Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.
April 20 cont.	z	M F	h. m. s. 29 3 7 30	s. 11	μ -42 	km. 		May 13 cont.	Е	M F	h. m. s. 39 26 21 40	s. 23 	μ - 9 	km. 	
20/21	Z NE	eP eSKS	22 14 52 25 24			10000	Destructive in northern Formosa. 25° N., 121° E.	14		e F	1 5 45	:::			Very small.
	E NE ZNE N N E Z	iS eSS eL M M M M	25 50 31 32 42 49 59 51 50 51 50 54 38 55 44	25 18 18 18 16	  -95 +135 -69 +135 -74	::	(Strasbourg.)	14/15	ZEZNZEZNN	e(PP) eS iPS iPPS i eSS e i	23 42 41 49 59 51 49 52 33 52 56 57 48 58 39 58 41 0 3 11			(12500)   	Horizontal components disturbed by wind. East of Sandwich Islands. 58° S. 25° W., (J.S.A.)
21		e F	8 27 9 0						ZNE Z N	eL M M	9 22 35 22 51	21 26	 +26 +40	•••	
23	Z NE NE	iP iS e	16 57 11 17 6 37 15 27			8130 	Compression. Assam. 25.5° N., 93.5° E. (U.R.S.S.)	15	z	F eP	2 11 7	•••		(6550)	Overlapped by next shock.  Horizontal compo-
24	ZNE ZE ZNE ZNE Z	eL F iP ePP eL M	22 50 16 4 36 7 32 41 49 17		   + 2	(9000)  	Compression. Horizontal components disturbed by wind.	-5	N N ZNE N Z	e(S) e eL M M F	19 13 22 8 33 35 35 42 3 3 35	  20 15	  -17 -12		nents disturbed by wind. Baluchistan. 29° N., 67° E. (U.R.S.S.)
	_	F	17 10		·	•••	South-east of Maldive Islands. o·5° N., 75° E. (Bombay.)	16	ZNE	eL F	17 52 18 15				Afghanistan. 36·5° N., 67·5°E. (U.R.S.S.)
24	Z NE ZNE	iP eS eL F	19 3 51 13 53 30 55			8830  	(Domony)	16	Z NE Z N	e eL eL M F	21 I 10 50 55 22 20 40 23 10	  13	 + 3		
27	ZE E ZNE	eP eS eL F	19 9 16 13 25 15 50			2550  	Felt in the Azores. 37° 41′ N., 25° 21′ W. (Strasbourg.)	18	Z NE Z	e eL eL F	21 51 32 22 50 56 23 10		•••		
May 1	Z ZE NE ZNE N	eP iPP iS eL M	10 31 6 32 28 36 19 38 44 33		   -17	3430  	Kurdistan. 38° N., 43° E. (Strasbourg.)	20	NE Z N	eL eL M F	6 16 25 31 58 55	 20 	 + 3 		Sea of Celebes. 2.5° N., 124° E. (U.R.S.S.)  Very small.
2		F e	12 10 8 29				Very small.	21	Z	F iP	40 4 33 21				Very small. China.
4/5	NE	F eL eL	35 23 48				East of Formosa. 24° N., 123° E.	21	ZNE	eL F ePP	54 5 15 7 12 42	•••	•••		34° N., 96.5° E. (U.R.S.S.) Northern Queensland.
	Z N NE	M F eL	51 59 27 0 25 6 46	 17 	+ 5		(U.R.S.S.)  Between Mindanao		ZNE Z N	eL M M F	53 8 9 35 9 39 9 30	 20 21	 + 7 - 7		14° S., 143° E. (U.R.S.S.)
7	N Z	M eL F	54 0 55 7 30	29 	- 7 		and Pelew Island. 8° N., 131° E. (Peichiko.)	21		e F	12 55 13 5		•••	 	Very small.
9		e F	5 41 50		 	 	Very Small.	21		e F	14 12 30				
10		e F	17 50 18 5				Bay of Bengal. 20° N., 89° E. (Peichiko.)	22		e F	8 57 9 10	•••			
12		e F	5 48 6 <b>1</b> 5				Pamir. 38° N., 74° E. (U.R.S.S.)	22	z	e F iP	10 28 35 18 7 13		•••		Horizontal comp -
12		e F	13 O 10				Very small.	-3	ZNE Z	eL M F	19 21 9 19 5	20 	+11		nents disturbed by wind. Atlantic Ocean. 21° N., 45° W.
12		e F	20 55 21 20		•••		Northern Laos.	24	z	eР	5 50 31			(11000)	(U.R.S.S.) Philippine Islands.
13	ZE NE NE Z N	eP eS eL eL M	20 5 58 16 12 25 34 39 1		+19	9070	20° N., 101° E. (Peichiko.)	~+	Z N NE NE N	ePP i eSKS eL M	54 42 55 17 6 1 2 23 27 10	   41	  -63		13° Ñ., 125° E. (J.S.A.)

Galitzin Seismograph's, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

		-													
Date.	Compt.	Phase.	G.M.T.	Period	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period	Ampli- tude.	Δ	Remarks.
May 24	E Z	M	h. m. s. 27 34	s. 40	μ -43	km.		June 16		eL	h. m. s. 7 17	s. 	μ 	km.	
.cont.	N Z	eL M M	33 41 48	17	-31 +34	•••		18/19		F	40		•••	•••	East of Philippine
	2	F	9 30					10/19		e(S) eL F	22 53 23 22 0 5				Islands. 14° N., 120° E.
25*	ZNE	ePS eL	0 35 5 57				11° N., 125° E. (U.R.S.S.)			_					(U.R.S.S.)
	Z	M F	1 12 6 2 10	18	+ 7	•••		19/20		eL F	23 24 0 20			•••	Solomon Islands. 9° S., 162° E. (U.R.S.S.)
26*	Z NE	e(PS) eL	22 31 57			•••	15·5° N., 132° E. (U.R.S.S.)	22		e	16.33				Celebes.
	Z N Z	eL M M	23 2 8 48 12 0	20	- 7 + 7					F	17 55				6° S., 120° E. (U.R.S.S.)
	L	F	0 0 0	16	+ 7			24/25	ZN Z	iPKP ipPKP	23 42 30 43 6			(15500)	Compression. New Hebrides.
27	Z ZNE	e eL	3 36 4 32	•••		•••	Pacific Ocean. 22° N., 150° E.		ZN NE	PP isS	45 46 0 4 25				15° S., 167° E. with focal depth 140 km.
		F	5 35			•••	(U.R.S.S.)		NE Z N	L L M	29 36	28		•••	(Ĵ.S.A.)
28		e F	17 42 18 15						IN	F	40 52 3 0		-25 	•••	
29		e F	20 33 21 0			•••		25	Z	eP L F	12 45 (48) 13 15			•••	Pacific Ocean, east of Japan 41° N., 151° E. (Peichiko.)
30/31	z	iP	21 0			6010	Dilatation. E, e.	27		r	14 10	··· 			No records, 9h 40m
	ZE Z NE	i iPPP	42 19 45 21	:::		•••	Azimuth about east. Destructive at Quetta.	- 0		_					to 17h 52m.
	Z N	iS iSP iPS	49 51 50 5 50 13			•••	30·2° N., 66·9° E. (J.S.A.)	28	Z	e L F	2 19 22 58 3 40			•••	Pacific Ocean west of Chile. 34.5° S., 82.5° W.
	E E	i iSS	50 <b>22</b> 53 49							•					(U.R.S.S.)
	Z N	i iSSS	54 35 54 46			•••		28	N N	e i	9 13 18 13 28				Very small. Phases from record of experi-
	Z ZNE E	i L M	57 II 59 22 6–15	(20)	 >350				N	i F	14 4 15				mental Wood-Ander- son seismograph. Felt in Southern
	N Z	M M	12-14	(17)	>300 >450									_	Germany.
		F		•••		•••	Overlapped by next shock.	29	ZNE NE NE	iP eSKS iS	7 I 25 II 47 I2 2		:::	956o 	Compression. Amplitudes of iP as read in mm.
31‡	N ZE	eL eL	<b>2 32</b> 36						NE	eSS L	17 56 29			•••	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	N	M F	37 23 3 0	21	- 8 	•••			E Z N	M M M	38 56 39 6	16 16	+91 -94	•••	giving azimuth about 287°. Acapulco Deep. 18° N., 103° W.
31		e F	13 28 50			•••			N	F	39 11 9 30		-39	•••	(J.S.A.)
31‡		e F	17 44 18 0			•••		July	7	iP	-0				Compression.
June		F	18 0			•••		5	Z Z N	ePP eS	18 1 31 3 32 8 39		:::	5470 	Bokĥara, near
1‡		e F	4 52 5 20			•••	30° N., 66° E. (U.R.S.S.)		E N	eSS L	12 11 17·5		:::	•••	(Strasbourg.)
2‡	ZNE E	iP eS	9 25 47			5890 	31° N., 67° E. (Strasbourg.)		Z Z N	L M M	21·3 25 18 25 22	15 17	 +27 +22	•••	
	NE ZNE	e eL	33 17 43 38 46			•••	(8014850418.)		Ē	M F	25 23 19 20	18	+27	•••	
	N E Z	M M M	49 45 54 26	16	+14 - 7	•••		6		eL F	4_9			·	
	L	F	54 38 11 5		- 9 	•••		6		eL	15 22 58		'''		
5	E	e F	11 53 15 12 0		:::	•••	Apennines. 44° 15′ N., 12° E.		_	F	23 10			•••	TO W. S. DINI Turns
							(Strasbourg.)	7	Z NE NE	eP eSKS L	13 36 25 47 6 14 10	:::	:::	(10700)	Felt in N.W. Luzon. 18° 20' N., 126° 10' E. (Manila.)
6		e F	12 52 14 30				Very small.		E	M F	23 0 15 0	15	+10		(2,20,2,2,7)
8		e F	1 25				Confused by wind and microseisms.	9		eL F	7 30 8 0			•••	
11		е	35 22 28				antoroscistus.	9	z	e e	12 39 11			•••	South China Sea.
		F	23 0			•••		-	NE NE	e L E	45 55 13 11			•••	(Peichiko.)
	(			ons fro	}					F	14 15	<u> </u>		•••	

^{*} Repetitions from the shock at 24d. 5h.

[‡] Repetitions from the shock at 30d. 21h.

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.		Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli-	Δ	Remarks.
July			h. m. s.	s.	tude.	km.		July			h. m. s.	s.	tude. μ	km.	
11		eL F	9 7				Japan. 35° N., 140° E. (U.R.S.S.)	30	NE Z	L L F	6 38 53				
11		eL F	14 23 45					31		e	7 20 10 30			•••	Very small.
12		eL F	2 12 40							F	35		•••	•••	Afghanistan. 37° N., 70° E. (U.R.S.S.)
15	Z Z	i e	14 32 21 34 39				Deep focus type.	Aug.	Z Z	eP ePP	14 20 28 24 40			(11300)	Confused by microseisms.
15		F eL	40 18 42						ZNE	eSP L F	33 37 15 0 45			•••	Philippine Deep. 10·5° N., 126·4° E. (Manila.)
16	z	F iP	55 16 31 52	 		 9790	Compression.	I	Z E	eP eS	16 20 25 30 20			8700	Near Pacific Coast of Costa Rica.
10	E NE	eS L	42 41 17 4				Destructive in Formosa. 24.6° N., 120.9° E.		N E	L M F	42 54			•••	10° N., 86° W. (U.S.C.G.S.)
	E	M F	11 33 18 o		+21		(Tokyo.)	3*	NE	eР	17 45 1 23 8			9710	Near northern
17		eL F	0 12 25						E N NE	iSKS eS iS _c S	33 37 33 53 34 3			•••	Sumatra. 5° N., 97° E. (J.S.A.)
17		eL F	1 4 40				Pacific Ocean south of Aleutian Islands. 47° N., 177° W.		N N N	ePS L M	34 37 52 2 1 11	  25	 +81	 	
	_					(6)	(U.R.S.S.)		Ë	M F	8 46 5 20	20	+82		
17	Z NE NE	eP eS L	4 41± 48 41 57			(60 <b>0</b> 0) 	Atlantic Ocean, near o°, 15° W. (Strasbourg.)	3*	NE	e(S) L F	5 40 22 44·4				Mediterranean Sea. 35° N., 20° E. (U.R.S.S.)
17	z	F e(PKP)	5 50 11 5 30				Horizontal compo-	3*	NE	eL	6 10 12 39		•••		Pacific Ocean east of
	N NE N	e L M	14 50 38 47			•••	nents disturbed by wind.  Atlantic Ocean south			F	13 25	•••	•••	•••	Philippine Islands. 13° N., 128° E. (U.R.S.S.)
		F	13 40				of South Georgia. 58° S., 37° W. (U.R.S.S.)	3*	NE	eL F	13 57 14 10			•••	
19	Z ZNE	eP iP	1 2 28 2 34			957º	Felt at Tokyo. 36° 5′ N., 143° E.	4*	E NE	e L F	2 47 7 3 10				
	Z E N	ePP eSKS eS	5 55 12 55 13 6			•••	(Tokyo.)	6 <b>*</b>	NE	F eL	30 0 39				
	E N N	iS ePS eSS	13 9 14 8					7*	NE	F eL	1 50 9 43				Southern Colombia.
	NE Z	L L	19·3 28 34						N.D	F	10 5				1° N., 77° W. (J.S.A.)
	E Z N	M M M	35 4 44 38 44 56	30 18 18	+50 +45 -44			10		eL F	18 <b>25</b> 19 0				
23		F eL	3 40 4 26				Indian Ocean.	17	Z ZN Z	ePKP ePP iPPP	2 4 23 8 7 11 34			(16500) 	New Hebrides. 20° S., 171° E., with focal depth 120 km.
23		F	5 10				1° S., 70° E. (U.R.S.S.)		ZN	eSKSP eSS eSSS	18 23 27 26 33 15				(J.S.A.)
26	Z NE	eP eS	4 55 33 5 5 (25)			8630 	Very small.		EEN	L L	48 53				
	N	L F	17 50				a.		Z N E	M M M	3 9 45 10 10 10 27	20 21 23	-56 -50 +43	•••	
<b>2</b> 6	Z NE	e L F	11 1 6 12 5		 	 	China. 36° N., 105° E. (U.R.S.S.)	17		F eL	5 45 21 20				South China Sea
29	Z	i[PKP] ₁	7 57 44			(17000)	South-west of Tonga Islands.			F	35				17·0 N., 117·5° E. (U.R.S.S.)
	Z	i i[PKP] ₂ ip[PKP] ₂	57 49 57 56 59 42			•••	23° S., 178° W. with focal depth 490 km.	20	ZNE NE	e L	9 3 53 7 30				Very small. Probably Asia Minor. (Strasbourg.)
	ZNE Z N	eS[PKP], iPP e	8 0 38 1 29 8 11 0			 	(J.S.A.) Long waves indefinite.	21	z	F e	20 14 8 7			•••	Very distant.
29/30	NE	F L	10 44 23 45				Pamir.		. Z	L F	15 4 16 25			•••	Horizontal compo- nents disturbed by wind.
- 91 3~	Z	L F	49 0 0				38° 46′ N., 72° 16′ E. (Tashkent.)	22†		L F	20 48 21 25			•••	Baffin Bay. 73° N., 66° W. (J.S.A.)
			* No Z com								ises masked l				

^{*} No Z component record.

[†] Earlier phases masked by microseisms.

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.
Aug. 23†		eL F	h. m. s. 14 53 16 10	s. 	μ 	km. 	Sumatra. 4° S., 101° E. (U.R.S.S.)	Sept.		eL F	h. m. s. 4 30 40	s. 	μ 	km. 	
25	z	eP L F	5 I4±			•••	Barents Sea. 74° N., 36° E. (Strasbourg.)	15		eL F	12 19 13 25			•••	New Guinea. 10° S., 146° E. (U.R.S.S.)
25		eL F	6 15 21 16 22 0			•••	(Strasbourg.)	15		eL F	15 8 17 0				West of Easter Island. 29° S., 114° W. (U.S.C.G.S.)
26		eL F	17 18 18 5		: •••, •••	•••	Near Formosa. 27° N., 120° E. (Vladivostok.)	18	Z N E	iP eS L F	5 9 34 19 45 36 6 10			9010	Gulf of Panama. 7° N., 78° W. (J.S.A.)
27		eL F	6 9 25			•••	China. 28·5° N., 117·5° E. (Vladivostok.)	18		eL F	9 7 30				Japan. 42° N., 143° E. (U.R.S.S.)
29	Z	e F	11 <b>24</b> 35			•••		18		eL F	20 57 21 10				Confused by wind
31		eL F	18 24 9 20				Pacific Ocean south of Kurile Islands.	19		eL F	3 34 4 15	:::			and microseisms.
Court							43° N., 150° E. (U.R.S.S.)	20	Z ZN E	ePKP ePP iPP	2 5 54 7 35			(13500) 	Confused by microseisms. Azimuth about NE.
Sept.		eL F	8 <b>2</b> 5 40		•••	•••	New Ireland. 2·7° S., 152·2° E. (U.R.S.S.)		Z NE NE ZNE	i iSKKS ePKKP iPS	7 42 8 13 14 33 15 29 17 29				Epicentre from Kew and Bombay about 4° S., 144° E. New Guinea.
3		eL F	11 48 12 5						NE NE E	ePKKS iSS e	19 16 24 24 33 49				4° S., 141° E. (J.S.A.)
3	Z Z N	eP eS e F	17 39 52 43 36 47 18 0			2250  	Small. Felt around Janina, Greece.		NE NE Z N	e L L M M	37·1 39·6 52·7 49 51	  30	  +480*		*By extrapolation.
4	Z E	eP eS	1 38 10 46 42			7050 	Alaska. 63° N., 151° W.		E Z	M F	50 6 3 2 48 5 40	27 20 	+500* -200 	•••	
		F			•••	•••	(J.S.A.) Overlapped by next shock.	20‡	ZE Z E	ePP ePPP eSKKS	5 43 47 46 23			(13500)	4° S., 141° E. (J.S.A.)
4	ZE ZE Z NE NE Z NE NE	eP iPP iSKS iS iPS L M	1 50 42 50 44 54 22 2 1 9 1 34 2 39 20 36 14 36 15 36 18	    18	     +110 +100 -125	9860	Azimuth about east. Pacific Ocean east of Formosa. 22.5° N., 121.5° E. (Taihoku.)		NE E Z NE E NE NE Z NE NE	iPS e ePKKS eSS eSSS c L L M	50 44 53 42 53 47 55 28 6 0 31 6 18 14 7 17.3 26 31 2		      -49 +64		
	Z NE	L F	4 14 5 10		-125	•••	Via antipodes.		Ž	M F	39 41 8 20	18	+52		
9	Z NE NE	iPP e L	6 37 10 7 4 13 7			(12500) 	South-west of Caroline Islands. 6° N., 139° E. with	20‡	E ZE	ePS L F	21 34·7 22 6 23 15				No N record.
	N E Z	M M M F	17 33 18 18 28 4 9 10	24 23 19 	+54 -56 -17		focal depth 160 km. (J.S.A.)	23‡	Z Z Z Z	(eP) ePKP PP PPP	9 33 (52) 37 14 38 56 41 32			(13500)  	Confused by microseisms. 4° S., 141° E. (J.S.A.)
ŃΙ		eL F	13 10 14 5						NE NE Z	eSKKS ePS e	45 54 48 52		:::		
11	ZNE NE N ZNE Z	iP iPP ePPP iS i	14 16 16 19 22 21 44 26 24 27 13			8960  	Amplitudes of iP as read in mm.  N E Z  -4.7 -1.8 +14.2  Azimuth 23°, giving		NE NE Z Z	e L L M F	50 14 10 9 26 12 15 33 ² 5 12 10		   -22		
	N NE Z	eSS L L	32 48 40·1 46				epicentre—43° N., 146° E.; near North- ern Japan.	24‡		eL F	6 10 35		•••		
	Z N E	M M M F	50 30 50 39 55 42 18 30	27 26 20 	+250 +290 +175		44.5° N., 147.0° E. with focal depth 60 km. (J.S.A.)	24	Z N E	eP eS L	22 23 41 32 50 45			7780 	Dilatation. Pacific Ocean off Vancouver 50° N. 130° W.
14		eL F	21 32 40							M F	55 23 55	•••		•••	(U.S.C.G.S.)

[†] Earlier phases marked by microseisms.

[‡] Repetition of the New Guinea shock at 20d. 2h.

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.
Sept. 25‡	Z Z NE	e(PP) e(PPP) L	h. m. s. 10 40 20 42 56 11 19	s. 	μ  	km. 	2° S., 145° E. (Manila.)	Oct. 13		eL F	h. m. s. 2 4 ^I 3 25	s. 	μ 	km. 	Japan. 41° N., 146° E. (U.R.S.S
	Z	L M F	25 34 12 15		•••			13		eL F	19 51 20 0				Asia Minor. 38·0° N., 41·5° E. (U.R.S.S
6/27		eL F	23 45 o 25					14		eL F	10 36 50				
28†	N N N	iP iPg iS	16 19 53 20 24 21 0			66o 	Readings from record of experimental Wood- Anderson seismo-	14		eL F	20 47 21 0			•••	
	N	iS* F	21 24 26				graph. Felt around Bordeaux.	18	Z Z	iP iPP	0 24 32 27 44			9430	Compression. Ne Northern Japan.
29		eL F	6 34 7 <b>2</b> 0						E E E	eSKS iS iPS	34 54 35 4 35 30		 		44° N., 147° E., with focal depth 80 Kr (J.S.A
oct.		eL F	II 45 I2 0						NE E NE	iSS eSSS L	40 22 43 41 50			 	
2	ZN Z NE N††	iP ipP iS isS	5 45 11 45 25 55 17 55 51			9100 	Dilatation. Amplitudes of iP as read in mm. N E Z		Z N E Z	L M M M F	56·5 1 0 8 0 8 5 29 3 10	20 20 19	-105 +140 +67		
	N Z N	L L M F	6 11·4 19 19 34 50	 27 	+34 		-1·3 (0·0) +4·5 Azimuth about north. Near Northern Japan, 44° N., 147° E. with focal depth 80 km. (J.S.A.)	18	NEZ N Z NE NE	iPP eSKS e(S) ePS iSS	11 24 15 30 38 32 43 33 48 39 30			(12100)  	Near Guam. 13° N., 143° E. (J.S.A
6	z	e L F	4 46 6 3 25				†† Wood-Anderson record.		E Z E	L L M F	55 12 0 10 24 13 35	 19 	 +20 		
6		eL F	15 <b>23</b> 35					18	Z NE E	eP eSKS iS	15 6 21 16 44 16 53			9430 	Japan. Repetition the shock at 18d o
7		eL F	5 39 6 30						E Z E	L L M F	34 41 42 21 16 40	 20	 +34	 	
8	Z N N	(e) L M F	9 39 21 42 47 16 10 40	 25 	 +56 		Earlier Phases lost during change of charts. Bokhara. 37.5° N., 67° E. (U.R.S.S.)	22	N Z	e L F	7 42 10 8 22 9 20				Very small.
9	ZE ZE	eP iS	22 12 42 16 3			1980 	Dilatation. Felt in S.W. Iceland.	23		eL F	14 8 15				
	NZ Z	L M F	17·0 19 27 23 10	12	-2I 		62·5° N., 22·5° W. (Strasbourg.)	25		eL F	1 14 2 0				Polynesia. 17·5° S., 165·0° W. (U.R.S.S
10		eL F	2I I2 20				Pacific Ocean. 17.0° N., 131.5° E. (U.R.S.S.)	31	z	eL F	19 12 30		•••		Horizontal components disturbed by wind. Montant 47° N., 112° W.
1/12	Z E NE Z Z	ePP ePS L L M F	22 36 46 46 39 23 12 18 30 51		  +21	(13000)   	Bismarck Archipelago. 1° N., 145° E. (Manila.)	Nov.	Z E E	iP eS	6 1 <b>2 2</b> 7 19 41			5590 	(J.S.A Dilatation. Felt in Easter
12	Z Z Z Z E NE	eP iP iPP i eSKS	16 57 53 57 55 17 1 8 1 30 8 11 8 31	'		9560  	Pacific Ocean off Japan 41° N., 147° E. (Strasbourg.) Small. Large.		E N EZ E Z	iSS eL iL M M F	23 19 25 27 31 31 8 31 21 7 15	 18 18 	 -37 +39		Canada and U.S.A 46° 47′ N., 79° 04′ N (Ottawa
	N E E NE Z N	ePS iSS eSSS L L M	9 18 13 49 17 7 24 27·2 34 40		   +120		water.	1	Z NE E NE Z N	e eS eSSS L L M	16 36 44 42 53 46 17 2 9 9 52		   -39		Tong-King. 21° N., 103° E. (Manil
	E Z	M M L F	35 10 36 29 19 0 50	20 23 	+130 -120 	•••	Via antipodes.	5		F eL F	18 5 21 48 22 25				Celebes. 0·5° S., 120·5° E. (U.R.S.

[†] Repetition of New Guinea shock at 20d. 2h. † The notation used for near earthquakes is that of Jeffreys:—"The Earth," 2nd Edition, Cambridge University Press, 1929, p.100. London, Mon. Not. R. Astr. Soc., Geophys. Supp., 1, No. 8, 1926.

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat. 51° 28′ 6″ N. Long. 0° 18′ 47″ W. Height above M.S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.		Δ	Remarks.		Compt.	Phase.	G.M.T.	Period.	Ampli-	Δ	Remarks.
Nov.	Z E N N	eP eS L M F	h. m. s. 4 4 ¹ 39 45 ¹ 46·2 47 35	s.   15	μ	km. 1990 	Albania. 40·5° N., 20·5° E. (Strasbourg.)	Dec. 14 cont.	E N E N E	eSS eSS esSS iSSS esSSS	h. m. s. 57 51 58 11 2 0 54 2 15 5 15	s.  	μ	km	Northern Peru. 5·5° S., 73·3° W., with focal depth 350 km. (J.S.A.) Surface waves poorly
10	ZNE N ZE E	e LQ LR M F	18 46 52 53 55 41 55 44		  —14		North of Leeward Islands. 19° N., 63° W. (J.S.A.)	14/15	ZE Z E	iSSSS F iP i iS	5 31 3 0 22 17 30 17 35			 8890 	developed.  Compression. N, e.
11		eL F	19 50 14 20 15 0				South of Fiji Islands. 21° S., 176° E. (U.R.S.S.)		ZNE E E E E	ePS i i iSS eSSS	27 35 28 13 29 17 29 38 33 12 36 11				Large movements.
14		eL F	20 56 21 30			•••	Confused by wind disturbance. North of Solomon Islands. 5° S., 161° E. (U.R.S.S.)		N ZNE N Z E	i eL M M M	38 53 41 51 0 54 38 54 38	 20 17 17	 -75 +185 +185	•••	Pacific Ocean off Central America.  14° N., 93° W. (U.S.C.G.S.)
16		eL F eL	o 28 45 6 50				Atlantic Ocean. 2.5° N., 34° W. (U.R.S.S.)  East of Philippine	15	ZNE Z N E	F ePKP iSKP iSS iSSP	7 27 11 30 33 48 22 48 32			 (15000)  	Felt in Solomon Islands 10° S., 163° E. (Manila.
23		F eL	7 5 8 33				Islands. 15° N., 130° E. (U.R.S.S.)  Pacific Ocean, west of		N NE NE Z	i iSSS eL eL M	49 51 53 8 57 8 9 13 2	   36	   +185		
25	Z Z	iP iPP	45 10 15 55 19 26			 9640 	Ecuador. o°., 85° W. (J.S.A.) Dilatation. South of Andaman		E E Z N	M M M F	17 15 22 30 22 40 11 5	28 25 24 	-130 -110 -155 	 	Charles shaws by
	E N NE Z N	eSKS iS L L M	26 21 26 35 46 54 11 3 24	   18	  +12		Islands. 10° N., 92° E. (Strasbourg.)	16	NE	i F	17 18 32 35				Clearly shown by Wood-Anderson seis mograph. Very small No "Z" record.  South of Riu-Kiu
28	z	e F eP	12 0 13 17 20				Confused by micro-	17	Z ZN ZNE NE ZN N	eP ePP sSKS eS iSS	19 30 46 31 14 34 35 41 30 41 48 47 58				Islands. 22° N., 127° E. (Strasbourg.)
30	EEEE	eS ePS L M F	3 51 36 4 1 16 1 38 18·5 21 1 5 10	   20	  -16	8390   	seisms. Caribbean Sea north of Panama. 10° N., 80° W. (U.S.G.G.S.)		NE N Z E N	L M L M M	58 20 3 37 4 5 37 6 23	39  31 29	 -105  -89 -91		
Dec.	NE Z N	eL eL M F	0 31 35 36 9 50	 17 	 -8 		Confused by microseisms. Probably in Riu-Kiu Islands. (Manila).	18	ZNE NE NE	M F e(SSS) L M	17 24 22 5 7 41 48 51 5	   28	-52   +13		Southern China. 27° N., 103° E. (Chiufeng.
2	N N	eL M F	17 33 40 3 55	 17 	 +7 	•••	No records of "Z" and "E-W" com- ponents. Confused by micro- seisms.	18	E Z	M L F	51 34 53 8 35 17 39	30 	-13 	•••	Repetition of preced-
5	N	e	18 53 12				Near Riu-Kiu Islands. 27·5° N., 127·5° E. (U.R.S.S.)	20		F e F	0 55 1 5	 :		•••	ing shock. 28·5° N., 104·0° E. (U.R.S.S.
	NE Z N	eL eL M F	19 2 8 16 1 20 5	 20 	 -6 			20	ZN N Z N	eSKP L L M M	18 59 1 19 41 46 46 22	  28 20	 -10 +8	(145 <b>0</b> 0)  	No "E–W" record. Solomon Islands. 9°S., 159°E. (Manila.
9	ZNEZ	eL M F iP isP	9 I 5 33 35 I 42 47 45 2		-7 	  9300	}ne, e.	21	ZNE	M F eL F	59 59 20 0 4 21 10 0 12 32 13 0	20 20	-8 		Pacific Ocean off Central America.
	Z NE ZNE ZNE ZNE	ePP iSKS iS eSP esSP	46 8 52 12 52 33 53 28 56 31				Large on "N-S" component.	23	ZNE	eL F	15 30 45				14° N., 92° W. (J.S.A.) Kurile Islands. 49·0° N., 154·5° E. (U.R.S.S)

Galitzin Seismographs, three components.

546. KEW OBSERVATORY.

Lat  $51^{\circ}$  28' 6" N. Long  $0^{\circ}$  18' 47" W. Height above M S.L. 5 metres.

Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Ampli- tude.	Δ	Remarks.
Dec. 24	Z NE NE Z E	eP eS L L M F	h. m. s. 12 36 25 46 45 58 13 1 5 8 14 5	s.   26	μ   +8	km. 9200  	Confused by microseisms.	Dec. 28 cont.	E N Z E	M M M M F	h. m. s.  26 2 30 0 35 17 35 48 7 30	s. 30 28 25 27 	$ \mu $ +170 +330 -360 -200	km.   	
28	ZE ZNE ZNE ZE ZE Z E NE N ZE N ZE N ZE	iP iPPP iPPP i iSKS iS i iSSS i i L i i(SSSS) iPPP i L M	2 48 56 49 5 52 55 54 57 58 28 59 39 59 55 3 0 3 1 35 3 42 5 55 6 46 • 7 36 10 35 10 38 12 23 14 37 15 13 18		         		Amplitudes as read in mm.:—  N. E. Z. (0.0) -1.2 +1.7 +1.3 +6.8 -12.7 Azimuth about 80°. Indian Ocean off western Sumatra. o°, 98° E. (Batavia.)  By path > 180°.  *Not completely	30	ZNE NE Z E NNN NNNN	c c c c c c c c c c c c c c c c c c c	50 4 39 55  0 7 57 38 45 48 53 2 0 3 10 46 11 4 11 22 13 3 38 36 39 28 39 35 40 9				Very small. Near Sumatra.  1° S., 97·5° E.  (U.R.S.S.)  Disturbed by wind and microseisms. New Guinea.  2° S., 140° E.  (Wellington.)  Readings from experimental Wood-Anderson seismogram; very small on Galitzin records. Confused by microseisms. Black Forest.  48° 30′ N., 8° 10′ E.  (Strasbourg.)

547. KEW OBSERVATORY:

[ y 4}	Г			7439745					T T									<del></del>			DOW			
Month Hour G.M. T	<b>-</b>	Oh	6	JANUAR h	12	h	18	h	0	h	6	FEBRUA	12	h	18	h	O)	h	61		RCH 12	h	181	h
	A	Tρ	A	Tρ	A	Τρ	A	Tρ	A	Τρ	A	Tp	A	Tρ	A	Tρ	A	Tρ	A	Tρ	A	Tρ	A .	Tρ
Day 1 2 3 4 5	μ 2·1 2·1 2·1 1·3 1·3	8 7·7 7·3 7·3 6·7 6·0	μ 2·5 2·3 2·1 1·1 1·1	5 7•7 7•0 7•3 6•7 5•8	μ 3·0 2·7 2·2 1·0 1·6	s 7·7 7·3 7·0 5·0 5·6	μ 1.8 2.1 1.9 1.1	8 7·5 7·5 7·0 6·0 5·0	μ 3·9 3·1 2·6 2·2 1·4	5 8-0 6-7 6-5 6-5 6-3	μ 4·0 2·9 2·3 2·0 1·4	s 7·5 6·5 6·5 6·0 6·3	μ 3·2 2·9 2·7 1·4 1·6	s 7-7 5-8 6-5 6-7 6-0	μ 2·3 2·9 3·0 1·1 1·6	5 7·0 5·8 6·3 6·3 6·0	μ 4·8 2·7 2·2 1·1 1·4	8 6·7 6·7 5·8 5·4 6·0	2·9 2·6 1·2 1·1 1·1	6.0 6.7 6.0 6.0	μ 2·7 2·7 1·2 1·1 1·7	5 7·0 6·3 6·0 5·6 6·0	1.3 2.2 1.3 1.1 1.1	5 7·0 6·5 5·8 5·6 6·7
6 7 8 9 10	1.1 1.1 0.6 0.9 1.6	4-8 6-0 6-0 6-5 7-0	1.2 0.7 0.2 0.9 2.5	5-0 6-0 5-6 6-0 7-0	1-1 0-3 0-3 1-1 3-2	5.6 5.4 5.4 6.5 7.5	1·1 1·0 0·5 1·0 2·2	5•4 5•4 6•3 6•5 6•5	1.3 1.4 0.7 1.1 1.4	5-8 5-0 5-0 6-3 7-3	2·1 1·2 0·4 1·6 1·1	4.8 5.2 6.7 6.5 6.0	1·1 0·9 0·9 2·1 0·9	5·4 5·4 6·5 6·0 6·7	1·1 1·0 1·1 1·1 0·9	5·2 4·8 6·5 5·6 6·3	1.2 1.5 1.0 1.3	6·3 6·3 7·5 6·5 6·0	1.0 1.2 1.8 0.6 1.1	6.0 6.7 7.3 6.0 7.0	1.0 1.4 2.1 1.0 1.1	6.0 6.3 6.7 6.0 7.0	1.2 2.1 1.1 1.1 0.8	6-3 7-0 7-0 5-6 5-6
11 12 13 14 15	2.9 3.7 2.5 2.2 1.1	7-0 7-0 6-7 5-8 6-5	3·3 2·9 2·6 1·9 0·9	7.0 7.5 7.0 6.5 6.0	4·3 3·8 2·2 1·1 1·1	6·7 6·5 6·0 6·7	2.6 3.2 1.9 1.5 1.1	6.7 7.5 5.6 6.5 6.3	0.9 1.1 1.4 0.8 2.2	5.6 6.5 5.6 5.4 6.3	0.8 1.4 1.1 1.2 2.3	6·3 6·3 5·2 5·2 6·0	0.8 1.4 1.4 2.1 1.9	5•4 5•0 5•0 5•6 6•0	1.1 0.9 1.1 1.9 1.9	6.0 5.2 4.7 5.6 5.8	0·7 2·1 1·0 0·6 0·3	5·0 5·6 5·4 7·0 6·0	1.0 2.0 1.0 0.3 0.1	6·0 7·3 6·3 5·8 4·7	1.3 1.9 0.6 0.2 0.2	5·4 7·3 6·7 5·8 6·7	1.5 1.2 1.1 0.3 0.6	7.5 7.5 6.7 6.5 5.8
16 17 18 19 20	1.0 0.8 0.8 0.8 0.8	6.5 6.5 5.6 6.0 5.4	0.5 1.0 0.7 0.9 0.2	6.5 6.3 6.0 7.0 7.0	0-8 1-0 0-8 0-7 0-5	5-6 6-7 7-0 6-3 6-3	1.0 0.9 0.8 0.6 0.5	7.0 6.5 6.5 6.0 6.5	2·2 2·4 1·6 2·5 2·3	6-5 6-5 6-0 7-3 6-3	2·4 2·2 2·2 2·4 1·6	6·3 5·0 6·5 7·0 6·0	2.6 1.5 2.1 2.4 2.5	6.0 6.3 6.7 5.8 6.5	3.0 2.2 2.1 2.6 4.0	6·0 6·5 6·7 6·7	0·4 1·0 2·1 1·7 1·1	6.0 7.5 7.0 6.0 5.4	0·4 1·2 1·1 1·7 0·8	7-0 7-7 7-0 5-8 5-0	0·3 2·1 1·1 1·2 1·0	5·8 7·5 6·3 5·8 5·6	0.9 1.9 1.4 2.0 0.8	6·0 7·5 6·7 5·4 5·2
21 22 23 24 25	0.2 0.5 1.1 4.0 2.6	6-0 6-5 7-3 7-7 6-3	0·3 0·7 1·1 2·6 4·7	6·3 6·5 7·0 7·5 7·3	1.0 1.1 1.6 1.8 6.2	5.8 6.7 6.7 7.3 7.7	0.5 1.1 2.9 1.6 12.1	6-5 6-7 7-0 7-0 8-7	4-0 3-3 6-3 3-6 5-3	7.0 6.7 6.5 6.5 7.3	4-4 4-9 5-6 4-0 5-1	7·5 6·3 7·3 7·5 7·0	6·3 5·8 3·5 3·3 4·6	6.7 6.0 6.5 6.5 6.7	5-4 6-1 3-8 4-4 5-0	7·0 6·3 6·7 7·3 7·3	1·1 1·1 2·2 1·1 1·1	5.6 6.5 6.0 5.6 6.0	1·1 1·1 2·3 1·2 1·1	5.0 5.6 6.7 5.2 6.3	0.8 2.4 1.6 0.9 1.3	6·5 7·0 6·5 5·8 6·5	1·1 2·5 1·0 0·6 1·1	6·7 7·0 6·0 5·6 6·7
26 27 28 29 30	9-5 2-6 1-3 0-2 0-4	9-3 7-0 6-0 4-7 6-0	6.6 1.8 0.4 0.2 0.7	8-3 6-5 5-6 4-0 5-6	3-7 2-2 0-2 0-2 0-3	7-3 6-0 4-1 5-0 5-6	3.0 1.3 0.2 0.2 0.4	7.0 6.0 4.3 5.2 6.0	6·1 3·3 5·2	6-5 7-0 6-5	4.0 3.3 4.9	7·3 6·7 7·5	2·9 4·1 3·5	7.5 6.3 7.5	1.9 4.0 4.3	7•5 6•5 6e7	2·2 1·7 0·4 2·2 1·0	7-0 6-7 6-0 8-3 5-8	2.5 1.1 0.2 4.3 1.0	6.7 6.5 4.8 8.0 6.0	2·1° 1·1 0·3 2·1 0·5	6·7 6·0 6·0 8·3 6·7	2-2 0-8 0-9 0-8 1-4	6·7 5•6 7·3 6·3 7·5
31	0-8	5-4	1.0	6.0	2.4	7-7	3-2	8-0	<u> </u>								1.1	7.5	0-9	6.0	0-8	6.3	0-9	5-6
Mean	1.7	6-5	1.6	6-5	1.7	6-4	1.8	6-5	2.6	6-4	2.6	6-4	2-5	6-2	2.6	6.3	1.4	6.3	1.3	6.2	1.3	6-4	1.3	6-4
Mean for Days	1		A = 1	17µ; :	<b>I</b> ρ = 6·	· 58					A = 1	2•6µ; '	11O ≃ 6	. Va			1		A = 1.	زبان	$T\rho = 6$	•38		
for Days.	<del>                                     </del>				.,				ļ			. · OF- 7	<u> </u>				<del> </del>							
Month		nt.		APR:	IL.		Т .	OL.	-		T	M	AY		1 36					JU	NE		161	
	. (	Oh.			IL.	2h	10	3h Tp	O1 A	Тр	61 A	M			18	īρ	OI A		6:	JU			181	h Tp
Month		0h To S 6.0 5.4 4.0 4.7 6.5		APR:	IL 13		+	<del></del>	ļ	<del></del>	61	Ж	1.21	h	<del> </del>			h.	-	JU h	NE 12	h		
Month Hour G.M.T. Day 1 2 3	μ 1·1 1·1 0·1 0·1	Τρ 8 6·0 5·4 4·0 4·7	μ 1·1 0·4 0·1	APR.  Sh  S 5-8  5-8  5-2  4-1  5-4	μ 1-1 0-9 0-1 0-2	2h Tp 8 5-4 5-2 4-3 3-1	μ 1·2 0·8 0·2 0·5	8 5·2 5·0 4·7 6·5	μ 0·3 0·1 0·2 0·2	Τρ 8 4·5 5·4 5·2 4·8	β1 A μ 0-2 0-1 0-1 0-2	Tp  8 4.7 5.2 5.4 5.6	ΑΥ 12: Α 0-2: 0-1: 0-2: 0-2: 0-2:	s 5-0 5-6 5-4 5-4	μ 0·2 0·1 0·2 0·1	πρ s 5.0 5.2 5.2 5.4	μ 0·1 0·1 0·4 0·4	π π π π π π π π π π π π π π π π π π π	μ 0·1 0·1 0·2 0·2	JU h Tp s 5-0 3-7 5-2 5-2	12 A 0-1 0-2 0-4 0-1	h Τρ  8 4.8 5.0 4.8 4.5	μ 0·1 0·2 0·3 0·1	Τρ 8 4-0 5-0 5-6 4-1
Month Hour G.M.T.  Day 1 2 3 4 5 6 7 8 9	μ 1-1 1-1 0-1 0-1 1-0 0-2 1-0 1-1 0-8	8 6-0 5-4 4-0 4-7 6-5 6-3 4-8 5-4 5-2	μ 1·1 0·4 0·1 1·1 1·1 1·1 0-8	APR 3h Tρ 5.8 5.8 5.2 4.1 5.4 6.0 4.3 5.6 5.4 5.0	μ 1:1 0.9 0.1 0.2 1.1 1.2 1.1 1.2	2h Tp 5-4 5-2 4-3 3-1 6-0 5-6 5-0 6-3 5-2	μ 1-2 0-8 0-2 0-5 0-9 0-8 1-1 1-1	Tp  8 5-2 5-0 4-7 6-5 6-3 5-6 5-4 6-0 6-3	μ0·3 0·1 0·2 0·2 0·3 0·1 0·1 0·2 0·3	Tp  8 4-5 5-4 5-2 4-8 5-7 4-3 5-6 5-4 4-2	μ 0·2 0·1 0·1 0·1 0·1 0·1 0·1 0·1	Tp  8 4.7 5.2 5.4 5.6 4.6 4.3 6.0 5.0 4.4	ΑΥ μ 0-2 0-1 0-2 0-1 0-1 0-2 0-1	5.0 5.6 5.4 5.4 4.2 5.0 5.6 5.6 5.2	μ 0·2 0·1 0·2 0·1 0·1 0·1 0·3 0·1	Tp 8 5.0 5.2 5.4 4.6 5.0 4.6 5.5	μ 0·1 0·1 0·4 0·4 0·1 0·3 1·1 0·3	5-6 4-0 4-8 5-2 4-3 4-3 4-3 4-3 4-3	μ 0·1 0·2 0·2 0·2 0·2 0·1 0·4 0·8	JUh 8 5-0 3-7 5-2 5-4 4-0 4-3 5-2 4-3	12 μ 0·1 0·2 0·4 0·2 0·6 0·6 0·3	h Τρ  8 4-8 5-0 4-8 4-5 4-8 5-0 5-8 5-0 4-3	μ 0·1 0·2 0·3 0·1 0·2 0·3 0·9 0·5	# 4-0 5-0 5-6 4-1 5-0 3-9 4-8 4-8 4-3
Day 1 2 3 4 5 6 7 8 9 10 11 12 13	μ 1-1 1-1 0-1 1-0 0-2 1-0 1-1 0-8 2-9 1-8 0-8 1-2	To 8 6-0 5-4 4-0 4-7 6-5 6-3 4-8 5-4 5-2 6-0 5-4 5-2	μ 1·1 0·4 0·1 1·1 0·4 1·1 1·1 0·8 2·7 2·8 0·9 1·1 1·1	APR 3h Tρ 5-8 5-8 5-4 6-0 4-3 5-6 5-4 5-0 6-7 5-4 5-7	μ 1-1 0-9 0-1 1-1 1-2 1-1 1-2 1-1 1-2 1-1	2h Tp  s 5-4 5-2 4-3 3-1 6-0 5-6 5-0 6-3 5-2 5-6 5-6 5-6 5-6 5-6	μ 1·2 0·8 0·2 0·5 0·9 0·8 1·1 1·8 2·2 2·3 1·1 1·1	Tp  8 5-2 5-0 4-7 6-5 6-3 5-6 5-4 6-0 6-3 5-8 5-2 4-8 5-0 5-6	μ 0·3 0·1 0·2 0·2 0·3 0·1 0·1 0·2 0·3 0·1	To 8 4-5 5-4 5-8 5-7 4-3 5-6 5-4 4-2 4-3 4-8 5-8	μ 0·2 0·1 0·1 0·1 0·1 0·1 0·3 0·1 0·3 0·4	Tp  8 4.7 5.2 5.4 6.0 6.0 4.4 4.8 4.5 5.2 5.2	AΥ	5.0 5.6 5.4 4.2 5.6 5.6 5.6 5.2 4.5	μ 0·2 0·1 0·2 0·1 0·1 0·1 0·1 0·1 0·2 0·1 0·1 0·3 0·1	TP 8 5-0 5-2 5-4 4-6 5-2 4-6 5-5 4-7 4-7 5-4	μ 0·1 0·4 0·4 0·1 0·3 1·1 0·3 0·1 0·2 0·1 0·1	5-6 4-0 4-8 5-2 4-3 4-3 4-0 5-0 4-3 4-7 5-0 4-8 4-1 4-5	μ 0·1 0·2 0·2 0·2 0·1 0·4 0·8 0·1 0·1 0·1	JU h S 5.0 3.7 5.2 5.4 4.3 5.2 4.3 4.3 5.0 4.1 3.6 4.3	12  µ 0·1 0·2 0·4 0·6 0·6 0·3 0·1 0·1 0·1 0·1	# Tp  8 4-8 5-0 4-8 5-0 5-8 5-0 4-3 4-7 4-3 4-7	μ 0·1 0·2 0·3 0·1 0·2 0·3 0·9 0·5 0·1 0·3	8 4.0 5.0 5.6 4.1 5.0 3.9 4.8 4.3 4.5
Month Hour G. M. T.  Day  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25	μ 1-1 1-1 1-1 0-1 0-1 1-0 1-0 1-0	To 8 6·0 5·4 4·0 4·7 6·5 6·3 4·8 5·2 6·0 5·4 5·2 5·0 5·4 5·2 5·0 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·2 4·7 5·7 5·7 5·7 5·7 5·7 5·7 5·7 5	μ 1·1 0·4 0·1 1·1 0·4 1·1 1·1 1·1 0·8 2·7 2·8 0·9 1·1 0·6 0·2 1·2 1·0 0·1 0·1 1·1 0·6	APR.  8 5.8 5.2 4.1 5.4 6.0 4.3 5.6 5.4 5.0 6.7 5.4 5.8 5.6 5.8 5.6 5.8 5.6 5.8 5.6 5.8 5.6 5.8 5.6 5.8 5.6 5.8 5.6 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8	μ 1-1 0-9 0-1 0-2 1-1 1-2 1-1 1-2 1-1 1-2 1-1 1-2 1-1 1-2 0-1 1-1 0-3	2h Tp  s 5-4 5-2 4-3 3-1 6-0 5-6 5-8 5-2 5-6 5-8 5-8 5-8 5-4 6-0 5-6 5-8 5-4 4-3 3-7	μ 1-2 0-8 1-1 1-1 1-8 2-2 2-3 1-2 1-1 1-1 0-2 0-6 1-5 1-2 0-8 0-2 0-3 0-3 0-1 0-1	To 8 5.2 5.4 6.5 6.3 5.6 6.3 5.8 5.4 6.3 5.8 5.2 6.3 5.8 5.2 6.3 5.4 6.3 5.6 5.2 6.5 6.3 5.6 6.3 5.6 6.5 6.5 6.5 6.5 6.5 6.5 6.5	μ . 0.3 . 0.1 . 0.2 0.3 0.1 0.1 0.2 0.4 0.7 0.3 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	To 8 4-5 5-4 5-6 5-4 4-2 5-6 4-2 4-3 5-8 5-8 5-8 5-8 5-8 5-8 5-8 5-8 5-8 5-8	0.1 0.1 0.1 0.1 0.1 0.1 0.3 0.4 0.4 0.4 0.1 0.1 0.1 0.1 0.1	# Tp # 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 0.1     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.2     0.3     0.4     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5     0.5	5-0 5-4 5-4 4-2 5-0 5-8 5-2 4-5 4-5 4-5 4-5 4-8 5-8 4-4 4-8 4-3 3-7 5-8 4-3 6-7 5-8 6-0 6-0 5-1	μ 0·2 0·1 0·1 0·1 0·1 0·1 0·2 0·5 0·4 0·5 0·2 0·1 0·1 0·2 0·3 0·1 0·1 0·3 0·1 0·3 0·1 0·3 0·3 0·3 0·3 0·3 0·3 0·3 0·3	TP 802246 02655 77452 66608 78965 54008 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 6556565 65565 65565 65565 65565 65565 65565 65565 65565 65565 65565 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65565 65565 65565 65565 65	μ 0·1 0·1 0·4 0·1 0·3 1·1 0·3 1·1 0·1 0·1 0·1 0·1 0·1 0·1 0·1	5-6 4-0 4-8 5-2 4-3 4-0 5-0 4-3 4-7 5-0 4-8 4-1 4-8 4-1 4-8 4-8 3-7 5-0 4-5 6-0 5-6 5-4 6-0 5-6 5-4 6-0 5-6 5-4	μ 0·1 0·2 0·2 0·2 0·3 0·1 0·1 0·1 0·1 0·1 0·1 0·1 0·1	JU h 5-0 3-7 5-2 5-4 4-0 4-3 5-2 4-3 4-7 4-3 4-7 5-2 5-6 6-3 6-6 5-8 6-7 5-7 4-3 4-6 6-6 5-0 5-0 5-0	NE  12  A  0.1  0.2  0.4  0.3  0.1  0.1  0.1  0.1  0.1  0.1  0.1	th To s 4.8 5.0 4.8 5.0 4.3 4.7 4.3 4.7 4.3 4.7 4.5 4.8 6.0 5.6 5.6 5.0 4.3 4.2 6.8 5.0 5.0 4.9	μ 0·1 0·2 0·3 0·3 0·1 0·1 0·1 0·1 0·1 0·1 0·1 0·1	TP 8 4.0 5.6 4.1 5.0 3.9 4.8 4.8 4.3 4.5 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3

Mote.- The Symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

Month	1			JUI					<u> </u>			AUGUS	ST.		<del></del>					SEPTE	MBER			
Hour G.M.T.	Ož		6			2h	18	h		h	6	h	121	h	38	h	0	h	6		12	h	18	3h
mente	A	Tρ	A	Τρ	A	Τρ	A	Tρ		Tρ	A .	Tρ	A	Tρ	A	Tρ	A	Tρ	A	Tρ	A	Tρ	A	ΤР
Day 1 2 3 4	μ 0·3 0·1 0·2 0·1 0·3	5.6 4.8 4.8 4.5 4.5	μ 0·2 0·3 0·3 0·1 0·1	s 5.0 4.5 4.5 4.8 5.0	μ 0·1 0·2 0·1 0·1 0·2	\$ 5.4 4.5 4.7 4.8 5.0	μ 0·1 0·3 0·1 0·1 0·4	s 5·2 4·7 4·3 4·5 5·0	μ 0·1 0·1 0·1 0·1 0·1	s 4·5 4·8 4·1 3·3 4·0	μ 0·1 0·1 0·1 0·1 0·1	8 4·8 4·3 4·5 3·7 4·3	μ 0·1 0·1 0·1 0·1	s 4·8 4·5 3·7 3·5 4·3	μ 0·1 0·1 0·1 0·1	s 5·0 4·3 3·3 3·5 4·5	μ 0·1 0·1 0·3 0·1	8 4·3 3·7 3·7 4·1 4·8	μ 0·1 0·1 0·1 0·1 0·1	8 4·3 3·4 3·4 4·1 4·3	μ 0·1 0·2 0·3 0·1 0·1	8 3·7 3·1 3·8 3·7 4·5	μ 0·1 0·1 0·3 0·1 0·1	s 3-7 3-6 4-0 3-6 4-3
6 7 8 9 10	0·1 0·1 0·1 0·1 0·2	5-0 4-5 4-1 4-7 5-0	0.4 0.1 0.1 0.1 0.2	4.8 4.7 4.0 4.5 5.8	0.2 0.1 0.1 0.1 0.3	4.7 4.5 4.2 4.2 5.6	0·1 0·1 0·1 0·1 0·2	4.8 4.5 4.8 4.7 5.2	0·1 0·1 0·1 0·1 0·1	4.5 3.5 4.3 5.2 5.6	0·1 0·1 0·1 0·1 0·1	4.5 4.0 4.7 5.7 5.2	0·1 0·1 0·1 0·2 0·2	3·5 4·3 5·4 5·8 5·4	0·1 0·1 0·1 0·2 0·1	3.5 4.3 5.0 5.8 5.2	0·1 0·1 0·1 0·1 0·2	4·3 4·7 4·3 5·0 6·7	0·1 0·1 0·1 0·1 0·3	4·3 5·0 4·5 4·8 6·3	0·1 0·1 0·1 0·1 0·9	4·7 4·3 5·2 7·5	0·1 0·1 0·2 0·2 0·9	4·7 4·3 4·8 5·6 7·3
11 12 13 14 15	0.2 0.2 0.6 0.2 0.1	5.6 5.0 5.7 5.8 5.4	0.2 0.1 0.5 0.2 0.1	5•4 5•8 5•6 5•2 5•0	0.2 0.2 0.6 0.1 0.1	5.2 5.6 6.0 5.0	0.2 0.4 0.3 0.1 0.3	5.0 5.6 5.6 5.5 6.7	0·1 0·1 0·1 0·1 0·2	4.7 4.8 4.3 4.4 5.4	0·1 0·1 0·1 0·1 0·1	4.7 4.5 4.3 4.1 5.2	0·1 0·1 0·1 0·1 0·1	4.5 4.2 3.6 4.3 4.5	0·1 0·1 0·1 0·1 0·1	4.5 4.8 4.1 5.0 4.8	1·3 0·8 0·3 2·5 1·3	7·3 6·5 7·3 8·3 6·5	1·1 0·8 0·4 2·5 1·2	7·5 6·5 4·5 6·7 6·3	0.8 0.5 1.1 1.9 1.0	6·7 6·3 6·3 7·3 6·0	0.8 0.3 2.1 1.5 1.0	6.5 5.4 7.7 6.5 6.0
16 17 18 19 20	0.6 0.4 0.1 0.1 0.1	7·3 6·0 5·0 4·1 4·5	0.8 0.3 0.1 0.1 0.1	6.5 6.0 4.8 4.3 5.0	0.4 0.2 0.1 0.1 0.1	6.7 5.7 4.6 4.7 4.5	0.8 0.1 0.1 0.1 0.1	6.5 5.6 4.6 4.8 5.2	0·1 0·1 0·1 0·1 0·1	4·4 4·3 4·3 4·5 4·0	0·1 0·1 0·1 0·1 0·1	4.2 4.5 4.5 4.3	0·1 0·1 0·1 0·1	4·5 4·3 4·5 4·3 4·1	0·1 0·1 0·1 0·1 0·1	4·1 4·3 4·5 4·5 4·3	0.9 1.3 1.0 1.1 3.1	6.0 5.7 5.0 5.4 6.3	0.8 1.3 1.1 1.4 2.2	5.8 6.5 5.2 6.0	0·7 1·7 1·0 1·5 1·9	5.0 5.4 4.8 5.6 5.8	0.9 2.3 0.8 3.6 1.4	5·4 4·1 5·0 5·4 5·2
21 22 23 24 25	0·1 0·1 0·1 0·1 0·1	5.0 4.7 4.3 4.8 5.0	0·1 0·1 0·1 0·1 0·1	5.2 5.0 4.1 4.5 5.0	0·1 0·1 0·1 0·1 0·1	5.0 4.3 5.0 4.8 4.8	0·1 0·1 0·1 0·1 0·2	4·3 4·7 5·2 5·4	0·1 0·1 1·0 0·4 0·2	4.5 4.5 7.0 7.3 4.6	0·1 0·2 1·7 0·3 0·4	4.0 4.3 7.0 6.7 5.0	0·1 0·1 1·8 0·2 0·2	4·8 4·6 7·3 6·7 6·0	0·1 0·3 0·8 0·2 0·3	4·4 6·0 7·0 6·3 6·5	1·1 0·2 0·3 0·2 0·7	5.6 5.2 3.9 5.0 3.7	0.7 0.2 0.3 0.4 0.9	5.6 5.4 4.0 5.0 3.5	0.8 0.1 0.5 0.3	5·2 3·7 4·3 4·3	0·4 0·6 0·4 0·3 0·3	4.8 3.5 4.8 3.5 4.4
* 26 27 28 29 30	0.2 0.1 0.2 0.2 0.2	5•6 4•5 5•4 4•8 5•0	0.2 0.1 0.2 0.2 0.1	5·2 4·8 6·0 5·0 4·3	0.2 0.1 0.3 0.4 0.1	5.0 4.8 5.4 4.6 4.3	0·1 0·1 0·2 0·4 0·1	4.8 4.8 5.6 4.8 4.8	0.5 0.3 0.5 0.2 0.2	6.7 5.4 5.0 5.0 5.0	0.5 0.2 0.2 0.2 0.2 0.1	6.5 5.4 4.3 5.2 4.6	0·3 0·2 0·4 0·2 0·1	6.0 5.0 6.7 5.2 4.8	0·3 0·2 0·2 0·2 0·1	5·8 5·0 5·2 5·2 3·6	0·4 0·4 0·9 0·2 0·3	4·3 5·2 6·5 6·3 4·1	0·3 0·2 0·9 0·2 0·1	4.5 4.8 7.0 6.0 4.3	0·3 0·2 0·7 0·2 0·6	4·3 4·7 6·0 6·0 4·8	0.4 0.3 0.3 0.2 0.9	5.0 6.1 6.0 5.0 5.6
31	0.1	4-3	0.1	4-8	0.1	4-8	0.1	5-0	0.1	3.7	0.1	3-9	0.1	3.7	0.3	4.3	0.7		0.6	5-2	0.6	5-1	0.7	5-1
Mean Mean	0.2	5•0	0.5	5-0	0.2	4.9	0.2	5-1	0-2	4.8	0.2	4.8	0.2	4.8	0.2	4.8	0.7	5.3	0.6	L		1		
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7.66 6.67 7.66 6.67 7.66 6.67 7.66 6.68 7.67 7.66 7.67 8.7	A  1-4 1-0 2-8 1-4 0-9 1-8 0-6 2-4 1-4 1-7 1-6 1-8 1-7 1-4 1-0 1-9 2-2 1-1 1-2 0-5 0-9 5-7 2-6 1-2 4-3 7-2	TP 8 7.00 6.05 7.5 6.00 5.00 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 6.05 7.5 7.5 7.5 7.5 7.5 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A  4.4  2.7  2.0  2.3  2.5  1.4  2.4  2.4  2.0  0.7  0.2  0.4  1.2  2.0  1.1  1.0  0.7  0.7  0.9  1.1  1.2  2.2  2.6  2.2  1.8  2.0  3.5	Tρ  s 7-0 7-0 6-3 6-3 6-3 6-3 6-5 7-7 6-3 6-5 5-4 6-5 6-5 6-5 6-5 6-5 7-5 6-5 6-5 7-5 6-5 7-5

## Air Ministry METEOROLOGICAL OFFICE

# OBSERVATORIES' YEAR BOOK 1935

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

### AEROLOGICAL SECTION

Published by the authority of the METEOROLOGICAL COMMITTEE



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HIS MAJESTY'S STATIONERY OFFICE

1937

#### AEROLOGICAL SECTION.

					Height above
Station.		Latitude.		Longitude.	Sea Level.
Kew Observatory		51° 28′ N.		o° 19′ W.	 7 metres.
Sealand	• •	53° 14′ N.	• •	3° o' W.	 5 metres.

#### INTRODUCTION.

## Notes on the tables of Upper Air Temperatures obtained from soundings with registering balloons at Kew Observatory and Sealand, 1935.

The tables in the Aerological Section are presented in the same form as those appearing in the Observatories' Year Book since 1930. As in that volume geopotential is used in place of geometric height for the vertical coordinate. The units employed are:

I Leo (symbol l.).=10⁵ c.g.s. units of geopotential.

I Kiloleo (symbol Kl.).=108 c.g.s. ,, ,, ,, ,, ,, A table shewing the relation between height and geopotential in latitude 52° 20′, the approximate mean latitude of Kew Observatory and Sealand, is given in the Introduction to the Aerological Section of the Observatories' Year Book, 1930. For ordinary purposes it may be taken that if 2·1% be added to the geopotential in kiloleos the corresponding height in kilometres will then be obtained.

The Dines pattern meteorograph was employed solely as before, and the method of operation remained the same as in recent years. A full description will be found in "The Dines Balloon Meteorograph and the method of using it."* In the computation of pressure-geopotentials the graphical method was employed, checked as to its main features by an arithmetical process. The effect of humidity on the density of the air was neglected.

A total of 80 soundings were made during the year, 67 from the Aviation Service Station of the Meteorological Office at Sealand Aerodrome and 13 from Kew Observatory. The choice of station from which a sounding was made was generally determined in view of the probable direction and length of the run of the balloon. In the cases of 64 of these soundings the instrument was found and returned, the rest being lost. When strong westerly winds prevail the policy has been followed of giving the balloon a very large free lift, the percentage of returns has in consequence been very good. In sixteen cases, which are indicated in the remarks, the meteorograph was sent up attached to an apparatus intended to obtain a sample of the atmosphere from the highest point reached; on such occasions the exposure was a little different from that of the normal case. The chief difference lay in the fact that the distance of the instrument below the balloon was only a few metres instead of forty, but the vertical velocity of the balloon was comparatively large and examination of the records does not indicate that the effects of solar radiation on the instrument were greater than usual.

The ventilation of the Dines meteorograph is effected solely by the natural draught produced by its vertical velocity. The vertical velocity of the rising balloon near the start is indicated approximately in Table 548, being based on a formula derived from a limited number of observations. It is probable that even when the balloon is known to have burst, this velocity was not always maintained up to the highest point of the sounding. After the balloon had burst the velocity of fall is much higher, ranging from about 15 metres per second at 20 Kl. down to 5 near the ground. The ventilation on the descent is more adequate than on the ascent, especially in the stratosphere.

As regards temperature, unless the contrary is stated the mean of the records on the ascent and descent in the troposphere was employed in computing the published figures. In general the difference between the two records did not exceed 5°A., with a mean of about half that amount. Whenever direct evidence is available it is almost always found that in the troposphere the descending record is the colder of the two. An analysis of a large number of British soundings has led to the conclusion that as far as the troposphere is concerned this effect is mainly due to a temperature lag of the thermograph member, and that the mean of the two records gives in general a close approximation to the true air temperature.* In the stratosphere the rule has been followed of using the mean for the lower part, but if the two records begin to diverge steadily with increasing height, or if in the upper part they differ consistently by more than 2 or 3°A., then the descent only is employed from thence upwards. Occasionally in exceptional circumstances it is deemed best to vary these rules, in which cases the fact is stated in the remarks.

In the case of high soundings made during the day-time a pronounced rise of temperature is sometimes observed over about a kiloleo at the extreme top. There is good evidence that this is a fictitious effect due to solar radiation and that the ascent is a great deal more affected by it than the descent. The rise of temperature in such cases is therefore usually ignored. All occasions on which such selection has been made are specifically mentioned in the remarks. An account of this phenomenon is to be found in *Memoirs of the Royal Meteorological Society*, Vol. 2, No. 18. by L. H. G. Dines.

In most cases the meteorograph was fitted with a hair hygrograph. Only the record of relative humidity on the ascent in each case has been published, except when specific mention to the contrary is made in the remarks. The record of the descent appears to be the less reliable for two reasons, first that the previous exposure of the hair to extreme cold and dryness makes it more sluggish in response to changes in the relative humidity, second that the higher velocity at which the meteorograph falls increases the lag in its response reckoned in terms of height. The hygrometer readily shows changes in the relative humidity in the lower part of the troposphere, but the absolute value of its readings may be subject to uncertain error, especially at temperatures below freezing point. No difference has been made in this or previous volumes, in the interpretation of the records as between temperatures above and below the freezing point. For purposes of reference it may however be stated that Depegrams supplied to the International Commission for the exploration of the Upper Air were, up to the year 1929, drawn on the assumption that the published figures of relative humidity at temperatures below 273°A. referred to ice; since 1930 it has been presumed that they refer to water in all cases. Below a temperature of 250°A. it seems doubtful if in the ordinary way the record has any meaning, and the figures for the higher parts of the atmosphere have not therefore been published.

In order to ensure as far as possible that the hygrograph works under standard conditions, it is normally exposed to a saturated atmosphere for ten minutes about an hour before the sounding is made.

The method of calibrating the hygrograph has remained the same as in former years. A full account of the process will be found in the Introduction to the Aerological Section of the Year Books for 1934 and preceding years.

In working up the records the hair has been assumed to have a uniform absolute coefficient of thermal expansion of  $34 \times 10^{-6}$  per degree A. Since the frame of the hygrograph is made of nickel silver having a coefficient of  $18 \times 10^{-6}$  the relative expansion of hair to frame is assumed to be  $16 \times 10^{-6}$  per degree A.

^{*}See also: - Memoirs of the Indian Meteorological Department. Vol. XXIV. Part V, by J. H. Field.

No allowance has been made in computing the published figures for the fact that the results of the calibration are not necessarily valid at low temperatures below the freezing point.

It has been noticed on many occasions that on passing through a cloud the hygrograph hairs expand more than they do when immersed in water or in an artificial saturated atmosphere. This phenomenon is not yet fully understood, but it has been proved that it is not due to errors in calibration or setting of the instrument; accordingly in this volume its occurrence is indicated by publishing a value of the relative humidity in excess of 100%. The values are determined by extrapolation of the calibration upwards through 100.

Data of well marked inversions and regions of zero lapse rate in the troposphere are included in the remarks on the soundings. They are set out in a uniform manner on the principle that corresponding values of geopotential, temperature and relative humidity are given for the salient points in each special case, the sequence being always from lesser geopotentials to greater.

The figures given in the table of lapse rates do not in every case agree with the temperatures appearing in the table of temperature-geopotentials. The reason for this is that both were determined independently from the original data, which can sometimes profitably be read to the nearest half degree, but are rounded off to whole degrees for publication.

The lapse rates given between ground level and 0.5 Kl. are determined from the reading in the thermometer screen at the station and that of the meteorograph at 0.5 Kl. A source of error arises here in that the two standards are independent and are not exposed in the same manner. A small difference is capable of making an appreciable error in the lapse rate, and it is possible that lapse rates apparently greater than 10°A. per Kl. in this layer are sometimes due to this cause.

Whenever possible the meteorograph was briefly calibrated again at one temperature after return, before the record plate had been disturbed, in order to discover whether any shift of zero had taken place since the previous calibration. This provides some check on the behaviour of the instrument, but disturbance is almost inevitable considering the rough treatment experienced in the shock of the fall and after.

All new meteorographs, and all old ones used again after repair, were seasoned in a vacuum chamber before use by being subjected to several slow reductions of pressure. This process has been found greatly to reduce the chance of a systematic difference occurring between the results of a fast and slow calibration. More detail is given in the Introduction to the tables for 1923, and within the limits of accuracy at present attainable in the measurement of upper air pressures, the results of the fast reduction of pressure in the calibration test may be taken as applying to the slow reduction in the actual sounding.

The lag, or difference in pressure reading as between a falling and a rising pressure, is of the order 3 or 4 millibars on the average in the middle region of a high sounding, falling off to lesser values on either side. If a correction be applied to the recorded temperature-pressures to allow for this error, it results, for an average sounding in the troposphere, in an increase in the difference between the temperatures recorded at any pressure on the ascent and descent. The effect is to make the recorded temperatures on the descent too high by about half a degree at a level of 6 or 7 kiloleos, with a tendency for the error to fall off above and below. When the mean of the two records is employed the resultant error is halved and becomes negligible.

In Table 548 occur the entries "Type of Tropopause" and " $L_c$ =Geopotential at Tropopause." These are defined as follows:—Type I. The stratosphere commences with an inversion, and  $L_c$  is the geopotential at the first point of zero temperature gradient. Type II. The stratosphere begins with an abrupt transition to a temperature gradient below 2°A. per kiloleo without inversion, and  $L_c$  is the geopotential of the abrupt transition. Type III. There is no abrupt change of temperature gradient, and the base of the stratosphere is taken at the point where the mean fall of temperature for the kiloleo next above is 2°A. or less, provided that it does not exceed 2°A. for any subsequent kiloleo. In the remarks on the soundings the pressure distribution is classified according to the types defined in "Aids to Forecasting."†

Some statistical tables follow. The table of mean temperatures consists of smoothed monthly means, based on soundings of which about 70% were made from Sealand, 20% from Kew and 10% from Benson. They may be taken as referring to the middle of England. The table of mean pressures is computed from that of mean temperatures and 24 hour means of barometric pressure at mean sea level for the middle of England. The table of temperature corrections allows an estimate to be made of the mean temperature at any height in kilometres; it is based on seasonal mean values, the period Dec.-Feb. being called winter and so on. The table of pressure corrections is based on annual means and is applicable to mean values throughout the year. The correlation data are based on 206 soundings, of which about 80% were made from Sealand and 20% from Kew. The table of monthly means of the five correlated elements has been obtained by smoothing the crude monthly means. Correlation coefficients and standard deviations are based both on departures from the crude means of all the data and also on departures from the smoothed monthly means.

SMOOT	HED M	EAN	TEME	PERA'	TURE	S FC				H AT			AMIC	LEV	ELS.	Perio	od 192	1—19	35 inc	lusive.	
Level (Kl.)	Ground	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
January .	77:3	72.5	68.9	63.2	57.0	50.0	42.5	35·o	28.0	21.4	16.3	14.0	14.1	14.3	15.3	14.8	14.9	14.0	13.0	14.4	13.1
February .	78.0	72.5	68.6	62.7	56∙1	49.2	42.1	34.2	27.9	21.6	16.7	14.3	14.3	15.7	16.8	16.2	16·ó	14.8	14.8	15.9	13.8
March .	79.7	73.0	68.0	62.2	56.0	49.1	42.1	35.3	28.6	22.8	18.2	15.6	16.8		18.7	18.4	17.7	17.9	17.5	18.2	15.7
April	81.8	74.5	68.5	63.5	56.7	51.4	44·I	37·0	30.2	24.0	20.1	17.8	19.1		20.8	20.3	20.0	20.6	20.6	20.8	19.4
May	85.0	77:3	71.2	65.9	60.6	54.4		39.8	32.4	26.2	22.2	20.2	20.9		22.6	22.0	22.0	22.6	22.6	23.0	23.2
June	88.8	80.3	1 - 1	69.8	64.0		47.4			1 1			1 -	1 '				1	1		
Jule July	91.0	84.0	74·7 78·8		67.9	57·7 62·0	51.0	43.0	36.2	29.3	24.6	22.9	22.0	•	23.6	23.3	23.3	23.7	23.7	24.8	25.3
<b>.</b> .	1 -		79.0	73.2			55.0	47.7	40.5	33.3	27.0	23.1	22.0		23.1	23.4	23.8	23.7	24.1	25.3	26.3
August . September .	90.7	83·6 80·8		74.7	69.0	63.0	56.2	48.8	41.2	33.3	26.7	21.9	21.0	1 - 2	20.9	21.7	21.6	22.2	23.3	24.2	26.0
	87.9		76.4	71.8	66.5	60.3	52.6	45.8	37.9	30.7	24.6	20·I	19.2		18.4	18.0	18.9	20.1	21.2	21.7	22.9
October .	84.4	77.5	72.9	68.2	62.2	55.7	48.8	41.6	34.0	27.5	22.4	18.7	17.6		16.9	16.0	16.9	18.0	18.8	18.8	18.1
November .	80∙0	74.4	70.0	65.3	58.8	52.1	44.6	38∙0	31.1	25.0	20.0	17.0	15.9	15.8	15.5	14.8	15.0	15.7	16.1	15.3	14.4
December .	77.3	72.9	68.8	63.6	57.3	50∙8	42.9	35.8	28.9	22.3	17.4	15.7	14.9	14.9	15.0	14.4	14.6	14.3	13.9	13.2	13.3
																				ļ	
Year	83.5	76.9	72.1	67.0	61.0	54.6	47.4	40.2	33.I	26.5	21.3	18.4	18⋅1	18.7	19.0	18.6	18.7	19.0	19.1	19.6	19.3
Number of				!					ŀ				1				ŀ	l			1
observations	459	459	459	457	453	452	450	447	444	437	434	413	386	355	324	291	258	204	142	97	63
SMO	OTHED	MEA	N DE	ECCT	IDEC	FOR	EAC	LI MC	NTTLI	AT (	CEOD	SZNI A T	MIC 1	EVE	LS. Po	oriod					
SMO	OTTIED	MEA	114 1 1	11:330	ILES	FOR	EAC	II MIC	Mill	ibars.	GEOD	INA	VIIC I	LEVEI	23. P	61100	1921-	1935 1	ncrusi	ve.	
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Level (Kl.)	0	1	2	3	4	_	6	7	8	9	10	11	12	1 72	,	T =	16	177	18	19	20
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January .	1014	893	785		603	525	456	394	339	290	248	211	179	152	129	110	93.6	79.5	67.6	57.4	48.8
February .	1014	893	785	689	602	525	455	393	338	290	247	210	179	152	129	110	93.8	79.7	67.8	57.7	49.1
March .	1013	894	786	689	602	525	455	393	339	290	248	211	180	153	130	III	94.8	80.8	68.8	58.7	50.0
April	1014	895	787	690	604	526	457	396	341	292	250	213	182	155	132	113	96.5	82.4	70.4	60.1	21.3
May	1015	897	790	694	608	531	462	401	345	297	254	217	185	158	135	116	98.9	84.6	72.3	61.8	52.9
June	1015	898	792	697	612	535	467	405	351	302	259	222	189	162	139	119	101	86.8	74.3	63.6	54.5
July	1015	899	794	700	616	540	472	411	356	307	264	226	193	165	142	121	104	88.7	75.9	65.0	55.7
August .	1015	899	794	700	616	541	473	412	357	308	265	227	194	166	142	121	103	88.3	75.5	64.7	55.4
September.	1014	897	792	697	613	537	469	407	353	304	261	223	190	162	139	118	101	85.9	73.3	62.7	53.6
October .	1014	896	789	694	608	532	463	402	347	298	256	218	186	158	135	115	97.8	83.3	71.1	60.6	51.7
November .	1013	893	786	690	604	527	458	397	347	293	251	214	182	155	132	112	95.4	81.1	69.0	58.7	50.0
December .	1013	893	785	689	603	525	456	397	339	291	248	211	180	153	130	III	94.0	79.9	67.9	57.7	49.0
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Year	1014	895	789	693	607	531	462	400	346	297	254	217	185	158	135	115	97.8	83.4	71.2	60.7	51.8
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Level (Kl.)	Ground	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Winter .		0.1	0.2	0.3	0.5	0.7	0.0	1.0	I · I	1.2	1.0	0.5	0.1	-0.2	-0.2	0.2	0.0	0.3	0.2	-0.3	0.5
Spring .		0.1	0.2	0.3	0.5	0.6	0.8	1.0	I.I	1.1	0.8		-0.2	1	-0.2	0.2	0.1	-0.2	0.1	-0.2	0.6
Summer .		0.1	0.2	0.3	0.4	0.6	0.8	1.1	I · 2			0·5 0·8	1	-0.3		-0· <b>I</b>	0.0	-0·1		1	1
Autumn .			1			0.6	0.0	1.0		1.3	1.2	0.8	0.2	-0.3	0.1			1	-0.2	-0.5	-0.5
		o.i	0.2	0.3	0.5				I ·2	I ·2	I.I		0.2	0.1	0.1	0.3	-0.2	-0.4	-o·3	0.0	0.0
MEAN A															E LEV				LOLE	OS TO	)
		1	1 1				1	-					1	1				1	1		<u> </u>
Level (Kl.)	0	I	2	3	4	5	6	7	8	9	10	II	12	13	14	15	16	17	18	19	20
Correction mb.		1.8			6.3		7.6	8·o	8.2	8.4	· -			6.0	6.						2.5
correction ind.		1.0	3.7	5.0		7.2					8∙1	7.9	7.4	6.9	6.4	5.9	5.4	5.0	4.2	4.1	3.7
				COR	REL	ATIO	V DAI	CA FO	OR TI	IE PE	ERIOI	) 1930	-1935	5 inclu	sive.						
						Sy	mbol.		tifying ffix.	Sta	ndard cru	devia de me			Standa smooth						
													,	-					_		
	Pressure				•	•	$\mathbf{P}_{0}$		I			1.00 m					4 mb.				
	Mean te			–9 KI.		•	$T_m$		2	1		5∙99°A		1			2°A.				
	Pressure			•	•		P ₉		3	1		0·20 m		1			6 mb.				
	Level of				•	•	$\mathbf{L}_{c}$		4			1.45 K					9 Kl.				
	Temper	ature :	at trop	opaus	е	.	$T_c$		5			5·65°A	۱.	1		5.8	ı°A.				
		S	MOOT	HED	MEA	N MC	NTH	LYV	ALUF	S OF	THE	CORT	RELA	TED	ELEM	ENTS	S				_
			T	<u> </u>	1	<u> </u>	1		1	T-	<del></del>	1	1		1	1	<u> </u>				
	_			Jai	n. F	eb.	Mar.	Apr.	May	. Jun	e. Ju	ıly. A	Aug.	Sept.	Oct.	Nov	v. D	ec.			
		P ₀	mb	70-		014	1012	TOT	1015	101		15 1	1015	1014	107	101	, ,	13*			
		±°	°A.	1			1013	1014							1014						
		$T_m$		1 '		249	249	251	254			59	260	258	255	25		50			
		$\mathbf{P}_{9}^{m}$	mb	1 -		290	291	295	298			04	306	305	300	29		91			
		$\mathbf{L}_{c}$	Kl.			0.4	10.3	10.3	10.3				11.2	11.1	10.8	10.		0.5			
		$T_c$	°A.	21	11   2	112	213	216	218	3 22		20	218	217	216	21	5   2	13			
					TOT	AL C	ORRE	LATI	ON T	ABLE	C. VA	LUE	S OF	r _{xy.}							
			YV			12	т э	1.		T =					1		25	45			
			ху		_	14	13	1	4	15	23	_	24	25	34		35	45			
	Based	on cru	de me	ans	.	.384	.627	.	70 -	- • 484	.94	5 .	715	<b>-</b> ⋅156	.77	o  _	· <b>2</b> 86	706	<b>.</b>		
	Based	on mo	nthly	means		·472	·718	. 5	58  -	- · 529	91	2   .	826	<b></b> ∙630	1 .83	6 –	·697	85c			
		PAI	RTIAL	COL	RREL	ATIO	N TA	BLE.	VAL	UES	OF r,	(y·z	Base	d on 1	Monthly	y mea	ins.	1			
	z		хy	7		12	13	1	4	15	23		24	25	34		35	45			
	· · ·				_						-00	, .	760	0		,	.525	-·788			
	I	1						.	128		•93	ο   ·	769	• 508	175	2	.537				
	2	1			- 1	.6	.795			339		ı	أيور		.35	ץ  ־	.387	-·753			
	3	1			-	·642		1		058		-	284	.017			.0	<b></b> ∙678	,		
	4	1				.023	•551			- • 126	.71		700	.242			·045				
	5	1				·2II	.574	.   •2	42		1.85	<u>,                                    </u>	709		1 .64	7		l .			
					<u></u>																
*This	line take	n fron	n press	sure ta	ble at	ove.														,	

T.=Temperature in degrees absolute.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

P.=Pressure in millibars. RH.=Relative Humidity as percentage.

1935.

2.—Geopotentiar Lev			101003 (111.		.m.=neiai	TVC IIuiiii	nty as per	cciitage.		1935.
No. of Sounding.	1006.	1007.	1008.	1009.	1011.	1013.	1014.	1015.	1017.	1018.
Date.	Jan. 25.	Jan. 28.	Feb. 11.	Feb. 12.	Feb. 14.	Feb. 15.	Feb. 15.	Feb. 15.	Feb. 16.	Feb. 16.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T	17h. 30m.	10h. 40m.	17h. 20m.	17h. 25m.	17h. 20m.	12h. 50m.	16h. 20m.	18h. om.	ıh. om.	4h. 30m.
$L_t = \text{Geopotential at Greatest Height}$ (Kl.)	8.66	16.20	15.86	14.67	14.66	8.11	15.40	13.00	12.97	15.21
$T_t$ =Corresponding Temperature (°A)	231	. 221	213	215	217	232	213	205	205	211
$P_t$ =Corresponding Pressure (mb.)	286	94 Gilwern	96 Canton	115 Man-	114 Fen-	337	105 Hoton,	153	154 Little	101
Place of Fall	Brocton, Staffs.	Hills, Llandrin- dod Wells,	Esch, Luxem- bourg.	thorpe, Grantham, Lincs.	stanton, St. Ives, Cambs.	Thurlow Park, Suffolk.	Nr. Lough- borough, Leicester.	Haddon, Stilton, Northants.	Bytham, Grantham, Lincs.	Barkston, Grantham, Lincs.
Distance (Km.)	80	Radnor.	651	160	222	265	132	195	176	
Bearing. Degrees from N	130	191	122	100	117	117	111	113	ro	
Type of Balloon	Veedip.	Pirelli.	Veedip.	Veedip.	Veedip.	Veedip.	Stirling.	Saul.	Veedip.	Stirling.
Weight of Balloon $\dots$ $(Kg.)$	0.28	0.79	0.29	0.28	0.32	0.31	o·58	0.49	0.28	o∙61
Weight of Instrument (Kg.)	0.12	o·65	o·15	0.15	0.15	0.15	0.15	0.12	0.15	0.15
Net Free Lift (Kg.)	1.25	1.00	0.70	0.70	1.05	1.00	1.50	1.20	1.05	1.35
Estimated vertical velocity at start (m/s.)	8∙o	6∙o	6∙1	6.1	7.6	7.5	8∙o	7.5	7:5	7.7
Geostrophic Wind— Speed (m/s.)	22	o	14	11	16	18	28	21	27	31
Degrees from N Wind (Anemograph)—	280	*****	240	265	300	270	270	275	280	280
Speed (m/s.)	9	I	6	2	6	6	9	9	9	13
Degrees from N	250	225	200	210	250	210	210	225	225	225
Humidity at surface (%)	8r	90	69	66	70	85	79	79	80	75
Type of Tropopause	I.	I.	I.	II.	I.		I.	I.	I.	I.
$L_e$ =Geopotential at the tropopause (Kl.)	6.02	10.15	11.91	9∙81	9.79	_	11.47	11.57	11.38	11.93
$T_c$ =Temp. at (°A)	228	216	202	214	211		206	204	205	204
$P_c$ =Pressure at (mb.)	427	244	185	252	250	-	200	195 approx.	202	184
Mean Temp. $ (L_c+2) \text{ to } (L_c+5) \text{ (°A.)} $		221	_	216	217				-	-
in $\{(L_c+5) \text{ to } (L_c+8) \text{ (°A.)} \}$		-	_			_				- 1
$(L_c+8) \text{ to } (L_c+11) \text{ (°A.)}$	-			_		_				-
$T_m$ (Mean Temp. 1 to 9 Kl.) (°A.)	_	248	_	248	245			256	256	256
$P_o$ (Pressure at M.S.L.) (mb.)	984	1029	1019	1010	1012	1003	1001	1001	1002	1000

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No. of REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

Sounding cpsh. Clouds Cunb. 8/10 from W'N. at about 0.4 Kl. A deep depression centred over the Baltic is filling up, while an anticyclone is situated west of Ireland. Type I.

- Clouds Stcu. 1/10 from N at about 0.6 Kl. Ci.1/10. Isothermal (2·13-2·95 Kl., 780-700 mb., 262°A., 49-59%). A ridge of high pressure extends over England and Scandinavia, while pressure is low over Greenland and to the west of Norway. Type Ia or IXb.
- . Clouds Frst. 7/10 from WSW at about 0.7 Kl., Ast. 3/10. Owing to non insertion of wedge the record failed below 11½ Kl. The temperatures in the troposphere were estimated from a sounding at Duxford at 13h. G.M.T. The balloon did_not burst and floated for many hours. A depression is centred north-1008. A depression is centred northvest of Scotland, and a ridge of high pressure extends from west of Spain across France and Central Europe. Type II or V.
- Clouds Stcu. 7/10 from W. at about 0.7 Kl., Cicu. and Cist. from NW. moving at 11 rph. Inversion on descent (1.66-1.73 Kl., 817-810 mb., 265.6-270.0°A.). Change of lapse rate at (9.09 Kl., 283 mb., 217°A.). Small depressions lie between the region south of Greenland and Norway, whilst pressure is high west of Spain. Type IV. 1009.
- Clouds Stcu. 3/10 from W'N. at about 0.7 Kl. Small inversion at (5.23 Kl., 503 mb., 243°A., 66%). Change of lapse rate at (9.09-9.32 Kl., 280-270 mb., 214.7-214.3°A.). A complex area of low pressure extends from Greenland to Scandinavia, while an anticyclone is centred west of Spain. Type IV.
- or r. Clouds Frnb. 5/10 and Nbst. 5/10 from W'N. at about 0.25 Kl. Record failed above 8 Kl., probably due to ice on the plate. Pressure distribution:—similar to No. 1011. Type II or Va. 1013.
- or. Clouds Frnb. 5/10 and Nbst. from W. at about 0.4 Ml. Owing to improper insertion of wedge the record and the anticyclone further east. Type II or Va.

  3 Kl. can be estimated from sounding No. 1015. Pressure distribution:—similar to No. 1011, but with the anticyclone further east. Type II or Va. Clouds Frnb. 5/10 and Nbst. from W. at about 0.4 Kl. Owing to improper insertion of wedge the record failed below 3 Kl. The temperatures below
- r. Clouds Frnb. 6/10 and Nbst. 4/10 from SW'W. at about 0.4 Kl. Owing to ice on the plate the upper part of the temperature record is very fragmentary and failed entirely below the top. The temperatures have in some cases been interpolated. Isothermal (1.71-2.00 Kl., 809-780 mb., 276°A., 106-91%). Pressure distribution:—Similar to No. 1014. Type II or Va. 1015. or r.
- 1017. cd r. Clouds Frnb. 5/10 and Nbst. 4/10 from W'S. at about 0.6 Kl. Pressure distribution:—Similar to No. 1015, but the anticyclone is over Spain. Type II.
- Clouds Frnb. 4/10 from W'S. at about 0.6 Kl., Ast. 5/10 from W'S. Mean of both records used for temperature except for the lowest Kl. where the ascent 1018. с. only was employed. Inversion on descent (0.73 - 1.07 Kl., 915 - 875 mb., 278.5 - 280.0°A.). Pressure distribution:—Similar to No. 1017. Type II.

^{*} Meteorograph attached to air sampling apparatus, see introduction.

T.=Temperature in degrees absolute.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

P.=Pressure in millibars.

RH.=Relative Humidity as percentage.

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No. of Sour	nding.				1019.	1022.	1023.	1024.	1025.	1026.	1028.	1030.
Date.					Feb. 16.	Feb. 16.	Feb. 16.	Feb. 17.	Feb. 22.	Mar. 4.	Mar. 15.	Mar. 26.
Station	ι.				Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.
Start G.M.T	•••		•••	•••	7h. om.	16h. 5m.	18h. om.	7h. om.	12h. 15m.	10h. 20m.	12h. 33m.	17h. 20m
$L_t$ =Geopotential at Greatest Height	•••		•••	(Kl.)	15.94	8-41	16.41	14.61	10.69	10.54	10.00	16.32
$T_t$ =Corresponding Temperature				(°A)	208	238	214	218	234	220	216	214
$P_t$ =Corresponding Pressure			•••	(mb.)	93 Carlton-le- Moorland,	320 Bonwick, near	86 Harpswell, Lincoln.	117 Long What- ton, near	213 Biggin, Buxton,	226 Stone, Staffs,	250 Tilbury, Essex.	90 Balderton Newark,
Place of Fall		•••	•••	{	Lincs.	Driffield, Yorks.		Lough- borough, Leicester.	Derby.		* * *	Notts.
Distance	•••	•••	•••	(Km.)	157	199	160	124	83	66	47	149
Bearing. Degrees from N	•••	•••	•••		94	66	82	110	97	122	90	97
Type of Balloon		•••	•••		Stirling.	Pirelli.	Stirling.	Pirelli.	Poppe.	Pirelli.	Poppe.	Pirelli.
Weight of Balloon	•••	•••	•••	(Kg.)	0.65	0.34	0.63	0.77	1.55	0.78	1.56	0.76
Weight of Instrument		•••	•••	(Kg.)	0.15	0.12	0.12	0.19	0.63	0.65	0.65	0.15
Net Free Lift	•••	•••	•••	(Kg.)	1.35	1.05	1.35	1.61	0.82	1.20	1.00	1.10
Estimated vertical velocity at start		•••	•••	(m/s.)	7.6	7:5	7.7	7:9	5.2	6.3	5⋅8	7.2
Geostrophic Wind— Speed		•••		(m/s.)	35	31	27	. 18	13	9	7	9
Degrees from N	•••	•••			270	280	280	290	315	300	160	300
Wind (Anemograph)— Speed	•••	•••	•••	(m/s.)	13	9	8	7	9	5	I	3
Degrees from N	•••	•••	•••		225	225	225	250	280	290	180	335
Humidity at surface	•••	•••	•••	(%)	76	85	73	75	70	71	62	84
Type of Tropopause	•••	•••	•••		I.		I.	I.	I.	III.		II.
$L_c$ =Geopotential at the tropopause	•••	•••	•••	(Kl.)	11.97		9.91	10.41	8.00	8.54	_	11.66
$T_c$ =Temp. at	•••	•••	•••	(°A)	201	_	221	208	223	222		207
$P_c$ = Pressure at	•••	•••	•••	(mb.)	182		245	231	321	310	_	195
$(L_c+2) \text{ to } (L_c$	+5)	•••		(°A.)			215	_				212
Mean Temp. in Stratosphere $(L_c+5) \text{ to } (L_c$			•••	(°A.)	_	_	_				<u> </u>	_
$(L_c+8)$ to $(L_c-8)$	•	•••	•••	(°A.)	_		_	_				
$T_m$ (Mean Temp. 1 to 9 Kl.)	•••	•••	•••	(°A.)	256		247	249	245	245	251	254
$P_o$ (Pressure at M.S.L.)	•••	•••		(mb.)	999	992	993	1017	979	1027	1013	1025

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No. of

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

Sounding. Clouds Stcu. 5/10 from W'S. at about 0.7 Kl., Ast. 3/10 from W'S. Inversion (0.73-1.12 Kl., 914-870 mb., 279.5-280.5°A., 90-83%). Pressure distribution:—Similar to No. 1017. Type II. 1019.

- Clouds Frnb. and Nbst. 10/10 from WSW. at about 0.25 Kl. Owing to ice on the plate the record failed above 8½ Kl. The record of relative humidity was taken from the descent only. A depression centred west of Norway is deepening and moving SE., while the anticyclone has receded slightly. Type II or I. TO22. OF.
- bc/r_o. Clouds Stcu. and Frcu. 3/10 from W'S. at about 0.6 Kl., Acu. 1/10 from W'S., moving at 24 r.p.h. The stratosphere commences with a small inversion, but the positive lapse rate starts again above it and continues up to 15.5 Kl. Change of lapse rate at (10.34 Kl., 229 mb., 222°A.). Pressure distribution:— I023. Similar to No. 1022. Type I.
- Clouds St. 3/10 from W'N. at about 0.9 Kl., Acu. and Ast. 4/10 from NW'W. moving at 24 r.p.h., Ci, trace. Isothermal (2.17-2.62 Kl., 771-727 mb., 1024. 266°A., 98-57%). The depression referred to in No. 1022 is now centred over the Baltic while a depression over Iceland is deepening. Type IV.
- Clouds Cunb. and Stcu. 5/10 from W'N. at about 0.6 Kl. Ast. 1/10. The balloon did not burst and floated at the top and a rise of temperature of 19°A. at the top was ignored. Change of lapse rate at (2.08-2.91 Kl., 748-670 mb., 262.7-261.5°A., 104-52%). A depression is centred west of Norway and secondaries are centred south of Ireland and east of Denmark. Type XII. 1025. *bc.
- Clouds Cu. and Cunb. 4/10 from W. at about 0.9 Kl. Isothermal (4.01-4.20 Kl., 606-590 mb., 252°A., 58-56%). Pressure is high over the Bay of Biscay, while shallow depressions are centred over Iceland and east of Greenland. Type Va or XII. 1026. *bc.
- Clouds Frcu. 5/10 from S. Balloon leaked, top of record not used. Inversion (1·21-1·66 Kl., 870-821 mb., 272-274°A., 84-48%). A depression is centred west of Ireland and extends over the British Isles, while pressure is high over Russia. Type VIIb. 1028. *bc.
- Clouds Stcu. 5/10 from W'N. at about 0.7 Kl., Ast and Acu. 1/10 from W. moving at 21 r.p.h. Inversion (1.32-1.61 Kl., 870-838 mb., 273.4-274°A., 93-55%). An anticyclone is centred south of Ireland, while a depression is centred over Finland. Type I. 1030. bc.
  - * Meteorograph attached to air sampling apparatus, see introduction.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

P.=Pressure in millibars.
RH.=Relative Humidity as percentage.

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No. of Sounding.	1031.	1032.	1033.	1034.	1035.	1036.	1037.	1038.	1039.
Date.	Mar. 28.	Apr. 17.	Apr. 29.	May 10.	May 27.	June 3.	June 5.	June 7.	June 10.
Station.	Sealand.	Sealand.	Sealand.	Kew.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T	10h. om.	9h. 45m.	11h. 50m.	15h. 38m.	13h. 1m.	18h. 10m.	18h. om.	18h. 2m.	18h. 4m.
$L_i$ =Geopotential at Greatest Height (Kl.)	12.96	19.16	19.06	18.08	17.11	12.06	22.30	17.97	17.03
$T_t$ =Corresponding Temperature (°A)	216	222	224	216	225	225	228	226	221
$P_t$ =Corresponding Pressure (mb.)	159 Kimbolton, Leominster,	57 Mow Cop, near	61 Shrawley, Worcester.	70 Whit- church,	86 Bisham Abbey	180 Denton, Manchester.	37 Mellor, Stockport,	73 Leeds, Yorks.	85 Old Hulton,
Place of Fall	Hereford.	Congleton, Cheshire.	Wordestor.	Reading, Oxford.	Marlow, Bucks.	inalicinester.	Derby.	TOTAS.	Westmore- land.
Distance (Km.)	110	52	115	54	34	62	67	115	120
Bearing. Degrees from N	170	102	155	270	286	66	74	56	10
Type of Balloon	Pirelli.	Pirelli.	Saul.	Saul.	Saul.	Pirelli.	Saul.	Saul.	Veedip.
Weight of Balloon (Kg.)	o·80	0.78	o·50	o·53	0.21	0.77	0.50	0.49	0∙38
Weight of Instrument (Kg.)	0.21	o·63	0∙84	0-72	0.73	0.15	0.12	0.12	0.15
Net Free Lift (Kg.)	o·69	0.72	0∙66	o·78	0.75	1.20	0.40	1.20	0.53
Estimated vertical velocity at start (m/s)	4.7	4.9	4.4	5⋅2	5.0	7:3	3.7	7∙6	4.9
Geostrophic Wind— Speed (m/s.)	o	21	5	15	8	8	o	24	11
Degrees from N Wind (Anemograph)—	_	275	310	75	110	210	_	245	195
Speed (m/s)	3	6	4	6	1	1	ı	10	4
Degrees from N	315	250	315	80	90	100	135	235	160
Humidity at surface (%)	70	66	70	38	74	90	67	63	72
Type of Tropopause	I.	I.	I.	I.	I.	I.	I.	I.	IV.
$L_c$ =Geopotential at the tropopause (Kl.)	11.11	8.32	11.13	11.47	10.62	9.09	8.92	7.88	10.52
$T_c$ =Temp. at (°A.)	210	220	216	210	219	220	219	228	221
$P_c$ =Pressure at (mb.)	215	309	214	205	237	286	292	340	234
Mean Temp. $ \left\{ \begin{array}{c} (L_c+2) \text{ to } (L_c+5) \dots \\ \end{array} \right. \dots \left. \begin{array}{c} (^{\circ}A.) \end{array} \right  $	_	225	220	214	223	_	226	230	225
in $\{(L_c+5) \text{ to } (L_c+8) \dots (^{\circ}A.) \mid$		222	221				225	227	-
Stratosphere $(L_c+8)$ to $(L_c+11)$ $(^{\circ}A.)$		_			-		226	_	
$T_m$ (Mean Temp. 1 to 9 Kl.) (°A.)	253	245		258	258	250	250	250	255
$P_o$ (Pressure at M.S.L.) (mb.)	1031	9 <b>8</b> 9	1028	1020	1015	1004	1000	995	1002

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REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

No. of Sounding.

- 1031. *bcz_o. Clouds Frcu. 2/10 from NW'N. at about 0·7 Kl., Acu. 1/10 from NW'W. moving at 10 r.p.h. Inversion (0·83-1·16 Kl., 930-892 mb., 275·6-279·5°A., 84-43%). A large anticyclone extends from west of Ireland to Central Europe, while a depression is centred over Northern Russia. Type VIIIb.
- 1032. *c/pr_o. Clouds Stcu. 6/10 from W'S., Acu. and Ast. 3/10 from W'N. moving at 18 r.p.h. Ci. trace from NW. moving at 11 r.p.h. A rise of temperature of about 18°A. at the extreme top was ignored. A deep depression is centred over Eastern Scotland and filling up. Type XV.
- ro33. *bc. Clouds Stcu. and Cu. 5/10 from W'N. at about 0.6 Kl. Owing to non insertion of wedge the record was missing below 8 Kl. The temperatures below 8 Kl. were determined from a Duxford flight for the calculation of pressure heights. A rise of temperature at the extreme top was ignored. An anticyclone covers the British Isles, while pressure is low over Russia and south of Greenland. Type I.
- 1034. *b. Clouds Ci. 2/10 from SE. moving at 3 r.p.h. Rise of temperature at the extreme top of about 9°A. which was ignored. Inversion (1·10-1·37 Kl., 892-862 mb., 279·7-281·3°A.). An anticyclone lies between Scotland and Iceland, while a depression west of Spain is filling up. Type VIIIa.
- 1035. *oz. Clouds Frst. 7/10 and Stcu. 3/10 from E. A rise of temperature at the extreme top was ignored. An anticyclone is situated to the north of Scotland while a shallow depression covers France and Spain. Type VIII.
- 1036. c/pr_o. Clouds Cu. and Cunb. 9/10 from SW'W. at about 1.35 Kl. A depression centred off South West Ireland extends over the British Isles. Type IVa.
- 1037. c. Clouds Stcu. 4/10 at about 0.9 Kl. Acu. and high Stcu. 4/10. A rise of temperature at the extreme top was ignored. A depression is situated west of Ireland, while smaller ones are centred over England and Denmark. Type XIII or XIV.
- 1038. bc. Clouds Stcu. 4/10 from SW'W. at about 1.2 Kl., Acu. 2/10 from SW'W. moving at 13 r.p.h. Mean employed for temperature except at 0.5 Kl. where the ascent only was used; a sudden rise of 2°A. at the extreme top was ignored. A depression centred over the Hebrides extends over the British Isles, while pressure is high over the Mediterranean. Type III or XV.
- 1039. c. Clouds Cu., Stcu. and Frst. 9/10 from SSE. at about 0.6 Kl., Acu. trace from S'W. moving at 11 r.p.h. Small inversion at (9.67 Kl., 267 mb., 223°A).

  A depression centred over the south-west of Ireland has secondaries over Northern Spain and Holland. Type VII.
  - * Meteorograph attached to air sampling apparatus, see introduction.

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Po (Pressure at M.S.L.)

T.=Temperature in degrees absolute.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

P.=Pressure in millibars.RH.=Relative Humidity as percentage.

1935.

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No. of Sounding. 1041. 1042. 1044. 1045. 1046. 1047. 1048. 1049. 1050. Date. June 13. Tune 11. Tune 12. Tune 14. June 15. Tune 13. Tune 17. Tune 10. June 21. Station. Kew Sealand. Sealand Sealand. Sealand Sealand Sealand Sealand. Sealand. Start G.M.T. 18h. om. 18h. 2m. ... 7h. 40m. 7h. 40m. 18h. 5m. 7h. 30m. 7h. 40m. 18h. 3m. 18h. 3m. (K1.) 18.43 L=Geopotential at Greatest Height 18.71 16.43 16.42 ... 19.93 21.92 20.72 15.91 22.55 ...  $T_t$ =Corresponding Temperature (°A.) 228 227 227 225 229 225 218 ... 219  $P_i$ =Corresponding Pressure (mb.) TOT 68 66 54 Eccles 95 Hulland. 37 Moss Side. Eastby West Wincle. Well, Burnley, Bolton by Heath, Crag. Maxton, Bowland, Leyland, Maccles-Derby. Bedale, Lancs. Lancs. Place of Fall Kenning-Skipton, Skipton, Lancs. field. Yorks. ... ... ... Staffs. hall. Yorks. Yorks. Norfolk ... (Km.) Distance 78 109 98 91 62 146 141 55 94 Bearing. Degrees from N. 38 40 20 ... ... ... ... 40 35 20 02 103 40 ... Stirling. Type of Balloon Saul. Saul. Saul. Veedip. Stirling Stirling. Stirling. Stirling. • • • Weight of Balloon (Kg.) 0.51 0.52 0.58 0.49 0.37 0.57 0.55 0.57 0.57 Weight of Instrument (Kg.) 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Net Free Lift ... (Kg.) 0.45 I.00 0.60 I .05 0.90 0.67 1.37 1.17 I .35 4.0 7.2 5.2 Estimated vertical velocity at start ... ... (m/s.) 6.7 7.8 7.4 5.7 7.4 7.7 Geostrophic Wind-Speed ... 6 8 ... (m/s.) II 17 15 IO 13 5 ΙI Degrees from N. 200 240 230 240 210 235 190 205 215 Wind (Anemograph) Speed ... (m/s.)2 5 I 2 6 5 5 5 Degrees from N. 200 180 160 225 225 170 170 190 ... ... ... ... ... 335 Humidity at surface (%)98 69 69 78 92 73 49 72 94 I. II. I. Ι. Ι. I. I. I. I. Type of Tropopause ... 8.59  $L_c$ =Geopotential at the tropopause ... (Kl.) 8.29 8.52 9.29 10.76 11.85 9.93 9.05 13.03 ... 226 218  $T_c$ =Temp. at ... (°A.) 227 225 225 220 223 214 210  $P_c$ =Pressure at ... (mb.) 326 310 310 254 278 290 229 197 144 ...  $(L_c+2)$  to  $(L_c+5)$  ... (°A.) 226 229 229 227 227 230 223 Mean Temp.  $(L_c+5)$  to  $(L_c+8)$  ... (°A.) 224 227 224 226 228 224 Stratosphere  $(L_c+8)$  to  $(L_c+11)$  ... (°A.) 228 22 T 226 223  $T_m$  (Mean Temp. 1 to 9 Kl.) ... (°A.) 248 261 265 252 252 252 251 250 257

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1007

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IOII

1005

No. of REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935. Sounding.

1007

... (mb.)

1041. or. Clouds Nb. 10/10 from SW. The mean of both records was employed for the relative humidity. A rise of 4°A. at the extreme top was ignored. A depression is centred between Scotland and Iceland with other low centres over Southern Scandinavia and Eastern Europe. Type III.

- 1042. crr. Clouds Frnb. 5/10 from SSW. at about 0.5 Kl., Ast. 5/10. Owing to ice on the plate the record was interrupted in many places, in consequence the descent was mainly employed for the temperature data. Pressure distribution:—Similar to No. 1041. Type III.
- bc/pr. Clouds Cu. and Stcu. 6/10 from SW. Acu. and Ast. 1/10 from SSW., moving at 18 r.p.h., Ci. trace from SSW. moving at 13 r.p.h. A rise of about 5°A at the extreme top was ignored. A region of low pressure lies to the north west of Scotland with an anticyclone over Europe. Type V.
- bcy. Clouds Cu. and Stcu. 3/10 from S'W. at about 0.7 Kl. Acu. 4/10, Ci. trace from SW. moving at 18 r.p.h. The apparently excessive læpse rate near the ground is partly due to the temperature at 0.5 Kl. being derived from the mean of both records which differed by 3°A. Change of lapse rate at (2.35 Kl., 750 mb., 268°A., 76%). Pressure distribution:—Similar to No. 1044. Type V.
- 1046. bc. Clouds Cu. and Stcu. 1/10 from S'W. at about 0.9 Kl. Acu. 1/10, Ci. trace from SW. moving at 12 r.p.h. Temperature at 0.5 Kl. taken from ascent only; a rise of 6°A. at the extreme top was ignored. Inversion on ascent (1.29-1.36 Kl., 857-849 mb., 275-276.3°A., 77-64%). A depression is centred west of Ireland with a second centre over Norway. Type IVa or VII.
- 1047. bc. Clouds Cu. and Stcu. 3/10 from WSW. at about 0.7 Kl. Ci. trace from SSW. moving at 7 r.p.h. A rise of 15°A. at the extreme top was ignored. Pressure distribution:—Similar to No. 1046; the depression is slowly filling up. Type III or XV.
- 1048. c. Clouds Stcu. and Frst. 6/10 from SSW. at about 0.8 Kl., Ast. 3/10, Ci. trace from W'S. moving at 15 r.p.h. Inversion (2.76-3.03 Kl., 715-690 mb., 268.2-269°A., 99-60%). A depression lies out in the Atlantic and another off the coast of Norway. Type VII.
- 1049. crrm. Clouds Frnb. 4/10 from S. at about 0.2 Kl., Ast. 6/10. A depression centred west of Ireland is moving eastwards, while a shallow depression is centred over the Baltic. Type IVa.
- 1050. c. Clouds Cu. and Stcu. 7/10 from S'W. at about 112 Kl., Acu 1/10 from SW. moving at 23 r.p.h. Inversion (1.95-2.11 Kl., 803-787 mb., 281-283°A., 100-53%). Change of lapse rate at (12.45 Kl., 184 mb., 212°A). An anticyclone extends over Northern Europe and Southern Scandinavia, while a depression is centred west of Ireland. Type VI.

P.=Pressure in millibars.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

*RH*.=Relative Humidity as percentage.

1935.

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No. of Sounding.	1051.	1054.	1055.	1056.	1057.	1058.	1059.	1060.	1061.	1062.	1065.
Date.	June 24.	June 27.	June 28.	June 29.	July 2.	July 16.	July 17.	July 19.	Aug. 9.	Aug. 17.	Oct. 4.
Station.	Kew.	Kew.	Sealand.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.
Start G.M.T	18h. 22m.	16h. 28m.	18h. om.	11h. 16m.	10h. 35m.	15h. 15m.	18h. om.	18h. om.	18h. 3m.	16h. 25m.	17h. 30m.
$L_t$ =Geopotential at Greatest Height (Kl.)	16.38	11.00	27.00	20.73	19.09	21.28	16.21	24.20	17.85	8.43	11.27
$T_i$ =Corresponding Temperature (°A)	220	222	235	220	223	227	223	230	222	239	220
$P_t$ =Corresponding Pressure (mb.)	97 Maiden- head,	231 Finkle Street,	19 Armshead Werring-	50 Standon Ware,	64 Eccleshill, near	45 South- well,	99 Teversal, Mans-	29 West Ardsley,	77 Stowe-by- Chartley,	337 Catford, London,	196 Ffynnon- groew,
Place of Fall	Bucks.	Worling- worth, Suffolk.	ton, Staffs.	Herts.	Darwen, Lancs.	Notts.	field, Notts.	Wake- field, Yorks.	near Stafford.	S.E.	Flint.
Distance (Km.)	28	140	65	51	64	137	115	109	78	19	23
Bearing. Degrees from N	280	48	110	<b>2</b> 6	33	97	94	58	120	99	300
Type of Balloon	Saul.	Pilot.	Stirling.	Saul.	Saul.	Saul.	Veedip.	Stirling.	Stirling.	Veedip.	Veedip.
Weight of Balloon (Kg.)	0.21	o·o8	0.59	o·53	0.50	0.50	0.37	0.55	0.59	0.43	0.41
Weight of Instrument (Kg.)	0.72	o.18	0.12	0.73	0.72	0.28	0.12	0.15	0.15	o.18	0.15
Net Free Lift (Kg.)	0.73	0.30	0.67	0.55	0∙78	0.87	0.70	0.67	1.35	0.67	0.35
Estimated vertical velocity at start (m/s)	5.1	3.6	5.5	4.0	5.5	6.5	6· <b>1</b>	5.4	7.7	5*7	3.5
Geostrophic Wind— Speed (m/s.)	8	12	5	6	5	10	13	20	7	o	5
Degrees from N Wind (Anemograph)—	65	260	240	180	290	280	310	220	320		90
Speed (m/s.)	5	5	4	1	3	1	3	4	4	0	4
Degrees from N	65	200	215	160	260	270	270	170	315	_	290
Humidity at surface (%)	52	68	52	53	72	65	66	85	63	51	96
Type of Tropopause	II.	_	I.	I.	I.	III.	I.	I.	II.		I.
$L_c =$ Geopotential at the tropopause (Kl.)	12.05	<del></del>	11.99	12.48	9.98	11.18	10.00	10.10	11.07		8.59
$T_c$ =Temp. at (°A)	219		214	214	224	224	224	222	220	_	215
$P_c$ =Pressure at (mb.)	193	_	200	187	262	221	258	253	226		300
$ (L_c+2) \text{ to } (L_c+5) \dots \text{ (°A)} $	_	_ \	219	217	226	220	225	227	218	_	
Mean Temp. $ (L_c+5) \text{ to } (L_c+8) \dots \text{ (°A)} $	_	`	220	219	224	222	_	226	_	_	
Stratosphere $(L_c+8 \text{ to } (L_c+11) \dots (^{\circ}A)$	-		223		_	·		227	_		
$T_m$ (Mean Temp. 1 to 9 Kl.) (°A)	262	263	264	267	258	261	256	258	262		247
$P_o$ (Pressure at M.S.L.) (mb.)	1012	1020	1030	1027	1016	1019	1014	1000	1019	1018	989
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No. of Sounding.

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REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

1051. *Cloudless. A ridge of high pressure extends from The Azores to Scandinavia, while depressions are centred south of Greenland and over the Bay of Biscay. Type VIII.

Clouds Stcu. 9/10 from SW. Sounding curtailed by automatic release. Inversion (1.26-1.50 Kl., 876-850 mb., 283-284°A.), change of lapse rate at (1.81 Kl., 819 mb., 283.4°A.). A shallow depression is centred over Iceland, while pressure is high over Europe, Southern England and The Continent. Clouds Stcu. 9/10 from SW. 1054. Type II.

Type II.

1055. bc. Clouds Cu. 1/10, Acu. 1/10, Ci. 4/10 from NW'W. moving at 8 r.p.h. Unusually high sounding. Small lapse rate (1.63-2.21 Kl., 845-787 mb., 281-2-280-3°A.). An anticyclone is centred over Southern England and France. Type XI.

1056. *b. Clouds Frcu. 2/10 from SE. A rise of temperature of 15°A, at the extreme top was ignored. Inversion (1.35-1.59 Kl., 873-848 mb., 284-285°A.). An anticyclone is situated over Northern France and the North Sea with a depression to the south of Iceland. Type XIa.

1057. *c. Clouds St. 4/10 from WSW. at about 0.6 Kl., Stcu. 3/10 Acu. and Ast. 2/10 from SW'W. moving at 9 r.p.h. Descending record used for temperature except below 2 Kl., ascending record used at 0.5 Kl. A rise of 11° A. at the extreme top was ignored. Change of lapse rate at (3.80 Kl., 630 mb., 266°A.), and at (4.13 Kl., 604 mb., 266°A.). A secondary to a depression over Iceland is centred off the east coast of England. Type Va.

1058. c. Clouds Cu. and Stcu. 7/10 from W'S. at about 0.8 Kl., Acu. 2/10 from SW'W. moving at 22 r.p.h. Two meteorographs sent up side by side, the data was obtained from the mean of both. A rise of temperature of 7°A. at the extreme top was ignored. Isothermal (2.86-3.45 Kl., 715-663 mb., 272°A. 91-55°%). A deep depression lies over Iceland with an extension over Scandinavia and a region of high pressure to the west of the Bay of Biscay. Type I.

1059. c. Clouds Cu. and Stcu. 6/10 from W'S. at about 0.9 Kl., Acu. and Ast. 3/10 from W'N. moving at 17 r.p.h. Inversion (2.47-2.70 Kl., 746-724 mb., 270·5-271°A.). Isothermal (3.41-3.69 Kl., 660-637 mb., 266°5°A.). A depression with associated secondaries extends from Greenland across Scandinavia, while an anticyclone is centred west of Spain. Type II.

with an extension over Scandinavia. Type VII.

1061. bc. Clouds Cu. trace from NW. at about 1·1 Kl., Ci. 6/10 from W'S. moving at 16 r.p.h. Change of lapse rate at (4·27 Kl., 596 mb., 270°A., 60%). A depression is centred east of Iceland, while pressure is high over Eastern Europe and the Atlantic. Type Ia.

1062. c. Clouds Acu. 5/10 from NW., Ci. and Cicu. 2/10 from W., all clouds moving very slowly. The sounding was curtailed by an automatic release. Isothermal (5·23-5-41 Kl., 526-514 mb., 260·5°A.). A depression is centred south west of Iceland, while a ridge of high pressure extends from an anticyclone over the Atlantic to the British Isles. Type XI.

1065. ofir. Clouds Nbst. 10/10 from WNW. at about 0·4 Kl. Mean of both records used for the temperature except near the ground where a bias was made towards the ascending one. A depression is centred over South West England. Type XV.

^{*} Meteorograph attached to air sampling apparatus—see introduction.

P.=Pressure in millibars. L.=Geopotential Level above M.S.L. in kiloleos (Kl.) RH.=Relative Humidity as percentage.

1935.

1935.

001		<i></i>	- 000	potent	lai L	cver a	50ve M.S.1	Z. III KIIOIE	05 (121.)	VII.— Keia	tive munn	uity as per	icentage.		1 730
	No. of S	Soundi	ng.				1066.	1068.	1069.	1070.	1071.	1072.	1073.	1074.	1075.
	Da	ate.					Oct. 7.	Oct. 14.	Oct. 15.	Oct. 16.	Oct. 17.	Oct. 17.	Oct. 17.	Oct. 18.	Oct. 18.
	Sta	tion.					Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T	•••			•••			12h. 20m.	17h. 50m.	17h. 50m.	17h. 55m.	7h. 25m.	13h. 25m.	17h. 50m.	1h. 10m.	7h. 30m.
$L_t$ =Geopotential at (	Greatest	Heigh	nt			(Kl.)	20.08	17.71	17.32	13.44	16.49	14.24	14.25	6.59	14.69
$T_t$ =Corresponding Te	emperat	ure			•••	(°A.)	220	215	214	213	212	211	209	247	216
$F_t$ =Corresponding Property Place of Fall	ressure		•••	•••		(mb.)	52 Walcot, Wellington, Salop.	75 Scownslow Green, Uttoxeter,	80 Burbage Moor, Hathersage,	150 Carrington, Boston, Lincs.	88 Loudham, Notts.	131 New York, Lincoln.	130 Bulwell, Notting- ham.	430 Sideway, Fenton, Stoke-on-	Stretton- on- Dunsmore,
11000 01 1 1111 111	•••	•••	•••	•••	•••	]	Carop.	Staffs.	Yorks.	Diffes.			nam.	Trent.	Rugby.
Distance	•••		•••	•••		(Km.)	67	85	91	197	137	166	125	62	145
Bearing. Degrees from	om N.	•••	•••	•••	•••		151	112	83	94	99	90	100	114	150
Type of Balloon	•••	•••	•••		•••	•••	Saul.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.	Veedip.
Weight of Balloon			•••	•••	•••	(Kg.)	2.01	0.37	o·38	0.39	0.40	0.37	0.33	0∙38	0.34
Weight of Instrument	t		•••	•••	•••	(Kg.)	1.08	0.12	0.15	0.15	0.12	0.12	0.15	0.15	0.12
Net Free Lift	•••	•••	•••	•••		(Kg.)	0.67	0.70	0.70	0.70	0.70	o·87	1.05	1.05	1.05
Estimated vertical ve	locity a	t start	•••	•••	•••	(m/s.)	4.2	6∙0	6∙0	6∙0	6∙0	7.0	7.4	7.4	7.4
Geostrophic Wind— Speed						(m/s.)	8	9	20	8	22	24	22	13	12
Degrees from N. Wind (Anemograph)-		•••	•••	•••	•••	•••	270	260	250	300	260	270	280	300	290
Speed	•••	•••	•••	•••	•••	(m/s.)	1	I	2	2	4	10	6	9	2
Degrees from N	•••	•••	•••	•••	•••	•••	280	180	2	<b>24</b> 5	200	215	200	260	200
Humidity at surface			•••	•••	•••	(%)	71	81	79	84	79	79	79	78	76
Type of Tropopa	ause		•••	•••	•••	•••	I.	I.	I.	-	I.	I.	I.	_	II.
$L_c$ = Geopotential at the	he tropo	pause	•••	•••	•••	(Kl.)	10.31	11.38	12.74		11.73	12.00	13.59		12.07
$T_c$ =Temp. at	•••	··•	•••	•••	•••	(°A.)	221	213	208		204	210	209	_	211
$P_c$ =Pressure at	•••	•••	•••	•••	• • • •	(mb.)	243	210	171		194	190	145	_	188
Mean Temp.	$(L_c+2)$	e) to (	$L_c+5$		•••	(°A.)	222	213			212	-	_	<del></del>	-
in Stratosphere	$(L_c+$	5) to (	$L_c+8$	)	•••	(°A.)	220				-				_
	$(L_c+8)$	3) to (2	$L_c+1$	1)	•••	(°A.)		-		-	<del></del>		_	_	_
$\mathbf{T}_{m}$ (Mean Temp. 1 to	9 Kl.)	•••		•••	•••	(°A.)	254	258	261	257	255	258	257		257
Po (Pressure at M.S.L	.)	•••		•••	•••	(mb.)	1013	1025	1021	1026	1025	1023	1021	1023	1025

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REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

No. of Sounding.

1066. *cm. Clouds Cu. and Stcu. 8/10 from SSW., Acu. 1/10 from SW. moving at 10 r.p.h. A rise of temperature of about 30°A. at the extreme top was ignored. Isothermal (1.94-2.46 Kl., 794-742 mb., 270°A.). A ridge of high pressure extends over the British Isles while pressure is low over Iceland, Scandinavia and the Continent. Type Va.

- 1068. c. Clouds Frst. and Stcu. 3/10 from W. at about 0.9 Kl., Acu. 5/10 from W'N moving at 10 r.p.h. Inversion on descent (0.87-1.12 Kl., 920-893 mb., 279:4-282°A.), inversion on ascent (1.05-1.27 Kl., 900-876 mb., 277:4-281°A., 102-54%), inversion (1.90-2.14 Kl., 810-786 mb., 277:5-278°A., 46-36%). An anticyclone lies over the Bay of Biscay with a region of low pressure between Iceland and Norway. Type II.
- 1069. bcv. Clouds Stcu. 5/10 from W'S at about 0.9 Kl., Acu. 1/10 from NW. moving at 10 r.p.h. Inversion on descent (4·12-4·32 Kl., 609-594 mb., 265-267°A.).

  Inversion on ascent (4·41-4·75 Kl., 587-561 mb., 264-265·4°A., 90-49%). Pressure is high over France while a complex low pressure system extends from Iceland to Scandinavia. Type II.
- n. Clouds Stcu. 4/10 from W'S. at about 1.2 Kl. Position of tropopause indefinite. Isothermal on descent (1.19-1.45 Kl., 885-855 mb., 278.5°A.). Inversion on ascent (1.35-1.45 Kl., 867-855 mb., 275-278.5°A., 94-65%), small inversion (9.56-9.77 Kl., 279-270 mb., 223-223.5°A.). Pressure distribution:—Similar to No. 1068; the anticyclone over France has extended westwards. Type II. 1070. bcm
- Clouds Frst. 1/10 from WSW, at about 0.7 Kl., Ast. and Acu. 8/10 from W'N. moving at 16 r.p.h. Inversion (1.56-1.77 Kl., 844-822 mb., 275-276°A., 56-51%). Pressure distribution:—Similar to No. 1069, but a secondary is crossing the north of Scotland, moving east. Type II. IO7I. C.
- Clouds Stcu. 1/10 at about 0.7 Kl., Ast. 6/10, Ci. 1/10 from W. moving at 12 r.p.h. Isothermal (1.33-2.12 Kl., 868-786 mb., 279°A., 60-33%), isothermal (4.35-4.67 Kl., 590-564 mb., 260.6°A., 62-49%). Pressure is high over France and the Channel, low in the region between Iceland and Scandinavia 1072. C.
- Clouds St. 9/10 from WSW. at about 1 Kl., Acu. trace from W. moving at 17 r.p.h. Inversion on descent (1.60-1.77 Kl., 837-820 mb., 275.6-276.9°A.), inversion (2.01-2.40 Kl., 795-756 mb., 275-275.5°A., 90-82%), change of lapse rate (5.91 Kl., 475 mb., 252°A., 68%), change of lapse rate (6.31 Kl., 450 mb., 251.4°A.), 69%), change of lapse rate (11.23 Kl., 214 mb., 214°A.). Pressure distribution:—Similar to No. 1071. Type I or II. 1073. c.
- c. Clouds Cu. and Stcu. 5/10 from W'N at about 0.6 Kl., Cist. 4/10. Inversion (1.74-2.14 Kl., 821-780 mb., 268.7-271.0°A., 89-44%). Pressure is high over the Channel and Bay of Biscay, low over Scandinavia and south west of Iceland. Type I.
- Clouds Stcu. 3/10 from WSW. at about 0.7 Kl., Acu. 6/10 from W. moving at 18 r.p.h. Change of lapse rate (1.21 Kl., 881 mb., 275°A., 81%), change 1075. cm of lapse rate (13.44 Kl., 150 mb., 209°A.). Pressure distribution:—Similar to No. 1073. Type IV.
- Clouds Frst. and Stcu. 7/10 at 0.9 Kl., Ast. 2/10. Inversion on descent (1.05-1.33 Kl., 896-866 mb., 277.9-279°A.), inversion on ascent (1.57-1.67 Kl., 840-829 mb., 276.2-277°A., 90-75%), change of lapse rate (2.79 Kl., 719 mb., 272.5°A., 44%), inversion (6.31-6.64 Kl., 450-430 mb., 251-253.1°A., 95-89%), change of lapse rate (13.01 Kl., 162 mb., 209°A.), change of lapse rate (14.43 Kl., 128 mb., 206°A.). A deep depression to the south of Iceland is moving east. Type IV.

1935.

T.=Temperature in degrees absolute.

P.=Pressure in millibars.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.) RH.=Relative Humidity as percentage.

					<del></del>						
No. of Soundi	ing.			1076.	1077.	1079.	1080.	1081.	1082.	1083.	1084.
Date.				Oct. 18.	Oct. 18.	Oct. 19.	Nov. 1.	Nov. 8.	Nov. 20.	Nov. 25.	Dec. 6
Station.				Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.	Sealand.
Start G.M.T				13h. 5m.	18h. om.	8h. 20m.	18h. om.	12h. 15m.	11h. 47m.	12h. 15m.	18h. 1m.
$L_t$ =Geopotential at Greatest Height			(Kl.)	16.97	15.70	17.33	18-27	17.99	19.91	15.51	17.20
$T_i$ =Corresponding Temperature		<b></b>	(°A.)	218	212	224	220	226	222	219	216
$P_t$ =Corresponding Pressure	•••	<b>.</b>	(mb.)	84 Keyham, Leicester.	ro3 Little London,	78 Wel- lingore	66 Easing- wold,	70 Walgher- ton, near	52 Cold Ashby,	104 Pitchford, Salop.	77 Kinver, Staffs.
Place of Fall				Bolocotor	Tetford, Lincs.	Heath, near Lincoln.	North Yorks.	Nantwich, Cheshire.	Rugby, Northants.	Salop.	Statis.
Distance			(Km.)	148	201	166	156	37	162	69	101
Bearing. Degrees from N				115	89	94	50	124	126	165	150
Type of Balloon		·· ···	•••	Veedip.	Veedip.	Stirling.	Stirling.	Saul.	Veedip.	Poppe.	Stirling.
Weight of Balloon			(Kg.)	0.35	0.40	0.63	0.56	2.07	0.43	1.70	0.56
Weight of Instrument		<b>.</b>	(Kg.)	0.12	0.20	0.30	0.12	1.09	0.19	0.92	0.12
Net Free Lift			(Kg.)	0.70	1.00	1.30	1.35	o·66	0.44	0.63	0.90
Estimated vertical velocity at start			(m/s).	6∙0	7.2	7.5	7.6	4.4	3.9	4.4	6.6
Geostrophic Wind— Speed			(m/s.)	21	33	38	16	•	17	13	o
Degrees from N				250	250	280	220	_	130	260	
Wind (Anemograph)— Speed		<b>.</b>	(m/s.)	5	5	15	2	ı	2	ı	1
Degrees from N				200	200	250	135	140	90	215	135
Humidity at surface			(%)	66	75	60	79	76	88	64	92
Type of Tropopause			•••	I.	I.	II.	I.	I.	I.	I.	I.
$L_c$ =Geopotential at the tropopause		<b></b>	(Kl.)	12.63	13.28	9.49	9.57	7.58	10.33	11.62	10.37
$T_c$ =Temp. at			(°A.)	207	203	228	222	228	216	209	220
$P_c$ =Pressure at			(mb.)	173	155	268	264	352	237	197	228
$(L_c+2) \text{ to } (L_c+2)$	5) .		(°A.)	_	_	220	218	224	221		219
Mean Temp. $ \begin{cases}                                  $	8) .		(°A.)	_	_	220	218	223	220	_	
Stratosphere $(L_c+8 \text{ to } (L_c+1))$	1) .		(°A.)		_	_	_	_		_	
T _m (Mean Temp. 1 to 9 Kl.)			(°A.)	259	261	251	248	247	253	254	245
Po (Pressure at M.S.L.)			(mb.)	1021	1011	996	1008	997	999	1021	1007

549.

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1935.

Clouds Stcu. 4/10 from SW'W. at about 0.9 Kl., Pressure distribution:—similar to No. 1075, the depression being now centred near the Orkneys. Type I.

No. of

1079.

- Sounding.

  1077. bc. Clouds Stcu. 2/10 from S'W. at about 0.7 Kl., Acu. 5/10 from W'N moving at 18 r.p.h. Pressure distribution:—Similar to No. 1075. Type IV or V.
- 1077. BC. Clouds Steel. 2/10 Holli S W. at about 67 Ki., Act. 5/10 Holli W I. Moving at 10 119.
- 1080. b. Clouds Frst. trace. Changes of lapse rate at (4.71 Kl., 543 mb., 250°A., 28%); (5.11 Kl., 514 mb., 249.5°A., 27%); (8.47 Kl., 313 mb., 224°A.), and (12.34 Kl., 170 mb., 219°A.). A large trough of low pressure extends from Spitzbergen to Iceland and thence to the SSW., with high pressure over Russia. Type Va.
- 1081. *c. Clouds Stcu. 8/10 from W. at about 1·1 Kl. The balloon floated at the highest point and a rise of about 30°A. at the extreme top was ignored. A complex low pressure area covers the British Isles and extends north-west from them. Type XIII.
- ozr_o. Clouds St. 10/10. A rise of temperature at the extreme top was ignored. Inversion on ascent (0·33-0·73 Kl., 959-912 mb., 280-281°A.). A depression is centred off South West Ireland with a secondary over Northern France, high pressure over Russia. Type VIIa.
- 1083. bcm. Clouds Frcu. trace from SW'S. at about 0.9 Kl., Ci. 7/10 from N'W. moving at 12 r.p.h. Inversion (1.53-2-22 Kl., 842-769 mb., 270.4-271°A.).

  A deep depression is centred over Iceland, while a ridge of high pressure extends over Southern England and France. Type II.
- 1084. bm. Clouds Acu. 1/10. A complex low pressure system extends over Europe and Scandinavia. Pressure is high west of Spain. Type XII.
  - * Meteorograph attached to air sampling apparatus—see introduction.

P.=Pressure in millibars. RH.=Relative Humidity as percentage. T.=Temperature in degrees absolute.L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

					<i>L</i> .=	=Geo	poten	tial 1	Leve	l abov	e M	.S.L.	in ki	loleo	s (Kl.	.)	RI	H = h	(elati	ive i	Iumic	nty :	as pe	ercent	age.				
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Millibars.	Kl.	°A.	%	Kl.	°A.	%	Kl.	°A.	%	Kl.	°A.	Kl.	°A.	%	Kl.	°A.	%	Kl.	°A.	%	Kl.	°A.	%	Kl.	°A.	%	Kl.	°A.	%
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500	4.97		85 89	5.41	1	85		•••	•••	5·33 4·01		5·27 3·99	43 51	66	5·35 4·01	ļ	93	4.05		43	4 04		62	4.05		105	4.03	- 1	97
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800 900	1·59 ·69		104	I ·94		54   89				1·83 ·92	68 73	1·84 ·93		83	1·81 ·87		91 93	. 1.81 .86		95 	∙86	80	100	.87	80	90	∙85	80	84
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T.=Temperature in degrees absolute.

P = Pressure in millibars.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.) *RH*.=Relative Humidity as percentage. 1025. 1026. 1030. No. 1022. 1023. 1024. 1019. March 4. Sealand. March 15. Feb. 17. Sealand. March 26. Feb. 16. Feb. 16. Feb. 22. Date. Feb. 16. Sealand. Kew. Sealand. Sealand. Sealand. Sealand. Station. 17h. 20m. 18h. om. 7h. om. 12h. 15m. 10h. 20m. 12h. 33m. 7h. om. 16h. 5m. Start (G.M.T.) GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING 1935. WITH ISOBARIC SURFACES--continued 550. RHRHRHL. T. RHL. T. RHT. RHL. T. T. Pressure. RHL. T. RHT. ٥A ٥A °A. Kl. °A. ٥A % Kl. Kl. ٥A Kl. % % Kl. ٥A % Kl. °A. % Kl. % Kl. % % Millibars. 200 200 200 200 200 200 200 200 + 15.67 13 100 15.52 11.19 r r · 28 12 11.51 11.42 ... ... 200 8.44 8.75 8.87 9.02 23 8 81 25 8.93 22 24 35 26 79 86 8·6t 20 49 48 24 300 6.93 6.57 61 31 6 95 39 37 6.85 36 39 6.99 46 6.60 37 50 33 46 53 400 43 65 48 5.03 53 23 5.53 52 29 70 41 5.39 50 5.25 40 53 5.37 72 55 5.12 44 5.38 500 4·06 2·90 58 62 73 46 78 88 4·08 58 24 4.19 31 4·03 2·84 3.90 3.85 52 61 84 4.06 37 3.73 2.58 55 62 43 63 52 59 66 60 57 600 3.01 96 64 2.95 59 65 67 29 69 39 66 87 2.71 2 · QI 45 90 72 2.74 700 42 79 71 76 68 1·89 67 1.57 66 96 1.95 65 87 I ·87 73 1.97 73 93 1.71 72 86 1.70 800 70 ·79 73 73 .67 73 1.04 71 96 ·94 1.02 99 ∙84 .79 75 900 .79 .21 · T T ·2 I 1000 **GIVEN GEOPOTENTIALS** -continued. 1935. TEMPERATURES AND HUMIDITIES ΑT PRESSURES. 551. RHRHRHP. T. P. T. RHP. T. RHP. RHP. T. RHP. T. T. RHP. Geopotentials °A. °A. °A. % ٥A ٥A °A. % mb. mb mb °A. °A. % mb. % mb mb. % mb. % mb. Kiloleos. 200 200 200 200 200 200 200 + + + 23 22 ... ... ... ... ... . . . ... 2 T ... 20 ... ... ... • • • ... 19 ... • • • 18 . . . ... ... ... ... ... ... 17 13 92 12 ... 95 16 ... • • • ΙÏ то8 12 ... ... ... ... ... ... 15 132 120 17 14 127 ... ... ... ... 129 8 13 16 ... ... ... 17 ... 186 178 6 18 15 181 ... 1 ... ... ... ... • • • 218 210 206 10 215 21 11 7 16 ... 246 20 16 16 248 236 250 11 49 30 10 ... 21 ... 282 18 26 288 **2** I 294 301 25 291 49 275 9 8 296 25 ... 25 30 31 38 25 351 406 329 27 63 337 343 33 35 345 35 43 340 40 63 24 86 392 71 382 36 50 396 375 30 393 53 397 39 37 45 7 399 468 48 458 38 60 456 36 53 23 23 34 29 6 51 58 64 75 66 442 40 43 44 53 459 45I 44 52 53 58 538 57 63 66 71 84 528 37 38 502 46 53 527 527 52 510 45 5 605 59 65 578 662 615 32 58 81 59 66 587 605 52 607 59 62 64 66 61 696 64 690 28 701 69 39 38 674 59 63 44 62 50 686 72 676 99 691 68 708 62 72 74 737 31 747 71 49 2.5 67 84 743 73 I 70 722 720 93 730 756 807 65 68 67 788 66 84 786 72 72 63 39 770 822 66 91 02 76 77 80 70 77 769 102 794 82 848 838 849 67 821 66 97 74 57 82 74 830 79 80 72 73 82 69 88 840 70 94 893 897 956 92 73 75 80 99 883 876 73 77 73 74 862 70 905 71 94 905 85 876 75 73 78 68 90 84 919 964 81 87 932 79 84 933 0.4 940 62 Ground 992 Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS-continued. 1935. Degrees absolute per kiloleo 552. Kiloleos 20 to 21 ... ... 19 to 20 ... ... ... ... ... ... ... ••• ... 18 to 19 ... ... . . . ... ... 17 to 18 ... ... ... ... ... 16 to 17 ... -2 15 to 16 ... ... I 14 to 15 ... 13 to 14 2 o ... ... ... 12 to 13 --8 2 -2 ... ... ... 3 11 to 12 6 3 -5 ... ... ... 10 to 11 o I 1 9 to 10 8 to 9 -4 -3 78 6 5 7 5 6 7 8 6 to 8 8 7 4 8 10 5 to 6 8 6 to 5 3 6 6 j to 8 to 2 to 2.5 5 3 1·5 to 6 2 6 5 6 7 1.5 8 ī to 8 0.5 to 1 Gd. to 0.5 7

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T.=Temperature in degrees absolute.
L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

P.=Pressure in millibars.
RH.=Relative Humidity as percentage.

	L	.=0	eopo	otenti	al Le	evel a	bove	M.S.	L. in	kilol	leos (1	<b>K</b> 1.)		RH	$\cdot = \mathbb{R}$	lelativ	ze H	umic	lity as	s per	rcent	age.		
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(G.M.T.)	<u> </u>												<u> </u>			<u> </u>			<u> </u>			<u> </u>		
GEO	POTE	NTI	IALS	, TE	MPE	ERAT	TURE	S A						ITI	ES (	CORE	RESI	PON:	DING	W.	ITH	ISOE	3AR <b>193</b>	
550.		· —	l ner	-	(m)	Inr					ES—			_	22.		- m	DIZ	1 7		DI	1 :		<u> </u>
Pressure.	L.	T.	RH.	L.	T.	RH.	L.	<i>T</i> .	L.	T.	L.	<i>T</i> .	L.	<i>T</i> .	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	%	K1.	°A 200	%	Kl.	°A 200	%
100	<b>.</b>	+		15.57	+ 22		15.93	+· 20	15.89	+	16.15	+ 24		+		15.83	+ 24	<b></b>	15.93	+ 26		15.99	+ 21	
200	11.55	11		11.13	27		11.55	17	11.63	11	11.69	24	11.38	26		11.35	26		11.39	30		11.53	25	
300 400	9·03		25	8· <b>5</b> 1 6·65		90	 6.01	25 	7·17	26 43	9·11	28 44	8·79 6·91	21 36	79 76	8·75 6·87	36	66 68	8·71 6·81	35	93	8·92 6·99	27 42	38 36
500	5.57	49	26	5.13		97			5.57		5.55	56	5.35	48	76	5.32		76	5.26	1 -	95	5.39	_	40
600 700	4·23 3·07		38	3·83 2·68	62	95 100			4·21 3·03	65 70	4·19		4·02 2·86	59 67	51 82	4·00 2·83	59 67	75 81	3·93 2·77	66	120	4·04 2·86	•	47 70
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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	%
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12	186	15		175	26		186	18	188	12	191	24	182	25	•••	181	26		182	30		186	25	
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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. 1048. 1045. 1046. 1050. 1041. 1042. 1044. 1047. 1049. Tune 13 June 15. Sealand. Date. Tune 11. Tune 12 Tune 13 Tune 14 Tune 17 June 19. Tune 21. Sealand. Sealand. Sealand. Sealand. Station. Kew. Sealand Sealand. Sealand. Starť. 18h. om. 7h. 40m 7h. 40m. 18h. 5m. 7h. 30m. 7h. 40m. 18h. 3m. 18h. 3m. 18h. 2m. (G.M.T. GEOPOTENTIALS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC 550. SURFACES--continued 1935. RHL. RHL. T. RHL. RHL. T. RHL. T. RHL. T. RHL. T. RHT. L. T. T. Pressure. L. T. ٥A ٥A ٥A ٥A Millibars. Kl. ٥A Kl. ٥A Kl. ٥A Kl. Kl. % Kl. ٥A % Kl. % Kl. ٥A % Kl. % % % % 16.02 15.85 16.06 τ6·0. тб∙тт 16.1 5.95 26 11.61 11.36 II:47 11.43 8.81 11·49 8·83 11.77 . . . II .03 8·73 6·85 8.83 52 9.02 9.17 9.32 6.89 6.95 6.91 6.92 6.93 7.07 7.19 91 7:31 5.36 5.46 5.31 5.39 5.35 5.57 5.33 5:37 4.26 4.03 4.00 4.00 63 4.03 4.02 4.10 64 4.19 5.5 2.86 800 2.84 2.85 2.89 2.92 3.00 3.05 68 82 83 1·86 58 1.83 1.81 1.83 1.83 88 1.83 1.89 80 1.95 1.97 .88 .93 .01 .80 .95 1.01 87, .0: ·06 .01 .04 .0 PRESSURES. TEMPERATURES AND **HUMIDITIES AT** GIVEN **GEOPOTENTIALS** 1935. 551. -continued. RHRHRHRHRHP. RHRHP. P. Т. RHΡ. T.P. Т. ₽. T. T. P. T.P. T. P. T. T.Geopotentials ٥A ٥A ٥A % ٥A % ٥A ٥A % ٥A ٥A % ٥A % mb. % % mb. % Kiloleos. mb. mb. mb. mb. mb mb. mb + + + + + + + + . . . ... . . . 18 26 ... ... ... . . . ... . . . . . . ... . . . 83 85 87 86 ... ... ... ... ... ... ... ... ... 28 ... ... ... ... ... ... 158 158 ... ... ... 183 т6т **T68** ••• ••• ... • • • т86 18т т88 ²⁴⁷
₂₈₈ 28 88 28 8 68 38 34I 4 I 4 I 60 60 60 76 0 64 60 78 **8** 56 2.5 Ś1 78I 76 81 **o** 84 888 80 78 80 76 76 78 83 8₄ 88 0.5 9I Ground **q**8 Note.—Tables of correlation coefficients, mean monthly pressures and temperatures for geodynamic levels, and corrections for kilometre heights will be found in the Introduction. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN GEOPOTENTIALS-continued. 552. Degrees absolute per kiloleo. 1935. Kiloleos 20 to 21 o 10 to 20 -2 ... ... ... 18 to 19 — I ... - I 17 to 18 ... ... ... 16 to 17 o ٠.. ... ... 15 to 16 o -2 o -314 to 15 -5 2 13 to 14 12 to 13 o 11 to 12 I <del>-</del> I -2 o o -3 10 to 11 - I o -2 9 to 10 8 to **9** -2 -3 -2 to 6 to 5 to 5 to 6 3 to 8 to 6 2 to 2.4 ⋅5 to I to 1.5 Ŕ 6 4 2 o·s to Gd. to

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SOUNDINGS WITH REGISTERING BALLOONS, 1935—continued. T.=Temperature in degrees absolute. P.=Pressure in millibars. L.=Geopotential Level above M.S.L. in kiloleos (Kl.) RH.=Relative Humidity as percentage.

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	Pressure.																				<u> </u>	<b></b>	<b></b>			
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SOUNDINGS WITH REGISTERING BALLOONS, 1935—continued.

P.=Pressure in millibars.

T.=Temperature in degrees absolute.

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Millibars.	Kl.	°A	Kl.	°A	%	Kl.	°A	%	Kl.	°A	%	Kl.	°A	%	Kl.	°A	%	Kl.	°A	%	Kl.	°A	%	Kl.	°A	%
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600	4.08	61	4.24	64	33	4.24	66	94	4.22	64	40	4.19	61	52	4.21	61	60	4.19	63	71	4.15	62	50	4.18	62	90
700 800	2·91 1·88	68 70	3·05		36 43	3.05 1.99		82 86	3.03	70 76	37 44	3·02 1·98	69 75	52 52	3·03		44 33	3·01		66 91	2·98 1·95		27 54	3·01 1·97		84 36
900 1000	·95		1.05	79	102	1.03	84	79	1.06 •21	78	89	1.05		59	1.03 •19	79	67	1.03	80	91 71	1.03	74	89	I ·05 •20	76	95
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Geopotentials.	P.	T.	P.	T.	RH.		T.	RH.	P.	<i>T</i> .	RH.	<b>!</b>	T.		<b> </b>			<b></b>		ļ		T.	.}	ļ		J
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5 4	530 606	54 61	5 <b>42</b> 619	59 66	4I 33	543 619	63 67	40 80	541 617	60 65	35	538 616	58 62	35 57	540 617	59 63	56 58	538 615	57 64	72 72	536 612	58 63	50 47	537 614	58 63	85 91
3	692	67	705	72	37	704	74	82	703	70	41 37	702	70	52	703	71	43	701	71	66	698	68	27	701	68	84
2.5	738 788	70 70	750 800	75 78	33	750 799	77 80	68 85	750	73	36	748 708	72	59 53	749 798	76 79	36 32	746 796	75	78 91	744	70 71	35 52	746 796	70 72	63
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1 0·5	895 9 <b>52</b>	76 80	906 964	79 82	100 81	9 <b>0</b> 4 961	8 ₄	78 82	906 964	78 81	88	906 964	78 79	60 80	904 962	80 	70 	903 960	80 8 <b>2</b>	90 79	903 962	74 78	88 81	904 963	76 	96 
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SOUNDINGS WITH REGISTERING BALLOONS, 1935—continued.

T.=Temperature in degrees absolute.

P.=Pressure in millibars.

L.=Geopotential Level above M.S.L. in kiloleos (Kl.)

RH.=Relative Humidity as percentage.

Date	1	L = G	eopo	tenti	ial Le	vel a	bove	M.S.	L. iı	n kilo	leos (	Kl.)	RI	$I = \mathbb{R}$	Relati	ve H	umid	ity as	perc	centag	e.	
Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Sealand   Seal	No.	1	076.		] :	1077.		,	079.		1	1080.		108	Вт.	108	32.	108	33.	] ]	084.	1
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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   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   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   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   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   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   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   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   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   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   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   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   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   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   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   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   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   T   RH   T   RH   T   RH   T   T   RH   T	GEO	POT	ENT	ſIAL	S, TI												S CC	RRE	SPO	NDIN	G	
Millibars   101	550.						NITI	H ISC	)BA	RIC	SUR	FAC	ES—	-conti	nued		,				1935	5
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100   15   5   7   1   1   1   1   1   1   1   1   1	Millibars.	Kl.		%	Kl.	1	%	Kl.		%	Kl.		%	K1.		Kl.		Kl.		Kl.		%
100																			i			
Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   S			10	ì					18			18	1 1	-	22		19				17	
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